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Type I Data Package

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Project: Amtrak Wilmington
Soil Samples
Collected on 09/22/17

SDG# ATH03

GROUP	SAMPLE NUMBERS
1855197	9229528-9229547

```
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: 11/16/2017**

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 ATH03
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9229528	T2-40E	09/22/2017 12:15	09/26/2017 17:15
9229529	T2-41W	09/22/2017 12:16	09/26/2017 17:15
9229530	T2-41(1.5-1.8)	09/22/2017 12:17	09/26/2017 17:15
9229531	T2-41E	09/22/2017 12:18	09/26/2017 17:15
9229532	T2-42W	09/22/2017 12:19	09/26/2017 17:15
9229533	T2-42WMS	09/22/2017 12:19	09/26/2017 17:15
9229534	T2-42WMSD	09/22/2017 12:19	09/26/2017 17:15
9229535	DUP2-8	09/22/2017 12:19	09/26/2017 17:15
9229536	T2-43W	09/22/2017 12:22	09/26/2017 17:15
9229537	T2-42(1.5-1.8)	09/22/2017 12:20	09/26/2017 17:15
9229538	T2-42E	09/22/2017 12:21	09/26/2017 17:15
9229539	T2-43(1.5-1.8)	09/22/2017 12:23	09/26/2017 17:15
9229540	T2-43E	09/22/2017 12:24	09/26/2017 17:15
9229541	T2-44W	09/22/2017 12:25	09/26/2017 17:15
9229542	T2-44(1.5-1.8)	09/22/2017 12:26	09/26/2017 17:15
9229543	T2-44E	09/22/2017 12:27	09/26/2017 17:15
9229544	T2-45W	09/22/2017 12:28	09/26/2017 17:15
9229545	T2-45(1.5-1.8)	09/22/2017 12:29	09/26/2017 17:15
9229546	T2-45E	09/22/2017 12:30	09/26/2017 17:15
9229547	T2-46W	09/22/2017 12:31	09/26/2017 17:15

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14248 PCB 10g Sonication Ext

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

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

10225 PCBs in Solids by 8082/3550

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

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

00111 Moisture
00118 Moisture
00121 Moisture Duplicate

A well-mixed sample is heated by reflected infrared in an aluminum pan and dried to a constant weight. The decrease in weight in weight after drying is calculated as the moisture content.

Reference: SM 2540 G-1997 %Moisture Calculation for Dry Weight Determination

Analysis Reports / Field Chain of Custody

ANALYSIS REPORT

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: November 15, 2017 18:30

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1855197
SDG: ATH03
PO Number: 213402048
State of Sample Origin: DE

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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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
T2-40E Grab Soil	09/22/2017 12:15	9229528
T2-41W Grab Soil	09/22/2017 12:16	9229529
T2-41(1.5-1.8) Grab Soil	09/22/2017 12:17	9229530
T2-41E Grab Soil	09/22/2017 12:18	9229531
T2-42W Grab Soil	09/22/2017 12:19	9229532
T2-42WMS Grab Soil	09/22/2017 12:19	9229533
T2-42WMSD Grab Soil	09/22/2017 12:19	9229534
DUP2-8 Grab Soil	09/22/2017 12:19	9229535
T2-43W Grab Soil	09/22/2017 12:22	9229536
T2-42(1.5-1.8) Grab Soil	09/22/2017 12:20	9229537
T2-42E Grab Soil	09/22/2017 12:21	9229538
T2-43(1.5-1.8) Grab Soil	09/22/2017 12:23	9229539
T2-43E Grab Soil	09/22/2017 12:24	9229540
T2-44W Grab Soil	09/22/2017 12:25	9229541
T2-44(1.5-1.8) Grab Soil	09/22/2017 12:26	9229542
T2-44E Grab Soil	09/22/2017 12:27	9229543
T2-45W Grab Soil	09/22/2017 12:28	9229544
T2-45(1.5-1.8) Grab Soil	09/22/2017 12:29	9229545
T2-45E Grab Soil	09/22/2017 12:30	9229546
T2-46W Grab Soil	09/22/2017 12:31	9229547

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

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Analysis Report

Sample Description: **T2-40E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:15
SDG#: ATH03-01

Stantec
ELLE Sample #: **SW 9229528**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.7 D1	2.7	50
10225	PCB-1221	11104-28-2	< 2.7 D1	2.7	50
10225	PCB-1232	11141-16-5	< 2.7 D1	2.7	50
10225	PCB-1242	53469-21-9	< 2.7 D1	2.7	50
10225	PCB-1248	12672-29-6	< 2.7 D1	2.7	50
10225	PCB-1254	11097-69-1	< 2.7 D1	2.7	50
10225	PCB-1260	11096-82-5	8.8 D1	2.7	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	9.2	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	172830025A	11/14/2017 06:37	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-41W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:16
SDG#: ATH03-02

Stantec
ELLE Sample #: **SW 9229529**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.57 D1	0.57	10
10225	PCB-1221	11104-28-2	< 0.57 D1	0.57	10
10225	PCB-1232	11141-16-5	< 0.57 D1	0.57	10
10225	PCB-1242	53469-21-9	< 0.57 D1	0.57	10
10225	PCB-1248	12672-29-6	< 0.57 D1	0.57	10
10225	PCB-1254	11097-69-1	< 0.57 D1	0.57	10
10225	PCB-1260	11096-82-5	2.8 D1	0.57	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	14.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172830025A	11/14/2017 06:48	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-41(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229530**
ELLE Group #: **1855197**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:17
SDG#: ATH03-03

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.62 D1	0.62	10
10225	PCB-1221	11104-28-2	< 0.62 D1	0.62	10
10225	PCB-1232	11141-16-5	< 0.62 D1	0.62	10
10225	PCB-1242	53469-21-9	< 0.62 D1	0.62	10
10225	PCB-1248	12672-29-6	< 0.62 D1	0.62	10
10225	PCB-1254	11097-69-1	< 0.62 D1	0.62	10
10225	PCB-1260	11096-82-5	3.0 D1	0.62	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	21.6	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	172830025A	11/14/2017 06:59	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-41E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:18
SDG#: ATH03-04

Stantec
ELLE Sample #: **SW 9229531**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.8	D1	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	D1	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	D1	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	D1	2.8	50
10225	PCB-1248	12672-29-6	3.3	D2	2.8	50
10225	PCB-1254	11097-69-1	6.4	D1	2.8	50
10225	PCB-1260	11096-82-5	8.1	D1	2.8	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.1		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172830025A	11/14/2017 07:11	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-42W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:19
SDG#: ATH03-05BKG

Stantec
ELLE Sample #: **SW 9229532**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2	D1	1.2	20
10225	PCB-1221	11104-28-2	< 1.2	D1	1.2	20
10225	PCB-1232	11141-16-5	< 1.2	D1	1.2	20
10225	PCB-1242	53469-21-9	< 1.2	D1	1.2	20
10225	PCB-1248	12672-29-6	< 1.2	D1	1.2	20
10225	PCB-1254	11097-69-1	< 1.2	D1	1.2	20
10225	PCB-1260	11096-82-5	8.5	D1	1.2	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	13.5		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 10:30	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-42WMS Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:19
SDG#: ATH03-05MS

Stantec
ELLE Sample #: SW 9229533
ELLE Group #: 1855197
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	D1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1	D1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1	D1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1	D1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1	D1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1	D1	1.1	20
10225	PCB-1260	11096-82-5	2.5	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	13.5		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	172850029A	10/25/2017 10:41	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-42WMSD Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229534**
ELLE Group #: **1855197**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:19
SDG#: ATH03-05MSD

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2	D1	1.2	20
10225	PCB-1221	11104-28-2	< 1.2	D1	1.2	20
10225	PCB-1232	11141-16-5	< 1.2	D1	1.2	20
10225	PCB-1242	53469-21-9	< 1.2	D1	1.2	20
10225	PCB-1248	12672-29-6	< 1.2	D1	1.2	20
10225	PCB-1254	11097-69-1	< 1.2	D1	1.2	20
10225	PCB-1260	11096-82-5	3.9	D1	1.2	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	13.5		0.50	1
00121	Moisture Duplicate	n.a.	12.7		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	172850029A	10/25/2017 10:53	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **DUP2-8 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:19
SDG#: ATH03-06FD

Stantec
ELLE Sample #: **SW 9229535**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.59 D1	0.59	10
10225	PCB-1221	11104-28-2	< 0.59 D1	0.59	10
10225	PCB-1232	11141-16-5	< 0.59 D1	0.59	10
10225	PCB-1242	53469-21-9	< 0.59 D1	0.59	10
10225	PCB-1248	12672-29-6	< 0.59 D1	0.59	10
10225	PCB-1254	11097-69-1	< 0.59 D1	0.59	10
10225	PCB-1260	11096-82-5	3.3 D1	0.59	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	13.6	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	172850029A	10/25/2017 11:04	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-43W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:22
SDG#: ATH03-07

Stantec
ELLE Sample #: **SW 9229536**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1 D1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1 D1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1 D1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1 D1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1 D1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1 D1	1.1	20
10225	PCB-1260	11096-82-5	5.1 D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	12.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172830025A	11/14/2017 07:22	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-42(1.5-1.8) Grab Soil**
Amtrak Wilmington

Stantec
ELLE Sample #: **SW 9229537**
ELLE Group #: **1855197**
Matrix: Soil

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:20
SDG#: ATH03-08

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.065 D1	0.065	1
10225	PCB-1221	11104-28-2	< 0.065 D1	0.065	1
10225	PCB-1232	11141-16-5	< 0.065 D1	0.065	1
10225	PCB-1242	53469-21-9	< 0.065 D1	0.065	1
10225	PCB-1248	12672-29-6	< 0.065 D1	0.065	1
10225	PCB-1254	11097-69-1	< 0.065 D1	0.065	1
10225	PCB-1260	11096-82-5	0.21 D1	0.065	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	24.2	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	172830025A	11/14/2017 07:33	Kirby B Turner	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-42E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:21
SDG#: ATH03-09

Stantec
ELLE Sample #: **SW 9229538**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.8	D1	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	D1	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	D1	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	D1	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	D1	2.8	50
10225	PCB-1254	11097-69-1	< 2.8	D1	2.8	50
10225	PCB-1260	11096-82-5	11	D1	2.8	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	11.3		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	172830025A	11/14/2017 08:07	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172830025A	11/10/2017 16:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-43(1.5-1.8) Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:23
SDG#: ATH03-10

Stantec
ELLE Sample #: **SW 9229539**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 3.1	D1	3.1	50
10225	PCB-1221	11104-28-2	< 3.1	D1	3.1	50
10225	PCB-1232	11141-16-5	< 3.1	D1	3.1	50
10225	PCB-1242	53469-21-9	< 3.1	D1	3.1	50
10225	PCB-1248	12672-29-6	< 3.1	D1	3.1	50
10225	PCB-1254	11097-69-1	< 3.1	D1	3.1	50
10225	PCB-1260	11096-82-5	11	D1	3.1	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	19.7		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 11:16	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010A	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-43E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:24
SDG#: ATH03-11

Stantec
ELLE Sample #: **SW 9229540**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.9	D1	2.9	50
10225	PCB-1221	11104-28-2	< 2.9	D1	2.9	50
10225	PCB-1232	11141-16-5	< 2.9	D1	2.9	50
10225	PCB-1242	53469-21-9	< 2.9	D1	2.9	50
10225	PCB-1248	12672-29-6	< 2.9	D1	2.9	50
10225	PCB-1254	11097-69-1	< 2.9	D1	2.9	50
10225	PCB-1260	11096-82-5	12	D1	2.9	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	14.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 11:27	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-44W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:25
SDG#: ATH03-12

Stantec
ELLE Sample #: **SW 9229541**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.56 D1	0.56	10
10225	PCB-1221	11104-28-2	< 0.56 D1	0.56	10
10225	PCB-1232	11141-16-5	< 0.56 D1	0.56	10
10225	PCB-1242	53469-21-9	< 0.56 D1	0.56	10
10225	PCB-1248	12672-29-6	< 0.56 D1	0.56	10
10225	PCB-1254	11097-69-1	< 0.56 D1	0.56	10
10225	PCB-1260	11096-82-5	4.2 D1	0.56	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	13.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 11:38	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-44(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229542**
ELLE Group #: **1855197**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:26
SDG#: ATH03-13

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2 D1	1.2	20
10225	PCB-1221	11104-28-2	< 1.2 D1	1.2	20
10225	PCB-1232	11141-16-5	< 1.2 D1	1.2	20
10225	PCB-1242	53469-21-9	< 1.2 D1	1.2	20
10225	PCB-1248	12672-29-6	< 1.2 D1	1.2	20
10225	PCB-1254	11097-69-1	< 1.2 D1	1.2	20
10225	PCB-1260	11096-82-5	9.4 D1	1.2	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	16.6	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	172850029A	10/25/2017 11:50	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-44E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:27
SDG#: ATH03-14

Stantec
ELLE Sample #: **SW 9229543**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1 D1	1.1	20
10225	PCB-1221	11104-28-2	< 1.1 D1	1.1	20
10225	PCB-1232	11141-16-5	< 1.1 D1	1.1	20
10225	PCB-1242	53469-21-9	< 1.1 D1	1.1	20
10225	PCB-1248	12672-29-6	< 1.1 D1	1.1	20
10225	PCB-1254	11097-69-1	< 1.1 D1	1.1	20
10225	PCB-1260	11096-82-5	8.2 D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	11.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 12:01	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-45W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:28
SDG#: ATH03-15

Stantec
ELLE Sample #: **SW 9229544**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.54 D1	0.54	10
10225	PCB-1221	11104-28-2	< 0.54 D1	0.54	10
10225	PCB-1232	11141-16-5	< 0.54 D1	0.54	10
10225	PCB-1242	53469-21-9	< 0.54 D1	0.54	10
10225	PCB-1248	12672-29-6	< 0.54 D1	0.54	10
10225	PCB-1254	11097-69-1	< 0.54 D1	0.54	10
10225	PCB-1260	11096-82-5	2.5 D1	0.54	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	7.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 12:13	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-45(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229545**
ELLE Group #: **1855197**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:29
SDG#: ATH03-16

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.28 D1	0.28	5
10225	PCB-1221	11104-28-2	< 0.28 D1	0.28	5
10225	PCB-1232	11141-16-5	< 0.28 D1	0.28	5
10225	PCB-1242	53469-21-9	< 0.28 D1	0.28	5
10225	PCB-1248	12672-29-6	< 0.28 D1	0.28	5
10225	PCB-1254	11097-69-1	< 0.28 D1	0.28	5
10225	PCB-1260	11096-82-5	2.7 D1	0.28	5
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	12.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172850029A	10/25/2017 12:24	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172850029A	10/15/2017 10:45	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-45E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:30
SDG#: ATH03-17

Stantec
ELLE Sample #: **SW 9229546**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.7 D1	2.7	50
10225	PCB-1221	11104-28-2	< 2.7 D1	2.7	50
10225	PCB-1232	11141-16-5	< 2.7 D1	2.7	50
10225	PCB-1242	53469-21-9	< 2.7 D1	2.7	50
10225	PCB-1248	12672-29-6	< 2.7 D1	2.7	50
10225	PCB-1254	11097-69-1	< 2.7 D1	2.7	50
10225	PCB-1260	11096-82-5	20 D1	2.7	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	9.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 09:14	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-46W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:31
SDG#: ATH03-18

Stantec
ELLE Sample #: **SW 9229547**
ELLE Group #: **1855197**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.56 D1	0.56	10
10225	PCB-1221	11104-28-2	< 0.56 D1	0.56	10
10225	PCB-1232	11141-16-5	< 0.56 D1	0.56	10
10225	PCB-1242	53469-21-9	< 0.56 D1	0.56	10
10225	PCB-1248	12672-29-6	< 0.56 D1	0.56	10
10225	PCB-1254	11097-69-1	< 0.56 D1	0.56	10
10225	PCB-1260	11096-82-5	3.4 D1	0.56	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	12.0	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 09:25	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820010B	10/04/2017 01:25	Scott W Freisher	1

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Quality Control Summary

Client Name: Stantec
Reported: 11/15/2017 18:30

Group Number: 1855197

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

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

Method Blank

Analysis Name	Result mg/kg	LOQ mg/kg
Batch number: 172830025A	Sample number(s): 9229528-9229531,9229536-9229538	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051
Batch number: 172850029A	Sample number(s): 9229532-9229535,9229539-9229545	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051
Batch number: 172860014A	Sample number(s): 9229546-9229547	
PCB-1016	< 0.051	0.051
PCB-1221	< 0.051	0.051
PCB-1232	< 0.051	0.051
PCB-1242	< 0.051	0.051
PCB-1248	< 0.051	0.051
PCB-1254	< 0.051	0.051
PCB-1260	< 0.051	0.051

LCS/LCSD

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 172830025A	Sample number(s): 9229528-9229531,9229536-9229538								
PCB-1016	0.501	0.482			96		80-121		
PCB-1260	0.501	0.515			103		84-125		
Batch number: 172850029A	Sample number(s): 9229532-9229535,9229539-9229545								
PCB-1016	0.501	0.508			101		80-121		

*- 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: 11/15/2017 18:30

Group Number: 1855197

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
PCB-1260	0.501	0.573			114		84-125		
Batch number: 172860014A	Sample number(s): 9229546-9229547								
PCB-1016	0.501	0.481			96		80-121		
PCB-1260	0.501	0.494			99		84-125		
	%	%	%	%					
Batch number: 17276820010A	Sample number(s): 9229528-9229539								
Moisture	89.5	89.41			100		99-101		
Moisture	89.5	89.41			100		99-101		
Moisture Duplicate	89.5	89.41			100		99-101		
Batch number: 17276820010B	Sample number(s): 9229540-9229547								
Moisture	89.5	89.41			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: 172830025A	Sample number(s): 9229528-9229531,9229536-9229538 UNSPK: P229515									
PCB-1016	< 5.0	0.500	< 5.1	0.484	< 4.9	0*	0*	80-121	0	50
PCB-1260	18.13	0.500	19	0.484	18.97	174 (2)	175 (2)	84-125	0	50
Batch number: 172850029A	Sample number(s): 9229532-9229535,9229539-9229545 UNSPK: 9229532									
PCB-1016	< 1.0	0.483	0.427	0.493	0.456	88	92	80-121	6	50
PCB-1260	7.34	0.483	2.18	0.493	3.40	-1066 (2)	-798 (2)	84-125	44	50
Batch number: 172860014A	Sample number(s): 9229546-9229547 UNSPK: P229550									
PCB-1016	< 0.50	0.488	0.612	0.484	0.527	125*	109	80-121	15	50
PCB-1260	4.10	0.488	6.77	0.485	4.09	548 (2)	-1 (2)	84-125	49	50

Laboratory Duplicate

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

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	%	%		

*- 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: 11/15/2017 18:30

Group Number: 1855197

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: 17276820010A	Sample number(s): 9229528-9229539 BKG: 9229532, P229532			
Moisture	13.54	12.73	6*	5
Moisture	13.54	12.73	6*	5
Moisture Duplicate	13.54	12.73	6*	5
Batch number: 17276820010B	Sample number(s): 9229540-9229547 BKG: P236460			
Moisture	10.89	11.69	7*	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. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172830025A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229528	113	110	91	249*
9229529	77	82	66	78
9229530	79	91	71	82
9229531	114	109	92	147
9229536	82	96	71	90
9229537	81	84	78	76
9229538	112	113	92	114
Blank	102	92	102	99
LCS	103	102	105	103
MS	136	141	111	129
MSD	145	147	114	137
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172850029A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229532	67	114	80	98
9229533	67	108	81	92
9229534	68	104	81	94
9229535	68	100	79	87
9229539	64	103	89	99
9229540	66	112	89	108

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

Quality Control Summary

Client Name: Stantec
Reported: 11/15/2017 18:30

Group Number: 1855197

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172850029A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229541	63	95	74	80
9229542	66	101	81	94
9229543	63	102	76	91
9229544	67	96	77	83
9229545	64	91	76	80
Blank	116	115	116	115
LCS	111	120	114	119
MS	67	108	81	92
MSD	68	104	81	94
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172860014A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229546	85	126	99	111
9229547	70	96	80	80
Blank	109	98	107	99
LCS	101	91	102	96
MS	70	99	78	85
MSD	72	93	80	84
Limits:	61-152	48-164	61-152	48-164

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

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1855197 Sample # 9229528-47

COC # 528676 22 of 25

For Lab Use Only
FSC:
SCR#:

Client Information

Client: Stantec
Acct. #:
Project Name/#: Amtrak Wilmington
PWSID #:
Project Manager: Paul Miller
P.O. #:
Sampler: Jon Zerbe
Quote #:
State where samples were collected: DE
For Compliance: Yes ☐ No ☐

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil ☒	Sediment ☐	Tissue ☐	Water: Potable ☐	Ground ☐	Surface ☐	NPDES ☐	Other:	Total # of Containers	PCBs 3550B
T2-40E	9/22/17	1215	X		X								1	X
T2-41W		1216	X		X								1	X
T2-41 (1.5-1.8)		1217	X		X								1	X
T2-41E		1218	X		X								1	X
T2-42W		1219	X		X								1	X
T2-42WMS		1219	X		X								1	X
T2-42W MSD		1219	X		X								1	X
DUP2-8		1219	X		X								1	X
T2-43W		1222	X		X								1	X
T2-42 (1.5-1.8)	9/22/17	1220	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:

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]	9-26-17	1259	[signature]	9/26/17	1255
[signature]	9/26/17	1715			
			[signature]	9/26/17	1715

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 1.1-2.4 °C

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Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1855197 Sample # 9229528-47

COC # 528677 25 of 25

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zemke

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

Matrix

Soil ☒ Sediment ☐ Tissue ☐ Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes

For Lab Use Only

FSC:

SCR#:

Preservation Codes

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	PCBs 3550B	Remarks
T2-42E	9/22/17	1221	X		1	X	
T2-43 (1.5-1.8)		1223	X		1	X	
T2-43E		1224	X		1	X	
T2-44W		1225	X		1	X	
T2-44 (1.5-1.8)		1226	X		1	X	
T2-44E		1227	X		1	X	
T2-45W		1228	X		1	X	
T2-45 (1.5-1.8)		1229	X		1	X	
T2-45E		1230	X		1	X	
T2-46W	9/22/17	1231	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: ____

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]	9-26-17	1255	[signature]	9/26/17	1255
[signature]	9-26-17	1715			
			[signature]	9/26/17	1715

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 1.1 - 2.4 °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.

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Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855197

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/26/2017 17:15
Number of Packages:	5	Number of Projects:	4
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:	No		

Unpacked by Simon Nies (25112) at 18:54 on 09/26/2017

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	DT42-01	1.3	DT	Wet	Y	Bagged	N
2	DT42-01	1.6	DT	Wet	Y	Bagged	N
3	DT42-01	1.8	DT	Wet	Y	Bagged	N
4	DT42-01	1.1	DT	Wet	Y	Bagged	N
5	DT42-01	2.4	DT	Wet	Y	Bagged	N

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

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
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.

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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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
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.
Z	Laboratory Defined - see analysis report

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.

Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATH03

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9229528	T2-40E		X	50	
9229529	T2-41W		X	10	
9229530	T2-41(1.5-1.8)		X	10	
9229531	T2-41E		X	50	
9229532	T2-42W		X	20	Unspiked
9229533	T2-42WMS		X	20	Matrix Spike
9229534	T2-42WMSD		X	20	Matrix Spike Duplicate
9229535	DUP2-8		X	10	Field Duplicate Sample
9229536	T2-43W		X	20	
9229537	T2-42(1.5-1.8)		X	1	
9229538	T2-42E		X	50	
9229539	T2-43(1.5-1.8)		X	50	
9229540	T2-43E		X	50	
9229541	T2-44W		X	10	
9229542	T2-44(1.5-1.8)		X	20	
9229543	T2-44E		X	20	
9229544	T2-45W		X	10	
9229545	T2-45(1.5-1.8)		X	5	
9229546	T2-45E		X	50	
9229547	T2-46W		X	10	

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.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATH03

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229528-9229547: Analysis: 10225)
For dual column analyses in which the calibration (initial and/or continuing) response is outside the acceptance criteria on one column and within criteria on the second column affected analytes 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#: 172850029A (Sample number(s): 9229532-9229535, 9229539-9229545, UNSPK: 9229532)
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: PCB-1260

Surrogate

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted. For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

Batch#: 172830025A (Sample number(s): 9229528-9229531, 9229536-9229538)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window:
Decachlorobiphenyl-D2 (9229528)

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: ATH03

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172830025A	PBLK25283	11/14/2017 03:14:00
		LCS25283	11/14/2017 03:25:00
		9229528	11/14/2017 06:37:00
		9229529	11/14/2017 06:48:00
		9229530	11/14/2017 06:59:00
		9229531	11/14/2017 07:11:00
		9229536	11/14/2017 07:22:00
		9229537	11/14/2017 07:33:00
		9229538	11/14/2017 08:07:00
PCBs in Solids by 8082/3550	172850029A	PBLK29285	10/25/2017 10:07:00
		LCS29285	10/25/2017 10:18:00
		9229532 UNSPK	10/25/2017 10:30:00
		9229533 MS	10/25/2017 10:41:00
		9229534 MSD	10/25/2017 10:53:00
		9229535	10/25/2017 11:04:00
		9229539	10/25/2017 11:16:00
		9229540	10/25/2017 11:27:00
		9229541	10/25/2017 11:38:00
		9229542	10/25/2017 11:50:00
		9229543	10/25/2017 12:01:00
		9229544	10/25/2017 12:13:00
		9229545	10/25/2017 12:24:00
PCBs in Solids by 8082/3550	172860014A	PBLK14286	10/24/2017 08:28:00
		LCS14286	10/24/2017 08:39:00
		9229546	10/24/2017 09:14:00
		9229547	10/24/2017 09:25:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATH03
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172830025A / PBLK25283 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	11/14/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	11/14/17	N.D.	mg/kg	0.015	0.051
PCB-1232	11/14/17	N.D.	mg/kg	0.012	0.051
PCB-1242	11/14/17	N.D.	mg/kg	0.012	0.051
PCB-1248	11/14/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	11/14/17	N.D.	mg/kg	0.013	0.051
PCB-1260	11/14/17	N.D.	mg/kg	0.012	0.051

172850029A / PBLK29285 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/25/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/25/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/25/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/25/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/25/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/25/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/25/17	N.D.	mg/kg	0.012	0.051

172860014A / PBLK14286 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/24/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/24/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/24/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/24/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/24/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATH03
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172830025A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK25283	92	48 - 164	99	48 - 164	102	61 - 152	102	61 - 152
LCS25283	102	48 - 164	103	48 - 164	103	61 - 152	105	61 - 152
9229528	110	48 - 164	249 *	48 - 164	113	61 - 152	91	61 - 152
9229529	82	48 - 164	78	48 - 164	77	61 - 152	66	61 - 152
9229530	91	48 - 164	82	48 - 164	79	61 - 152	71	61 - 152
9229531	109	48 - 164	147	48 - 164	114	61 - 152	92	61 - 152
9229536	96	48 - 164	90	48 - 164	82	61 - 152	71	61 - 152
9229537	84	48 - 164	76	48 - 164	81	61 - 152	78	61 - 152
9229538	113	48 - 164	114	48 - 164	112	61 - 152	92	61 - 152

172850029A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK29285	115	48 - 164	115	48 - 164	116	61 - 152	116	61 - 152
LCS29285	120	48 - 164	119	48 - 164	111	61 - 152	114	61 - 152
9229532 UNSPK	114	48 - 164	98	48 - 164	67	61 - 152	80	61 - 152
9229533 MS	108	48 - 164	92	48 - 164	67	61 - 152	81	61 - 152
9229534 MSD	104	48 - 164	94	48 - 164	68	61 - 152	81	61 - 152
9229535	100	48 - 164	87	48 - 164	68	61 - 152	79	61 - 152
9229539	103	48 - 164	99	48 - 164	64	61 - 152	89	61 - 152
9229540	112	48 - 164	108	48 - 164	66	61 - 152	89	61 - 152
9229541	95	48 - 164	80	48 - 164	63	61 - 152	74	61 - 152
9229542	101	48 - 164	94	48 - 164	66	61 - 152	81	61 - 152
9229543	102	48 - 164	91	48 - 164	63	61 - 152	76	61 - 152
9229544	96	48 - 164	83	48 - 164	67	61 - 152	77	61 - 152
9229545	91	48 - 164	80	48 - 164	64	61 - 152	76	61 - 152

172860014A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK14286	98	48 - 164	99	48 - 164	109	61 - 152	107	61 - 152
LCS14286	91	48 - 164	96	48 - 164	101	61 - 152	102	61 - 152
9229546	126	48 - 164	111	48 - 164	85	61 - 152	99	61 - 152
9229547	96	48 - 164	80	48 - 164	70	61 - 152	80	61 - 152

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted. For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

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Quality Control Summary
Matrix Spike/Matrix Spike Duplicate

SDG: ATH03
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9229532 MS: 9229533 MSD: 9229534 **Analyte**	Batch: **172850029A** (Sample number(s): 9229532-9229535, 9229539-9229545)								
	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	0.483 / 0.493	0	0.427	0.456	88	92	80-121	6	50
PCB-1260	0.483 / 0.493	7.34	2.18	3.40	-1066 (2)	-798 (2)	84-125	44	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: ATH03
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS25283	Batch: **172830025A** (Sample number(s): 9229528-9229531, 9229536-9229538)							
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	0.482	NA	96	NA	80-121	NA	NA
PCB-1260	0.501	0.515	NA	103	NA	84-125	NA	NA

LCS: LCS29285	Batch: **172850029A** (Sample number(s): 9229532-9229535, 9229539-9229545)							
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	0.508	NA	101	NA	80-121	NA	NA
PCB-1260	0.501	0.573	NA	114	NA	84-125	NA	NA

LCS: LCS14286	Batch: **172860014A** (Sample number(s): 9229546-9229547)							
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	0.481	NA	96	NA	80-121	NA	NA
PCB-1260	0.501	0.494	NA	99	NA	84-125	NA	NA

Multiple Component Initial Calibration Report: **25PCBS1730901**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.314	3.532	3.650	3.875	3.937	4.135	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		703849	700089	891859	915087	807545	565084	4583512
RF (Height/Conc):		2372	2379	2968	3022	2658	1896	
%RSD For RF		**7.418**	**8.467**	**5.909**	**6.618**	**5.946**	**8.636**	
Slope								
Y-Intercept								
Level 1	Height	66678	67792	81527	86090	73995	55324	431406
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	125328	128711	153543	150995	137093	97219	792889
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	237122	235384	296480	303149	264559	192385	1529079
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	482761	472545	616220	604541	536433	373646	3086146
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	1103352	1118675	1407326	1447389	1245493	867151	7189386
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	2207853	2177426	2796056	2898357	2587695	1804776	14472163
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels: 1 Concentration (ng/ml): 200.240000

Min # of Peaks Required: 3 Max %RSD: 5 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	3.210	3.267	3.315	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	227629	200952	631186	1059767
RF (Height/Conc):	1137	1004	3152	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels: 1 Concentration (ng/ml): 200.600000

Min # of Peaks Required: 4 Max %RSD: 10 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.316	3.533	3.652	3.877	3.938	4.137	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	512578	213051	263048	272707	226688	161046	1649118
RF (Height/Conc):	2555	1062	1311	1359	1130	803	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **25PCBS1730901**

Component: **Aroclor-1242** **AR42**

Calibration Levels: 1 Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4 Max %RSD: 30 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.316	3.533	3.651	3.877	3.939	4.136	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	374378	367648	445752	480107	395891	306177	2369953
RF (Height/Conc):	1872	1838	2229	2401	1979	1531	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.874	3.935	4.003	4.227	4.412	4.546	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		442454	423743	691904	682642	760683	741794	3743219
RF (Height/Conc):		1548	1466	2496	2312	2555	2490	
%RSD For RF		**10.594**	**9.818**	**16.060**	**9.715**	**9.234**	**9.434**	
Slope								
Y-Intercept								
Level 1	Height	44854	42678	79770	67855	75015	73271	383443
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	83607	75788	136391	121822	129660	126798	674066
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	159262	152839	249103	227694	258203	248356	1295457
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	298912	282216	461523	442694	484833	480307	2450485
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	698155	673247	1079549	1041770	1163163	1115720	5771604
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	1369931	1315692	2145086	2194018	2453223	2406310	11884260
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **25PCBS1730901**

Component: **Aroclor-1254** **AR54**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.600000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.751	4.814	4.941	5.034	5.236	5.352	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		860239	1768960	502860	1192128	1014213	1214521	6552920
RF (Height/Conc):		2838	5671	1738	3867	3264	3954	
%RSD For RF		**8.265**	**6.276**	**13.386**	**6.578**	**5.665**	**10.196**	
Slope								
Y-Intercept								
Level 1	Height	81485	157795	52967	108694	90662	119225	610828
	Conc	25.150	25.150	25.150	25.150	25.150	25.150	
Level 2	Height	144712	293918	93934	196716	165831	199606	1094717
	Conc	50.300	50.300	50.300	50.300	50.300	50.300	
Level 3	Height	295265	570419	182194	395172	329870	391280	2164200
	Conc	100.600	100.600	100.600	100.600	100.600	100.600	
Level 4	Height	676902	1321787	400123	924996	799637	923004	5046449
	Conc	251.500	251.500	251.500	251.500	251.500	251.500	
Level 5	Height	1353939	2776150	783004	1877841	1561917	1846237	10199088
	Conc	503.000	503.000	503.000	503.000	503.000	503.000	
Level 6	Height	2609131	5493692	1504935	3649347	3137363	3807771	20202239
	Conc	1006.000	1006.000	1006.000	1006.000	1006.000	1006.000	

Component: **Aroclor-1260** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.941	5.144	5.351	5.579	5.816	6.022	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1191283	1159787	1649789	867896	2377303	1416420	8662478
RF (Height/Conc):		3969	3790	5335	2879	7588	4587	
%RSD For RF		**8.372**	**7.059**	**6.477**	**7.864**	**4.867**	**8.062**	
Slope								
Y-Intercept								
Level 1	Height	114926	107461	150039	83358	208197	131742	795723
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	202860	187480	272617	145409	382940	234040	1425346
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	401157	389230	514661	290825	726935	448615	2771423
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	781423	742917	1052947	560258	1498498	886507	5522550
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	1792124	1741547	2497706	1337584	3705148	2081704	13155813
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	3855209	3790089	5410764	2789940	7742098	4715914	28304014
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **25PCBS1730901**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.800000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	5.417	5.582	5.819	6.023	6.079	6.456	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	999620	844989	1920872	1222905	589247	764916	6342549
RF (Height/Conc):	4978	4208	9566	6090	2934	3809	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	6.021	6.080	6.213	6.278	6.455	6.658	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2093383	1783839	1686736	466633	758207	6034256	12823054
RF (Height/Conc):	10415	8875	8392	2322	3772	30021	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: _____ Date: _____

Verified by: _____ Date: _____

Multiple Component Initial Calibration Report: **25PCBS1730901B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.069	3.404	3.601	3.677	3.736	3.846	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1202184	1404644	1267489	1410980	1089858	1071065	7446219
RF (Height/Conc):		4120	4736	4190	4620	3605	3594	
%RSD For RF		**9.428**	**8.490**	**6.264**	**4.024**	**6.073**	**8.145**	
Slope								
Y-Intercept								
Level 1	Height	119948	137768	116310	123906	100121	103722	701775
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	217006	242925	217614	238548	187249	185112	1288454
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	418013	480387	416334	465480	359082	362369	2501665
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	828561	942751	857401	937327	731142	720616	5017798
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	1878479	2190115	1941811	2230186	1687656	1647544	11575791
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	3751096	4433916	4055466	4470432	3473895	3407025	23591830
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels: 1 Concentration (ng/ml): 200.240000

Min # of Peaks Required: 3 Max %RSD: 5 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	2.953	3.014	3.068	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	446501	260544	1127428	1834473
RF (Height/Conc):	2230	1301	5630	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels: 1 Concentration (ng/ml): 200.600000

Min # of Peaks Required: 4 Max %RSD: 10 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.068	3.403	3.599	3.676	3.734	3.844	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	902937	411155	415371	397396	260249	298228	2685336
RF (Height/Conc):	4501	2050	2071	1981	1297	1487	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **25PCBS1730901B**

Component: **Aroclor-1242** **AR42**

Calibration Levels: 1 Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4 Max %RSD: 30 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.068	3.404	3.600	3.676	3.734	3.845	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	649873	717803	717296	728484	510000	582443	3905899
RF (Height/Conc):	3249	3589	3586	3642	2550	2912	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.600	3.676	3.709	3.844	3.942	4.082	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		602413	770417	1247741	1468051	1032020	2044668	7165309
RF (Height/Conc):		2038	2641	4229	4965	3414	6606	
%RSD For RF		**9.059**	**8.854**	**9.051**	**8.583**	**7.772**	**7.309**	
Slope								
Y-Intercept								
Level 1	Height	59837	75850	123454	142093	97688	188064	686986
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	104020	135996	217915	264744	177606	331706	1231987
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	203837	274734	425218	490313	331706	629731	2355539
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	388758	510504	812398	954108	647989	1272394	4586151
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	954219	1220100	1939635	2278542	1598388	3102173	11093057
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	1903808	2405319	3967823	4678504	3338741	6743939	23038134
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **25PCBS1730901B**

Component: **Aroclor-1254** **AR54**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.600000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.403	4.467	4.564	4.636	4.868	4.950	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1494745	2749802	1148830	1822084	1304115	1870561	10390137
RF (Height/Conc):		4767	8688	3786	5805	4011	6003	
%RSD For RF		**4.924**	**5.267**	**8.497**	**4.367**	**2.826**	**4.680**	
Slope								
Y-Intercept								
Level 1	Height	130528	241697	108533	158325	105209	163769	908061
	Conc	25.150	25.150	25.150	25.150	25.150	25.150	
Level 2	Height	244852	429480	199837	291527	195974	302163	1663833
	Conc	50.300	50.300	50.300	50.300	50.300	50.300	
Level 3	Height	474962	858890	386586	582754	400710	600125	3304027
	Conc	100.600	100.600	100.600	100.600	100.600	100.600	
Level 4	Height	1144989	2103981	894938	1429842	982524	1506823	8063097
	Conc	251.500	251.500	251.500	251.500	251.500	251.500	
Level 5	Height	2355352	4315069	1768307	2858935	2007919	2961292	16266874
	Conc	503.000	503.000	503.000	503.000	503.000	503.000	
Level 6	Height	4617789	8549693	3534780	5611122	4132354	5689191	32134929
	Conc	1006.000	1006.000	1006.000	1006.000	1006.000	1006.000	

Component: **Aroclor-1260** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.705	4.815	4.949	5.180	5.371	5.632	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2214793	1980440	2209620	1432480	3330318	2210620	13378270
RF (Height/Conc):		7108	6279	6995	4611	10281	7065	
%RSD For RF		**5.215**	**4.607**	**4.309**	**4.510**	**4.896**	**3.774**	
Slope								
Y-Intercept								
Level 1	Height	196116	169990	188064	125709	269358	187279	1136516
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	358530	310002	336770	235040	486143	359639	2086124
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	689378	616301	692862	453904	1021033	702254	4175732
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	1414007	1261240	1426983	907682	2065797	1419181	8494890
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	3388866	2992086	3379152	2213265	5016678	3341253	20331300
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	7241859	6533018	7233889	4659278	11122900	7254112	44045056
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **25PCBS1730901B**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.800000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	4.983	5.180	5.372	5.588	5.634	6.008	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1420182	1495646	2958412	1096445	2016884	1080308	10067877
RF (Height/Conc):	7073	7448	14733	5460	10044	5380	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base: 2

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.586	5.633	5.788	5.855	6.007	6.208	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	3045570	2963274	2450909	625941	1053794	8600677	18740165
RF (Height/Conc):	15152	14743	12194	3114	5243	42789	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: _____ Date: _____

Verified by: _____ Date: _____

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.03	3.09
Decachlorobiphenyl	6.81	6.81	6.81	6.81	6.80	6.81	6.81	6.78	6.84

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.38E+05	1.27E+05	1.36E+05	1.43E+05	1.39E+05	1.43E+05	1.38E+05	4
Decachlorobiphenyl	1.01E+05	8.32E+04	7.97E+04	7.89E+04	7.95E+04	8.16E+04	8.40E+04	10

Average % RSD: 7

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1221	1	3.21	3.19	3.23	1137	1137	1	200.24	227629	.00
	2	3.27	3.25	3.29	1004	1004	1	200.24	200952	.00
	3	3.32	3.30	3.34	3152	3152	1	200.24	631186	.00
Aroclor-1232	1	3.32	3.30	3.34	2555	2555	1	200.6	512578	.00
	2	3.53	3.51	3.55	1062	1062	1	200.6	213051	.00
	3	3.65	3.63	3.67	1311	1311	1	200.6	263048	.00
	4	3.88	3.86	3.90	1359	1359	1	200.6	272707	.00
	5	3.94	3.92	3.96	1130	1130	1	200.6	226688	.00
	6	4.14	4.12	4.16	803	803	1	200.6	161046	.00
Aroclor-1242	1	3.32	3.30	3.34	1872	1872	1	200	374378	.00
	2	3.53	3.51	3.55	1838	1838	1	200	367648	.00
	3	3.65	3.63	3.67	2229	2229	1	200	445752	.00
	4	3.88	3.86	3.90	2401	2401	1	200	480107	.00
	5	3.94	3.92	3.96	1979	1979	1	200	395891	.00
	6	4.14	4.12	4.16	1531	1531	1	200	306177	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.87	3.85	3.89	1788	1548	1	25.08	44854	10.59
					1667		2	50.16	83607	
					1588		3	100.32	159262	
					1490		4	200.64	298912	
					1392		5	501.6	698155	
					1366		6	1003.2	1369931	
	2	3.94	3.92	3.96	1702	1466	1	25.08	42678	9.82
					1511		2	50.16	75788	
					1524		3	100.32	152839	
					1407		4	200.64	282216	
					1342		5	501.6	673247	
					1311		6	1003.2	1315692	
	3	4.00	3.98	4.02	3181	2496	1	25.08	79770	16.06
					2719		2	50.16	136391	
					2483		3	100.32	249103	
					2300		4	200.64	461523	
					2152		5	501.6	1079549	
					2138		6	1003.2	2145086	
	4	4.23	4.21	4.25	2706	2312	1	25.08	67855	9.71
					2429		2	50.16	121822	
					2270		3	100.32	227694	
					2206		4	200.64	442694	
					2077		5	501.6	1041770	
					2187		6	1003.2	2194018	
	5	4.41	4.39	4.43	2991	2555	1	25.08	75015	9.23
					2585		2	50.16	129660	
					2574		3	100.32	258203	
					2416		4	200.64	484833	
					2319		5	501.6	1163163	
					2445		6	1003.2	2453223	
	6	4.55	4.53	4.57	2921	2490	1	25.08	73271	9.43
					2528		2	50.16	126798	
					2476		3	100.32	248356	
					2394		4	200.64	480307	
					2224		5	501.6	1115720	
					2399		6	1003.2	2406310	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.75	4.73	4.77	3240	2838	1	25.15	81485	8.27
					2877		2	50.3	144712	
					2935		3	100.6	295265	
					2691		4	251.5	676902	
					2692		5	503	1353939	
					2594		6	1006	2609131	
	2	4.81	4.79	4.83	6274	5671	1	25.15	157795	6.28
					5843		2	50.3	293918	
					5670		3	100.6	570419	
					5256		4	251.5	1321787	
					5519		5	503	2776150	
					5461		6	1006	5493692	
	3	4.94	4.92	4.96	2106	1738	1	25.15	52967	13.39
					1867		2	50.3	93934	
					1811		3	100.6	182194	
					1591		4	251.5	400123	
					1557		5	503	783004	
					1496		6	1006	1504935	
	4	5.03	5.01	5.05	4322	3867	1	25.15	108694	6.58
					3911		2	50.3	196716	
					3928		3	100.6	395172	
					3678		4	251.5	924996	
					3733		5	503	1877841	
					3628		6	1006	3649347	
	5	5.24	5.22	5.26	3605	3264	1	25.15	90662	5.67
					3297		2	50.3	165831	
					3279		3	100.6	329870	
					3179		4	251.5	799637	
					3105		5	503	1561917	
					3119		6	1006	3137363	
	6	5.35	5.33	5.37	4741	3954	1	25.15	119225	10.20
					3968		2	50.3	199606	
					3889		3	100.6	391280	
					3670		4	251.5	923004	
					3670		5	503	1846237	
					3785		6	1006	3807771	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1730901

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	4	5.58	5.56	5.60	2767	2767	6	1008.2	2789940	.00
	5	5.82	5.80	5.84	8259	7588	1	25.21	208197	4.87
					7597		2	50.41	382940	
					7210		3	100.82	726935	
					7432		4	201.64	1498498	
					7350		5	504.1	3705148	
					7679		6	1008.2	7742098	
	6	6.02	6.00	6.04	5226	4587	1	25.21	131742	8.06
					4643		2	50.41	234040	
					4450		3	100.82	448615	
					4396		4	201.64	886507	
					4130		5	504.1	2081704	
					4678		6	1008.2	4715914	

File Name: V:\CP25\25PCBS1730901.CAL
Version: 16

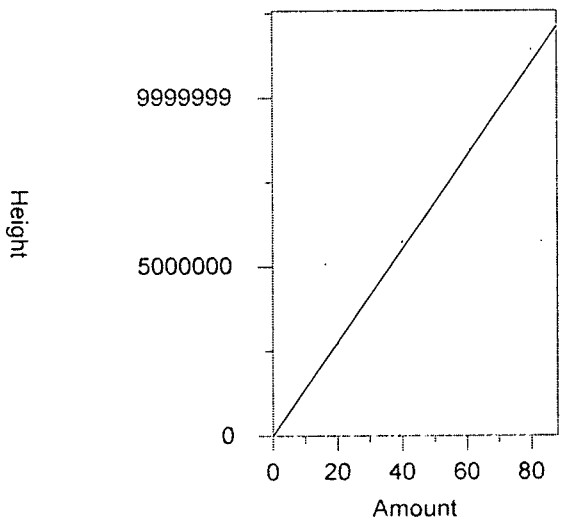
Creator:
Description:
Reason for change:

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: 3.056 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

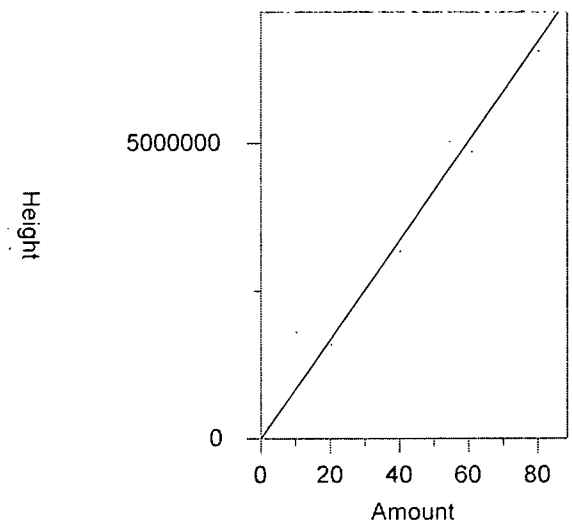
Single peak quantification by height

Y = 137847.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.997806
Average error: 2.986%
Average CF: 137847.5
RSD: 4.240%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	276492.3	138246.2	0.289	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.00
2	4	509278.3	127319.6	-7.637	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.00
3	20	2720545	136027.3	-1.320	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.00
4	40	5726347	143158.7	3.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01
5	60.8	8475360	139397.4	1.124	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01
6	80	1.143489E+07	142936.1	3.691	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01

2 DCB



Expected retention time:	6.805 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 = 83958.46 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9950633
Average error:	6.735%
Average CF:	83958.46
RSD:	10.082%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	202856.1	100923.4	20.206	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.0(
2	4.02	334554.4	83222.49	-0.877	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.0(
3	20.12	1602875	79665.75	-5.113	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.0(
4	40.24	3174043	78877.8	-6.051	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01
5	61.16	4861856	79494.05	-5.317	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01
6	80.48	6564530	81567.22	-2.848	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.01

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.75	2.81
Decachlorobiphenyl	6.37	6.37	6.37	6.37	6.37	6.37	6.37	6.34	6.40

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	2.35E+05	2.24E+05	2.44E+05	2.52E+05	2.51E+05	2.57E+05	2.44E+05	5
Decachlorobiphenyl	1.29E+05	1.16E+05	1.11E+05	1.11E+05	1.07E+05	1.14E+05	1.15E+05	7

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: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.07	3.05	3.09	4750	4120	1	25.25	119948	9.43
					4297		2	50.5	217006	
					4139		3	101	418013	
					4102		4	202	828561	
					3720		5	505	1878479	
					3714		6	1010	3751096	
	2	3.40	3.38	3.42	5456	4736	1	25.25	137768	8.49
					4810		2	50.5	242925	
					4756		3	101	480387	
					4667		4	202	942751	
					4337		5	505	2190115	
					4390		6	1010	4433916	
	3	3.60	3.58	3.62	4606	4190	1	25.25	116310	6.26
					4309		2	50.5	217614	
					4122		3	101	416334	
					4245		4	202	857401	
					3845		5	505	1941811	
					4015		6	1010	4055466	
	4	3.68	3.66	3.70	4907	4620	1	25.25	123906	4.02
					4724		2	50.5	238548	
					4609		3	101	465480	
					4640		4	202	937327	
					4416		5	505	2230186	
					4426		6	1010	4470432	
	5	3.74	3.72	3.76	3965	3605	1	25.25	100121	6.07
					3708		2	50.5	187249	
					3555		3	101	359082	
					3620		4	202	731142	
					3342		5	505	1687656	
					3440		6	1010	3473895	
	6	3.85	3.83	3.87	4108	3594	1	25.25	103722	8.15
					3666		2	50.5	185112	
					3588		3	101	362369	
					3567		4	202	720616	
					3262		5	505	1647544	
					3373		6	1010	3407025	
Aroclor-1221	1	2.95	2.93	2.97	2230	2230	1	200.24	446501	.00
	2	3.01	2.99	3.03	1301	1301	1	200.24	260544	.00
	3	3.07	3.05	3.09	5630	5630	1	200.24	1127428	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.07	3.05	3.09	4501	4501	1	200.6	902937	.00
	2	3.40	3.38	3.42	2050	2050	1	200.6	411155	.00
	3	3.60	3.58	3.62	2071	2071	1	200.6	415371	.00
	4	3.68	3.66	3.70	1981	1981	1	200.6	397396	.00
	5	3.73	3.71	3.75	1297	1297	1	200.6	260249	.00
	6	3.84	3.82	3.86	1487	1487	1	200.6	298228	.00
Aroclor-1242	1	3.07	3.05	3.09	3249	3249	1	200	649873	.00
	2	3.40	3.38	3.42	3589	3589	1	200	717803	.00
	3	3.60	3.58	3.62	3586	3586	1	200	717296	.00
	4	3.68	3.66	3.70	3642	3642	1	200	728484	.00
	5	3.73	3.71	3.75	2550	2550	1	200	510000	.00
	6	3.85	3.83	3.87	2912	2912	1	200	582443	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.60	3.58	3.62	2386	2038	1	25.08	59837	9.06
					2074		2	50.16	104020	
					2032		3	100.32	203837	
					1938		4	200.64	388758	
					1902		5	501.6	954219	
					1898		6	1003.2	1903808	
	2	3.68	3.66	3.70	3024	2641	1	25.08	75850	8.85
					2711		2	50.16	135996	
					2739		3	100.32	274734	
					2544		4	200.64	510504	
					2432		5	501.6	1220100	
					2398		6	1003.2	2405319	
	3	3.71	3.69	3.73	4922	4229	1	25.08	123454	9.05
					4344		2	50.16	217915	
					4239		3	100.32	425218	
					4049		4	200.64	812398	
					3867		5	501.6	1939635	
					3955		6	1003.2	3967823	
	4	3.84	3.82	3.86	5666	4965	1	25.08	142093	8.58
					5278		2	50.16	264744	
					4887		3	100.32	490313	
					4755		4	200.64	954108	
					4543		5	501.6	2278542	
					4664		6	1003.2	4678504	
	5	3.94	3.92	3.96	3895	3414	1	25.08	97688	7.77
					3541		2	50.16	177606	
					3306		3	100.32	331706	
					3230		4	200.64	647989	
					3187		5	501.6	1598388	
					3328		6	1003.2	3338741	
	6	4.08	4.06	4.10	7499	6606	1	25.08	188064	7.31
					6613		2	50.16	331706	
					6277		3	100.32	629731	
					6342		4	200.64	1272394	
					6185		5	501.6	3102173	
					6722		6	1003.2	6743939	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.40	4.38	4.42	5190	4767	1	25.15	130528	4.92
					4868		2	50.3	244852	
					4721		3	100.6	474962	
					4553		4	251.5	1144989	
					4683		5	503	2355352	
					4590		6	1006	4617789	
	2	4.47	4.45	4.49	9610	8688	1	25.15	241697	5.27
					8538		2	50.3	429480	
					8538		3	100.6	858890	
					8366		4	251.5	2103981	
					8579		5	503	4315069	
					8499		6	1006	8549693	
	3	4.56	4.54	4.58	4315	3786	1	25.15	108533	8.50
					3973		2	50.3	199837	
					3843		3	100.6	386586	
					3558		4	251.5	894938	
					3516		5	503	1768307	
					3514		6	1006	3534780	
	4	4.64	4.62	4.66	6295	5805	1	25.15	158325	4.37
					5796		2	50.3	291527	
					5793		3	100.6	582754	
					5685		4	251.5	1429842	
					5684		5	503	2858935	
					5578		6	1006	5611122	
	5	4.87	4.85	4.89	4183	4011	1	25.15	105209	2.83
					3896		2	50.3	195974	
					3983		3	100.6	400710	
					3907		4	251.5	982524	
					3992		5	503	2007919	
					4108		6	1006	4132354	
	6	4.95	4.93	4.97	6512	6003	1	25.15	163769	4.68
					6007		2	50.3	302163	
					5965		3	100.6	600125	
					5991		4	251.5	1506823	
					5887		5	503	2961292	
					5655		6	1006	5689191	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.71	4.69	4.73	7779	7108	1	25.21	196116	5.21
					7112		2	50.41	358530	
					6838		3	100.82	689378	
					7013		4	201.64	1414007	
					6723		5	504.1	3388866	
					7183		6	1008.2	7241859	
	2	4.82	4.80	4.84	6743	6279	1	25.21	169990	4.61
					6150		2	50.41	310002	
					6113		3	100.82	616301	
					6255		4	201.64	1261240	
					5936		5	504.1	2992086	
					6480		6	1008.2	6533018	
	3	4.95	4.93	4.97	7460	6995	1	25.21	188064	4.31
					6681		2	50.41	336770	
					6872		3	100.82	692862	
					7077		4	201.64	1426983	
					6703		5	504.1	3379152	
					7175		6	1008.2	7233889	
	4	5.18	5.16	5.20	4986	4611	1	25.21	125709	4.51
					4663		2	50.41	235040	
					4502		3	100.82	453904	
					4501		4	201.64	907682	
					4391		5	504.1	2213265	
					4621		6	1008.2	4659278	
	5	5.37	5.35	5.39	10685	10281	1	25.21	269358	4.90
					9644		2	50.41	486143	
					10127		3	100.82	1021033	
					10245		4	201.64	2065797	
					9952		5	504.1	5016678	
					11032		6	1008.2	11122900	
	6	5.63	5.61	5.65	7429	7065	1	25.21	187279	3.77
					7134		2	50.41	359639	
					6965		3	100.82	702254	
					7038		4	201.64	1419181	
					6628		5	504.1	3341253	
					7195		6	1008.2	7254112	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1730901B

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

ICAL Date(s) Analyzed: 11/5/2017 11/5/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.98	4.96	5.00	7073	7073	1	200.8	1420182	.00
	2	5.18	5.16	5.20	7448	7448	1	200.8	1495646	.00
	3	5.37	5.35	5.39	14733	14733	1	200.8	2958412	.00
	4	5.59	5.57	5.61	5460	5460	1	200.8	1096445	.00
	5	5.63	5.61	5.65	10044	10044	1	200.8	2016884	.00
	6	6.01	5.99	6.03	5380	5380	1	200.8	1080308	.00
Aroclor-1268	1	5.59	5.57	5.61	15152	15152	1	201	3045570	.00
	2	5.63	5.61	5.65	14743	14743	1	201	2963274	.00
	3	5.79	5.77	5.81	12194	12194	1	201	2450909	.00
	4	5.86	5.84	5.88	3114	3114	1	201	625941	.00
	5	6.01	5.99	6.03	5243	5243	1	201	1053794	.00
	6	6.21	6.19	6.23	42789	42789	1	201	8600677	.00

File Name: V:\CP25\25PCBS1730901b.CAL
Version: 15

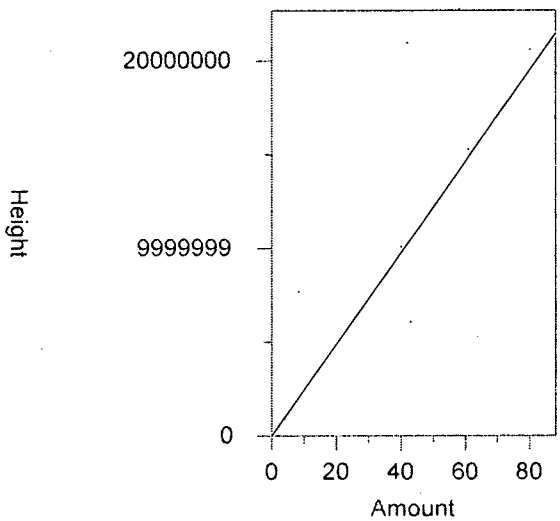
Creator:
Description:
Reason for change:

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: 2.782 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

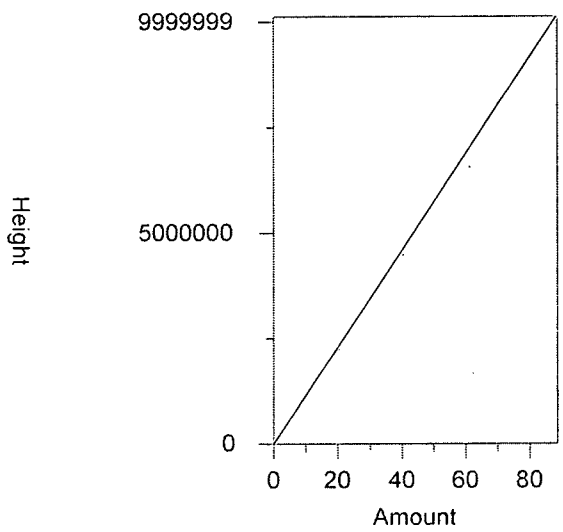
Single peak quantification by height

Y = 243781.9 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9954395
Average error: 4.005%
Average CF: 243781.9
RSD: 5.167%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	469050.4	234525.2	-3.797	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0
2	4	894984.2	223746	-8.219	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0
3	20	4879072	243953.6	0.070	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0
4	40	1.007563E+07	251890.8	3.326	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0
5	60.8	1.526995E+07	251150.5	3.023	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0
6	80	2.059403E+07	257425.4	5.597	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.0

2 DCB



Expected retention time:	6.372 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 = 114860.4 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9962218
Average error:	4.380%
Average CF:	114860.4
RSD:	6.568%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	259381.8	129045.7	12.350	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(
2	4.02	465382.8	115766.9	0.789	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(
3	20.12	2237350	111200.3	-3.187	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(
4	40.24	4482403	111391.7	-3.020	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(
5	61.16	6563540	107317.5	-6.567	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(
6	80.48	9210139	114440.1	-0.366	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001B.(

Multiple Component Initial Calibration Report: **07PCBS1729201**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels: 6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.286	3.503	3.620	3.844	3.904	4.102	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		3060522	3115628	3741850	4471788	3760525	2758705	20909018
RF (Height/Conc):		10015	10408	12001	13977	11688	8679	
%RSD For RF		**4.371**	**6.252**	**3.056**	**3.765**	**4.162**	**3.437**	
Slope								
Y-Intercept								
Level 1	Height	267954	280914	311071	355978	294278	226445	1736640
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	493396	515538	579228	659658	546946	413900	3208666
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	1012097	1061048	1231605	1385182	1172993	854122	6717047
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	2101909	2232677	2494894	2931932	2407622	1797488	13966522
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	4986319	5145782	6075321	7261620	6210819	4470390	34150251
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	9501455	9457811	11758980	14236360	11930490	8789884	65674980
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels: 1 Concentration (ng/ml): 200.100000

Min # of Peaks Required: 3 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	3.181	3.237	3.285	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	1026074	884607	3187332	5098013
RF (Height/Conc):	5128	4421	15929	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels: 1 Concentration (ng/ml): 200.600000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.284	3.501	3.616	3.840	3.902	4.099	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2447346	968854	1128078	1380101	1039840	712486	7676705
RF (Height/Conc):	12200	4830	5624	6880	5184	3552	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **07PCBS1729201**

Component: **Aroclor-1242** **AR42**

Calibration Levels: 1 Concentration (ng/ml): 200.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.286	3.502	3.618	3.842	3.903	4.101	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1726874	1709918	1994903	2394315	1772191	1330622	10928823
RF (Height/Conc):	8634	8550	9975	11972	8861	6653	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels: 6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.842	3.902	3.972	4.101	4.193	4.377	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2355286	1969603	3369687	3811367	3199977	3051121	17757040
RF (Height/Conc):		7668	6409	10924	12225	10193	9793	
%RSD For RF		**4.066**	**5.130**	**4.237**	**3.157**	**3.378**	**3.992**	
Slope								
Y-Intercept								
Level 1	Height	203039	176774	296164	322199	269483	253265	1520924
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	389136	314828	541109	593000	492525	471337	2801935
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	784493	646638	1103391	1228706	1033309	1028226	5824763
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	1446974	1230734	2111208	2476372	1994266	1876288	11135842
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	3866067	3139163	5330972	5920643	5009750	5047730	28314325
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	7442005	6309480	10835280	12327280	10400530	9629877	56944452
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **07PCBS1729201**

Component: **Aroclor-1254** **AR54**

Calibration Levels:6 Avg Concentration (ng/ml): 100.480000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.712	4.775	4.901	4.993	5.194	5.310	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		3871846	7764107	2304713	5060035	4022793	5082256	28105750
RF (Height/Conc):		11957	23705	7218	15466	12092	15434	
%RSD For RF		**2.824**	**3.152**	**3.479**	**3.580**	**4.981**	**4.777**	
Slope								
Y-Intercept								
Level 1	Height	307738	597010	192629	395228	305278	403884	2201767
	Conc	25.120	25.120	25.120	25.120	25.120	25.120	
Level 2	Height	584735	1186763	356205	749299	564452	741603	4183057
	Conc	50.240	50.240	50.240	50.240	50.240	50.240	
Level 3	Height	1156138	2237816	699554	1472967	1152599	1437849	8156923
	Conc	100.480	100.480	100.480	100.480	100.480	100.480	
Level 4	Height	3109275	6085172	1815010	4040768	3132650	3991745	22174620
	Conc	251.200	251.200	251.200	251.200	251.200	251.200	
Level 5	Height	6012512	12103180	3667584	7848717	6363399	7798776	43794168
	Conc	502.400	502.400	502.400	502.400	502.400	502.400	
Level 6	Height	12060680	24374700	7097294	15853230	12618380	16119680	88123964
	Conc	1004.800	1004.800	1004.800	1004.800	1004.800	1004.800	

Component: **Aroclor-1260** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.903	5.311	5.376	5.539	5.775	5.980	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		5686304	7791434	3849100	3972133	9627692	5691814	36618475
RF (Height/Conc):		17765	23344	11815	12224	29082	17877	
%RSD For RF		**3.508**	**6.514**	**5.128**	**4.097**	**5.750**	**3.028**	
Slope								
Y-Intercept								
Level 1	Height	455452	570923	298429	307259	708810	459694	2800567
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	842584	1074007	539531	574106	1399349	855953	5285530
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	1743321	2312021	1184719	1238424	2806721	1759482	11044688
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	3668115	4623630	2396598	2426908	5713120	3700410	22528781
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	9213071	12495320	6241890	6373273	15815260	9164692	59303506
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	18195280	25672700	12433430	12912830	31322890	18210650	118747780
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **07PCBS1729201**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.800000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	5.374	5.538	5.773	5.978	6.034	6.403	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	3835671	3299822	6882490	4465690	2107157	2296310	22887140
RF (Height/Conc):	19102	16433	34275	22239	10494	11436	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.975	6.033	6.165	6.229	6.402	6.600	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	8325168	7132076	6571516	1757974	2592923	20102440	46482097
RF (Height/Conc):	41419	35483	32694	8746	12900	100012	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: _____ Date: _____

Verified by: _____ Date: _____

Multiple Component Initial Calibration Report: **07PCBS1729201B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.037	3.370	3.564	3.639	3.697	3.806	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1577130	1923313	2003613	2096339	1558647	1702976	10862018
RF (Height/Conc):		5357	6493	6476	6735	5083	5648	
%RSD For RF		**7.773**	**7.663**	**3.706**	**4.007**	**5.801**	**6.284**	
Slope								
Y-Intercept								
Level 1	Height	152050	185538	172867	183238	143035	159425	996153
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	276565	328928	315480	329292	249368	286561	1786194
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	542237	650196	651141	665874	501584	566994	3578026
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	1095576	1327960	1345573	1361661	1017037	1122691	7270498
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	2555538	3160645	3245003	3396664	2550858	2755886	17664594
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	4840816	5886610	6291616	6641302	4890000	5326300	33876644
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels:1 Concentration (ng/ml): 200.100000

Min # of Peaks Required:3 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	2.921	2.983	3.036	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	629041	363581	1594291	2586913
RF (Height/Conc):	3144	1817	7967	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels:1 Concentration (ng/ml): 200.600000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.036	3.369	3.562	3.637	3.695	3.805	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1264087	605846	619169	589341	376712	460471	3915626
RF (Height/Conc):	6302	3020	3087	2938	1878	2295	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **07PCBS1729201B**

Component: **Aroclor-1242** **AR42**

Calibration Levels:1 Concentration (ng/ml): 200.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

	1	2	3	4	5	6	SUM
Retention Time:	3.037	3.369	3.563	3.637	3.696	3.805	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	898329	1038482	1092970	1014797	712151	866082	5622811
RF (Height/Conc):	4492	5192	5465	5074	3561	4330	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1248** **AR48**

Calibration Levels:6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.562	3.638	3.696	3.805	3.901	4.040	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		936482	1129269	1674097	2359985	1413012	3071243	10584088
RF (Height/Conc):		3171	3846	5657	7846	4745	9883	
%RSD For RF		**7.848**	**8.992**	**7.569**	**6.464**	**7.119**	**3.076**	
Slope								
Y-Intercept								
Level 1	Height	90902	112128	160307	217618	133190	263190	977335
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	160098	196333	293998	398013	240948	491090	1780480
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	321620	390947	571169	811710	493334	979081	3567861
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	619776	743515	1084619	1521832	909847	1941824	6821413
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	1507870	1780739	2690214	3627520	2229382	4884966	16720691
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	2918628	3551952	5244272	7583219	4471372	9867307	33636750
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **07PCBS1729201B**

Component: **Aroclor-1254** **AR54**

Calibration Levels:6 Avg Concentration (ng/ml): 100.480000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.356	4.419	4.516	4.587	4.656	4.898	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2602022	4624469	2116478	2869224	1728694	3397579	17338466
RF (Height/Conc):		8319	14440	6984	8946	5689	10656	
%RSD For RF		**4.474**	**4.473**	**7.721**	**3.219**	**7.423**	**3.725**	
Slope								
Y-Intercept								
Level 1	Height	225111	386261	197732	233601	158947	281831	1483483
	Conc	25.120	25.120	25.120	25.120	25.120	25.120	
Level 2	Height	419471	710306	368273	444496	303137	523844	2769527
	Conc	50.240	50.240	50.240	50.240	50.240	50.240	
Level 3	Height	813291	1358789	688779	855945	561696	1026480	5304980
	Conc	100.480	100.480	100.480	100.480	100.480	100.480	
Level 4	Height	2098507	3742232	1721657	2318512	1417264	2739744	14037916
	Conc	251.200	251.200	251.200	251.200	251.200	251.200	
Level 5	Height	4175533	7290838	3335448	4502671	2658336	5455214	27418040
	Conc	502.400	502.400	502.400	502.400	502.400	502.400	
Level 6	Height	7880221	14258390	6386978	8860119	5272782	10358360	53016850
	Conc	1004.800	1004.800	1004.800	1004.800	1004.800	1004.800	

Component: **Aroclor-1260** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.657	4.765	4.898	5.128	5.321	5.582	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		4162809	3654556	4240336	2757428	6536931	4439124	25791184
RF (Height/Conc):		13480	11719	13357	8764	20432	13756	
%RSD For RF		**3.780**	**2.209**	**3.877**	**3.457**	**2.979**	**3.866**	
Slope								
Y-Intercept								
Level 1	Height	365047	306490	349811	234995	517760	346692	2120795
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	674453	585794	637881	426500	994433	657779	3976840
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	1347319	1160530	1326448	866159	2005767	1335935	8042158
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	2656316	2367852	2645216	1738339	4107708	2809915	16325346
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	6766968	5967649	7081039	4456010	10807980	7301062	42380708
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	13166750	11539020	13401620	8822566	20787940	14183360	81901256
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **07PCBS1729201B**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.800000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	4.930	5.127	5.320	5.536	5.583	5.959	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2540197	2666502	4975868	1911755	3450604	1898204	17443130
RF (Height/Conc):	12650	13279	24780	9521	17184	9453	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.536	5.584	5.737	5.805	5.958	6.158	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	5966195	6073437	5198502	1359156	2078852	17198000	37874142
RF (Height/Conc):	29683	30216	25863	6762	10343	85562	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: _____ Date: _____

Verified by: _____ Date: _____

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.00	3.06
Decachlorobiphenyl	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.72	6.78

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	6.17E+05	5.93E+05	6.47E+05	6.62E+05	6.64E+05	6.27E+05	6.35E+05	4
Decachlorobiphenyl	2.76E+05	2.45E+05	2.49E+05	2.62E+05	2.45E+05	2.55E+05	2.55E+05	5

Average % RSD: 5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.29	3.27	3.31	10612	10015	1	25.25	267954	4.37
					9770		2	50.5	493396	
					10021		3	101	1012097	
					10405		4	202	2101909	
					9874		5	505	4986319	
					9407		6	1010	9501455	
	2	3.50	3.48	3.52	11125	10408	1	25.25	280914	6.25
					10209		2	50.5	515538	
					10505		3	101	1061048	
					11053		4	202	2232677	
					10190		5	505	5145782	
					9364		6	1010	9457811	
	3	3.62	3.60	3.64	12320	12001	1	25.25	311071	3.06
					11470		2	50.5	579228	
					12194		3	101	1231605	
					12351		4	202	2494894	
					12030		5	505	6075321	
					11643		6	1010	11758980	
	4	3.84	3.82	3.86	14098	13977	1	25.25	355978	3.76
					13063		2	50.5	659658	
					13715		3	101	1385182	
					14515		4	202	2931932	
					14379		5	505	7261620	
					14095		6	1010	14236360	
	5	3.90	3.88	3.92	11655	11688	1	25.25	294278	4.16
					10831		2	50.5	546946	
					11614		3	101	1172993	
					11919		4	202	2407622	
					12299		5	505	6210819	
					11812		6	1010	11930490	
	6	4.10	4.08	4.12	8968	8679	1	25.25	226445	3.44
					8196		2	50.5	413900	
					8457		3	101	854122	
					8898		4	202	1797488	
					8852		5	505	4470390	
					8703		6	1010	8789884	
Aroclor-1221	1	3.18	3.16	3.20	5128	5128	1	200.1	1026074	.00
	2	3.24	3.22	3.26	4421	4421	1	200.1	884607	.00
	3	3.29	3.27	3.31	15929	15929	1	200.1	3187332	.00

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.28	3.26	3.30	12200	12200	1	200.6	2447346	.00
	2	3.50	3.48	3.52	4830	4830	1	200.6	968854	.00
	3	3.62	3.60	3.64	5624	5624	1	200.6	1128078	.00
	4	3.84	3.82	3.86	6880	6880	1	200.6	1380101	.00
	5	3.90	3.88	3.92	5184	5184	1	200.6	1039840	.00
	6	4.10	4.08	4.12	3552	3552	1	200.6	712486	.00
Aroclor-1242	1	3.29	3.27	3.31	8634	8634	1	200	1726874	.00
	2	3.50	3.48	3.52	8550	8550	1	200	1709918	.00
	3	3.62	3.60	3.64	9975	9975	1	200	1994903	.00
	4	3.84	3.82	3.86	11972	11972	1	200	2394315	.00
	5	3.90	3.88	3.92	8861	8861	1	200	1772191	.00
	6	4.10	4.08	4.12	6653	6653	1	200	1330622	.00

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.84	3.82	3.86	8096	7668	1	25.08	203039	4.07
					7758		2	50.16	389136	
					7820		3	100.32	784493	
					7212		4	200.64	1446974	
					7707		5	501.6	3866067	
					7418		6	1003.2	7442005	
	2	3.90	3.88	3.92	7048	6409	1	25.08	176774	5.13
					6276		2	50.16	314828	
					6446		3	100.32	646638	
					6134		4	200.64	1230734	
					6258		5	501.6	3139163	
					6289		6	1003.2	6309480	
	3	3.97	3.95	3.99	11809	10924	1	25.08	296164	4.24
					10788		2	50.16	541109	
					10999		3	100.32	1103391	
					10522		4	200.64	2111208	
					10628		5	501.6	5330972	
					10801		6	1003.2	10835280	
	4	4.10	4.08	4.12	12847	12225	1	25.08	322199	3.16
					11822		2	50.16	593000	
					12248		3	100.32	1228706	
					12342		4	200.64	2476372	
					11804		5	501.6	5920643	
					12288		6	1003.2	12327280	
	5	4.19	4.17	4.21	10745	10193	1	25.08	269483	3.38
					9819		2	50.16	492525	
					10300		3	100.32	1033309	
					9940		4	200.64	1994266	
					9988		5	501.6	5009750	
					10367		6	1003.2	10400530	
	6	4.38	4.36	4.40	10098	9793	1	25.08	253265	3.99
					9397		2	50.16	471337	
					10249		3	100.32	1028226	
					9352		4	200.64	1876288	
					10063		5	501.6	5047730	
					9599		6	1003.2	9629877	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.71	4.69	4.73	12251	11957	1	25.12	307738	2.82
					11639		2	50.24	584735	
					11506		3	100.48	1156138	
					12378		4	251.2	3109275	
					11968		5	502.4	6012512	
					12003		6	1004.8	12060680	
	2	4.78	4.76	4.80	23766	23705	1	25.12	597010	3.15
					23622		2	50.24	1186763	
					22271		3	100.48	2237816	
					24224		4	251.2	6085172	
					24091		5	502.4	12103180	
					24258		6	1004.8	24374700	
	3	4.90	4.88	4.92	7668	7218	1	25.12	192629	3.48
					7090		2	50.24	356205	
					6962		3	100.48	699554	
					7225		4	251.2	1815010	
					7300		5	502.4	3667584	
					7063		6	1004.8	7097294	
	4	4.99	4.97	5.01	15734	15466	1	25.12	395228	3.58
					14914		2	50.24	749299	
					14659		3	100.48	1472967	
					16086		4	251.2	4040768	
					15622		5	502.4	7848717	
					15777		6	1004.8	15853230	
	5	5.19	5.17	5.21	12153	12092	1	25.12	305278	4.98
					11235		2	50.24	564452	
					11471		3	100.48	1152599	
					12471		4	251.2	3132650	
					12666		5	502.4	6363399	
					12558		6	1004.8	12618380	
	6	5.31	5.29	5.33	16078	15434	1	25.12	403884	4.78
					14761		2	50.24	741603	
					14310		3	100.48	1437849	
					15891		4	251.2	3991745	
					15523		5	502.4	7798776	
					16043		6	1004.8	16119680	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.90	4.88	4.92	18066	17765	1	25.21	455452	3.51
					16715		2	50.41	842584	
					17291		3	100.82	1743321	
					18191		4	201.64	3668115	
					18276		5	504.1	9213071	
					18047		6	1008.2	18195280	
	2	5.31	5.29	5.33	22647	23344	1	25.21	570923	6.51
					21305		2	50.41	1074007	
					22932		3	100.82	2312021	
					22930		4	201.64	4623630	
					24787		5	504.1	12495320	
					25464		6	1008.2	25672700	
	3	5.38	5.36	5.40	11838	11815	1	25.21	298429	5.13
					10703		2	50.41	539531	
					11751		3	100.82	1184719	
					11886		4	201.64	2396598	
					12382		5	504.1	6241890	
					12332		6	1008.2	12433430	
	4	5.54	5.52	5.56	12188	12224	1	25.21	307259	4.10
					11389		2	50.41	574106	
					12284		3	100.82	1238424	
					12036		4	201.64	2426908	
					12643		5	504.1	6373273	
					12808		6	1008.2	12912830	
	5	5.78	5.76	5.80	28116	29082	1	25.21	708810	5.75
					27759		2	50.41	1399349	
					27839		3	100.82	2806721	
					28333		4	201.64	5713120	
					31373		5	504.1	15815260	
					31068		6	1008.2	31322890	
	6	5.98	5.96	6.00	18235	17877	1	25.21	459694	3.03
					16980		2	50.41	855953	
					17452		3	100.82	1759482	
					18352		4	201.64	3700410	
					18180		5	504.1	9164692	
					18063		6	1008.2	18210650	

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.37	5.35	5.39	19102	19102	1	200.8	3835671	.00
	2	5.54	5.52	5.56	16433	16433	1	200.8	3299822	.00
	3	5.77	5.75	5.79	34275	34275	1	200.8	6882490	.00
	4	5.98	5.96	6.00	22239	22239	1	200.8	4465690	.00
	5	6.03	6.01	6.05	10494	10494	1	200.8	2107157	.00
	6	6.40	6.38	6.42	11436	11436	1	200.8	2296310	.00
Aroclor-1268	1	5.98	5.96	6.00	41419	41419	1	201	8325168	.00
	2	6.03	6.01	6.05	35483	35483	1	201	7132076	.00
	3	6.17	6.15	6.19	32694	32694	1	201	6571516	.00
	4	6.23	6.21	6.25	8746	8746	1	201	1757974	.00
	5	6.40	6.38	6.42	12900	12900	1	201	2592923	.00
	6	6.60	6.58	6.62	100012	100012	1	201	20102440	.00

File Name: V:\CP7\07PCBS1729201.CAL
Version: 8

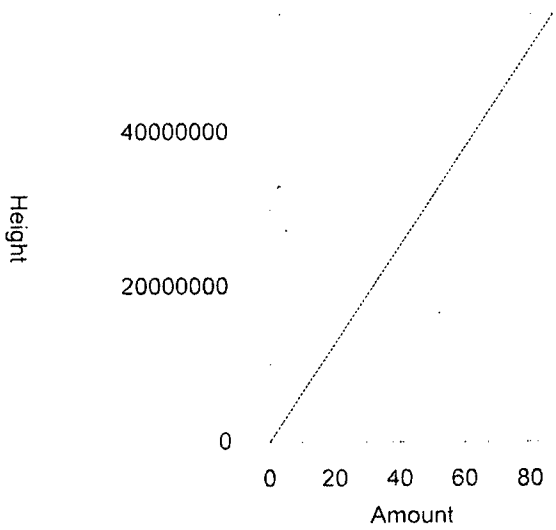
Creator:
Description:
Reason for change:

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: 3.029 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

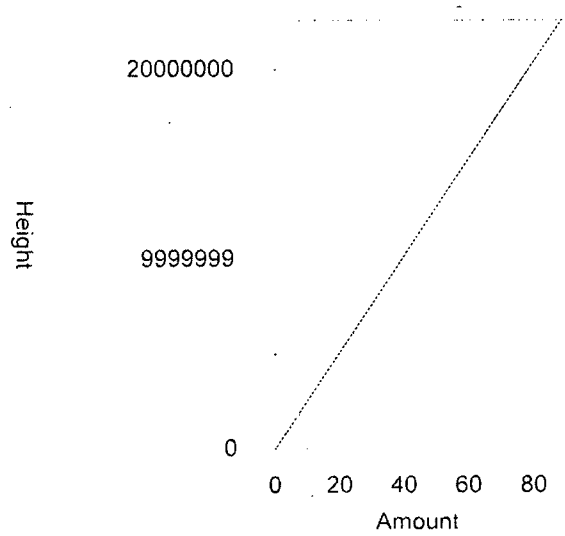
Single peak quantification by height

Y = 634956 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9976885
Average error: 3.567%
Average CF: 634956
RSD: 4.383%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	1233296	616648	-2.883	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0007.I
2	4	2371999	592999.8	-6.608	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0008.I
3	20	1.293448E+07	646724	1.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0009.I
4	40	2.648975E+07	662243.8	4.298	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0010.I
5	60.8	4.036162E+07	663842.4	4.549	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0011.I
6	80	5.018225E+07	627278.1	-1.209	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0012.I

2 DCB



Expected retention time:	6.75 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 = 255225.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9986055
Average error:	3.516%
Average CF:	255225.8
RSD:	4.659%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	554114.6	275678.9	8.014	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
2	4.02	983522.6	244657.4	-4.141	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
3	20.12	5010740	249042.7	-2.423	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
4	40.24	1.053045E+07	261691.1	2.533	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
5	61.16	1.500801E+07	245389.3	-3.854	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
6	80.48	2.051396E+07	254895.1	-0.130	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.72	2.78
Decachlorobiphenyl	6.32	6.32	6.32	6.32	6.32	6.32	6.32	6.29	6.35

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	2.89E+05	2.73E+05	3.11E+05	3.10E+05	3.22E+05	3.17E+05	3.04E+05	6
Decachlorobiphenyl	2.54E+05	2.28E+05	2.27E+05	2.28E+05	2.28E+05	2.20E+05	2.31E+05	5

Average % RSD: 6

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 19843B Calibration File: 07PCBS1729201B
GC Column (2) : ZB MR2 ID: 0.32 (mm)
ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.04	3.02	3.06	6022	5357	1	25.25	152050	7.77
					5477		2	50.5	276565	
					5369		3	101	542237	
					5424		4	202	1095576	
					5060		5	505	2555538	
					4793		6	1010	4840816	
	2	3.37	3.35	3.39	7348	6493	1	25.25	185538	7.66
					6513		2	50.5	328928	
					6438		3	101	650196	
					6574		4	202	1327960	
					6259		5	505	3160645	
					5828		6	1010	5886610	
	3	3.56	3.54	3.58	6846	6476	1	25.25	172867	3.71
					6247		2	50.5	315480	
					6447		3	101	651141	
					6661		4	202	1345573	
					6426		5	505	3245003	
					6229		6	1010	6291616	
	4	3.64	3.62	3.66	7257	6735	1	25.25	183238	4.01
					6521		2	50.5	329292	
					6593		3	101	665874	
					6741		4	202	1361661	
					6726		5	505	3396664	
					6576		6	1010	6641302	
	5	3.70	3.68	3.72	5665	5083	1	25.25	143035	5.80
					4938		2	50.5	249368	
					4966		3	101	501584	
					5035		4	202	1017037	
					5051		5	505	2550858	
					4842		6	1010	4890000	
	6	3.81	3.79	3.83	6314	5648	1	25.25	159425	6.28
					5674		2	50.5	286561	
					5614		3	101	566994	
					5558		4	202	1122691	
					5457		5	505	2755886	
					5274		6	1010	5326300	
Aroclor-1221	1	2.92	2.90	2.94	3144	3144	1	200.1	629041	.00
	2	2.98	2.96	3.00	1817	1817	1	200.1	363581	.00
	3	3.04	3.02	3.06	7967	7967	1	200.1	1594291	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.04	3.02	3.06	6302	6302	1	200.6	1264087	.00
	2	3.37	3.35	3.39	3020	3020	1	200.6	605846	.00
	3	3.56	3.54	3.58	3087	3087	1	200.6	619169	.00
	4	3.64	3.62	3.66	2938	2938	1	200.6	589341	.00
	5	3.70	3.68	3.72	1878	1878	1	200.6	376712	.00
	6	3.81	3.79	3.83	2295	2295	1	200.6	460471	.00
Aroclor-1242	1	3.04	3.02	3.06	4492	4492	1	200	898329	.00
	2	3.37	3.35	3.39	5192	5192	1	200	1038482	.00
	3	3.56	3.54	3.58	5465	5465	1	200	1092970	.00
	4	3.64	3.62	3.66	5074	5074	1	200	1014797	.00
	5	3.70	3.68	3.72	3561	3561	1	200	712151	.00
	6	3.81	3.79	3.83	4330	4330	1	200	866082	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.56	3.54	3.58	3624	3171	1	25.08	90902	7.85
					3192		2	50.16	160098	
					3206		3	100.32	321620	
					3089		4	200.64	619776	
					3006		5	501.6	1507870	
					2909		6	1003.2	2918628	
	2	3.64	3.62	3.66	4471	3846	1	25.08	112128	8.99
					3914		2	50.16	196333	
					3897		3	100.32	390947	
					3706		4	200.64	743515	
					3550		5	501.6	1780739	
					3541		6	1003.2	3551952	
	3	3.70	3.68	3.72	6392	5657	1	25.08	160307	7.57
					5861		2	50.16	293998	
					5693		3	100.32	571169	
					5406		4	200.64	1084619	
					5363		5	501.6	2690214	
					5228		6	1003.2	5244272	
	4	3.81	3.79	3.83	8677	7846	1	25.08	217618	6.46
					7935		2	50.16	398013	
					8091		3	100.32	811710	
					7585		4	200.64	1521832	
					7232		5	501.6	3627520	
					7559		6	1003.2	7583219	
	5	3.90	3.88	3.92	5311	4745	1	25.08	133190	7.12
					4804		2	50.16	240948	
					4918		3	100.32	493334	
					4535		4	200.64	909847	
					4445		5	501.6	2229382	
					4457		6	1003.2	4471372	
	6	4.04	4.02	4.06	10494	9883	1	25.08	263190	3.08
					9790		2	50.16	491090	
					9760		3	100.32	979081	
					9678		4	200.64	1941824	
					9739		5	501.6	4884966	
					9836		6	1003.2	9867307	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.36	4.34	4.38	8961	8319	1	25.12	225111	4.47
					8349		2	50.24	419471	
					8094		3	100.48	813291	
					8354		4	251.2	2098507	
					8311		5	502.4	4175533	
					7843		6	1004.8	7880221	
	2	4.42	4.40	4.44	15377	14440	1	25.12	386261	4.47
					14138		2	50.24	710306	
					13523		3	100.48	1358789	
					14897		4	251.2	3742232	
					14512		5	502.4	7290838	
					14190		6	1004.8	14258390	
	3	4.52	4.50	4.54	7871	6984	1	25.12	197732	7.72
					7330		2	50.24	368273	
					6855		3	100.48	688779	
					6854		4	251.2	1721657	
					6639		5	502.4	3335448	
					6356		6	1004.8	6386978	
	4	4.59	4.57	4.61	9299	8946	1	25.12	233601	3.22
					8847		2	50.24	444496	
					8519		3	100.48	855945	
					9230		4	251.2	2318512	
					8962		5	502.4	4502671	
					8818		6	1004.8	8860119	
	5	4.66	4.64	4.68	6328	5689	1	25.12	158947	7.42
					6034		2	50.24	303137	
					5590		3	100.48	561696	
					5642		4	251.2	1417264	
					5291		5	502.4	2658336	
					5248		6	1004.8	5272782	
	6	4.90	4.88	4.92	11219	10656	1	25.12	281831	3.73
					10427		2	50.24	523844	
					10216		3	100.48	1026480	
					10907		4	251.2	2739744	
					10858		5	502.4	5455214	
					10309		6	1004.8	10358360	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.66	4.64	4.68	14480	13480	1	25.21	365047	3.78
					13379		2	50.41	674453	
					13364		3	100.82	1347319	
					13174		4	201.64	2656316	
					13424		5	504.1	6766968	
					13060		6	1008.2	13166750	
	2	4.77	4.75	4.79	12157	11719	1	25.21	306490	2.21
					11621		2	50.41	585794	
					11511		3	100.82	1160530	
					11743		4	201.64	2367852	
					11838		5	504.1	5967649	
					11445		6	1008.2	11539020	
	3	4.90	4.88	4.92	13876	13357	1	25.21	349811	3.88
					12654		2	50.41	637881	
					13157		3	100.82	1326448	
					13119		4	201.64	2645216	
					14047		5	504.1	7081039	
					13293		6	1008.2	13401620	
	4	5.13	5.11	5.15	9321	8764	1	25.21	234995	3.46
					8461		2	50.41	426500	
					8591		3	100.82	866159	
					8621		4	201.64	1738339	
					8840		5	504.1	4456010	
					8751		6	1008.2	8822566	
	5	5.32	5.30	5.34	20538	20432	1	25.21	517760	2.98
					19727		2	50.41	994433	
					19895		3	100.82	2005767	
					20371		4	201.64	4107708	
					21440		5	504.1	10807980	
					20619		6	1008.2	20787940	
	6	5.58	5.56	5.60	13752	13756	1	25.21	346692	3.87
					13049		2	50.41	657779	
					13251		3	100.82	1335935	
					13935		4	201.64	2809915	
					14483		5	504.1	7301062	
					14068		6	1008.2	14183360	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/19/2017 10/20/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.93	4.91	4.95	12650	12650	1	200.8	2540197	.00
	2	5.13	5.11	5.15	13279	13279	1	200.8	2666502	.00
	3	5.32	5.30	5.34	24780	24780	1	200.8	4975868	.00
	4	5.54	5.52	5.56	9521	9521	1	200.8	1911755	.00
	5	5.58	5.56	5.60	17184	17184	1	200.8	3450604	.00
	6	5.96	5.94	5.98	9453	9453	1	200.8	1898204	.00
Aroclor-1268	1	5.54	5.52	5.56	29683	29683	1	201	5966195	.00
	2	5.58	5.56	5.60	30216	30216	1	201	6073437	.00
	3	5.74	5.72	5.76	25863	25863	1	201	5198502	.00
	4	5.81	5.79	5.83	6762	6762	1	201	1359156	.00
	5	5.96	5.94	5.98	10343	10343	1	201	2078852	.00
	6	6.16	6.14	6.18	85562	85562	1	201	17198000	.00

File Name: V:\CP7\07PCBS1729201b.CAL
Version: 8

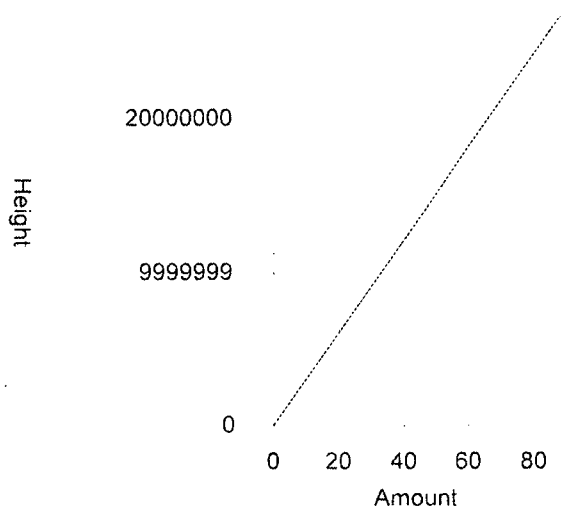
Creator:
Description:
Reason for change:

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: 2.749 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

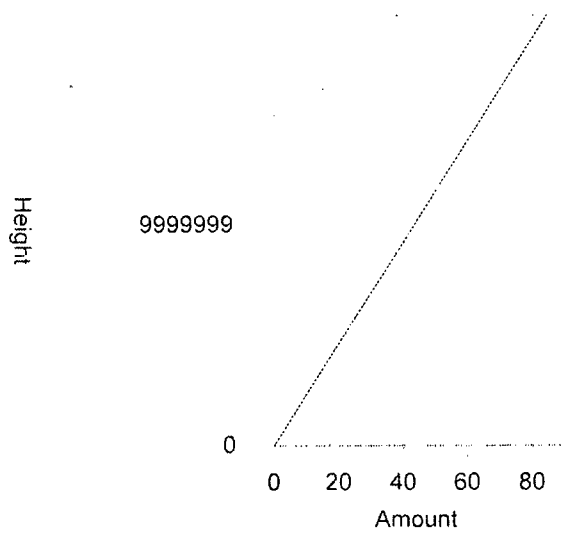
Single peak quantification by height

Y = 303548.4 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9953
Average error: 4.923%
Average CF: 303548.4
RSD: 6.122%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	578334.2	289167.1	-4.738	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.000
2	4	1092379	273094.8	-10.033	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.000
3	20	6222466	311123.3	2.495	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.000
4	40	1.238711E+07	309677.8	2.019	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.001
5	60.8	1.955655E+07	321653.8	5.965	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.001
6	80	2.532588E+07	316573.5	4.291	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.001

2 DCB



Expected retention time:	6.32 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 = 230737.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9968589
Average error:	3.363%
Average CF:	230737.8
RSD:	5.112%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	510567.4	254013.6	10.088	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
2	4.02	916178.8	227905.2	-1.228	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
3	20.12	4558033	226542.4	-1.818	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
4	40.24	9178973	228105.7	-1.141	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
5	61.16	1.392703E+07	227714.7	-1.310	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
6	80.48	1.771728E+07	220145.1	-4.591	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(

Multiple Component Initial Calibration Report: **07PCBS1729202**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.286	3.503	3.620	3.844	3.904	4.102	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		3060522	3115628	3741850	4471788	3760525	2758705	20909018
RF (Height/Conc):		10015	10408	12001	13977	11688	8679	
%RSD For RF		**4.371**	**6.252**	**3.056**	**3.765**	**4.162**	**3.437**	
Slope								
Y-Intercept								
Level 1	Height	267954	280914	311071	355978	294278	226445	1736640
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	493396	515538	579228	659658	546946	413900	3208666
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	1012097	1061048	1231605	1385182	1172993	854122	6717047
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	2101909	2232677	2494894	2931932	2407622	1797488	13966522
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	4986319	5145782	6075321	7261620	6210819	4470390	34150251
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	9501455	9457811	11758980	14236360	11930490	8789884	65674980
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels:1 Concentration (ng/ml): 200.100000

Min # of Peaks Required:3 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	3.181	3.237	3.285	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	1026074	884607	3187332	5098013
RF (Height/Conc):	5128	4421	15929	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels:1 Concentration (ng/ml): 200.600000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.284	3.501	3.616	3.840	3.902	4.099	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2447346	968854	1128078	1380101	1039840	712486	7676705
RF (Height/Conc):	12200	4830	5624	6880	5184	3552	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **07PCBS1729202**

Component: **Aroclor-1242** **AR42**

Calibration Levels:6 Avg Concentration (ng/ml): 100.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

		1	2	3	4	5	6	SUM
Retention Time:		3.287	3.503	3.620	3.843	3.904	4.102	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2573140	2552204	3023012	3805513	2831569	2100887	16886326
RF (Height/Conc):		8580	8636	9998	12047	9030	6864	
%RSD For RF		**4.843**	**5.859**	**4.742**	**2.956**	**3.023**	**3.770**	
Slope								
Y-Intercept								
Level 1	Height	228700	229238	262209	296732	230979	179126	1426982.65
	Conc	25.000	25.000	25.000	25.000	25.000	25.000	
Level 2	Height	442594	451969	508796	601086	447629	349982	2802057
	Conc	50.000	50.000	50.000	50.000	50.000	50.000	
Level 3	Height	849705	869409	1011590	1174059	883398	667313	5455473.9
	Conc	100.000	100.000	100.000	100.000	100.000	100.000	
Level 4	Height	1688534	1706466	1918154	2379114	1747568	1348358	10788194
	Conc	200.000	200.000	200.000	200.000	200.000	200.000	
Level 5	Height	4311892	4324942	5177436	6371296	4734026	3546210	28465802
	Conc	500.000	500.000	500.000	500.000	500.000	500.000	
Level 6	Height	7917417	7731202	9259888	12010790	8945813	6514334	52379444
	Conc	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	

Component: **Aroclor-1248** **AR48**

Calibration Levels:6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.842	3.902	3.972	4.101	4.193	4.377	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2355286	1969603	3369687	3811367	3199977	3051121	17757040
RF (Height/Conc):		7668	6409	10924	12225	10193	9793	
%RSD For RF		**4.066**	**5.130**	**4.237**	**3.157**	**3.378**	**3.992**	
Slope								
Y-Intercept								
Level 1	Height	203039	176774	296164	322199	269483	253265	1520924
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	389136	314828	541109	593000	492525	471337	2801935
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	784493	646638	1103391	1228706	1033309	1028226	5824763
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	1446974	1230734	2111208	2476372	1994266	1876288	11135842
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	3866067	3139163	5330972	5920643	5009750	5047730	28314325
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	7442005	6309480	10835280	12327280	10400530	9629877	56944452
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **07PCBS1729202**

Component: **Aroclor-1254** **AR54**

Calibration Levels:6 Avg Concentration (ng/ml): 100.480000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.712	4.775	4.901	4.993	5.194	5.310	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		3871846	7764107	2304713	5060035	4022793	5082256	28105750
RF (Height/Conc):		11957	23705	7218	15466	12092	15434	
%RSD For RF		**2.824**	**3.152**	**3.479**	**3.580**	**4.981**	**4.777**	
Slope								
Y-Intercept								
Level 1	Height	307738	597010	192629	395228	305278	403884	2201767
	Conc	25.120	25.120	25.120	25.120	25.120	25.120	
Level 2	Height	584735	1186763	356205	749299	564452	741603	4183057
	Conc	50.240	50.240	50.240	50.240	50.240	50.240	
Level 3	Height	1156138	2237816	699554	1472967	1152599	1437849	8156923
	Conc	100.480	100.480	100.480	100.480	100.480	100.480	
Level 4	Height	3109275	6085172	1815010	4040768	3132650	3991745	22174620
	Conc	251.200	251.200	251.200	251.200	251.200	251.200	
Level 5	Height	6012512	12103180	3667584	7848717	6363399	7798776	43794168
	Conc	502.400	502.400	502.400	502.400	502.400	502.400	
Level 6	Height	12060680	24374700	7097294	15853230	12618380	16119680	88123964
	Conc	1004.800	1004.800	1004.800	1004.800	1004.800	1004.800	

Component: **Aroclor-1260** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.903	5.311	5.376	5.539	5.775	5.980	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		5686304	7791434	3849100	3972133	9627692	5691814	36618475
RF (Height/Conc):		17765	23344	11815	12224	29082	17877	
%RSD For RF		**3.508**	**6.514**	**5.128**	**4.097**	**5.750**	**3.028**	
Slope								
Y-Intercept								
Level 1	Height	455452	570923	298429	307259	708810	459694	2800567
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	842584	1074007	539531	574106	1399349	855953	5285530
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	1743321	2312021	1184719	1238424	2806721	1759482	11044688
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	3668115	4623630	2396598	2426908	5713120	3700410	22528781
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	9213071	12495320	6241890	6373273	15815260	9164692	59303506
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	18195280	25672700	12433430	12912830	31322890	18210650	118747780
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **07PCBS1729202**

Component: **Aroclor-1262** **AR62**

Calibration Levels:1 Concentration (ng/ml): 200.800000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	5.374	5.538	5.773	5.978	6.034	6.403	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	3835671	3299822	6882490	4465690	2107157	2296310	22887140
RF (Height/Conc):	19102	16433	34275	22239	10494	11436	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels:1 Concentration (ng/ml): 201.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.975	6.033	6.165	6.229	6.402	6.600	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	8325168	7132076	6571516	1757974	2592923	20102440	46482097
RF (Height/Conc):	41419	35483	32694	8746	12900	100012	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by:_____ Date: _____

Verified by:_____ Date: _____

Multiple Component Initial Calibration Report: **07PCBS1729202B**

Area Files Used For Calibration

Sequence _____ Injections _____

Component: **Aroclor-1016** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 101.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1016

		1	2	3	4	5	6	SUM
Retention Time:		3.037	3.370	3.564	3.639	3.697	3.806	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1577130	1923313	2003613	2096339	1558647	1702976	10862018
RF (Height/Conc):		5357	6493	6476	6735	5083	5648	
%RSD For RF		**7.773**	**7.663**	**3.706**	**4.007**	**5.801**	**6.284**	
Slope								
Y-Intercept								
Level 1	Height	152050	185538	172867	183238	143035	159425	996153
	Conc	25.250	25.250	25.250	25.250	25.250	25.250	
Level 2	Height	276565	328928	315480	329292	249368	286561	1786194
	Conc	50.500	50.500	50.500	50.500	50.500	50.500	
Level 3	Height	542237	650196	651141	665874	501584	566994	3578026
	Conc	101.000	101.000	101.000	101.000	101.000	101.000	
Level 4	Height	1095576	1327960	1345573	1361661	1017037	1122691	7270498
	Conc	202.000	202.000	202.000	202.000	202.000	202.000	
Level 5	Height	2555538	3160645	3245003	3396664	2550858	2755886	17664594
	Conc	505.000	505.000	505.000	505.000	505.000	505.000	
Level 6	Height	4840816	5886610	6291616	6641302	4890000	5326300	33876644
	Conc	1010.000	1010.000	1010.000	1010.000	1010.000	1010.000	

Component: **Aroclor-1221** **AR21**

Calibration Levels:1 Concentration (ng/ml): 200.100000

Min # of Peaks Required:3 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1221

	1	2	3	SUM
Retention Time:	2.921	2.983	3.036	
RT Window (Mins):	0.02000	0.02000	0.02000	
Height:	629041	363581	1594291	2586913
RF (Height/Conc):	3144	1817	7967	
%RSD For RF	**0.000**	**0.000**	**0.000**	
Slope				
Y-Intercept				

Component: **Aroclor-1232** **AR32**

Calibration Levels:1 Concentration (ng/ml): 200.600000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1232

	1	2	3	4	5	6	SUM
Retention Time:	3.036	3.369	3.562	3.637	3.695	3.805	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	1264087	605846	619169	589341	376712	460471	3915626
RF (Height/Conc):	6302	3020	3087	2938	1878	2295	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Multiple Component Initial Calibration Report: **07PCBS1729202B**

Component: **Aroclor-1242** **AR42**

Calibration Levels:6 Avg Concentration (ng/ml): 100.000000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1242

		1	2	3	4	5	6	SUM
Retention Time:		3.037	3.370	3.564	3.639	3.697	3.806	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		1322644	1585606	1716687	1645030	1159038	1361668	8790673
RF (Height/Conc):		4609	5490	5701	5461	3944	4638	
%RSD For RF		**9.510**	**9.313**	**4.450**	**5.409**	**8.268**	**8.204**	
Slope								
Y-Intercept								
Level 1	Height	130508	155312	149758	146388	111452	131127	824544.3
	Conc	25.000	25.000	25.000	25.000	25.000	25.000	
Level 2	Height	249200	298352	299010	283179	209767	246155	1585661.6
	Conc	50.000	50.000	50.000	50.000	50.000	50.000	
Level 3	Height	461647	547539	567821	529246	389807	460405	2956464.1
	Conc	100.000	100.000	100.000	100.000	100.000	100.000	
Level 4	Height	880778	1037886	1108501	1061190	738309	873189	5699853.1
	Conc	200.000	200.000	200.000	200.000	200.000	200.000	
Level 5	Height	2214320	2622311	2840304	2799276	1914738	2230820	14621769
	Conc	500.000	500.000	500.000	500.000	500.000	500.000	
Level 6	Height	3999411	4852234	5334726	5050904	3590158	4228312	27055745
	Conc	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	

Component: **Aroclor-1248** **AR48**

Calibration Levels:6 Avg Concentration (ng/ml): 100.320000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1248

		1	2	3	4	5	6	SUM
Retention Time:		3.562	3.638	3.696	3.805	3.901	4.040	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		936482	1129269	1674097	2359985	1413012	3071243	10584088
RF (Height/Conc):		3171	3846	5657	7846	4745	9883	
%RSD For RF		**7.848**	**8.992**	**7.569**	**6.464**	**7.119**	**3.076**	
Slope								
Y-Intercept								
Level 1	Height	90902	112128	160307	217618	133190	263190	977335
	Conc	25.080	25.080	25.080	25.080	25.080	25.080	
Level 2	Height	160098	196333	293998	398013	240948	491090	1780480
	Conc	50.160	50.160	50.160	50.160	50.160	50.160	
Level 3	Height	321620	390947	571169	811710	493334	979081	3567861
	Conc	100.320	100.320	100.320	100.320	100.320	100.320	
Level 4	Height	619776	743515	1084619	1521832	909847	1941824	6821413
	Conc	200.640	200.640	200.640	200.640	200.640	200.640	
Level 5	Height	1507870	1780739	2690214	3627520	2229382	4884966	16720691
	Conc	501.600	501.600	501.600	501.600	501.600	501.600	
Level 6	Height	2918628	3551952	5244272	7583219	4471372	9867307	33636750
	Conc	1003.200	1003.200	1003.200	1003.200	1003.200	1003.200	

Multiple Component Initial Calibration Report: **07PCBS1729202B**

Component: **Aroclor-1254** **AR54**

Calibration Levels:6 Avg Concentration (ng/ml): 100.480000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1254

		1	2	3	4	5	6	SUM
Retention Time:		4.356	4.419	4.516	4.587	4.656	4.898	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		2602022	4624469	2116478	2869224	1728694	3397579	17338466
RF (Height/Conc):		8319	14440	6984	8946	5689	10656	
%RSD For RF		**4.474**	**4.473**	**7.721**	**3.219**	**7.423**	**3.725**	
Slope								
Y-Intercept								
Level 1	Height	225111	386261	197732	233601	158947	281831	1483483
	Conc	25.120	25.120	25.120	25.120	25.120	25.120	
Level 2	Height	419471	710306	368273	444496	303137	523844	2769527
	Conc	50.240	50.240	50.240	50.240	50.240	50.240	
Level 3	Height	813291	1358789	688779	855945	561696	1026480	5304980
	Conc	100.480	100.480	100.480	100.480	100.480	100.480	
Level 4	Height	2098507	3742232	1721657	2318512	1417264	2739744	14037916
	Conc	251.200	251.200	251.200	251.200	251.200	251.200	
Level 5	Height	4175533	7290838	3335448	4502671	2658336	5455214	27418040
	Conc	502.400	502.400	502.400	502.400	502.400	502.400	
Level 6	Height	7880221	14258390	6386978	8860119	5272782	10358360	53016850
	Conc	1004.800	1004.800	1004.800	1004.800	1004.800	1004.800	

Component: **Aroclor-1260** **AR16**

Calibration Levels:6 Avg Concentration (ng/ml): 100.820000

Min # of Peaks Required:4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1260

		1	2	3	4	5	6	SUM
Retention Time:		4.657	4.765	4.898	5.128	5.321	5.582	
RT Window (Mins):		0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Average Height:		4162809	3654556	4240336	2757428	6536931	4439124	25791184
RF (Height/Conc):		13480	11719	13357	8764	20432	13756	
%RSD For RF		**3.780**	**2.209**	**3.877**	**3.457**	**2.979**	**3.866**	
Slope								
Y-Intercept								
Level 1	Height	365047	306490	349811	234995	517760	346692	2120795
	Conc	25.210	25.210	25.210	25.210	25.210	25.210	
Level 2	Height	674453	585794	637881	426500	994433	657779	3976840
	Conc	50.410	50.410	50.410	50.410	50.410	50.410	
Level 3	Height	1347319	1160530	1326448	866159	2005767	1335935	8042158
	Conc	100.820	100.820	100.820	100.820	100.820	100.820	
Level 4	Height	2656316	2367852	2645216	1738339	4107708	2809915	16325346
	Conc	201.640	201.640	201.640	201.640	201.640	201.640	
Level 5	Height	6766968	5967649	7081039	4456010	10807980	7301062	42380708
	Conc	504.100	504.100	504.100	504.100	504.100	504.100	
Level 6	Height	13166750	11539020	13401620	8822566	20787940	14183360	81901256
	Conc	1008.200	1008.200	1008.200	1008.200	1008.200	1008.200	

Multiple Component Initial Calibration Report: **07PCBS1729202B**

Component: **Aroclor-1262** **AR62**

Calibration Levels: 1 Concentration (ng/ml): 200.800000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1262

	1	2	3	4	5	6	SUM
Retention Time:	4.930	5.127	5.320	5.536	5.583	5.959	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	2540197	2666502	4975868	1911755	3450604	1898204	17443130
RF (Height/Conc):	12650	13279	24780	9521	17184	9453	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Component: **Aroclor-1268** **AR68**

Calibration Levels: 1 Concentration (ng/ml): 201.000000

Min # of Peaks Required: 4 Max %RSD: 40 Report Base:

Slope: Y-Intercept: E-Flag Basis: Aroclor-1268

	1	2	3	4	5	6	SUM
Retention Time:	5.536	5.584	5.737	5.805	5.958	6.158	
RT Window (Mins):	0.02000	0.02000	0.02000	0.02000	0.02000	0.02000	
Height:	5966195	6073437	5198502	1359156	2078852	17198000	37874142
RF (Height/Conc):	29683	30216	25863	6762	10343	85562	
%RSD For RF	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	
Slope							
Y-Intercept							

Reviewed by: _____ Date: _____

Verified by: _____ Date: _____

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	RT OF STANDARDS LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MIDPOINT RT	RT WINDOW FROM	TO
Tetrachloro-m-xylene							3.03	3.00	3.06
Decachlorobiphenyl							6.75	6.72	6.78

~~1~~ 2855 23Oct17
③
1242 ~~5~~ 6 pt curve added

files used: 07PCBS17292002.0007 - 13,
old cal: 07PCBS1729201
New cal: 07PCBS1729202
applies to: 07PCBS17292002.0005 - 7

By: [signature]
Jessica L. Miller
Senior Chemist

OCT 23 2017

Audit: [signature]
Kirby B. Turner
Chemist

OCT 24 2017

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	6.17E+05	5.93E+05	6.47E+05	6.62E+05	6.64E+05	6.27E+05	6.35E+05	4
Decachlorobiphenyl	2.76E+05	2.45E+05	2.49E+05	2.62E+05	2.45E+05	2.55E+05	2.55E+05	5

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.29	3.27	3.31	9770	9896	2	50.5	493396	3.68
					10021		3	101	1012097	
					10405		4	202	2101909	
					9874		5	505	4986319	
					9407		6	1010	9501455	
	2	3.50	3.48	3.52	11125	10408	1	25.25	280914	6.25
					10209		2	50.5	515538	
					10505		3	101	1061048	
					11053		4	202	2232677	
					10190		5	505	5145782	
					9364		6	1010	9457811	
	3	3.62	3.60	3.64	12320	12001	1	25.25	311071	3.06
					11470		2	50.5	579228	
					12194		3	101	1231605	
					12351		4	202	2494894	
					12030		5	505	6075321	
					11643		6	1010	11758980	
	4	3.84	3.82	3.86	14098	13977	1	25.25	355978	3.76
					13063		2	50.5	659658	
					13715		3	101	1385182	
					14515		4	202	2931932	
					14379		5	505	7261620	
					14095		6	1010	14236360	
	5	3.90	3.88	3.92	11655	11688	1	25.25	294278	4.16
					10831		2	50.5	546946	
					11614		3	101	1172993	
					11919		4	202	2407622	
					12299		5	505	6210819	
					11812		6	1010	11930490	
	6	4.10	4.08	4.12	8968	8679	1	25.25	226445	3.44
					8196		2	50.5	413900	
					8457		3	101	854122	
					8898		4	202	1797488	
					8852		5	505	4470390	
					8703		6	1010	8789884	
Aroclor-1221	1	3.18	3.16	3.20	5128	5128	1	200.1	1026074	.00
	2	3.24	3.22	3.26	4421	4421	1	200.1	884607	.00
	3	3.29	3.27	3.31	15929	15929	1	200.1	3187332	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.28	3.26	3.30	12200	12200	1	200.6	2447346	.00
	2	3.50	3.48	3.52	4830	4830	1	200.6	968854	.00
	3	3.62	3.60	3.64	5624	5624	1	200.6	1128078	.00
	4	3.84	3.82	3.86	6880	6880	1	200.6	1380101	.00
	5	3.90	3.88	3.92	5184	5184	1	200.6	1039840	.00
	6	4.10	4.08	4.12	3552	3552	1	200.6	712486	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.29	3.27	3.31	9148	8580	1	25	228700	4.84
					8852		2	50	442594	
					8497		3	100	849705	
					8443		4	200	1688534	
					8624		5	500	4311892	
					7917		6	1000	7917417	
	2	3.50	3.48	3.52	9170	8636	1	25	229238	5.86
					9039		2	50	451969	
					8694		3	100	869409	
					8532		4	200	1706466	
					8650		5	500	4324942	
					7731		6	1000	7731202	
	3	3.62	3.60	3.64	10488	9998	1	25	262209	4.74
					10176		2	50	508796	
					10116		3	100	1011590	
					9591		4	200	1918154	
					10355		5	500	5177436	
					9260		6	1000	9259888	
	4	3.84	3.82	3.86	11869	12047	1	25	296732	2.96
					12022		2	50	601086	
					11741		3	100	1174059	
					11896		4	200	2379114	
					12743		5	500	6371296	
					12011		6	1000	12010790	
	5	3.90	3.88	3.92	9239	9030	1	25	230979	3.02
					8953		2	50	447629	
					8834		3	100	883398	
					8738		4	200	1747568	
					9468		5	500	4734026	
					8946		6	1000	8945813	
	6	4.10	4.08	4.12	7165	6864	1	25	179126	3.77
					7000		2	50	349982	
					6673		3	100	667313	
					6742		4	200	1348358	
					7092		5	500	3546210	
					6514		6	1000	6514334	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.84	3.82	3.86	8096	7668	1	25.08	203039	4.07
					7758		2	50.16	389136	
					7820		3	100.32	784493	
					7212		4	200.64	1446974	
					7707		5	501.6	3866067	
					7418		6	1003.2	7442005	
	2	3.90	3.88	3.92	7048	6409	1	25.08	176774	5.13
					6276		2	50.16	314828	
					6446		3	100.32	646638	
					6134		4	200.64	1230734	
					6258		5	501.6	3139163	
					6289		6	1003.2	6309480	
	3	3.97	3.95	3.99	11809	10924	1	25.08	296164	4.24
					10788		2	50.16	541109	
					10999		3	100.32	1103391	
					10522		4	200.64	2111208	
					10628		5	501.6	5330972	
					10801		6	1003.2	10835280	
	4	4.10	4.08	4.12	12847	12225	1	25.08	322199	3.16
					11822		2	50.16	593000	
					12248		3	100.32	1228706	
					12342		4	200.64	2476372	
					11804		5	501.6	5920643	
					12288		6	1003.2	12327280	
	5	4.19	4.17	4.21	10745	10193	1	25.08	269483	3.38
					9819		2	50.16	492525	
					10300		3	100.32	1033309	
					9940		4	200.64	1994266	
					9988		5	501.6	5009750	
					10367		6	1003.2	10400530	
	6	4.38	4.36	4.40	10098	9793	1	25.08	253265	3.99
					9397		2	50.16	471337	
					10249		3	100.32	1028226	
					9352		4	200.64	1876288	
					10063		5	501.6	5047730	
					9599		6	1003.2	9629877	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.71	4.69	4.73	12251	11957	1	25.12	307738	2.82
					11639		2	50.24	584735	
					11506		3	100.48	1156138	
					12378		4	251.2	3109275	
					11968		5	502.4	6012512	
					12003		6	1004.8	12060680	
	2	4.78	4.76	4.80	23766	23705	1	25.12	597010	3.15
					23622		2	50.24	1186763	
					22271		3	100.48	2237816	
					24224		4	251.2	6085172	
					24091		5	502.4	12103180	
					24258		6	1004.8	24374700	
	3	4.90	4.88	4.92	7668	7218	1	25.12	192629	3.48
					7090		2	50.24	356205	
					6962		3	100.48	699554	
					7225		4	251.2	1815010	
					7300		5	502.4	3667584	
					7063		6	1004.8	7097294	
	4	4.99	4.97	5.01	15734	15466	1	25.12	395228	3.58
					14914		2	50.24	749299	
					14659		3	100.48	1472967	
					16086		4	251.2	4040768	
					15622		5	502.4	7848717	
					15777		6	1004.8	15853230	
	5	5.19	5.17	5.21	12153	12092	1	25.12	305278	4.98
					11235		2	50.24	564452	
					11471		3	100.48	1152599	
					12471		4	251.2	3132650	
					12666		5	502.4	6363399	
					12558		6	1004.8	12618380	
	6	5.31	5.29	5.33	16078	15434	1	25.12	403884	4.78
					14761		2	50.24	741603	
					14310		3	100.48	1437849	
					15891		4	251.2	3991745	
					15523		5	502.4	7798776	
					16043		6	1004.8	16119680	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.90	4.88	4.92	18066	17765	1	25.21	455452	3.51
					16715		2	50.41	842584	
					17291		3	100.82	1743321	
					18191		4	201.64	3668115	
					18276		5	504.1	9213071	
					18047		6	1008.2	18195280	
	2	5.31	5.29	5.33	22647	23344	1	25.21	570923	6.51
					21305		2	50.41	1074007	
					22932		3	100.82	2312021	
					22930		4	201.64	4623630	
					24787		5	504.1	12495320	
					25464		6	1008.2	25672700	
	3	5.38	5.36	5.40	11838	11815	1	25.21	298429	5.13
					10703		2	50.41	539531	
					11751		3	100.82	1184719	
					11886		4	201.64	2396598	
					12382		5	504.1	6241890	
					12332		6	1008.2	12433430	
	4	5.54	5.52	5.56	12188	12224	1	25.21	307259	4.10
					11389		2	50.41	574106	
					12284		3	100.82	1238424	
					12036		4	201.64	2426908	
					12643		5	504.1	6373273	
					12808		6	1008.2	12912830	
	5	5.78	5.76	5.80	28116	29082	1	25.21	708810	5.75
					27759		2	50.41	1399349	
					27839		3	100.82	2806721	
					28333		4	201.64	5713120	
					31373		5	504.1	15815260	
					31068		6	1008.2	31322890	
	6	5.98	5.96	6.00	18235	17877	1	25.21	459694	3.03
					16980		2	50.41	855953	
					17452		3	100.82	1759482	
					18352		4	201.64	3700410	
					18180		5	504.1	9164692	
					18063		6	1008.2	18210650	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

GC Column (1) : ZB MR1 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.37	5.35	5.39	19102	19102	1	200.8	3835671	.00
	2	5.54	5.52	5.56	16433	16433	1	200.8	3299822	.00
	3	5.77	5.75	5.79	34275	34275	1	200.8	6882490	.00
	4	5.98	5.96	6.00	22239	22239	1	200.8	4465690	.00
	5	6.03	6.01	6.05	10494	10494	1	200.8	2107157	.00
	6	6.40	6.38	6.42	11436	11436	1	200.8	2296310	.00
Aroclor-1268	1	5.98	5.96	6.00	41419	41419	1	201	8325168	.00
	2	6.03	6.01	6.05	35483	35483	1	201	7132076	.00
	3	6.17	6.15	6.19	32694	32694	1	201	6571516	.00
	4	6.23	6.21	6.25	8746	8746	1	201	1757974	.00
	5	6.40	6.38	6.42	12900	12900	1	201	2592923	.00
	6	6.60	6.58	6.62	100012	100012	1	201	20102440	.00

File Name: V:\CP7\07PCBS1729202.CAL
Version: 1

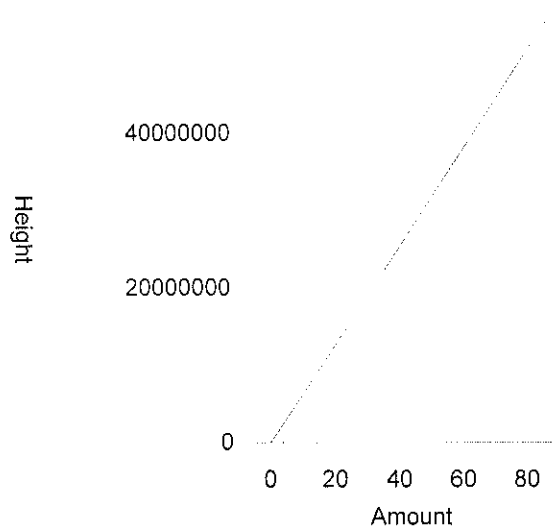
Creator:
Description:
Reason for change:

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: 3.029 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

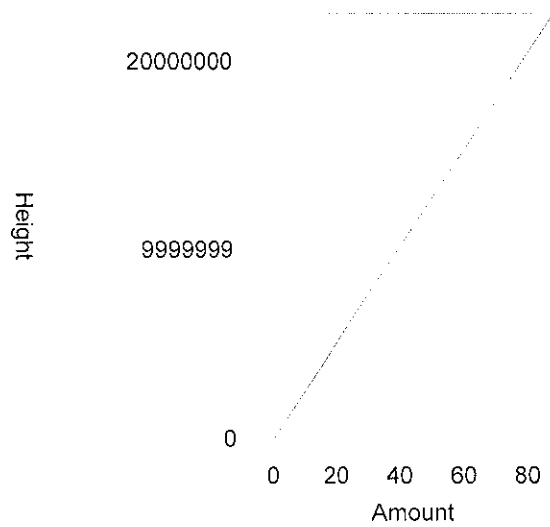
Single peak quantification by height

Y = 634956 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9976885
Average error: 3.567%
Average CF: 634956
RSD: 4.383%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	1233296	616648	-2.883	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0007.I
2	4	2371999	592999.8	-6.608	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0008.I
3	20	1.293448E+07	646724	1.853	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0009.I
4	40	2.648975E+07	662243.8	4.298	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0010.I
5	60.8	4.036162E+07	663842.4	4.549	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0011.I
6	80	5.018225E+07	627278.1	-1.209	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0012.I

2 DCB



Expected retention time:	6.752 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 = 255225.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9986055
Average error:	3.516%
Average CF:	255225.8
RSD:	4.659%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	554114.6	275678.9	8.014	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
2	4.02	983522.6	244657.4	-4.141	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
3	20.12	5010740	249042.7	-2.423	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
4	40.24	1.053045E+07	261691.1	2.533	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
5	61.16	1.500801E+07	245389.3	-3.854	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(
6	80.48	2.051396E+07	254895.1	-0.130	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0(

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene							2.75	2.72	2.78
Decachlorobiphenyl							6.32	6.29	6.35

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	CALIBRATION FACTORS							
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	%RSD
Tetrachloro-m-xylene	2.89E+05	2.73E+05	3.11E+05	3.10E+05	3.22E+05	3.17E+05	3.04E+05	6
Decachlorobiphenyl	2.54E+05	2.28E+05	2.27E+05	2.28E+05	2.28E+05	2.20E+05	2.31E+05	5

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.04	3.02	3.06	6022	5357	1	25.25	152050	7.77
					5477		2	50.5	276565	
					5369		3	101	542237	
					5424		4	202	1095576	
					5060		5	505	2555538	
					4793		6	1010	4840816	
	2	3.37	3.35	3.39	7348	6493	1	25.25	185538	7.66
					6513		2	50.5	328928	
					6438		3	101	650196	
					6574		4	202	1327960	
					6259		5	505	3160645	
					5828		6	1010	5886610	
	3	3.56	3.54	3.58	6846	6476	1	25.25	172867	3.71
					6247		2	50.5	315480	
					6447		3	101	651141	
					6661		4	202	1345573	
					6426		5	505	3245003	
					6229		6	1010	6291616	
	4	3.64	3.62	3.66	7257	6735	1	25.25	183238	4.01
					6521		2	50.5	329292	
					6593		3	101	665874	
					6741		4	202	1361661	
					6726		5	505	3396664	
					6576		6	1010	6641302	
	5	3.70	3.68	3.72	5665	5083	1	25.25	143035	5.80
					4938		2	50.5	249368	
					4966		3	101	501584	
					5035		4	202	1017037	
					5051		5	505	2550858	
					4842		6	1010	4890000	
	6	3.81	3.79	3.83	6314	5648	1	25.25	159425	6.28
					5674		2	50.5	286561	
					5614		3	101	566994	
					5558		4	202	1122691	
					5457		5	505	2755886	
					5274		6	1010	5326300	
Aroclor-1221	1	2.92	2.90	2.94	3144	3144	1	200.1	629041	.00
	2	2.98	2.96	3.00	1817	1817	1	200.1	363581	.00
	3	3.04	3.02	3.06	7967	7967	1	200.1	1594291	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.04	3.02	3.06	6302	6302	1	200.6	1264087	.00
	2	3.37	3.35	3.39	3020	3020	1	200.6	605846	.00
	3	3.56	3.54	3.58	3087	3087	1	200.6	619169	.00
	4	3.64	3.62	3.66	2938	2938	1	200.6	589341	.00
	5	3.70	3.68	3.72	1878	1878	1	200.6	376712	.00
	6	3.81	3.79	3.83	2295	2295	1	200.6	460471	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.04	3.02	3.06	5220	4609	1	25	130508	9.51
					4984		2	50	249200	
					4616		3	100	461647	
					4404		4	200	880778	
					4429		5	500	2214320	
					3999		6	1000	3999411	
	2	3.37	3.35	3.39	6212	5490	1	25	155312	9.31
					5967		2	50	298352	
					5475		3	100	547539	
					5189		4	200	1037886	
					5245		5	500	2622311	
					4852		6	1000	4852234	
	3	3.56	3.54	3.58	5990	5701	1	25	149758	4.45
					5980		2	50	299010	
					5678		3	100	567821	
					5543		4	200	1108501	
					5681		5	500	2840304	
					5335		6	1000	5334726	
	4	3.64	3.62	3.66	5856	5461	1	25	146388	5.41
					5664		2	50	283179	
					5292		3	100	529246	
					5306		4	200	1061190	
					5599		5	500	2799276	
					5051		6	1000	5050904	
	5	3.70	3.68	3.72	4458	3944	1	25	111452	8.27
					4195		2	50	209767	
					3898		3	100	389807	
					3692		4	200	738309	
					3829		5	500	1914738	
					3590		6	1000	3590158	
	6	3.81	3.79	3.83	5245	4638	1	25	131127	8.20
					4923		2	50	246155	
					4604		3	100	460405	
					4366		4	200	873189	
					4462		5	500	2230820	
					4228		6	1000	4228312	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.56	3.54	3.58	3624	3171	1	25.08	90902	7.85
					3192		2	50.16	160098	
					3206		3	100.32	321620	
					3089		4	200.64	619776	
					3006		5	501.6	1507870	
					2909		6	1003.2	2918628	
	2	3.64	3.62	3.66	4471	3846	1	25.08	112128	8.99
					3914		2	50.16	196333	
					3897		3	100.32	390947	
					3706		4	200.64	743515	
					3550		5	501.6	1780739	
					3541		6	1003.2	3551952	
	3	3.70	3.68	3.72	6392	5657	1	25.08	160307	7.57
					5861		2	50.16	293998	
					5693		3	100.32	571169	
					5406		4	200.64	1084619	
					5363		5	501.6	2690214	
					5228		6	1003.2	5244272	
	4	3.81	3.79	3.83	8677	7846	1	25.08	217618	6.46
					7935		2	50.16	398013	
					8091		3	100.32	811710	
					7585		4	200.64	1521832	
					7232		5	501.6	3627520	
					7559		6	1003.2	7583219	
	5	3.90	3.88	3.92	5311	4745	1	25.08	133190	7.12
					4804		2	50.16	240948	
					4918		3	100.32	493334	
					4535		4	200.64	909847	
					4445		5	501.6	2229382	
					4457		6	1003.2	4471372	
	6	4.04	4.02	4.06	10494	9883	1	25.08	263190	3.08
					9790		2	50.16	491090	
					9760		3	100.32	979081	
					9678		4	200.64	1941824	
					9739		5	501.6	4884966	
					9836		6	1003.2	9867307	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.36	4.34	4.38	8961	8319	1	25.12	225111	4.47
					8349		2	50.24	419471	
					8094		3	100.48	813291	
					8354		4	251.2	2098507	
					8311		5	502.4	4175533	
					7843		6	1004.8	7880221	
	2	4.42	4.40	4.44	15377	14440	1	25.12	386261	4.47
					14138		2	50.24	710306	
					13523		3	100.48	1358789	
					14897		4	251.2	3742232	
					14512		5	502.4	7290838	
					14190		6	1004.8	14258390	
	3	4.52	4.50	4.54	7871	6984	1	25.12	197732	7.72
					7330		2	50.24	368273	
					6855		3	100.48	688779	
					6854		4	251.2	1721657	
					6639		5	502.4	3335448	
					6356		6	1004.8	6386978	
	4	4.59	4.57	4.61	9299	8946	1	25.12	233601	3.22
					8847		2	50.24	444496	
					8519		3	100.48	855945	
					9230		4	251.2	2318512	
					8962		5	502.4	4502671	
					8818		6	1004.8	8860119	
	5	4.66	4.64	4.68	6328	5689	1	25.12	158947	7.42
					6034		2	50.24	303137	
					5590		3	100.48	561696	
					5642		4	251.2	1417264	
					5291		5	502.4	2658336	
					5248		6	1004.8	5272782	
	6	4.90	4.88	4.92	11219	10656	1	25.12	281831	3.73
					10427		2	50.24	523844	
					10216		3	100.48	1026480	
					10907		4	251.2	2739744	
					10858		5	502.4	5455214	
					10309		6	1004.8	10358360	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.66	4.64	4.68	14480	13480	1	25.21	365047	3.78
					13379		2	50.41	674453	
					13364		3	100.82	1347319	
					13174		4	201.64	2656316	
					13424		5	504.1	6766968	
					13060		6	1008.2	13166750	
	2	4.77	4.75	4.79	12157	11719	1	25.21	306490	2.21
					11621		2	50.41	585794	
					11511		3	100.82	1160530	
					11743		4	201.64	2367852	
					11838		5	504.1	5967649	
					11445		6	1008.2	11539020	
	3	4.90	4.88	4.92	13876	13357	1	25.21	349811	3.88
					12654		2	50.41	637881	
					13157		3	100.82	1326448	
					13119		4	201.64	2645216	
					14047		5	504.1	7081039	
					13293		6	1008.2	13401620	
	4	5.13	5.11	5.15	9321	8764	1	25.21	234995	3.46
					8461		2	50.41	426500	
					8591		3	100.82	866159	
					8621		4	201.64	1738339	
					8840		5	504.1	4456010	
					8751		6	1008.2	8822566	
	5	5.32	5.30	5.34	20538	20432	1	25.21	517760	2.98
					19727		2	50.41	994433	
					19895		3	100.82	2005767	
					20371		4	201.64	4107708	
					21440		5	504.1	10807980	
					20619		6	1008.2	20787940	
	6	5.58	5.56	5.60	13752	13756	1	25.21	346692	3.87
					13049		2	50.41	657779	
					13251		3	100.82	1335935	
					13935		4	201.64	2809915	
					14483		5	504.1	7301062	
					14068		6	1008.2	14183360	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

GC Column (2) : ZB MR2 ID: 0.32 (mm)

ICAL Date(s) Analyzed: 10/22/2017 10/22/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.93	4.91	4.95	12650	12650	1	200.8	2540197	.00
	2	5.13	5.11	5.15	13279	13279	1	200.8	2666502	.00
	3	5.32	5.30	5.34	24780	24780	1	200.8	4975868	.00
	4	5.54	5.52	5.56	9521	9521	1	200.8	1911755	.00
	5	5.58	5.56	5.60	17184	17184	1	200.8	3450604	.00
	6	5.96	5.94	5.98	9453	9453	1	200.8	1898204	.00
Aroclor-1268	1	5.54	5.52	5.56	29683	29683	1	201	5966195	.00
	2	5.58	5.56	5.60	30216	30216	1	201	6073437	.00
	3	5.74	5.72	5.76	25863	25863	1	201	5198502	.00
	4	5.81	5.79	5.83	6762	6762	1	201	1359156	.00
	5	5.96	5.94	5.98	10343	10343	1	201	2078852	.00
	6	6.16	6.14	6.18	85562	85562	1	201	17198000	.00

File Name: V:\CP7\07PCBS1729202b.CAL
Version: 2

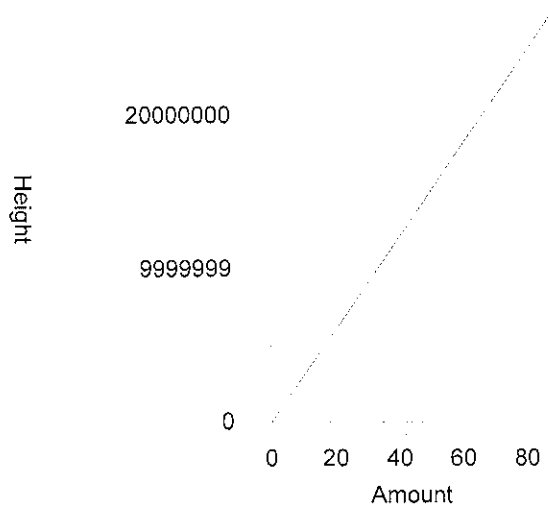
Creator:
Description:
Reason for change:

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: 2.749 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

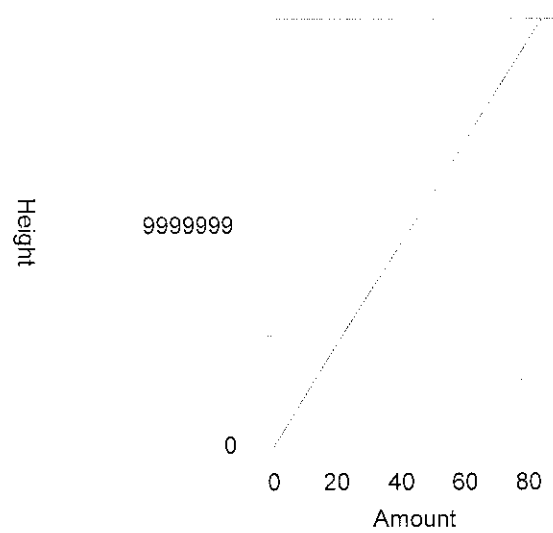
Single peak quantification by height

Y = 303548.4 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9953
Average error: 4.923%
Average CF: 303548.4
RSD: 6.122%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	578334.2	289167.1	-4.738	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0007
2	4	1092379	273094.8	-10.033	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0008
3	20	6222466	311123.3	2.495	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0009
4	40	1.238711E+07	309677.8	2.019	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0010
5	60.8	1.955655E+07	321653.8	5.965	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0011
6	80	2.532588E+07	316573.5	4.291	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.0012

2 DCB



Expected retention time:	6.32 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 = 230737.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9968589
Average error:	3.363%
Average CF:	230737.8
RSD:	5.112%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	510567.4	254013.6	10.088	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
2	4.02	916178.8	227905.2	-1.228	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
3	20.12	4558033	226542.4	-1.818	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
4	40.24	9178973	228105.7	-1.141	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
5	61.16	1.392703E+07	227714.7	-1.310	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(
6	80.48	1.771728E+07	220145.1	-4.591	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001B.(

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/06/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 0:03

Lab File ID: 25PCBS17309001.032.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: IC16XAA Init. Calib Date(s): 11/06/17 11/06/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	40.52	40.00	1
Decachlorobiphenyl	6.81	6.78	6.84	39.36	40.24	-2
Aroclor-1016	3.31	3.29	3.33	197.05	201.00	-2
	3.53	3.51	3.55	208.14	201.00	4
	3.65	3.63	3.67	205.12	201.00	2
	3.87	3.86	3.90	202.45	201.00	1
	3.93	3.92	3.96	200.12	201.00	0
	4.13	4.12	4.16	195.02	201.00	-3
Aroclor-1260	4.94	4.92	4.96	185.25	201.80	-8
	5.14	5.12	5.16	185.64	201.80	-8
	5.35	5.33	5.37	177.59	201.80	-12
	5.58	5.56	5.60	187.55	201.80	-7
	5.82	5.80	5.84	191.06	201.80	-5
	6.02	6.00	6.04	188.55	201.80	-7

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: 11/06/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 0:03

Lab File ID: 25PCBS17309001B.032.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: IC16XAA Init. Calib Date(s): 11/06/17 11/06/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	42.01	40.00	5
Decachlorobiphenyl	6.37	6.34	6.40	40.93	40.24	2
Aroclor-1016	3.07	3.05	3.09	199.98	201.00	-1
	3.40	3.38	3.42	205.77	201.00	2
	3.60	3.58	3.62	208.51	201.00	4
	3.67	3.66	3.70	204.06	201.00	2
	3.73	3.72	3.76	203.03	201.00	1
	3.84	3.83	3.87	196.78	201.00	-2
Aroclor-1260	4.70	4.69	4.73	183.54	201.80	-9
	4.81	4.80	4.84	187.96	201.80	-7
	4.95	4.93	4.97	183.86	201.80	-9
	5.18	5.16	5.20	191.39	201.80	-5
	5.37	5.35	5.39	199.11	201.80	-1
	5.63	5.61	5.65	191.31	201.80	-5

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/06/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 0:14

Lab File ID: 25PCBS17309001.033.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: IC48XAA Init. Calib Date(s): 11/06/17 11/06/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	40.37	40.00	1
Decachlorobiphenyl	6.81	6.78	6.84	37.51	40.24	-7
Aroclor-1248	3.88	3.85	3.89	185.40	200.60	-8
	3.94	3.92	3.96	184.44	200.60	-8
	4.01	3.98	4.02	190.56	200.60	-5
	4.23	4.21	4.25	195.50	200.60	-3
	4.41	4.39	4.43	202.20	200.60	1
	4.55	4.53	4.57	194.07	200.60	-3

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: 11/06/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 0:14

Lab File ID: 25PCBS17309001B.033.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: IC48XAA Init. Calib Date(s): 11/06/17 11/06/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	40.73	40.00	2
Decachlorobiphenyl	6.37	6.34	6.40	39.95	40.24	-1
Aroclor-1248	3.60	3.58	3.62	182.84	200.60	-9
	3.68	3.66	3.70	188.57	200.60	-6
	3.71	3.69	3.73	191.16	200.60	-5
	3.84	3.82	3.86	192.93	200.60	-4
	3.94	3.92	3.96	201.69	200.60	1
	4.08	4.06	4.10	199.40	200.60	-1

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/06/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 0:25

Lab File ID: 25PCBS17309001.034.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: IC54XAA Init. Calib Date(s): 11/06/17 11/06/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	20.34	20.15	1
Decachlorobiphenyl	6.81	6.78	6.84	19.63	20.19	-3
Aroclor-1254	4.75	4.73	4.77	219.73	250.00	-12
	4.82	4.79	4.83	218.45	250.00	-13
	4.94	4.92	4.96	217.22	250.00	-13
	5.04	5.01	5.05	219.54	250.00	-12
	5.24	5.22	5.26	217.82	250.00	-13
	5.35	5.33	5.37	215.03	250.00	-14

Compounds 8 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274B
Date Analyzed: 11/06/17
GC Column (2) : MR-2
ID: .32 (mm)
Time Analyzed: 0:25
Lab File ID: 25PCBS17309001B.034.RAW
Initial Calibration: 25PCBS1730901B
Lab Standard ID: IC54XAA
Init. Calib Date(s): 11/06/17 11/06/17
Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	20.33	20.15	1
Decachlorobiphenyl	6.37	6.34	6.40	19.96	20.19	-1
Aroclor-1254	4.40	4.38	4.42	221.69	250.00	-11
	4.46	4.45	4.49	224.53	250.00	-10
	4.56	4.54	4.58	221.84	250.00	-11
	4.63	4.62	4.66	220.63	250.00	-12
	4.87	4.85	4.89	227.06	250.00	-9
	4.95	4.93	4.97	225.37	250.00	-10

Compounds 8
Average of %D: 8

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/20/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:27

Lab File ID: 07PCBS17292001.0032.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	43.15	40.00	8
Decachlorobiphenyl	6.75	6.72	6.78	39.31	40.24	-2
Aroclor-1016	3.29	3.27	3.31	211.51	201.00	5
	3.50	3.48	3.52	218.42	201.00	9
	3.62	3.60	3.64	227.85	201.00	13
	3.84	3.82	3.86	215.76	201.00	7
	3.90	3.88	3.92	212.61	201.00	6
	4.10	4.08	4.12	203.76	201.00	1
Aroclor-1260	4.90	4.88	4.92	195.17	201.80	-3
	5.31	5.29	5.33	186.15	201.80	-8
	5.37	5.36	5.40	186.10	201.80	-8
	5.54	5.52	5.56	196.77	201.80	-2
	5.77	5.76	5.80	178.08	201.80	-12
	5.98	5.96	6.00	190.24	201.80	-6

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/20/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:27

Lab File ID: 07PCBS17292001B.0032.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	42.33	40.00	6
Decachlorobiphenyl	6.32	6.29	6.35	38.81	40.24	-4
Aroclor-1016	3.04	3.02	3.06	208.10	201.00	4
	3.37	3.35	3.39	214.79	201.00	7
	3.56	3.54	3.58	212.15	201.00	6
	3.64	3.62	3.66	204.59	201.00	2
	3.70	3.68	3.72	220.02	201.00	9
	3.80	3.79	3.83	202.10	201.00	1
Aroclor-1260	4.66	4.64	4.68	186.47	201.80	-8
	4.76	4.75	4.79	191.60	201.80	-5
	4.90	4.88	4.92	183.45	201.80	-9
	5.13	5.11	5.15	199.29	201.80	-1
	5.32	5.30	5.34	195.33	201.80	-3
	5.58	5.56	5.60	195.29	201.80	-3

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/20/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:38

Lab File ID: 07PCBS17292001.0033.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	41.33	40.00	3
Decachlorobiphenyl	6.75	6.72	6.78	36.71	40.24	-9
Aroclor-1248	3.84	3.82	3.86	201.57	200.60	0
	3.90	3.88	3.92	195.16	200.60	-3
	3.97	3.95	3.99	201.90	200.60	1
	4.10	4.08	4.12	196.93	200.60	-2
	4.19	4.17	4.21	204.39	200.60	2
	4.38	4.36	4.40	205.33	200.60	2

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/20/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:38

Lab File ID: 07PCBS17292001B.0033.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	41.00	40.00	3
Decachlorobiphenyl	6.32	6.29	6.35	35.67	40.24	-11
Aroclor-1248	3.56	3.54	3.58	205.66	200.60	3
	3.64	3.62	3.66	191.16	200.60	-5
	3.70	3.68	3.72	197.37	200.60	-2
	3.81	3.79	3.83	192.50	200.60	-4
	3.90	3.88	3.92	191.57	200.60	-5
	4.04	4.02	4.06	196.72	200.60	-2

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/20/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:49

Lab File ID: 07PCBS17292001.0034.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	20.78	20.15	3
Decachlorobiphenyl	6.75	6.72	6.78	18.55	20.19	-8
Aroclor-1254	4.71	4.69	4.73	234.56	250.00	-6
	4.78	4.76	4.80	231.28	250.00	-7
	4.90	4.88	4.92	233.58	250.00	-7
	4.99	4.97	5.01	232.08	250.00	-7
	5.19	5.17	5.21	226.15	250.00	-10
	5.31	5.29	5.33	238.31	250.00	-5

Compounds 8 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/20/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:49

Lab File ID: 07PCBS17292001B.0034.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	20.52	20.15	2
Decachlorobiphenyl	6.32	6.29	6.35	18.46	20.19	-9
Aroclor-1254	4.36	4.34	4.38	221.40	250.00	-11
	4.42	4.40	4.44	230.67	250.00	-8
	4.51	4.50	4.54	225.08	250.00	-10
	4.59	4.57	4.61	227.32	250.00	-9
	4.66	4.64	4.68	224.97	250.00	-10
	4.90	4.88	4.92	224.91	250.00	-10

Compounds 8 Average of %D: 9

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 1:55

Lab File ID: 25PCBS17309003.037.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: AR164WT Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	42.57	40.00	6
Decachlorobiphenyl	6.81	6.78	6.84	39.68	40.24	-1
Aroclor-1016	3.32	3.29	3.33	205.62	202.00	2
	3.54	3.51	3.55	198.47	202.00	-2
	3.65	3.63	3.67	204.67	202.00	1
	3.88	3.86	3.90	204.10	202.00	1
	3.94	3.92	3.96	199.13	202.00	-1
	4.14	4.12	4.16	200.23	202.00	-1
Aroclor-1260	4.95	4.92	4.96	199.06	201.64	-1
	5.15	5.12	5.16	208.91	201.64	4
	5.36	5.33	5.37	210.88	201.64	5
	5.58	5.56	5.60	191.78	201.64	-5
	5.82	5.80	5.84	200.35	201.64	-1
	6.03	6.00	6.04	193.11	201.64	-4

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: 11/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 1:55

Lab File ID: 25PCBS17309003B.037.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: AR164WT Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	41.86	40.00	5
Decachlorobiphenyl	6.37	6.34	6.40	39.13	40.24	-3
Aroclor-1016	3.07	3.05	3.09	204.18	202.00	1
	3.40	3.38	3.42	199.75	202.00	-1
	3.60	3.58	3.62	207.75	202.00	3
	3.68	3.66	3.70	201.27	202.00	0
	3.74	3.72	3.76	219.59	202.00	9
	3.85	3.83	3.87	196.49	202.00	-3
Aroclor-1260	4.71	4.69	4.73	201.66	201.64	0
	4.81	4.80	4.84	199.81	201.64	-1
	4.95	4.93	4.97	200.56	201.64	-1
	5.18	5.16	5.20	199.17	201.64	-1
	5.37	5.35	5.39	203.77	201.64	1
	5.63	5.61	5.65	204.85	201.64	2

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMB Sample ID: MB **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274A
Result file : 25PCBS17309003.038.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.21794
%SSR(DCB) : 100% (48-164) Conc.: 0.202588

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**57.02**	
3.29	3.33	3.33	6205.408	0.026163			1
3.51	3.53	3.55	1603.576	0.00674			2
3.63	3.65	3.67	3011.947	0.010147			3
3.86	3.88	3.90	2740.763	0.009071			4
3.92	3.94	3.96	4570.047	0.017193			5
Height Summation:			**18131.741**				
Amount Avg CF:			**0.013863**	Linear:			
Aroclor-1221					**3**	**156.28**	
3.19	3.23	3.23	881.0041	0.00775			1
3.25	3.26	3.29	39374.36	0.392349			2
3.30	3.33	3.34	6205.408	0.019686			3
Height Summation:			**46460.7721**				
Amount Avg CF:			**0.139928**	Linear:			
Aroclor-1232					**5**	**38.78**	
3.30	3.33	3.34	6205.408	0.024285			1
3.51	3.53	3.55	1603.576	0.015099			2
3.63	3.65	3.67	3011.947	0.022969			3
3.86	3.88	3.90	2740.763	0.020161			4
3.92	3.94	3.96	4570.047	0.040441			5
Height Summation:			**18131.741**				
Amount Avg CF:			**0.024591**	Linear:			
Aroclor-1242					**5**	**55.96**	
3.30	3.33	3.34	6205.408	0.03315			1
3.51	3.53	3.55	1603.576	0.008723			2
3.63	3.65	3.67	3011.947	0.013514			3
3.86	3.88	3.90	2740.763	0.011417			4
3.92	3.94	3.96	4570.047	0.023087			5
Height Summation:			**18131.741**				
Amount Avg CF:			**0.017979**	Linear:			
Aroclor-1248					**6**	**35.09**	
3.85	3.88	3.89	2740.763	0.017701			1
3.92	3.94	3.96	4570.047	0.031172			2
3.98	4.01	4.02	4374.193	0.017528			3
4.21	4.22	4.25	3646.936	0.015771			4
4.39	4.42	4.43	4499.105	0.017608			5
4.53	4.55	4.57	2971.885	0.011934			6
Height Summation:			**22802.929**				
Amount Avg CF:			**0.018619**	Linear:			
Aroclor-1254					**5**	**164.43**	
4.73	4.76	4.77	9319.269	0.032836			1
4.79	4.82	4.83	273.6288	0.000483			2
5.01	5.03	5.05	431.7357	0.001117			4
5.22	5.23	5.26	2060.438	0.006313			5
5.33	5.36	5.37	535.5132	0.001354			6
Height Summation:			**12620.5847**				
Amount Avg CF:			**0.00842**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274B
Result file : 25PCBS17309003B.038.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 0.214785
%SSR(DCB) : 102% (48-164) Conc.: 0.206793

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**83.27**	
3.05	3.07	3.09	763.0696	0.001852			1
+ 3.38	3.39	3.42	918.0704	0.001938			2
3.38	3.41	3.42	4679.337	0.00988			2
3.58	3.58	3.62	1362.202	0.003251			3
+ 3.58	3.61	3.62	960.1581	0.002291			3
+ 3.66	3.67	3.70	506.4009	0.001096			4
3.66	3.68	3.70	4770.108	0.010324			4
3.72	3.72	3.76	3365.407	0.009336			5
+ 3.72	3.75	3.76	1203.112	0.003337			5
3.83	3.85	3.87	9082.093	0.02527			6
Height Summation:			**24022.2166**				
Amount Avg CF:			**0.009985**	Linear:			
Aroclor-1221					**3**	**167.91**	
2.93	2.94	2.97	2311.801	0.010368			1
2.99	3.00	3.03	73037.9	0.56133			2
3.05	3.07	3.09	763.0696	0.001355			3
Height Summation:			**76112.7706**				
Amount Avg CF:			**0.191018**	Linear:			
Aroclor-1232					**6**	**88.12**	
3.05	3.07	3.09	763.0696	0.001695			1
+ 3.38	3.39	3.42	918.0704	0.004479			2
3.38	3.41	3.42	4679.337	0.02283			2
3.58	3.58	3.62	1362.202	0.006579			3
+ 3.58	3.61	3.62	960.1581	0.004637			3
+ 3.66	3.67	3.70	506.4009	0.002556			4
3.66	3.68	3.70	4770.108	0.024079			4
3.71	3.72	3.75	3365.407	0.025941			5
+ 3.71	3.75	3.75	1203.112	0.009274			5
3.82	3.85	3.86	9082.093	0.06109			6
Height Summation:			**24022.2166**				
Amount Avg CF:			**0.023702**	Linear:			
Aroclor-1242					**6**	**80.47**	
3.05	3.07	3.09	763.0696	0.002348			1
+ 3.38	3.39	3.42	918.0704	0.002558			2
3.38	3.41	3.42	4679.337	0.013038			2
3.58	3.58	3.62	1362.202	0.003798			3
+ 3.58	3.61	3.62	960.1581	0.002677			3
+ 3.66	3.67	3.70	506.4009	0.00139			4
3.66	3.68	3.70	4770.108	0.013096			4
3.71	3.72	3.75	3365.407	0.013198			5
+ 3.71	3.75	3.75	1203.112	0.004718			5
3.83	3.85	3.87	9082.093	0.031186			6
Height Summation:			**24022.2166**				
Amount Avg CF:			**0.012777**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMB Sample ID: MB **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274A
Result file : 25PCBS17309003.038.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**27.88**	
5.12	5.14	5.16	401.3657	0.001059			2
5.33	5.36	5.37	535.5132	0.001004			3
+ 5.80	5.80	5.84	454.0515	0.000598			5
5.80	5.82	5.84	458.795	0.000605			5
Height Summation:			**1395.6739**				
Amount Avg CF:			**0.000889**	Linear:			
Aroclor-1262					**2**	**131.05**	
5.40	5.41	5.44	6273.462	0.012602			1
+ 5.80	5.80	5.84	454.0515	0.000475			3
5.80	5.82	5.84	458.795	0.00048			3
Height Summation:			**6732.257**				
Amount Avg CF:			**0.006541**	Linear:			
Aroclor-1268					**3**	**96.28**	
6.19	6.22	6.23	11612.08	0.013838			3
6.26	6.28	6.30	10463.83	0.045072			4
6.64	6.66	6.68	17320.36	0.005769			6
Height Summation:			**39396.27**				
Amount Avg CF:			**0.02156**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274B
Result file : 25PCBS17309003B.038.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**41.13**	
3.58	3.58	3.62	1362.202	0.006683			1
+ 3.58	3.61	3.62	960.1581	0.004711			1
+ 3.66	3.67	3.70	506.4009	0.001917			2
3.66	3.68	3.70	4770.108	0.018059			2
+ 3.69	3.71	3.73	1828.039	0.004322			3
3.69	3.72	3.73	3365.407	0.007957			3
3.82	3.85	3.86	9082.093	0.018291			4
+ 3.92	3.93	3.96	4493.821	0.013161			5
3.92	3.96	3.96	4561.14	0.013358			5
+ 4.06	4.07	4.10	2253.719	0.003412			6
4.06	4.09	4.10	6297.424	0.009533			6
Height Summation:			**29438.374**				
Amount Avg CF:			**0.012313**	Linear:			
Aroclor-1254					**5**	**115.35**	
4.45	4.45	4.49	2492.918	0.002869			2
4.54	4.57	4.58	2264.6	0.005981			3
4.62	4.65	4.66	801.3303	0.00138			4
4.85	4.88	4.89	8712.659	0.021719			5
4.93	4.95	4.97	2401.449	0.004			6
Height Summation:			**16672.9563**				
Amount Avg CF:			**0.00719**	Linear:			
Aroclor-1260					**3**	**16.97**	
4.80	4.82	4.84	3040.022	0.004841			2
4.93	4.95	4.97	2401.449	0.003433			3
5.16	5.18	5.20	1929.384	0.004185			4
Height Summation:			**7370.855**				
Amount Avg CF:			**0.004153**	Linear:			
Aroclor-1262					**3**	**73.04**	
5.16	5.18	5.20	1929.384	0.00259			2
5.57	5.61	5.61	9926.683	0.018179			4
5.99	6.00	6.03	6090.953	0.011321			6
Height Summation:			**17947.02**				
Amount Avg CF:			**0.010697**	Linear:			
Aroclor-1268					**4**	**104.43**	
5.77	5.79	5.81	12575.78	0.010313			3
5.84	5.85	5.88	14230.54	0.045697			4
5.99	6.00	6.03	6090.953	0.011618			5
6.19	6.21	6.23	18157.59	0.004243			6
Height Summation:			**51054.863**				
Amount Avg CF:			**0.017968**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						32.52	4	40	
Aroclor-1221						30.87	3	5	
Aroclor-1232						3.68	4	10	
Aroclor-1242						33.82	4	30	
Aroclor-1248						** 40.77	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMB Sample ID: MB **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274A
Result file : 25PCBS17309003.038.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 02:06:18
Instrument : CP25--18274B
Result file : 25PCBS17309003B.038.RAW
Calibration file : 25PCBS1730901B.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-1254						15.76	4	40	
Aroclor-1260						** 129.46	4	40	
Aroclor-1262						** 48.22	4	40	
Aroclor-1268						18.17	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:36

Lab File ID: 25PCBS17309003.046.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: AR164WU Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	43.29	40.00	8
Decachlorobiphenyl	6.81	6.78	6.84	39.59	40.24	-2
Aroclor-1016	3.32	3.29	3.33	207.31	202.00	3
	3.53	3.51	3.55	200.31	202.00	-1
	3.65	3.63	3.67	204.77	202.00	1
	3.88	3.86	3.90	210.64	202.00	4
	3.94	3.92	3.96	202.73	202.00	0
	4.14	4.12	4.16	200.52	202.00	-1
Aroclor-1260	4.94	4.92	4.96	205.02	201.64	2
	5.15	5.12	5.16	197.52	201.64	-2
	5.35	5.33	5.37	206.93	201.64	3
	5.58	5.56	5.60	201.86	201.64	0
	5.82	5.80	5.84	209.85	201.64	4
	6.03	6.00	6.04	206.37	201.64	2

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: 11/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:36

Lab File ID: 25PCBS17309003B.046.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: AR164WU Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	42.78	40.00	7
Decachlorobiphenyl	6.37	6.34	6.40	40.35	40.24	0
Aroclor-1016	3.07	3.05	3.09	204.12	202.00	1
	3.40	3.38	3.42	199.27	202.00	-1
	3.60	3.58	3.62	210.55	202.00	4
	3.68	3.66	3.70	205.61	202.00	2
	3.74	3.72	3.76	225.99	202.00	12
	3.84	3.83	3.87	200.21	202.00	-1
Aroclor-1260	4.70	4.69	4.73	206.23	201.64	2
	4.81	4.80	4.84	200.51	201.64	-1
	4.95	4.93	4.97	202.56	201.64	0
	5.18	5.16	5.20	197.46	201.64	-2
	5.37	5.35	5.39	207.46	201.64	3
	5.63	5.61	5.65	208.95	201.64	4

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMC Sample ID: MC **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:47:59
Instrument : CP25--18274A
Result file : 25PCBS17309003.047.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 105% (61-152) Conc.: 0.212524
%SSR(DCB) : 103% (48-164) Conc.: 0.207092

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**59.64**	
3.29	3.33	3.33	4506.252	0.018999			1
3.51	3.54	3.55	1535.013	0.006452			2
3.63	3.65	3.67	2845.056	0.009584			3
3.86	3.88	3.90	2523.446	0.008351			4
3.92	3.94	3.96	4061.409	0.015279			5
4.12	4.13	4.15	434.8237	0.002294			6
Height Summation:			**15905.9997**				
Amount Avg CF:			**0.01016**	Linear:			
Aroclor-1221					**3**	**161.19**	
3.19	3.22	3.23	498.1076	0.004382			1
3.25	3.26	3.29	38507.48	0.38371			2
3.30	3.33	3.34	4506.252	0.014296			3
Height Summation:			**43511.8396**				
Amount Avg CF:			**0.134129**	Linear:			
Aroclor-1232					**6**	**52.85**	
3.30	3.33	3.34	4506.252	0.017635			1
3.51	3.54	3.55	1535.013	0.014453			2
3.63	3.65	3.67	2845.056	0.021696			3
3.86	3.88	3.90	2523.446	0.018562			4
3.92	3.94	3.96	4061.409	0.03594			5
4.12	4.13	4.16	434.8237	0.005416			6
Height Summation:			**15905.9997**				
Amount Avg CF:			**0.018951**	Linear:			
Aroclor-1242					**6**	**59.76**	
3.30	3.33	3.34	4506.252	0.024073			1
3.51	3.54	3.55	1535.013	0.00835			2
3.63	3.65	3.67	2845.056	0.012765			3
3.86	3.88	3.90	2523.446	0.010512			4
3.92	3.94	3.96	4061.409	0.020518			5
4.12	4.13	4.16	434.8237	0.00284			6
Height Summation:			**15905.9997**				
Amount Avg CF:			**0.013177**	Linear:			
Aroclor-1248					**6**	**52.85**	
3.85	3.88	3.89	2523.446	0.016298			1
3.92	3.94	3.96	4061.409	0.027703			2
3.98	4.00	4.02	3085.267	0.012363			3
+ 4.21	4.22	4.25	1102.199	0.004767			4
4.21	4.23	4.25	1119.206	0.00484			4
4.39	4.42	4.43	4406.108	0.017244			5
4.53	4.56	4.57	2480.22	0.00996			6
Height Summation:			**17675.656**				
Amount Avg CF:			**0.014735**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:47:59
Instrument : CP25--18274B
Result file : 25PCBS17309003B.047.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 0.210151
%SSR(DCB) : 101% (48-164) Conc.: 0.204369

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**17.85**	
3.05	3.07	3.09	3072.34	0.007457			1
+ 3.05	3.09	3.09	678.8284	0.001648			1
3.38	3.41	3.42	4766.484	0.010064			2
+ 3.58	3.59	3.62	633.7381	0.001512			3
3.58	3.61	3.62	2778.362	0.00663			3
+ 3.66	3.66	3.70	440.0686	0.000952			4
3.66	3.68	3.70	3749.696	0.008116			4
3.72	3.72	3.76	2684.606	0.007447			5
+ 3.72	3.75	3.76	1156.17	0.003207			5
3.83	3.84	3.87	3671.028	0.010214			6
Height Summation:			**20722.516**				
Amount Avg CF:			**0.008321**	Linear:			
Aroclor-1221					**3**	**163.40**	
2.93	2.94	2.97	3649.499	0.016367			1
2.99	3.00	3.03	72215.57	0.55501			2
3.05	3.07	3.09	3072.34	0.005457			3
Height Summation:			**78937.409**				
Amount Avg CF:			**0.192278**	Linear:			
Aroclor-1232					**6**	**37.45**	
3.05	3.07	3.09	3072.34	0.006826			1
3.38	3.41	3.42	4766.484	0.023255			2
+ 3.58	3.59	3.62	633.7381	0.003061			3
3.58	3.61	3.62	2778.362	0.013418			3
+ 3.66	3.66	3.70	808.2598	0.00408			4
+ 3.66	3.66	3.70	440.0686	0.002221			4
3.66	3.68	3.70	3749.696	0.018928			4
3.71	3.72	3.75	2684.606	0.020693			5
+ 3.71	3.75	3.75	1156.17	0.008912			5
3.82	3.84	3.86	3671.028	0.024693			6
Height Summation:			**20722.516**				
Amount Avg CF:			**0.017969**	Linear:			
Aroclor-1242					**6**	**19.12**	
3.05	3.07	3.09	3072.34	0.009455			1
3.38	3.41	3.42	4766.484	0.013281			2
+ 3.58	3.59	3.62	633.7381	0.001767			3
3.58	3.61	3.62	2778.362	0.007747			3
+ 3.66	3.66	3.70	808.2598	0.002219			4
+ 3.66	3.66	3.70	440.0686	0.001208			4
3.66	3.68	3.70	3749.696	0.010295			4
3.71	3.72	3.75	2684.606	0.010528			5
+ 3.71	3.75	3.75	1156.17	0.004534			5
3.83	3.84	3.87	3671.028	0.012606			6
Height Summation:			**20722.516**				
Amount Avg CF:			**0.010652**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMC Sample ID: MC **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:47:59
Instrument : CP25--18274A
Result file : 25PCBS17309003.047.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**156.30**	
4.73	4.75	4.77	10339.99	0.036433			1
4.79	4.83	4.83	563.7347	0.000994			2
5.01	5.03	5.05	667.4556	0.001726			4
5.22	5.23	5.26	2602.251	0.007973			5
5.33	5.36	5.37	593.6454	0.001501			6
Height Summation:			**14767.0767**				
Amount Avg CF:			**0.009725**	Linear:			
Aroclor-1260					**4**	**116.52**	
5.12	5.16	5.16	832.5309	0.002197			2
5.33	5.36	5.37	593.6454	0.001113			3
5.56	5.57	5.60	2354.266	0.008177			4
5.80	5.81	5.84	426.3618	0.000562			5
Height Summation:			**4206.8041**				
Amount Avg CF:			**0.003012**	Linear:			
Aroclor-1262					**4**	**69.03**	
5.40	5.41	5.44	5064.953	0.010174			1
5.56	5.57	5.60	2354.266	0.005595			2
+ 5.56	5.60	5.60	737.8035	0.001753			2
5.80	5.81	5.84	426.3618	0.000446			3
6.00	6.04	6.04	4954.457	0.008135			4
Height Summation:			**12800.0378**				
Amount Avg CF:			**0.006087**	Linear:			
Aroclor-1268					**3**	**98.36**	
6.19	6.21	6.23	11922.81	0.014208			3
6.26	6.28	6.30	11084.29	0.047745			4
6.64	6.66	6.68	17322.19	0.00577			6
Height Summation:			**40329.29**				
Amount Avg CF:			**0.022574**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:47:59
Instrument : CP25--18274B
Result file : 25PCBS17309003B.047.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**28.27**	
+ 3.58	3.59	3.62	633.7381	0.003109			1
3.58	3.61	3.62	2778.362	0.013632			1
+ 3.66	3.66	3.70	808.2598	0.00306			2
+ 3.66	3.66	3.70	440.0686	0.001666			2
3.66	3.68	3.70	3749.696	0.014196			2
3.69	3.70	3.73	4341.772	0.010266			3
+ 3.69	3.72	3.73	2684.606	0.006347			3
3.82	3.84	3.86	3671.028	0.007393			4
+ 3.92	3.93	3.96	3980.608	0.011658			5
3.92	3.96	3.96	4969.789	0.014555			5
+ 4.06	4.07	4.10	2196.926	0.003326			6
4.06	4.09	4.10	5303.351	0.008028			6
Height Summation:			**24813.998**				
Amount Avg CF:			**0.011345**	Linear:			
Aroclor-1254					**5**	**152.76**	
4.38	4.42	4.42	5605.936	0.011759			1
4.45	4.45	4.49	2034.47	0.002342			2
4.54	4.57	4.58	3026.108	0.007992			3
4.85	4.88	4.89	29574.08	0.073724			5
4.93	4.95	4.97	2097.809	0.003495			6
Height Summation:			**42338.403**				
Amount Avg CF:			**0.019862**	Linear:			
Aroclor-1260					**2**	**28.37**	
4.80	4.82	4.84	1253.872	0.001997			2
4.93	4.95	4.97	2097.809	0.002999			3
Height Summation:			**3351.681**				
Amount Avg CF:			**0.002498**	Linear:			
Aroclor-1262					**2**	**93.58**	
5.57	5.61	5.61	28126.45	0.05151			4
5.99	5.99	6.03	136133.1	0.253035			6
Height Summation:			**164259.55**				
Amount Avg CF:			**0.152272**	Linear:			
Aroclor-1268					**3**	**150.94**	
5.57	5.61	5.61	28126.45	0.018563			1
5.99	5.99	6.03	136133.1	0.259659			5
6.19	6.21	6.23	25451.31	0.005948			6
Height Summation:			**189710.86**				
Amount Avg CF:			**0.094723**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						19.90	4	40	
Aroclor-1221						35.63	3	5	
Aroclor-1232						5.32	4	10	
Aroclor-1242						21.19	4	30	
Aroclor-1248						26.00	4	40	
Aroclor-1254						** 68.52	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMC Sample ID: MC **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Nov 14, 2017 03:47:59
Instrument	: CP25--18274A
Result file	: 25PCBS17309003.047.RAW
Calibration file	: 25PCBS1730901.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Nov 14, 2017 03:47:59
Instrument	: CP25--18274B
Result file	: 25PCBS17309003B.047.RAW
Calibration file	: 25PCBS1730901B.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-1260						18.66	4	40	
Aroclor-1262						** 184.62	4	40	
Aroclor-1268						** 123.02	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 7:45

Lab File ID: 25PCBS17309003.068.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: AR164WV Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	41.94	40.00	5
Decachlorobiphenyl	6.81	6.78	6.84	37.48	40.24	-7
Aroclor-1016	3.32	3.29	3.33	202.25	202.00	0
	3.54	3.51	3.55	198.30	202.00	-2
	3.65	3.63	3.67	196.92	202.00	-3
	3.88	3.86	3.90	199.23	202.00	-1
	3.94	3.92	3.96	194.98	202.00	-3
	4.14	4.12	4.16	190.86	202.00	-6
Aroclor-1260	4.94	4.92	4.96	183.42	201.64	-9
	5.15	5.12	5.16	184.02	201.64	-9
	5.35	5.33	5.37	175.85	201.64	-13
	5.58	5.56	5.60	178.34	201.64	-12
	5.82	5.80	5.84	175.21	201.64	-13
	6.03	6.00	6.04	179.73	201.64	-11

Compounds 14 Average of %D: 7

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 11/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 7:45

Lab File ID: 25PCBS17309003B.068.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: AR164WV Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	42.61	40.00	7
Decachlorobiphenyl	6.37	6.34	6.40	37.21	40.24	-8
Aroclor-1016	3.07	3.05	3.09	199.21	202.00	-1
	3.40	3.38	3.42	195.26	202.00	-3
	3.60	3.58	3.62	202.99	202.00	0
	3.68	3.66	3.70	201.76	202.00	0
	3.74	3.72	3.76	220.58	202.00	9
	3.85	3.83	3.87	192.31	202.00	-5
Aroclor-1260	4.70	4.69	4.73	184.11	201.64	-9
	4.81	4.80	4.84	181.96	201.64	-10
	4.95	4.93	4.97	189.42	201.64	-6
	5.18	5.16	5.20	184.81	201.64	-8
	5.37	5.35	5.39	188.76	201.64	-6
	5.63	5.61	5.65	182.78	201.64	-9

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMD Sample ID: MD **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274A
Result file : 25PCBS17309003.069.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 0.203845
%SSR(DCB) : 93% (48-164) Conc.: 0.187772

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**47.85**	
3.29	3.33	3.33	4724.647	0.01992			1
3.51	3.54	3.55	1606.609	0.006753			2
3.63	3.65	3.67	2767.106	0.009322			3
3.86	3.88	3.90	2522.2	0.008347			4
3.92	3.94	3.96	4641.463	0.017462			5
Height Summation:			**16262.025**				
Amount Avg CF:			**0.012361**	Linear:			
Aroclor-1221					**2**	**130.21**	
3.25	3.26	3.29	36439.52	0.363104			2
3.30	3.33	3.34	4724.647	0.014989			3
Height Summation:			**41164.167**				
Amount Avg CF:			**0.189046**	Linear:			
Aroclor-1232					**5**	**45.46**	
3.30	3.33	3.34	4724.647	0.01849			1
3.51	3.54	3.55	1606.609	0.015127			2
3.63	3.65	3.67	2767.106	0.021102			3
3.86	3.88	3.90	2522.2	0.018553			4
3.92	3.94	3.96	4641.463	0.041073			5
Height Summation:			**16262.025**				
Amount Avg CF:			**0.022869**	Linear:			
Aroclor-1242					**5**	**47.85**	
3.30	3.33	3.34	4724.647	0.02524			1
3.51	3.54	3.55	1606.609	0.00874			2
3.63	3.65	3.67	2767.106	0.012415			3
3.86	3.88	3.90	2522.2	0.010507			4
3.92	3.94	3.96	4641.463	0.023448			5
Height Summation:			**16262.025**				
Amount Avg CF:			**0.01607**	Linear:			
Aroclor-1248					**6**	**92.28**	
3.85	3.88	3.89	2522.2	0.01629			1
3.92	3.94	3.96	4641.463	0.031659			2
+ 3.98	3.98	4.02	1845.764	0.007396			3
3.98	4.01	4.02	3022.022	0.012109			3
4.21	4.23	4.25	3324.452	0.014377			4
4.39	4.43	4.43	19233.29	0.075275			5
4.53	4.56	4.57	2915.952	0.011709			6
Height Summation:			**35659.379**				
Amount Avg CF:			**0.026903**	Linear:			
Aroclor-1254					**4**	**149.36**	
4.73	4.76	4.77	9366.94	0.033004			1
5.01	5.04	5.05	435.1211	0.001125			4
5.22	5.23	5.26	1868.802	0.005725			5
5.33	5.37	5.37	462.2321	0.001169			6
Height Summation:			**12133.0952**				
Amount Avg CF:			**0.010256**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274B
Result file : 25PCBS17309003B.069.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 103% (61-152) Conc.: 0.20854
%SSR(DCB) : 96% (48-164) Conc.: 0.193761

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**33.20**	
3.05	3.07	3.09	2243.385	0.005445			1
+ 3.05	3.08	3.09	678.1101	0.001646			1
+ 3.38	3.39	3.42	1161.218	0.002452			2
3.38	3.41	3.42	4447.968	0.009392			2
+ 3.58	3.59	3.62	914.4545	0.002182			3
3.58	3.61	3.62	2458.079	0.005866			3
3.66	3.68	3.70	5421.827	0.011735			4
3.72	3.72	3.76	3675.261	0.010195			5
+ 3.72	3.75	3.76	1211.866	0.003362			5
3.83	3.84	3.87	4690.327	0.01305			6
Height Summation:			**22936.847**				
Amount Avg CF:			**0.00928**	Linear:			
Aroclor-1221					**3**	**166.44**	
2.93	2.95	2.97	2292.062	0.010279			1
2.99	3.00	3.03	69326.47	0.532806			2
3.05	3.07	3.09	2243.385	0.003984			3
+ 3.05	3.08	3.09	678.1101	0.001204			3
Height Summation:			**73861.917**				
Amount Avg CF:			**0.182356**	Linear:			
Aroclor-1232					**6**	**49.83**	
3.05	3.07	3.09	2243.385	0.004984			1
+ 3.05	3.08	3.09	678.1101	0.001507			1
+ 3.38	3.39	3.42	1161.218	0.005666			2
3.38	3.41	3.42	4447.968	0.021701			2
+ 3.58	3.59	3.62	914.4545	0.004416			3
3.58	3.61	3.62	2458.079	0.011871			3
3.66	3.68	3.70	5421.827	0.027369			4
3.71	3.72	3.75	3675.261	0.028329			5
+ 3.71	3.75	3.75	1211.866	0.009341			5
3.82	3.84	3.86	4690.327	0.031549			6
Height Summation:			**22936.847**				
Amount Avg CF:			**0.020967**	Linear:			
Aroclor-1242					**6**	**34.28**	
3.05	3.07	3.09	2243.385	0.006904			1
+ 3.05	3.08	3.09	678.1101	0.002087			1
+ 3.38	3.39	3.42	1161.218	0.003235			2
3.38	3.41	3.42	4447.968	0.012393			2
+ 3.58	3.59	3.62	914.4545	0.00255			3
3.58	3.61	3.62	2458.079	0.006854			3
3.66	3.68	3.70	5421.827	0.014885			4
3.71	3.72	3.75	3675.261	0.014413			5
+ 3.71	3.75	3.75	1211.866	0.004752			5
3.83	3.84	3.87	4690.327	0.016106			6
Height Summation:			**22936.847**				
Amount Avg CF:			**0.011926**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKMD Sample ID: MD **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274A
Result file : 25PCBS17309003.069.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					2	7.76	
5.12	5.15	5.16	294.2557	0.000776			2
5.33	5.37	5.37	462.2321	0.000866			3
Height Summation:			**756.4878**				
Amount Avg CF:			**0.000821**	Linear:			
Aroclor-1262					1		
5.40	5.41	5.44	4494.433	0.009028			1
Height Summation:			**4494.433**				
Amount Avg CF:			**0.009028**	Linear:			
Aroclor-1268					3	90.72	
6.19	6.21	6.23	10369.81	0.012357			3
6.26	6.28	6.30	8351.041	0.035972			4
6.64	6.66	6.68	15246.06	0.005078			6
Height Summation:			**33966.911**				
Amount Avg CF:			**0.017802**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274B
Result file : 25PCBS17309003B.069.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	130.51	
+ 3.58	3.59	3.62	914.4545	0.004487			1
3.58	3.61	3.62	2458.079	0.01206			1
3.66	3.68	3.70	5421.827	0.020526			2
+ 3.69	3.70	3.73	872.0328	0.002062			3
3.69	3.72	3.73	3675.261	0.00869			3
3.82	3.84	3.86	4690.327	0.009446			4
3.92	3.94	3.96	32199.75	0.094305			5
+ 3.92	3.96	3.96	2943.088	0.00862			5
+ 4.06	4.07	4.10	3230.144	0.00489			6
4.06	4.09	4.10	6818.104	0.010321			6
Height Summation:			**55263.348**				
Amount Avg CF:			**0.025891**	Linear:			
Aroclor-1254					4	83.91	
4.38	4.41	4.42	2820.822	0.005917			1
+ 4.45	4.45	4.49	1206.466	0.001389			2
4.45	4.47	4.49	16779.14	0.019313			2
4.54	4.57	4.58	2383.639	0.006295			3
4.85	4.87	4.89	1228.645	0.003063			5
Height Summation:			**23212.246**				
Amount Avg CF:			**0.008647**	Linear:			
Aroclor-1260					3	40.28	
4.80	4.82	4.84	3401.407	0.005417			2
5.16	5.18	5.20	2070.844	0.004491			4
5.61	5.64	5.65	1585.602	0.002244			6
Height Summation:			**7057.853**				
Amount Avg CF:			**0.004051**	Linear:			
Aroclor-1262					4	37.53	
4.96	5.00	5.00	2737.719	0.003871			1
5.16	5.18	5.20	2070.844	0.00278			2
5.57	5.60	5.61	2240.452	0.004103			4
5.61	5.64	5.65	1585.602	0.001579			5
Height Summation:			**8634.617**				
Amount Avg CF:			**0.003083**	Linear:			
Aroclor-1268					5	155.70	
5.57	5.60	5.61	2240.452	0.001479			1
5.61	5.64	5.65	1585.602	0.001076			2
5.77	5.79	5.81	14012.53	0.011492			3
5.84	5.85	5.88	17534.82	0.056307			4
6.19	6.21	6.23	21005.48	0.004909			6
Height Summation:			**56378.884**				
Amount Avg CF:			**0.015052**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						28.47	4	40	
Aroclor-1221						3.60	3	5	
Aroclor-1232						8.68	4	10	
Aroclor-1242						29.61	4	30	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKMD Sample ID: MD **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274A
Result file : 25PCBS17309003.069.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 07:56:26
Instrument : CP25--18274B
Result file : 25PCBS17309003B.069.RAW
Calibration file : 25PCBS1730901B.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-1248						3.83	4	40	
Aroclor-1254						17.03	4	40	
Aroclor-1260						** 132.56	4	40	
Aroclor-1262						** 98.17	4	40	
Aroclor-1268						16.74	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 11/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 8:41

Lab File ID: 25PCBS17309003.073.RAW Initial Calibration: 25PCBS1730901

Lab Standard ID: AR164WW Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.06	3.03	3.09	41.75	40.00	4
Decachlorobiphenyl	6.81	6.78	6.84	39.41	40.24	-2
Aroclor-1016	3.32	3.29	3.33	205.86	202.00	2
	3.54	3.51	3.55	198.77	202.00	-2
	3.66	3.63	3.67	198.74	202.00	-2
	3.88	3.86	3.90	204.24	202.00	1
	3.94	3.92	3.96	202.43	202.00	0
	4.14	4.12	4.16	203.83	202.00	1
Aroclor-1260	4.95	4.92	4.96	194.13	201.64	-4
	5.15	5.12	5.16	195.54	201.64	-3
	5.36	5.33	5.37	186.13	201.64	-8
	5.58	5.56	5.60	194.45	201.64	-4
	5.82	5.80	5.84	203.51	201.64	1
	6.03	6.00	6.04	197.07	201.64	-2

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: 11/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 8:41

Lab File ID: 25PCBS17309003B.073.RAW Initial Calibration: 25PCBS1730901B

Lab Standard ID: AR164WW Init. Calib Date(s): 11/07/17 11/07/17

Calibration: 25PCBS1730901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.78	2.75	2.81	42.89	40.00	7
Decachlorobiphenyl	6.37	6.34	6.40	42.19	40.24	5
Aroclor-1016	3.07	3.05	3.09	207.92	202.00	3
	3.40	3.38	3.42	202.20	202.00	0
	3.60	3.58	3.62	213.78	202.00	6
	3.68	3.66	3.70	203.78	202.00	1
	3.74	3.72	3.76	222.88	202.00	10
	3.85	3.83	3.87	197.40	202.00	-2
Aroclor-1260	4.71	4.69	4.73	199.56	201.64	-1
	4.82	4.80	4.84	200.60	201.64	-1
	4.95	4.93	4.97	204.37	201.64	1
	5.18	5.16	5.20	201.53	201.64	0
	5.37	5.35	5.39	207.56	201.64	3
	5.63	5.61	5.65	208.59	201.64	3

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKME Sample ID: ME **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274A
Result file : 25PCBS17309003.074.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 104% (61-152) Conc.: 0.209324
%SSR(DCB) : 103% (48-164) Conc.: 0.207203

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	83.23	
3.29	3.33	3.33	6744.054	0.028434			1
3.51	3.54	3.55	1299.752	0.005463			2
3.63	3.65	3.67	2470.156	0.008321			3
3.86	3.88	3.90	2493.309	0.008252			4
3.92	3.94	3.96	4414.738	0.016609			5
4.12	4.13	4.15	385.4519	0.002033			6
Height Summation:			**17807.4609**				
Amount Avg CF:			**0.011519**	Linear:			
Aroclor-1221					2	125.99	
3.25	3.26	3.29	37220.12	0.370882			2
3.30	3.33	3.34	6744.054	0.021395			3
Height Summation:			**43964.174**				
Amount Avg CF:			**0.196139**	Linear:			
Aroclor-1232					6	59.31	
3.30	3.33	3.34	6744.054	0.026393			1
3.51	3.54	3.55	1299.752	0.012238			2
3.63	3.65	3.67	2470.156	0.018837			3
3.86	3.88	3.90	2493.309	0.01834			4
3.92	3.94	3.96	4414.738	0.039067			5
4.12	4.13	4.16	385.4519	0.004801			6
Height Summation:			**17807.4609**				
Amount Avg CF:			**0.019946**	Linear:			
Aroclor-1242					6	82.25	
3.30	3.33	3.34	6744.054	0.036028			1
3.51	3.54	3.55	1299.752	0.007071			2
3.63	3.65	3.67	2470.156	0.011083			3
3.86	3.88	3.90	2493.309	0.010386			4
3.92	3.94	3.96	4414.738	0.022303			5
4.12	4.13	4.16	385.4519	0.002518			6
Height Summation:			**17807.4609**				
Amount Avg CF:			**0.014898**	Linear:			
Aroclor-1248					6	50.54	
3.85	3.88	3.89	2493.309	0.016103			1
3.92	3.94	3.96	4414.738	0.030113			2
+ 3.98	3.98	4.02	1539.552	0.006169			3
3.98	4.01	4.02	4258.752	0.017065			3
4.21	4.23	4.25	3064.647	0.013253			4
4.39	4.43	4.43	9303.997	0.036414			5
4.53	4.55	4.57	2517.604	0.01011			6
Height Summation:			**26053.047**				
Amount Avg CF:			**0.02051**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274B
Result file : 25PCBS17309003B.074.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 0.208822
%SSR(DCB) : 99% (48-164) Conc.: 0.200873

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	27.37	
3.05	3.07	3.09	2564.093	0.006223			1
3.38	3.41	3.42	4719.615	0.009965			2
+ 3.58	3.58	3.62	1631.109	0.003892			3
3.58	3.61	3.62	2367.863	0.005651			3
+ 3.66	3.66	3.70	803.3069	0.001739			4
3.66	3.68	3.70	4869.089	0.010538			4
3.72	3.72	3.76	2993.876	0.008305			5
+ 3.72	3.75	3.76	1245.048	0.003454			5
3.83	3.84	3.87	4126.527	0.011482			6
Height Summation:			**21641.063**				
Amount Avg CF:			**0.008694**	Linear:			
Aroclor-1221					3	165.46	
2.93	2.94	2.97	2841.695	0.012744			1
2.99	3.00	3.03	73158.4	0.562256			2
3.05	3.07	3.09	2564.093	0.004554			3
Height Summation:			**78564.188**				
Amount Avg CF:			**0.193185**	Linear:			
Aroclor-1232					6	44.93	
3.05	3.07	3.09	2564.093	0.005696			1
3.38	3.41	3.42	4719.615	0.023027			2
+ 3.58	3.58	3.62	1631.109	0.007877			3
3.58	3.61	3.62	2367.863	0.011435			3
+ 3.66	3.66	3.70	803.3069	0.004055			4
3.66	3.68	3.70	4869.089	0.024578			4
3.71	3.72	3.75	2993.876	0.023077			5
+ 3.71	3.75	3.75	1245.048	0.009597			5
3.82	3.84	3.86	4126.527	0.027757			6
Height Summation:			**21641.063**				
Amount Avg CF:			**0.019262**	Linear:			
Aroclor-1242					6	28.26	
3.05	3.07	3.09	2564.093	0.007891			1
3.38	3.41	3.42	4719.615	0.01315			2
+ 3.58	3.58	3.62	1631.109	0.004548			3
3.58	3.61	3.62	2367.863	0.006602			3
+ 3.66	3.66	3.70	803.3069	0.002205			4
3.66	3.68	3.70	4869.089	0.013368			4
3.71	3.72	3.75	2993.876	0.011741			5
+ 3.71	3.75	3.75	1245.048	0.004883			5
3.83	3.84	3.87	4126.527	0.01417			6
Height Summation:			**21641.063**				
Amount Avg CF:			**0.011154**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKME Sample ID: ME **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274A
Result file : 25PCBS17309003.074.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**163.68**	
4.73	4.76	4.77	10353.15	0.036479			1
4.79	4.82	4.83	450.8264	0.000795			2
5.01	5.04	5.05	375.2793	0.000971			4
5.22	5.23	5.26	2587.416	0.007927			5
5.33	5.36	5.37	376.6337	0.000953			6
Height Summation:			**14143.3054**				
Amount Avg CF:			**0.009425**	Linear:			
Aroclor-1260					**1**		
5.33	5.36	5.37	376.6337	0.000706			3
Height Summation:			**376.6337**				
Amount Avg CF:			**0.000706**	Linear:			
Aroclor-1262					**1**		
5.40	5.41	5.44	5938.419	0.011929			1
Height Summation:			**5938.419**				
Amount Avg CF:			**0.011929**	Linear:			
Aroclor-1268					**3**	**91.15**	
6.19	6.22	6.23	10220.21	0.012179			3
6.26	6.28	6.30	8626.301	0.037157			4
6.64	6.66	6.68	16625.65	0.005538			6
Height Summation:			**35472.161**				
Amount Avg CF:			**0.018291**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274B
Result file : 25PCBS17309003B.074.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**71.29**	
+ 3.58	3.58	3.62	1631.109	0.008003			1
3.58	3.61	3.62	2367.863	0.011617			1
+ 3.66	3.66	3.70	803.3069	0.003041			2
3.66	3.68	3.70	4869.089	0.018434			2
+ 3.69	3.70	3.73	358.8073	0.000848			3
+ 3.69	3.71	3.73	448.1039	0.001059			3
3.69	3.72	3.73	2993.876	0.007079			3
3.82	3.84	3.86	4126.527	0.008311			4
3.92	3.94	3.96	12327.12	0.036103			5
+ 3.92	3.96	3.96	3264.119	0.00956			5
+ 4.06	4.07	4.10	2757.598	0.004174			6
4.06	4.09	4.10	6868.782	0.010397			6
Height Summation:			**33553.257**				
Amount Avg CF:			**0.015323**	Linear:			
Aroclor-1254					**4**	**36.56**	
4.38	4.42	4.42	2766.991	0.005804			1
+ 4.45	4.45	4.49	932.9374	0.001074			2
4.45	4.47	4.49	6983.286	0.008038			2
4.54	4.57	4.58	1965.956	0.005192			3
4.85	4.86	4.89	1250.593	0.003118			5
Height Summation:			**12966.826**				
Amount Avg CF:			**0.005538**	Linear:			
Aroclor-1260					**2**	**53.77**	
4.80	4.82	4.84	3080.026	0.004905			2
5.61	5.65	5.65	1556.159	0.002203			6
Height Summation:			**4636.185**				
Amount Avg CF:			**0.003554**	Linear:			
Aroclor-1262					**3**	**117.89**	
5.57	5.61	5.61	8061.503	0.014764			4
5.61	5.65	5.65	1556.159	0.001549			5
5.99	6.00	6.03	1325.99	0.002465			6
+ 5.99	6.01	6.03	896.5238	0.001666			6
Height Summation:			**10943.652**				
Amount Avg CF:			**0.006259**	Linear:			
Aroclor-1268					**6**	**175.99**	
5.57	5.61	5.61	8061.503	0.00532			1
5.61	5.65	5.65	1556.159	0.001056			2
5.77	5.79	5.81	13497.45	0.011069			3
5.84	5.85	5.88	25011.64	0.080317			4
5.99	6.00	6.03	1325.99	0.002529			5
+ 5.99	6.01	6.03	896.5238	0.00171			5
6.19	6.21	6.23	22030.18	0.005149			6
Height Summation:			**71482.922**				
Amount Avg CF:			**0.017573**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						27.95	4	40	
Aroclor-1221						1.52	3	5	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKME Sample ID: ME **Batchnumber: 1731699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274A
Result file : 25PCBS17309003.074.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 08:52:48
Instrument : CP25--18274B
Result file : 25PCBS17309003B.074.RAW
Calibration file : 25PCBS1730901B.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-1232						3.49	4	10	
Aroclor-1242						28.75	4	30	
Aroclor-1248						28.95	4	40	
Aroclor-1254						** 51.96	4	40	
Aroclor-1260						** 133.71	4	40	
Aroclor-1262						** 62.35	4	40	
Aroclor-1268						4.00	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/25/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 8:47

Lab File ID: 07PCBS17292004.0063.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164QC Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	40.98	40.00	2
Decachlorobiphenyl	6.75	6.72	6.78	39.16	40.24	-3
Aroclor-1016	3.29	3.27	3.31	192.97	202.00	-4
	3.50	3.48	3.52	198.42	202.00	-2
	3.62	3.60	3.64	186.21	202.00	-8
	3.84	3.82	3.86	187.18	202.00	-7
	3.90	3.88	3.92	197.37	202.00	-2
	4.10	4.08	4.12	182.16	202.00	-10
Aroclor-1260	4.90	4.88	4.92	179.60	201.64	-11
	5.31	5.29	5.33	170.99	201.64	-15
	5.38	5.36	5.40	174.63	201.64	-13
	5.54	5.52	5.56	177.16	201.64	-12
	5.78	5.76	5.80	184.62	201.64	-8
	5.98	5.96	6.00	173.85	201.64	-14

Compounds 14 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/25/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 8:47

Lab File ID: 07PCBS17292004B.0063.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164QC Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	44.69	40.00	12
Decachlorobiphenyl	6.32	6.29	6.35	37.90	40.24	-6
Aroclor-1016	3.03	3.02	3.06	199.75	202.00	-1
	3.37	3.35	3.39	190.53	202.00	-6
	3.56	3.54	3.58	203.01	202.00	0
	3.64	3.62	3.66	207.01	202.00	2
	3.69	3.68	3.72	186.65	202.00	-8
	3.80	3.79	3.83	195.42	202.00	-3
Aroclor-1260	4.65	4.64	4.68	195.30	201.64	-3
	4.76	4.75	4.79	190.39	201.64	-6
	4.89	4.88	4.92	199.47	201.64	-1
	5.12	5.11	5.15	190.68	201.64	-5
	5.32	5.30	5.34	194.70	201.64	-3
	5.58	5.56	5.60	192.43	201.64	-5

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZN ID: ZN **Batchnumber: 1729699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 08:58:39
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0064.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 0.219741
%SSR(DCB) : 102% (48-164) Conc.: 0.205585

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	6.47	
3.82	3.84	3.86	3387.431	0.002423			4
+ 3.88	3.89	3.92	1821.948	0.001559			5
3.88	3.90	3.92	3212.263	0.002748			5
4.08	4.10	4.12	2314.216	0.002666			6
Height Summation:			**8913.91**				
Amount Avg CF:			**0.002613**	Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	166382.2	0.37636			2
Height Summation:			**166382.2**				
Amount Avg CF:			**0.37636**	Linear:			
Aroclor-1232					3	14.33	
3.82	3.84	3.86	3387.431	0.004924			4
+ 3.88	3.89	3.92	1821.948	0.003515			5
3.88	3.90	3.92	3212.263	0.006197			5
4.08	4.10	4.12	2314.216	0.006516			6
Height Summation:			**8913.91**				
Amount Avg CF:			**0.005879**	Linear:			
Aroclor-1242					3	11.95	
3.82	3.84	3.86	3387.431	0.002812			4
+ 3.88	3.89	3.92	1821.948	0.002018			5
3.88	3.90	3.92	3212.263	0.003557			5
4.08	4.10	4.12	2314.216	0.003371			6
Height Summation:			**8913.91**				
Amount Avg CF:			**0.003247**	Linear:			
Aroclor-1248					5	62.33	
3.82	3.84	3.86	3387.431	0.004417			1
+ 3.88	3.89	3.92	1821.948	0.002843			2
3.88	3.90	3.92	3212.263	0.005012			2
4.08	4.10	4.12	2314.216	0.001893			4
4.17	4.17	4.21	1060.599	0.001041			5
4.36	4.39	4.40	1750.64	0.001788			6
Height Summation:			**11725.149**				
Amount Avg CF:			**0.00283**	Linear:			
Aroclor-1254					5	50.94	
4.69	4.72	4.73	4917.234	0.004112			1
4.88	4.90	4.92	2872.592	0.00398			3
4.97	4.99	5.01	2307.096	0.001492			4
5.17	5.19	5.21	1433.758	0.001186			5
5.29	5.31	5.33	3978.865	0.002578			6
Height Summation:			**15509.545**				
Amount Avg CF:			**0.002669**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 08:58:39
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0064.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.226267
%SSR(DCB) : 106% (48-164) Conc.: 0.213899

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	23.03	
3.35	3.37	3.39	1821.815	0.002806			2
3.62	3.64	3.66	2624.897	0.003897			4
Height Summation:			**4446.712**				
Amount Avg CF:			**0.003351**	Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	86317.26	0.475055			2
Height Summation:			**86317.26**				
Amount Avg CF:			**0.475055**	Linear:			
Aroclor-1232					2	27.43	
3.35	3.37	3.39	1821.815	0.006032			2
3.62	3.64	3.66	2624.897	0.008935			4
Height Summation:			**4446.712**				
Amount Avg CF:			**0.007483**	Linear:			
Aroclor-1242					2	25.90	
3.35	3.37	3.39	1821.815	0.003318			2
3.62	3.64	3.66	2624.897	0.004806			4
Height Summation:			**4446.712**				
Amount Avg CF:			**0.004062**	Linear:			
Aroclor-1248					2	14.28	
3.62	3.64	3.66	2624.897	0.006824			2
3.88	3.91	3.92	2644.18	0.005573			5
Height Summation:			**5269.077**				
Amount Avg CF:			**0.006199**	Linear:			
Aroclor-1254					1		
4.88	4.89	4.92	2486.152	0.002333			6
Height Summation:			**2486.152**				
Amount Avg CF:			**0.002333**	Linear:			
Aroclor-1260					4	20.22	
4.75	4.78	4.78	3321.221	0.002834			2
4.88	4.89	4.92	2486.152	0.001861			3
5.11	5.12	5.15	2062.712	0.002354			4
5.30	5.32	5.34	3909.904	0.001914			5
Height Summation:			**11779.989**				
Amount Avg CF:			**0.002241**	Linear:			
Aroclor-1262					2	1.11	
5.11	5.12	5.15	2062.712	0.001553			2
5.30	5.32	5.34	3909.904	0.001578			3
Height Summation:			**5972.616**				
Amount Avg CF:			**0.001566**	Linear:			
Aroclor-1268					3	111.64	
5.72	5.73	5.76	54167.29	0.020944			3
5.79	5.80	5.82	54175.34	0.080118			4
6.14	6.16	6.18	44005.21	0.005143			6
Height Summation:			**152347.84**				
Amount Avg CF:			**0.035402**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZN ID: ZN **Batchnumber: 1729699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 08:58:39
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0064.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**19.45**	
4.88	4.90	4.92	2872.592	0.001617			1
5.29	5.31	5.33	3978.865	0.001704			2
5.52	5.54	5.56	2271.963	0.001859			4
5.96	5.98	6.00	4362.872	0.002441			6
+ 5.96	6.00	6.00	2384.727	0.001334			6
Height Summation:			**13486.292**				
Amount Avg CF:			**0.001905**	Linear:			
Aroclor-1262					**3**	**28.00**	
5.52	5.54	5.56	2271.963	0.001383			2
5.96	5.98	6.00	4362.872	0.001962			4
6.38	6.41	6.42	2820.353	0.002466			6
Height Summation:			**9455.188**				
Amount Avg CF:			**0.001937**	Linear:			
Aroclor-1268					**5**	**156.36**	
5.96	5.98	5.99	4362.872	0.001053			1
6.15	6.17	6.19	59209.86	0.01811			3
6.21	6.23	6.25	66593.55	0.076141			4
6.38	6.41	6.42	2820.353	0.002186			5
6.58	6.61	6.62	45207.62	0.00452			6
Height Summation:			**178194.255**				
Amount Avg CF:			**0.020402**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 08:58:39
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0064.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		24.77	4	40	
Aroclor-1221			17	5.1		23.18	3	40	
Aroclor-1232			17	4.1		24.02	4	40	
Aroclor-1242			17	4.1		22.31	4	40	
Aroclor-1248			17	3.3		** 74.62	4	40	
Aroclor-1254			17	4.4		13.45	4	40	
Aroclor-1260			17	3.9		16.18	4	40	
Aroclor-1262			17	3.3		21.20	4	40	
Aroclor-1268			17	3.3		** 53.76	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/25/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 12:59

Lab File ID: 07PCBS17292004.0085.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164QD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	45.80	40.00	15
Decachlorobiphenyl	6.75	6.72	6.78	43.24	40.24	7
Aroclor-1016	3.29	3.27	3.31	214.19	202.00	6
	3.50	3.48	3.52	222.42	202.00	10
	3.62	3.60	3.64	225.91	202.00	12
	3.84	3.82	3.86	225.72	202.00	12
	3.90	3.88	3.92	227.74	202.00	13
	4.10	4.08	4.12	220.62	202.00	9
Aroclor-1260	4.90	4.88	4.92	219.77	201.64	9
	5.31	5.29	5.33	211.72	201.64	5
	5.38	5.36	5.40	228.56	201.64	13
	5.54	5.52	5.56	223.86	201.64	11
	5.77	5.76	5.80	224.27	201.64	11
	5.98	5.96	6.00	208.79	201.64	4

Compounds 14 Average of %D: 10

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/25/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 12:59

Lab File ID: 07PCBS17292004B.0085.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164QD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	46.90	40.00	17
Decachlorobiphenyl	6.32	6.29	6.35	44.27	40.24	10
Aroclor-1016	3.03	3.02	3.06	211.79	202.00	5
	3.37	3.35	3.39	218.52	202.00	8
	3.56	3.54	3.58	231.09	202.00	14
	3.64	3.62	3.66	233.31	202.00	15
	3.69	3.68	3.72	211.98	202.00	5
	3.80	3.79	3.83	227.34	202.00	13
Aroclor-1260	4.65	4.64	4.68	233.43	201.64	16
	4.76	4.75	4.79	227.22	201.64	13
	4.89	4.88	4.92	238.73	201.64	18
	5.12	5.11	5.15	231.53	201.64	15
	5.32	5.30	5.34	239.00	201.64	19
	5.58	5.56	5.60	232.08	201.64	15

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZO ID: ZO **Batchnumber: 1729699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 13:10:27
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0086.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 110% (61-152) Conc.: 0.22195
%SSR(DCB) : 106% (48-164) Conc.: 0.214999

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**21.94**	
3.27	3.28	3.31	2704.886	0.002701			1
3.48	3.50	3.52	3139.377	0.003016			2
3.82	3.84	3.86	6026.495	0.004312			4
+ 3.82	3.86	3.86	750.5242	0.000537			4
+ 3.88	3.89	3.92	1154.225	0.000988			5
3.88	3.90	3.92	4484.929	0.003837			5
+ 4.08	4.08	4.12	1126.376	0.001298			6
4.08	4.10	4.12	2341.64	0.002698			6
Height Summation:			**18697.327**				
Amount Avg CF:			**0.003313**	Linear:			
Aroclor-1221					**2**	**140.15**	
3.22	3.23	3.26	166262.1	0.376088			2
3.27	3.28	3.31	2704.886	0.001698			3
Height Summation:			**168966.986**				
Amount Avg CF:			**0.188893**	Linear:			
Aroclor-1232					**5**	**40.49**	
3.26	3.28	3.30	2704.886	0.002217			1
3.48	3.50	3.52	3139.377	0.0065			2
3.82	3.84	3.86	6026.495	0.00876			4
+ 3.88	3.89	3.92	1154.225	0.002227			5
3.88	3.90	3.92	4484.929	0.008652			5
+ 4.08	4.08	4.12	1126.376	0.003171			6
4.08	4.10	4.12	2341.64	0.006593			6
Height Summation:			**18697.327**				
Amount Avg CF:			**0.006544**	Linear:			
Aroclor-1242					**5**	**21.94**	
3.27	3.28	3.31	2704.886	0.003152			1
3.48	3.50	3.52	3139.377	0.003635			2
3.82	3.84	3.86	6026.495	0.005003			4
+ 3.82	3.86	3.86	750.5242	0.000623			4
+ 3.88	3.89	3.92	1154.225	0.001278			5
3.88	3.90	3.92	4484.929	0.004967			5
+ 4.08	4.08	4.12	1126.376	0.001641			6
4.08	4.10	4.12	2341.64	0.003411			6
Height Summation:			**18697.327**				
Amount Avg CF:			**0.004034**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 13:10:27
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0086.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.228532
%SSR(DCB) : 114% (48-164) Conc.: 0.230791

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**34.34**	
3.02	3.06	3.06	1913.985	0.003573			1
3.35	3.37	3.39	3097.05	0.00477			2
3.62	3.64	3.66	4568.812	0.006783			4
3.68	3.69	3.72	2270.224	0.004467			5
3.79	3.80	3.83	1525.608	0.002701			6
Height Summation:			**13375.679**				
Amount Avg CF:			**0.004459**	Linear:			
Aroclor-1221					**1**		
2.96	2.97	3.00	88707.88	0.488212			2
Height Summation:			**88707.88**				
Amount Avg CF:			**0.488212**	Linear:			
Aroclor-1232					**4**	**33.34**	
3.35	3.37	3.39	3097.05	0.010255			2
3.62	3.64	3.66	4568.812	0.015551			4
3.68	3.69	3.72	2270.224	0.012089			5
3.79	3.80	3.83	1525.608	0.006646			6
Height Summation:			**11461.694**				
Amount Avg CF:			**0.011135**	Linear:			
Aroclor-1242					**5**	**35.57**	
3.02	3.06	3.06	1913.985	0.004153			1
3.35	3.37	3.39	3097.05	0.005641			2
3.62	3.64	3.66	4568.812	0.008366			4
3.68	3.69	3.72	2270.224	0.005756			5
3.79	3.80	3.83	1525.608	0.003289			6
Height Summation:			**13375.679**				
Amount Avg CF:			**0.005441**	Linear:			
Aroclor-1248					**5**	**71.38**	
3.62	3.64	3.66	4568.812	0.011878			2
3.68	3.69	3.72	2270.224	0.004013			3
3.79	3.80	3.83	1525.608	0.001944			4
3.88	3.90	3.92	3434.711	0.007239			5
4.02	4.04	4.06	3013.806	0.00305			6
Height Summation:			**14813.161**				
Amount Avg CF:			**0.005625**	Linear:			
Aroclor-1254					**3**	**51.86**	
4.40	4.42	4.44	4096.477	0.002837			2
4.50	4.51	4.54	5428.236	0.007772			3
4.88	4.89	4.92	4437.715	0.004165			6
Height Summation:			**13962.428**				
Amount Avg CF:			**0.004925**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZO ID: ZO **Batchnumber: 1729699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 13:10:27
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0086.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**55.37**	
3.82	3.84	3.86	6026.495	0.007859			1
+ 3.82	3.86	3.86	750.5242	0.000979			1
+ 3.88	3.89	3.92	1154.225	0.001801			2
3.88	3.90	3.92	4484.929	0.006998			2
3.95	3.97	3.99	3054.725	0.002796			3
+ 4.08	4.08	4.12	1126.376	0.000921			4
4.08	4.10	4.12	2341.64	0.001915			4
4.17	4.19	4.21	3142.258	0.003083			5
4.36	4.39	4.40	3654.875	0.003732			6
Height Summation:			**22704.922**				
Amount Avg CF:			**0.004397**	Linear:			
Aroclor-1254					**5**	**60.24**	
4.69	4.71	4.73	7229.928	0.006046			1
4.76	4.77	4.80	1757.849	0.000742			2
4.88	4.90	4.92	5960.263	0.008257			3
5.17	5.19	5.21	3841.592	0.003177			5
5.29	5.31	5.33	9196.445	0.005958			6
Height Summation:			**27986.077**				
Amount Avg CF:			**0.004836**	Linear:			
Aroclor-1260					**5**	**26.96**	
4.88	4.90	4.92	5960.263	0.003355			1
5.29	5.31	5.33	9196.445	0.003939			2
+ 5.52	5.52	5.56	2282.208	0.001867			4
5.52	5.54	5.56	3885.906	0.003179			4
5.76	5.77	5.80	6002.843	0.002064			5
5.96	5.98	6.00	8084.306	0.004522			6
Height Summation:			**33129.763**				
Amount Avg CF:			**0.003412**	Linear:			
Aroclor-1262					**4**	**33.44**	
+ 5.52	5.52	5.56	2282.208	0.001389			2
5.52	5.54	5.56	3885.906	0.002365			2
5.75	5.77	5.79	6002.843	0.001751			3
5.96	5.98	6.00	8084.306	0.003635			4
6.38	6.41	6.42	4200.124	0.003673			6
Height Summation:			**22173.179**				
Amount Avg CF:			**0.002856**	Linear:			
Aroclor-1268					**5**	**154.75**	
5.96	5.98	5.99	8084.306	0.001952			1
6.15	6.17	6.19	72954.31	0.022314			3
6.21	6.23	6.25	81043.1	0.092662			4
6.38	6.41	6.42	4200.124	0.003256			5
6.58	6.61	6.62	48879.83	0.004887			6
Height Summation:			**215161.67**				
Amount Avg CF:			**0.025014**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 13:10:27
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0086.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**21.08**	
+ 4.75	4.75	4.78	2392.409	0.002041			2
4.75	4.78	4.78	3186.992	0.002719			2
4.88	4.89	4.92	4437.715	0.003322			3
5.11	5.12	5.15	3867.629	0.004413			4
5.30	5.31	5.34	8397.98	0.00411			5
Height Summation:			**19890.316**				
Amount Avg CF:			**0.003641**	Linear:			
Aroclor-1262					**3**	**73.92**	
5.11	5.12	5.15	3867.629	0.002913			2
5.30	5.31	5.34	8397.98	0.003389			3
5.52	5.55	5.56	9680.007	0.010167			4
Height Summation:			**21945.616**				
Amount Avg CF:			**0.00549**	Linear:			
Aroclor-1268					**4**	**137.09**	
5.52	5.55	5.56	9680.007	0.003261			1
5.72	5.73	5.76	65939.03	0.025495			3
5.79	5.80	5.82	70894.75	0.104843			4
6.14	6.15	6.18	48574.63	0.005677			6
Height Summation:			**195088.417**				
Amount Avg CF:			**0.034819**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		29.49	4	40	
Aroclor-1221			17	5.1		** 88.41	3	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKZO ID: ZO **Batchnumber: 1729699999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Oct 25, 2017 13:10:27
Instrument	: CP 7--19843A
Result file	: 07PCBS17292004.0086.RAW
Calibration file	: 07PCBS1729202.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Oct 25, 2017 13:10:27
Instrument	: CP 7--19843B
Result file	: 07PCBS17292004B.0086.RAW
Calibration file	: 07PCBS1729202B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			17	4.1		** 51.93	4	40	
Aroclor-1242			17	4.1		29.71	4	40	
Aroclor-1248			17	3.3		24.50	4	40	
Aroclor-1254			17	4.4		1.81	4	40	
Aroclor-1260			17	3.9		6.50	4	40	
Aroclor-1262			17	3.3		** 63.11	4	40	
Aroclor-1268			17	3.3		32.77	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 7:42

Lab File ID: 07PCBS17292003.0065.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	43.82	40.00	10
Decachlorobiphenyl	6.75	6.72	6.78	39.07	40.24	-3
Aroclor-1016	3.29	3.27	3.31	230.32	202.00	14
	3.50	3.48	3.52	226.33	202.00	12
	3.62	3.60	3.64	230.07	202.00	14
	3.84	3.82	3.86	219.93	202.00	9
	3.90	3.88	3.92	212.10	202.00	5
	4.10	4.08	4.12	204.72	202.00	1
Aroclor-1260	4.90	4.88	4.92	190.61	201.64	-5
	5.31	5.29	5.33	189.78	201.64	-6
	5.38	5.36	5.40	188.05	201.64	-7
	5.54	5.52	5.56	192.76	201.64	-4
	5.78	5.76	5.80	186.55	201.64	-7
	5.98	5.96	6.00	189.98	201.64	-6

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 7:42

Lab File ID: 07PCBS17292003B.0065.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.43	40.00	14
Decachlorobiphenyl	6.32	6.29	6.35	40.99	40.24	2
Aroclor-1016	3.03	3.02	3.06	225.85	202.00	12
	3.37	3.35	3.39	225.55	202.00	12
	3.56	3.54	3.58	209.57	202.00	4
	3.64	3.62	3.66	218.02	202.00	8
	3.70	3.68	3.72	240.00	202.00	19
	3.80	3.79	3.83	208.69	202.00	3
Aroclor-1260	4.65	4.64	4.68	192.79	201.64	-4
	4.76	4.75	4.79	205.77	201.64	2
	4.90	4.88	4.92	204.90	201.64	2
	5.13	5.11	5.15	200.53	201.64	-1
	5.32	5.30	5.34	205.20	201.64	2
	5.58	5.56	5.60	207.80	201.64	3

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYM ID: YM **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0066.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 0.220005
%SSR(DCB) : 97% (48-164) Conc.: 0.19505

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**32.79**	
3.27	3.29	3.31	5140.527	0.005133			1
3.60	3.62	3.64	7161.392	0.005967			3
3.82	3.85	3.86	8355.411	0.005978			4
3.88	3.90	3.92	7300.52	0.006246			5
4.08	4.10	4.12	1914.614	0.002206			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.005106**	Linear:			
Aroclor-1221					**2**	**138.99**	
3.22	3.23	3.26	164489.7	0.372079			2
3.27	3.29	3.31	5140.527	0.003227			3
Height Summation:			**169630.227**				
Amount Avg CF:			**0.187653**	Linear:			
Aroclor-1232					**5**	**46.92**	
3.26	3.29	3.30	5140.527	0.004214			1
3.60	3.62	3.64	7161.392	0.012735			3
3.82	3.85	3.86	8355.411	0.012145			4
3.88	3.90	3.92	7300.52	0.014084			5
4.08	4.10	4.12	1914.614	0.005391			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.009713**	Linear:			
Aroclor-1242					**5**	**32.99**	
3.27	3.29	3.31	5140.527	0.005991			1
3.60	3.62	3.64	7161.392	0.007163			3
3.82	3.85	3.86	8355.411	0.006936			4
3.88	3.90	3.92	7300.52	0.008085			5
4.08	4.10	4.12	1914.614	0.002789			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.006193**	Linear:			
Aroclor-1248					**6**	**62.31**	
3.82	3.85	3.86	8355.411	0.010896			1
3.88	3.90	3.92	7300.52	0.011392			2
3.95	3.97	3.99	1667.919	0.001527			3
4.08	4.10	4.12	1914.614	0.001566			4
4.17	4.19	4.21	10149.88	0.009958			5
4.36	4.38	4.40	8688.782	0.008872			6
Height Summation:			**38077.126**				
Amount Avg CF:			**0.007368**	Linear:			
Aroclor-1254					**4**	**140.22**	
4.69	4.72	4.73	35618.48	0.029788			1
4.76	4.77	4.80	2316.838	0.000977			2
4.97	4.99	5.01	5287.675	0.003419			4
5.17	5.19	5.21	5267.131	0.004356			5
Height Summation:			**48490.124**				
Amount Avg CF:			**0.009635**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0066.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.226695
%SSR(DCB) : 103% (48-164) Conc.: 0.208443

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**31.26**	
3.02	3.03	3.06	4180.926	0.007804			1
3.35	3.37	3.39	7195.061	0.011081			2
3.54	3.57	3.58	3064.441	0.004732			3
3.62	3.64	3.66	7700.539	0.011433			4
3.68	3.68	3.72	4340.244	0.008539			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.008718**	Linear:			
Aroclor-1221					**2**	**138.36**	
2.96	2.97	3.00	87187.38	0.479843			2
3.02	3.03	3.06	4180.926	0.005247			3
Height Summation:			**91368.306**				
Amount Avg CF:			**0.242545**	Linear:			
Aroclor-1232					**5**	**49.99**	
3.02	3.03	3.06	4180.926	0.006635			1
3.35	3.37	3.39	7195.061	0.023823			2
3.54	3.57	3.58	3064.441	0.009928			3
3.62	3.64	3.66	7700.539	0.026211			4
3.68	3.68	3.72	4340.244	0.023112			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.017942**	Linear:			
Aroclor-1242					**5**	**33.00**	
3.02	3.03	3.06	4180.926	0.009072			1
3.35	3.37	3.39	7195.061	0.013105			2
3.54	3.57	3.58	3064.441	0.005375			3
3.62	3.64	3.66	7700.539	0.014101			4
3.68	3.68	3.72	4340.244	0.011005			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.010532**	Linear:			
Aroclor-1248					**5**	**45.87**	
3.54	3.57	3.58	3064.441	0.009664			1
3.62	3.64	3.66	7700.539	0.02002			2
3.68	3.68	3.72	4340.244	0.007672			3
3.88	3.88	3.92	9114.56	0.01921			5
+ 3.88	3.91	3.92	6470.749	0.013638			5
4.02	4.04	4.06	8783.093	0.008887			6
Height Summation:			**33002.877**				
Amount Avg CF:			**0.013091**	Linear:			
Aroclor-1254					**2**	**82.10**	
+ 4.40	4.40	4.44	3881.293	0.002688			2
4.40	4.44	4.44	4859.408	0.003365			2
4.50	4.52	4.54	8855.561	0.012679			3
Height Summation:			**13714.969**				
Amount Avg CF:			**0.008022**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYM ID: YM **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0066.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**143.93**	
5.36	5.37	5.40	2113.461	0.001789			3
5.52	5.52	5.56	41463.77	0.033919			4
5.96	5.98	6.00	4511.898	0.002524			6
Height Summation:			**48089.129**				
Amount Avg CF:			**0.012744**	Linear:			
Aroclor-1262					**5**	**118.55**	
5.35	5.37	5.39	2113.461	0.001106			1
5.52	5.52	5.56	41463.77	0.025231			2
5.96	5.98	6.00	4511.898	0.002029			4
6.01	6.02	6.05	2364.014	0.002253			5
6.38	6.41	6.42	36036.55	0.031512			6
Height Summation:			**86489.693**				
Amount Avg CF:			**0.012426**	Linear:			
Aroclor-1268					**6**	**162.40**	
5.96	5.98	5.99	4511.898	0.001089			1
6.01	6.02	6.05	2364.014	0.000666			2
6.15	6.17	6.19	90320.52	0.027626			3
6.21	6.23	6.25	132730.8	0.151759			4
6.38	6.41	6.42	36036.55	0.027935			5
6.58	6.61	6.62	58130.25	0.005812			6
Height Summation:			**324094.032**				
Amount Avg CF:			**0.035815**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0066.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**20.02**	
4.75	4.76	4.78	7902.812	0.006743			2
5.11	5.13	5.15	4962.125	0.005662			4
5.56	5.58	5.60	6176.018	0.00449			6
Height Summation:			**19040.955**				
Amount Avg CF:			**0.005632**	Linear:			
Aroclor-1262					**4**	**88.91**	
4.91	4.94	4.95	20600.28	0.016284			1
5.11	5.13	5.15	4962.125	0.003737			2
5.56	5.58	5.60	6176.018	0.003594			5
5.94	5.96	5.98	4082.218	0.004318			6
Height Summation:			**35820.641**				
Amount Avg CF:			**0.006983**	Linear:			
Aroclor-1268					**5**	**183.06**	
5.56	5.58	5.60	6176.018	0.002044			2
5.72	5.74	5.76	88612.38	0.034262			3
5.79	5.80	5.82	180697.3	0.267226			4
5.94	5.96	5.98	4082.218	0.003947			5
6.14	6.16	6.18	56934.93	0.006654			6
Height Summation:			**336502.846**				
Amount Avg CF:			**0.062827**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 52.25	4	40	
Aroclor-1221			17	5.1		25.52	3	40	
Aroclor-1232			17	4.1		** 59.51	4	40	
Aroclor-1242			17	4.1		** 51.88	4	40	
Aroclor-1248			17	3.3		** 55.94	4	40	
Aroclor-1254			17	4.4		18.27	4	40	
Aroclor-1260			17	3.9		** 77.41	4	40	
Aroclor-1262			17	3.3		** 56.09	4	40	
Aroclor-1268			17	3.3		** 54.77	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 8:51

Lab File ID: 07PCBS17292003.0071.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	42.77	40.00	7
Decachlorobiphenyl	6.75	6.72	6.78	37.58	40.24	-7
Aroclor-1016	3.28	3.27	3.31	228.19	202.00	13
	3.50	3.48	3.52	221.11	202.00	9
	3.62	3.60	3.64	228.95	202.00	13
	3.84	3.82	3.86	213.95	202.00	6
	3.90	3.88	3.92	209.56	202.00	4
	4.10	4.08	4.12	204.89	202.00	1
Aroclor-1260	4.90	4.88	4.92	193.59	201.64	-4
	5.31	5.29	5.33	189.66	201.64	-6
	5.37	5.36	5.40	186.78	201.64	-7
	5.54	5.52	5.56	188.57	201.64	-6
	5.77	5.76	5.80	180.87	201.64	-10
	5.98	5.96	6.00	187.52	201.64	-7

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 8:51

Lab File ID: 07PCBS17292003B.0071.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.30	40.00	13
Decachlorobiphenyl	6.32	6.29	6.35	38.77	40.24	-4
Aroclor-1016	3.03	3.02	3.06	222.38	202.00	10
	3.37	3.35	3.39	225.36	202.00	12
	3.56	3.54	3.58	217.41	202.00	8
	3.64	3.62	3.66	215.72	202.00	7
	3.69	3.68	3.72	232.56	202.00	15
	3.80	3.79	3.83	201.19	202.00	0
Aroclor-1260	4.65	4.64	4.68	192.31	201.64	-5
	4.76	4.75	4.79	203.40	201.64	1
	4.89	4.88	4.92	198.25	201.64	-2
	5.12	5.11	5.15	201.28	201.64	0
	5.32	5.30	5.34	201.72	201.64	0
	5.58	5.56	5.60	212.51	201.64	5

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYN ID: YN **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.21815
%SSR(DCB) : 88% (48-164) Conc.: 0.178612

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**44.51**	
3.27	3.29	3.31	5294.526	0.005287			1
3.60	3.62	3.64	9079.441	0.007565			3
3.82	3.85	3.86	9764.64	0.006986			4
3.88	3.90	3.92	8412.038	0.007197			5
4.08	4.08	4.12	1248.822	0.001439			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.005695**	Linear:			
Aroclor-1221					**2**	**138.84**	
3.22	3.23	3.26	159532.3	0.360865			2
3.27	3.29	3.31	5294.526	0.003324			3
Height Summation:			**164826.826**				
Amount Avg CF:			**0.182095**	Linear:			
Aroclor-1232					**5**	**58.88**	
3.26	3.29	3.30	5294.526	0.00434			1
3.60	3.62	3.64	9079.441	0.016145			3
3.82	3.85	3.86	9764.64	0.014193			4
3.88	3.90	3.92	8412.038	0.016228			5
4.08	4.08	4.12	1248.822	0.003516			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.010884**	Linear:			
Aroclor-1242					**5**	**44.91**	
3.27	3.29	3.31	5294.526	0.006171			1
3.60	3.62	3.64	9079.441	0.009082			3
3.82	3.85	3.86	9764.64	0.008106			4
3.88	3.90	3.92	8412.038	0.009316			5
4.08	4.08	4.12	1248.822	0.001819			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.006899**	Linear:			
Aroclor-1248					**5**	**51.79**	
3.82	3.85	3.86	9764.64	0.012733			1
3.88	3.90	3.92	8412.038	0.013126			2
4.08	4.08	4.12	1248.822	0.001022			4
4.17	4.18	4.21	11027.61	0.010819			5
4.36	4.38	4.40	9734.777	0.00994			6
Height Summation:			**40187.887**				
Amount Avg CF:			**0.009528**	Linear:			
Aroclor-1254					**4**	**154.02**	
4.69	4.71	4.73	37249.73	0.031152			1
4.97	4.99	5.01	4725.294	0.003055			4
5.17	5.19	5.21	2130.938	0.001762			5
5.29	5.31	5.33	2621.081	0.001698			6
Height Summation:			**46727.043**				
Amount Avg CF:			**0.009417**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.225263
%SSR(DCB) : 93% (48-164) Conc.: 0.188073

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**35.96**	
3.02	3.03	3.06	4139.832	0.007727			1
3.35	3.37	3.39	8307.964	0.012795			2
3.54	3.57	3.58	3724.069	0.00575			3
3.62	3.64	3.66	8802.494	0.013069			4
3.68	3.68	3.72	3751.235	0.00738			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.009344**	Linear:			
Aroclor-1221					**2**	**138.31**	
2.96	2.97	3.00	84969.14	0.467635			2
3.02	3.03	3.06	4139.832	0.005196			3
Height Summation:			**89108.972**				
Amount Avg CF:			**0.236416**	Linear:			
Aroclor-1232					**5**	**51.77**	
3.02	3.03	3.06	4139.832	0.00657			1
3.35	3.37	3.39	8307.964	0.027508			2
3.54	3.57	3.58	3724.069	0.012065			3
3.62	3.64	3.66	8802.494	0.029962			4
3.68	3.68	3.72	3751.235	0.019975			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.019216**	Linear:			
Aroclor-1242					**5**	**36.95**	
3.02	3.03	3.06	4139.832	0.008982			1
3.35	3.37	3.39	8307.964	0.015132			2
3.54	3.57	3.58	3724.069	0.006532			3
3.62	3.64	3.66	8802.494	0.016118			4
3.68	3.68	3.72	3751.235	0.009512			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.011255**	Linear:			
Aroclor-1248					**5**	**48.57**	
3.54	3.57	3.58	3724.069	0.011744			1
3.62	3.64	3.66	8802.494	0.022885			2
3.68	3.68	3.72	3751.235	0.006631			3
3.88	3.88	3.92	9891.829	0.020848			5
+ 3.88	3.91	3.92	8194.527	0.017271			5
+ 4.02	4.02	4.06	2647.284	0.002679			6
4.02	4.04	4.06	10171.53	0.010292			6
Height Summation:			**36341.157**				
Amount Avg CF:			**0.01448**	Linear:			
Aroclor-1254					**2**	**68.59**	
4.40	4.44	4.44	5951.59	0.004122			2
4.50	4.52	4.54	8301.443	0.011886			3
Height Summation:			**14253.033**				
Amount Avg CF:			**0.008004**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYN ID: YN **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**54.39**	
5.29	5.31	5.33	2621.081	0.001123			2
5.36	5.37	5.40	1887.645	0.001598			3
5.96	5.98	6.00	5649.829	0.00316			6
Height Summation:			**10158.555**				
Amount Avg CF:			**0.00196**	Linear:			
Aroclor-1262					**4**	**57.07**	
5.35	5.37	5.39	1887.645	0.000988			1
5.96	5.98	6.00	5649.829	0.00254			4
6.01	6.02	6.05	3783.978	0.003606			5
6.38	6.40	6.42	1483.563	0.001297			6
Height Summation:			**12805.015**				
Amount Avg CF:			**0.002108**	Linear:			
Aroclor-1268					**6**	**196.66**	
5.96	5.98	5.99	5649.829	0.001364			1
6.01	6.02	6.05	3783.978	0.001066			2
6.15	6.17	6.19	99091.1	0.030309			3
6.21	6.23	6.25	166198	0.190024			4
6.38	6.40	6.42	1483.563	0.00115			5
6.58	6.61	6.62	55611.76	0.005561			6
Height Summation:			**331818.23**				
Amount Avg CF:			**0.038246**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**14.27**	
4.75	4.76	4.78	8169.649	0.006971			2
5.11	5.13	5.15	5312.041	0.006061			4
5.56	5.58	5.60	7200.777	0.005235			6
Height Summation:			**20682.467**				
Amount Avg CF:			**0.006089**	Linear:			
Aroclor-1262					**3**	**11.38**	
4.91	4.94	4.95	4243.577	0.003355			1
5.11	5.13	5.15	5312.041	0.004			2
5.56	5.58	5.60	7200.777	0.00419			5
Height Summation:			**16756.395**				
Amount Avg CF:			**0.003848**	Linear:			
Aroclor-1268					**4**	**158.72**	
5.56	5.58	5.60	7200.777	0.002383			2
5.72	5.74	5.76	89710.98	0.034687			3
5.79	5.80	5.82	154630.1	0.228676			4
6.14	6.16	6.18	55727.55	0.006513			6
Height Summation:			**307269.407**				
Amount Avg CF:			**0.068065**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 48.53	4	40	
Aroclor-1221			17	5.1		25.96	3	40	
Aroclor-1232			17	4.1		** 55.36	4	40	
Aroclor-1242			17	4.1		** 48.00	4	40	
Aroclor-1248			17	3.3		** 41.25	4	40	
Aroclor-1254			17	4.4		16.22	4	40	
Aroclor-1260			17	3.9		** 102.58	4	40	
Aroclor-1262			17	3.3		** 58.44	4	40	
Aroclor-1268			17	3.3		** 56.10	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 13:02

Lab File ID: 07PCBS17292003.0093.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PF Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	44.24	40.00	11
Decachlorobiphenyl	6.75	6.72	6.78	42.15	40.24	5
Aroclor-1016	3.29	3.27	3.31	215.86	202.00	7
	3.50	3.48	3.52	223.60	202.00	11
	3.62	3.60	3.64	223.13	202.00	10
	3.84	3.82	3.86	221.83	202.00	10
	3.90	3.88	3.92	220.51	202.00	9
	4.10	4.08	4.12	211.08	202.00	4
Aroclor-1260	4.90	4.88	4.92	210.22	201.64	4
	5.31	5.29	5.33	205.65	201.64	2
	5.38	5.36	5.40	211.18	201.64	5
	5.54	5.52	5.56	211.92	201.64	5
	5.78	5.76	5.80	207.33	201.64	3
	5.98	5.96	6.00	210.14	201.64	4

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 13:02

Lab File ID: 07PCBS17292003B.0093.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PF Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.82	40.00	15
Decachlorobiphenyl	6.32	6.29	6.35	44.25	40.24	10
Aroclor-1016	3.03	3.02	3.06	215.53	202.00	7
	3.37	3.35	3.39	218.24	202.00	8
	3.56	3.54	3.58	231.96	202.00	15
	3.64	3.62	3.66	226.36	202.00	12
	3.69	3.68	3.72	218.50	202.00	8
	3.80	3.79	3.83	222.16	202.00	10
Aroclor-1260	4.65	4.64	4.68	230.59	201.64	14
	4.76	4.75	4.79	217.92	201.64	8
	4.89	4.88	4.92	223.52	201.64	11
	5.12	5.11	5.15	224.74	201.64	11
	5.32	5.30	5.34	225.86	201.64	12
	5.58	5.56	5.60	236.01	201.64	17

Compounds 14 Average of %D: 11

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYO ID: YO **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0094.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.225631
%SSR(DCB) : 101% (48-164) Conc.: 0.20479

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	51.73	
3.82	3.85	3.86	4908.9	0.003512			4
+ 3.88	3.89	3.92	1627.166	0.001392			5
3.88	3.91	3.92	1906.292	0.001631			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.002571**	Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	168958.1	0.382187			2
Height Summation:			**168958.1**				
Amount Avg CF:			**0.382187**	Linear:			
Aroclor-1232					2	45.22	
3.82	3.85	3.86	4908.9	0.007135			4
+ 3.88	3.89	3.92	1627.166	0.003139			5
3.88	3.91	3.92	1906.292	0.003678			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.005406**	Linear:			
Aroclor-1242					2	44.89	
3.82	3.85	3.86	4908.9	0.004075			4
+ 3.88	3.89	3.92	1627.166	0.001802			5
3.88	3.91	3.92	1906.292	0.002111			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.003093**	Linear:			
Aroclor-1248					3	75.71	
3.82	3.85	3.86	4908.9	0.006401			1
+ 3.88	3.89	3.92	1627.166	0.002539			2
3.88	3.91	3.92	1906.292	0.002975			2
3.95	3.96	3.99	1271.785	0.001164			3
Height Summation:			**8086.977**				
Amount Avg CF:			**0.003513**	Linear:			
Aroclor-1254					4	82.80	
4.69	4.71	4.73	14544.11	0.012163			1
4.88	4.90	4.92	2916.3	0.00404			3
4.97	4.99	5.01	1880.405	0.001216			4
5.17	5.19	5.21	6128.865	0.005068			5
Height Summation:			**25469.68**				
Amount Avg CF:			**0.005622**	Linear:			
Aroclor-1260					2	46.40	
4.88	4.90	4.92	2916.3	0.001642			1
5.96	5.98	6.00	5801.1	0.003245			6
Height Summation:			**8717.4**				
Amount Avg CF:			**0.002443**	Linear:			
Aroclor-1262					2	26.82	
5.96	5.98	6.00	5801.1	0.002608			4
6.01	6.03	6.05	1864.584	0.001777			5
Height Summation:			**7665.684**				
Amount Avg CF:			**0.002193**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0094.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.228276
%SSR(DCB) : 109% (48-164) Conc.: 0.22

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	12.24	
3.35	3.37	3.39	2512.244	0.003869			2
3.62	3.64	3.66	3099.947	0.004602			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.004236**	Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	88551.35	0.48735			2
Height Summation:			**88551.35**				
Amount Avg CF:			**0.48735**	Linear:			
Aroclor-1232					2	16.74	
3.35	3.37	3.39	2512.244	0.008318			2
3.62	3.64	3.66	3099.947	0.010552			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.009435**	Linear:			
Aroclor-1242					2	15.18	
3.35	3.37	3.39	2512.244	0.004576			2
3.62	3.64	3.66	3099.947	0.005676			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.005126**	Linear:			
Aroclor-1248					3	51.50	
3.62	3.64	3.66	3099.947	0.008059			2
3.88	3.91	3.92	3041.222	0.00641			5
4.02	4.04	4.06	2391.568	0.00242			6
Height Summation:			**8532.737**				
Amount Avg CF:			**0.00563**	Linear:			
Aroclor-1254					2	1.34	
4.40	4.43	4.44	9984.894	0.006915			2
4.50	4.52	4.54	4922.354	0.007048			3
Height Summation:			**14907.248**				
Amount Avg CF:			**0.006981**	Linear:			
Aroclor-1260					4	44.55	
4.75	4.76	4.78	2503.806	0.002136			2
5.11	5.12	5.15	3734.84	0.004262			4
5.30	5.32	5.34	2971.464	0.001454			5
5.56	5.58	5.60	4236.668	0.00308			6
Height Summation:			**13446.778**				
Amount Avg CF:			**0.002733**	Linear:			
Aroclor-1262					4	34.52	
5.11	5.12	5.15	3734.84	0.002813			2
5.30	5.32	5.34	2971.464	0.001199			3
5.52	5.54	5.56	1722.559	0.001809			4
5.56	5.58	5.60	4236.668	0.002465			5
Height Summation:			**12665.531**				
Amount Avg CF:			**0.002072**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYO ID: YO **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0094.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**163.41**	
5.96	5.98	5.99	5801.1	0.001401			1
6.01	6.03	6.05	1864.584	0.000525			2
6.15	6.17	6.19	118192.4	0.036151			3
6.21	6.23	6.25	127227	0.145466			4
6.58	6.61	6.62	58694.43	0.005869			6

Height Summation: **311779.514**
Amount Avg CF: **0.037882** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0094.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**174.80**	
5.52	5.54	5.56	1722.559	0.00058			1
5.56	5.58	5.60	4236.668	0.001402			2
5.72	5.74	5.76	106125.7	0.041033			3
5.79	5.80	5.82	149031.2	0.220396			4
6.14	6.16	6.18	58341.83	0.006819			6

Height Summation: **319457.957**
Amount Avg CF: **0.054046** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 48.90	4	40	
Aroclor-1221			17	5.1		24.19	3	40	
Aroclor-1232			17	4.1		** 54.29	4	40	
Aroclor-1242			17	4.1		** 49.47	4	40	
Aroclor-1248			17	3.3		** 46.29	4	40	
Aroclor-1254			17	4.4		21.57	4	40	
Aroclor-1260			17	3.9		11.19	4	40	
Aroclor-1262			17	3.3		5.68	4	40	
Aroclor-1268			17	3.3		35.17	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17309001
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	25PCBS17309001.001	CONDITIONER		11/5/17 18:12	1730899999	1.00
9065	25PCBS17309001.002	CONDITIONER		11/5/17 18:23	1730899999	1.00
9065	25PCBS17309001.003	CONDITIONER		11/5/17 18:35	1730899999	1.00
9065	25PCBS17309001.004	CONDITIONER		11/5/17 18:46	1730899999	1.00
9065	25PCBS17309001.005	IBLKX1724B	PIBLKAA	11/5/17 18:57	1730899999	10.00
9065	25PCBS17309001.006	EVALX1724A	EVALXAA	11/5/17 19:08	1730899999	1.00
9065	25PCBS17309001.007	AR1611724B	AR161AA	11/5/17 19:20	1730899999	1.00
9065	25PCBS17309001.008	AR1621724B	AR162AA	11/5/17 19:31	1730899999	1.00
9065	25PCBS17309001.009	AR1631724B	AR163AA	11/5/17 19:43	1730899999	1.00
9065	25PCBS17309001.010	AR1641724B	AR164AA	11/5/17 19:54	1730899999	1.00
9065	25PCBS17309001.011	AR1651724B	AR165AA	11/5/17 20:05	1730899999	1.00
9065	25PCBS17309001.012	AR1661724A	AR166AA	11/5/17 20:16	1730899999	1.00
9065	25PCBS17309001.013	AR4811724C	AR481AA	11/5/17 20:28	1730899999	1.00
9065	25PCBS17309001.014	AR4821724C	AR482AA	11/5/17 20:39	1730899999	1.00
9065	25PCBS17309001.015	AR4831724C	AR483AA	11/5/17 20:50	1730899999	1.00
9065	25PCBS17309001.016	AR4841724C	AR484AA	11/5/17 21:02	1730899999	1.00
9065	25PCBS17309001.017	AR4851724C	AR485AA	11/5/17 21:13	1730899999	1.00
9065	25PCBS17309001.018	AR4861724B	AR486AA	11/5/17 21:24	1730899999	1.00
9065	25PCBS17309001.019	AR5411724C	AR541AA	11/5/17 21:36	1730899999	1.00
9065	25PCBS17309001.020	AR5421724C	AR542AA	11/5/17 21:47	1730899999	1.00
9065	25PCBS17309001.021	AR5431724C	AR543AA	11/5/17 21:58	1730899999	1.00
9065	25PCBS17309001.022	AR5441724C	AR544AA	11/5/17 22:10	1730899999	1.00
9065	25PCBS17309001.023	AR5451724C	AR545AA	11/5/17 22:21	1730899999	1.00
9065	25PCBS17309001.024	AR5461724B	AR546AA	11/5/17 22:32	1730899999	1.00
9065	25PCBS17309001.025	AR6231724A	AR623AA	11/5/17 22:44	1730899999	1.00
9065	25PCBS17309001.026	AR6831724B	AR683AA	11/5/17 22:55	1730899999	1.00
9065	25PCBS17309001.027	AR2141724A	AR214AA	11/5/17 23:06	1730899999	1.00
9065	25PCBS17309001.028	AR3241724A	AR324AA	11/5/17 23:18	1730899999	1.00
9065	25PCBS17309001.029	AR4241724A	AR424AA	11/5/17 23:29	1730899999	1.00
9065	25PCBS17309001.030	AR16XX1724B	AR16XAA	11/5/17 23:40	1730899999	1.00
9065	25PCBS17309001.031	MD16X1724B	MD16XAA	11/5/17 23:52	1730899999	1.00
9065	25PCBS17309001.032	IC16X1724C	IC16XAA	11/6/17 0:03	1730899999	1.00
9065	25PCBS17309001.033	IC48X1724B	IC48XAA	11/6/17 0:14	1730899999	1.00
9065	25PCBS17309001.034	IC54X1724B	IC54XAA	11/6/17 0:25	1730899999	1.00
9065	25PCBS17309001.035	BLANKA 10/27/17	AFPBLK30300	11/6/17 0:37	173000030A	10.00
9065	25PCBS17309001.036	BLANKB 10/27/17	AFPBLK30300	11/6/17 0:48	173000030A	10.00
9065	25PCBS17309001.037	LOQ 10/27/17 AF		11/6/17 0:59	173000030A	10.00
9065	25PCBS17309001.038	BLANKA 10/27/17	AFPBLK33300	11/6/17 1:11	173000033A	10.00
9065	25PCBS17309001.039	BLANKB 10/27/17	AFPBLK33300	11/6/17 1:22	173000033A	10.00
9065	25PCBS17309001.040	LOD 10/27/17 AF		11/6/17 1:33	173000033A	10.00
9065	25PCBS17309001.041	BLANKA 10/19/17	ACPBLK37292	11/6/17 1:44	172920037A	10.00
9065	25PCBS17309001.042	LOD 10/19/17 ACF		11/6/17 1:56	172920037A	10.00
9065	25PCBS17309001.043	BLANKA 10/19/17	ACPBLK36292	11/6/17 2:07	172920036A	10.00
9065	25PCBS17309001.044	LOD 10/19/17 ACF		11/6/17 2:19	172920036A	10.00
9065	25PCBS17309001.045	AR1641724B	AR164VF	11/6/17 2:30	1730899999	1.00
9065	25PCBS17309001.046	IBLKX1724B	PIBLKIJ	11/6/17 2:41	1730899999	10.00
9065	25PCBS17309001.047	BLANKA 10/19/17	ACPBLK38292	11/6/17 2:52	172920038A	10.00
9065	25PCBS17309001.048	LOD 10/19/17 ACF		11/6/17 3:04	172920038A	10.00
9065	25PCBS17309001.049	BLANKA 10/26/17	AFPBLK30297	11/6/17 3:15	172970030A	10.00
9065	25PCBS17309001.050	LOD 10/26/17 AF		11/6/17 3:26	172970030A	10.00
9065	25PCBS17309001.051	BLANKA 10/24/17	AFPBLK34296	11/6/17 3:37	172960034A	2.00
9065	25PCBS17309001.052	LOD 10/24/17 AF		11/6/17 3:49	172960034A	2.00
9065	25PCBS17309001.053	AR1641724B	AR164VG	11/6/17 4:00	1730899999	1.00
9065	25PCBS17309001.054	IBLKX1724B	PIBLKIK	11/6/17 4:11	1730899999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17292001
Instrument CP 7--19843A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292001.0001	CONDITIONER		10/19/17 19:33	1729199999	1.00
9065	07PCBS17292001.0002	CONDITIONER		10/19/17 19:45	1729199999	1.00
9065	07PCBS17292001.0003	CONDITIONER		10/19/17 19:56	1729199999	1.00
9065	07PCBS17292001.0004	CONDITIONER		10/19/17 20:08	1729199999	1.00
9065	07PCBS17292001.0005	IBLKX1724B	PIBLKAA	10/19/17 20:19	1729199999	10.00
9065	07PCBS17292001.0006	EVALX1724A	EVALXAA	10/19/17 20:30	1729199999	1.00
9065	07PCBS17292001.0007	AR1611724B	AR161AA	10/19/17 20:41	1729199999	1.00
9065	07PCBS17292001.0008	AR1621724B	AR162AA	10/19/17 20:53	1729199999	1.00
9065	07PCBS17292001.0009	AR1631724B	AR163AA	10/19/17 21:04	1729199999	1.00
9065	07PCBS17292001.0010	AR1641724B	AR164AA	10/19/17 21:16	1729199999	1.00
9065	07PCBS17292001.0011	AR1651724B	AR165AA	10/19/17 21:27	1729199999	1.00
9065	07PCBS17292001.0012	AR1661724A	AR166AA	10/19/17 21:39	1729199999	1.00
9065	07PCBS17292001.0013	AR4811724C	AR481AA	10/19/17 21:50	1729199999	1.00
9065	07PCBS17292001.0014	AR4821724C	AR482AA	10/19/17 22:01	1729199999	1.00
9065	07PCBS17292001.0015	AR4831724C	AR483AA	10/19/17 22:13	1729199999	1.00
9065	07PCBS17292001.0016	AR4841724C	AR484AA	10/19/17 22:24	1729199999	1.00
9065	07PCBS17292001.0017	AR4851724C	AR485AA	10/19/17 22:36	1729199999	1.00
9065	07PCBS17292001.0018	AR4861724B	AR486AA	10/19/17 22:47	1729199999	1.00
9065	07PCBS17292001.0019	AR5411724C	AR541AA	10/19/17 22:58	1729199999	1.00
9065	07PCBS17292001.0020	AR5421724C	AR542AA	10/19/17 23:10	1729199999	1.00
9065	07PCBS17292001.0021	AR5431724C	AR543AA	10/19/17 23:21	1729199999	1.00
9065	07PCBS17292001.0022	AR5441724C	AR544AA	10/19/17 23:33	1729199999	1.00
9065	07PCBS17292001.0023	AR5451724C	AR545AA	10/19/17 23:44	1729199999	1.00
9065	07PCBS17292001.0024	AR5461724B	AR546AA	10/19/17 23:55	1729199999	1.00
9065	07PCBS17292001.0025	AR6231724A	AR623AA	10/20/17 0:07	1729199999	1.00
9065	07PCBS17292001.0026	AR6831724B	AR683AA	10/20/17 0:18	1729199999	1.00
9065	07PCBS17292001.0027	AR2141724A	AR214AA	10/20/17 0:30	1729199999	1.00
9065	07PCBS17292001.0028	AR3241724A	AR324AA	10/20/17 0:41	1729199999	1.00
9065	07PCBS17292001.0029	AR4241724A	AR424AA	10/20/17 0:52	1729199999	1.00
9065	07PCBS17292001.0030	AR16XX1724B	AR16XAA	10/20/17 1:04	1729199999	1.00
9065	07PCBS17292001.0031	MD16X1724B	MD16XAA	10/20/17 1:15	1729199999	1.00
9065	07PCBS17292001.0032	IC16X1724C	IC16XAA	10/20/17 1:27	1729199999	1.00
9065	07PCBS17292001.0033	IC48X1724B	IC48XAA	10/20/17 1:38	1729199999	1.00
9065	07PCBS17292001.0034	IC54X1724B	IC54XAA	10/20/17 1:49	1729199999	1.00
9065	07PCBS17292001.0035	BLANKA 10/19/17 C/	PBLK18291	10/20/17 2:01	172910018A	50.00
9065	07PCBS17292001.0036	LCSA 10/19/17 CAF	LCS18291	10/20/17 2:12	172910018A	50.00
9065	07PCBS17292001.0037	LCSB 10/19/17 CAF	LCS18291	10/20/17 2:24	172910018A	50.00
9065	07PCBS17292001.0038	LCSC 10/19/17 CAF	LCSD18291	10/20/17 2:35	172910018A	50.00
9065	07PCBS17292001.0039	LCSD 10/19/17 CAF	LCSD18291	10/20/17 2:47	172910018A	50.00
9065	07PCBS17292001.0040	9267748 CAF	PIT5O	10/20/17 2:58	172910018A	50.00
9065	07PCBS17292001.0041	9267749 CAF	DAFDW	10/20/17 3:10	172910018A	50.00
9065	07PCBS17292001.0042	9268116 CAF DF5	TB008	10/20/17 3:21	172910018A	250.00
9065	07PCBS17292001.0043	BLANKA 10/19/17 AF	PBLK19291	10/20/17 3:32	172910019A	50.00
9065	07PCBS17292001.0044	BLANKB 10/19/17 AF	PBLK19291	10/20/17 3:44	172910019A	50.00
9065	07PCBS17292001.0045	LOD1 10/19/17 AF		10/20/17 3:55	172910019A	50.00
9065	07PCBS17292001.0046	LOD2 10/19/17 AF		10/20/17 4:07	172910019A	50.00
9065	07PCBS17292001.0047	AR1641724B	AR164NY	10/20/17 4:18	1729199999	1.00
9065	07PCBS17292001.0048	IBLKX1724B	PIBLKWT	10/20/17 4:29	1729199999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17292002
Instrument CP 7--19843A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292002.0001	CONDITIONER		10/22/17 17:15	1729499999	1.00
9065	07PCBS17292002.0002	CONDITIONER		10/22/17 17:26	1729499999	1.00
9065	07PCBS17292002.0003	CONDITIONER		10/22/17 17:38	1729499999	1.00
9065	07PCBS17292002.0004	CONDITIONER		10/22/17 17:49	1729499999	1.00
9065	07PCBS17292002.0005	AR1641724B	AR164OQ	10/22/17 18:00	1729499999	1.00
9065	07PCBS17292002.0006	IBLKX1724B	PIBLKXM	10/22/17 18:12	1729499999	10.00
9065	07PCBS17292002.0007	AR4211724A	AR421AA	10/22/17 18:23	1729499999	1.00
9065	07PCBS17292002.0008	AR4221724A	AR422AA	10/22/17 18:35	1729499999	1.00
9065	07PCBS17292002.0009	AR4231724B	AR423AA	10/22/17 18:46	1729499999	1.00
9065	07PCBS17292002.0010	AR4241724A	AR424AA	10/22/17 18:57	1729499999	1.00
9065	07PCBS17292002.0011	AR4251724A	AR425AA	10/22/17 19:09	1729499999	1.00
9065	07PCBS17292002.0012	AR4261724A	AR426AA	10/22/17 19:20	1729499999	1.00
9065	07PCBS17292002.0013	IC42X1724B	IC42XAA	10/22/17 19:32	1729499999	1.00
9065	07PCBS17292002.0014	AR1641724B	AR164OR	10/22/17 19:43	1729499999	1.00
9065	07PCBS17292002.0015	IBLKX1724B	PIBLKXN	10/22/17 19:55	1729499999	10.00
9065	07PCBS17292002.0016	BLANKA 10/15/17 RI	PBLK17286	10/22/17 20:06	172860017A	2.00
9065	07PCBS17292002.0017	LCSA 10/15/17 RI	CALCS17286	10/22/17 20:18	172860017A	2.00
9065	07PCBS17292002.0018	LCSDA 10/15/17 RI	CLCSD17286	10/22/17 20:29	172860017A	2.00
9065	07PCBS17292002.0019	9232655R RI CAF	--466	10/22/17 20:40	172860017A	2.00
9065	07PCBS17292002.0020	9234362R RI CAF	DSWEC	10/22/17 20:52	172860017A	2.00
9065	07PCBS17292002.0021	9237232R RI CAF	GWEFF	10/22/17 21:03	172860017A	2.00
9065	07PCBS17292002.0022	9239553R RI CAF	471-1	10/22/17 21:15	172860017A	2.00
9065	07PCBS17292002.0023	9261908 RI CAF	SUEFH	10/22/17 21:26	172860017A	2.00
9065	07PCBS17292002.0024	9262220 RI CAF	88881	10/22/17 21:37	172860017A	2.00
9065	07PCBS17292002.0025	9262243 RI CAF	88841	10/22/17 21:49	172860017A	2.00
9065	07PCBS17292002.0026	AR1641724B	AR164OS	10/22/17 22:00	1729499999	1.00
9065	07PCBS17292002.0027	IBLKX1724B	PIBLKXO	10/22/17 22:12	1729499999	10.00
9065	07PCBS17292002.0028	BLANKA 10/14/17 RI	PBLK37285	10/22/17 22:23	172850037A	10.00
9065	07PCBS17292002.0029	LCSA 10/14/17 RI	CALCS37285	10/22/17 22:35	172850037A	10.00
9065	07PCBS17292002.0030	LCSDA 10/14/17 RI	CLCSD37285	10/22/17 22:46	172850037A	10.00
9065	07PCBS17292002.0031	9255920 RI CAF	98518	10/22/17 22:57	172850037A	10.00
9065	07PCBS17292002.0032	9255921 RI CAF	98722	10/22/17 23:09	172850037A	10.00
9065	07PCBS17292002.0033	9257649 RI CAF	QWWST	10/22/17 23:20	172850037A	10.00
9065	07PCBS17292002.0034	9258217 RI CAF	23371	10/22/17 23:32	172850037A	10.00
9065	07PCBS17292002.0035	9259923 RI CAF	11911	10/22/17 23:43	172850037A	10.00
9065	07PCBS17292002.0036	9259925 RI CAF	11913	10/22/17 23:54	172850037A	10.00
9065	07PCBS17292002.0037	BLANKA 10/13/17 RI	PBLK45285	10/23/17 0:06	172850045A	2.00
9065	07PCBS17292002.0038	AR1641724B	AR164OT	10/23/17 0:17	1729499999	1.00
9065	07PCBS17292002.0039	IBLKX1724B	PIBLKXP	10/23/17 0:29	1729499999	10.00
9065	07PCBS17292002.0040	LCSA 10/13/17 RI	CALCS45285	10/23/17 0:40	172850045A	2.00
9065	07PCBS17292002.0041	LCSDA 10/13/17 RI	CLCSD45285	10/23/17 0:52	172850045A	2.00
9065	07PCBS17292002.0042	9256122 RI CAF	M1410	10/23/17 1:03	172850045A	2.00
9065	07PCBS17292002.0043	9256244 RI CAF	17551	10/23/17 1:15	172850045A	2.00
9065	07PCBS17292002.0044	9256344 RI CAF	92852	10/23/17 1:26	172850045A	2.00
9065	07PCBS17292002.0045	CONDITIONER		10/23/17 1:37	1729499999	1.00
9065	07PCBS17292002.0046	9259086 RI CAF	24K02	10/23/17 1:49	172850045A	2.00
9065	07PCBS17292002.0047	9259171 RI CAF	41965	10/23/17 2:00	172850045A	2.00
9065	07PCBS17292002.0048	BLANKA 10/17/17 AF	PBLK15290	10/23/17 2:11	172900015A	2.00
9065	07PCBS17292002.0049	LCSA 10/17/17 AF	LCS15290	10/23/17 2:23	172900015A	2.00
9065	07PCBS17292002.0050	AR1641724B	AR164OU	10/23/17 2:34	1729499999	1.00
9065	07PCBS17292002.0051	IBLKX1724B	PIBLKXQ	10/23/17 2:45	1729499999	10.00
9065	07PCBS17292002.0052	LCSDA 10/17/17 AF	LCSD15290	10/23/17 2:57	172900015A	2.00
9065	07PCBS17292002.0053	9263063 RI AF	GW-EF	10/23/17 3:08	172900015A	2.00
9065	07PCBS17292002.0054	9263377 RI AF	O0307	10/23/17 3:20	172900015A	2.00
9065	07PCBS17292002.0055	9264972 RI AF	SE364	10/23/17 3:31	172900015A	2.00
9065	07PCBS17292002.0056	BLANKA 10/19/17 AF	PBLK16292	10/23/17 3:43	172920016A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292002.0057	LCSA 10/19/17 AF	LCS16292	10/23/17 3:54	172920016A	2.00
9065	07PCBS17292002.0058	LCSDA 10/19/17 AF	LCSD16292	10/23/17 4:05	172920016A	2.00
9065	07PCBS17292002.0059	9266095 AF	49201	10/23/17 4:17	172920016A	2.00
9065	07PCBS17292002.0060	9266096 AF	49202	10/23/17 4:28	172920016A	2.00
9065	07PCBS17292002.0061	9266097 AF	49203	10/23/17 4:40	172920016A	2.00
9065	07PCBS17292002.0062	AR1641724B	AR164OV	10/23/17 4:51	1729499999	1.00
9065	07PCBS17292002.0063	IBLKX1724B	PIBLKXR	10/23/17 5:03	1729499999	10.00
9065	07PCBS17292002.0064	9268119 AF	GLBD1	10/23/17 5:14	172920016A	2.00
9065	07PCBS17292002.0065	9268132 AF	94448	10/23/17 5:25	172920016A	2.00
9065	07PCBS17292002.0066	9269964 AF	501-1	10/23/17 5:37	172920016A	2.00
9065	07PCBS17292002.0067	9270404 AF	34081	10/23/17 5:48	172920016A	2.00
9065	07PCBS17292002.0068	BLANKA 10/18/17 AF	PBLK26291	10/23/17 6:00	172910026A	10.00
9065	07PCBS17292002.0069	LCSA 10/18/17 AF	LCS26291	10/23/17 6:11	172910026A	10.00
9065	07PCBS17292002.0070	LCSDA 10/18/17 AF	LCSD26291	10/23/17 6:23	172910026A	10.00
9065	07PCBS17292002.0071	9264840 RI AF	18101	10/23/17 6:34	172910026A	10.00
9065	07PCBS17292002.0072	9265124 RI AF	1BEFF	10/23/17 6:46	172910026A	10.00
9065	07PCBS17292002.0073	9265126 RI AF	1INFC	10/23/17 6:57	172910026A	10.00
9065	07PCBS17292002.0074	AR1641724B	AR164OW	10/23/17 7:08	1729499999	1.00
9065	07PCBS17292002.0075	IBLKX1724B	PIBLKXS	10/23/17 7:20	1729499999	10.00
9065	07PCBS17292002.0076	9266094 RI AF	--494	10/23/17 7:31	172910026A	10.00
9065	07PCBS17292002.0077	AR1641724B	AR164OX	10/23/17 7:43	1729499999	1.00
9065	07PCBS17292002.0078	IBLKX1724B	PIBLKXT	10/23/17 7:54	1729499999	10.00

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Pesticide Residue Analysis
Runlog for 25PCBS17309003
Instrument CP25--18274A

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

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9065	25PCBS17309003.001	CONDITIONER		11/13/17 19:08	1731699999	1.00
9065	25PCBS17309003.002	CONDITIONER		11/13/17 19:19	1731699999	1.00
9065	25PCBS17309003.003	CONDITIONER		11/13/17 19:31	1731699999	1.00
9065	25PCBS17309003.004	CONDITIONER		11/13/17 19:42	1731699999	1.00
9065	25PCBS17309003.005	AR1641724B	AR164WQ	11/13/17 19:53	1731699999	1.00
9065	25PCBS17309003.006	IBLKX1724B	PIBLKLY	11/13/17 20:04	1731699999	10.00
9065	25PCBS17309003.007	BLANKA 11/12/17 AF	PBLK55313	11/13/17 20:15	173130055A	2.00
9065	25PCBS17309003.008	LCSA 11/12/17 AF	LCS55313	11/13/17 20:27	173130055A	2.00
9065	25PCBS17309003.009	LCSDA 11/12/17 AF	LCSD55313	11/13/17 20:38	173130055A	2.00
9065	25PCBS17309003.010	9296365R RI AF	S136I	11/13/17 20:49	173130055A	2.00
9065	25PCBS17309003.011	9303686 RI AF	BS651	11/13/17 21:00	173130055A	2.00
9065	25PCBS17309003.012	9303688 RI AF	BS653	11/13/17 21:12	173130055A	2.00
9065	25PCBS17309003.013	BLANKA 11/9/17 CAF	PBLK05313	11/13/17 21:23	173130005A	10.00
9065	25PCBS17309003.014	LCSA 11/9/17 CAF	LCS05313	11/13/17 21:34	173130005A	10.00
9065	25PCBS17309003.015	LCSDA 11/9/17 CAF	LCSD05313	11/13/17 21:45	173130005A	10.00
9065	25PCBS17309003.016	9300222 CAF	G0021	11/13/17 21:57	173130005A	10.00
9065	25PCBS17309003.017	BLANKA 11/11/17 AC	PBLK19314	11/13/17 22:08	173140019A	10.00
9065	25PCBS17309003.018	LCSA 11/11/17 ACF	LCS19314	11/13/17 22:19	173140019A	10.00
9065	25PCBS17309003.019	9310476 ACF	3-IDW	11/13/17 22:31	173140019A	10.00
9065	25PCBS17309003.020	9311201 ACF	ESRTW	11/13/17 22:42	173140019A	10.00
9065	25PCBS17309003.021	9311201 ACF DF5	ESRTW	11/13/17 22:53	173140019A	50.00
9065	25PCBS17309003.022	9311201MS ACF	ESRTWMS	11/13/17 23:05	173140019A	10.00
9065	25PCBS17309003.023	9311201MS ACF DF5	ESRTWMS	11/13/17 23:16	173140019A	50.00
9065	25PCBS17309003.024	9311201MSD ACF	ESRTWMSD	11/13/17 23:27	173140019A	10.00
9065	25PCBS17309003.025	9311201MSD ACF D	ESRTWMSD	11/13/17 23:39	173140019A	50.00
9065	25PCBS17309003.026	AR1641724B	AR164WR	11/13/17 23:50	1731699999	1.00
9065	25PCBS17309003.027	IBLKX1724B	PIBLKLZ	11/14/17 0:01	1731699999	10.00
9065	25PCBS17309003.028	BLANKA	PBLK36313	11/14/17 0:13	173130036A	1.00
9065	25PCBS17309003.029	LCSA	LCS36313	11/14/17 0:24	173130036A	1.00
9065	25PCBS17309003.030	AR1641724B	AR164WS	11/14/17 0:35	1731699999	1.00
9065	25PCBS17309003.031	IBLKX1724B	PIBLKMA	11/14/17 0:47	1731699999	10.00
9065	25PCBS17309003.032	9304832	P0868	11/14/17 0:58	173130036A	1.00
9065	25PCBS17309003.033	9304832MS	P0868MS	11/14/17 1:09	173130036A	1.00
9065	25PCBS17309003.034	9304832MSD	P0868MSD	11/14/17 1:20	173130036A	1.00
9065	25PCBS17309003.035	BLANKA	PBLK36313	11/14/17 1:32	173130036A	1.00
9065	25PCBS17309003.036	LCSA	LCS36313	11/14/17 1:43	173130036A	1.00
9065	25PCBS17309003.037	AR1641724B	AR164WT	11/14/17 1:55	1731699999	1.00
9065	25PCBS17309003.038	IBLKX1724B	PIBLKMB	11/14/17 2:06	1731699999	10.00
9065	25PCBS17309003.039	9304832	P0868	11/14/17 2:17	173130036A	1.00
9065	25PCBS17309003.040	9304832MS	P0868MS	11/14/17 2:28	173130036A	1.00
9065	25PCBS17309003.041	9304832MSD	P0868MSD	11/14/17 2:40	173130036A	1.00
9065	25PCBS17309003.042	9312084	CC51P	11/14/17 2:51	173130036A	1.00
9065	25PCBS17309003.043	9312085	CFD1P	11/14/17 3:02	173130036A	1.00
9065	25PCBS17309003.044	BLANKA 11/10/17 AC	PBLK25283	11/14/17 3:14	172830025A	10.00
9065	25PCBS17309003.045	LCSA 11/10/17 ACF	LCS25283	11/14/17 3:25	172830025A	10.00
9065	25PCBS17309003.046	AR1641724B	AR164WU	11/14/17 3:36	1731699999	1.00
9065	25PCBS17309003.047	IBLKX1724B	PIBLKMC	11/14/17 3:47	1731699999	10.00
9065	25PCBS17309003.048	9229505 ACF DF20	001A13	11/14/17 3:59	172830025A	2,000.00
9065	25PCBS17309003.049	9229506 ACF DF20	001A14	11/14/17 4:10	172830025A	2,000.00
9065	25PCBS17309003.050	9229507 ACF DF20	01A15	11/14/17 4:22	172830025A	200.00
9065	25PCBS17309003.051	9229508 ACF DF50	01A16	11/14/17 4:33	172830025A	500.00
9065	25PCBS17309003.052	9229513 ACF DF50	02A01	11/14/17 4:44	172830025A	500.00
9065	25PCBS17309003.053	9229514 ACF DF50	02A02	11/14/17 4:55	172830025A	500.00
9065	25PCBS17309003.054	9229515 ACF DF10	002A03	11/14/17 5:06	172830025A	1,000.00
9065	25PCBS17309003.055	9229516MS ACF DF	02A03	11/14/17 5:18	172830025A	1,000.00
9065	25PCBS17309003.056	9229517MSD ACF D	02A03	11/14/17 5:29	172830025A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17309003.057	9229518 ACF	DF10002A04	11/14/17 5:40	172830025A	1,000.00
9065	25PCBS17309003.058	9229519 ACF	DF50 02A05	11/14/17 5:52	172830025A	500.00
9065	25PCBS17309003.059	9229520 ACF	DF50 02A06	11/14/17 6:03	172830025A	500.00
9065	25PCBS17309003.060	9229521 ACF	DF20002A07	11/14/17 6:14	172830025A	2,000.00
9065	25PCBS17309003.061	9229522 ACF	DF50 02A08	11/14/17 6:25	172830025A	500.00
9065	25PCBS17309003.062	9229528 ACF	DF50 03A01	11/14/17 6:37	172830025A	500.00
9065	25PCBS17309003.063	9229529 ACF	DF10 03A02	11/14/17 6:48	172830025A	100.00
9065	25PCBS17309003.064	9229530 ACF	DF10 03A03	11/14/17 6:59	172830025A	100.00
9065	25PCBS17309003.065	9229531 ACF	DF50 03A04	11/14/17 7:11	172830025A	500.00
9065	25PCBS17309003.066	9229536 ACF	DF20 03A07	11/14/17 7:22	172830025A	200.00
9065	25PCBS17309003.067	9229537 ACF	03A08	11/14/17 7:33	172830025A	10.00
9065	25PCBS17309003.068	AR1641724B	AR164WV	11/14/17 7:45	1731699999	1.00
9065	25PCBS17309003.069	IBLKX1724B	PIBLKMD	11/14/17 7:56	1731699999	10.00
9065	25PCBS17309003.070	9229538 ACF	DF50 03A09	11/14/17 8:07	172830025A	500.00
9065	25PCBS17309003.071	9249187 ACF	DF200T2-PC	11/14/17 8:18	172830025A	2,000.00
9065	25PCBS17309003.072	9249187 ACF	DF500T2-PC	11/14/17 8:29	172830025A	5,000.00
9065	25PCBS17309003.073	AR1641724B	AR164WW	11/14/17 8:41	1731699999	1.00
9065	25PCBS17309003.074	IBLKX1724B	PIBLKME	11/14/17 8:52	1731699999	10.00

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Pesticide Residue Analysis
Runlog for 07PCBS17292004
Instrument CP 7--19843A

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Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292004.0001	CONDITIONER		10/24/17 20:57	1729699999	1.00
9065	07PCBS17292004.0002	CONDITIONER		10/24/17 21:09	1729699999	1.00
9065	07PCBS17292004.0003	CONDITIONER		10/24/17 21:20	1729699999	1.00
9065	07PCBS17292004.0004	CONDITIONER		10/24/17 21:31	1729699999	1.00
9065	07PCBS17292004.0005	AR1641724B	AR164PY	10/24/17 21:43	1729699999	1.00
9065	07PCBS17292004.0006	IBLKX1724B	PIBLKZJ	10/24/17 21:54	1729699999	10.00
9065	07PCBS17292004.0007	BLANKA 10/18/17 C	PBLK26291	10/24/17 22:06	172910026A	10.00
9065	07PCBS17292004.0008	LCSA 10/18/17 CAF	LCS26291	10/24/17 22:17	172910026A	10.00
9065	07PCBS17292004.0009	LCSDA 10/18/17 CA	LCSD26291	10/24/17 22:29	172910026A	10.00
9065	07PCBS17292004.0010	9264840 CAF	18101	10/24/17 22:40	172910026A	10.00
9065	07PCBS17292004.0011	BLANKA 10/19/17 C	PBLK16292	10/24/17 22:51	172920016A	2.00
9065	07PCBS17292004.0012	LCSA 10/19/17 CAF	LCS16292	10/24/17 23:03	172920016A	2.00
9065	07PCBS17292004.0013	LCSDA 10/19/17 CA	LCSD16292	10/24/17 23:14	172920016A	2.00
9065	07PCBS17292004.0014	9266096 CAF	49202	10/24/17 23:26	172920016A	2.00
9065	07PCBS17292004.0015	9266097 CAF	49203	10/24/17 23:37	172920016A	2.00
9065	07PCBS17292004.0016	9229472 RI ACF DF2	99A03	10/24/17 23:49	172820027A	2,000.00
9065	07PCBS17292004.0017	AR1641724B	AR164PZ	10/25/17 0:00	1729699999	1.00
9065	07PCBS17292004.0018	IBLKX1724B	PIBLKZK	10/25/17 0:12	1729699999	10.00
9065	07PCBS17292004.0019	9229472 RI ACF DF5	99A03	10/25/17 0:23	172820027A	5,000.00
9065	07PCBS17292004.0020	BLANKA 10/24/17 C	PBLK24296	10/25/17 0:34	172960024A	2.00
9065	07PCBS17292004.0021	LCSA 10/24/17 CAF	LCS24296	10/25/17 0:46	172960024A	2.00
9065	07PCBS17292004.0022	LCSDA 10/24/17 CA	LCSD24296	10/25/17 0:57	172960024A	2.00
9065	07PCBS17292004.0023	9269973 CAF	504-1	10/25/17 1:09	172960024A	2.00
9065	07PCBS17292004.0024	9269974 CAF	504-2	10/25/17 1:20	172960024A	2.00
9065	07PCBS17292004.0025	9269975 CAF	504-3	10/25/17 1:31	172960024A	2.00
9065	07PCBS17292004.0026	9269976 CAF	504-4	10/25/17 1:43	172960024A	2.00
9065	07PCBS17292004.0027	9269977 CAF	504-5	10/25/17 1:54	172960024A	2.00
9065	07PCBS17292004.0028	BLANKA 10/24/17 C	PBLK21296	10/25/17 2:06	172960021A	2.00
9065	07PCBS17292004.0029	AR1641724B	AR164QA	10/25/17 2:17	1729699999	1.00
9065	07PCBS17292004.0030	IBLKX1724B	PIBLKZL	10/25/17 2:29	1729699999	10.00
9065	07PCBS17292004.0031	LCSA 10/24/17 CAF	LCS21296	10/25/17 2:40	172960021A	2.00
9065	07PCBS17292004.0032	LCSDA 10/24/17 CA	LCSD21296	10/25/17 2:52	172960021A	2.00
9065	07PCBS17292004.0033	9276656 CAF	MC101	10/25/17 3:03	172960021A	2.00
9065	07PCBS17292004.0034	9276658 CAF	MC103	10/25/17 3:15	172960021A	2.00
9065	07PCBS17292004.0035	9276661 CAF	MC106	10/25/17 3:26	172960021A	2.00
9065	07PCBS17292004.0036	9276662 CAF	MC107	10/25/17 3:37	172960021A	2.00
9065	07PCBS17292004.0037	9276701 CAF	PADL1	10/25/17 3:49	172960021A	2.00
9065	07PCBS17292004.0038	9276702 CAF	PADL2	10/25/17 4:00	172960021A	2.00
9065	07PCBS17292004.0039	BLANKA 10/22/17 A	PBLK16293	10/25/17 4:12	172930016A	10.00
9065	07PCBS17292004.0040	LCSA 10/22/17 ACF	LCS16293	10/25/17 4:23	172930016A	10.00
9065	07PCBS17292004.0041	AR1641724B	AR164QB	10/25/17 4:35	1729699999	1.00
9065	07PCBS17292004.0042	IBLKX1724B	PIBLKZM	10/25/17 4:46	1729699999	10.00
9065	07PCBS17292004.0043	9265096 RI ACF	B06-1	10/25/17 4:58	172930016A	10.00
9065	07PCBS17292004.0044	9265098 RI ACF	B07-1	10/25/17 5:09	172930016A	10.00
9065	07PCBS17292004.0045	9265100 RI ACF	B08-1	10/25/17 5:21	172930016A	10.00
9065	07PCBS17292004.0046	9265102 RI ACF	B09-1	10/25/17 5:32	172930016A	10.00
9065	07PCBS17292004.0047	9269530 RI ACF	FL105	10/25/17 5:43	172930016A	10.00
9065	07PCBS17292004.0048	9269530 ACF DF5	FL105	10/25/17 5:55	172930016A	50.00
9065	07PCBS17292004.0049	9269530MS ACF	FL105MS	10/25/17 6:06	172930016A	10.00
9065	07PCBS17292004.0050	9269530MS ACF DF	FL105MS	10/25/17 6:18	172930016A	50.00
9065	07PCBS17292004.0051	9269530MSD ACF	FL105MSD	10/25/17 6:29	172930016A	10.00
9065	07PCBS17292004.0052	9269530MSD ACF D	FL105MSD	10/25/17 6:41	172930016A	50.00
9065	07PCBS17292004.0053	9269531 RI ACF	FL106	10/25/17 6:52	172930016A	10.00
9065	07PCBS17292004.0054	9269532 RI ACF	FL107	10/25/17 7:04	172930016A	10.00
9065	07PCBS17292004.0055	9269533 RI ACF	FL108	10/25/17 7:15	172930016A	10.00
9065	07PCBS17292004.0056	9269534 RI ACF	FL109	10/25/17 7:26	172930016A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292004.0057	9269535 RI ACF	FL110	10/25/17 7:38	172930016A	10.00
9065	07PCBS17292004.0058	9270300 RI ACF	95B01	10/25/17 7:49	172930016A	10.00
9065	07PCBS17292004.0059	9270303 RI ACF	95B04	10/25/17 8:01	172930016A	10.00
9065	07PCBS17292004.0060	9270306 RI ACF	95B07	10/25/17 8:12	172930016A	10.00
9065	07PCBS17292004.0061	9270309 RI ACF	95B10	10/25/17 8:24	172930016A	10.00
9065	07PCBS17292004.0062	9270312 RI ACF	95B13	10/25/17 8:35	172930016A	10.00
9065	07PCBS17292004.0063	AR1641724B	AR164QC	10/25/17 8:47	1729699999	1.00
9065	07PCBS17292004.0064	IBLKX1724B	PIBLKZN	10/25/17 8:58	1729699999	10.00
9065	07PCBS17292004.0065	9270315 RI ACF	95B16	10/25/17 9:10	172930016A	10.00
9065	07PCBS17292004.0066	9270318 RI ACF	95B19	10/25/17 9:21	172930016A	10.00
9065	07PCBS17292004.0067	9270321 RI ACF	95B22	10/25/17 9:33	172930016A	10.00
9065	07PCBS17292004.0068	9270324 RI ACF	95B25	10/25/17 9:44	172930016A	10.00
9065	07PCBS17292004.0069	9270327 RI ACF	95B28	10/25/17 9:55	172930016A	10.00
9065	07PCBS17292004.0070	BLANKA 10/15/17 AC	PBLK29285	10/25/17 10:07	172850029A	10.00
9065	07PCBS17292004.0071	LCSA 10/15/17 ACF	LCS29285	10/25/17 10:18	172850029A	10.00
9065	07PCBS17292004.0072	9229532 ACF DF20	03A05	10/25/17 10:30	172850029A	200.00
9065	07PCBS17292004.0073	9229533MS ACF DF	03A05	10/25/17 10:41	172850029A	200.00
9065	07PCBS17292004.0074	9229534MSD ACF D	03A05	10/25/17 10:53	172850029A	200.00
9065	07PCBS17292004.0075	9229535 ACF DF10	03A06	10/25/17 11:04	172850029A	100.00
9065	07PCBS17292004.0076	9229539 ACF DF50	03A10	10/25/17 11:16	172850029A	500.00
9065	07PCBS17292004.0077	9229540 ACF DF50	03A11	10/25/17 11:27	172850029A	500.00
9065	07PCBS17292004.0078	9229541 ACF DF10	03A12	10/25/17 11:38	172850029A	100.00
9065	07PCBS17292004.0079	9229542 ACF DF20	03A13	10/25/17 11:50	172850029A	200.00
9065	07PCBS17292004.0080	9229543 ACF DF20	03A14	10/25/17 12:01	172850029A	200.00
9065	07PCBS17292004.0081	9229544 ACF DF10	03A15	10/25/17 12:13	172850029A	100.00
9065	07PCBS17292004.0082	9229545 ACF DF5	03A16	10/25/17 12:24	172850029A	50.00
9065	07PCBS17292004.0083	BLANKA 10/24/17 AC	PBLK32296	10/25/17 12:36	172960032A	10.00
9065	07PCBS17292004.0084	LCSA 10/24/17 ACF	LCS32296	10/25/17 12:47	172960032A	10.00
9065	07PCBS17292004.0085	AR1641724B	AR164QD	10/25/17 12:59	1729699999	1.00
9065	07PCBS17292004.0086	IBLKX1724B	PIBLKZO	10/25/17 13:10	1729699999	10.00
9065	07PCBS17292004.0087	9276703 RI ACF	PDS1A	10/25/17 13:21	172960032A	10.00
9065	07PCBS17292004.0088	9276703MS ACF	PDS1AMS	10/25/17 13:33	172960032A	10.00
9065	07PCBS17292004.0089	9276703MSD ACF	PDS1AMSD	10/25/17 13:44	172960032A	10.00
9065	07PCBS17292004.0090	9276706 RI ACF	PDS2A.	10/25/17 13:56	172960032A	10.00
9065	07PCBS17292004.0091	BLANKA 10/13/17 AF	PBLK26285	10/25/17 14:07	172850026A	10.00
9065	07PCBS17292004.0092	LCSA 10/13/17 AF	LCS26285	10/25/17 14:19	172850026A	10.00
9065	07PCBS17292004.0093	LCSDA 10/13/17 AF	LCSD26285	10/25/17 14:30	172850026A	10.00
9065	07PCBS17292004.0094	9232214 RI AF	38-17	10/25/17 14:42	172850026A	10.00
9065	07PCBS17292004.0095	9232215 RI AF	38-18	10/25/17 14:53	172850026A	10.00
9065	07PCBS17292004.0096	9232216 RI AF	38-19	10/25/17 15:04	172850026A	10.00
9065	07PCBS17292004.0097	9232217 RI AF	38-20	10/25/17 15:16	172850026A	10.00
9065	07PCBS17292004.0098	9232218 RI AF	38-21	10/25/17 15:27	172850026A	10.00
9065	07PCBS17292004.0099	9232219 RI AF	38-22	10/25/17 15:39	172850026A	10.00
9065	07PCBS17292004.0100	9232220 RI AF	38-23	10/25/17 15:50	172850026A	10.00
9065	07PCBS17292004.0101	9232221 RI AF	38-24	10/25/17 16:02	172850026A	10.00
9065	07PCBS17292004.0102	AR1641724B	AR164QE	10/25/17 16:13	1729699999	1.00
9065	07PCBS17292004.0103	IBLKX1724B	PIBLKZP	10/25/17 16:25	1729699999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17292003
Instrument CP 7--19843A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292003.0001	CONDITIONER		10/23/17 19:30	1729599999	1.00
9065	07PCBS17292003.0002	CONDITIONER		10/23/17 19:41	1729599999	1.00
9065	07PCBS17292003.0003	CONDITIONER		10/23/17 19:52	1729599999	1.00
9065	07PCBS17292003.0004	CONDITIONER		10/23/17 20:04	1729599999	1.00
9065	07PCBS17292003.0005	AR1641724B	AR164OY	10/23/17 20:15	1729599999	1.00
9065	07PCBS17292003.0006	IBLKX1724B	PIBLKYH	10/23/17 20:27	1729599999	10.00
9065	07PCBS17292003.0007	BLANKA 10/23/17 C/	PBLK25293	10/23/17 20:38	172930025A	2.00
9065	07PCBS17292003.0008	LCSA 10/23/17 CAF	LCS25293	10/23/17 20:49	172930025A	2.00
9065	07PCBS17292003.0009	LCSDA 10/23/17 CA	ILCSD25293	10/23/17 21:01	172930025A	2.00
9065	07PCBS17292003.0010	9271960 CAF	MH07P	10/23/17 21:12	172930025A	2.00
9065	07PCBS17292003.0011	9271961 CAF	MH-08	10/23/17 21:24	172930025A	2.00
9065	07PCBS17292003.0012	9271962 CAF	MH-09	10/23/17 21:35	172930025A	2.00
9065	07PCBS17292003.0013	9271963 CAF	MH-10	10/23/17 21:46	172930025A	2.00
9065	07PCBS17292003.0014	9271964 CAF	MH-11	10/23/17 21:58	172930025A	2.00
9065	07PCBS17292003.0015	9271965 CAF	MH-12	10/23/17 22:09	172930025A	2.00
9065	07PCBS17292003.0016	9271966 CAF	MH-13	10/23/17 22:21	172930025A	2.00
9065	07PCBS17292003.0017	AR1641724B	AR164OZ	10/23/17 22:32	1729599999	1.00
9065	07PCBS17292003.0018	IBLKX1724B	PIBLKYI	10/23/17 22:44	1729599999	10.00
9065	07PCBS17292003.0019	9271967 CAF	MH-14	10/23/17 22:55	172930025A	2.00
9065	07PCBS17292003.0020	9271968 CAF	MHEB1	10/23/17 23:06	172930025A	2.00
9065	07PCBS17292003.0021	9271969 CAF	MHEB2	10/23/17 23:18	172930025A	2.00
9065	07PCBS17292003.0022	BLANKA 10/23/17 C/	PBLK24293	10/23/17 23:29	172930024A	2.00
9065	07PCBS17292003.0023	LCSA 10/23/17 CAF	LCS24293	10/23/17 23:41	172930024A	2.00
9065	07PCBS17292003.0024	9271950 CAF	MH-5A	10/23/17 23:52	172930024A	2.00
9065	07PCBS17292003.0025	9271951MS CAF	MH-5A	10/24/17 0:04	172930024A	2.00
9065	07PCBS17292003.0026	9271952MSD CAF	MH-5A	10/24/17 0:15	172930024A	2.00
9065	07PCBS17292003.0027	9271953 CAF	MH5AP	10/24/17 0:27	172930024A	2.00
9065	07PCBS17292003.0028	9271954 CAF	MH-01	10/24/17 0:38	172930024A	2.00
9065	07PCBS17292003.0029	AR1641724B	AR164PA	10/24/17 0:49	1729599999	1.00
9065	07PCBS17292003.0030	IBLKX1724B	PIBLKYJ	10/24/17 1:01	1729599999	10.00
9065	07PCBS17292003.0031	9271955 CAF	MH-02	10/24/17 1:12	172930024A	2.00
9065	07PCBS17292003.0032	9271956 CAF	MH-03	10/24/17 1:24	172930024A	2.00
9065	07PCBS17292003.0033	9271957 CAF	MH-04	10/24/17 1:35	172930024A	2.00
9065	07PCBS17292003.0034	9271958 CAF	MH-06	10/24/17 1:47	172930024A	2.00
9065	07PCBS17292003.0035	9271959 CAF	MH-07	10/24/17 1:58	172930024A	2.00
9065	07PCBS17292003.0036	BLANKA 10/19/17 AF	PBLK16291	10/24/17 2:10	172910016A	5.00
9065	07PCBS17292003.0037	LCSA 10/19/17 AF	LCS16291	10/24/17 2:21	172910016A	5.00
9065	07PCBS17292003.0038	LCSDA 10/19/17 AF	LCSD16291	10/24/17 2:33	172910016A	5.00
9065	07PCBS17292003.0039	8980214 RI AF	4MTH1	10/24/17 2:44	172910016A	5.00
9065	07PCBS17292003.0040	8980215 RI AF	4MTH2	10/24/17 2:55	172910016A	5.00
9065	07PCBS17292003.0041	AR1641724B	AR164PB	10/24/17 3:07	1729599999	1.00
9065	07PCBS17292003.0042	IBLKX1724B	PIBLKYK	10/24/17 3:18	1729599999	10.00
9065	07PCBS17292003.0043	8980216 RI AF	4MTH3	10/24/17 3:30	172910016A	5.00
9065	07PCBS17292003.0044	8980217 RI AF	4MTH4	10/24/17 3:41	172910016A	5.00
9065	07PCBS17292003.0045	BLANKA 10/20/17 AF	PBLK02293	10/24/17 3:53	172930002A	2.00
9065	07PCBS17292003.0046	LCSA 10/20/17 AF	LCS02293	10/24/17 4:04	172930002A	2.00
9065	07PCBS17292003.0047	9267619 RI AF	S124S	10/24/17 4:16	172930002A	2.00
9065	07PCBS17292003.0048	9267620MS AF	S124S	10/24/17 4:27	172930002A	2.00
9065	07PCBS17292003.0049	9267621MSD AF	S124S	10/24/17 4:39	172930002A	2.00
9065	07PCBS17292003.0050	9270449 RI AF	R0904	10/24/17 4:50	172930002A	2.00
9065	07PCBS17292003.0051	9272426 RI AF	M9701	10/24/17 5:01	172930002A	2.00
9065	07PCBS17292003.0052	9272429 RI AF	M9704	10/24/17 5:13	172930002A	2.00
9065	07PCBS17292003.0053	AR1641724B	AR164PC	10/24/17 5:24	1729599999	1.00
9065	07PCBS17292003.0054	IBLKX1724B	PIBLKYL	10/24/17 5:36	1729599999	10.00
9065	07PCBS17292003.0055	9272430 RI AF	M9705	10/24/17 5:47	172930002A	2.00
9065	07PCBS17292003.0056	9272431 RI AF	M9706	10/24/17 5:59	172930002A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292003.0057	BLANKA 10/17/17 AF	PBLK10290	10/24/17 6:10	172900010A	2.00
9065	07PCBS17292003.0058	LCSA 10/17/17 AF	LCS10290	10/24/17 6:22	172900010A	2.00
9065	07PCBS17292003.0059	LCSDA 10/17/17 AF	LCSD10290	10/24/17 6:33	172900010A	2.00
9065	07PCBS17292003.0060	9256033 RI AF	41O18	10/24/17 6:44	172900010A	2.00
9065	07PCBS17292003.0061	9256044 RI AF	42O11	10/24/17 6:56	172900010A	2.00
9065	07PCBS17292003.0062	9265024 RI AF	M9303	10/24/17 7:07	172900010A	2.00
9065	07PCBS17292003.0063	9265025 RI AF	M9304	10/24/17 7:19	172900010A	2.00
9065	07PCBS17292003.0064	9265026 RI AF	M9305	10/24/17 7:30	172900010A	2.00
9065	07PCBS17292003.0065	AR1641724B	AR164PD	10/24/17 7:42	1729599999	1.00
9065	07PCBS17292003.0066	IBLKX1724B	PIBLKYM	10/24/17 7:53	1729599999	10.00
9065	07PCBS17292003.0067	9265027 RI AF	M9306	10/24/17 8:05	172900010A	2.00
9065	07PCBS17292003.0068	9265028 RI AF	M9307	10/24/17 8:16	172900010A	2.00
9065	07PCBS17292003.0069	BLANKA 10/14/17 AC	PBLK14286	10/24/17 8:28	172860014A	10.00
9065	07PCBS17292003.0070	LCSA 10/14/17 ACF	LCS14286	10/24/17 8:39	172860014A	10.00
9065	07PCBS17292003.0071	AR1641724B	AR164PE	10/24/17 8:51	1729599999	1.00
9065	07PCBS17292003.0072	IBLKX1724B	PIBLKYN	10/24/17 9:02	1729599999	10.00
9065	07PCBS17292003.0073	9229546 ACF DF50	03A17	10/24/17 9:14	172860014A	500.00
9065	07PCBS17292003.0074	9229547 ACF DF10	03A18	10/24/17 9:25	172860014A	100.00
9065	07PCBS17292003.0075	9229548 ACF DF20	04A01	10/24/17 9:37	172860014A	200.00
9065	07PCBS17292003.0076	9229550 ACF DF10	04A03	10/24/17 9:48	172860014A	100.00
9065	07PCBS17292003.0077	9229551MS ACF DF	04A03	10/24/17 9:59	172860014A	100.00
9065	07PCBS17292003.0078	9229552MSD ACF D	04A03	10/24/17 10:11	172860014A	100.00
9065	07PCBS17292003.0079	9229553 ACF DF10	04A04	10/24/17 10:22	172860014A	100.00
9065	07PCBS17292003.0080	9229554 ACF DF50	04A05	10/24/17 10:34	172860014A	500.00
9065	07PCBS17292003.0081	9229555 ACF DF5	04A06	10/24/17 10:45	172860014A	50.00
9065	07PCBS17292003.0082	9229556 ACF DF100	04A07	10/24/17 10:57	172860014A	1,000.00
9065	07PCBS17292003.0083	9229557 RI ACF	04A08	10/24/17 11:08	172860014A	10.00
9065	07PCBS17292003.0084	9229558 ACF DF50	04A09	10/24/17 11:19	172860014A	500.00
9065	07PCBS17292003.0085	9229559 ACF DF20	04A10	10/24/17 11:31	172860014A	200.00
9065	07PCBS17292003.0086	9229560 ACF DF10	04A11	10/24/17 11:42	172860014A	100.00
9065	07PCBS17292003.0087	9229561 ACF DF200	04A12	10/24/17 11:54	172860014A	2,000.00
9065	07PCBS17292003.0088	9239049 ACF DF50	A0901	10/24/17 12:05	172860014A	500.00
9065	07PCBS17292003.0089	9239052 ACF DF100	A0904	10/24/17 12:16	172860014A	1,000.00
9065	07PCBS17292003.0090	9239052 ACF DF200	A0904	10/24/17 12:28	172860014A	2,000.00
9065	07PCBS17292003.0091	9239055 ACF DF20	A0907	10/24/17 12:39	172860014A	200.00
9065	07PCBS17292003.0092	BLANKA 10/17/17 AC	PBLK27289	10/24/17 12:51	172890027A	10.00
9065	07PCBS17292003.0093	AR1641724B	AR164PF	10/24/17 13:02	1729599999	1.00
9065	07PCBS17292003.0094	IBLKX1724B	PIBLKYO	10/24/17 13:14	1729599999	10.00
9065	07PCBS17292003.0095	LCSA 10/17/17 ACF	LCS27289	10/24/17 13:25	172890027A	10.00
9065	07PCBS17292003.0096	9229238R ACF DF10	92A14	10/24/17 13:37	172890027A	100.00
9065	07PCBS17292003.0097	9229238RDUP ACF	92A14DUP	10/24/17 13:48	172890027A	100.00
9065	07PCBS17292003.0098	9229258R ACF DF10	93A14	10/24/17 13:59	172890027A	100.00
9065	07PCBS17292003.0099	9229258RDUP ACF	93A14DUP	10/24/17 14:11	172890027A	100.00
9065	07PCBS17292003.0100	9229259R ACF DF10	93A15	10/24/17 14:22	172890027A	1,000.00
9065	07PCBS17292003.0101	9229259RDUP ACF	93A15DUP	10/24/17 14:34	172890027A	1,000.00
9065	07PCBS17292003.0102	9229549 ACF DF20	04A02	10/24/17 14:45	172890027A	200.00
9065	07PCBS17292003.0103	9233682 ACF DF20	T250-	10/24/17 14:57	172890027A	200.00
9065	07PCBS17292003.0104	9233683 ACF DF20	T250W	10/24/17 15:08	172890027A	200.00
9065	07PCBS17292003.0105	9233684 ACF DF5	T250E	10/24/17 15:20	172890027A	50.00
9065	07PCBS17292003.0106	9233685 ACF DF10	T251-	10/24/17 15:31	172890027A	100.00
9065	07PCBS17292003.0107	9233685MS ACF DF	T251-MS	10/24/17 15:43	172890027A	100.00
9065	07PCBS17292003.0108	9233685MSD ACF D	T251-MSD	10/24/17 15:54	172890027A	100.00
9065	07PCBS17292003.0109	9233686 ACF DF5	T251W	10/24/17 16:06	172890027A	50.00
9065	07PCBS17292003.0110	9233687 ACF DF5	T251E	10/24/17 16:17	172890027A	50.00
9065	07PCBS17292003.0111	9233688 ACF DF20	T251N	10/24/17 16:28	172890027A	200.00
9065	07PCBS17292003.0112	9233689 ACF DF100	T331-	10/24/17 16:40	172890027A	1,000.00
9065	07PCBS17292003.0113	9233689 ACF DF200	T331-	10/24/17 16:51	172890027A	2,000.00
9065	07PCBS17292003.0114	9233690 ACF DF5	T331W	10/24/17 17:03	172890027A	50.00
9065	07PCBS17292003.0115	AR1641724B	AR164PG	10/24/17 17:14	1729599999	1.00
9065	07PCBS17292003.0116	IBLKX1724B	PIBLKYP	10/24/17 17:26	1729599999	10.00
9065	07PCBS17292003.0117	9233691 ACF DF5	T331E	10/24/17 17:37	172890027A	50.00
9065	07PCBS17292003.0118	9233692 ACF DF100	T332-	10/24/17 17:49	172890027A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292003.0119	9233692 ACF DF20	CT332-	10/24/17 18:00	172890027A	2,000.00
9065	07PCBS17292003.0120	9233693 ACF DF20	T332W	10/24/17 18:12	172890027A	200.00
9065	07PCBS17292003.0121	AR1641724B	AR164PH	10/24/17 18:23	1729599999	1.00
9065	07PCBS17292003.0122	IBLKX1724B	PIBLKYQ	10/24/17 18:35	1729599999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATH03

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

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Data Summary

Sample Name: 9229528 ACF DF50 03A01 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 06:37:12
Instrument	18274A
Result file	25PCBS17309003.062.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 113% (61 - 152) Conc: 33.59885
%SSR(DCB) 110% (48 - 164) Conc: 28.91912

Analysis Report (B)

Injected on	Nov 14, 2017 06:37:12
Instrument	18274B
Result file	25PCBS17309003B.062.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 91% (61 - 152) Conc: 27.1834
%SSR(DCB) * 249% (48 - 164) Conc: 65.8138

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	95224	33.59885
Decachlorobiphenyl	6.78	6.81	6.84	49920	28.91912

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	136247	27.1834
Decachlorobiphenyl	6.34	6.37	6.40	155421	65.8138

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	33.59885				21.11	
☑	Tetrachloro-m-xylene-D1	A	33.59885					
☑	Tetrachloro-m-xylene-D2	B	27.1834					
☐	Decachlorobiphenyl	A	28.91912			P	77.89	
☑	Decachlorobiphenyl-D1	A	28.91912					
☑	Decachlorobiphenyl-D2	B	65.8138					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.50**	
4.92	4.94	4.96	615659.3	7543.910444			1
5.12	5.15	5.16	672151.1	8625.607192			2
5.33	5.35	5.37	1002825	9143.193592			3
5.56	5.58	5.60	399602.6	6750.603282			4
5.80	5.82	5.84	1243506	7971.077153			5
6.00	6.03	6.04	735643.1	7800.439075			6

Height summation: **4669387.1**
Concentration CF: **7972.47179** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.72**	
4.69	4.70	4.72	1228876	8408.989889			1
4.80	4.81	4.84	930446.9	7207.054794			2
4.93	4.95	4.97	1344701	9350.503455			3
5.16	5.18	5.20	621606.6	6557.220888			4
5.35	5.37	5.39	1492562	7061.262694			5
5.61	5.63	5.65	1036140	7133.193152			6

Height summation: **6654332.5**
Concentration CF: **7619.704145** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2480.5448	<481.5175	D1		4	
☑	PCB-1221			<2480.5448	<744.1634	D1		3	
☑	PCB-1232			<2480.5448	<598.249	D1		4	
☑	PCB-1242			<2480.5448	<598.249	D1		4	
☑	PCB-1248			<2480.5448	<481.5175	D1		4	
☑	PCB-1254			<2480.5448	<642.0234	D1		4	
☑	PCB-1260	A	7972.47179	2480.5448	569.0662	D1	4.52	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:04:56

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229528** ACF DF50 03A01 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274A
Result file : 25PCBS17309003.062.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 113% (61-152) Conc.: 33.59885
%SSR(DCB) : 110% (48-164) Conc.: 28.91912

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**41.00**	
3.29	3.32	3.33	34371.93	704.85225			1
3.51	3.54	3.55	36352.38	743.190595			2
3.63	3.65	3.67	94798.82	1553.303554			3
3.86	3.88	3.90	111676	1797.634247			4
3.92	3.94	3.96	59556.89	1089.776192			5
4.12	4.14	4.15	75664.94	1941.247694			6
Height Summation:			**412420.96**				
Amount Avg CF:			**1305.000755**	Linear:			
Aroclor-1221					**3**	**34.87**	
3.19	3.21	3.23	16577.68	709.290083			1
3.25	3.27	3.29	7050.299	341.698387			2
3.30	3.32	3.34	34371.93	530.364305			3
Height Summation:			**57999.909**				
Amount Avg CF:			**527.117592**	Linear:			
Aroclor-1232					**6**	**52.58**	
3.30	3.32	3.34	34371.93	654.262117			1
3.51	3.54	3.55	36352.38	1664.780924			2
3.63	3.65	3.67	94798.82	3516.217619			3
3.86	3.88	3.90	111676	3995.502278			4
3.92	3.94	3.96	59556.89	2563.370009			5
4.12	4.14	4.16	75664.94	4584.084008			6
Height Summation:			**412420.96**				
Amount Avg CF:			**2829.702826**	Linear:			
Aroclor-1242					**6**	**39.56**	
3.30	3.32	3.34	34371.93	893.100812			1
3.51	3.54	3.55	36352.38	961.850394			2
3.63	3.65	3.67	94798.82	2068.790515			3
3.86	3.88	3.90	111676	2262.708964			4
3.92	3.94	3.96	59556.89	1463.400731			5
4.12	4.14	4.16	75664.94	2403.969836			6
Height Summation:			**412420.96**				
Amount Avg CF:			**1675.636875**	Linear:			
Aroclor-1248					**6**	**63.08**	
3.85	3.88	3.89	111676	3508.105151			1
3.92	3.94	3.96	59556.89	1975.8583			2
3.98	4.01	4.02	130916.7	2551.519463			3
4.21	4.22	4.25	101780.6	2140.843234			4
4.39	4.40	4.43	264113.8	5027.629877			5
+ 4.39	4.42	4.43	74221.91	1412.87692			5
4.53	4.55	4.57	434120.3	8478.800377			6
Height Summation:			**1102164.29**				
Amount Avg CF:			**3947.126067**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274B
Result file : 25PCBS17309003B.062.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.1834
%SSR(DCB) : *249% (48-164) Conc.: 65.8138

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**100.95**	
3.05	3.07	3.09	30056.25	354.799218			1
+ 3.05	3.08	3.09	28829.27	340.315324			1
3.38	3.40	3.42	138437.2	1421.6917			2
3.58	3.59	3.62	85797.14	995.839336			3
+ 3.58	3.60	3.62	15437.5	179.181611			3
+ 3.58	3.62	3.62	69748.41	809.563236			3
3.66	3.68	3.70	101851.5	1072.179782			4
3.72	3.74	3.76	416246.5	5616.127854			5
+ 3.72	3.75	3.76	289496.6	3905.978594			5
3.83	3.84	3.87	132746.6	1796.449383			6
Height Summation:			**905135.19**				
Amount Avg CF:			**1876.181212**	Linear:			
Aroclor-1221					**3**	**53.27**	
2.93	2.95	2.97	29942.44	653.119241			1
+ 2.99	3.00	3.03	3774.89	141.107777			2
2.99	3.02	3.03	8097.468	302.688478			2
3.05	3.07	3.09	30056.25	259.641258			3
+ 3.05	3.08	3.09	28829.27	249.041977			3
Height Summation:			**68096.158**				
Amount Avg CF:			**405.149659**	Linear:			
Aroclor-1232					**6**	**117.93**	
3.05	3.07	3.09	30056.25	324.776923			1
+ 3.05	3.08	3.09	28829.27	311.518623			1
3.38	3.40	3.42	138437.2	3285.148826			2
3.58	3.59	3.62	85797.14	2015.322054			3
+ 3.58	3.60	3.62	15437.5	362.617381			3
+ 3.58	3.62	3.62	69748.41	1638.347256			3
3.66	3.68	3.70	101851.5	2500.643354			4
E 3.71	3.74	3.75	416246.5	15605.200167			5
E+ 3.71	3.75	3.75	289496.6	10853.310216			5
3.82	3.84	3.86	132746.6	4342.929794			6
Height Summation:			**905135.19**				
Amount Avg CF:			**4679.00352**	Linear:			
Aroclor-1242					**6**	**109.27**	
3.05	3.07	3.09	30056.25	449.897092			1
+ 3.05	3.08	3.09	28829.27	431.531037			1
3.38	3.40	3.42	138437.2	1876.093259			2
3.58	3.59	3.62	85797.14	1163.539918			3
+ 3.58	3.60	3.62	15437.5	209.356017			3
+ 3.58	3.62	3.62	69748.41	945.894691			3
3.66	3.68	3.70	101851.5	1360.048191			4
3.71	3.74	3.75	416246.5	7939.393072			5
+ 3.71	3.75	3.75	289496.6	5521.793698			5
3.83	3.84	3.87	132746.6	2217.057014			6
Height Summation:			**905135.19**				
Amount Avg CF:			**2501.004758**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229528 ACF DF50 03A01 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274A
Result file : 25PCBS1730900 3.062.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	74.95	
4.73	4.75	4.77	142190	2436.771562			1
+ 4.73	4.77	4.77	28189.84	483.101487			1
4.79	4.82	4.83	484572.2	4156.325613			2
4.92	4.94	4.96	615659.3	17229.022901			3
5.01	5.04	5.05	301832.7	3796.764368			4
5.22	5.24	5.26	442049.2	6587.133188			5
5.33	5.35	5.37	1002825	12335.82907			6
Height Summation:			**2989128.4**				
Amount Avg CF:			**7756.97445**	Linear:			
Aroclor-1260					6	10.50	
4.92	4.94	4.96	615659.3	7543.910444			1
5.12	5.15	5.16	672151.1	8625.607192			2
5.33	5.35	5.37	1002825	9143.193592			3
+ 5.56	5.56	5.60	53495.79	903.719985			4
5.56	5.58	5.60	399602.6	6750.603282			4
5.80	5.82	5.84	1243506	7971.077153			5
6.00	6.03	6.04	735643.1	7800.439075			6
Height Summation:			**4669387.1**				
Amount Avg CF:			**7972.47179**	Linear:			
Aroclor-1262					6	41.61	
5.40	5.42	5.44	385770.1	3769.070188			1
+ 5.56	5.56	5.60	53495.79	618.314097			2
5.56	5.58	5.60	399602.6	4618.679727			2
5.80	5.82	5.84	1243506	6322.51775			3
6.00	6.03	6.04	735643.1	5875.097026			4
6.06	6.06	6.10	73796.46	1223.147262			5
+ 6.06	6.08	6.10	51675.14	856.495095			5
6.44	6.46	6.48	337386.5	4307.790298			6
Height Summation:			**3175704.76**				
Amount Avg CF:			**4352.717042**	Linear:			
Aroclor-1268					6	129.42	
6.00	6.03	6.04	735643.1	3435.511605			1
6.06	6.06	6.10	73796.46	404.438808			2
+ 6.06	6.08	6.10	51675.14	283.20372			2
6.19	6.19	6.23	6962.367	40.353643			3
+ 6.19	6.21	6.23	5332.323	30.905963			3
6.26	6.27	6.30	23290.69	487.955091			4
6.44	6.46	6.48	337386.5	4350.236405			5
6.64	6.66	6.68	69662.77	112.862575			6
Height Summation:			**1246741.887**				
Amount Avg CF:			**1471.893021**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274B
Result file : 25PCBS17309003B.062.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	44.74	
3.58	3.59	3.62	85797.14	2047.408882			1
+ 3.58	3.60	3.62	15437.5	368.390772			1
+ 3.58	3.62	3.62	69748.41	1664.432102			1
3.66	3.68	3.70	101851.5	1875.448385			2
3.69	3.71	3.73	208773	2400.879917			3
3.82	3.84	3.86	132746.6	1300.302145			4
3.92	3.93	3.96	114447.4	1630.287054			5
+ 3.92	3.94	3.96	50418.55	718.205126			5
+ 3.92	3.96	3.96	12953.68	184.523343			5
+ 4.06	4.07	4.10	8003.561	58.925894			6
4.06	4.08	4.10	559084.9	4116.239969			6
Height Summation:			**1202700.54**				
Amount Avg CF:			**2228.427725**	Linear:			
Aroclor-1254					6	79.99	
4.38	4.40	4.42	291170.5	2970.568778			1
+ 4.45	4.45	4.49	60172.23	336.85412			2
4.45	4.47	4.49	456199.3	2553.879318			2
+ 4.45	4.48	4.49	125198.9	700.8842			2
4.54	4.56	4.58	1045806	13433.672925			3
4.62	4.63	4.66	375925.2	3149.708798			4
4.85	4.87	4.89	262240.5	3179.605163			5
4.93	4.95	4.97	1344701	10895.107744			6
Height Summation:			**3776042.5**				
Amount Avg CF:			**6030.423788**	Linear:			
Aroclor-1260					6	13.72	
4.69	4.70	4.72	1228876	8408.989889			1
4.80	4.81	4.84	930446.9	7207.054794			2
4.93	4.95	4.97	1344701	9350.503455			3
5.16	5.18	5.20	621606.6	6557.220888			4
5.35	5.37	5.39	1492562	7061.262694			5
5.61	5.63	5.65	1036140	7133.193152			6
Height Summation:			**6654332.5**				
Amount Avg CF:			**7619.704145**	Linear:			
Aroclor-1262					6	27.48	
4.96	4.98	5.00	453972.2	3121.94935			1
5.16	5.18	5.20	621606.6	4059.078042			2
5.35	5.37	5.39	1492562	4927.360336			3
5.57	5.59	5.61	260704	2322.209735			4
5.61	5.63	5.65	1036140	5017.392974			5
5.99	6.01	6.03	389734.7	3523.401062			6
Height Summation:			**4254719.5**				
Amount Avg CF:			**3828.56525**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229528 ACF DF50 03A01 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.28 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274A
Result file : 25PCBS17309003.062.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 06:37:12
Instrument : CP25--18274B
Result file : 25PCBS17309003B.062.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**119.25**	
5.57	5.59	5.61	260704	836.858547			1
5.61	5.63	5.65	1036140	3418.373999			2
5.77	5.78	5.81	23868.04	95.205605			3
+ 5.84	5.85	5.88	5509.74	86.053919			4
5.84	5.87	5.88	21285.72	332.451191			4
5.99	6.01	6.03	389734.7	3615.649309			5
+ 6.19	6.19	6.23	11985.58	13.623835			6
6.19	6.21	6.23	73365.88	83.39393			6

Height Summation: **1805098.34**
Amount Avg CF: **1396.988763** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2480.5448	481.5175		35.91	4	40	
Aroclor-1221			2480.5448	744.1634		26.17	3	5	
Aroclor-1232			2480.5448	598.249		** 49.26	4	10	
Aroclor-1242			2480.5448	598.249		39.52	4	30	
Aroclor-1248			2480.5448	481.5175		** 55.66	4	40	
Aroclor-1254			2480.5448	642.0234		25.05	4	40	
Aroclor-1260			2480.5448	569.0662		4.52	4	40	
Aroclor-1262			2480.5448	481.5175		12.81	4	40	
Aroclor-1268			2480.5448	481.5175		5.22	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:37:12 AM 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: 25pcbs17309003.062.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.008		485	377
2.03		1855	2083
2.078		642	305
2.099		3244	2161
2.122		1004	637
2.166		7484	6953
2.221		3384	4675
2.259		3923	3082
2.288		1483	939
2.326		31778	27066
2.372		547	235
2.437		11484	8888
2.464		1607	1209
2.514		2520	3801
2.549		2051	1698
2.612		1037	1097
2.648		1095	1205
2.675		953	568
2.698		6814	5684
2.759		3893	2253
2.78		29838	19861
2.821		507	298
2.849		615	311
2.875		685	678
2.901		659	542
2.931		1457	1477
2.958		1887	1164
2.995		921	1202
3.027		466	232
3.059	TCX	95224	72793
3.144		771	698
3.212		16578	14758
3.27		7050	6596
3.317		34372	26497
3.383		36898	33281
3.414		29682	21263
3.453		1331	955
3.49		1197	945
3.536		36352	21659
3.553		33755	24365
3.591		2267	1149
3.607		26824	17745
3.654		94799	68649
3.703		5421	4731
3.729		65385	46420
3.765		4128	2490
3.781		2569	1280
3.804		1062	666
3.846		83589	112559
3.883		111676	102599
3.938		59557	46051
3.982		26504	19560
4.008		130917	98546
4.037		113841	109052

RT A	Compound A	Height A	Area A
4.058		112633	65124
4.138		75665	54201
4.164		50294	35795
4.195		85795	61762
4.222		101781	114915
4.275		31282	24786
4.304		13205	9018
4.321		2144	1064
4.356		74610	60589
4.396		264114	216395
4.416		74222	44529
4.442		165953	142924
4.511		106243	92229
4.555		434120	435771
4.59		160337	135504
4.633		25771	18287
4.656		30993	22490
4.697		233170	230994
4.754		142190	107794
4.769		28190	27248
4.818		484572	440435
4.864		256354	301584
4.904		94363	69728
4.944		615659	573227
4.992		57856	60142
5.037		301833	302011
5.07		18408	12381
5.094		139058	122075
5.147		672151	564872
5.165		113676	62212
5.198		139966	122938
5.239		442049	459618
5.283		31074	20688
5.319		98767	119544
5.354		1002825	932960
5.378		41812	21034
5.396		20373	9345
5.418		385770	329495
5.46		287677	265747
5.563		53496	50637
5.582		399603	315660
5.64		251981	227978
5.679		148670	147887
5.72		27059	27911
5.762		204376	184423
5.79		27572	17120
5.819		1243506	1194039
5.903		775	473
5.934		51749	46100
5.987		582	658
6.026		735643	728520
6.061		73796	78507
6.078		51675	35718
6.195		6962	4987
6.213		5332	3936
6.246		994	567
6.273		23291	17687
6.299		148897	136586
6.365		3912	4276
6.425		3742	2855
6.457		337387	315641
6.507		29337	39795
6.593		1313	2237
6.66		69663	65787
6.698		113473	109829
6.775		944	912

RT A	Compound A	Height A	Area A
6.81	DCB	49920	46309
6.832		1824	1806
6.887		2087	1693
6.911		467	414
6.984		797	763

LANCASTER LABORATORIES

Sample Number: 9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:37:12 AM 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: 25pcbs17309003B.062.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.021		11924	9787
2.049		7162	4629
2.067		18475	12634
2.106		52264	45750
2.153		7862	10730
2.196		8920	7478
2.219		8725	9475
2.256		14932	23794
2.32		6708	9170
2.344		7502	5189
2.366		6584	4391
2.384		8745	4991
2.401		2510	1506
2.42		4553	2279
2.449		4540	3654
2.465		9149	6491
2.525		55592	45078
2.572		6346	4351
2.604		3539	4179
2.622		7377	5245
2.651		7672	9302
2.702		14113	17500
2.732		8659	8814
2.758		3036	1866
2.781	TCX	136247	89833
2.825		34310	32758
2.867		7741	9774
2.927		2273	1202
2.954		29942	20035
2.977		4148	2610
3.002		3775	4320
3.017		8097	4172
3.07		30056	15065
3.081		28829	14316
3.117		2486	2296
3.142		4259	2582
3.162		3363	1889
3.183		46241	32896
3.217		2245	985
3.25		1622	1744
3.279		40873	20384
3.291		35995	18046
3.332		6632	3185
3.354		47899	35125
3.404		138437	112940
3.441		105115	65301
3.495		16748	19859
3.533		1269	340
3.555		6728	4552
3.565		86064	43828
3.585		85797	45738
3.601		15438	7400
3.615		69748	45057
3.679		101852	74610

RT B	Compound B	Height B	Area B
3.71		208773	128614
3.735		416247	245410
3.754		289497	157440
3.772		22027	11594
3.845		132747	94939
3.87		80233	47090
3.892		136814	98626
3.925		114447	67532
3.942		50419	24611
3.957		12954	6019
3.984		41538	39140
4.035		106672	111868
4.065		8004	13273
4.082		559085	381746
4.109		155169	98845
4.131		104177	57762
4.148		165432	103055
4.186		614752	465428
4.221		240332	171854
4.241		125830	74276
4.262		41038	23343
4.304		43298	41480
4.332		219175	261345
4.371		30395	27472
4.401		291171	223920
4.448		60172	62599
4.465		456199	267841
4.479		125199	64358
4.506		179747	185705
4.562		1045806	899645
4.602		95364	94023
4.634		375925	271739
4.659		262134	189583
4.704		1228876	1035862
4.762		70056	55229
4.814		930447	882093
4.867		262241	252080
4.909		281149	250488
4.948		1344701	1178068
4.981		453972	325959
5.021		354990	286887
5.092		9283	9240
5.126		119103	147075
5.178		621607	498599
5.203		191057	137505
5.253		371563	341951
5.289		189362	146491
5.315		114421	97272
5.349		85862	52586
5.37		1492562	1233318
5.412		34469	23991
5.447		55110	50515
5.562		14694	8736
5.586		260704	230804
5.63		1036140	1039392
5.729		3676	2888
5.784		23868	21948
5.827		36173	28893
5.854		5510	3044
5.875		21286	14358
5.904		169754	145984
5.943		2082	1559
5.979		4246	2451
6.006		389735	334977
6.038		25349	19218
6.087		1778	1928

RT B	Compound B	Height B	Area B
6.13		1848	1710
6.189		11986	6954
6.208		73366	56841
6.263		1504	966
6.295		1996	1750
6.324		1840	1234
6.366	DCB	155421	155756
6.406		4954	6417
6.462		1516	1281
6.547		1961	1726
6.583		10219	8296
6.684		3313	5074
6.72		2401	1597
6.746		1889	1896
6.772		6437	4784
6.804		12990	12733
6.856		5793	6718
6.891		4831	5438
6.941		331	3300

9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082

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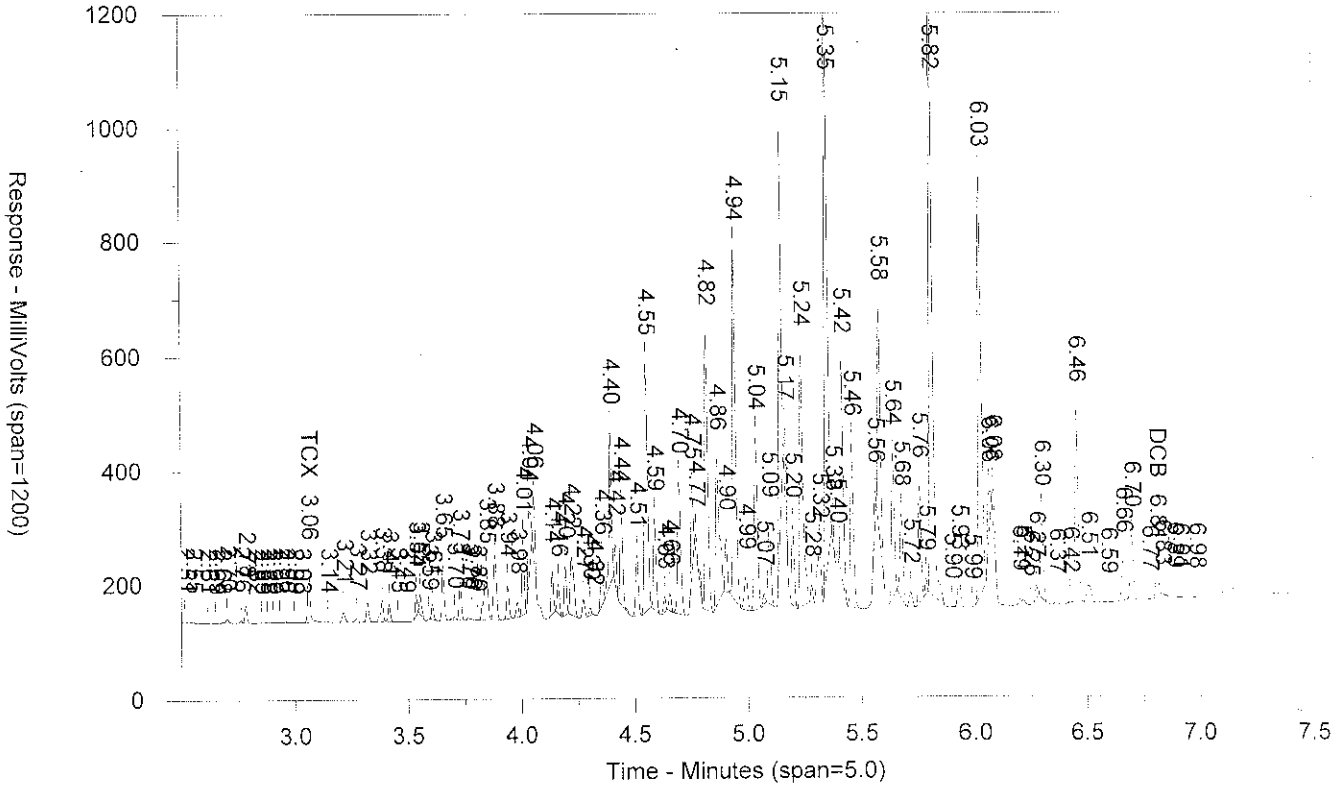

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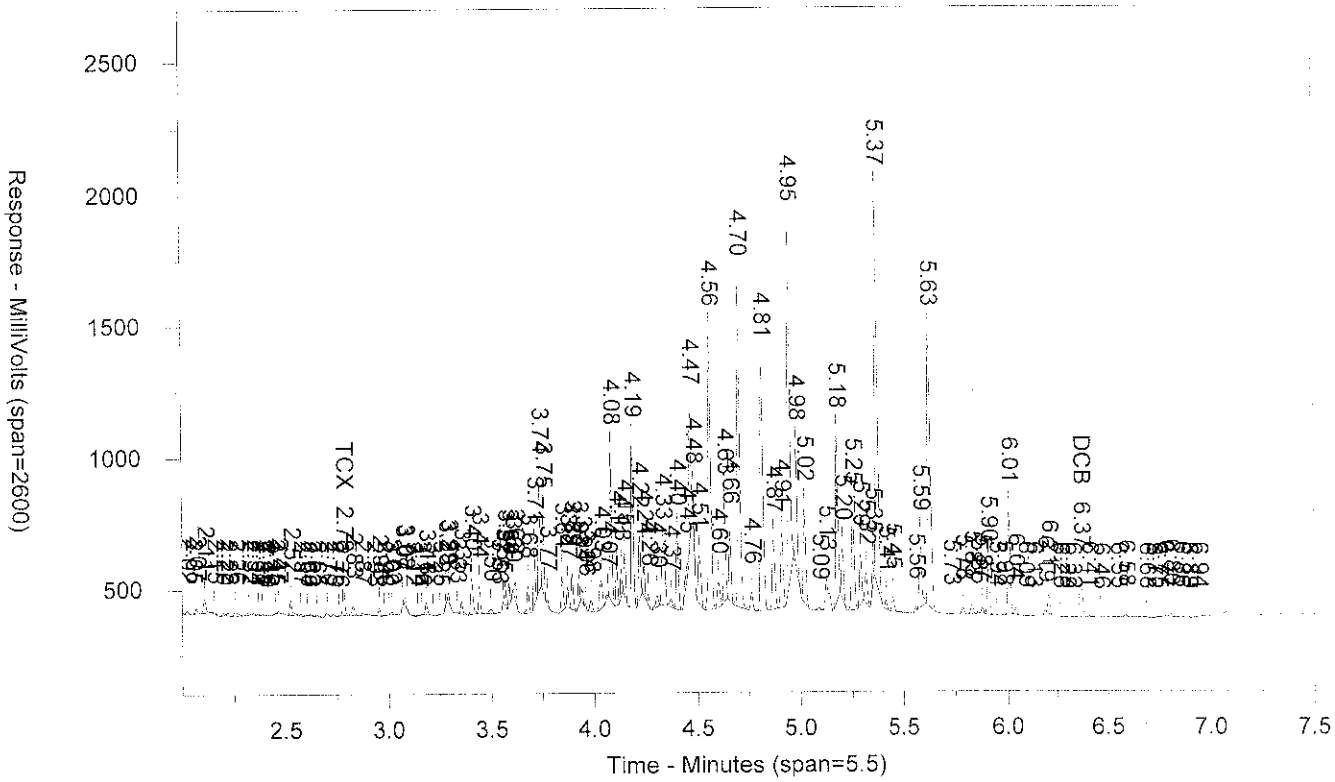

LANCASTER LABORATORIES

Sample Number: 9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:37:12 AM
Sample Weight: 10.28
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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.059	95224	33.599	TCX	2.781	136247	27.183	TCX
6.81	49920	28.919	DCB	6.366	155421	65.814	DCB

Files:
Area File: 25pcbs17309003.062.RAW
Area File: 25pcbs17309003B.062.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 6:45:45 AM
File Reported On: 11/14/2017 at 6:45:59 AM

9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082

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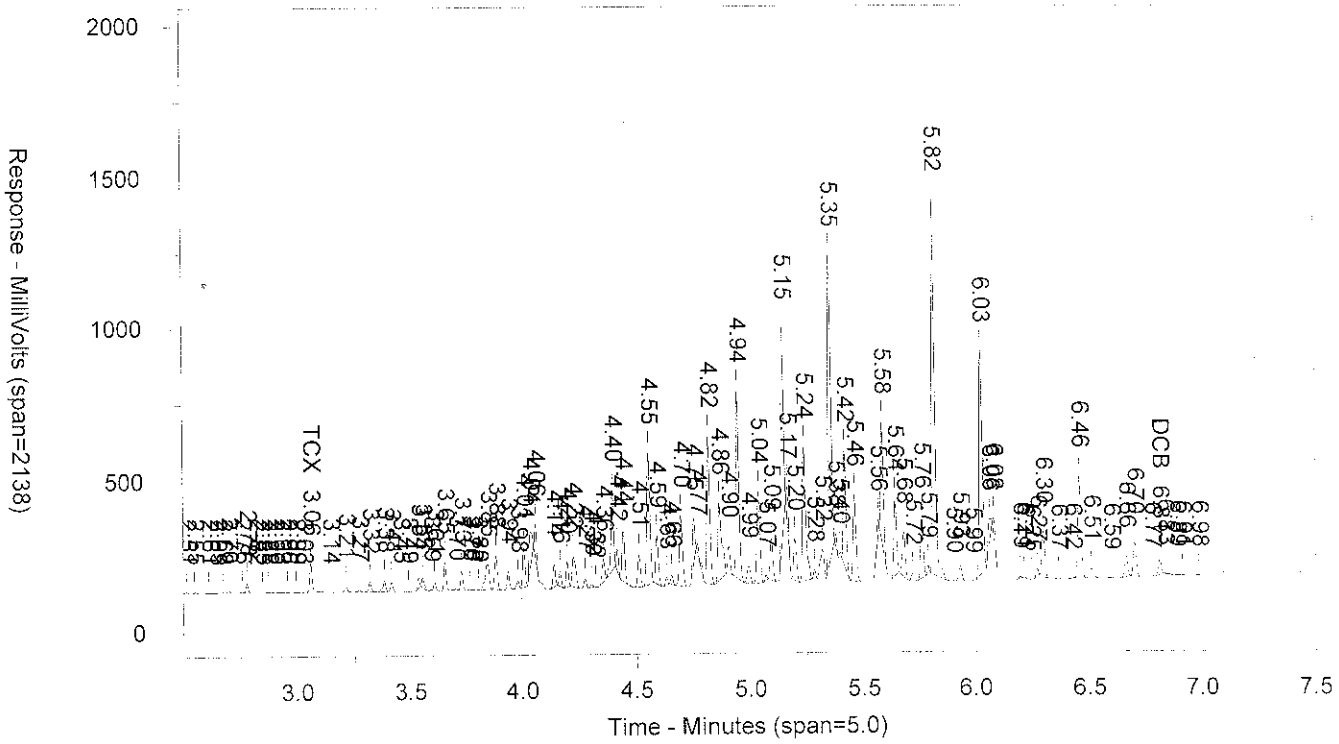

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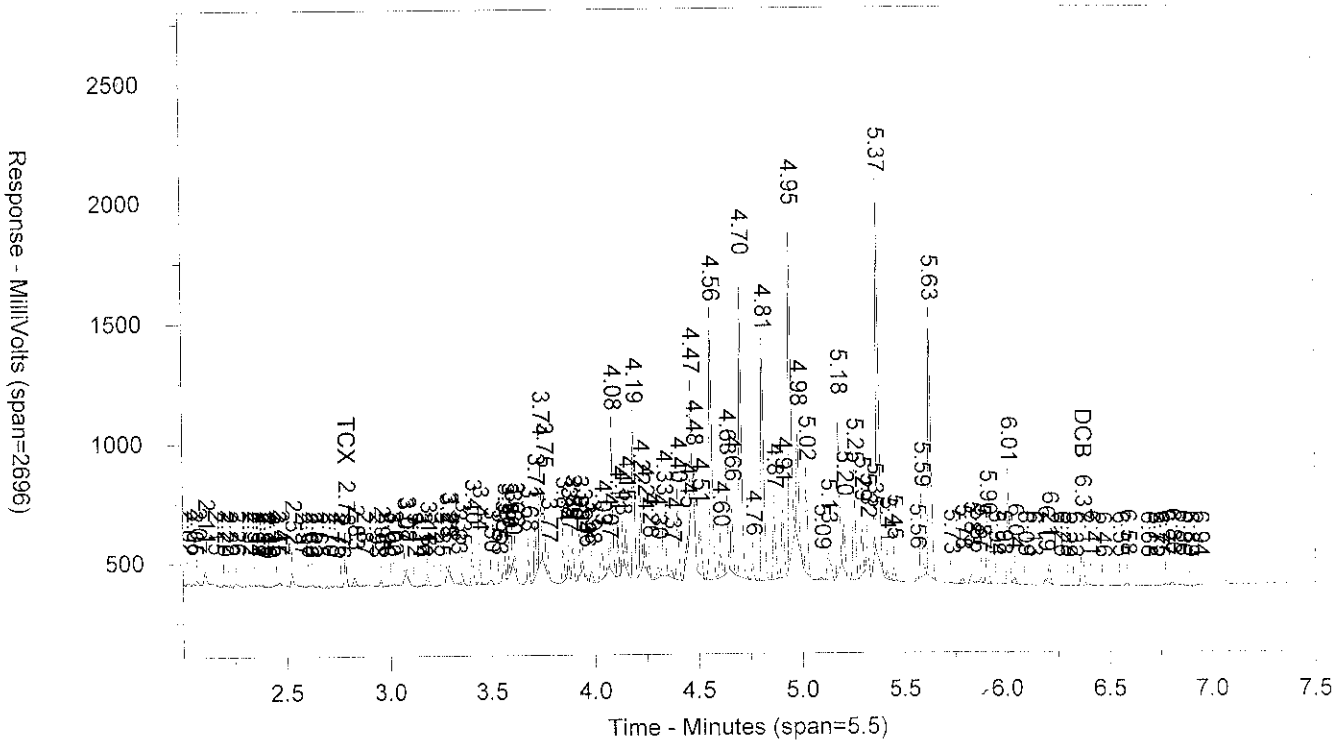

9229528 ACF DF50 AC03A01 T 172830025A 10225 SW-846 8082

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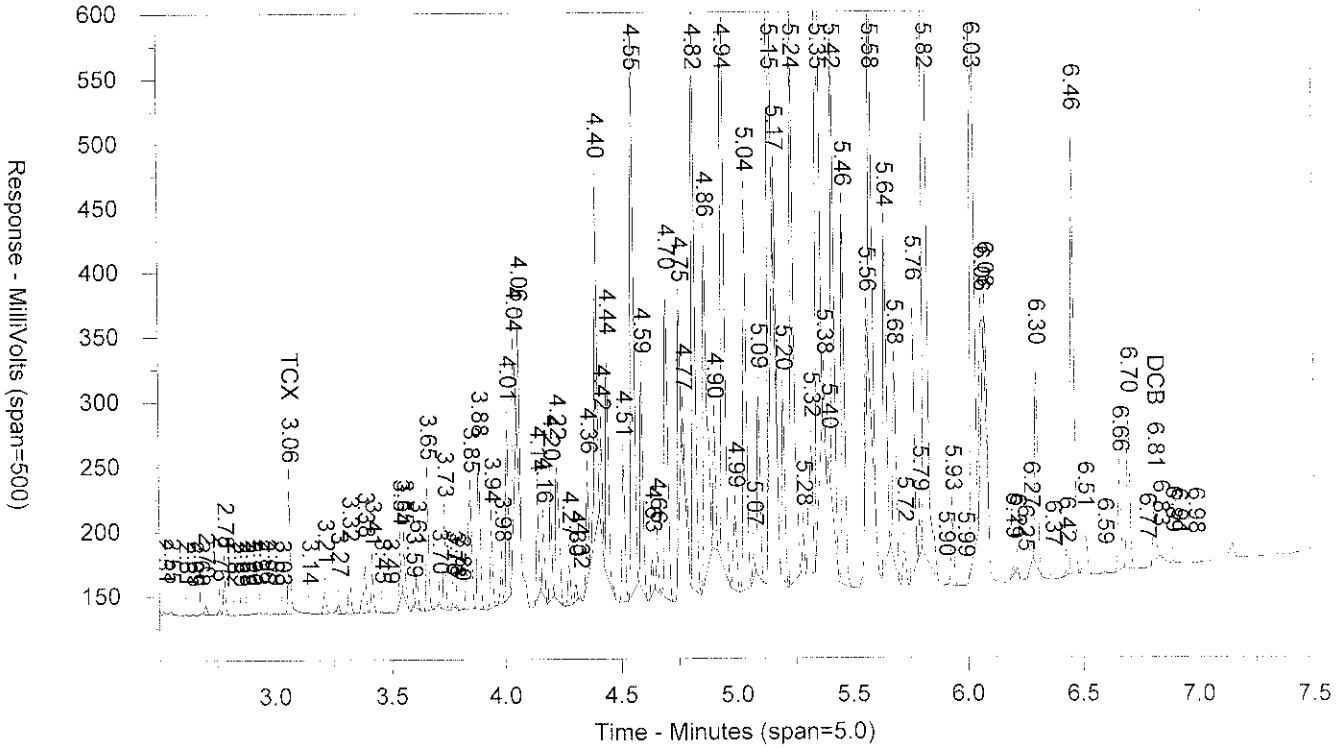

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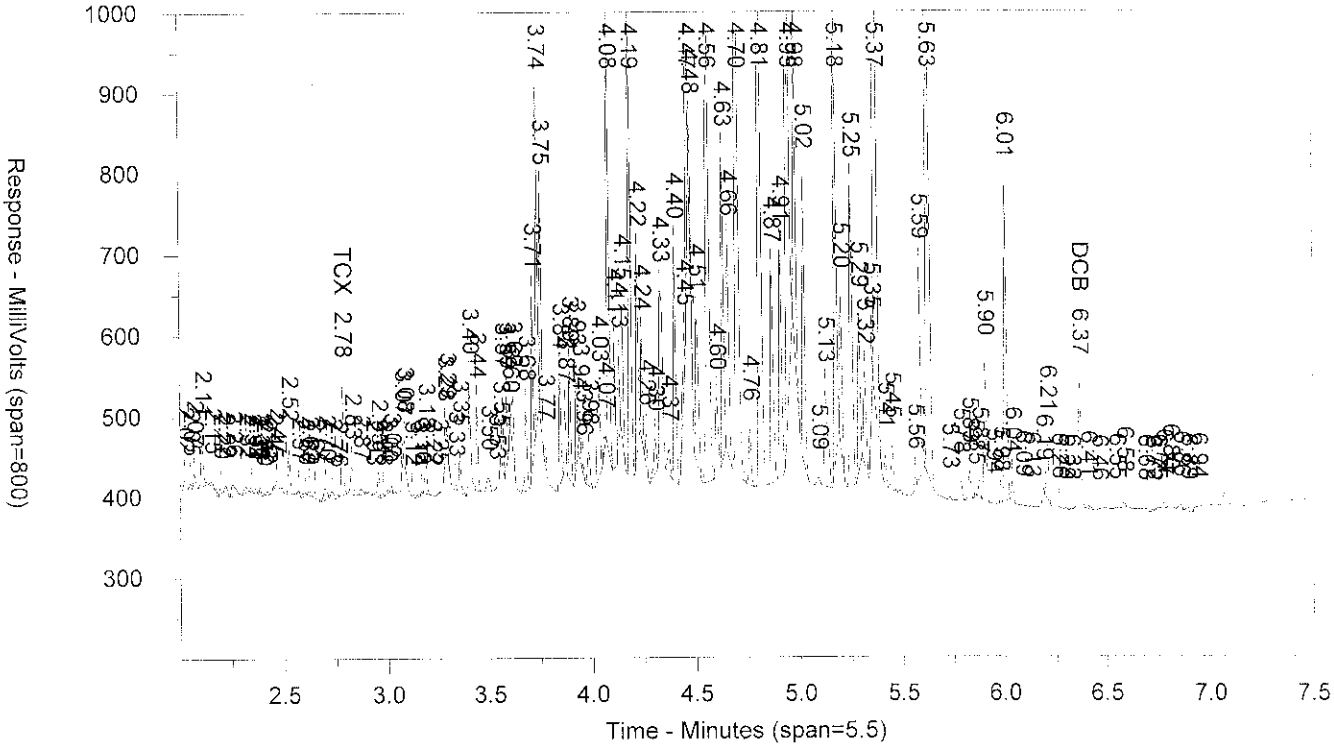

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229529 ACF DF10 03A02 Sample ID: AC **Batchnumber: 172830025A**

Sample Amount: 10.48 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 06:48:32
Instrument	18274A
Result file	25PCBS17309003.063.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 77% (61 - 152) Conc: 22.36076

%SSR(DCB) 82% (48 - 164) Conc: 21.29301

Analysis Report (B)

Injected on	Nov 14, 2017 06:48:32
Instrument	18274B
Result file	25PCBS17309003B.063.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 66% (61 - 152) Conc: 19.13754

%SSR(DCB) 78% (48 - 164) Conc: 20.10306

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	323033	22.36076
Decachlorobiphenyl	6.78	6.81	6.84	187354	21.29301

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	488933	19.13754
Decachlorobiphenyl	6.34	6.37	6.40	241988	20.10306

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	22.36076				15.53	
☑	Tetrachloro-m-xylene-D1	A	22.36076					
☑	Tetrachloro-m-xylene-D2	B	19.13754					
☐	Decachlorobiphenyl	A	21.29301				5.75	
☑	Decachlorobiphenyl-D1	A	21.29301					
☑	Decachlorobiphenyl-D2	B	20.10306					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.36**	
4.92	4.94	4.96	901441.4	2166.982517			1
5.12	5.15	5.16	1065568	2682.660782			2
5.33	5.35	5.37	1469620	2628.691643			3
5.56	5.58	5.60	621555.8	2059.947879			4
5.80	5.82	5.84	1924385	2420.042084			5
6.00	6.03	6.04	1122807	2335.709475			6

Height summation: **7105377.2**

Concentration CF: **2382.339063** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.81**	
4.69	4.70	4.72	1656400	2223.631498			1
4.80	4.81	4.84	1336750	2031.319563			2
4.93	4.95	4.97	1690594	2306.271426			3
5.16	5.18	5.20	921087.6	1906.193394			4
5.35	5.37	5.39	2291974	2127.264548			5
5.61	5.63	5.65	1517866	2050.032776			6

Height summation: **9414671.6**

Concentration CF: **2107.452201** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<486.6412	<94.4656	D1		4	
☑	PCB-1221			<486.6412	<145.9924	D1		3	
☑	PCB-1232			<486.6412	<117.3664	D1		4	
☑	PCB-1242			<486.6412	<117.3664	D1		4	
☑	PCB-1248			<486.6412	<94.4656	D1		4	
☑	PCB-1254			<486.6412	<125.9542	D1		4	
☑	PCB-1260	A	2382.339063	486.6412	111.6412	D1	12.24	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:04:58

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229529 ACF DF10 03A02 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.48 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274A
Result file : 25PCBS17309003.063.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 77% (61-152) Conc.: 22.36076
%SSR(DCB) : 82% (48-164) Conc.: 21.29301

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	40.35	
+ 3.29	3.30	3.33	831.463	3.345022			1
3.29	3.32	3.33	36273.2	145.929089			1
3.51	3.54	3.55	42836.43	171.807632			2
3.63	3.65	3.67	72410.98	232.766061			3
3.86	3.88	3.90	104103.3	328.751549			4
3.92	3.94	3.96	70096.02	251.628884			5
+ 4.12	4.12	4.15	1274.528	6.415012			6
4.12	4.14	4.15	85329.1	429.482283			6
Height Summation:			**411049.03**				
Amount Avg CF:			**260.060916**	Linear:			
Aroclor-1221					3	16.44	
3.19	3.21	3.23	14455.54	121.337847			1
3.25	3.27	3.29	9156.243	87.059172			2
+ 3.30	3.30	3.34	831.463	2.516953			3
3.30	3.32	3.34	36273.2	109.803976			3
Height Summation:			**59884.983**				
Amount Avg CF:			**106.066998**	Linear:			
Aroclor-1232					6	53.09	
+ 3.30	3.30	3.34	831.463	3.104936			1
3.30	3.32	3.34	36273.2	135.45516			1
3.51	3.54	3.55	42836.43	384.856954			2
3.63	3.65	3.67	72410.98	526.913186			3
3.86	3.88	3.90	104103.3	730.697896			4
3.92	3.94	3.96	70096.02	591.881104			5
4.12	4.14	4.16	85329.1	1014.184266			6
Height Summation:			**411049.03**				
Amount Avg CF:			**563.998094**	Linear:			
Aroclor-1242					6	38.12	
+ 3.30	3.30	3.34	831.463	4.238394			1
3.30	3.32	3.34	36273.2	184.90313			1
3.51	3.54	3.55	42836.43	222.356472			2
3.63	3.65	3.67	72410.98	310.012951			3
3.86	3.88	3.90	104103.3	413.804464			4
3.92	3.94	3.96	70096.02	337.89864			5
4.12	4.14	4.16	85329.1	531.855083			6
Height Summation:			**411049.03**				
Amount Avg CF:			**333.47179**	Linear:			
Aroclor-1248					6	69.45	
3.85	3.88	3.89	104103.3	641.562656			1
3.92	3.94	3.96	70096.02	456.224886			2
3.98	4.01	4.02	134183	513.054098			3
4.21	4.22	4.25	132826.8	548.109586			4
4.39	4.40	4.43	334758.3	1250.159386			5
+ 4.39	4.42	4.43	84237.68	314.586752			5
4.53	4.56	4.57	537499.3	2059.510672			6
Height Summation:			**1313466.72**				
Amount Avg CF:			**911.436881**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274B
Result file : 25PCBS17309003B.063.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 66% (61-152) Conc.: 19.13754
%SSR(DCB) : 78% (48-164) Conc.: 20.10306

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	96.78	
+ 3.05	3.07	3.09	18733.45	43.383786			1
3.05	3.08	3.09	90317.99	209.162561			1
3.38	3.41	3.42	96578.09	194.577698			2
3.58	3.59	3.62	26407.27	60.131467			3
+ 3.58	3.60	3.62	17449.2	39.733225			3
+ 3.58	3.61	3.62	25975.16	59.147518			3
3.66	3.68	3.70	110995.6	229.228058			4
3.72	3.74	3.76	375738.8	994.567499			5
+ 3.72	3.75	3.76	43886.59	116.166273			5
3.83	3.84	3.87	145302.2	385.767464			6
Height Summation:			**845339.95**				
Amount Avg CF:			**345.572458**	Linear:			
Aroclor-1221					3	46.72	
2.93	2.95	2.97	22030.04	94.271931			1
2.99	3.00	3.03	8002.56	58.686393			2
+ 2.99	3.02	3.03	7666.375	56.220996			2
+ 3.05	3.07	3.09	18733.45	31.748156			3
3.05	3.08	3.09	90317.99	153.064685			3
Height Summation:			**120350.59**				
Amount Avg CF:			**102.00767**	Linear:			
Aroclor-1232					6	118.83	
+ 3.05	3.07	3.09	18733.45	39.71275			1
3.05	3.08	3.09	90317.99	191.463706			1
3.38	3.41	3.42	96578.09	449.616957			2
3.58	3.59	3.62	26407.27	121.690585			3
+ 3.58	3.60	3.62	17449.2	80.409802			3
+ 3.58	3.61	3.62	25975.16	119.699326			3
3.66	3.68	3.70	110995.6	534.628268			4
E 3.71	3.74	3.75	375738.8	2763.545508			5
3.82	3.84	3.86	145302.2	932.595724			6
Height Summation:			**845339.95**				
Amount Avg CF:			**832.256791**	Linear:			
Aroclor-1242					6	104.29	
+ 3.05	3.07	3.09	18733.45	55.01207			1
3.05	3.08	3.09	90317.99	265.225015			1
3.38	3.41	3.42	96578.09	256.768685			2
3.58	3.59	3.62	26407.27	70.257681			3
+ 3.58	3.60	3.62	17449.2	46.424349			3
+ 3.58	3.61	3.62	25975.16	69.108034			3
3.66	3.68	3.70	110995.6	290.773255			4
3.71	3.74	3.75	375738.8	1405.997605			5
3.83	3.84	3.87	145302.2	476.088261			6
Height Summation:			**845339.95**				
Amount Avg CF:			**460.85175**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229529** ACF DF10 03A02 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.48 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274A
Result file : 25PCBS17309003.063.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	80.81	
4.73	4.75	4.77	211889.8	712.389717			1
+ 4.73	4.77	4.77	38751.14	130.284297			1
4.79	4.82	4.83	551146.8	927.427963			2
4.92	4.94	4.96	901441.4	4949.023677			3
5.01	5.04	5.05	352411.5	869.679546			4
5.22	5.24	5.26	643269.7	1880.532133			5
5.33	5.35	5.37	1469620	3546.582544			6
Height Summation:			**4129779.2**				
Amount Avg CF:			**2147.60593**	Linear:			
Aroclor-1260					6	10.36	
4.92	4.94	4.96	901441.4	2166.982517			1
5.12	5.15	5.16	1065568	2682.660782			2
5.33	5.35	5.37	1469620	2628.691643			3
+ 5.56	5.56	5.60	69834.55	231.444278			4
5.56	5.58	5.60	621555.8	2059.947879			4
5.80	5.82	5.84	1924385	2420.042084			5
6.00	6.03	6.04	1122807	2335.709475			6
Height Summation:			**7105377.2**				
Amount Avg CF:			**2382.339063**	Linear:			
Aroclor-1262					6	45.34	
5.40	5.42	5.44	591723.9	1134.192053			1
+ 5.56	5.56	5.60	69834.55	158.351328			2
5.56	5.58	5.60	621555.8	1409.391			2
E 5.80	5.82	5.84	1924385	1919.53468			3
6.00	6.03	6.04	1122807	1759.198381			4
6.06	6.07	6.10	81451.85	264.853672			5
+ 6.06	6.08	6.10	65522.55	213.057014			5
6.44	6.45	6.48	497536.5	1246.274265			6
Height Summation:			**4839460.05**				
Amount Avg CF:			**1288.907342**	Linear:			
Aroclor-1268					6	103.80	
6.00	6.03	6.04	1122807	1028.705811			1
6.06	6.07	6.10	81451.85	87.574985			2
+ 6.06	6.08	6.10	65522.55	70.448202			2
6.19	6.21	6.23	9227.735	10.492592			3
+ 6.26	6.27	6.30	35042.11	144.028877			4
6.26	6.30	6.30	205224.4	843.506281			4
6.44	6.45	6.48	497536.5	1258.554225			5
6.64	6.66	6.68	99346.14	31.576358			6
Height Summation:			**2015593.625**				
Amount Avg CF:			**543.401709**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274B
Result file : 25PCBS17309003B.063.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	64.96	
3.58	3.59	3.62	26407.27	123.628075			1
+ 3.58	3.60	3.62	17449.2	81.690042			1
+ 3.58	3.61	3.62	25975.16	121.605112			1
3.66	3.68	3.70	110995.6	400.963904			2
3.69	3.71	3.73	194501	438.813291			3
3.82	3.84	3.86	145302.2	279.22538			4
3.92	3.93	3.96	166742.6	465.979215			5
+ 3.92	3.94	3.96	35321.05	98.70828			5
+ 3.92	3.96	3.96	12303.96	34.384672			5
4.06	4.08	4.10	682418.1	985.678509			6
Height Summation:			**1326366.77**				
Amount Avg CF:			**449.048062**	Linear:			
Aroclor-1254					6	88.58	
4.38	4.40	4.42	341325.1	683.159786			1
+ 4.45	4.45	4.49	86561.66	95.067738			2
4.45	4.47	4.49	466413.9	512.246582			2
+ 4.45	4.48	4.49	204992.8	225.136646			2
4.54	4.56	4.58	1412438	3559.384148			3
4.62	4.63	4.66	404763.9	665.323041			4
4.85	4.87	4.89	315176.4	749.70248			5
4.93	4.95	4.97	1690594	2687.243076			6
Height Summation:			**4630711.3**				
Amount Avg CF:			**1476.176519**	Linear:			
Aroclor-1260					6	6.81	
4.69	4.70	4.72	1656400	2223.631498			1
4.80	4.81	4.84	1336750	2031.319563			2
4.93	4.95	4.97	1690594	2306.271426			3
5.16	5.18	5.20	921087.6	1906.193394			4
5.35	5.37	5.39	2291974	2127.264548			5
5.61	5.63	5.65	1517866	2050.032776			6
Height Summation:			**9414671.6**				
Amount Avg CF:			**2107.452201**	Linear:			
Aroclor-1262					6	27.74	
4.96	4.98	5.00	682300.9	920.522411			1
5.16	5.18	5.20	921087.6	1179.979732			2
5.35	5.37	5.39	2291974	1484.408584			3
5.57	5.59	5.61	400175.2	699.30357			4
5.61	5.63	5.65	1517866	1441.965727			5
5.99	6.01	6.03	546846	969.884175			6
Height Summation:			**6360249.7**				
Amount Avg CF:			**1116.0107**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229529 ACF DF10 03A02 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.48 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274A
Result file : 25PCBS17309003.063.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 06:48:32
Instrument : CP25--18274B
Result file : 25PCBS17309003B.063.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**121.20**	
5.57	5.59	5.61	400175.2	252.009179			1
5.61	5.63	5.65	1517866	982.418195			2
5.77	5.78	5.81	30715.36	24.036055			3
+ 5.84	5.86	5.88	8951.975	27.429648			4
5.84	5.87	5.88	18539.97	56.808118			4
5.99	6.01	6.03	546846	995.277286			5
6.19	6.21	6.23	116576	25.996285			6

Height Summation: **2630718.53**
Amount Avg CF: **389.424186** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			486.6412	94.4657		28.24	4	40	
Aroclor-1221			486.6412	145.9924		3.90	3	5	
Aroclor-1232			486.6412	117.3664		38.43	4	10	
Aroclor-1242			486.6412	117.3664		32.07	4	30	
Aroclor-1248			486.6412	94.4657		** 67.97	4	40	
Aroclor-1254			486.6412	125.9542		37.06	4	40	
Aroclor-1260			486.6412	111.6412		12.24	4	40	
Aroclor-1262			486.6412	94.4657	E	14.38	4	40	
Aroclor-1268			486.6412	94.4657		33.01	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229529 ACF DF10 AC03A02 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:48:32 AM 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: 25pcbs17309003.063.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.029		2197	2492
2.065		1235	684
2.082		1360	641
2.099		529	254
2.123		4869	3022
2.166		30993	33572
2.226		3153	4587
2.258		18152	13814
2.288		1786	1136
2.327		126142	99554
2.392		2118	1233
2.437		13314	13291
2.463		3393	2413
2.485		1494	955
2.517		6352	3989
2.544		2833	3343
2.594		860	764
2.618		763	476
2.647		907	1139
2.675		1743	1137
2.7		5679	6779
2.759		8986	4830
2.781		148015	101145
2.852		1827	1353
2.876		2566	1917
2.9		1884	1350
2.931		3509	2660
2.955		922	586
3		2306	3747
3.027		2226	1254
3.06	TCX	323033	233937
3.146		975	446
3.185		600	341
3.213		14456	12955
3.269		9156	12312
3.296		831	357
3.317		36273	25640
3.349		1828	853
3.383		88968	70614
3.415		23008	17033
3.456		1597	1303
3.492		2072	1675
3.536		42836	26324
3.554		17544	16120
3.592		1907	999
3.608		30060	19918
3.653		72411	54823
3.704		5783	4985
3.729		77486	53948
3.765		9289	9543
3.802		3607	2177
3.826		5033	2823
3.847		25219	24595
3.881		104103	87419

RT A	Compound A	Height A	Area A
3.938		70096	54475
3.981		16030	12470
4.008		134183	100405
4.046		193498	212755
4.079		14163	16644
4.116		1275	652
4.138		85329	61797
4.164		22857	15505
4.195		46849	32510
4.223		132827	138966
4.274		24419	19461
4.304		7556	4542
4.321		4884	2948
4.357		83638	67439
4.396		334758	287802
4.417		84238	49481
4.443		106008	80235
4.464		5705	3159
4.511		107546	90350
4.555		537499	527768
4.591		148730	122500
4.633		11764	8018
4.656		30909	25316
4.698		309505	307448
4.754		211890	153933
4.77		38751	29966
4.817		551147	505086
4.864		360917	404263
4.904		143247	111319
4.944		901441	828608
4.99		70048	72882
5.037		352412	345040
5.07		26992	18181
5.094		178328	156830
5.147		1065568	855165
5.166		162577	89864
5.199		203243	180819
5.24		643270	655273
5.283		32651	20799
5.319		130711	160601
5.355		1469620	1298214
5.377		57882	28444
5.396		29581	13052
5.418		591724	504396
5.46		412528	393640
5.515		3045	2717
5.563		69835	67511
5.582		621556	512023
5.64		374167	336466
5.679		217891	213908
5.72		43331	40842
5.763		301972	259686
5.791		30822	19214
5.819		1924385	1867900
5.902		1267	1176
5.93		894	670
5.98		973	1033
6.026		1122807	1097389
6.066		81452	105186
6.078		65523	46390
6.193		8338	5620
6.212		9228	7252
6.245		888	367
6.272		35042	26351
6.298		205224	190594
6.361		4016	4225

RT A	Compound A	Height A	Area A
6.402		521	243
6.424		3561	2427
6.454		497537	465559
6.5		31499	28308
6.658		99346	99400
6.694		1779	1431
6.753		667	934
6.773		540	344
6.807	DCB	187354	174190
6.83		14778	8006
6.884		3181	2530
6.983		690	967

LANCASTER LABORATORIES

Sample Number: 9229529 ACF DF10 AC03A02 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:48:32 AM 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: 25pcbs17309003B.063.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.001		1597	293
2.021		31847	22610
2.051		6812	4399
2.068		19720	15381
2.107		198728	174149
2.198		6808	5294
2.219		7134	7003
2.268		15435	21470
2.314		12973	16681
2.344		7707	4706
2.367		4530	2592
2.385		6176	3230
2.403		3284	1796
2.423		3398	1773
2.45		6993	3794
2.468		10000	11463
2.525		233039	168530
2.572		4039	2383
2.593		4194	4332
2.623		5965	4507
2.655		7382	8218
2.701		10959	10180
2.735		8412	7812
2.781	TCX	488933	324680
2.827		20782	18442
2.868		5937	5691
2.905		5448	5315
2.955		22030	18606
3.003		8003	8375
3.017		7666	3716
3.07		18733	8418
3.082		90318	43901
3.094		7177	1948
3.118		4081	2548
3.143		6353	3764
3.163		1360	583
3.184		29047	19113
3.207		2707	2255
3.248		857	568
3.28		47870	24390
3.291		13128	9310
3.331		3299	1536
3.354		47382	35059
3.406		96578	62500
3.441		110466	68164
3.47		1083	414
3.488		2784	1516
3.499		5946	3431
3.524		4899	2890
3.538		882	481
3.554		8139	3486
3.565		26480	12422
3.586		26407	12766
3.602		17449	10490

RT B	Compound B	Height B	Area B
3.608		25975	11043
3.679		110996	75861
3.71		194501	123958
3.736		375739	229565
3.754		43887	19304
3.773		42247	27439
3.819		1574	616
3.845		145302	104112
3.871		43913	25507
3.893		77685	51394
3.926		166743	103520
3.942		35321	16149
3.958		12304	5192
3.987		40393	36578
4.035		124061	130813
4.082		682418	544955
4.109		100894	61232
4.131		54118	28655
4.148		161410	106848
4.186		711865	531332
4.221		207836	151116
4.242		136303	92595
4.292		8971	6318
4.305		26014	18838
4.332		295669	346899
4.371		82208	62042
4.401		341325	258836
4.448		86562	82875
4.466		466414	258165
4.479		204993	104478
4.507		229534	243312
4.562		1412438	1174939
4.604		109549	104751
4.635		404764	295748
4.66		329132	238694
4.704		1656400	1402883
4.762		167709	131757
4.814		1336750	1228784
4.868		315176	300546
4.91		362591	331272
4.949		1690594	1527535
4.982		682301	488352
5.022		507342	414032
5.072		1322	659
5.094		7339	6702
5.127		172947	206385
5.179		921088	742083
5.204		222908	152095
5.254		539683	486971
5.29		264257	206891
5.316		169183	137485
5.349		105411	64244
5.37		2291974	1858091
5.412		50757	36953
5.447		79175	64230
5.484		3224	2695
5.563		18749	11417
5.586		400175	334736
5.631		1517866	1579495
5.784		30715	28510
5.828		46744	38994
5.855		8952	5623
5.874		18540	12085
5.904		244109	207173
5.945		3158	2405
5.981		3042	2114

RT B	Compound B	Height B	Area B
6.007		546846	474333
6.038		35012	25870
6.088		1913	1821
6.208		116576	103938
6.288		938	1015
6.323		1346	805
6.37	DCB	241988	221867
6.403		2978	3803
6.559		1879	2048
6.581		45586	36565
6.676		1779	2817
6.717		1843	1040
6.741		2441	2858
6.784		888	761
6.818		2305	1422
6.853		3920	3488
6.892		3436	4162
6.928		1551	2102
6.967		980	1429

9229529 ACF DF10 AC03A02 T 172830025A 10225 SW-846 8082

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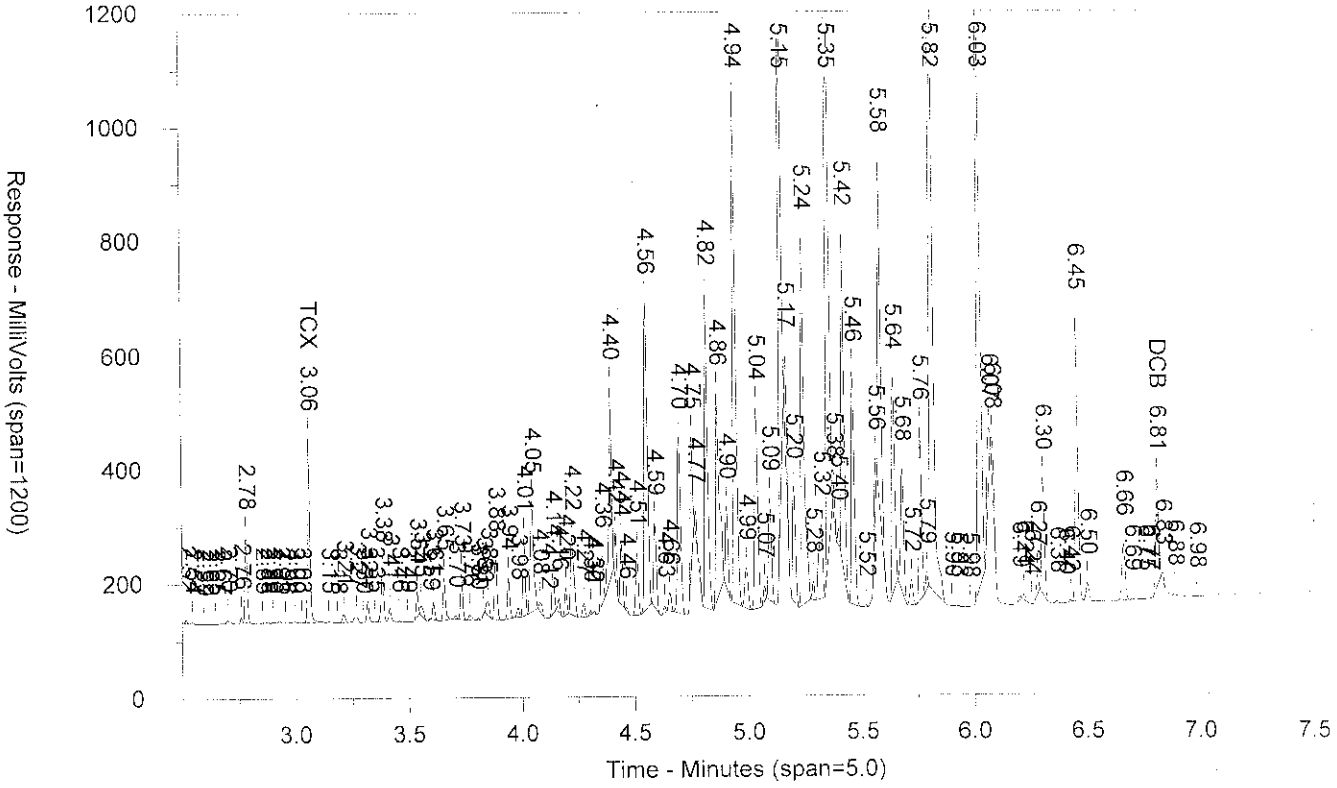

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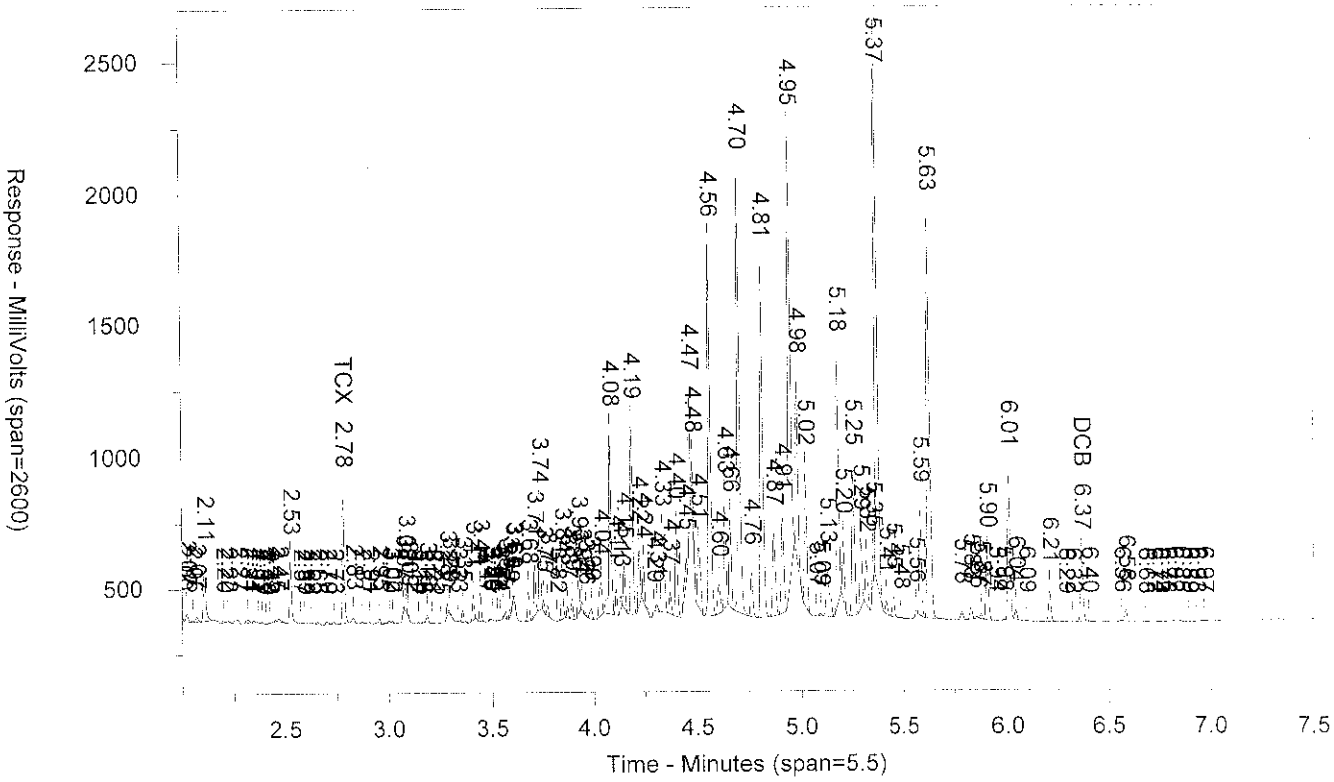

LANCASTER LABORATORIES

Sample Number: 9229529 ACF DF10 AC03A02 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:48:32 AM Sample Weight: 10.48
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	323033	22.361	TCX	2.781	488933	19.138	TCX
6.807	187354	21.293	DCB	6.37	241988	20.103	DCB

Files:
Area File: 25pcbs17309003.063.RAW
Area File: 25pcbs17309003B.063.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 6:57:04 AM
File Reported On: 11/14/2017 at 6:57:11 AM

9229529 ACF DF10 AC03A02 T 172830025A 10225 SW-846 8082

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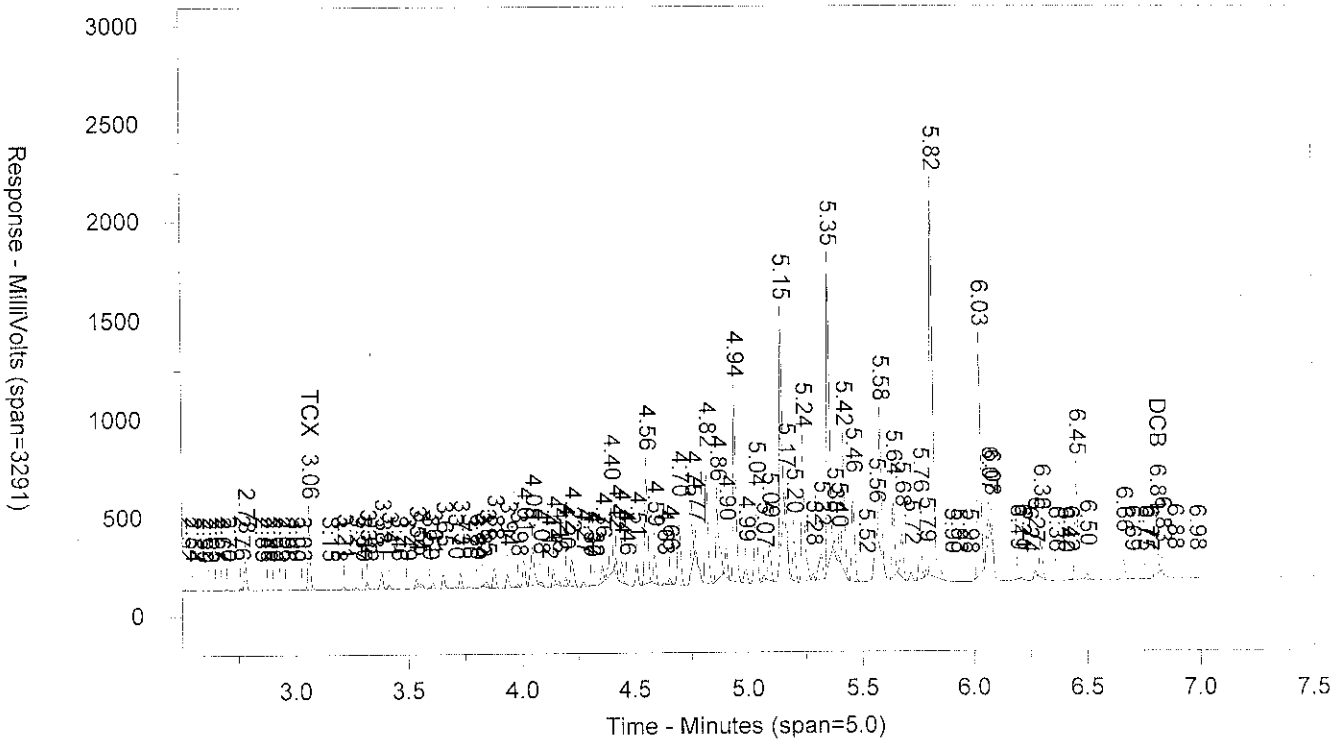

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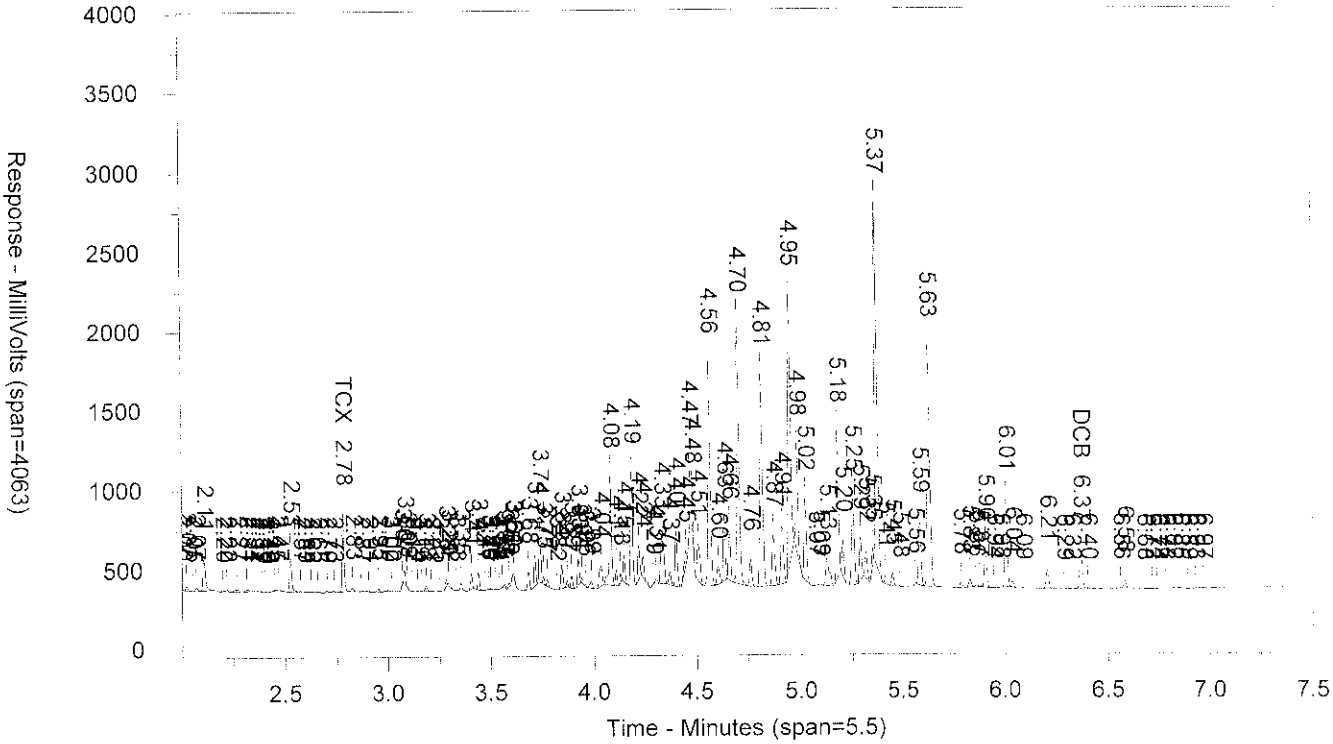

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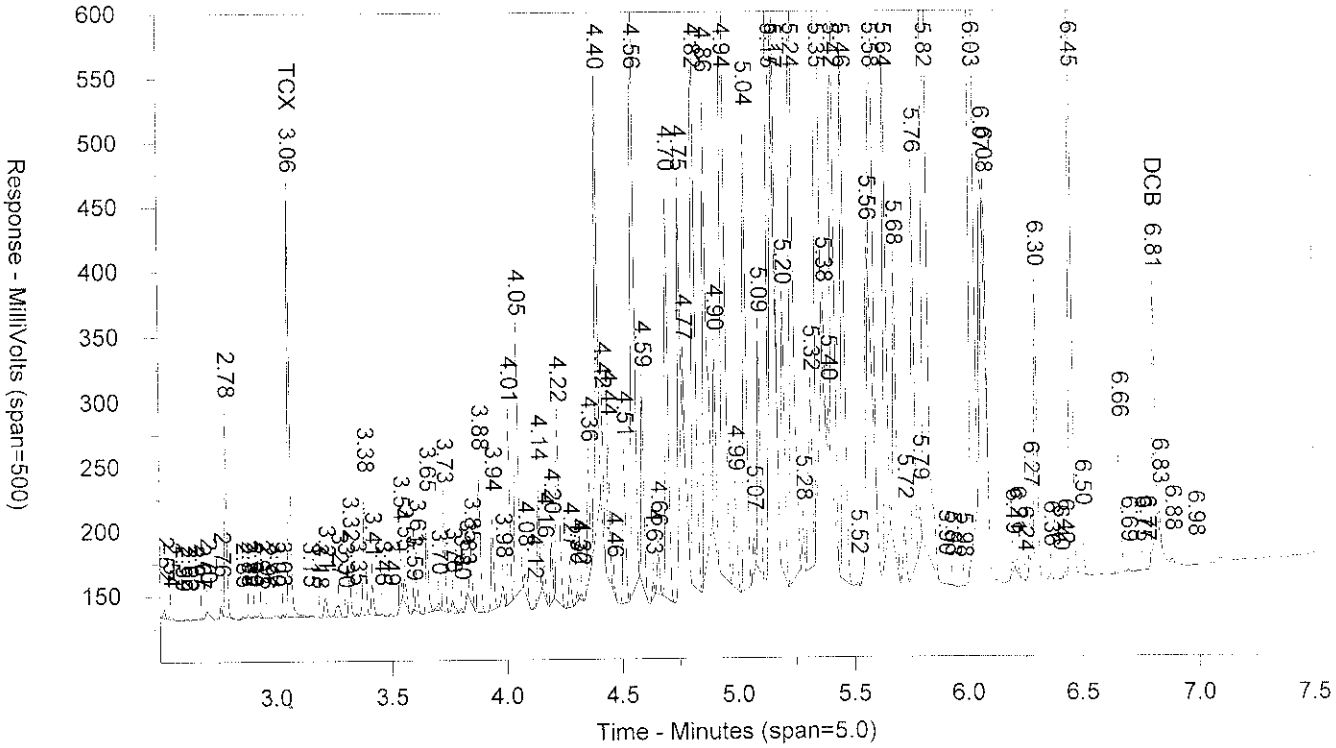

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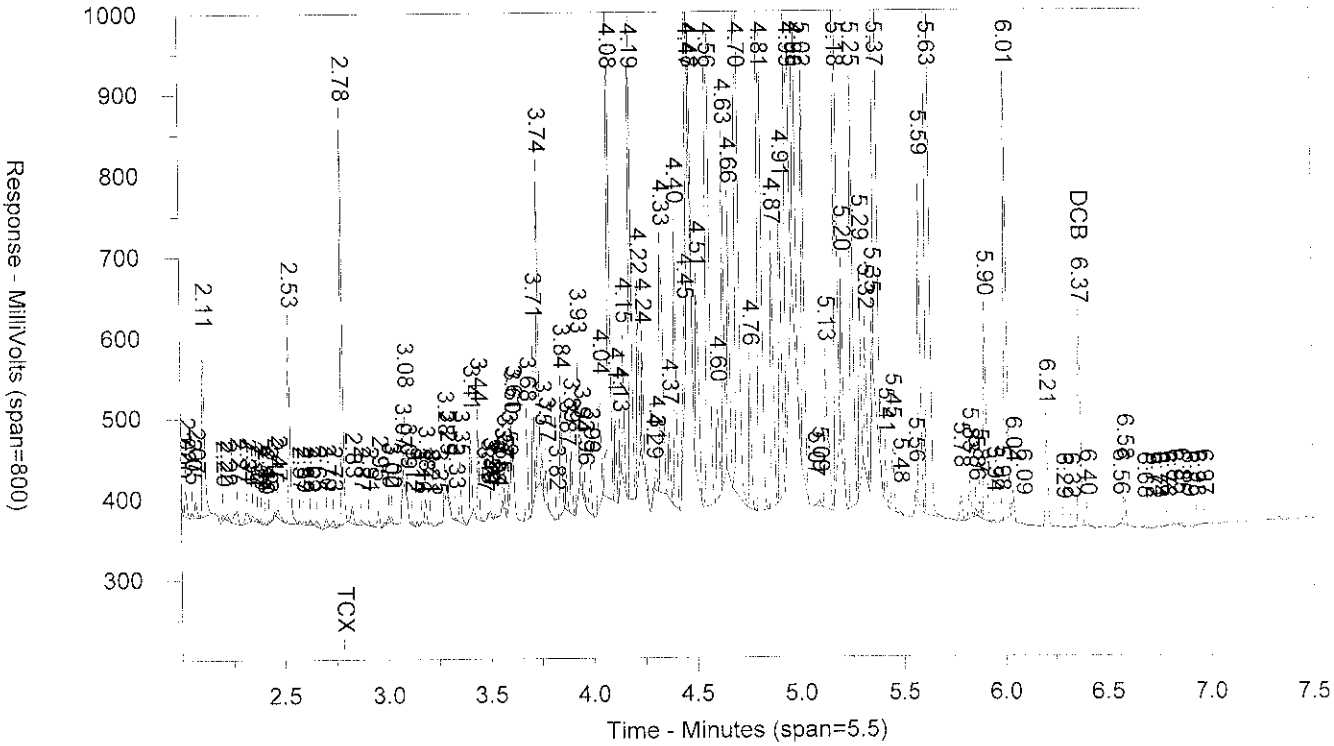

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Data Summary

Sample Name: 9229530 ACF DF10 03A03 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.41 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 06:59:47
Instrument	18274A
Result file	25PCBS17309003.064.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 79% (61 - 152) Conc: 23.15755
%SSR(DCB) 91% (48 - 164) Conc: 23.73497

Analysis Report (B)

Injected on	Nov 14, 2017 06:59:47
Instrument	18274B
Result file	25PCBS17309003B.064.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 71% (61 - 152) Conc: 20.8185
%SSR(DCB) 82% (48 - 164) Conc: 21.30683

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	332309	23.15755	Tetrachloro-m-xylene	2.75	2.78	2.81	528326	20.8185
Decachlorobiphenyl	6.78	6.80	6.84	207446	23.73497	Decachlorobiphenyl	6.34	6.37	6.40	254765	21.30683

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	23.15755				10.64	
☑	Tetrachloro-m-xylene-D1	A	23.15755					
☑	Tetrachloro-m-xylene-D2	B	20.8185					
☐	Decachlorobiphenyl	A	23.73497				10.78	
☑	Decachlorobiphenyl-D1	A	23.73497					
☑	Decachlorobiphenyl-D2	B	21.30683					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.39**	
4.92	4.94	4.96	870855.9	2107.534823			1
5.12	5.15	5.16	1153315	2923.096038			2
5.33	5.35	5.37	1334374	2402.828172			3
5.56	5.58	5.60	640835.9	2138.126986			4
5.80	5.82	5.84	1880355	2380.5722			5
6.00	6.02	6.04	1101677	2307.164426			6

Height summation: **6981412.8**
Concentration CF: **2376.553774** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.76**	
4.69	4.70	4.72	1676868	2266.24587			1
4.80	4.81	4.84	1305430	1997.065			2
4.93	4.95	4.97	1708327	2346.133134			3
5.16	5.18	5.20	967078.2	2014.828897			4
5.35	5.37	5.39	2418437	2259.733101			5
5.61	5.63	5.65	1544593	2100.158088			6

Height summation: **9620733.2**
Concentration CF: **2164.027348** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<489.9135	<95.1009	D1		4	
☑	PCB-1221			<489.9135	<146.9741	D1		3	
☑	PCB-1232			<489.9135	<118.1556	D1		4	
☑	PCB-1242			<489.9135	<118.1556	D1		4	
☑	PCB-1248			<489.9135	<95.1009	D1		4	
☑	PCB-1254			<489.9135	<126.8012	D1		4	
☑	PCB-1260	A	2376.553774	489.9135	112.3919	D1	9.36	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:01

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229530 ACF DF10 03A03 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.41 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274A
Result file : 25PCBS17309003.064.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 79% (61-152) Conc.: 23.15755
%SSR(DCB) : 91% (48-164) Conc.: 23.73497

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	33.22	
+ 3.29	3.30	3.33	674.3365	2.731135			1
3.29	3.32	3.33	35666.82	144.454456			1
3.51	3.54	3.55	36076.18	145.6667			2
3.63	3.65	3.67	74421.71	240.838232			3
3.86	3.88	3.90	96366.65	306.366042			4
3.92	3.94	3.96	70047.36	253.14506			5
+ 4.12	4.12	4.15	980.7319	4.969457			6
4.12	4.14	4.15	65508.3	331.93647			6
Height Summation:			**378087.02**				
Amount Avg CF:			**237.067827**	Linear:			
Aroclor-1221					3	23.99	
3.19	3.21	3.23	13415.6	113.365946			1
3.25	3.26	3.29	7384.396	70.684266			2
+ 3.30	3.30	3.34	674.3365	2.055036			3
3.30	3.32	3.34	35666.82	108.694393			3
Height Summation:			**56466.816**				
Amount Avg CF:			**97.581535**	Linear:			
Aroclor-1232					6	46.95	
+ 3.30	3.30	3.34	674.3365	2.535111			1
3.30	3.32	3.34	35666.82	134.086368			1
3.51	3.54	3.55	36076.18	326.30007			2
3.63	3.65	3.67	74421.71	545.186182			3
3.86	3.88	3.90	96366.65	680.942867			4
3.92	3.94	3.96	70047.36	595.447451			5
4.12	4.14	4.16	65508.3	783.838491			6
Height Summation:			**378087.02**				
Amount Avg CF:			**510.966905**	Linear:			
Aroclor-1242					6	32.03	
+ 3.30	3.30	3.34	674.3365	3.460554			1
3.30	3.32	3.34	35666.82	183.03466			1
3.51	3.54	3.55	36076.18	188.524416			2
3.63	3.65	3.67	74421.71	320.763992			3
3.86	3.88	3.90	96366.65	385.627494			4
3.92	3.94	3.96	70047.36	339.93463			5
+ 4.12	4.12	4.16	980.7319	6.153993			6
4.12	4.14	4.16	65508.3	411.057931			6
Height Summation:			**378087.02**				
Amount Avg CF:			**304.823854**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274B
Result file : 25PCBS17309003B.064.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 71% (61-152) Conc.: 20.8185
%SSR(DCB) : 82% (48-164) Conc.: 21.30683

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	96.32	
+ 3.05	3.07	3.09	20050.32	46.745687			1
3.05	3.08	3.09	88573.95	206.502947			1
3.38	3.41	3.42	92944.49	188.516189			2
+ 3.38	3.42	3.42	6808.469	13.809389			2
+ 3.58	3.59	3.62	26876.38	61.611193			3
+ 3.58	3.60	3.62	5249.131	12.033065			3
3.58	3.61	3.62	34055.1	78.067632			3
3.66	3.68	3.70	113077.8	235.098531			4
3.72	3.74	3.76	360328.1	960.189392			5
+ 3.72	3.75	3.76	46807.8	124.731746			5
3.83	3.84	3.87	116611	311.676084			6
Height Summation:			**805590.44**				
Amount Avg CF:			**330.008463**	Linear:			
Aroclor-1221					3	22.46	
2.93	2.95	2.97	23662.75	101.939591			1
2.99	3.00	3.03	14535.2	107.309962			2
+ 3.05	3.07	3.09	20050.32	34.208387			3
3.05	3.08	3.09	88573.95	151.118385			3
Height Summation:			**126771.9**				
Amount Avg CF:			**120.122646**	Linear:			
Aroclor-1232					6	119.41	
+ 3.05	3.07	3.09	20050.32	42.790175			1
3.05	3.08	3.09	88573.95	189.029142			1
3.38	3.41	3.42	92944.49	435.610432			2
+ 3.38	3.42	3.42	6808.469	31.9098			2
+ 3.58	3.59	3.62	26876.38	124.685169			3
+ 3.58	3.60	3.62	5249.131	24.351821			3
3.58	3.61	3.62	34055.1	157.988759			3
3.66	3.68	3.70	113077.8	548.319964			4
E 3.71	3.74	3.75	360328.1	2668.02111			5
+ 3.71	3.75	3.75	46807.8	346.584678			5
3.82	3.84	3.86	116611	753.47926			6
Height Summation:			**805590.44**				
Amount Avg CF:			**792.074778**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229530** ACF DF10 03A03 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.41 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274A
Result file : 25PCBS1730903.064.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	67.88	
3.85	3.88	3.89	96366.65	597.877066			1
3.92	3.94	3.96	70047.36	458.973844			2
3.98	4.01	4.02	100469.8	386.733465			3
4.21	4.22	4.25	126495.2	525.492215			4
4.39	4.40	4.43	281187.4	1057.159317			5
+ 4.39	4.42	4.43	68166.19	256.279345			5
4.53	4.55	4.57	470644.9	1815.474084			6
Height Summation:			**1145211.31**				
Amount Avg CF:			**806.951665**	Linear:			
Aroclor-1254					6	91.39	
4.73	4.75	4.77	119761.2	405.353832			1
+ 4.73	4.77	4.77	59373.47	200.960441			1
4.79	4.82	4.83	401267.6	679.763034			2
4.92	4.94	4.96	870855.9	4813.255141			3
5.01	5.04	5.05	267657.8	664.966308			4
5.22	5.24	5.26	601974.4	1771.643108			5
5.33	5.35	5.37	1334374	3241.851692			6
Height Summation:			**3595890.9**				
Amount Avg CF:			**1929.472186**	Linear:			
Aroclor-1260					6	12.39	
4.92	4.94	4.96	870855.9	2107.534823			1
5.12	5.15	5.16	1153315	2923.096038			2
5.33	5.35	5.37	1334374	2402.828172			3
+ 5.56	5.56	5.60	53976.82	180.091807			4
5.56	5.58	5.60	640835.9	2138.126986			4
5.80	5.82	5.84	1880355	2380.5722			5
6.00	6.02	6.04	1101677	2307.164426			6
Height Summation:			**6981412.8**				
Amount Avg CF:			**2376.553774**	Linear:			
Aroclor-1262					6	44.04	
5.40	5.42	5.44	585514.2	1129.836171			1
5.56	5.58	5.60	640835.9	1462.880183			2
5.80	5.82	5.84	1880355	1888.227865			3
6.00	6.02	6.04	1101677	1737.698959			4
+ 6.06	6.06	6.10	80675.44	264.093031			5
6.06	6.08	6.10	87960.02	287.939283			5
6.44	6.45	6.48	494556.2	1247.139069			6
Height Summation:			**4790898.32**				
Amount Avg CF:			**1292.286922**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274B
Result file : 25PCBS1730903B.064.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	104.30	
+ 3.05	3.07	3.09	20050.32	59.275071			1
3.05	3.08	3.09	88573.95	261.852536			1
3.38	3.41	3.42	92944.49	248.769794			2
+ 3.38	3.42	3.42	6808.469	18.22315			2
+ 3.58	3.59	3.62	26876.38	71.986595			3
+ 3.58	3.60	3.62	5249.131	14.059448			3
3.58	3.61	3.62	34055.1	91.214318			3
3.66	3.68	3.70	113077.8	298.219885			4
3.71	3.74	3.75	360328.1	1357.398052			5
+ 3.71	3.75	3.75	46807.8	176.330451			5
3.83	3.84	3.87	116611	384.649662			6
Height Summation:			**805590.44**				
Amount Avg CF:			**440.350708**	Linear:			
Aroclor-1248					6	61.06	
+ 3.58	3.59	3.62	26876.38	126.670337			1
+ 3.58	3.60	3.62	5249.131	24.739537			1
3.58	3.61	3.62	34055.1	160.504167			1
3.66	3.68	3.70	113077.8	411.232489			2
3.69	3.71	3.73	150294.9	341.36008			3
3.82	3.84	3.86	116611	225.596716			4
3.92	3.92	3.96	159143.1	447.732215			5
+ 3.92	3.94	3.96	31015.85	87.259801			5
+ 3.92	3.96	3.96	15720.51	44.227986			5
4.06	4.08	4.10	596708.3	867.675595			6
Height Summation:			**1169890.2**				
Amount Avg CF:			**409.016877**	Linear:			
Aroclor-1254					6	102.31	
4.38	4.40	4.42	264054.3	532.056637			1
+ 4.45	4.45	4.49	90842	100.439565			2
+ 4.45	4.47	4.49	278319.2	307.723954			2
4.45	4.48	4.49	279702.6	309.253512			2
4.54	4.56	4.58	1434151	3638.403844			3
4.62	4.63	4.66	305460.5	505.471185			4
4.85	4.87	4.89	262083.2	627.602974			5
4.93	4.95	4.97	1708327	2733.689517			6
Height Summation:			**4253778.6**				
Amount Avg CF:			**1391.079612**	Linear:			
Aroclor-1260					6	6.76	
4.69	4.70	4.72	1676868	2266.24587			1
4.80	4.81	4.84	1305430	1997.065			2
4.93	4.95	4.97	1708327	2346.133134			3
5.16	5.18	5.20	967078.2	2014.828897			4
5.35	5.37	5.39	2418437	2259.733101			5
5.61	5.63	5.65	1544593	2100.158088			6
Height Summation:			**9620733.2**				
Amount Avg CF:			**2164.027348**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229530 ACF DF10 03A03 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.41 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274A
Result file : 25PCBS17309003.064.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**103.48**	
6.00	6.02	6.04	1101677	1016.133846			1
+ 6.06	6.06	6.10	80675.44	87.323476			2
6.06	6.08	6.10	87960.02	95.20834			2
6.19	6.21	6.23	9344.994	10.697375			3
+ 6.26	6.27	6.30	35130.27	145.36216			4
6.26	6.30	6.30	199524	825.591137			4
6.44	6.45	6.48	494556.2	1259.427549			5
6.64	6.66	6.68	102671.8	32.852829			6

Height Summation: **1995734.014**
Amount Avg CF: **539.98518** Linear:

Analysis Report (B)

Injected on : Nov 14, 2017 06:59:47
Instrument : CP25--18274B
Result file : 25PCBS17309003B.064.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**27.63**	
4.96	4.98	5.00	703175.5	955.064507			1
5.16	5.18	5.20	967078.2	1247.227732			2
5.35	5.37	5.39	2418437	1576.845351			3
5.57	5.58	5.61	414891.7	729.895816			4
5.61	5.63	5.65	1544593	1477.223203			5
5.99	6.01	6.03	581457.2	1038.205056			6

Height Summation: **6629632.6**
Amount Avg CF: **1170.743611** Linear:

Aroclor-1268					**6**	**122.70**	
5.57	5.58	5.61	414891.7	263.033757			1
5.61	5.63	5.65	1544593	1006.439283			2
5.77	5.78	5.81	32961.7	25.967357			3
+ 5.84	5.85	5.88	10703.44	33.016825			4
5.84	5.87	5.88	13734.28	42.366035			4
5.99	6.01	6.03	581457.2	1065.386916			5
6.19	6.21	6.23	123041.8	27.622652			6

Height Summation: **2710679.68**
Amount Avg CF: **405.136** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			489.9136	95.1009		32.78	4	40	
Aroclor-1221			489.9136	146.9741		20.71	3	5	
Aroclor-1232			489.9136	118.1556		** 43.15	4	10	
Aroclor-1242			489.9136	118.1556		36.37	4	30	
Aroclor-1248			489.9136	95.1009		** 65.45	4	40	
Aroclor-1254			489.9136	126.8012		32.43	4	40	
Aroclor-1260			489.9136	112.3919		9.36	4	40	
Aroclor-1262			489.9136	95.1009		9.87	4	40	
Aroclor-1268			489.9136	95.1009		28.54	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:59:47 AM 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: 25pcbs17309003.064.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.015		1162	887
2.03		2577	3616
2.074		640	544
2.1		1120	620
2.119		2717	2030
2.14		541	341
2.166		16437	16247
2.224		2228	3353
2.258		40735	29717
2.289		2283	1700
2.327		87968	71547
2.437		9711	10679
2.462		3255	2369
2.485		914	688
2.518		27540	17966
2.548		2573	3523
2.597		946	1733
2.636		1622	1647
2.675		1570	985
2.698		5663	6544
2.759		7633	4049
2.781		110314	74205
2.81		770	377
2.828		635	285
2.852		910	716
2.876		2378	2520
2.901		1868	1459
2.93		2647	1978
2.956		1142	664
3.002		2350	3196
3.028		1515	899
3.06	TCX	332309	240637
3.144		1242	1305
3.212		13416	11685
3.243		1203	475
3.263		7384	9487
3.297		674	345
3.317		35667	26223
3.351		653	363
3.383		81383	63193
3.414		24083	18322
3.453		1625	1370
3.535		36076	22642
3.553		16888	16271
3.591		1267	880
3.606		30572	20424
3.653		74422	51320
3.702		6321	5623
3.728		80234	56393
3.763		8256	8163
3.802		6969	4532
3.826		5561	3015
3.846		25363	24062
3.88		96367	82221

RT A	Compound A	Height A	Area A
3.937		70047	53485
3.98		15979	13746
4.007		100470	76515
4.044		189989	200063
4.076		14050	17371
4.116		981	511
4.137		65508	45588
4.163		17216	11289
4.194		35851	25405
4.221		126495	131091
4.274		21943	17532
4.303		8478	5317
4.32		3900	2014
4.355		85187	65935
4.395		281187	259580
4.416		68166	39825
4.441		77296	59612
4.463		5402	3244
4.51		83315	70409
4.554		470645	443688
4.59		108051	85430
4.632		7447	5002
4.654		24591	20281
4.696		291829	293382
4.753		119761	85246
4.769		59373	37250
4.816		401268	364333
4.863		358803	412685
4.903		131057	100138
4.943		870856	808926
4.988		63105	65074
5.035		267658	269767
5.069		27858	18572
5.093		178487	153671
5.145		1153315	1399213
5.197		204002	184863
5.238		601974	608086
5.281		22571	14161
5.318		122585	150483
5.353		1334374	1215425
5.377		53666	26310
5.395		26946	12385
5.417		585514	509795
5.459		432856	399913
5.5		823	374
5.514		1969	984
5.561		53977	65617
5.581		640836	524157
5.638		371943	332777
5.678		216273	209608
5.72		41943	42568
5.761		270579	242947
5.79		26877	16067
5.817		1880355	1838763
5.907		1368	1803
5.98		737	909
6.025		1101677	1064169
6.064		80675	110953
6.077		87960	60158
6.193		7640	5593
6.211		9345	7294
6.242		858	290
6.271		35130	25947
6.297		199524	184466
6.359		3327	3582
6.4		589	232

RT A	Compound A	Height A	Area A
6.423		2150	1552
6.453		494556	463312
6.498		31952	27789
6.553		403	406
6.578		341	329
6.591		769	436
6.657		102672	100624
6.697		657	446
6.747		445	254
6.776		361	205
6.804	DCB	207446	241498
6.88		2370	1756

LANCASTER LABORATORIES

Sample Number: 9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:59:47 AM 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: 25pcbs17309003B.064.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.021		71552	51280
2.051		5562	3256
2.069		12609	11344
2.107		146565	124708
2.156		7140	8338
2.198		8429	6530
2.22		8627	7168
2.267		54690	50038
2.314		13663	17226
2.344		7867	5018
2.365		6127	4700
2.386		8375	4300
2.401		2712	1349
2.42		3975	1782
2.45		8758	5565
2.467		10901	13640
2.525		180998	131710
2.572		7073	4298
2.593		5884	5068
2.622		8970	6644
2.652		10279	11053
2.7		15934	15888
2.733		9465	9162
2.758		4097	2331
2.781	TCX	528326	348823
2.827		19686	13793
2.869		8453	8885
2.905		9605	8762
2.954		23663	22533
2.979		3045	2161
3.003		14535	16675
3.041		2569	1580
3.07		20050	9309
3.081		88574	42583
3.121		7763	4942
3.143		6130	3946
3.163		3423	2121
3.183		33765	21828
3.206		3265	3109
3.251		4715	6797
3.279		43557	22581
3.291		12339	8094
3.319		3099	970
3.33		1618	553
3.354		43830	29824
3.406		92944	59047
3.42		6808	2072
3.441		112224	68223
3.464		408	121
3.47		795	174
3.488		1595	1182
3.498		12829	6610
3.518		6026	3040
3.537		1932	1136

RT B	Compound B	Height B	Area B
3.554		10492	4940
3.565		27078	11932
3.586		26876	13059
3.601		5249	6671
3.608		34055	16295
3.678		113078	79216
3.709		150295	90563
3.735		360328	216882
3.753		46808	21236
3.772		45402	33508
3.819		3416	1615
3.844		116611	84547
3.87		33959	19714
3.892		64337	42342
3.925		159143	100552
3.942		31016	13267
3.957		15721	7332
3.985		35940	32133
4.035		134511	138479
4.081		596708	478886
4.108		79264	49987
4.131		42835	23442
4.148		141511	92846
4.185		650320	473740
4.221		158366	115881
4.241		115718	75986
4.291		4801	3967
4.305		19635	15017
4.331		334938	344874
4.376		14744	8815
4.401		264054	200377
4.448		90842	68716
4.465		278319	148922
4.479		279703	154191
4.506		239990	252964
4.561		1434151	1175785
4.604		110349	100502
4.633		305461	221327
4.659		321279	241013
4.682		5728	3249
4.704		1676868	1377286
4.761		12931	9923
4.813		1305430	1222572
4.868		262083	258174
4.909		355962	329155
4.947		1708327	1488430
4.981		703176	519770
5.021		559959	448510
5.071		2289	1407
5.093		7266	6045
5.125		179208	209846
5.177		967078	774613
5.202		179443	124996
5.253		546164	501296
5.288		274184	213897
5.315		169131	141820
5.348		92913	52779
5.369		2418437	1950546
5.41		51505	38255
5.446		79361	66888
5.485		2581	1569
5.561		20803	12680
5.585		414892	347045
5.629		1544593	1623684
5.784		32962	30904
5.826		49500	39305

RT B	Compound B	Height B	Area B
5.854		10703	6706
5.873		13734	8553
5.902		250772	214166
5.942		3250	2400
5.98		2656	1978
6.005		581457	491082
6.037		36745	27673
6.085		1640	1194
6.153		1353	1176
6.174		928	522
6.206		123042	108451
6.261		1218	891
6.324		863	389
6.339		1148	563
6.369	DCB	254765	231895
6.399		2464	3203
6.485		1551	2742
6.544		3335	2951
6.58		21411	18496
6.646		1183	802
6.715		1282	746
6.748		1998	2653
6.782		2455	5290
6.852		5165	6454
6.884		1922	2230
6.937		4601	12987

9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082

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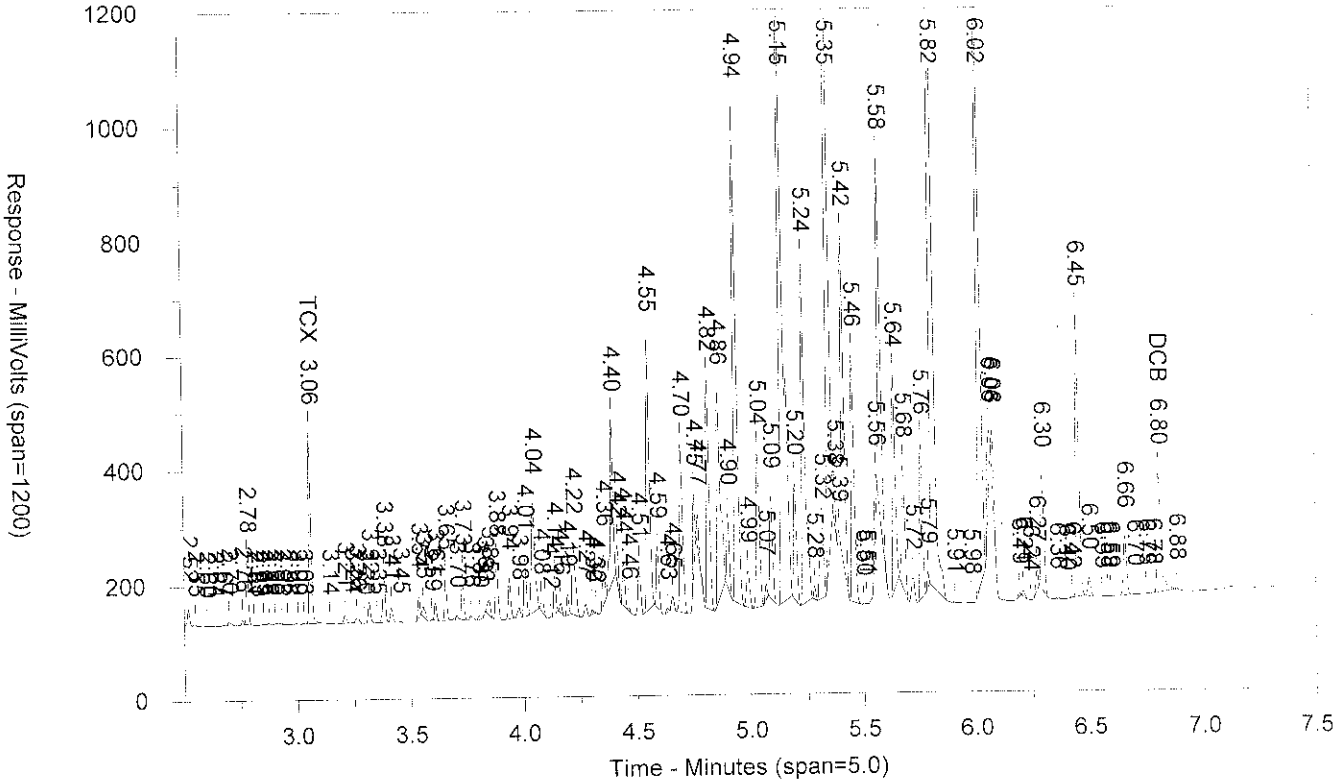

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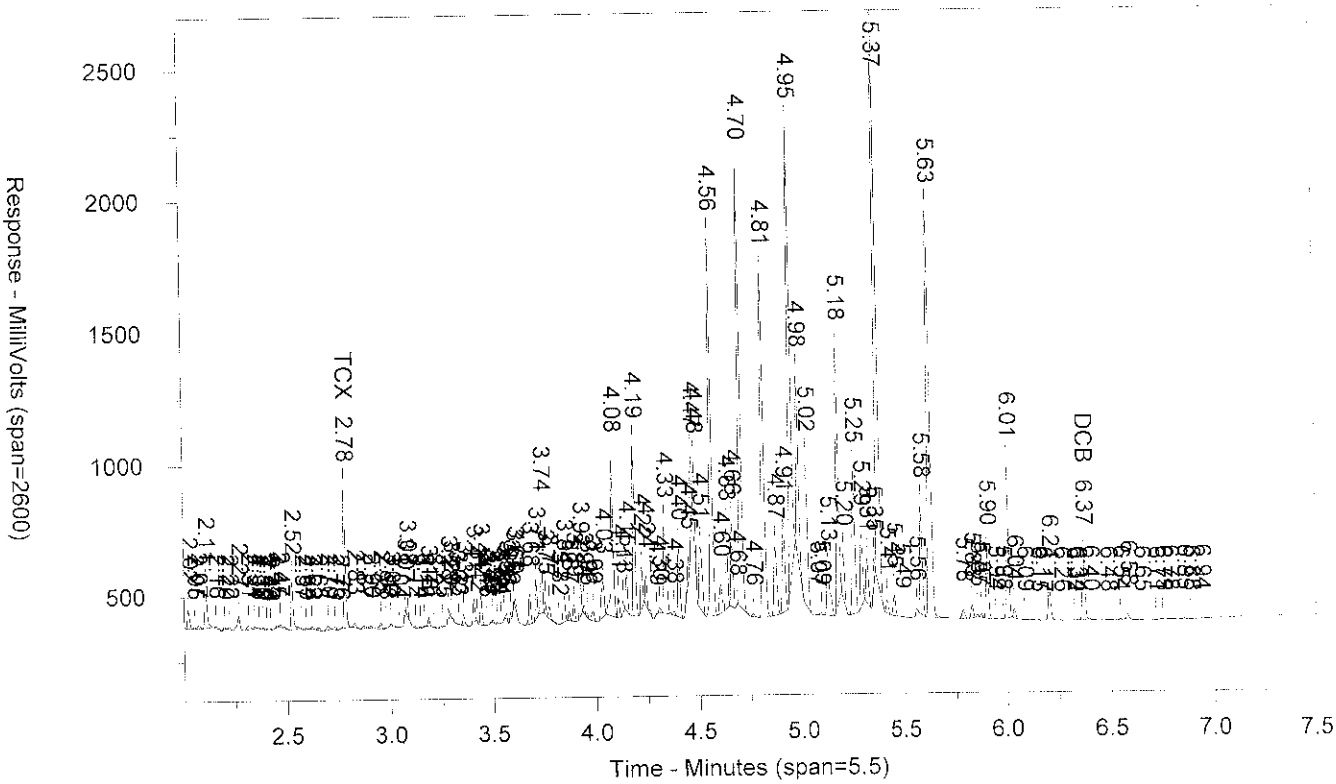

LANCASTER LABORATORIES

Sample Number: 9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 6:59:47 AM Sample Weight: 10.41
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	332309	23.158	TCX	2.781	528326	20.819	TCX
6.804	207446	23.735	DCB	6.369	254765	21.307	DCB

Files:
Area File: 25pcbs17309003.064.RAW
Area File: 25pcbs17309003B.064.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 7:08:18 AM
File Reported On: 11/14/2017 at 7:08:33 AM

9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082

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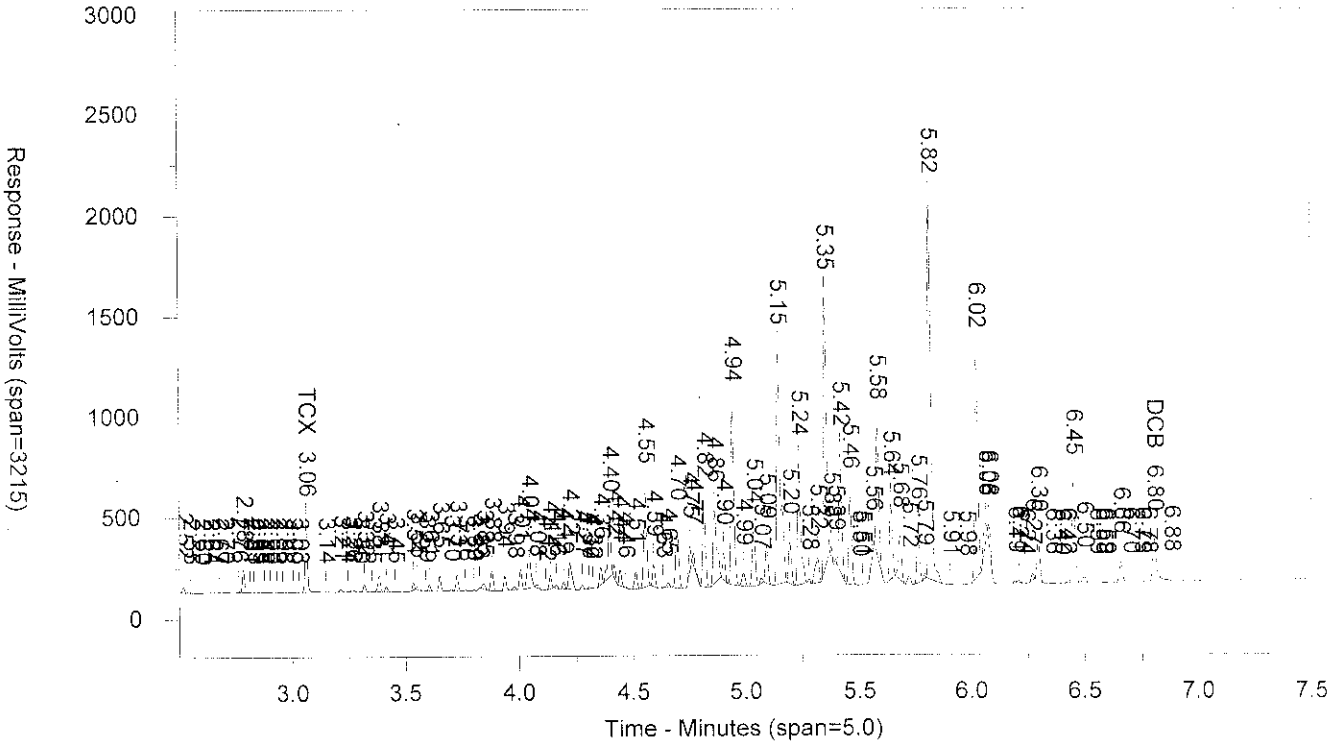

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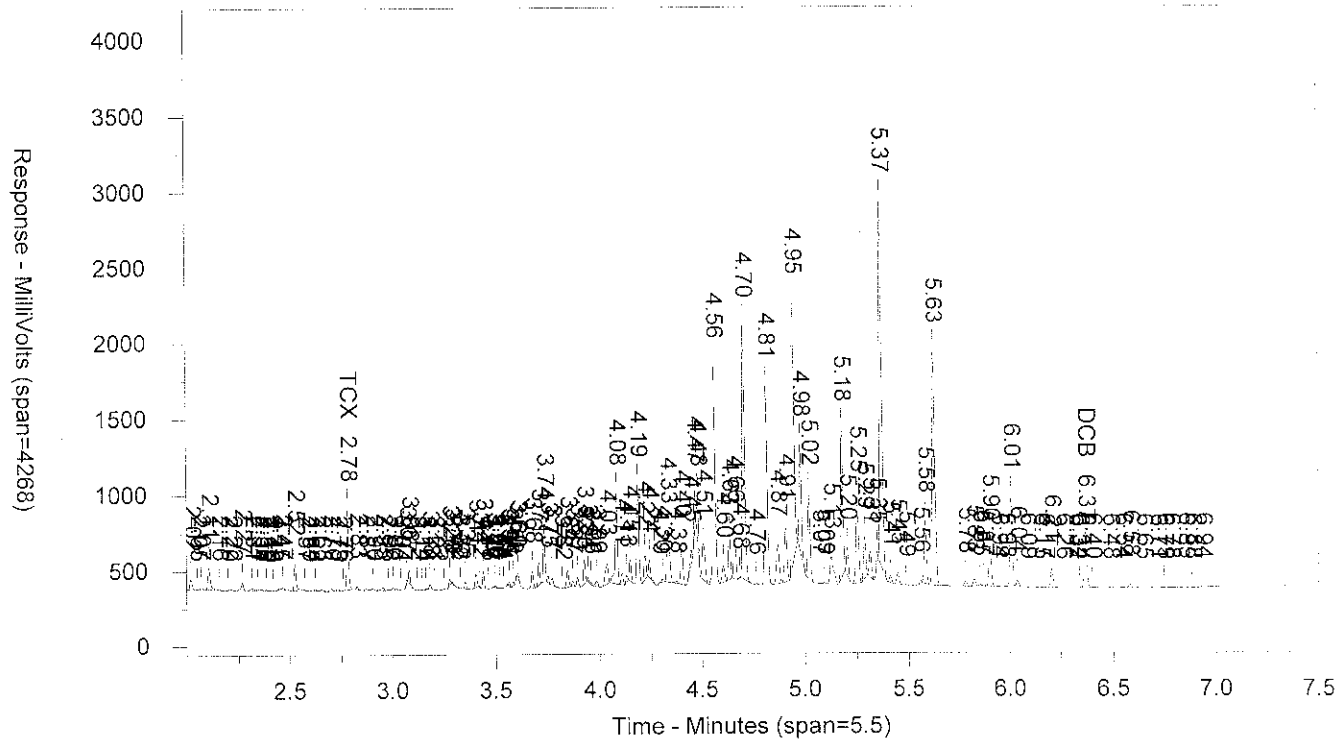

9229530 ACF DF10 AC03A03 T 172830025A 10225 SW-846 8082

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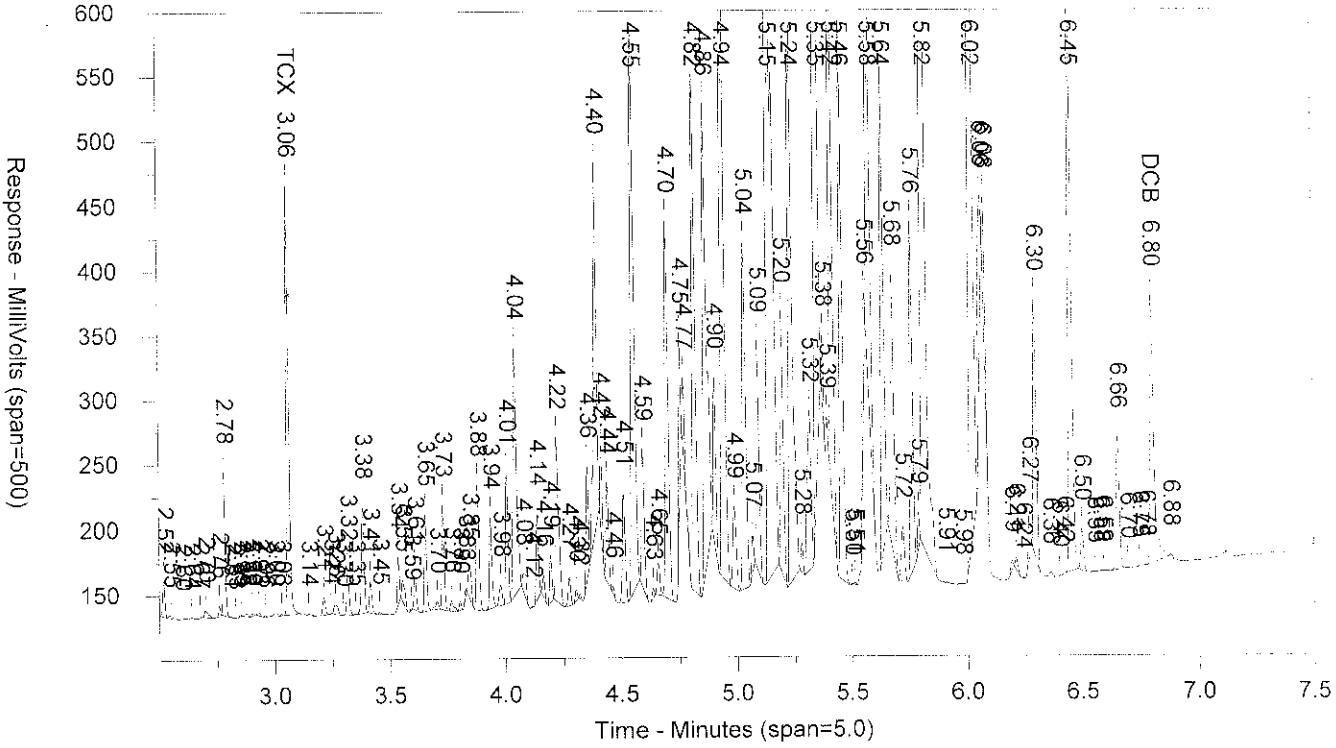

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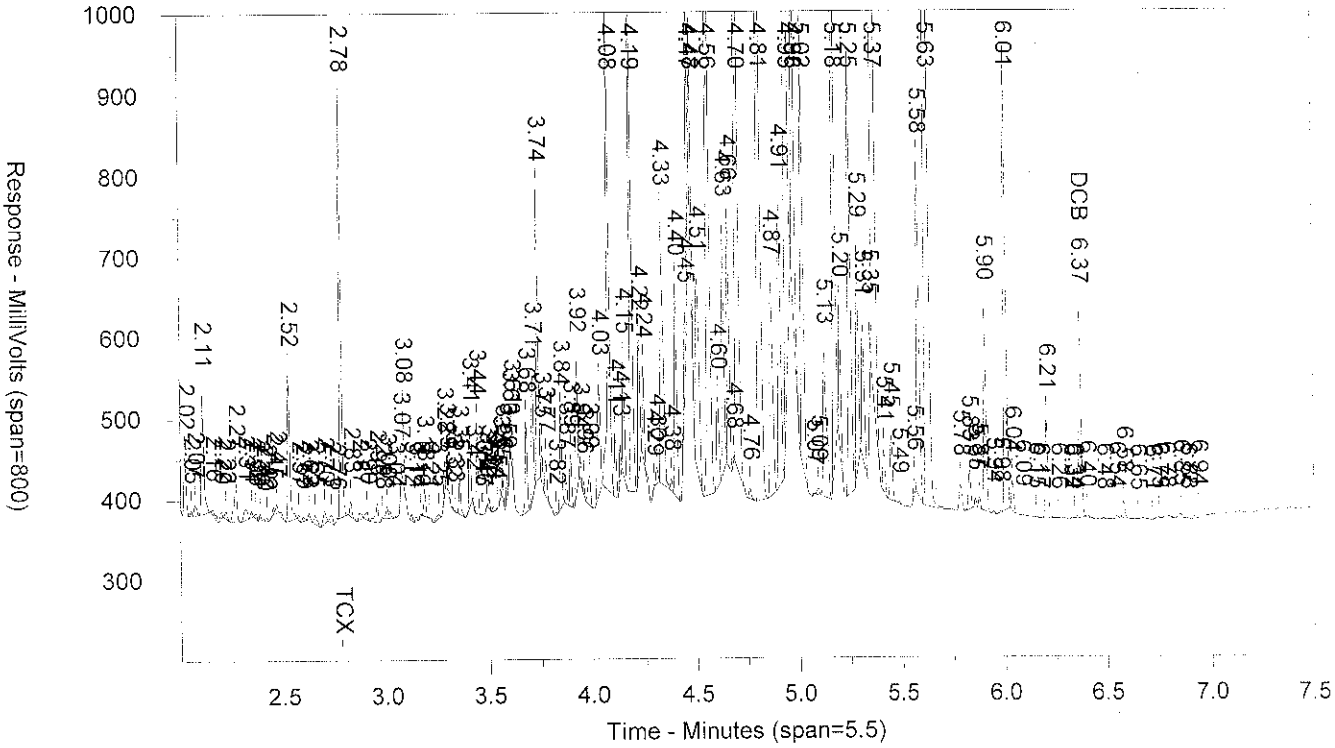

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Data Summary

Sample Name: 9229531 ACF DF50 03A04 Sample ID: AC **Batchnumber: 172830025A**

Sample Amount: 10.35 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 07:11:06
Instrument	18274A
Result file	25PCBS17309003.065.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 114% (61 - 152) Conc: 33.53643

%SSR(DCB) 109% (48 - 164) Conc: 28.53418

Analysis Report (B)

Injected on	Nov 14, 2017 07:11:06
Instrument	18274B
Result file	25PCBS17309003B.065.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 92% (61 - 152) Conc: 27.17849

%SSR(DCB) 147% (48 - 164) Conc: 38.54069

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	95694	33.53643
Decachlorobiphenyl	6.78	6.81	6.84	49591	28.53418

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	137150	27.17849
Decachlorobiphenyl	6.34	6.37	6.40	91635	38.54069

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	33.53643				20.94	
☑	Tetrachloro-m-xylene-D1	A	33.53643					
☑	Tetrachloro-m-xylene-D2	B	27.17849					
☐	Decachlorobiphenyl	B	38.54069				29.84	
☑	Decachlorobiphenyl-D1	A	28.53418					
☑	Decachlorobiphenyl-D2	B	38.54069					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248						**25.59**	
3.92	3.94	3.96	66145.36	2179.595656			2
3.98	4.01	4.02	178091.6	3447.466355			3
4.21	4.22	4.25	113705.1	2375.486514			4
Height summation:			**357942.06**				
Concentration		CF:	**2667.516175**	L:			
Aroclor-1254						**23.60**	
4.79	4.82	4.83	598155	5095.860971			2
5.01	5.04	5.05	373981.5	4672.510011			4
5.22	5.24	5.26	483838.8	7161.092656			5
Height summation:			**1455975.3**				
Concentration		CF:	**5643.154546**	L:			
Aroclor-1260						**10.74**	
5.56	5.58	5.60	371902.1	6240.159298			4
5.80	5.82	5.84	1202726	7657.527973			5
6.00	6.03	6.04	706914.3	7445.115082			6
Height summation:			**2281542.4**				
Concentration		CF:	**7114.267451**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248						**23.05**	
3.58	3.59	3.62	139005.3	3294.700153			1
3.66	3.68	3.70	115256.5	2107.928516			2
3.69	3.71	3.73	280852	3207.941151			3
Height summation:			**535113.8**				
Concentration		CF:	**2870.18994**	L:			
Aroclor-1254						**11.29**	
4.45	4.47	4.49	797276.9	4433.101782			2
4.62	4.63	4.66	471049.5	3920.01994			4
4.85	4.87	4.89	294025.3	3540.877449			5
Height summation:			**1562351.7**				
Concentration		CF:	**3964.66639**	L:			
Aroclor-1260						**5.72**	
5.16	5.18	5.20	615351.1	6447.33064			4
5.35	5.37	5.39	1514881	7118.381692			5
5.61	5.63	5.65	1044815	7144.26751			6
Height summation:			**3175047.1**				
Concentration		CF:	**6903.326614**	L:			

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:03

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Data Summary

Sample Name: 9229531 ACF DF50 03A04 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.35 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 07:11:06
Instrument	18274A
Result file	25PCBS17309003.065.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

Analysis Report (B)

Injected on	Nov 14, 2017 07:11:06
Instrument	18274B
Result file	25PCBS17309003B.065.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2463.7681	<478.2609	D1		4	
☑ PCB-1221			<2463.7681	<739.1304	D1		3	
☑ PCB-1232			<2463.7681	<594.2029	D1		4	
☑ PCB-1242			<2463.7681	<594.2029	D1		4	
☑ PCB-1248	B	2870.18994	2463.7681	478.2609	D2	7.32	4	
☑ PCB-1254	A	5643.154546	2463.7681	637.6812	D1	34.94	4	
☑ PCB-1260	A	7114.267451	2463.7681	565.2174	D1	3.01	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:03

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229531** ACF DF50 03A04 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.35 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274A
Result file : 25PCBS17309003.065.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 114% (61-152) Conc.: 33.53643
%SSR(DCB) : 109% (48-164) Conc.: 28.53418

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**47.59**	
3.29	3.32	3.33	38274.79	779.57832			1
3.51	3.54	3.55	45724.4	928.470556			2
3.63	3.65	3.67	123556.5	2010.813382			3
3.86	3.88	3.90	150288.2	2402.808342			4
3.92	3.94	3.96	66145.36	1202.146659			5
4.12	4.14	4.15	102626.3	2615.156582			6
Height Summation:			**526615.55**				
Amount Avg CF:			**1656.49564**	Linear:			
Aroclor-1221					**3**	**38.08**	
3.19	3.21	3.23	21681.66	921.394107			1
3.25	3.27	3.29	9122.339	439.131272			2
3.30	3.32	3.34	38274.79	586.591749			3
Height Summation:			**69078.789**				
Amount Avg CF:			**649.039043**	Linear:			
Aroclor-1232					**6**	**57.67**	
3.30	3.32	3.34	38274.79	723.624792			1
3.51	3.54	3.55	45724.4	2079.816511			2
3.63	3.65	3.67	123556.5	4551.883901			3
3.86	3.88	3.90	150288.2	5340.589288			4
3.92	3.94	3.96	66145.36	2827.687662			5
4.12	4.14	4.16	102626.3	6175.459989			6
Height Summation:			**526615.55**				
Amount Avg CF:			**3616.510357**	Linear:			
Aroclor-1242					**6**	**45.94**	
3.30	3.32	3.34	38274.79	987.784363			1
3.51	3.54	3.55	45724.4	1201.642991			2
3.63	3.65	3.67	123556.5	2678.131806			3
3.86	3.88	3.90	150288.2	3024.450598			4
3.92	3.94	3.96	66145.36	1614.296874			5
4.12	4.14	4.16	102626.3	3238.513847			6
Height Summation:			**526615.55**				
Amount Avg CF:			**2124.136747**	Linear:			
Aroclor-1248					**6**	**60.44**	
3.85	3.88	3.89	150288.2	4689.109776			1
3.92	3.94	3.96	66145.36	2179.595656			2
3.98	4.01	4.02	178091.6	3447.466355			3
4.21	4.22	4.25	113705.1	2375.486514			4
4.39	4.40	4.43	282721.8	5345.449939			5
+ 4.39	4.42	4.43	97106.63	1836.004968			5
4.53	4.55	4.57	502298.9	9744.045605			6
Height Summation:			**1293250.96**				
Amount Avg CF:			**4630.192308**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274B
Result file : 25PCBS17309003B.065.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 92% (61-152) Conc.: 27.17849
%SSR(DCB) : 147% (48-164) Conc.: 38.54069

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**107.14**	
3.05	3.07	3.09	36004.11	422.136305			1
+ 3.05	3.08	3.09	26524.93	310.996049			1
3.38	3.40	3.42	179807.6	1834.059541			2
3.58	3.59	3.62	139005.3	1602.509417			3
+ 3.58	3.60	3.62	28439.4	327.860926			3
+ 3.58	3.62	3.62	117221.7	1351.37925			3
3.66	3.68	3.70	115256.5	1205.086929			4
3.72	3.73	3.76	600232.7	8043.754512			5
+ 3.72	3.75	3.76	496625.8	6655.312214			5
3.83	3.84	3.87	173061.8	2326.192011			6
Height Summation:			**1243368.01**				
Amount Avg CF:			**2572.289786**	Linear:			
Aroclor-1221					**3**	**52.33**	
2.93	2.95	2.97	39044.06	845.888317			1
+ 2.99	3.00	3.03	3553.746	131.942831			2
2.99	3.02	3.03	11995.42	445.363759			2
3.05	3.07	3.09	36004.11	308.918384			3
+ 3.05	3.08	3.09	26524.93	227.586198			3
Height Summation:			**87043.59**				
Amount Avg CF:			**533.390153**	Linear:			
Aroclor-1232					**6**	**123.93**	
3.05	3.07	3.09	36004.11	386.4161			1
+ 3.05	3.08	3.09	26524.93	284.680277			1
3.38	3.40	3.42	179807.6	4238.020484			2
3.58	3.59	3.62	139005.3	3243.065876			3
+ 3.58	3.60	3.62	28439.4	663.505979			3
+ 3.58	3.62	3.62	117221.7	2734.843169			3
3.66	3.68	3.70	115256.5	2810.622503			4
E 3.71	3.73	3.75	600232.7	22350.701858			5
E+ 3.71	3.75	3.75	496625.8	18492.719891			5
3.82	3.84	3.86	173061.8	5623.586551			6
Height Summation:			**1243368.01**				
Amount Avg CF:			**6442.068895**	Linear:			
Aroclor-1242					**6**	**115.65**	
3.05	3.07	3.09	36004.11	535.282735			1
+ 3.05	3.08	3.09	26524.93	394.35323			1
3.38	3.40	3.42	179807.6	2420.262241			2
3.58	3.59	3.62	139005.3	1872.373995			3
+ 3.58	3.60	3.62	28439.4	383.073113			3
+ 3.58	3.62	3.62	117221.7	1578.953196			3
3.66	3.68	3.70	115256.5	1528.639437			4
E 3.71	3.73	3.75	600232.7	11371.274036			5
+ 3.71	3.75	3.75	496625.8	9408.464526			5
3.83	3.84	3.87	173061.8	2870.82974			6
Height Summation:			**1243368.01**				
Amount Avg CF:			**3433.110364**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229531** ACF DF50 03A04 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.35 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274A
Result file : 25PCBS17309003.065.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	69.21	
4.73	4.75	4.77	159045.2	2707.19223			1
+ 4.73	4.77	4.77	31041.77	528.378339			1
4.79	4.82	4.83	598155	5095.860971			2
4.92	4.94	4.96	642809.8	17867.157186			3
5.01	5.04	5.05	373981.5	4672.510011			4
5.22	5.24	5.26	483838.8	7161.092656			5
5.33	5.35	5.37	1068262	13051.899941			6
Height Summation:			**3326092.3**				
Amount Avg CF:			**8425.952166**	Linear:			
Aroclor-1260					6	15.53	
4.92	4.94	4.96	642809.8	7823.324311			1
5.12	5.15	5.16	719120.3	9165.9414			2
5.33	5.35	5.37	1068262	9673.938187			3
+ 5.56	5.56	5.60	70766.02	1187.385706			4
5.56	5.58	5.60	371902.1	6240.159298			4
5.80	5.82	5.84	1202726	7657.527973			5
6.00	6.03	6.04	706914.3	7445.115082			6
Height Summation:			**4711734.5**				
Amount Avg CF:			**8001.001042**	Linear:			
Aroclor-1262					6	45.71	
5.40	5.42	5.44	377202.2	3660.434528			1
+ 5.56	5.56	5.60	70766.02	812.394694			2
5.56	5.58	5.60	371902.1	4269.440233			2
5.80	5.82	5.84	1202726	6073.816073			3
6.00	6.03	6.04	706914.3	5607.475817			4
+ 6.06	6.07	6.10	43729.41	719.895735			5
6.06	6.08	6.10	48852.41	804.233161			5
6.44	6.46	6.48	313245.9	3972.510127			6
Height Summation:			**3020842.91**				
Amount Avg CF:			**4064.651657**	Linear:			
Aroclor-1268					6	131.25	
6.00	6.03	6.04	706914.3	3279.017888			1
+ 6.06	6.07	6.10	43729.41	238.036565			2
6.06	6.08	6.10	48852.41	265.923091			2
6.19	6.19	6.23	8012.621	46.126786			3
+ 6.19	6.21	6.23	4790.406	27.577248			3
6.26	6.27	6.30	22652.93	471.383793			4
6.44	6.46	6.48	313245.9	4011.652605			5
6.64	6.66	6.68	64924.51	104.474587			6
Height Summation:			**1164602.671**				
Amount Avg CF:			**1363.096458**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274B
Result file : 25PCBS17309003B.065.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	45.75	
3.58	3.59	3.62	139005.3	3294.700153			1
+ 3.58	3.60	3.62	28439.4	674.069949			1
+ 3.58	3.62	3.62	117221.7	2778.385809			1
3.66	3.68	3.70	115256.5	2107.928516			2
3.69	3.71	3.73	280852	3207.941151			3
3.82	3.84	3.86	173061.8	1683.739319			4
3.92	3.93	3.96	119744.2	1694.202822			5
+ 3.92	3.94	3.96	76751.83	1085.924554			5
+ 3.92	3.96	3.96	13422.07	189.902382			5
4.06	4.08	4.10	691704.6	5058.204124			6
Height Summation:			**1519624.4**				
Amount Avg CF:			**2841.119347**	Linear:			
Aroclor-1254					6	69.27	
4.38	4.40	4.42	323307.5	3276.127416			1
+ 4.45	4.45	4.49	56277.83	312.921832			2
4.45	4.47	4.49	797276.9	4433.101782			2
4.54	4.56	4.58	1096373	13987.971464			3
4.62	4.63	4.66	471049.5	3920.01994			4
4.85	4.87	4.89	294025.3	3540.877449			5
4.93	4.95	4.97	1412898	11370.233326			6
Height Summation:			**4394930.2**				
Amount Avg CF:			**6754.721896**	Linear:			
Aroclor-1260					6	16.11	
4.69	4.70	4.72	1307677	8887.692451			1
4.80	4.81	4.84	964171.6	7417.769443			2
4.93	4.95	4.97	1412898	9758.270271			3
5.16	5.18	5.20	615351.1	6447.33064			4
5.35	5.37	5.39	1514881	7118.381692			5
5.61	5.63	5.65	1044815	7144.26751			6
Height Summation:			**6859793.7**				
Amount Avg CF:			**7795.618668**	Linear:			
Aroclor-1262					6	28.92	
4.96	4.98	5.00	420354.2	2871.208627			1
5.16	5.18	5.20	615351.1	3991.053325			2
5.35	5.37	5.39	1514881	4967.218064			3
5.57	5.59	5.61	266886.6	2361.202751			4
5.61	5.63	5.65	1044815	5025.18253			5
5.99	6.01	6.03	382768.6	3437.020121			6
Height Summation:			**4245056.5**				
Amount Avg CF:			**3775.480903**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229531 ACF DF50 03A04 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.35 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274A
Result file : 25PCBS17309003.065.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 07:11:06
Instrument : CP25--18274B
Result file : 25PCBS17309003B.065.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**115.93**	
5.57	5.59	5.61	266886.6	850.910524			1
5.61	5.63	5.65	1044815	3423.681061			2
5.77	5.78	5.81	24175.81	95.781042			3
+ 5.84	5.86	5.88	4657.449	72.250427			4
5.84	5.87	5.88	28980.29	449.567636			4
5.99	6.01	6.03	382768.6	3527.006777			5
6.19	6.21	6.23	72780.06	82.168524			6

Height Summation: **1820406.36**
Amount Avg CF: **1404.852594** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2463.7681	478.2609		** 43.31	4	40	
Aroclor-1221			2463.7681	739.1304		19.56	3	5	
Aroclor-1232			2463.7681	594.2029		** 56.18	4	10	
Aroclor-1242			2463.7681	594.2029		** 47.11	4	30	
Aroclor-1248			2463.7681	478.2609		** 47.89	4	40	
Aroclor-1254			2463.7681	637.6812		22.02	4	40	
Aroclor-1260			2463.7681	565.2174		2.60	4	40	
Aroclor-1262			2463.7681	478.2609		7.38	4	40	
Aroclor-1268			2463.7681	478.2609		3.02	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:11:06 AM 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: 25pcbs17309003.065.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.007		603	304
2.029		1778	1365
2.099		2506	1688
2.12		843	604
2.166		8115	8440
2.218		2729	4006
2.267		747	1091
2.287		1533	1235
2.327		30117	25741
2.371		475	228
2.437		11200	8171
2.464		1419	986
2.514		2490	3684
2.549		1661	1923
2.616		1258	1418
2.65		1258	1416
2.678		939	710
2.699		7438	6036
2.733		240	220
2.759		3793	2158
2.781		28044	18931
2.824		469	195
2.85		735	409
2.874		387	367
2.897		915	542
2.93		1358	1270
2.955		1211	751
3.026		428	185
3.06	TCX	95694	74286
3.213		21682	19769
3.271		9122	8137
3.317		38275	28904
3.383		34350	30782
3.414		33049	23948
3.453		1909	1390
3.49		1167	1011
3.536		45724	26790
3.553		54037	36765
3.591		3309	1747
3.607		27774	18214
3.653		123557	90190
3.69		711	426
3.703		4992	2813
3.728		65977	46811
3.765		5913	3394
3.78		4330	2366
3.804		740	349
3.843		134425	181810
3.883		150288	137141
3.938		66145	52146
3.981		39484	30435
4.007		178092	132564
4.036		217211	163688
4.059		229786	145162

RT A	Compound A	Height A	Area A
4.138		102626	74242
4.163		95169	69162
4.195		143031	103665
4.223		113705	135987
4.275		41872	34245
4.304		17863	12310
4.322		3117	1575
4.356		84216	67058
4.396		282722	226273
4.416		97107	58592
4.442		277721	230005
4.511		139908	118331
4.554		502299	510802
4.59		210273	183021
4.632		42377	29860
4.656		36946	27602
4.698		225424	235380
4.754		159045	120386
4.77		31042	30373
4.818		598155	529063
4.865		269103	315909
4.904		98576	68402
4.943		642810	595947
4.993		69288	70497
5.037		373982	361634
5.07		17282	11616
5.095		146470	129531
5.147		719120	588301
5.166		112592	69115
5.199		141324	121268
5.239		483839	469168
5.283		38901	26661
5.319		105270	126662
5.355		1068262	982231
5.378		49681	23303
5.396		24647	10855
5.418		377202	324837
5.461		268453	260175
5.502		1009	599
5.564		70766	60083
5.582		371902	300100
5.64		246986	222618
5.679		151499	146505
5.721		25976	26251
5.762		210360	188080
5.791		32083	20565
5.819		1202726	1150334
5.909		709	503
5.934		20019	17995
5.962		548	241
5.981		468	294
6.026		706914	707530
6.067		43729	76422
6.079		48852	39363
6.194		8013	6044
6.212		4790	3486
6.245		1817	1095
6.273		22653	16603
6.299		145492	134405
6.363		5070	5633
6.425		4440	3533
6.455		313246	301885
6.502		21365	26069
6.59		1043	1116
6.658		64925	62991
6.696		46048	42474

RT A	Compound A	Height A	Area A
6.756		433	363
6.776		1085	647
6.807	DCB	49591	46076
6.846		3674	3488
6.886		1745	1774
6.984		688	1159

LANCASTER LABORATORIES

Sample Number: 9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:11:06 AM 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: 25pcbs17309003B.065.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.023		7073	6940
2.05		7334	5738
2.067		19133	13189
2.107		50356	58666
2.198		6995	5419
2.22		8304	8583
2.255		11847	18453
2.318		7031	8314
2.343		7164	5115
2.366		5950	3888
2.385		7562	4246
2.403		2939	1750
2.42		4047	2035
2.448		3168	2512
2.466		10772	12714
2.524		53084	41635
2.572		5951	4143
2.602		4825	5010
2.623		5980	4391
2.649		5633	8891
2.7		14466	17403
2.729		7802	8209
2.758		2974	1742
2.781	TCX	137150	90127
2.826		37597	38712
2.869		7577	14601
2.954		39044	29484
2.977		3895	2278
3.003		3554	3860
3.017		11995	6622
3.037		2139	858
3.07		36004	18124
3.081		26525	10268
3.117		2146	1966
3.141		3436	2026
3.16		2716	1134
3.183		52500	36852
3.247		2305	1761
3.261		513	89
3.279		48934	24075
3.291		63363	32742
3.332		8780	4234
3.354		50363	34980
3.404		179808	143862
3.441		104233	66073
3.467		567	137
3.495		20466	26749
3.538		1524	912
3.565		168752	132006
3.585		139005	74827
3.601		28439	11518
3.616		117222	71273
3.678		115257	86804
3.71		280852	172407

RT B	Compound B	Height B	Area B
3.735		600233	344894
3.754		496626	280362
3.771		10788	6659
3.82		1711	762
3.845		173062	121698
3.87		144407	85531
3.892		214435	157741
3.925		119744	66958
3.942		76752	40836
3.957		13422	6028
3.984		55502	51843
4.035		105563	116602
4.059		26894	18761
4.082		691705	467858
4.109		271695	172560
4.13		174209	95516
4.148		207249	127695
4.186		711856	545802
4.22		329596	232677
4.241		149401	87013
4.263		65363	40282
4.305		60099	54189
4.339		222519	264406
4.37		30653	29373
4.401		323308	248759
4.448		56278	64357
4.466		797277	818009
4.506		190739	194414
4.562		1096373	970943
4.602		115783	112339
4.634		471050	342624
4.66		284874	206835
4.704		1307677	1094186
4.762		70677	54173
4.813		964172	906466
4.868		294025	277033
4.909		294277	266681
4.948		1412898	1238183
4.981		420354	304136
5.022		345860	286920
5.093		9633	11440
5.127		114242	150423
5.179		615351	489465
5.204		208842	151418
5.253		374617	341739
5.289		185294	146773
5.315		120509	96860
5.349		96608	59371
5.37		1514881	1216247
5.412		32902	23450
5.448		53066	44110
5.563		14399	8640
5.585		266887	222597
5.63		1044815	1045434
5.732		3144	2298
5.753		725	316
5.785		24176	22006
5.827		35555	29303
5.856		4657	3002
5.874		28980	20033
5.903		168049	142431
5.942		2263	1988
5.979		5519	3562
6.006		382769	325224
6.038		24508	18731
6.09		2658	2184

RT B	Compound B	Height B	Area B
6.187		2972	1639
6.207		72780	60715
6.291		1535	1937
6.335		270	830
6.368	DCB	91635	91182
6.404		6352	7061
6.461		1157	1232
6.494		1382	1328
6.521		1030	652
6.545		2420	1624
6.582		4057	3006
6.644		1549	1387
6.718		1856	1090
6.741		2601	2503
6.771		2589	2093
6.801		5611	4716
6.854		4570	4866
6.888		2711	2719
6.956		1184	6882
6.973		904	471

9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082

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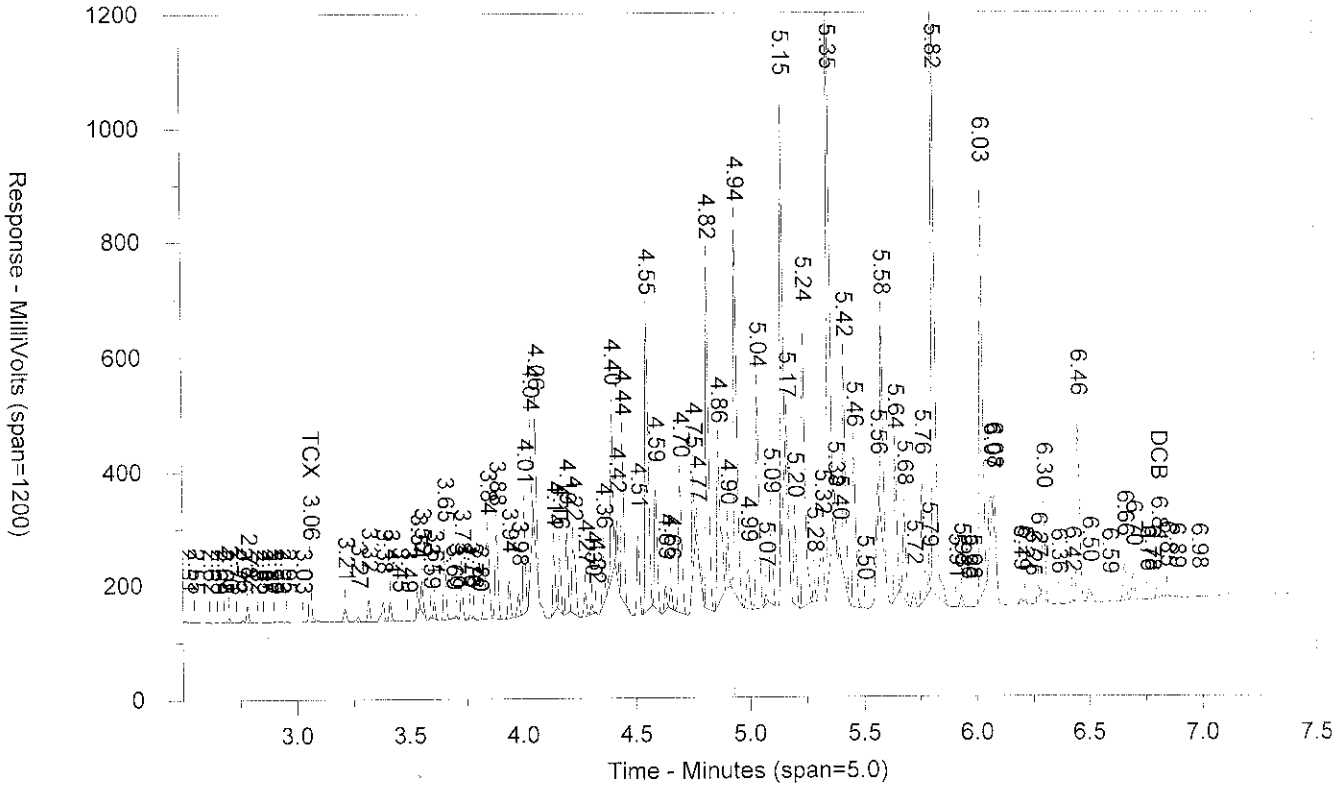

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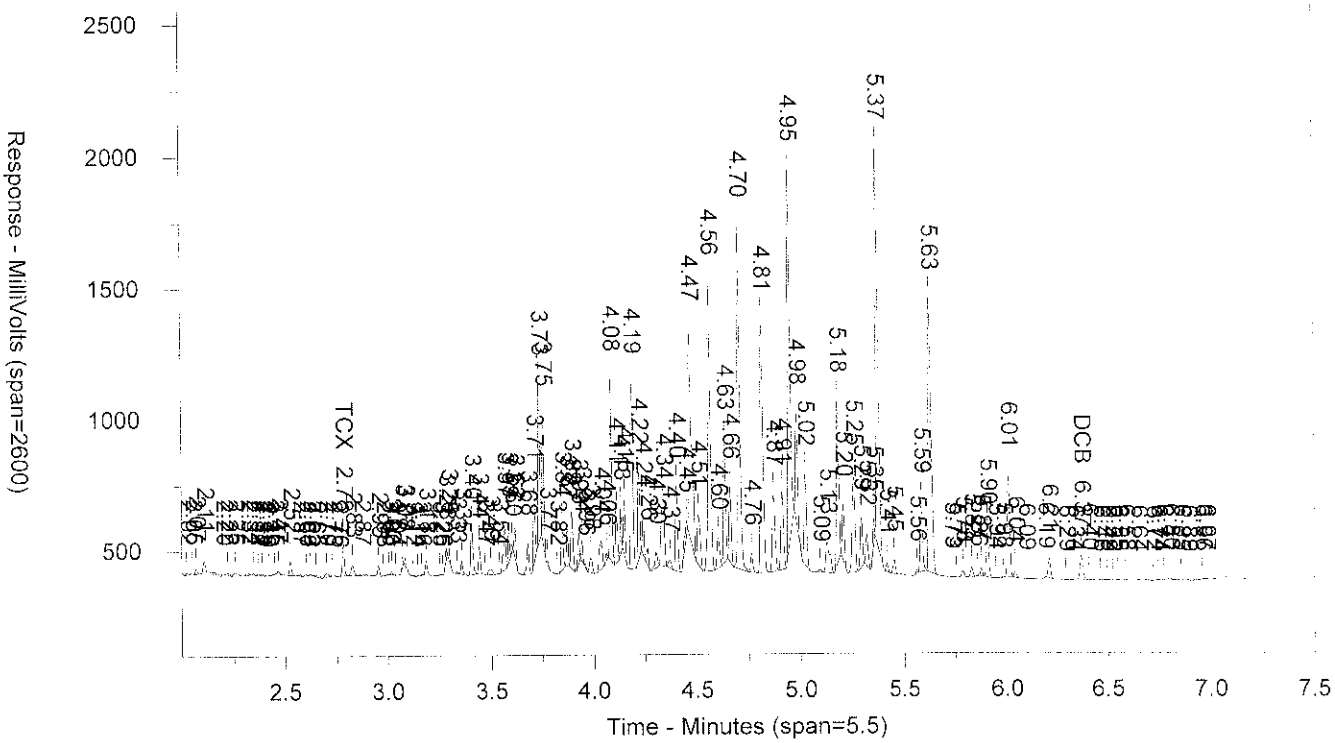

LANCASTER LABORATORIES

Sample Number: 9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:11:06 AM Sample Weight: 10.35
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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	95694	33.536	TCX	2.781	137150	27.178	TCX
6.807	49591	28.534	DCB	6.368	91635	38.541	DCB

Files:
Area File: 25pcbs17309003.065.RAW
Area File: 25pcbs17309003B.065.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 7:19:37 AM
File Reported On: 11/14/2017 at 7:19:48 AM

9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082

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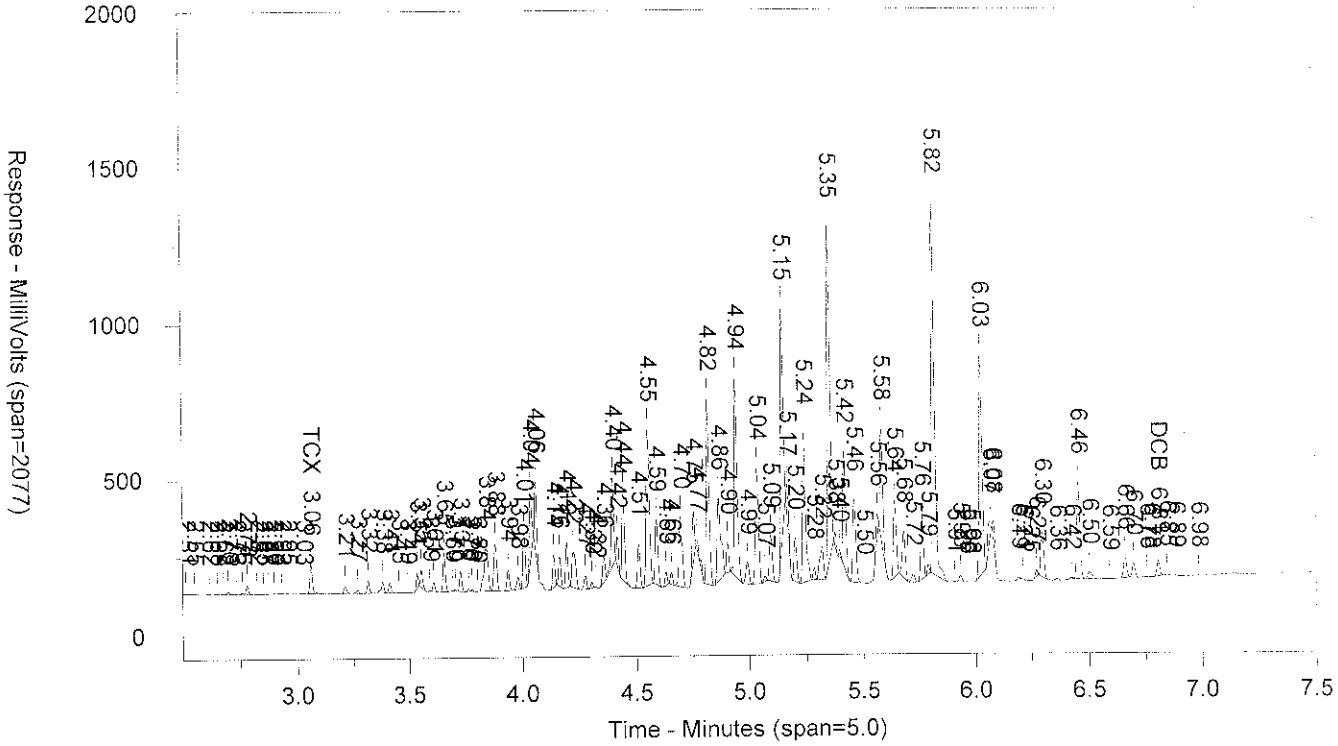

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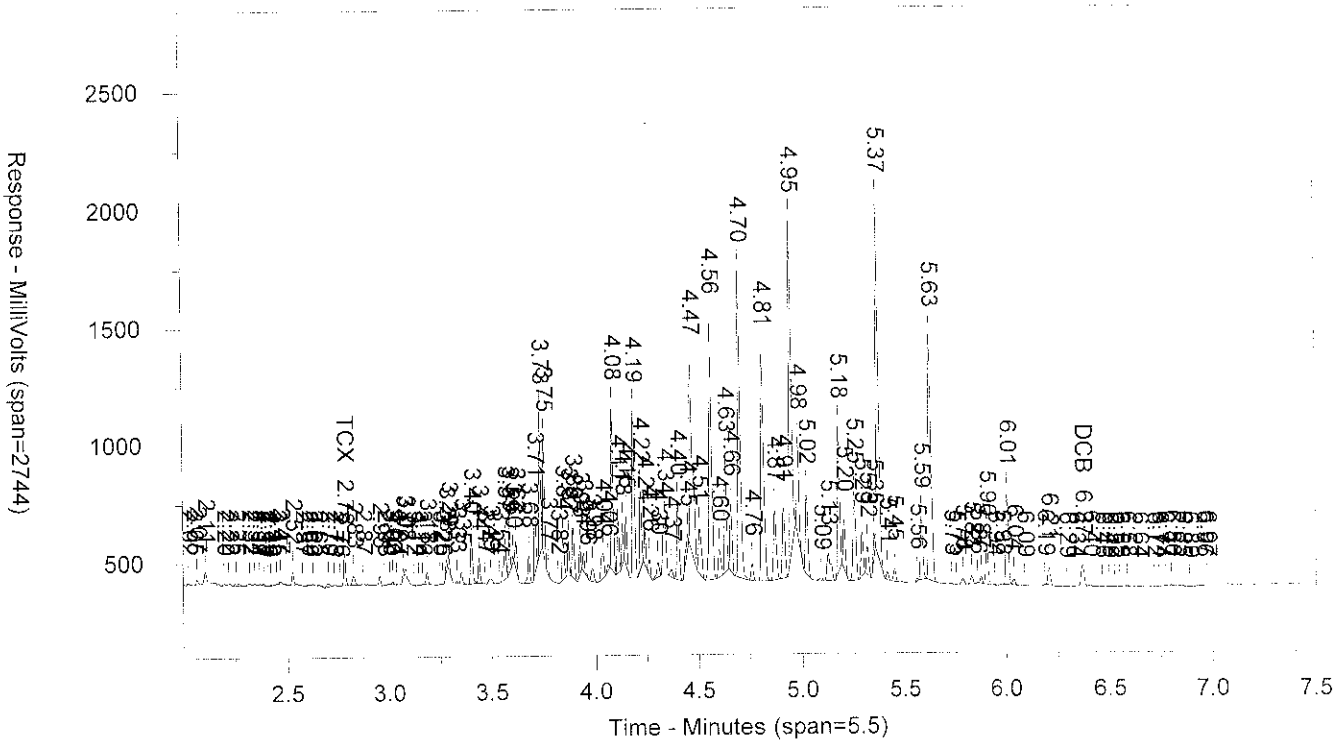

9229531 ACF DF50 AC03A04 T 172830025A 10225 SW-846 8082

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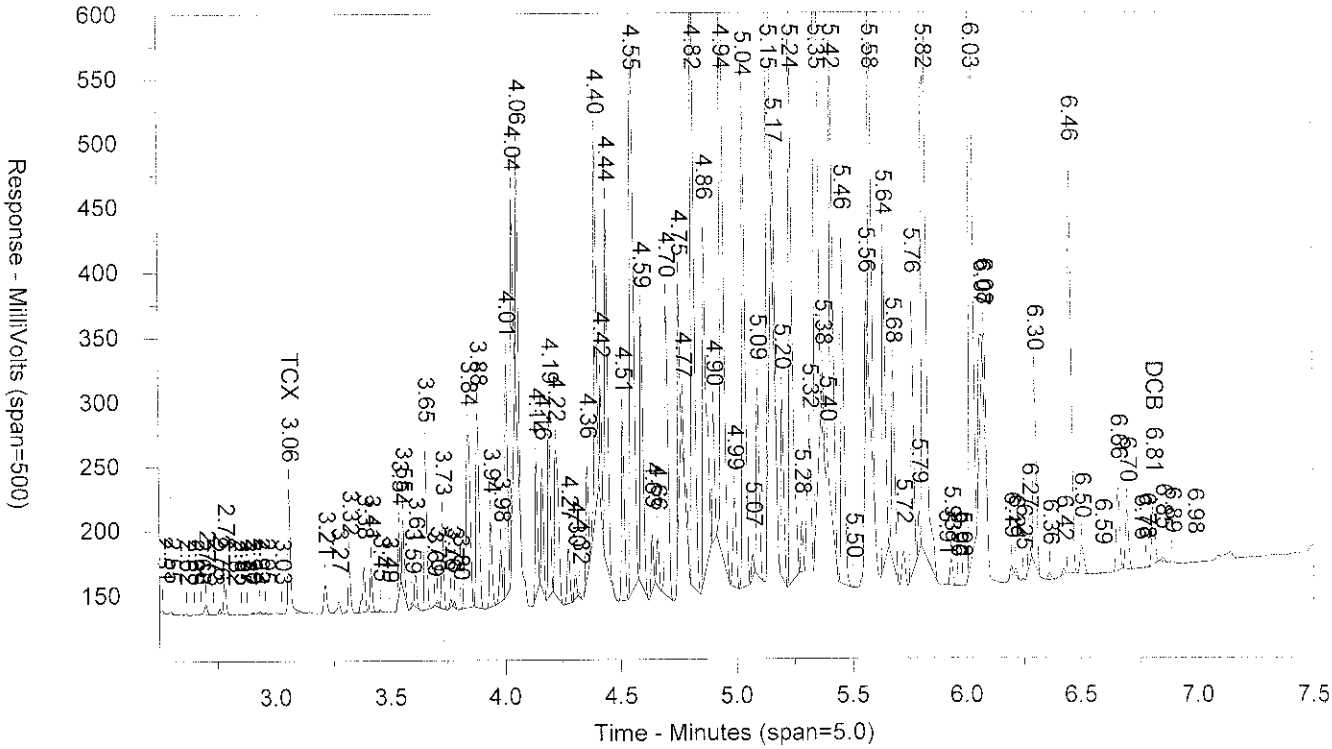

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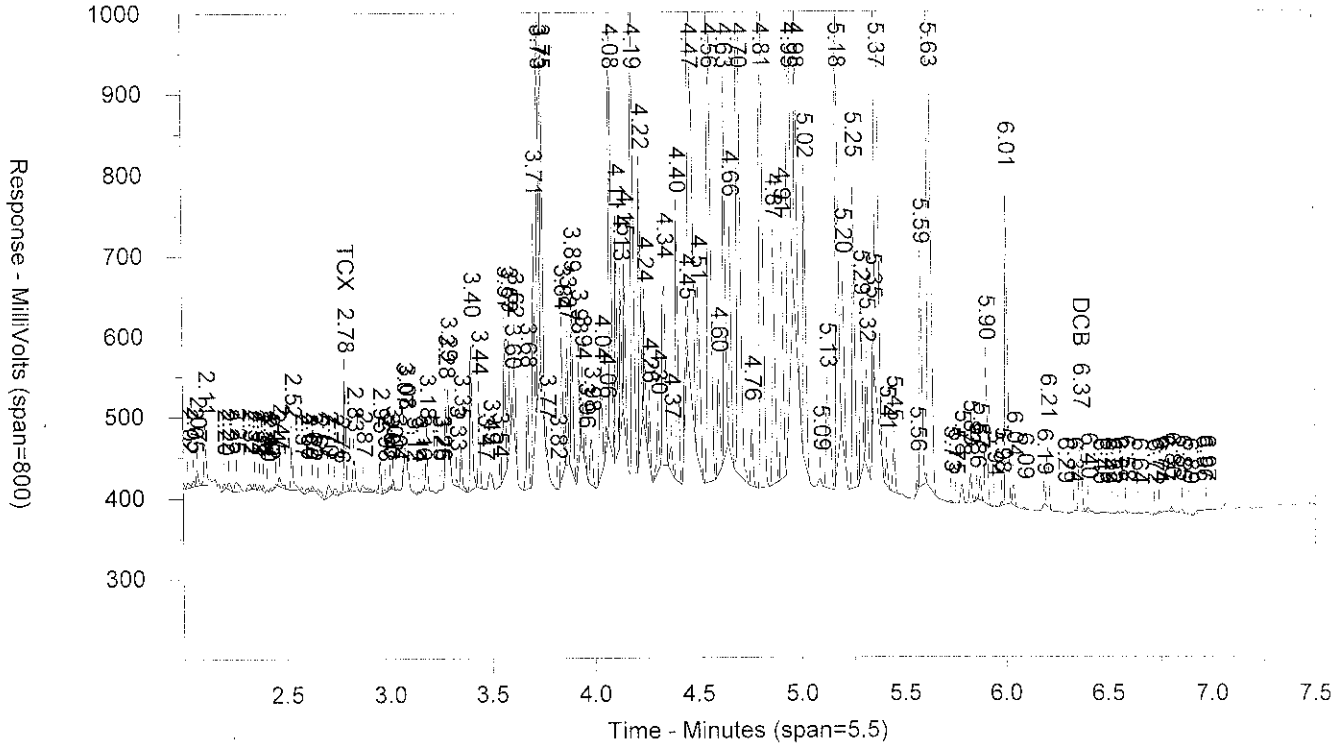

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Data Summary

Sample Name: 9229532 ACF DF20 03A05 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:30:13
Instrument	19843A
Result file	07PCBS17292004.0072.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 67% (61 - 152) Conc: 20.25476
%SSR(DCB) 114% (48 - 164) Conc: 30.55593

Analysis Report (B)

Injected on	Oct 25, 2017 10:30:13
Instrument	19843B
Result file	07PCBS17292004B.0072.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 80% (61 - 152) Conc: 24.14514
%SSR(DCB) 98% (48 - 164) Conc: 26.13581

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	653333	20.25476	Tetrachloro-m-xylene	2.72	2.75	2.78	372324	24.14514
Decachlorobiphenyl	6.72	6.75	6.78	396172	30.55593	Decachlorobiphenyl	6.29	6.31	6.35	306350	26.13581

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	24.14514				17.52	
☑	Tetrachloro-m-xylene-D1	A	20.25476					
☑	Tetrachloro-m-xylene-D2	B	24.14514					
☐	Decachlorobiphenyl	A	30.55593				15.59	
☑	Decachlorobiphenyl-D1	A	30.55593					
☑	Decachlorobiphenyl-D2	B	26.13581					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.97**	
4.88	4.90	4.92	5752517	6374.407666			1
5.29	5.31	5.33	9453997	7972.072269			2
5.36	5.37	5.40	4145083	6906.001227			3
5.52	5.54	5.56	4292939	6912.917133			4
5.76	5.77	5.80	12267600	8303.834389			5
5.96	5.98	6.00	6860666	7554.641036			6

Height summation: **42772802**
Concentration CF: **7337.312287** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.01**	
4.64	4.65	4.68	4821452	7040.811717			1
4.75	4.76	4.78	3553597	5969.055641			2
4.88	4.89	4.92	5136340	7569.520022			3
5.11	5.12	5.15	2619442	5883.52555			4
5.30	5.32	5.34	7395814	7125.561461			5
5.56	5.58	5.60	4650244	6654.398111			6

Height summation: **28176889**
Concentration CF: **6707.145417** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1003.937	<194.8819	D1		4	
☑	PCB-1221			<1003.937	<301.1811	D1		3	
☑	PCB-1232			<1003.937	<242.126	D1		4	
☑	PCB-1242			<1003.937	<242.126	D1		4	
☑	PCB-1248			<1003.937	<194.8819	D1		4	
☑	PCB-1254			<1003.937	<259.8425	D1		4	
☑	PCB-1260	A	7337.312287	1003.937	230.315	D1	8.97	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229532** ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 67% (61-152) Conc.: 20.25476 poor
%SSR(DCB) : 114% (48-164) Conc.: 30.55593

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	119.14	
3.27	3.28	3.31	12478.99	24.528234			1
3.48	3.50	3.52	38787.03	73.361593			2
+ 3.48	3.52	3.52	38355.42	72.545248			2
3.60	3.62	3.64	85526.63	140.285041			3
3.82	3.85	3.86	118240.1	166.522554			4
3.88	3.90	3.92	71294.28	120.072923			5
4.08	4.10	4.12	297838.3	675.528961			6
Height Summation:			**624165.33**				
Amount Avg CF:			**200.049884**	Linear:			
Aroclor-1221					3	61.81	
+ 3.16	3.18	3.20	10173.81	39.05605			1
3.16	3.20	3.20	18624.69	71.497976			1
3.22	3.22	3.26	16688.24	74.309364			2
+ 3.22	3.24	3.26	15195.45	67.662271			2
3.27	3.28	3.31	12478.99	15.421816			3
Height Summation:			**47791.92**				
Amount Avg CF:			**53.743052**	Linear:			
Aroclor-1232					6	130.73	
3.26	3.28	3.30	12478.99	20.134984			1
3.48	3.50	3.52	38787.03	158.086726			2
+ 3.48	3.52	3.52	38355.42	156.327586			2
3.60	3.62	3.64	85526.63	299.384593			3
3.82	3.85	3.86	118240.1	338.314907			4
3.88	3.90	3.92	71294.28	270.741845			5
+ 4.08	4.08	4.12	6926.843	38.390717			6
4.08	4.10	4.12	297838.3	1650.712446			6
Height Summation:			**624165.33**				
Amount Avg CF:			**456.22925**	Linear:			
Aroclor-1242					6	122.14	
3.27	3.28	3.31	12478.99	28.630032			1
3.48	3.50	3.52	38787.03	88.41112			2
+ 3.48	3.52	3.52	38355.42	87.427309			2
3.60	3.62	3.64	85526.63	168.399598			3
3.82	3.85	3.86	118240.1	193.210611			4
3.88	3.90	3.92	71294.28	155.426084			5
4.08	4.10	4.12	297838.3	854.111742			6
Height Summation:			**624165.33**				
Amount Avg CF:			**248.031531**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 80% (61-152) Conc.: 24.14514
%SSR(DCB) : 98% (48-164) Conc.: 26.13581

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	78.82	
+ 3.02	3.02	3.06	1248.145	4.586196			1
3.02	3.05	3.06	174821.4	642.365467			1
3.35	3.36	3.39	66390.16	201.26616			2
3.54	3.55	3.58	74639.96	226.878853			3
+ 3.54	3.58	3.58	57094.38	173.546549			3
3.62	3.63	3.66	43424.31	126.911327			4
3.68	3.69	3.72	302724.8	1172.424896			5
+ 3.68	3.71	3.72	273796.9	1060.389839			5
3.79	3.80	3.83	203863	710.467792			6
Height Summation:			**865863.63**				
Amount Avg CF:			**513.385749**	Linear:			
Aroclor-1221					3	114.62	
2.90	2.92	2.94	6040.727	37.82628			1
2.96	2.97	3.00	8339.551	90.349315			2
+ 3.02	3.02	3.06	1248.145	3.083762			3
3.02	3.05	3.06	174821.4	431.927023			3
Height Summation:			**189201.678**				
Amount Avg CF:			**186.700873**	Linear:			
Aroclor-1232					6	102.71	
+ 3.02	3.02	3.06	1248.145	3.899018			1
3.02	3.05	3.06	174821.4	546.11593			1
3.35	3.36	3.39	66390.16	432.721712			2
3.54	3.55	3.58	74639.96	476.024615			3
+ 3.54	3.58	3.58	57094.38	364.125734			3
3.62	3.63	3.66	43424.31	290.960133			4
3.68	3.69	3.72	302724.8	3173.26077			5
+ 3.68	3.71	3.72	273796.9	2870.029022			5
3.79	3.80	3.83	203863	1748.249221			6
Height Summation:			**865863.63**				
Amount Avg CF:			**1111.222063**	Linear:			
Aroclor-1242					6	82.94	
+ 3.02	3.02	3.06	1248.145	5.331074			1
3.02	3.05	3.06	174821.4	746.696694			1
3.35	3.36	3.39	66390.16	238.041263			2
3.54	3.55	3.58	74639.96	257.720725			3
+ 3.54	3.58	3.58	57094.38	197.138436			3
3.62	3.63	3.66	43424.31	156.52525			4
3.68	3.69	3.72	302724.8	1511.025558			5
+ 3.68	3.71	3.72	273796.9	1366.634361			5
3.79	3.80	3.83	203863	865.251425			6
Height Summation:			**865863.63**				
Amount Avg CF:			**629.210153**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229532** ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	126.96	
3.82	3.85	3.86	118240.1	303.522441			1
3.88	3.90	3.92	71294.28	218.987629			2
3.95	3.97	3.99	533530.3	961.389405			3
+ 4.08	4.08	4.12	6926.843	11.153688			4
4.08	4.10	4.12	297838.3	479.582889			4
4.17	4.19	4.21	230675.7	445.484005			5
4.36	4.36	4.40	1718739	3454.839496			6
+ 4.36	4.38	4.40	252526.4	507.603645			6
Height Summation:			**2970317.68**				
Amount Avg CF:			**977.300978**	Linear:			
Aroclor-1254					6	88.08	
4.69	4.71	4.73	717377.2	1180.998439			1
+ 4.69	4.73	4.73	390306.2	642.550408			1
4.76	4.77	4.80	3298793	2739.3195			2
4.88	4.90	4.92	5752517	15687.838626			3
4.97	4.99	5.01	1824974	2322.889442			4
5.17	5.20	5.21	3873950	6306.40941			5
5.29	5.31	5.33	9453997	12057.733414			6
Height Summation:			**24921608.2**				
Amount Avg CF:			**6715.864805**	Linear:			
Aroclor-1260					6	9.97	
4.88	4.90	4.92	5752517	6374.407666			1
5.29	5.31	5.33	9453997	7972.072269			2
5.36	5.37	5.40	4145083	6906.001227			3
5.52	5.54	5.56	4292939	6912.917133			4
5.76	5.77	5.80	12267600	8303.834389			5
5.96	5.98	6.00	6860666	7554.641036			6
Height Summation:			**42772802**				
Amount Avg CF:			**7337.312287**	Linear:			
Aroclor-1262					6	28.63	
E 5.35	5.37	5.39	4145083	4271.612791			1
E 5.52	5.54	5.56	4292939	5142.380402			2
E 5.75	5.77	5.79	12267600	7045.535605			3
E 5.96	5.98	6.00	6860666	6072.642312			4
6.01	6.03	6.05	1605106	3010.972709			5
E 6.38	6.40	6.42	2554547	4397.272468			6
Height Summation:			**31725941**				
Amount Avg CF:			**4990.069381**	Linear:			
Aroclor-1268					6	121.55	
5.96	5.98	5.99	6860666	3260.660751			1
6.01	6.03	6.05	1605106	890.471657			2
+ 6.15	6.15	6.19	44595.56	26.850872			3
6.15	6.17	6.19	55384.79	33.34704			3
6.21	6.22	6.25	136997.6	308.342122			4
6.38	6.40	6.42	2554547	3898.13273			5
6.58	6.60	6.62	438472.9	86.303086			6
Height Summation:			**11651174.29**				
Amount Avg CF:			**1412.876231**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	102.14	
3.54	3.55	3.58	74639.96	463.337747			1
+ 3.54	3.58	3.58	57094.38	354.421163			1
3.62	3.63	3.66	43424.31	222.236143			2
3.68	3.69	3.72	302724.8	1053.377276			3
+ 3.68	3.71	3.72	273796.9	952.71822			3
3.79	3.80	3.83	203863	511.446409			4
3.88	3.90	3.92	118227.4	490.507986			5
4.02	4.04	4.06	1369761	2728.355374			6
Height Summation:			**2112640.47**				
Amount Avg CF:			**911.543489**	Linear:			
Aroclor-1254					6	91.67	
4.34	4.35	4.38	693700.3	1641.534648			1
4.40	4.42	4.44	889524.5	1212.660193			2
+ 4.40	4.43	4.44	597727.2	814.862302			2
4.50	4.51	4.54	3677666	10365.370231			3
4.57	4.58	4.61	873857.4	1922.887192			4
4.64	4.65	4.68	4821452	16684.008476			5
4.88	4.89	4.92	5136340	9488.493219			6
Height Summation:			**16092540.2**				
Amount Avg CF:			**6885.82566**	Linear:			
Aroclor-1260					6	10.01	
4.64	4.65	4.68	4821452	7040.811717			1
4.75	4.76	4.78	3553597	5969.055641			2
4.88	4.89	4.92	5136340	7569.520022			3
5.11	5.12	5.15	2619442	5883.52555			4
+ 5.11	5.15	5.15	468434.5	1052.150171			4
5.30	5.32	5.34	7395814	7125.561461			5
5.56	5.58	5.60	4650244	6654.398111			6
Height Summation:			**28176889**				
Amount Avg CF:			**6707.145417**	Linear:			
Aroclor-1262					6	32.59	
4.91	4.93	4.95	2009259	3126.572615			1
5.11	5.12	5.15	2619442	3882.995338			2
+ 5.11	5.15	5.15	468434.5	694.395593			2
E 5.30	5.32	5.34	7395814	5875.125197			3
5.52	5.53	5.56	1195153	2471.105387			4
E 5.56	5.58	5.60	4650244	5326.974476			5
5.94	5.95	5.98	1683285	3505.215838			6
Height Summation:			**19553197**				
Amount Avg CF:			**4031.331475**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229532** ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 10:30:13
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**123.14**	
5.52	5.53	5.56	1195153	792.607919			1
5.56	5.58	5.60	4650244	3029.518126			2
5.72	5.73	5.76	92144.1	70.132878			3
+ 5.79	5.80	5.82	28869.97	84.044514			4
5.79	5.82	5.82	42509.01	123.749664			4
5.94	5.95	5.98	1683285	3203.807597			5
6.14	6.15	6.18	342911.1	78.892541			6

Height Summation: **8006246.21**
Amount Avg CF: **1216.451454** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1003.9371	194.8819		** 87.84	4	40	
Aroclor-1221			1003.9371	301.1811		** 110.59	3	40	
Aroclor-1232			1003.9371	242.126		** 83.57	4	40	
Aroclor-1242			1003.9371	242.126		** 86.90	4	40	
Aroclor-1248			1003.9371	194.8819		6.96	4	40	
Aroclor-1254			1003.9371	259.8425		2.50	4	40	
Aroclor-1260			1003.9371	230.315		8.97	4	40	
Aroclor-1262			1003.9371	194.8819	E	21.25	4	40	
Aroclor-1268			1003.9371	194.8819		14.94	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:30:13 AM 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: 07pcbs17292004.0072.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		70842	84729
1.556		41286	30345
1.6		97787	221525
1.658		301563	318648
1.707		94442	163444
1.731		81923	94043
1.764		91029	102465
1.786		24188	16762
1.812		98794	125276
1.831		82441	114529
1.861		43892	28255
1.877		62076	46835
1.892		56763	38105
1.911		51222	37496
1.936		42341	50199
1.96		56025	54587
1.975		38232	27804
2.002		62096	50188
2.02		63853	53987
2.047		44140	34568
2.069		25167	16586
2.087		60947	55863
2.105		65730	63440
2.132		125951	157902
2.158		38389	31364
2.177		60991	56181
2.194		93197	108466
2.227		91114	199564
2.26		73060	80335
2.292		290004	232541
2.31		75792	52333
2.322		76570	58206
2.338		38605	30386
2.363		51872	78164
2.402		78783	92354
2.434		26690	13605
2.468		69390	49505
2.483		79726	106017
2.538		56796	97493
2.573		48885	77057
2.606		38514	36612
2.631		14628	5865
2.647		21156	12826
2.662		20340	15584
2.7		34224	23708
2.726		44083	40719
2.747		336099	219774
2.8		39916	58513
2.834		51312	39692
2.861		37747	33933
2.886		18604	8318
2.902		34061	23302
2.929		10692	10443

RT A	Compound A	Height A	Area A
2.979		43147	45945
3.004		14542	5824
3.028	TCX	653333	428813
3.05		3327	1151
3.08		22780	15709
3.101		33562	42839
3.144		11511	10291
3.181		10174	4978
3.196		18625	9710
3.218		16688	15739
3.241		15195	7058
3.259		8673	3882
3.283		12479	17862
3.31		10537	4065
3.352		268300	229281
3.376		21191	16084
3.405		10270	6683
3.431		8553	4392
3.457		19845	16502
3.48		18812	12907
3.503		38787	23879
3.52		38355	20587
3.538		5892	1867
3.549		5533	1942
3.571		15625	10564
3.592		14041	12027
3.62		85527	58408
3.645		10511	5308
3.671		9340	8114
3.693		24859	15521
3.716		12798	11205
3.749		14110	12903
3.792		17493	9863
3.805		137635	142154
3.849		118240	116602
3.902		71294	84106
3.946		57330	41747
3.972		533530	379418
4		433510	303504
4.023		366388	242694
4.051		14537	8188
4.081		6927	4191
4.101		297838	208692
4.126		159944	111502
4.158		201930	151937
4.194		230676	239884
4.236		68262	59024
4.267		58823	65665
4.303		7259	5114
4.322		70840	50575
4.358		1718739	1241712
4.377		252526	133219
4.403		667051	562997
4.473		574009	507272
4.516		2687929	2596424
4.551		794908	646249
4.592		95844	72250
4.616		112050	82934
4.659		664576	622742
4.712		717377	488098
4.729		390306	298034
4.775		3298793	2751182
4.823		2314390	2541558
4.861		649586	461615
4.901		5752517	5234751
4.06		210020	181330

RT A	Compound A	Height A	Area A
4.992		1824975	1814027
5.024		60001	38748
5.051		1223101	1073320
5.104		6380460	5095054
5.119		434687	298849
5.155		1225560	1090316
5.195		3873950	3886265
5.238		157678	101929
5.275		728137	862839
5.31		9453997	8501421
5.333		396181	199967
5.351		146497	64508
5.374		4145083	3591275
5.417		2643031	2470351
5.456		5711	7671
5.516		774497	623242
5.537		4292939	3464474
5.595		2392701	2058331
5.633		1366314	1254291
5.675		198475	210977
5.717		1616582	1447600
5.746		98887	59333
5.774		12267610	11580810
5.86		9034	14147
5.98		6860666	6369914
6.033		1605106	3094442
6.147		44596	32129
6.167		55385	40804
6.197		3353	1627
6.224		136998	109945
6.25		1078369	952362
6.314		17353	16911
6.351		1837	641
6.376		12681	8517
6.405		2554547	2347974
6.449		129200	112169
6.476		18132	13509
6.604		438473	427252
6.636		3252	1979
6.721		3952	3011
6.75	DCB	396172	403971
6.786		5648	4085
6.822		7165	5856
6.921		4752	6565
6.964		2201	1540
6.982		2009	1389
7.02		5417	5435
7.049		2161	2456
7.123		1731	1032
7.187		1504	967
7.287		4175	4211
7.343		2567	3415
7.415		3785	7182
7.473		3863	4354
7.509		1374	899
7.56		3888	3295
7.616		2018	4657
7.632		1511	590
7.665		1122	277
7.771		2679	2614
7.817		1928	1716
7.83		1041	385
7.881		1040	363
7.908		2179	2246
7.978		7087	10628
8.024		2195	2540

RT A	Compound A	Height A	Area A
8.106		1799	493
8.154		1522	552
8.233		14457	21008
8.374		1294	665
8.413		2002	1658
8.526		1278	1306
8.564		1788	1070
8.591		1708	435

LANCASTER LABORATORIES

Sample Number: 9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:30:13 AM 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, 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: 07pcbs17292004B.0072.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.585		22619	22103
1.598		34062	30793
1.638		12235	11554
1.696		18987	20218
1.716		11237	7857
1.739		3669	2742
1.76		11073	13005
1.788		9777	8386
1.823		11214	13706
1.848		9828	8252
1.882		12605	12274
1.91		38860	54289
1.952		13375	14853
1.971		12659	13447
1.992		25215	25245
2.019		12814	10193
2.041		22917	19567
2.076		148157	126971
2.124		9031	7354
2.167		6980	4500
2.188		7902	6887
2.225		16490	20435
2.286		14725	16024
2.311		7013	4411
2.33		5600	4426
2.354		9616	9055
2.388		2386	1095
2.434		19506	38115
2.491		222897	169714
2.539		3675	2170
2.57		4983	4671
2.589		5495	3147
2.618		8634	9304
2.667		12549	12373
2.704		6290	5561
2.746	TCX	372324	263436
2.807		3123	1496
2.835		6468	6433
2.861		1992	740
2.915		6041	5332
2.946		6500	4302
2.968		8340	7822
3.018		1248	2232
3.046		174821	154259
3.082		5221	3666
3.107		9812	6265
3.143		8692	9774
3.171		4791	3697
3.214		2272	2609
3.242		16257	8605
3.317		6894	8893
3.365		66390	49572
3.403		13941	10658
3.449		12050	7459

3.495	1839	931
3.525	110908	93193
3.545	74640	49982
3.576	57094	35270
3.635	43424	35248
3.668	331889	220009
3.692	302725	182321
3.711	273797	164166
3.802	203863	147340
3.826	94969	55308
3.848	137469	106385
3.88	18090	9021
3.897	118227	85378
3.939	38960	35575
3.985	37447	38148
4.012	62508	37159
4.035	1369761	1003464
4.062	228367	143208
4.083	144677	83239
4.102	290427	193831
4.139	1606110	1311197
4.172	475493	341160
4.193	165692	98029
4.213	54947	32074
4.256	91103	74405
4.292	352657	308894
4.32	54616	43063
4.351	693700	566584
4.398	163791	140409
4.415	889525	518953
4.428	597727	302851
4.456	590207	597980
4.51	3677666	3257117
4.549	145281	144285
4.582	873857	660097
4.608	909097	701247
4.652	4821452	4304211
4.709	147902	116215
4.76	3553597	3641976
4.814	772526	748516
4.855	987518	947127
4.893	5136341	4663010
4.927	2009259	1548463
4.967	1509544	1292634
5.038	17232	17706
5.071	469410	586210
5.123	2619443	2182408
5.146	468435	318598
5.197	1517905	1455059
5.234	722912	583209
5.261	503531	414714
5.294	197120	124330
5.316	7395815	6336638
5.357	119953	93110
5.391	203861	178645
5.509	44154	29024
5.532	1195153	1048335
5.576	4650244	5185246
5.732	92144	86104
5.775	135691	114419
5.801	28870	17238
5.822	42509	27122
5.85	689605	624115
5.89	5724	5038
5.929	6313	4016
5.954	1683285	1491789
5.987	88365	64804

6.155		342911	329341
6.315	DCB	306350	291793
6.349		7323	6872
6.439		2134	2772
6.489		3668	3055
6.522		21838	22210
6.657		1743	1530
6.689		2584	3118
6.756		2571	1811
6.824		2686	2347
6.942		2379	13230
7.02		1623	3173
7.052		3217	4960
7.105		2580	3299
7.185		1767	4562
7.26		3978	4676
7.501		1419	1053
7.723		1157	3825
7.761		1649	1899
7.878		6127	9559
8.048		1890	3395
8.508		5889	13597
8.627		3207	6110

9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082

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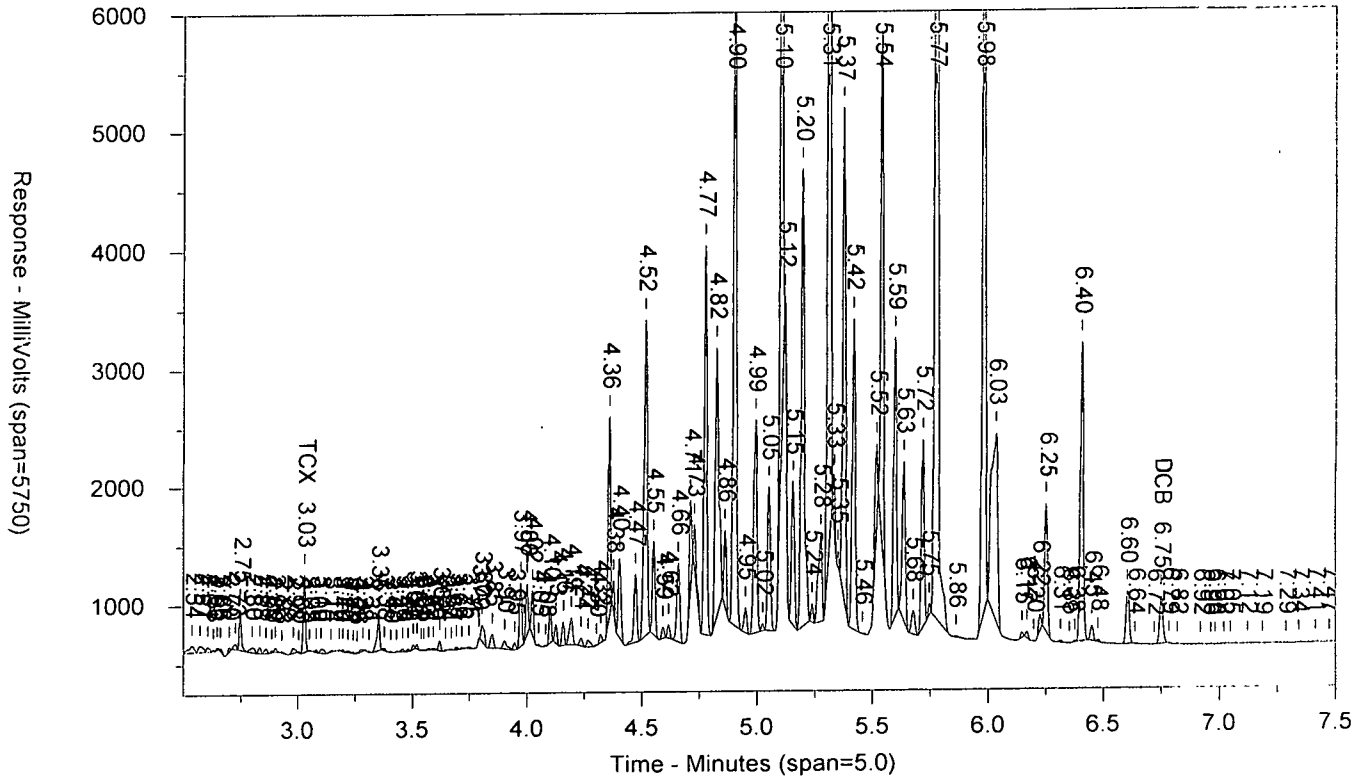

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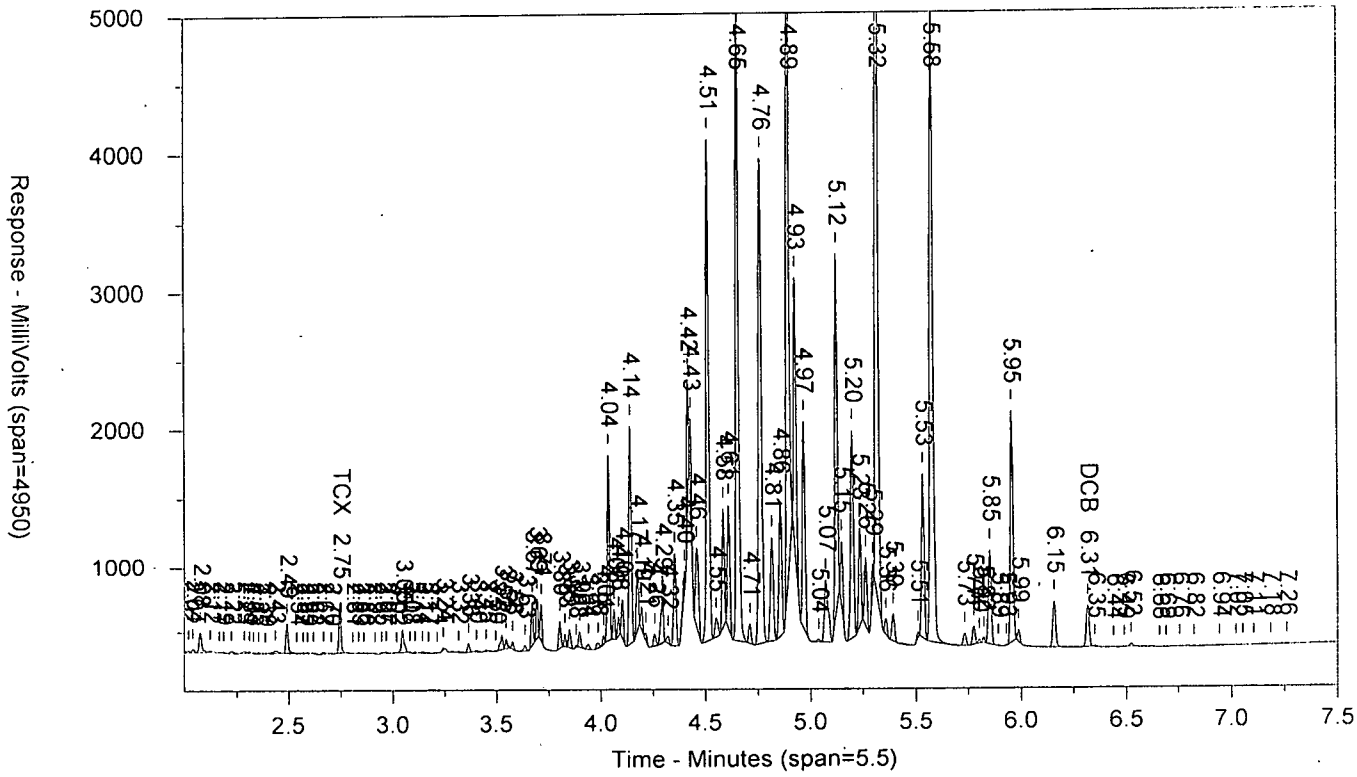

LANCASTER LABORATORIES

Sample Number: 9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:30:13 AM
Sample Weight: 10.16
Dilution Factor: 200
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	653333	20.255	TCX	2.746	372324	24.145	TCX
6.75	396172	30.556	DCB	6.315	306350	26.136	DCB

Files:
Area File: 07pcbs17292004.0072.RAW
Area File: 07pcbs17292004B.0072.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 10:38:53 AM
File Reported On: 10/25/2017 at 10:39:24 AM

9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082

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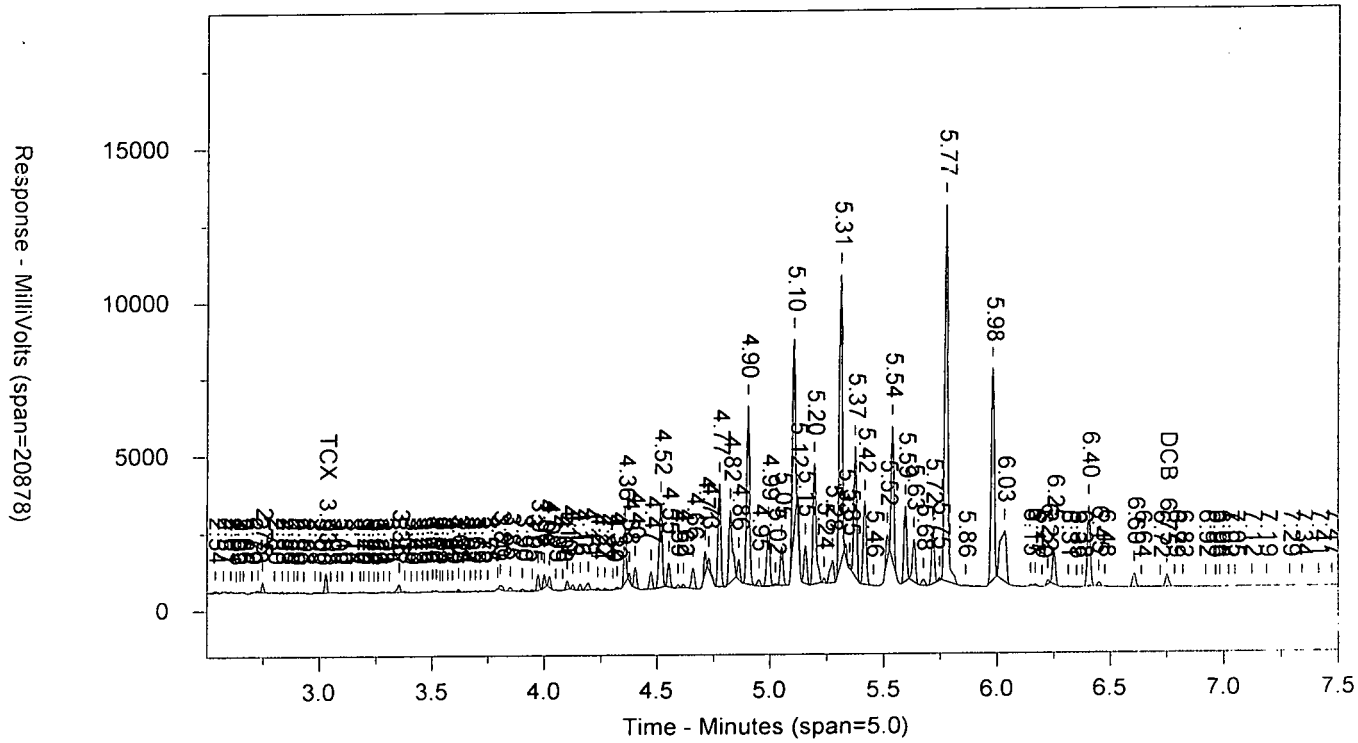

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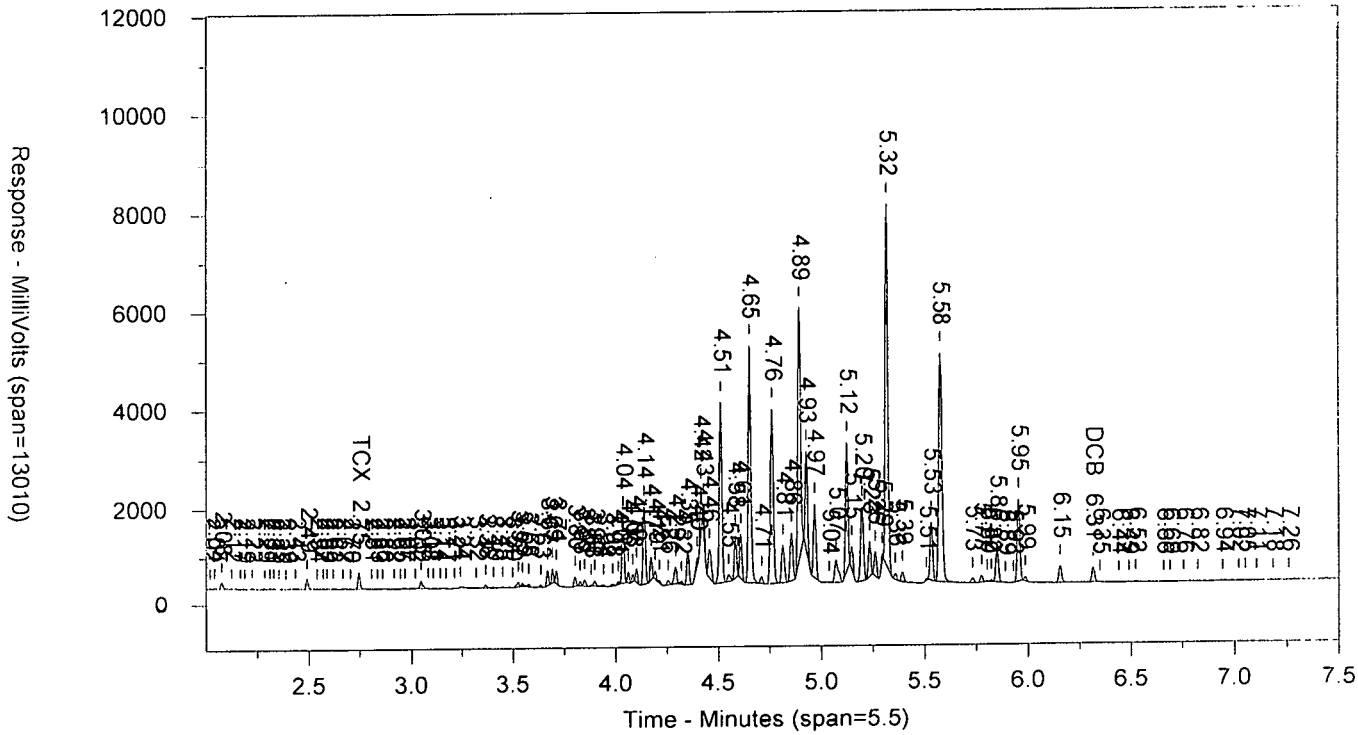

9229532 ACF DF20 AC03A05 T 172850029A 10225 SW-846 8082

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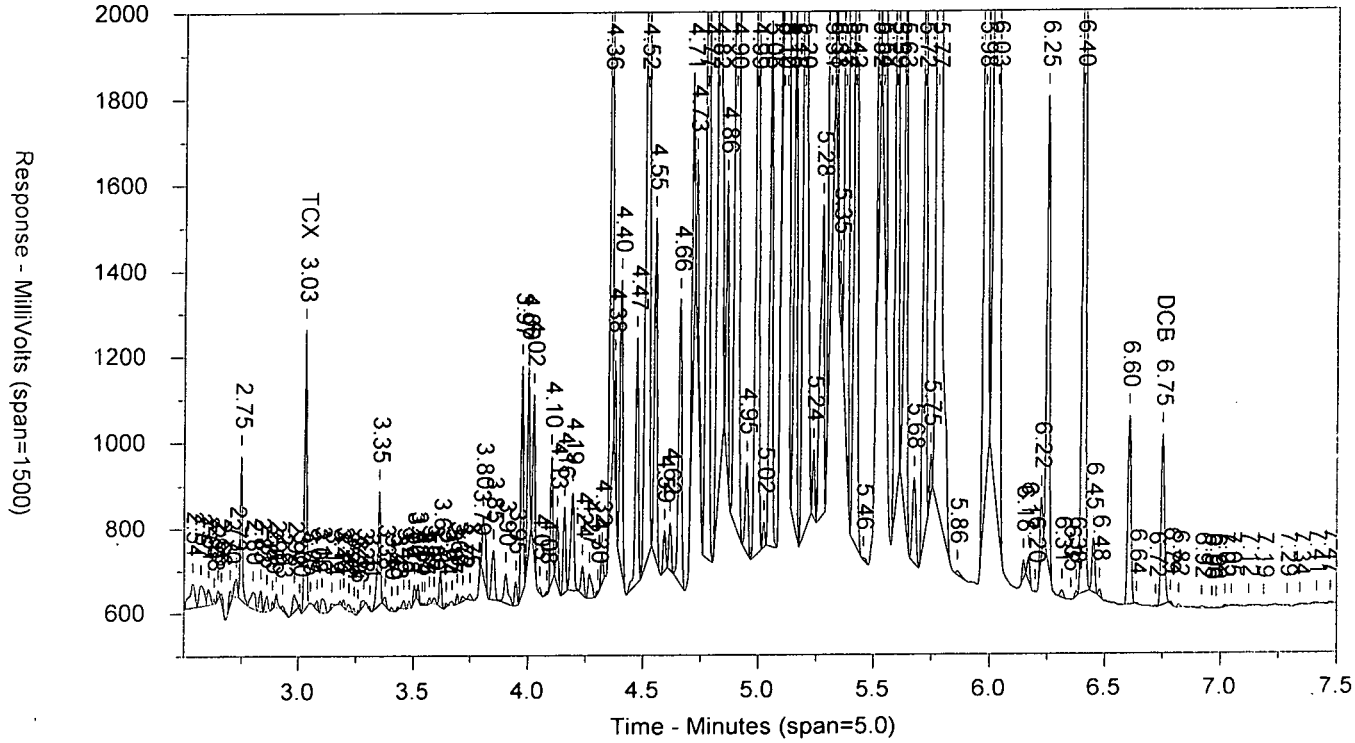

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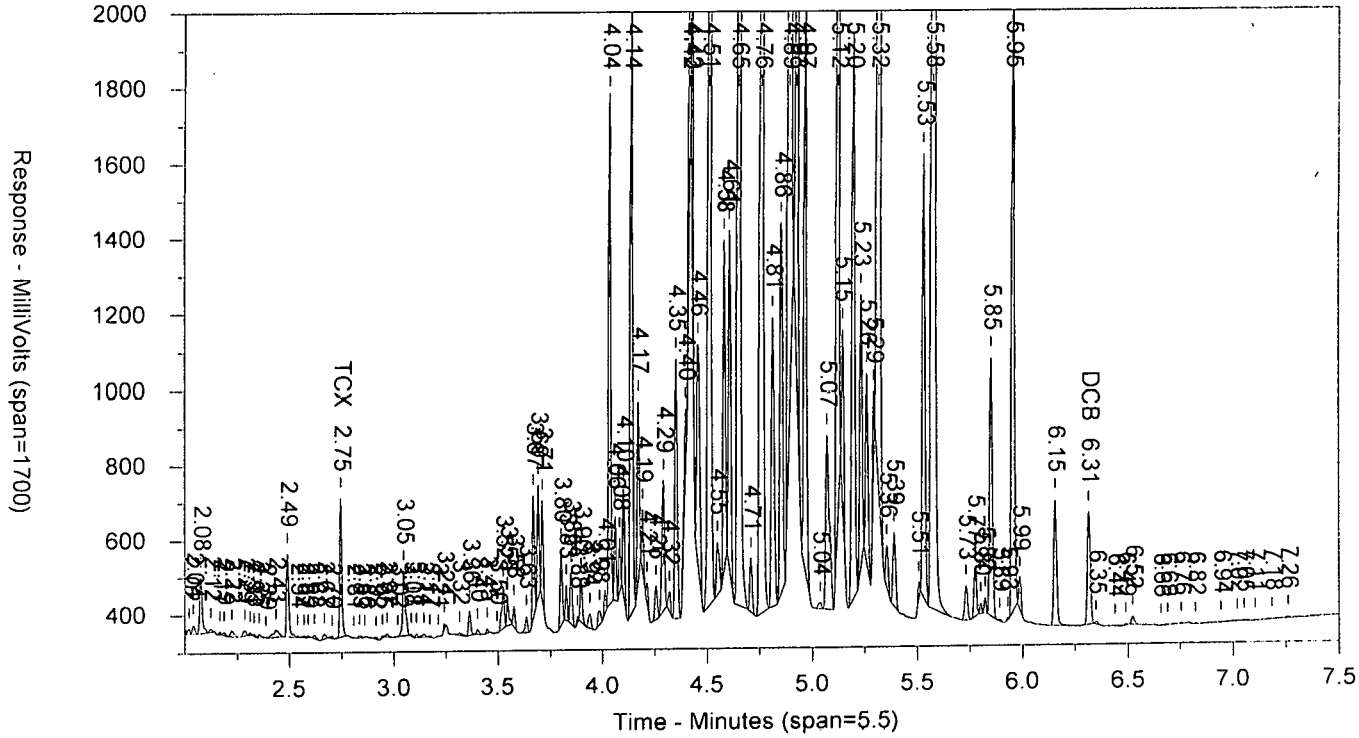

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Data Summary

Sample Name: 9229535 ACF DF10 03A06 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.04 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 11:04:37
Instrument	19843A
Result file	07PCBS17292004.0075.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 68% (61 - 152) Conc: 20.55825
%SSR(DCB) 100% (48 - 164) Conc: 27.10106

Analysis Report (B)

Injected on	Oct 25, 2017 11:04:37
Instrument	19843B
Result file	07PCBS17292004B.0075.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 79% (61 - 152) Conc: 23.90531
%SSR(DCB) 87% (48 - 164) Conc: 23.50976

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1310580	20.55825	Tetrachloro-m-xylene	2.72	2.75	2.78	728545	23.90531
Decachlorobiphenyl	6.72	6.75	6.78	694456	27.10106	Decachlorobiphenyl	6.29	6.32	6.35	544629	23.50976

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	23.90531				15.06	
☑	Tetrachloro-m-xylene-D1	A	20.55825					
☑	Tetrachloro-m-xylene-D2	B	23.90531					
☐	Decachlorobiphenyl	A	27.10106				14.19	
☑	Decachlorobiphenyl-D1	A	27.10106					
☑	Decachlorobiphenyl-D2	B	23.50976					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.94**	
4.88	4.90	4.92	4577812	2566.669067			1
5.29	5.31	5.33	7769156	3314.817388			2
5.36	5.38	5.40	3015156	2541.75219			3
5.52	5.54	5.56	3080123	2509.60108			4
5.76	5.77	5.80	9066890	3105.327566			5
5.96	5.98	6.00	5124220	2854.99481			6

Height summation: **32633357**
Concentration CF: **2815.527017** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.21**	
4.64	4.65	4.68	4009850	2962.804595			1
4.75	4.76	4.78	2916216	2478.489826			2
4.88	4.89	4.92	4509763	3362.778767			3
5.11	5.12	5.15	1971927	2241.040422			4
5.30	5.32	5.34	5638761	2748.823132			5
5.56	5.58	5.60	3683668	2667.125917			6

Height summation: **22730185**
Concentration CF: **2743.510443** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<507.9681	<98.6056	D1		4	
☑	PCB-1221			<507.9681	<152.3904	D1		3	
☑	PCB-1232			<507.9681	<122.51	D1		4	
☑	PCB-1242			<507.9681	<122.51	D1		4	
☑	PCB-1248			<507.9681	<98.6056	D1		4	
☑	PCB-1254			<507.9681	<131.4741	D1		4	
☑	PCB-1260	A	2815.527017	507.9681	116.5339	D1	2.59	4	

Units: ug/kg

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

Valerie L Tomayko
Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:18

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229535** ACF DF10 03A06 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.04 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 68% (61-152) Conc.: 20.55825 160.5
%SSR(DCB) : 100% (48-164) Conc.: 27.10106

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	140.10	
3.27	3.28	3.31	14352.02	14.27348			1
3.48	3.50	3.52	40177.6	38.449989			2
+ 3.48	3.52	3.52	33433.91	31.996273			2
3.60	3.62	3.64	83754	69.509723			3
3.82	3.85	3.86	111219.4	79.253568			4
3.88	3.90	3.92	47997.97	40.901879			5
4.08	4.10	4.12	372198.8	427.138184			6
Height Summation:			669699.79				
Amount Avg CF:			111.587804	Linear:			
Aroclor-1221					3	49.49	
3.16	3.18	3.20	12202.27	23.701472			1
+ 3.16	3.20	3.20	10373.39	20.149088			1
3.22	3.23	3.26	12488.95	28.137722			2
3.27	3.28	3.31	14352.02	8.974269			3
Height Summation:			39043.24				
Amount Avg CF:			20.271154	Linear:			
Aroclor-1232					6	151.67	
3.26	3.28	3.30	14352.02	11.716958			1
+ 3.48	3.48	3.52	11599.87	23.921698			2
3.48	3.50	3.52	40177.6	82.855791			2
+ 3.48	3.52	3.52	33433.91	68.948695			2
3.60	3.62	3.64	83754	148.341834			3
3.82	3.85	3.86	111219.4	161.015206			4
3.88	3.90	3.92	47997.97	92.226041			5
+ 4.08	4.08	4.12	6404.568	17.960182			6
4.08	4.10	4.12	372198.8	1043.748464			6
Height Summation:			669699.79				
Amount Avg CF:			256.650716	Linear:			
Aroclor-1242					6	143.29	
3.27	3.28	3.31	14352.02	16.6604			1
3.48	3.50	3.52	40177.6	46.337688			2
+ 3.48	3.52	3.52	33433.91	38.560045			2
3.60	3.62	3.64	83754	83.440183			3
3.82	3.85	3.86	111219.4	91.955293			4
3.88	3.90	3.92	47997.97	52.944651			5
4.08	4.10	4.12	372198.8	540.056399			6
Height Summation:			669699.79				
Amount Avg CF:			138.565769	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 79% (61-152) Conc.: 23.90531
%SSR(DCB) : 87% (48-164) Conc.: 23.50976

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	88.96	
3.02	3.05	3.06	164045.2	304.986853			1
3.35	3.37	3.39	66619.8	102.18811			2
3.54	3.55	3.58	87142.37	134.023818			3
+ 3.54	3.58	3.58	57684.51	88.718017			3
3.62	3.64	3.66	37845.37	55.964189			4
3.68	3.69	3.72	386434.8	757.256936			5
+ 3.68	3.71	3.72	308135.4	603.821573			5
3.79	3.80	3.83	255078.8	449.790573			6
Height Summation:			997166.34				
Amount Avg CF:			300.701747	Linear:			
Aroclor-1221					2	75.01	
2.96	2.97	3.00	11479.8	62.928375			2
3.02	3.05	3.06	164045.2	205.073389			3
Height Summation:			175525				
Amount Avg CF:			134.000882	Linear:			
Aroclor-1232					6	113.16	
3.02	3.05	3.06	164045.2	259.288812			1
3.35	3.37	3.39	66619.8	219.704168			2
3.54	3.55	3.58	87142.37	281.201335			3
+ 3.54	3.58	3.58	57684.51	186.143219			3
3.62	3.64	3.66	37845.37	128.304922			4
E 3.68	3.69	3.72	386434.8	2049.575829			5
+ 3.68	3.71	3.72	308135.4	1634.290876			5
3.79	3.80	3.83	255078.8	1106.800374			6
Height Summation:			997166.34				
Amount Avg CF:			674.145907	Linear:			
Aroclor-1242					6	93.54	
3.02	3.05	3.06	164045.2	354.521976			1
3.35	3.37	3.39	66619.8	120.859795			2
3.54	3.55	3.58	87142.37	152.242993			3
+ 3.54	3.58	3.58	57684.51	100.778329			3
3.62	3.64	3.66	37845.37	69.023064			4
3.68	3.69	3.72	386434.8	975.95555			5
+ 3.68	3.71	3.72	308135.4	778.207485			5
3.79	3.80	3.83	255078.8	547.782656			6
Height Summation:			997166.34				
Amount Avg CF:			370.064339	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229535** ACF DF10 03A06 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.04 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	121.84	
3.82	3.85	3.86	111219.4	144.456326			1
3.88	3.90	3.92	47997.97	74.596382			2
3.95	3.97	3.99	638278.9	581.943377			3
4.08	4.10	4.12	372198.8	303.241128			4
4.17	4.19	4.21	253029.5	247.247225			5
4.36	4.36	4.40	1725402	1754.842892			6
+ 4.36	4.38	4.40	327034.5	332.614757			6
Height Summation:			**3148126.57**				
Amount Avg CF:			**517.721222**	Linear:			
Aroclor-1254					6	77.79	
4.69	4.71	4.73	996815.9	830.322316			1
+ 4.69	4.73	4.73	170635.8	142.135286			1
4.76	4.78	4.80	3251043	1365.967411			2
4.88	4.90	4.92	4577812	6316.742236			3
4.97	4.99	5.01	1989399	1281.220129			4
5.17	5.20	5.21	3164082	2606.188836			5
5.29	5.31	5.33	7769156	5013.650533			6
Height Summation:			**21748307.9**				
Amount Avg CF:			**2902.348577**	Linear:			
Aroclor-1260					6	11.94	
4.88	4.90	4.92	4577812	2566.669067			1
5.29	5.31	5.33	7769156	3314.817388			2
5.36	5.38	5.40	3015156	2541.75219			3
5.52	5.54	5.56	3080123	2509.60108			4
5.76	5.77	5.80	9066890	3105.327566			5
5.96	5.98	6.00	5124220	2854.99481			6
Height Summation:			**32633357**				
Amount Avg CF:			**2815.527017**	Linear:			
Aroclor-1262					6	37.26	
5.35	5.38	5.39	3015156	1572.166122			1
5.52	5.54	5.56	3080123	1866.841908			2
E 5.75	5.77	5.79	9066890	2634.770265			3
E 5.96	5.98	6.00	5124220	2294.928667			4
6.01	6.03	6.05	744680.5	706.810646			5
6.38	6.40	6.42	1888589	1644.89028			6
Height Summation:			**22919658.5**				
Amount Avg CF:			**1786.734648**	Linear:			
Aroclor-1268					6	127.04	
5.96	5.98	5.99	5124220	1232.245116			1
6.01	6.03	6.05	744680.5	209.033727			2
6.15	6.15	6.19	43898.04	13.373402			3
+ 6.15	6.17	6.19	39357.47	11.990132			3
6.21	6.22	6.25	116551.1	132.729138			4
6.38	6.40	6.42	1888589	1458.176787			5
6.58	6.61	6.62	345769	34.434963			6
Height Summation:			**8263707.64**				
Amount Avg CF:			**513.332189**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	94.78	
3.54	3.55	3.58	87142.37	273.70684			1
+ 3.54	3.58	3.58	57684.51	181.182185			1
3.62	3.64	3.66	37845.37	97.999649			2
3.68	3.69	3.72	386434.8	680.365327			3
+ 3.68	3.71	3.72	308135.4	542.509739			3
3.79	3.80	3.83	255078.8	323.79198			4
3.88	3.90	3.92	142072.6	298.241635			5
4.02	4.04	4.06	1439345	1450.611258			6
Height Summation:			**2347918.94**				
Amount Avg CF:			**520.786115**	Linear:			
Aroclor-1254					6	78.55	
4.34	4.35	4.38	738326.5	884.00888			1
4.40	4.42	4.44	1759877	1213.929658			2
4.50	4.51	4.54	3127493	4460.041296			3
4.57	4.58	4.61	1028532	1145.146489			4
4.64	4.65	4.68	4009850	7020.704284			5
4.88	4.89	4.92	4509763	4215.287552			6
Height Summation:			**15173841.5**				
Amount Avg CF:			**3156.519693**	Linear:			
Aroclor-1260					6	14.21	
4.64	4.65	4.68	4009850	2962.804595			1
4.75	4.76	4.78	2916216	2478.489826			2
4.88	4.89	4.92	4509763	3362.778767			3
5.11	5.12	5.15	1971927	2241.040422			4
+ 5.11	5.15	5.15	457840.4	520.322934			4
5.30	5.32	5.34	5638761	2748.823132			5
5.56	5.58	5.60	3683668	2667.125917			6
Height Summation:			**22730185**				
Amount Avg CF:			**2743.510443**	Linear:			
Aroclor-1262					6	33.89	
4.91	4.93	4.95	1510444	1189.233748			1
5.11	5.12	5.15	1971927	1479.036581			2
E 5.30	5.32	5.34	5638761	2266.443161			3
5.52	5.53	5.56	892357.5	933.54797			4
E 5.56	5.58	5.60	3683668	2135.085915			5
5.94	5.96	5.98	1301735	1371.543838			6
Height Summation:			**14998892.5**				
Amount Avg CF:			**1562.481869**	Linear:			
Aroclor-1268					6	121.72	
5.52	5.53	5.56	892357.5	299.435839			1
5.56	5.58	5.60	3683668	1214.250512			2
5.72	5.73	5.76	83039.31	31.97922			3
+ 5.79	5.80	5.82	19644.19	28.935245			4
5.79	5.82	5.82	50387.84	74.219629			4
5.94	5.96	5.98	1301735	1253.606845			5
6.14	6.16	6.18	271210.3	31.571163			6
Height Summation:			**6282397.95**				
Amount Avg CF:			**484.177201**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229535** ACF DF10 03A06 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.04 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 11:04:37
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			507.9681	98.6056		** 91.74	4	40	
Aroclor-1221			507.9681	152.3904		** 147.44	3	40	
Aroclor-1232			507.9681	122.51		** 89.71	4	40	
Aroclor-1242			507.9681	122.51		** 91.03	4	40	
Aroclor-1248			507.9681	98.6056		0.59	4	40	
Aroclor-1254			507.9681	131.4741		8.39	4	40	
Aroclor-1260			507.9681	116.5339		2.59	4	40	
Aroclor-1262			507.9681	98.6056	E	13.39	4	40	
Aroclor-1268			507.9681	98.6056		5.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:04:37 AM 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: 07pcbs17292004.0075.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		103874	92832
1.555		76319	56635
1.601		20519	29547
1.659		467647	479666
1.677		193144	178141
1.704		101134	130166
1.731		91992	109870
1.765		106388	112202
1.787		21405	13290
1.815		102491	121514
1.832		80404	110839
1.862		35139	22138
1.878		72781	49273
1.893		55577	34989
1.911		34671	19389
1.936		26290	26049
1.961		52740	44893
2.002		57106	55147
2.021		62108	52628
2.044		20240	18103
2.069		24727	16019
2.088		68933	63340
2.133		114925	135244
2.178		41533	33462
2.195		64562	60500
2.226		59171	82512
2.261		28112	17641
2.292		319090	205214
2.311		14523	5659
2.337		10687	4364
2.361		34780	44668
2.402		70372	79355
2.435		29347	14596
2.468		57145	45391
2.484		69017	83447
2.514		26242	25601
2.538		47105	56144
2.576		40088	56094
2.607		32528	26921
2.632		11928	5055
2.648		14738	7502
2.7		22325	14556
2.728		34898	34253
2.748		303018	199197
2.8		22822	32265
2.835		27097	21425
2.862		20665	17553
2.887		8482	3980
2.901		22504	13449
2.931		9206	8245
2.98		16987	10911
3.029	TCX	1310580	850703
3.08		13775	9323

RT A	Compound A	Height A	Area A
3.101		21262	27165
3.145		9216	8276
3.181		12202	8125
3.197		10373	4903
3.228		12489	13309
3.284		14352	19888
3.312		9669	4827
3.352		267109	224783
3.378		12546	10458
3.406		7014	4426
3.431		5206	3033
3.457		12883	10570
3.482		11600	7628
3.503		40178	23065
3.52		33434	18458
3.574		8663	6434
3.595		8805	7120
3.62		83754	55504
3.647		5508	2872
3.664		6366	3603
3.693		16627	9788
3.717		5301	4060
3.731		4179	2502
3.793		16716	10077
3.805		153986	168441
3.85		111219	104974
3.882		1232	400
3.903		47998	36389
3.927		7928	3903
3.946		50204	32166
3.973		638279	458876
4		595800	404014
4.024		460700	315208
4.08		6405	3471
4.102		372199	264665
4.127		208370	146845
4.158		260646	188525
4.194		253030	237878
4.237		66091	54328
4.267		43481	46347
4.301		2326	863
4.322		71981	55889
4.359		1725402	1221300
4.378		327035	180436
4.403		806909	665134
4.473		583765	499378
4.516		2527588	2544329
4.552		871096	711893
4.593		110726	80961
4.617		128891	98199
4.66		676193	613608
4.712		996816	727316
4.728		170636	76817
4.743		80775	46958
4.775		3251043	2903298
4.824		1424184	1053757
4.838		108693	56965
4.862		570944	408518
4.902		4577812	4127344
4.951		215767	197743
4.994		1989399	1871458
5.025		55761	34750
5.051		940624	828243
5.104		5253881	4259743
5.12		452568	234447
5.155		902911	784516

RT A	Compound A	Height A	Area A
5.196		3164082	3172196
5.239		151216	105090
5.277		616018	721585
5.311		7769156	6894257
5.334		373053	187927
5.352		135780	56544
5.375		3015157	2533780
5.418		1983184	1827063
5.455		5131	6586
5.517		707471	566782
5.539		3080123	2495234
5.596		1751856	1526662
5.635		1034680	985095
5.676		154637	167349
5.719		1320454	1180164
5.748		112606	74354
5.774		9066890	8534934
5.862		4026	3249
5.98		5124220	4859394
6.012		181389	127495
6.035		744681	789799
6.148		43898	34704
6.169		39357	27935
6.197		4674	2765
6.224		116551	88543
6.251		828783	731960
6.315		19431	21627
6.377		12723	9142
6.405		1888589	1773815
6.451		95790	83612
6.477		12002	8720
6.527		1220	382
6.606		345769	319515
6.639		9630	9687
6.721		2018	1040
6.752	DCB	694456	754641
6.822		5702	5094
6.913		1375	278
6.99		1884	474
7.019		15227	15488
7.121		1228	1245
7.207		2169	1057
7.235		4298	5754
7.3		6322	10857
7.354		1358	830
7.413		2237	3292
7.477		2641	3260
7.516		1993	2256
7.625		3410	7665
7.652		1637	984
7.686		3689	4599
7.721		1722	941
7.771		2021	1422
7.83		2048	2371
7.91		1805	1855
7.979		9654	14273
8.029		1263	1267
8.103		2593	1815
8.146		1547	1096
8.234		20438	34764
8.282		1290	783
8.309		731	973
8.392		1604	1203
8.406		1812	788
8.512		1361	626
8.546		1355	2146

RT A	Compound A	Height A	Area A
8.576		1841	793
8.633		1982	2260

LANCASTER LABORATORIES

Sample Number: 9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:04:37 AM 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, 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: 07pcbs17292004B.0075.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.584		30491	30144
1.599		48442	44069
1.638		16782	15685
1.697		27437	27012
1.717		13725	8275
1.763		8074	8397
1.824		9070	10640
1.849		8424	7771
1.879		14756	15409
1.911		44752	58643
1.952		14607	15395
1.974		16786	16576
1.992		34106	35045
2.019		11522	9655
2.041		18775	17012
2.077		189069	161702
2.126		7698	6062
2.166		4434	2394
2.187		6922	6085
2.226		15082	17365
2.285		13212	13649
2.309		6879	4509
2.356		7680	6643
2.437		17780	33257
2.492		197127	137900
2.564		6920	10500
2.591		2228	1387
2.619		6884	7899
2.668		10187	10866
2.704		5455	4631
2.747	TCX	728545	502016
2.836		3136	3170
2.948		6099	3988
2.968		11480	8163
3.047		164045	144143
3.082		4707	2619
3.107		8731	5558
3.146		7014	6861
3.17		4221	3633
3.243		34952	46713
3.291		4075	2735
3.319		5391	4969
3.365		66620	50154
3.404		10489	9565
3.449		13935	8532
3.488		2793	1799
3.526		121311	101081
3.546		87142	58822
3.577		57685	34862
3.614		8224	4401
3.636		37845	26153
3.669		422701	275957
3.693		386435	230449
3.712		308136	186682

3.802		255079	181767
3.827		132726	78032
3.849		169080	127465
3.881		13912	6838
3.898		142073	99825
3.941		44701	41832
3.983		38843	36633
4.013		80761	48668
4.036		1439345	1058184
4.063		305889	190238
4.084		177323	101694
4.103		315848	211452
4.14		1610093	1290424
4.173		562985	387436
4.194		216577	124478
4.214		55490	31190
4.256		106666	98309
4.292		391404	322781
4.322		194299	145918
4.352		738327	613683
4.397		153939	157675
4.416		1759877	2066549
4.457		482252	490266
4.511		3127493	2740633
4.549		152377	146827
4.583		1028532	766620
4.608		760167	569738
4.653		4009850	3547720
4.71		371742	295716
4.761		2916216	3004193
4.814		760973	746914
4.856		853334	793402
4.893		4509763	4062516
4.927		1510444	1143100
4.967		1155456	997009
5.039		15879	17664
5.071		362558	473393
5.123		1971927	1662694
5.148		457840	321586
5.198		1203251	1144108
5.234		582912	475604
5.262		397783	334335
5.295		220201	136805
5.317		5638761	4830288
5.358		98997	72992
5.392		157556	140033
5.509		35000	21369
5.533		892358	808356
5.576		3683668	4086237
5.732		83039	77571
5.776		112568	96367
5.802		19644	11530
5.823		50388	33233
5.851		524591	484409
5.89		7371	6380
5.929		7959	4973
5.955		1301735	1165914
5.988		67438	49025
6.037		3798	2725
6.156		271210	260123
6.251		1652	1814
6.317	DCB	544629	516712
6.351		6733	4882
6.522		75251	92620
6.76		13855	23658
6.836		3021	4053
7.021		1952	2158

7.055	2703	3429
7.184	2087	3873
7.262	4680	5088
7.77	1999	2232
7.879	10915	17290
7.993	2261	2419
8.191	901	1096
8.408	1565	3150
8.507	9077	21852
8.62	3927	7503

9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082

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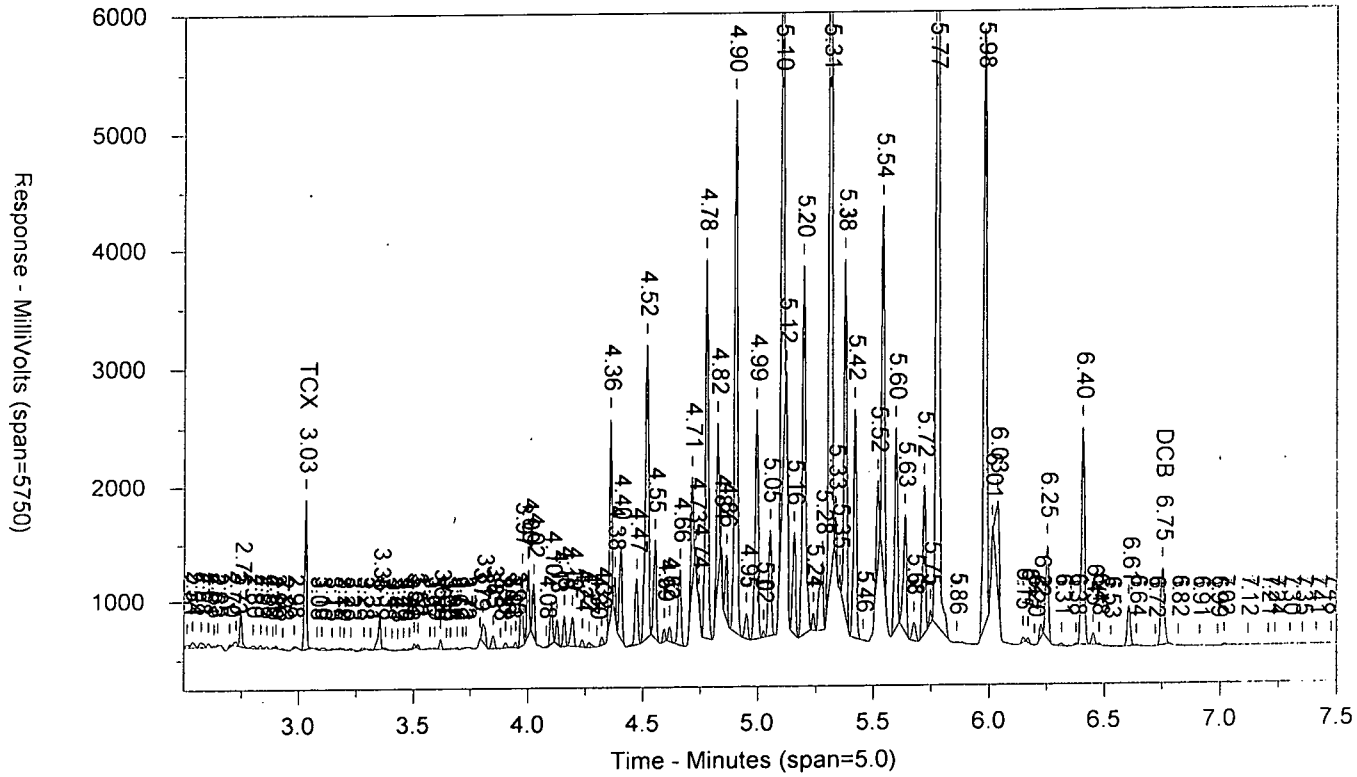

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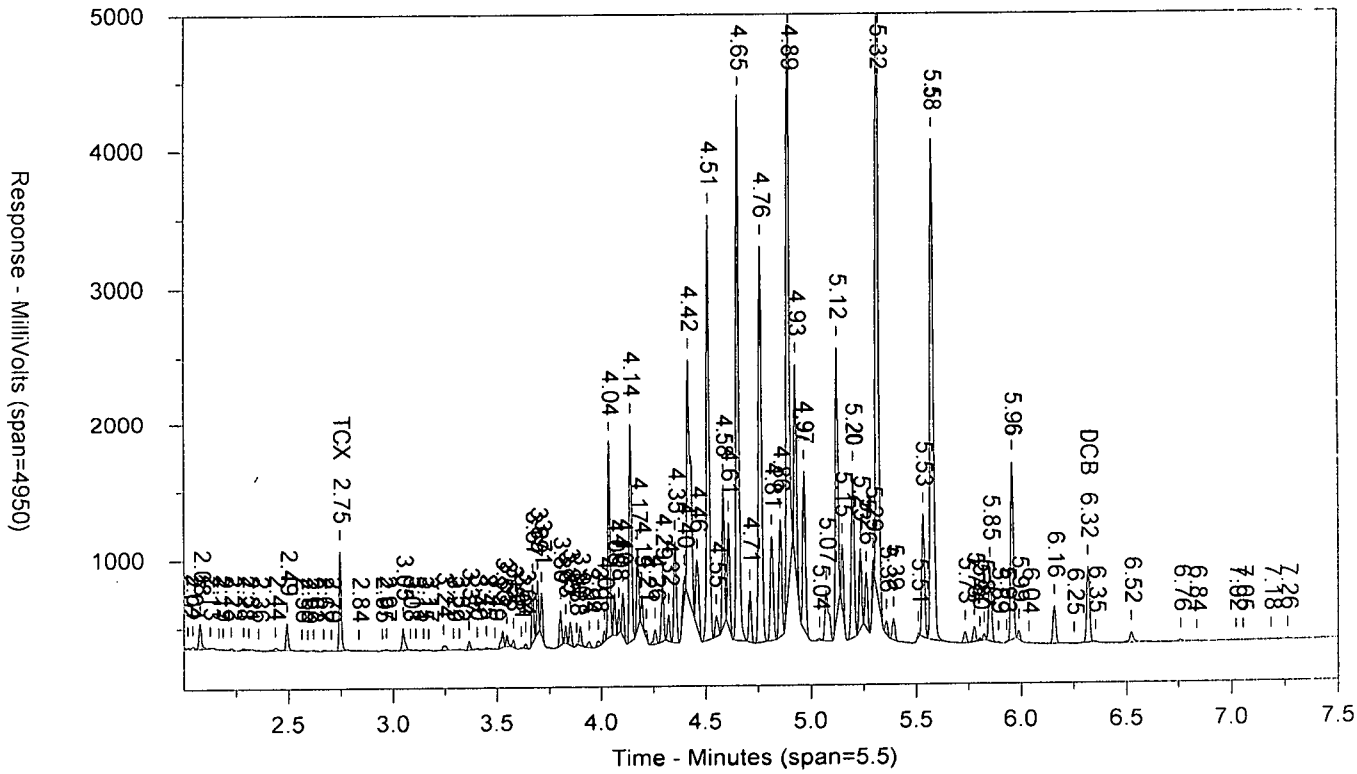

LANCASTER LABORATORIES

Sample Number: 9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:04:37 AM
Sample Weight: 10.04
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	1310580	20.558	TCX	2.747	728545	23.905	TCX
6.752	694456	27.101	DCB	6.317	544629	23.51	DCB

Files:
Area File: 07pcbs17292004.0075.RAW
Area File: 07pcbs17292004B.0075.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:13:16 AM
File Reported On: 10/25/2017 at 11:13:38 AM

9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082

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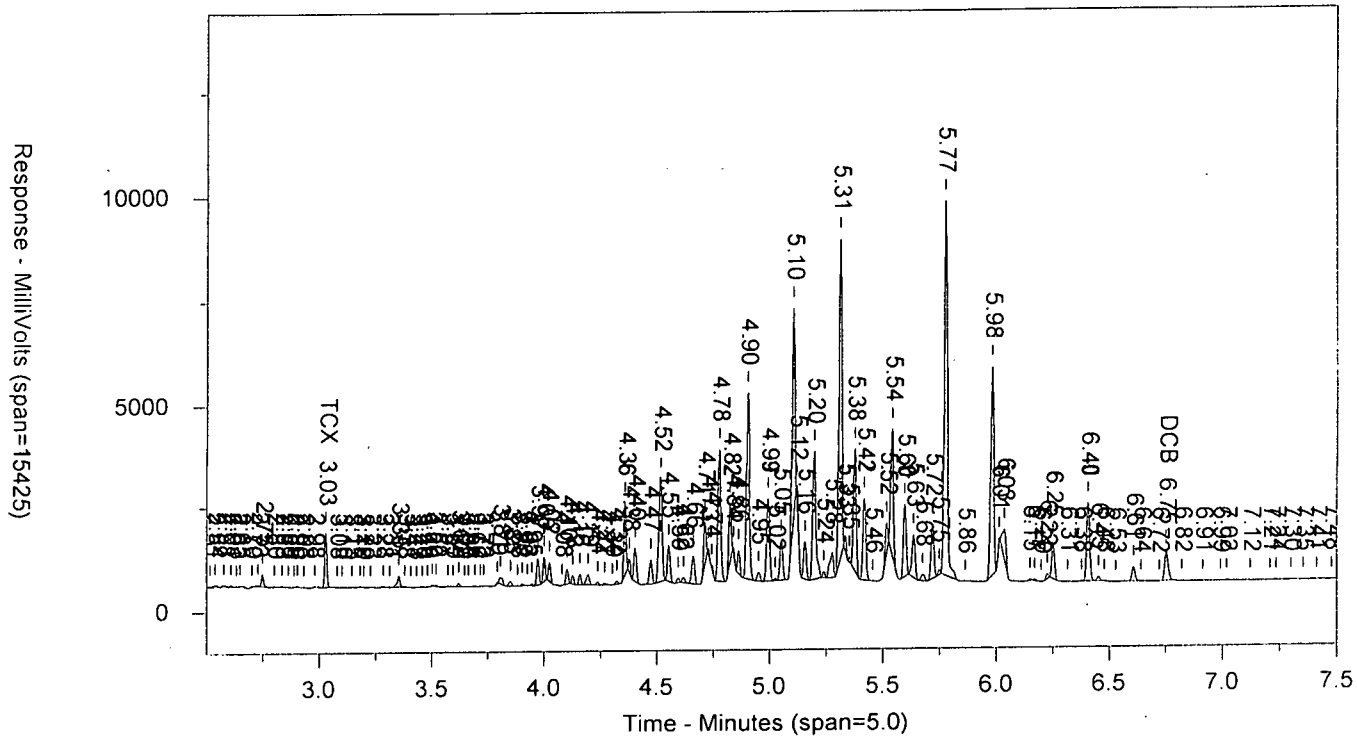

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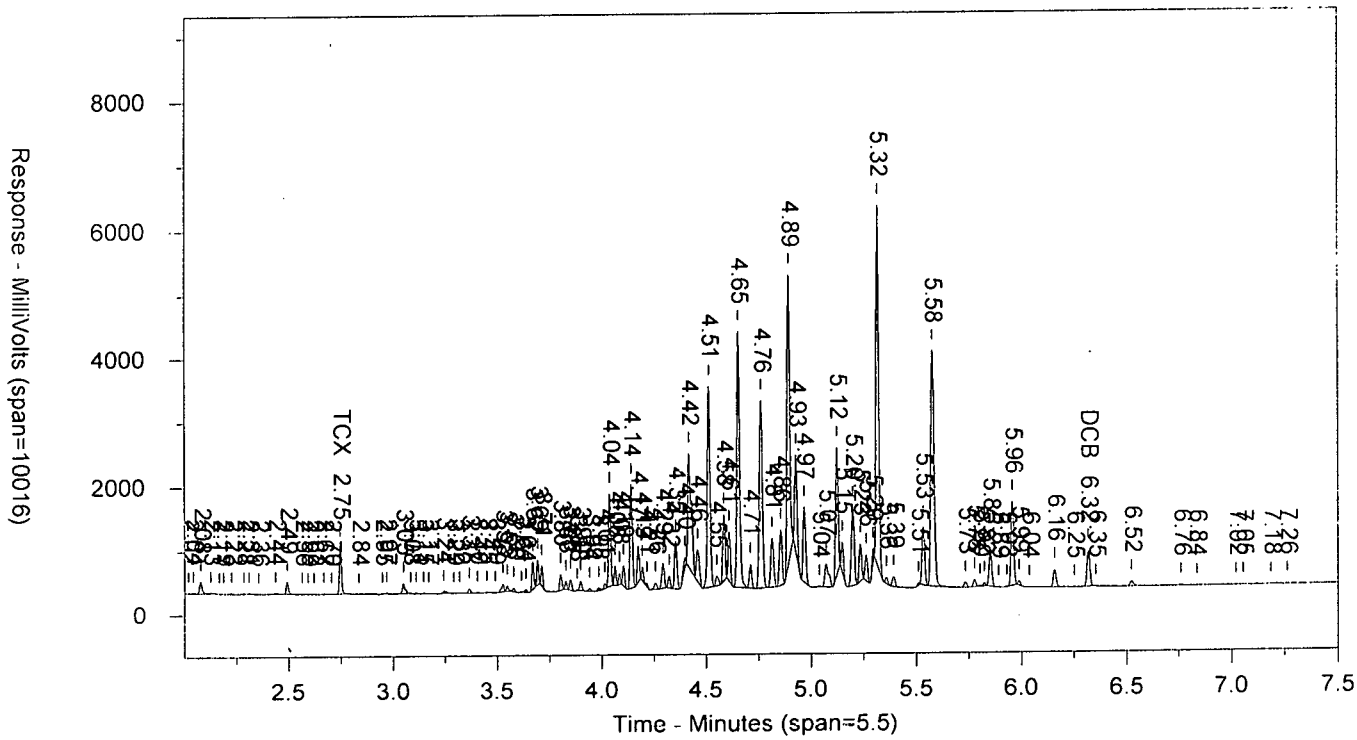

9229535 ACF DF10 AC03A06 T 172850029A 10225 SW-846 8082

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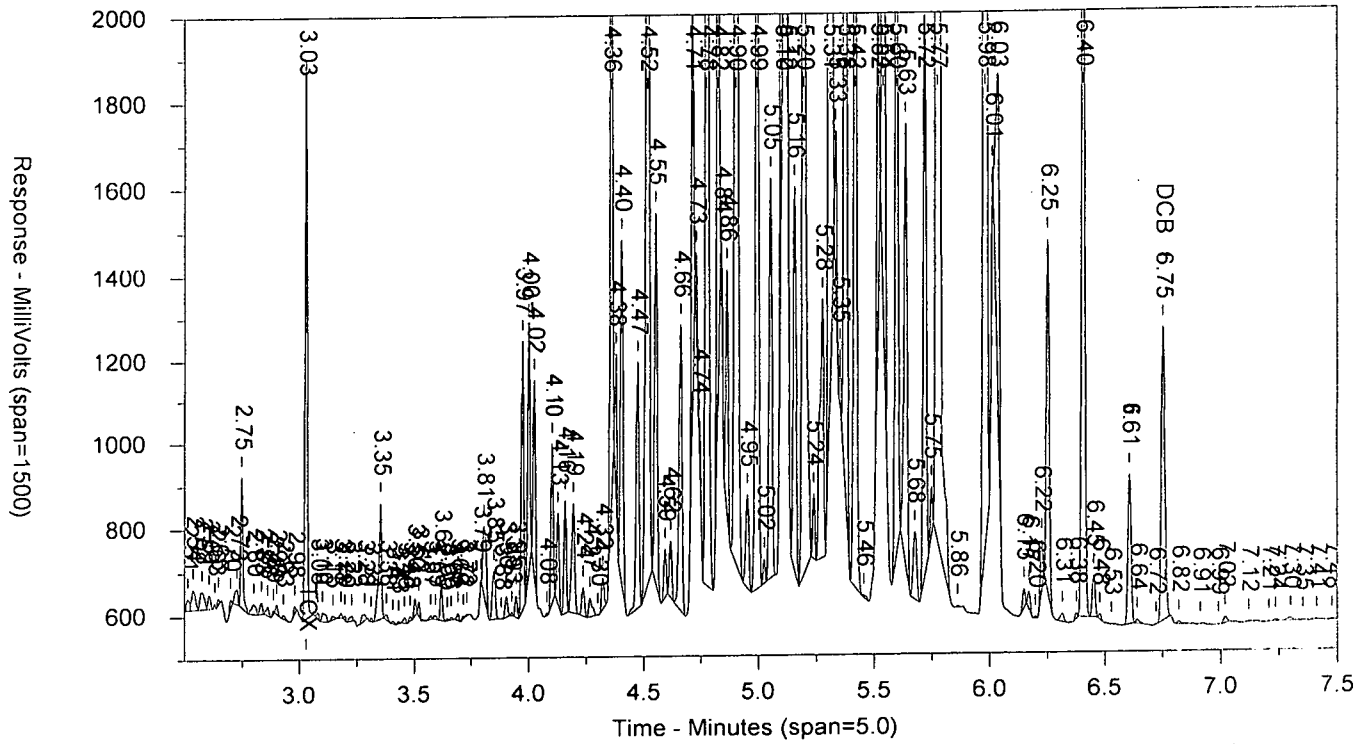

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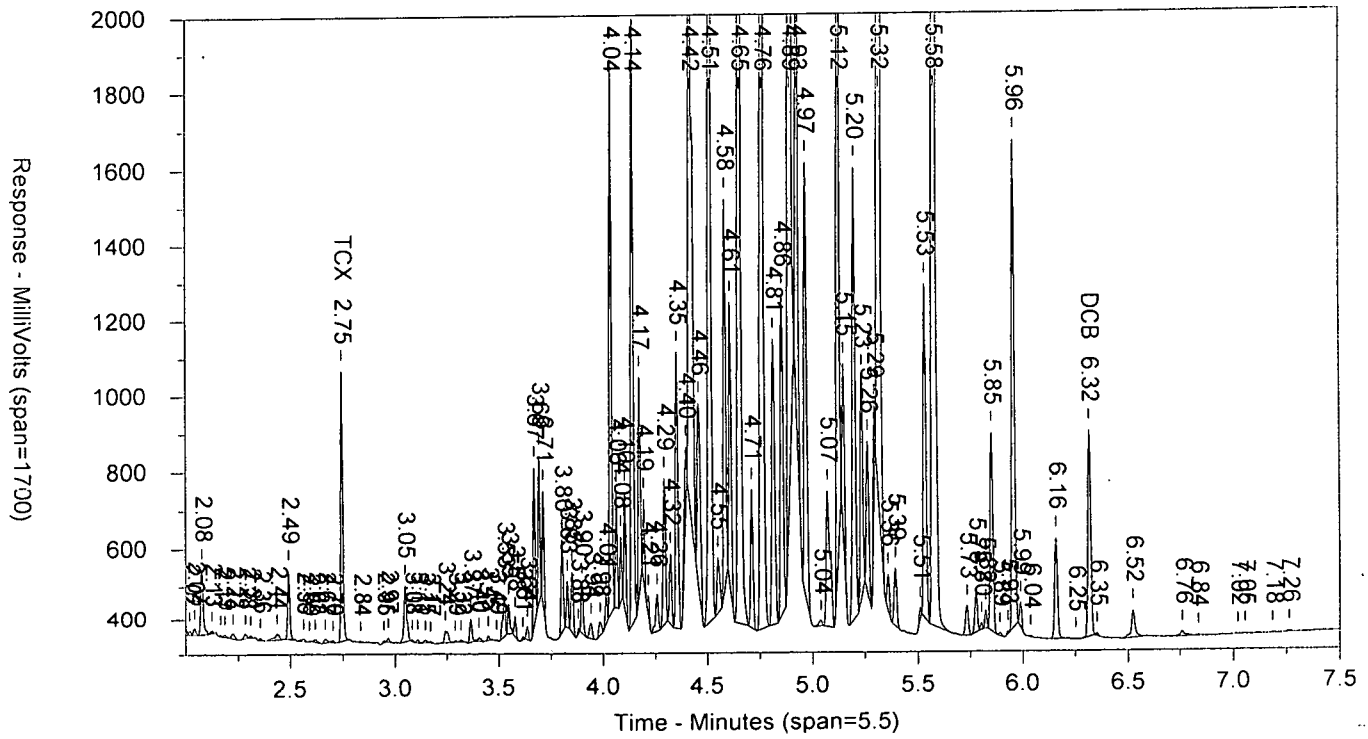

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229536 ACF DF20 03A07 Sample ID: AC **Batchnumber: 172830025A**

Sample Amount: 10.43 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 07:22:22
Instrument	18274A
Result file	25PCBS17309003.066.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 82% (61 - 152) Conc: 24.08562

%SSR(DCB) 96% (48 - 164) Conc: 25.07595

Analysis Report (B)

Injected on	Nov 14, 2017 07:22:22
Instrument	18274B
Result file	25PCBS17309003B.066.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 71% (61 - 152) Conc: 20.90172

%SSR(DCB) 90% (48 - 164) Conc: 23.40302

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	173145	24.08562
Decachlorobiphenyl	6.78	6.81	6.84	109793	25.07595

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	265728	20.90172
Decachlorobiphenyl	6.34	6.37	6.40	140183	23.40302

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	24.08562				14.15	
☑	Tetrachloro-m-xylene-D1	A	24.08562					
☑	Tetrachloro-m-xylene-D2	B	20.90172					
☐	Decachlorobiphenyl	A	25.07595				6.90	
☑	Decachlorobiphenyl-D1	A	25.07595					
☑	Decachlorobiphenyl-D2	B	23.40302					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.68**	
4.92	4.94	4.96	789197.9	3812.508305			1
5.12	5.15	5.16	1113046	5631.248255			2
5.33	5.35	5.37	1272677	4574.669844			3
5.56	5.58	5.60	590909	3935.534131			4
5.80	5.82	5.84	1808730	4571.004693			5
6.00	6.03	6.04	1012928	4234.47192			6

Height summation: **6587487.9**

Concentration CF: **4459.906191** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.39**	
4.69	4.70	4.72	1601851	4321.422034			1
4.80	4.81	4.84	1212092	3701.43914			2
4.93	4.95	4.97	1595713	4374.544592			3
5.16	5.18	5.20	898987.5	3738.751905			4
5.35	5.37	5.39	2302181	4293.962535			5
5.61	5.63	5.65	1483854	4027.406933			6

Height summation: **9094678.5**

Concentration CF: **4076.254523** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<977.9482	<189.837	D1		4	
☑	PCB-1221			<977.9482	<293.3845	D1		3	
☑	PCB-1232			<977.9482	<235.8581	D1		4	
☑	PCB-1242			<977.9482	<235.8581	D1		4	
☑	PCB-1248			<977.9482	<189.837	D1		4	
☑	PCB-1254			<977.9482	<253.116	D1		4	
☑	PCB-1260	A	4459.906191	977.9482	224.3528	D1	8.99	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:05

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229536 ACF DF20 03A07 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.43 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274A
Result file : 25PCBS17309003.066.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 82% (61-152) Conc.: 24.08562
%SSR(DCB) : 96% (48-164) Conc.: 25.07595

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	29.00	
+ 3.29	3.30	3.33	555.8897	4.494192			1
3.29	3.32	3.33	28226.59	228.203018			1
3.51	3.54	3.55	26914.33	216.930055			2
3.63	3.65	3.67	52589.42	339.719584			3
3.86	3.88	3.90	71728.27	455.198306			4
3.92	3.94	3.96	52460.74	378.450004			5
+ 4.12	4.12	4.15	864.3333	8.742513			6
4.12	4.14	4.15	41302.4	417.763359			6
Height Summation:			**273221.75**				
Amount Avg CF:			**339.377388**	Linear:			
Aroclor-1221					3	21.12	
3.19	3.21	3.23	9794.318	165.212588			1
3.25	3.27	3.29	5955.081	113.786795			2
+ 3.30	3.30	3.34	555.8897	3.381643			3
3.30	3.32	3.34	28226.59	171.710788			3
Height Summation:			**43975.989**				
Amount Avg CF:			**150.236724**	Linear:			
Aroclor-1232					6	43.58	
+ 3.30	3.30	3.34	555.8897	4.171625			1
3.30	3.32	3.34	28226.59	211.823953			1
3.51	3.54	3.55	26914.33	485.933245			2
3.63	3.65	3.67	52589.42	769.024176			3
3.86	3.88	3.90	71728.27	1011.744114			4
3.92	3.94	3.96	52460.74	890.189562			5
+ 4.12	4.12	4.16	864.3333	20.644669			6
4.12	4.14	4.16	41302.4	986.511067			6
Height Summation:			**273221.75**				
Amount Avg CF:			**725.871019**	Linear:			
Aroclor-1242					6	28.32	
+ 3.30	3.30	3.34	555.8897	5.694479			1
3.30	3.32	3.34	28226.59	289.150387			1
3.51	3.54	3.55	26914.33	280.754708			2
3.63	3.65	3.67	52589.42	452.460596			3
3.86	3.88	3.90	71728.27	572.964878			4
3.92	3.94	3.96	52460.74	508.199773			5
+ 4.12	4.12	4.16	864.3333	10.826407			6
4.12	4.14	4.16	41302.4	517.342798			6
Height Summation:			**273221.75**				
Amount Avg CF:			**436.81219**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274B
Result file : 25PCBS17309003B.066.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 71% (61-152) Conc.: 20.90172
%SSR(DCB) : 90% (48-164) Conc.: 23.40302

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	87.83	
+ 3.05	3.07	3.09	13805.39	64.248847			1
3.05	3.08	3.09	68416.27	318.402193			1
3.38	3.41	3.42	82027.82	332.110486			2
+ 3.58	3.59	3.62	18239.1	83.461977			3
3.58	3.61	3.62	65441.68	299.460609			3
3.66	3.68	3.70	87977.33	365.123478			4
3.72	3.74	3.76	285911	1520.848849			5
+ 3.72	3.75	3.76	21938.92	116.699886			5
3.83	3.85	3.87	83055.05	443.125171			6
Height Summation:			**672829.15**				
Amount Avg CF:			**546.511798**	Linear:			
Aroclor-1221					3	35.26	
2.93	2.95	2.97	17564.53	151.046484			1
2.99	3.00	3.03	8032.984	118.38382			2
+ 2.99	3.02	3.03	4443.002	65.47748			2
+ 3.05	3.07	3.09	13805.39	47.017159			3
3.05	3.08	3.09	68416.27	233.005998			3
Height Summation:			**94013.784**				
Amount Avg CF:			**167.478767**	Linear:			
Aroclor-1232					6	111.79	
+ 3.05	3.07	3.09	13805.39	58.812257			1
3.05	3.08	3.09	68416.27	291.459731			1
3.38	3.41	3.42	82027.82	767.418403			2
+ 3.58	3.59	3.62	18239.1	168.905522			3
3.58	3.61	3.62	65441.68	606.031061			3
3.66	3.68	3.70	87977.33	851.576959			4
E 3.71	3.74	3.75	285911	4225.892168			5
3.82	3.85	3.86	83055.05	1071.258409			6
Height Summation:			**672829.15**				
Amount Avg CF:			**1302.272788**	Linear:			
Aroclor-1242					6	96.65	
+ 3.05	3.07	3.09	13805.39	81.469653			1
3.05	3.08	3.09	68416.27	403.744466			1
3.38	3.41	3.42	82027.82	438.259747			2
+ 3.58	3.59	3.62	18239.1	97.517078			3
3.58	3.61	3.62	65441.68	349.890148			3
3.66	3.68	3.70	87977.33	463.155092			4
3.71	3.74	3.75	285911	2149.98966			5
3.83	3.85	3.87	83055.05	546.875285			6
Height Summation:			**672829.15**				
Amount Avg CF:			**725.319066**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229536 ACF DF20 03A07 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.43 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274A
Result file : 25PCBS1730903.066.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**72.33**	
3.85	3.88	3.89	71728.27	888.325044			1
3.92	3.94	3.96	52460.74	686.162524			2
3.98	4.01	4.02	73071	561.45853			3
4.21	4.22	4.25	99902.45	828.447127			4
4.39	4.40	4.43	203553.5	1527.634917			5
+ 4.39	4.42	4.43	47694.82	357.941634			5
4.53	4.56	4.57	380718.7	2931.550112			6
Height Summation:			**881434.66**				
Amount Avg CF:			**1237.263042**	Linear:			
Aroclor-1254					**6**	**94.01**	
4.73	4.75	4.77	90273.41	609.922155			1
4.79	4.82	4.83	358993.8	1213.966813			2
4.92	4.94	4.96	789197.9	8707.127873			3
5.01	5.04	5.05	221794.2	1099.933271			4
5.22	5.24	5.26	531096	3120.093896			5
5.33	5.35	5.37	1272677	6172.060634			6
Height Summation:			**3264032.31**				
Amount Avg CF:			**3487.184107**	Linear:			
Aroclor-1260					**6**	**14.68**	
4.92	4.94	4.96	789197.9	3812.508305			1
5.12	5.15	5.16	1113046	5631.248255			2
5.33	5.35	5.37	1272677	4574.669844			3
+ 5.56	5.56	5.60	61255.33	407.968811			4
5.56	5.58	5.60	590909	3935.534131			4
5.80	5.82	5.84	1808730	4571.004693			5
6.00	6.03	6.04	1012928	4234.47192			6
Height Summation:			**6587487.9**				
Amount Avg CF:			**4459.906191**	Linear:			
Aroclor-1262					**6**	**43.01**	
5.40	5.42	5.44	564564.9	2174.64481			1
+ 5.56	5.56	5.60	61255.33	279.127242			2
5.56	5.58	5.60	590909	2692.644042			2
5.80	5.82	5.84	1808730	3625.640268			3
6.00	6.03	6.04	1012928	3189.299108			4
6.06	6.06	6.10	96613.41	631.319824			5
+ 6.06	6.08	6.10	69810.4	456.175695			5
6.44	6.46	6.48	439567.9	2212.695336			6
Height Summation:			**4513313.21**				
Amount Avg CF:			**2421.040565**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274B
Result file : 25PCBS1730903B.066.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**51.62**	
+ 3.58	3.59	3.62	18239.1	171.594741			1
3.58	3.61	3.62	65441.68	615.679948			1
3.66	3.68	3.70	87977.33	638.671096			2
3.69	3.71	3.73	100889.7	457.416404			3
3.82	3.85	3.86	83055.05	320.741912			4
3.92	3.93	3.96	132407.6	743.60082			5
+ 3.92	3.94	3.96	16693.11	93.748473			5
+ 3.92	3.96	3.96	11236.4	63.1036			5
4.06	4.08	4.10	462761.9	1343.226699			6
Height Summation:			**932533.26**				
Amount Avg CF:			**686.556147**	Linear:			
Aroclor-1254					**6**	**105.52**	
4.38	4.40	4.42	211856.1	852.122456			1
+ 4.45	4.45	4.49	81778.74	180.490758			2
+ 4.45	4.47	4.49	231481.4	510.893826			2
4.45	4.48	4.49	274036.7	604.816016			2
4.54	4.56	4.58	1301104	6589.074995			3
4.62	4.63	4.66	244623.4	808.045395			4
4.85	4.87	4.89	217873.9	1041.471606			5
4.93	4.95	4.97	1595713	5097.173098			6
Height Summation:			**3845207.1**				
Amount Avg CF:			**2498.783928**	Linear:			
Aroclor-1260					**6**	**7.39**	
4.69	4.70	4.72	1601851	4321.422034			1
4.80	4.81	4.84	1212092	3701.43914			2
4.93	4.95	4.97	1595713	4374.544592			3
5.16	5.18	5.20	898987.5	3738.751905			4
5.35	5.37	5.39	2302181	4293.962535			5
5.61	5.63	5.65	1483854	4027.406933			6
Height Summation:			**9094678.5**				
Amount Avg CF:			**4076.254524**	Linear:			
Aroclor-1262					**6**	**29.39**	
4.96	4.98	5.00	662060.5	1794.994282			1
5.16	5.18	5.20	898987.5	2314.377694			2
5.35	5.37	5.39	2302181	2996.333885			3
5.57	5.59	5.61	375595.7	1318.99502			4
5.61	5.63	5.65	1483854	2832.82435			5
5.99	6.01	6.03	533440.6	1901.287838			6
Height Summation:			**6256119.3**				
Amount Avg CF:			**2193.135512**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229536 ACF DF20 03A07 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.43 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274A
Result file : 25PCBS17309003.066.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**128.50**	
6.00	6.03	6.04	1012928	1864.969046			1
6.06	6.06	6.10	96613.41	208.748566			2
+ 6.06	6.08	6.10	69810.4	150.83642			2
+ 6.19	6.19	6.23	5036.066	11.507634			3
6.19	6.21	6.23	8547.97	19.53249			3
6.26	6.27	6.30	32972.88	272.347365			4
6.44	6.46	6.48	439567.9	2234.497767			5
6.64	6.66	6.68	90957.11	58.097128			6

Height Summation: **1681587.27**
Amount Avg CF: **776.365394** Linear:

Analysis Report (B)

Injected on : Nov 14, 2017 07:22:22
Instrument : CP25--18274B
Result file : 25PCBS17309003B.066.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**124.37**	
5.57	5.59	5.61	375595.7	475.328408			1
5.61	5.63	5.65	1483854	1930.016873			2
5.77	5.79	5.81	25447.96	40.01912			3
5.84	5.85	5.88	10633.34	65.475383			4
+ 5.84	5.87	5.88	9410.359	57.944809			4
5.99	6.01	6.03	533440.6	1951.066579			5
6.19	6.21	6.23	111568.5	49.997778			6

Height Summation: **2540540.1**
Amount Avg CF: **751.984023** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			977.9481	189.837		** 46.76	4	40	
Aroclor-1221			977.9481	293.3844		10.85	3	5	
Aroclor-1232			977.9481	235.8581		** 56.84	4	10	
Aroclor-1242			977.9481	235.8581		** 49.65	4	30	
Aroclor-1248			977.9481	189.837		** 57.25	4	40	
Aroclor-1254			977.9481	253.116		33.02	4	40	
Aroclor-1260			977.9481	224.3528		8.99	4	40	
Aroclor-1262			977.9481	189.837		9.88	4	40	
Aroclor-1268			977.9481	189.837		3.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:22:22 AM 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: 25pcbs17309003.066.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.01		895	791
2.029		2136	3110
2.08		1045	867
2.1		945	546
2.121		1285	874
2.14		1034	508
2.167		10227	10388
2.224		2498	3576
2.259		4586	3702
2.288		2101	1746
2.327		59586	51214
2.374		984	2036
2.437		9975	10419
2.465		2574	1921
2.499		605	446
2.517		4664	3008
2.546		2335	2484
2.572		831	374
2.6		502	442
2.653		833	1230
2.674		1208	755
2.699		4752	5349
2.759		6331	3561
2.781		75336	51980
2.851		1902	1482
2.877		2066	1660
2.901		1651	1283
2.93		2223	1923
2.956		1062	710
2.997		1771	2628
3.029		1498	894
3.06	TCX	173145	130504
3.147		1370	1358
3.186		532	253
3.213		9794	9325
3.269		5955	8086
3.299		556	326
3.318		28227	20141
3.351		522	226
3.383		62896	48599
3.415		19584	14784
3.456		1215	880
3.496		646	615
3.537		26914	16684
3.555		11606	11363
3.592		795	511
3.608		22940	15540
3.653		52589	37826
3.704		4901	4840
3.729		60216	42046
3.764		5317	5582
3.804		1587	952
3.827		3006	1574
3.847		16492	15445

RT A	Compound A	Height A	Area A
3.882		71728	59227
3.939		52461	41050
3.981		10782	8178
4.008		73071	53721
4.046		161215	149307
4.077		13915	17887
4.117		864	400
4.138		41302	30512
4.164		10928	6970
4.195		25515	17521
4.222		99902	100518
4.274		15614	12273
4.305		5638	3606
4.322		2638	1418
4.355		78117	61877
4.379		10966	8246
4.396		203554	156633
4.417		47695	27604
4.443		50302	37841
4.465		6049	3767
4.511		68888	57558
4.555		380719	370778
4.591		83240	66818
4.633		5510	3379
4.656		19617	16025
4.697		246922	248893
4.755		90273	64967
4.771		61957	43679
4.817		358994	317247
4.865		327305	378503
4.904		117299	89714
4.945		789198	748267
4.99		54405	55077
5.037		221794	227199
5.07		23563	16288
5.094		161709	146514
5.147		1113046	1318566
5.199		191779	171080
5.24		531096	558480
5.283		19044	11883
5.319		115951	139292
5.354		1272677	1150630
5.377		51207	25487
5.395		20799	8924
5.418		564565	490164
5.461		399206	375371
5.501		841	460
5.517		1296	565
5.562		61255	60123
5.582		590909	497039
5.64		351343	317743
5.68		203521	196503
5.721		40501	38595
5.763		260058	228810
5.79		19145	11257
5.819		1808730	1751988
5.966		772	721
6.026		1012928	1009923
6.061		96613	99854
6.078		69810	53790
6.194		5036	3404
6.214		8548	7216
6.273		32973	25203
6.299		189822	170864
6.363		2543	2770
6.404		492	265

RT A	Compound A	Height A	Area A
6.423		1518	1031
6.456		439568	431817
6.501		28819	26013
6.555		353	488
6.599		638	1001
6.629		442	210
6.658		90957	90287
6.694		668	605
6.774		608	1976
6.808	DCB	109793	100731
6.83		3770	1847
6.886		2826	2220
6.973		612	289
6.988		464	217

LANCASTER LABORATORIES

Sample Number: 9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:22:22 AM 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: 25pcbs17309003B.066.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.023		12384	10244
2.051		7631	5204
2.069		13547	11233
2.108		99198	92436
2.156		5177	5491
2.198		8426	6769
2.221		8887	6925
2.267		15053	26084
2.319		11455	15225
2.343		7960	5073
2.366		6681	4091
2.386		7879	4190
2.401		2294	1084
2.42		3870	1797
2.45		7885	5354
2.467		8541	11759
2.525		125954	97132
2.573		6646	4190
2.592		2456	1148
2.606		3012	1311
2.623		8379	6409
2.653		9685	11262
2.701		16336	16848
2.735		9953	9624
2.759		4198	2293
2.782	TCX	265728	180370
2.827		16876	14581
2.87		7916	8098
2.893		4083	5847
2.954		17565	19088
2.978		4209	2768
3.004		8033	6506
3.018		4443	2184
3.039		2499	1412
3.071		13805	7047
3.082		68416	34091
3.123		6132	4011
3.143		5541	3262
3.165		2746	2136
3.184		24654	16617
3.206		2379	3121
3.249		5547	7181
3.28		30706	16450
3.292		5566	1642
3.302		4368	2138
3.331		1704	520
3.355		34941	25157
3.406		82028	62400
3.441		92751	56622
3.469		527	245
3.474		482	87
3.496		7920	9143
3.522		824	375
3.535		3209	2142

RT B	Compound B	Height B	Area B
3.555		5050	2134
3.566		13873	6143
3.586		18239	8666
3.609		65442	64784
3.633		1579	1522
3.679		87977	61390
3.71		100890	60923
3.736		285911	177829
3.754		21939	9036
3.773		44274	37237
3.82		4721	1999
3.845		83055	60768
3.87		21890	12974
3.893		45636	29955
3.926		132408	84249
3.943		16693	6974
3.958		11236	5337
3.987		25423	21901
4.035		116635	118653
4.082		462762	374865
4.109		53150	33192
4.132		26630	13788
4.148		131329	84863
4.186		533237	398791
4.221		127567	88378
4.241		93027	60026
4.292		4341	3619
4.305		12935	9832
4.332		284882	294559
4.376		12821	8489
4.402		211856	161401
4.449		81779	57779
4.466		231481	125624
4.479		274037	142784
4.507		210291	232749
4.562		1301104	1070892
4.605		91413	86422
4.635		244623	175803
4.66		308634	227169
4.704		1601851	1346442
4.762		16450	13124
4.814		1212093	1149486
4.869		217874	219599
4.91		342962	308767
4.948		1595713	1397042
4.982		662061	481234
5.022		497147	417611
5.072		1151	566
5.093		6981	6226
5.126		168781	197953
5.178		898988	731722
5.204		172501	118683
5.253		516091	471628
5.289		253861	201516
5.315		163527	135943
5.349		74603	45478
5.37		2302181	1849676
5.412		49353	36757
5.447		72805	60718
5.486		3537	2627
5.562		20900	12448
5.586		375596	323426
5.63		1483854	1533315
5.785		25448	23647
5.827		48554	39002
5.855		10633	6268

RT B	Compound B	Height B	Area B
5.874		9410	5378
5.903		232783	201813
5.943		1615	883
5.981		1605	890
6.006		533441	456749
6.038		36343	25984
6.208		111569	99535
6.329		982	697
6.343		1322	717
6.37	DCB	140183	124815
6.404		1826	2536
6.458		1020	585
6.487		1010	716
6.545		2844	2158
6.583		16810	14058
6.643		1355	1012
6.682		2919	4886
6.717		1828	1305
6.747		2594	3550
6.779		1216	879
6.802		1753	2251
6.855		7234	9331
6.892		3783	3989
6.955		1298	6975

9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082

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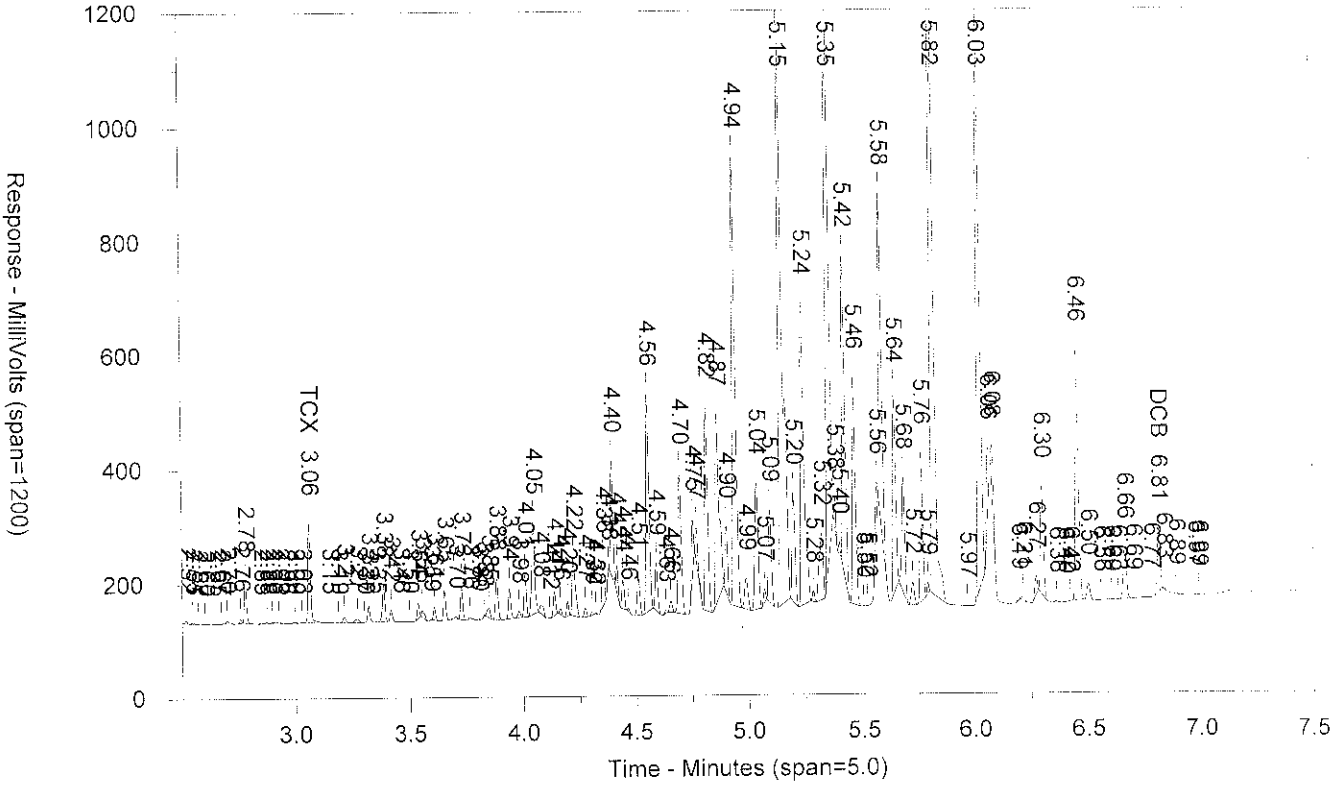

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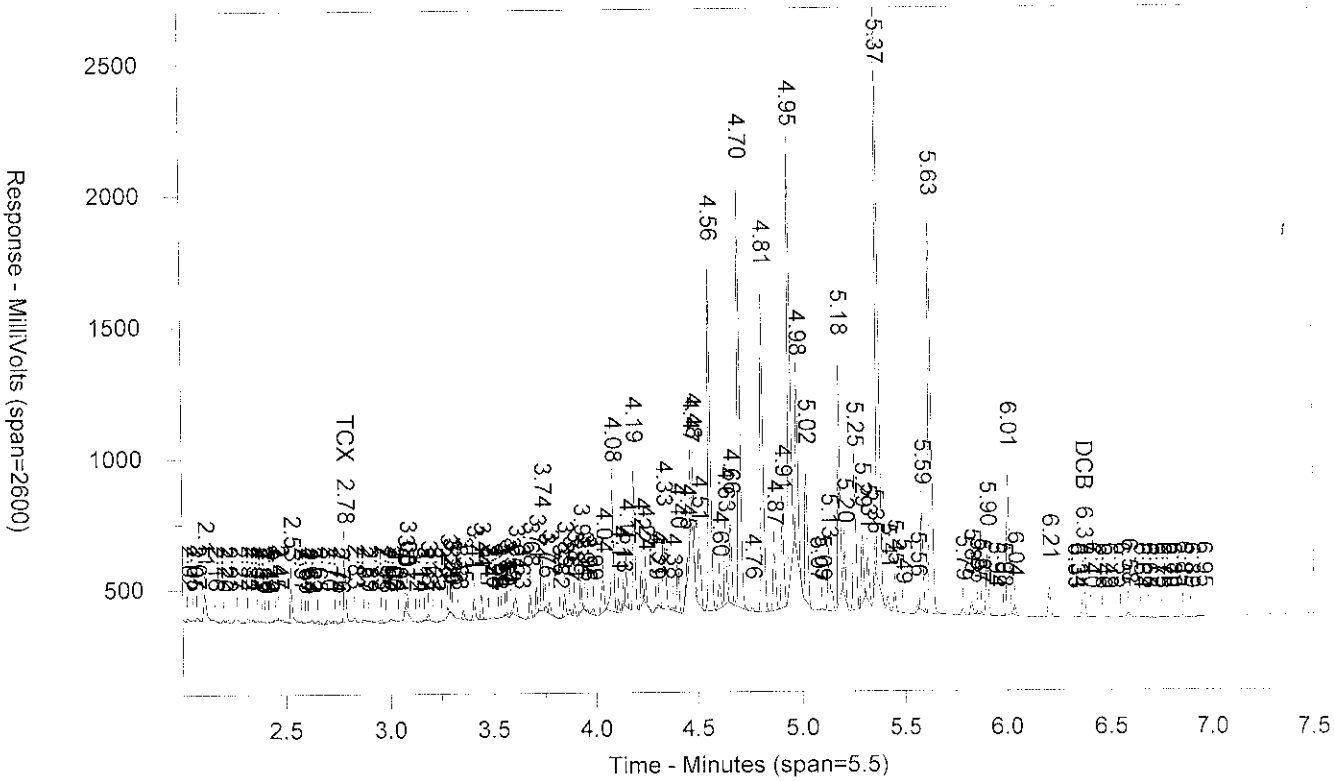

LANCASTER LABORATORIES

Sample Number: 9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:22:22 AM Sample Weight: 10.43
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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	173145	24.086	TCX	2.782	265728	20.902	TCX
6.808	109793	25.076	DCB	6.37	140183	23.403	DCB

Files:
Area File: 25pcbs17309003.066.RAW
Area File: 25pcbs17309003B.066.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 7:30:55 AM
File Reported On: 11/14/2017 at 7:31:02 AM

9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082

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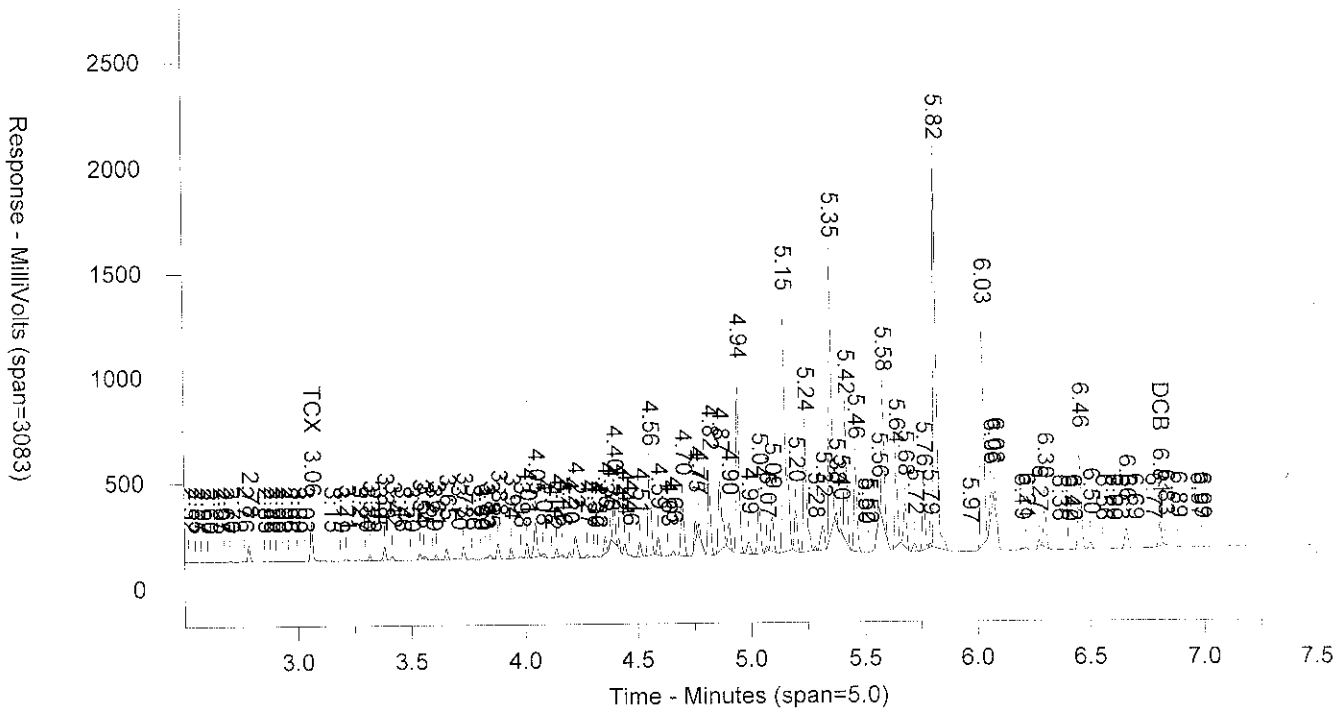

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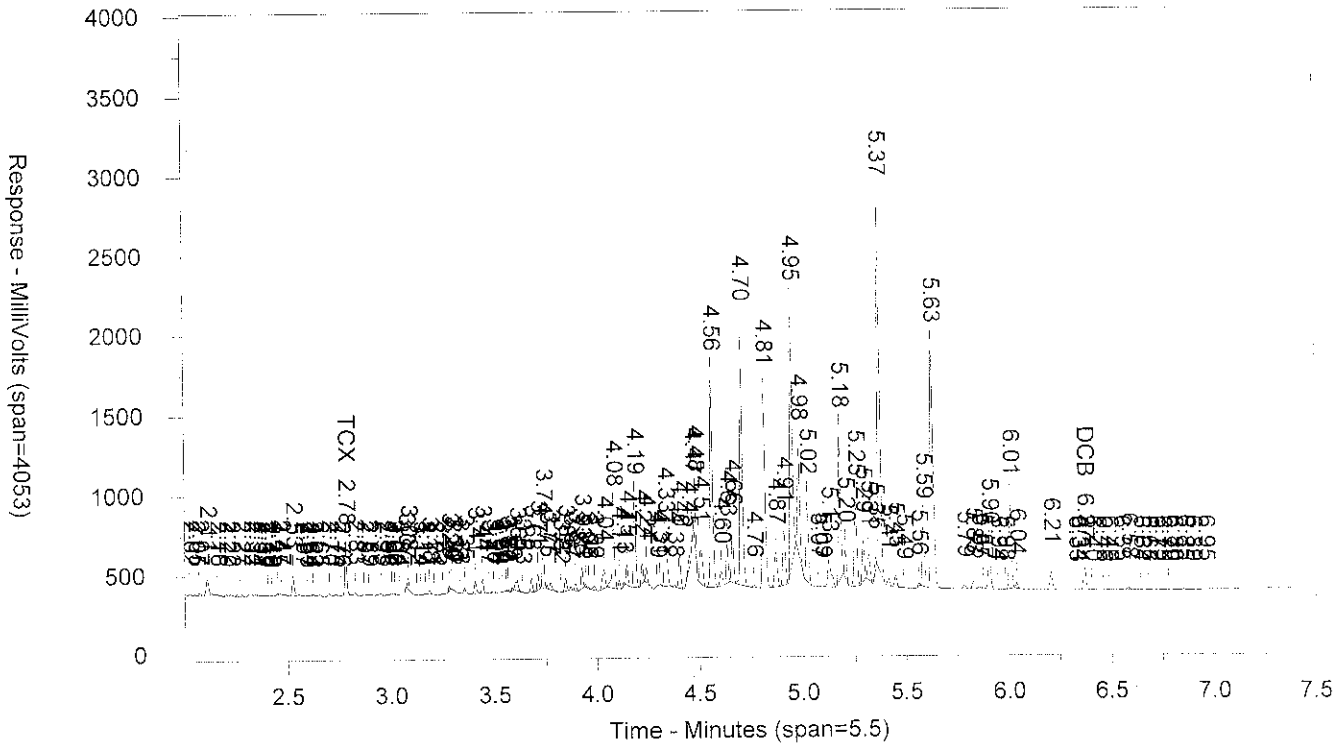

9229536 ACF DF20 AC03A07 T 172830025A 10225 SW-846 8082

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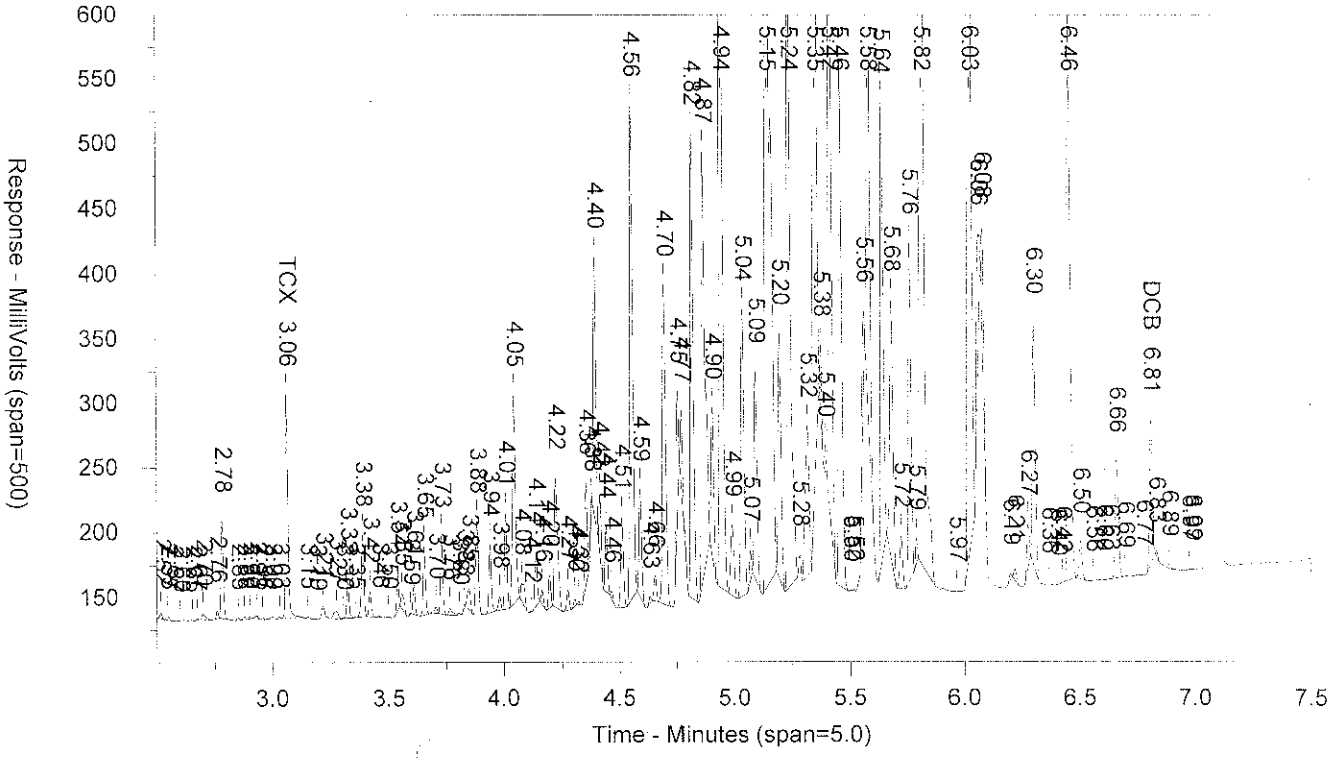

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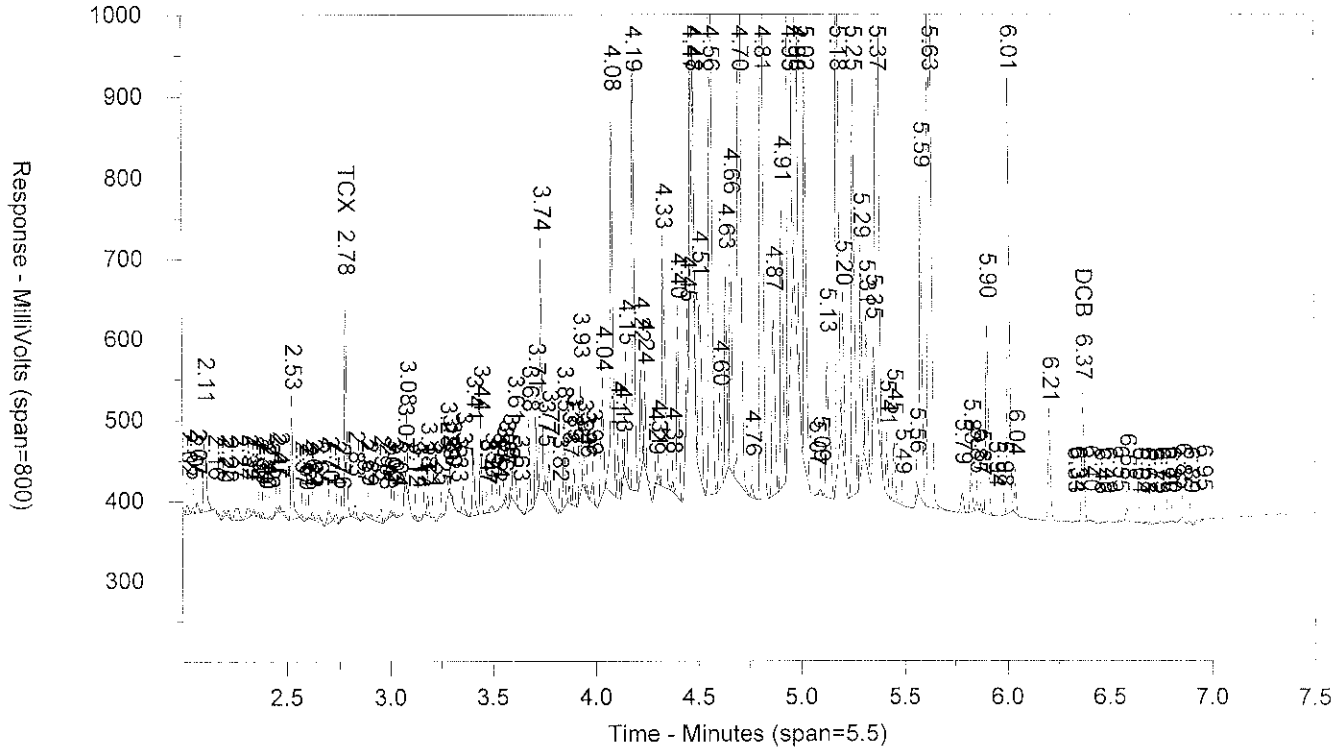

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229537 ACF 03A08 Sample ID: AB **Batchnumber: 172830025A**

Sample Amount: 10.37 g Total Volume: 10 ml Analyst: 9065 SDG: ATH03 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 07:33:47
Instrument	18274A
Result file	25PCBS17309003.067.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 81% (61 - 152) Conc: 23.94239

%SSR(DCB) 84% (48 - 164) Conc: 21.9949

Analysis Report (B)

Injected on	Nov 14, 2017 07:33:47
Instrument	18274B
Result file	25PCBS17309003B.067.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 78% (61 - 152) Conc: 22.97682

%SSR(DCB) 76% (48 - 164) Conc: 19.81915

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	3422514	23.94239
Decachlorobiphenyl	6.78	6.81	6.84	1914984	21.9949

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	5808584	22.97682
Decachlorobiphenyl	6.34	6.37	6.40	2360662	19.81915

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	23.94239				4.12	
☑	Tetrachloro-m-xylene-D1	A	23.94239					
☑	Tetrachloro-m-xylene-D2	B	22.97682					
☐	Decachlorobiphenyl	A	21.9949				10.41	
☑	Decachlorobiphenyl-D1	A	21.9949					
☑	Decachlorobiphenyl-D2	B	19.81915					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.94**	
4.92	4.95	4.96	596431.2	144.897465			1
5.12	5.15	5.16	670022.9	170.473455			2
5.33	5.36	5.37	940120	169.941876			3
5.56	5.58	5.60	427652.9	143.235298			4
5.80	5.82	5.84	1307650	166.190043			5
6.00	6.03	6.04	724825.9	152.380692			6

Height summation: **4666702.9**

Concentration CF: **157.853138** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.70**	
4.69	4.71	4.72	1216633	165.059192			1
4.80	4.81	4.84	920806.7	141.409653			2
4.93	4.95	4.97	1282538	176.816937			3
5.16	5.18	5.20	665553.8	139.197591			4
5.35	5.37	5.39	1592436	149.367575			5
5.61	5.63	5.65	1069292	145.950711			6

Height summation: **6747259.5**

Concentration CF: **152.966943** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49.1803	<9.5468	D1		4	
☑	PCB-1221			<49.1803	<14.7541	D1		3	
☑	PCB-1232			<49.1803	<11.8611	D1		4	
☑	PCB-1242			<49.1803	<11.8611	D1		4	
☑	PCB-1248			<49.1803	<9.5468	D1		4	
☑	PCB-1254			<49.1803	<12.729	D1		4	
☑	PCB-1260	A	157.853138	49.1803	11.2825	D1	3.14	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:08

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229537 ACF 03A08 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10.37 g Total Volume: 10 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274A
Result file : 25PCBS17309003.067.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 81% (61-152) Conc.: 23.94239
%SSR(DCB) : 84% (48-164) Conc.: 21.9949

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	38.81	
3.29	3.32	3.33	23345.09	9.491483			1
3.51	3.54	3.55	23905.58	9.689715			2
3.63	3.66	3.67	51510.8	16.733857			3
3.86	3.88	3.90	62795.1	20.04064			4
3.92	3.94	3.96	44758.53	16.237736			5
4.12	4.14	4.15	51546.2	26.219673			6
Height Summation:			**257861.3**				
Amount Avg CF:			**16.402184**	Linear:			
Aroclor-1221					3	109.07	
3.19	3.22	3.23	9611.802	8.153598			1
3.25	3.26	3.29	48537.25	46.63961			2
3.30	3.32	3.34	23345.09	7.141843			3
Height Summation:			**81494.142**				
Amount Avg CF:			**20.645017**	Linear:			
Aroclor-1232					6	51.85	
3.30	3.32	3.34	23345.09	8.81024			1
3.51	3.54	3.55	23905.58	21.705404			2
3.63	3.66	3.67	51510.8	37.880479			3
3.86	3.88	3.90	62795.1	44.543224			4
3.92	3.94	3.96	44758.53	38.194379			5
4.12	4.14	4.16	51546.2	61.915429			6
Height Summation:			**257861.3**				
Amount Avg CF:			**35.508193**	Linear:			
Aroclor-1242					6	37.01	
3.30	3.32	3.34	23345.09	12.026423			1
3.51	3.54	3.55	23905.58	12.5406			2
3.63	3.66	3.67	51510.8	22.287237			3
3.86	3.88	3.90	62795.1	25.225452			4
3.92	3.94	3.96	44758.53	21.804766			5
4.12	4.14	4.16	51546.2	32.46948			6
Height Summation:			**257861.3**				
Amount Avg CF:			**21.058993**	Linear:			
Aroclor-1248					6	73.92	
3.85	3.88	3.89	62795.1	39.109554			1
3.92	3.94	3.96	44758.53	29.440417			2
+ 3.98	3.98	4.02	13035.3	5.036968			3
3.98	4.01	4.02	84822.58	32.776281			3
4.21	4.22	4.25	80383.06	33.521909			4
4.39	4.40	4.43	215994	81.518888			5
+ 4.39	4.42	4.43	59447.94	22.43641			5
4.53	4.56	4.57	360665.2	139.66028			6
Height Summation:			**849418.47**				
Amount Avg CF:			**59.337888**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274B
Result file : 25PCBS17309003B.067.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 78% (61-152) Conc.: 22.97682
%SSR(DCB) : 76% (48-164) Conc.: 19.81915

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.44	
+ 3.05	3.07	3.09	9313.164	2.179664			1
3.05	3.08	3.09	77906.77	18.23339			1
3.38	3.41	3.42	57808.19	11.770268			2
+ 3.38	3.42	3.42	54046.64	11.004382			2
3.58	3.59	3.62	29627.07	6.817883			3
+ 3.58	3.60	3.62	9205.86	2.118484			3
+ 3.58	3.61	3.62	22629.79	5.207645			3
3.66	3.68	3.70	75196.27	15.69426			4
3.72	3.74	3.76	253077.4	67.699289			5
+ 3.72	3.76	3.76	84249.84	22.537193			5
3.83	3.85	3.87	94165.77	25.265564			6
Height Summation:			**587781.47**				
Amount Avg CF:			**24.246776**	Linear:			
Aroclor-1221					3	112.58	
+ 2.93	2.94	2.97	4267.998	1.845754			1
2.93	2.95	2.97	15994.9	6.917213			1
2.99	3.00	3.03	88755.3	65.778702			2
+ 3.05	3.07	3.09	9313.164	1.595073			3
3.05	3.08	3.09	77906.77	13.343153			3
Height Summation:			**182656.97**				
Amount Avg CF:			**28.679689**	Linear:			
Aroclor-1232					6	115.88	
+ 3.05	3.07	3.09	9313.164	1.995225			1
3.05	3.08	3.09	77906.77	16.690522			1
3.38	3.41	3.42	57808.19	27.197937			2
+ 3.38	3.42	3.42	54046.64	25.428181			2
3.58	3.59	3.62	29627.07	13.797637			3
+ 3.58	3.60	3.62	9205.86	4.287265			3
+ 3.58	3.61	3.62	22629.79	10.53893			3
3.66	3.68	3.70	75196.27	36.603699			4
3.71	3.74	3.75	253077.4	188.111985			5
3.82	3.85	3.86	94165.77	61.079689			6
Height Summation:			**587781.47**				
Amount Avg CF:			**57.246912**	Linear:			
Aroclor-1242					6	99.39	
+ 3.05	3.07	3.09	9313.164	2.763885			1
3.05	3.08	3.09	77906.77	23.120538			1
3.38	3.41	3.42	57808.19	15.532285			2
+ 3.38	3.42	3.42	54046.64	14.521607			2
3.58	3.59	3.62	29627.07	7.966023			3
+ 3.58	3.60	3.62	9205.86	2.475239			3
+ 3.58	3.61	3.62	22629.79	6.084619			3
3.66	3.68	3.70	75196.27	19.907995			4
3.71	3.74	3.75	253077.4	95.704956			5
3.83	3.85	3.87	94165.77	31.18106			6
Height Summation:			**587781.47**				
Amount Avg CF:			**32.235476**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229537 ACF 03A08 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10.37 g Total Volume: 10 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274A
Result file : 25PCBS17309003.067.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	84.53	
4.73	4.76	4.77	106761.1	36.274644			1
4.79	4.82	4.83	341278.7	58.036953			2
4.92	4.95	4.96	596431.2	330.921445			3
5.01	5.04	5.05	224950.3	56.101993			4
5.22	5.24	5.26	420696.4	124.290801			5
5.33	5.36	5.37	940120	229.282462			6
Height Summation:			**2630237.7**				
Amount Avg CF:			**139.151383**	Linear:			
Aroclor-1260					6	7.94	
4.92	4.95	4.96	596431.2	144.897465			1
5.12	5.15	5.16	670022.9	170.473455			2
5.33	5.36	5.37	940120	169.941876			3
+ 5.56	5.56	5.60	44096.01	14.769233			4
5.56	5.58	5.60	427652.9	143.235298			4
5.80	5.82	5.84	1307650	166.190043			5
6.00	6.03	6.04	724825.9	152.380692			6
Height Summation:			**4666702.9**				
Amount Avg CF:			**157.853138**	Linear:			
Aroclor-1262					6	44.45	
5.40	5.42	5.44	408691.8	79.167319			1
+ 5.56	5.56	5.60	44096.01	10.104927			2
5.56	5.58	5.60	427652.9	97.999829			2
5.80	5.82	5.84	1307650	131.81901			3
6.00	6.03	6.04	724825.9	114.769353			4
+ 6.06	6.07	6.10	50078.87	16.456675			5
6.06	6.08	6.10	57356.43	18.848191			5
6.44	6.46	6.48	331953.2	84.032651			6
Height Summation:			**3258130.23**				
Amount Avg CF:			**87.772726**	Linear:			
Aroclor-1268					6	128.28	
6.00	6.03	6.04	724825.9	67.112329			1
+ 6.06	6.07	6.10	50078.87	5.441469			2
6.06	6.08	6.10	57356.43	6.232234			2
+ 6.19	6.20	6.23	3742.389	0.43005			3
6.19	6.22	6.23	17895.97	2.056484			3
6.26	6.28	6.30	24684.57	10.253389			4
6.44	6.46	6.48	331953.2	84.860653			5
6.64	6.66	6.68	84653.39	2.71918			6
Height Summation:			**1241369.46**				
Amount Avg CF:			**28.872378**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274B
Result file : 25PCBS17309003B.067.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	60.53	
3.58	3.59	3.62	29627.07	14.017315			1
+ 3.58	3.60	3.62	9205.86	4.355525			1
+ 3.58	3.61	3.62	22629.79	10.706725			1
3.66	3.68	3.70	75196.27	27.452275			2
3.69	3.71	3.73	128717.2	29.347901			3
3.82	3.85	3.86	94165.77	18.287666			4
3.92	3.93	3.96	94466.64	26.679702			5
+ 3.92	3.94	3.96	25445.2	7.18635			5
+ 3.92	3.96	3.96	11784.94	3.328357			5
4.06	4.08	4.10	448991.6	65.539857			6
Height Summation:			**871164.55**				
Amount Avg CF:			**30.220786**	Linear:			
Aroclor-1254					6	93.15	
4.38	4.40	4.42	223332.8	45.174058			1
+ 4.45	4.45	4.49	62958.98	6.987918			2
4.45	4.47	4.49	281055	31.194744			2
+ 4.45	4.48	4.49	177138.3	19.660863			2
4.54	4.56	4.58	987407.3	251.468927			3
4.62	4.64	4.66	267832.5	44.491453			4
4.85	4.87	4.89	204644.6	49.194672			5
4.93	4.95	4.97	1282538	206.025225			6
Height Summation:			**3246810.2**				
Amount Avg CF:			**104.591513**	Linear:			
Aroclor-1260					6	9.70	
4.69	4.71	4.72	1216633	165.059192			1
4.80	4.81	4.84	920806.7	141.409653			2
4.93	4.95	4.97	1282538	176.816937			3
5.16	5.18	5.20	665553.8	139.197591			4
5.35	5.37	5.39	1592436	149.367575			5
5.61	5.63	5.65	1069292	145.950711			6
Height Summation:			**6747259.5**				
Amount Avg CF:			**152.966943**	Linear:			
Aroclor-1262					6	26.44	
4.96	4.98	5.00	481980	65.715825			1
5.16	5.18	5.20	665553.8	86.166669			2
5.35	5.37	5.39	1592436	104.228931			3
5.57	5.59	5.61	285525.7	50.424698			4
5.61	5.63	5.65	1069292	102.659785			5
5.99	6.01	6.03	409055.2	73.319463			6
Height Summation:			**4503842.7**				
Amount Avg CF:			**80.419229**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229537 ACF 03A08 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10.37 g Total Volume: 10 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274A
Result file : 25PCBS17309003.067.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 07:33:47
Instrument : CP25--18274B
Result file : 25PCBS17309003B.067.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**116.57**	
5.57	5.59	5.61	285525.7	18.171631			1
5.61	5.63	5.65	1069292	69.942606			2
5.77	5.79	5.81	36607.46	2.895074			3
5.84	5.86	5.88	22430.72	6.945877			4
5.99	6.01	6.03	409055.2	75.239084			5
6.19	6.21	6.23	101774.6	2.293634			6

Height Summation: **1924685.68**
Amount Avg CF: **29.247984** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.1803	9.5468		38.60	4	40	
Aroclor-1221			49.1803	14.7541		32.58	3	5	
Aroclor-1232			49.1803	11.8611		** 46.87	4	10	
Aroclor-1242			49.1803	11.8611		** 41.94	4	30	
Aroclor-1248			49.1803	9.5468		** 65.02	4	40	
Aroclor-1254			49.1803	12.729		28.36	4	40	
Aroclor-1260			49.1803	11.2825		3.14	4	40	
Aroclor-1262			49.1803	9.5468		8.74	4	40	
Aroclor-1268			49.1803	9.5468		1.29	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:33:47 AM 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: 25pcbs17309003.067.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.031		3208	4899
2.053		1751	1246
2.097		1100	1076
2.118		9625	5972
2.135		3340	1707
2.167		8171	8185
2.225		2496	4252
2.259		201435	164578
2.328		46591	34136
2.353		10535	6403
2.438		5834	4957
2.464		2697	2034
2.519		273097	190638
2.553		545	197
2.564		1889	1326
2.593		1174	834
2.616		718	396
2.636		5794	4534
2.682		562	610
2.7		3970	3209
2.728		613	322
2.76		5811	3365
2.782		74595	51807
2.831		2723	1787
2.864		11680	10162
2.903		716	417
2.931		1820	1863
2.958		1115	604
3.005		5459	5380
3.031		370	241
3.06	TCX	3422514	2355766
3.147		1157	882
3.185		453	318
3.216		9612	8873
3.244		1900	821
3.262		48537	34400
3.318		23345	17626
3.384		61844	53182
3.416		15440	10839
3.457		1743	1471
3.492		1986	1336
3.538		23906	14516
3.555		14230	11268
3.609		58663	43936
3.655		51511	37394
3.692		779	487
3.705		2169	1368
3.732		81446	58552
3.766		4766	4902
3.803		37919	25773
3.828		3662	2023
3.846		23737	23574
3.883		62795	54770
3.94		44759	35326

RT A	Compound A	Height A	Area A
3.983		13035	9727
4.01		84823	62494
4.047		127406	170449
4.079		5662	7902
4.14		51546	36534
4.166		19286	13538
4.197		35874	25932
4.224		80383	88529
4.276		17673	13526
4.305		7332	4779
4.322		2043	1201
4.357		67862	56345
4.398		215994	190652
4.419		59448	32424
4.444		79242	62269
4.465		5146	3013
4.512		69138	58905
4.556		360665	344476
4.593		98156	79441
4.635		10679	7177
4.657		19725	15475
4.699		198499	198460
4.756		106761	75603
4.771		34544	18266
4.819		341279	309145
4.866		252246	296721
4.906		95128	71265
4.945		596431	568855
4.993		45213	45033
5.038		224950	222783
5.072		41396	29955
5.096		131813	105698
5.148		670023	550357
5.167		104209	63390
5.2		165808	149960
5.241		420696	437669
5.284		21295	13193
5.319		105955	136438
5.356		940120	866781
5.379		41411	19779
5.397		18924	8070
5.419		408692	358544
5.462		290572	278754
5.518		897	374
5.563		44096	45274
5.584		427653	350309
5.642		261527	235092
5.681		155623	148118
5.722		42454	40944
5.764		193862	177138
5.792		18650	11301
5.821		1307651	1262766
5.906		971	813
5.934		1293	1249
5.978		647	697
6.027		724826	732776
6.067		50079	71399
6.081		57356	36853
6.196		3742	2350
6.216		17896	14701
6.247		682	387
6.276		24685	19791
6.301		141946	126850
6.365		2745	2899
6.425		2284	1878
6.457		331953	319226

RT A	Compound A	Height A	Area A
6.503		21046	19014
6.549		459	287
6.584		469	428
6.661		84653	82585
6.699		2570	2169
6.811	DCB	1914984	1974002
6.97		310	193

LANCASTER LABORATORIES

Sample Number: 9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:33:47 AM 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: 25pcbs17309003B.067.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.021		313961	261185
2.079		22441	20113
2.107		79217	70519
2.158		2848	1384
2.173		6305	3449
2.196		7614	6149
2.219		10046	9714
2.267		447092	327931
2.313		15513	19114
2.345		3278	2187
2.358		8492	6293
2.385		7075	4082
2.401		4599	2556
2.423		3704	1788
2.451		7370	5851
2.469		6264	3993
2.525		131224	101231
2.572		3658	2407
2.594		25510	18825
2.623		10189	7622
2.654		6041	7948
2.701		14996	15321
2.738		6683	5973
2.756		7152	4455
2.781	TCX	5808584	3693243
2.826		12118	6464
2.869		10956	9564
2.903		17387	15465
2.94		4268	5590
2.954		15995	8117
2.979		4336	3612
3.003		88755	61254
3.038		1996	1138
3.071		9313	5454
3.082		77907	42337
3.122		24886	14937
3.142		6460	3365
3.163		5687	3284
3.184		24128	16965
3.215		7312	5229
3.254		7982	10301
3.28		27462	13973
3.292		13552	5163
3.32		63937	35535
3.355		31733	24282
3.407		57808	34740
3.423		54047	26037
3.442		71518	41734
3.472		2257	1673
3.5		70631	50925
3.518		729	178
3.54		3817	2715
3.556		6841	2947
3.567		28730	14081

RT B	Compound B	Height B	Area B
3.587		29627	14499
3.603		9206	4948
3.611		22630	14844
3.68		75196	52073
3.712		128717	78614
3.737		253077	153188
3.756		84250	40994
3.774		24501	14706
3.822		4333	1835
3.846		94166	68195
3.872		37684	22509
3.894		61492	42976
3.927		94467	58588
3.943		25445	11501
3.959		11785	5567
3.988		25246	21590
4.036		89954	92103
4.083		448992	356958
4.11		81355	51764
4.132		46280	24436
4.149		129588	81345
4.187		502606	370864
4.222		143774	105327
4.242		92483	53107
4.263		15785	9336
4.305		27658	35131
4.333		200239	231997
4.378		16460	10092
4.402		223333	162427
4.45		62959	51770
4.467		281055	151611
4.48		177138	91822
4.508		163933	176943
4.563		987407	852227
4.605		77401	73696
4.635		267833	193370
4.661		237244	171438
4.683		23255	11799
4.705		1216633	963921
4.762		25224	20062
4.815		920807	906704
4.869		204645	203863
4.911		258136	247112
4.949		1282538	1071952
4.982		481980	359095
5.023		383824	314974
5.092		6319	7854
5.127		125792	150567
5.179		665554	535032
5.204		140776	103594
5.254		392726	356894
5.29		189189	152124
5.316		128542	110696
5.349		76315	42151
5.37		1592436	1329980
5.413		35796	26396
5.448		78089	64876
5.563		13510	8351
5.586		285526	244188
5.631		1069292	1128024
5.787		36607	33965
5.828		34506	26450
5.856		22431	15307
5.876		10406	6221
5.905		184272	157014
5.981		1910	1041

RT B	Compound B	Height B	Area B
6.008		409055	342636
6.039		27210	19633
6.209		101775	91169
6.323		1354	876
6.372	DCB	2360663	2190931
6.488		1597	1769
6.549		2254	1406
6.584		15508	15380
6.691		6322	7621
6.722		1992	1299
6.749		1171	886
6.794		2101	4044
6.857		5965	8201
6.889		2556	2982
6.972		2185	12461

9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082

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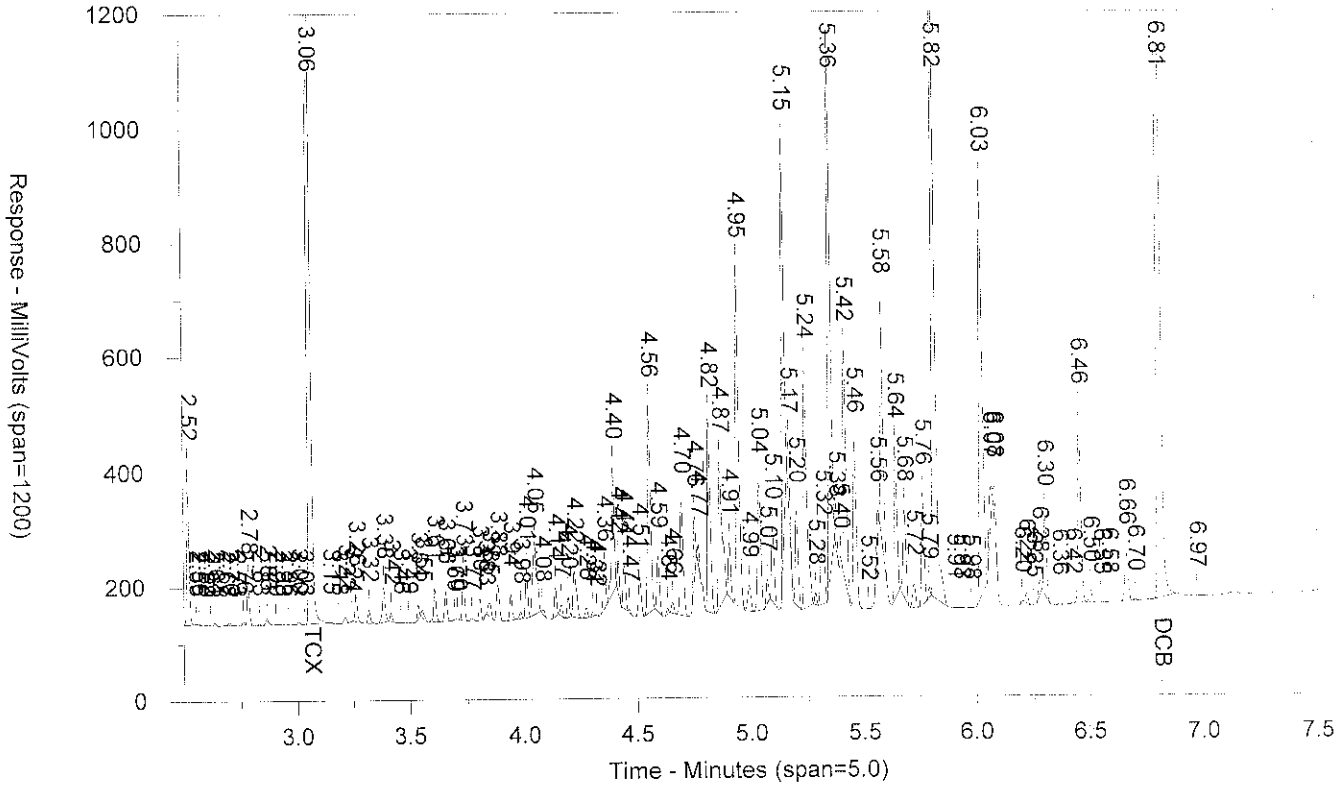

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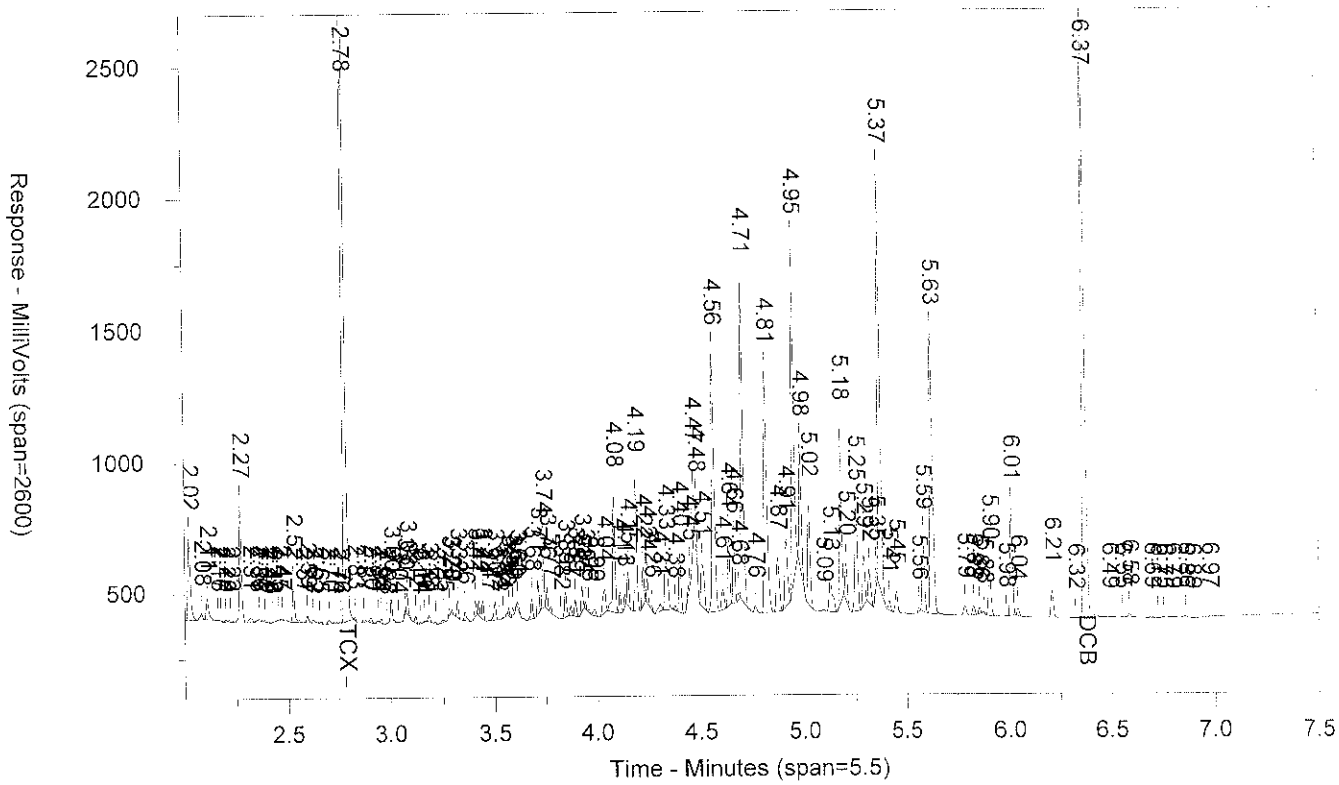

LANCASTER LABORATORIES

Sample Number: 9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 7:33:47 AM Sample Weight: 10.37
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
3.06	3422514	23.942	TCX	2.781	5808584	22.977	TCX
6.811	1914984	21.995	DCB	6.372	2360663	19.819	DCB

Files:
Area File: 25pcbs17309003.067.RAW
Area File: 25pcbs17309003B.067.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 7:42:20 AM
File Reported On: 11/14/2017 at 7:42:34 AM

9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082

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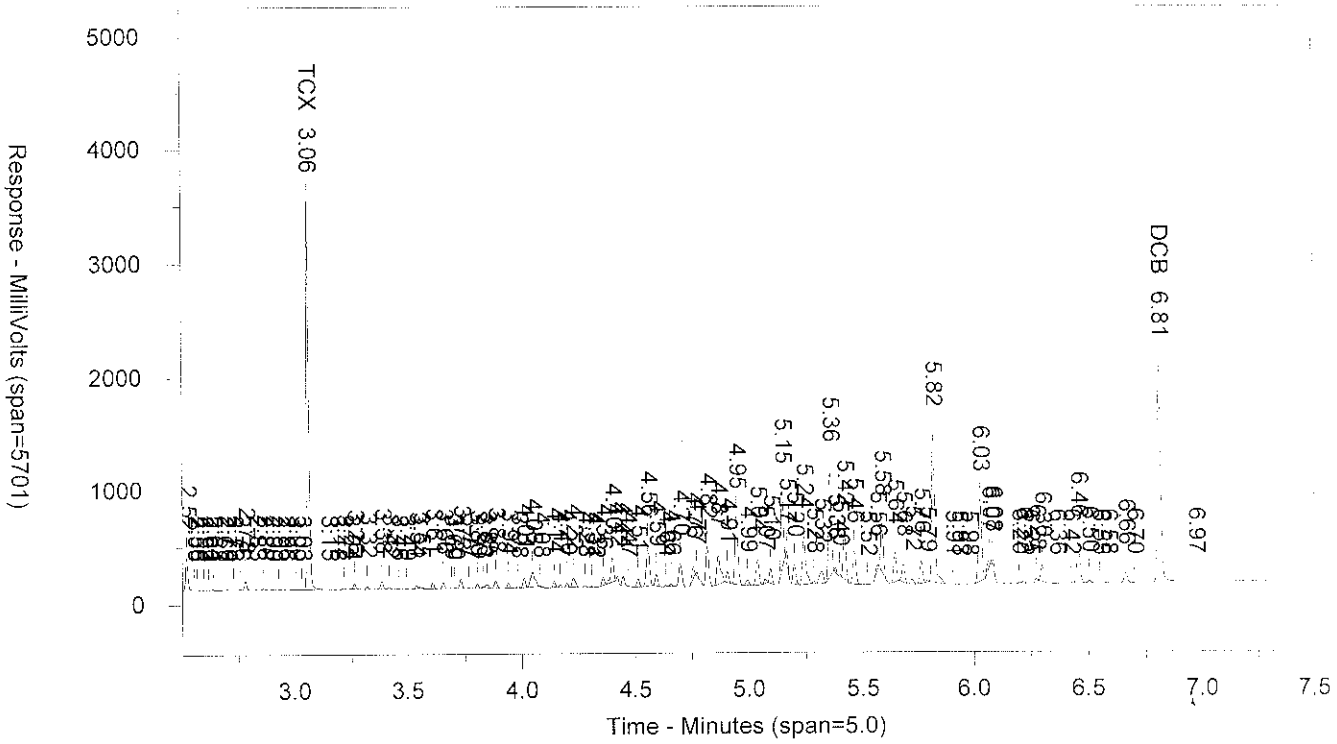

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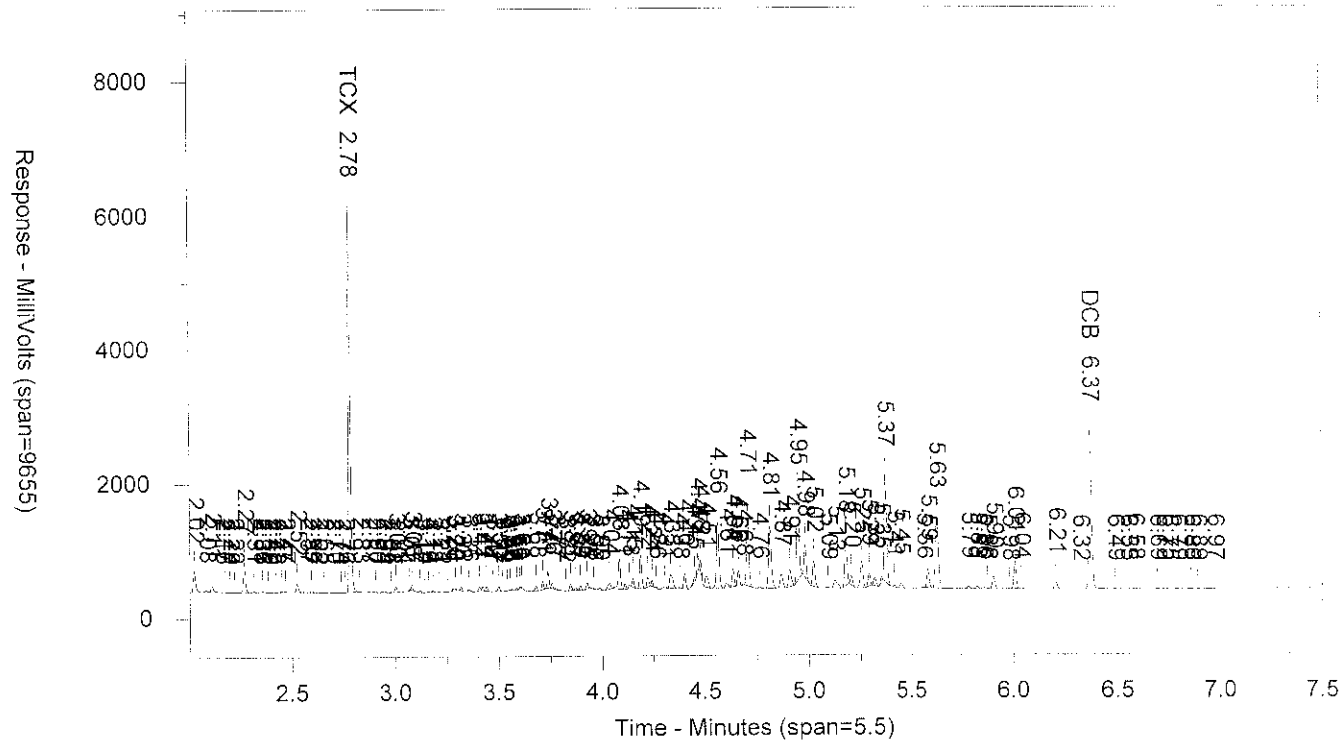

9229537 ACF AB03A08 T 172830025A 10225 SW-846 8082

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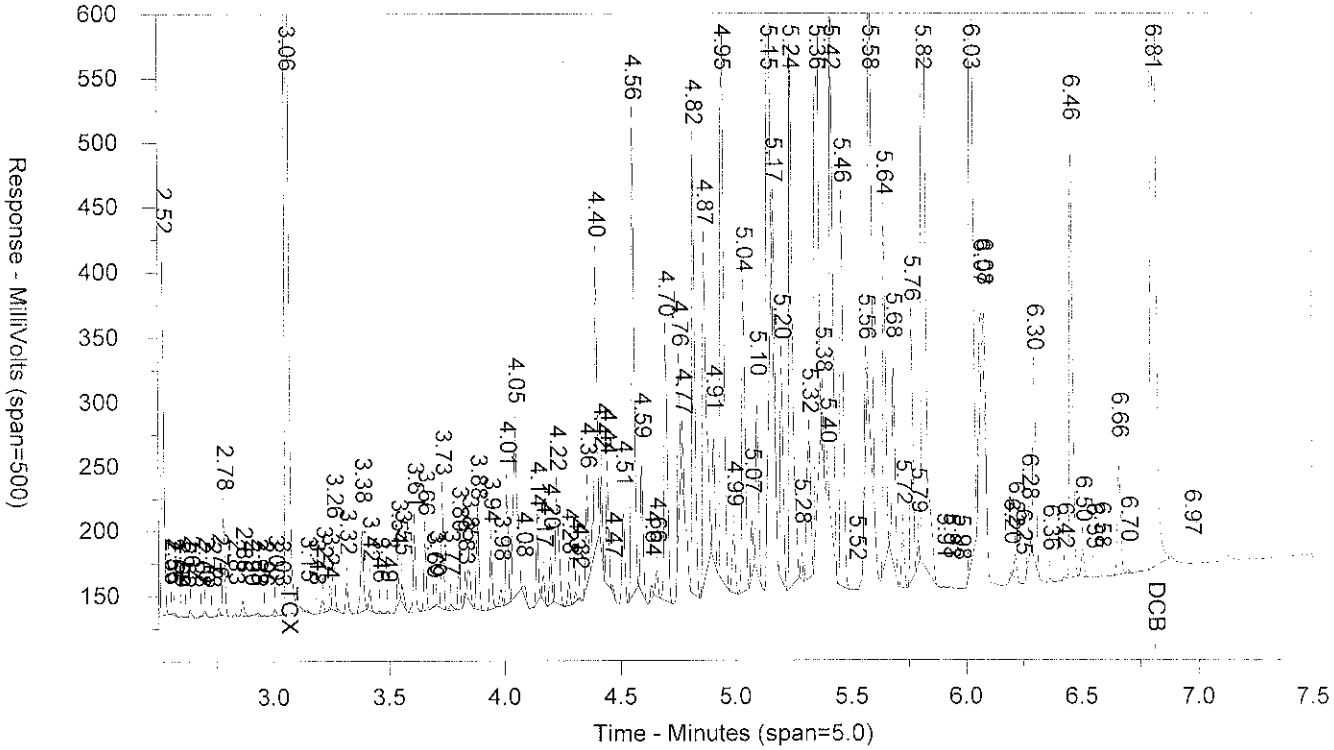

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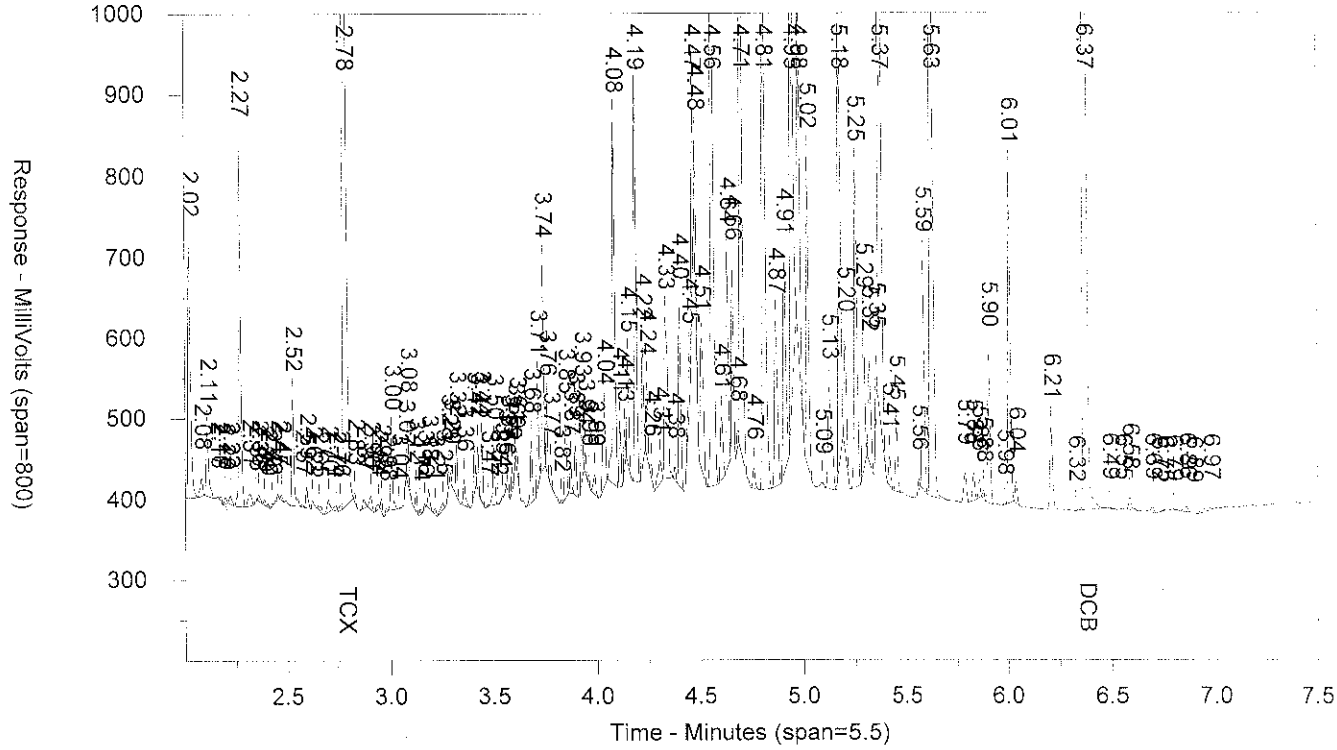

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Data Summary

Sample Name: 9229538 ACF DF50 03A09 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 08:07:24
Instrument	18274A
Result file	25PCBS17309003.070.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 112% (61 - 152) Conc: 33.74486
%SSR(DCB) 113% (48 - 164) Conc: 30.2482

Analysis Report (B)

Injected on	Nov 14, 2017 08:07:24
Instrument	18274B
Result file	25PCBS17309003B.070.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 92% (61 - 152) Conc: 27.6117
%SSR(DCB) 114% (48 - 164) Conc: 30.43966

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	94708	33.74486
Decachlorobiphenyl	6.78	6.80	6.84	51706	30.2482

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.75	2.78	2.81	137048	27.6117
Decachlorobiphenyl	6.34	6.37	6.40	71185	30.43966

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	33.74486				19.99	
☑	Tetrachloro-m-xylene-D1	A	33.74486					
☑	Tetrachloro-m-xylene-D2	B	27.6117					
☐	Decachlorobiphenyl	B	30.43966				0.63	
☑	Decachlorobiphenyl-D1	A	30.2482					
☑	Decachlorobiphenyl-D2	B	30.43966					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.65**	
4.92	4.94	4.96	716776.6	8869.216074			1
5.12	5.14	5.16	804761.7	10428.825458			2
5.33	5.35	5.37	1224932	11277.947799			3
5.56	5.58	5.60	475249	8107.385601			4
5.80	5.82	5.84	1514137	9801.208691			5
6.00	6.02	6.04	879428.4	9416.677704			6

Height summation: **5615284.7**
Concentration CF: **9650.210221** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.82**	
4.69	4.70	4.72	1475064	10192.763988			1
4.80	4.81	4.84	1098556	8592.781484			2
4.93	4.95	4.97	1572414	11041.332939			3
5.16	5.18	5.20	757497.8	8069.207977			4
5.35	5.37	5.39	1898854	9071.662792			5
5.61	5.63	5.65	1279881	8897.755603			6

Height summation: **8082266.8**
Concentration CF: **9310.917464** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2504.9117	<486.2476	D1		4	
☑	PCB-1221			<2504.9117	<751.4735	D1		3	
☑	PCB-1232			<2504.9117	<604.1258	D1		4	
☑	PCB-1242			<2504.9117	<604.1258	D1		4	
☑	PCB-1248			<2504.9117	<486.2476	D1		4	
☑	PCB-1254			<2504.9117	<648.3301	D1		4	
☑	PCB-1260	A	9650.210221	2504.9117	574.6562	D1	3.58	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:05:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229538 ACF DF50 03A09 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274A
Result file : 25PCBS17309003.070.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 33.74486
%SSR(DCB) : 113% (48-164) Conc.: 30.2482

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**39.23**	
3.29	3.32	3.33	37053.15	767.299019			1
3.51	3.53	3.55	38931.77	803.74233			2
+ 3.51	3.55	3.55	31467.72	649.647796			2
3.63	3.65	3.67	95478.67	1579.810885			3
3.86	3.88	3.90	115689.4	1880.53053			4
3.92	3.93	3.96	67098.52	1239.834115			5
4.12	4.13	4.15	79682.88	2064.413165			6
Height Summation:			**433934.39**				
Amount Avg CF:			**1389.271674**	Linear:			
Aroclor-1221					**3**	**27.67**	
3.19	3.21	3.23	16334.09	705.732986			1
3.25	3.27	3.29	8116.817	397.252359			2
3.30	3.32	3.34	37053.15	577.35222			3
Height Summation:			**61504.057**				
Amount Avg CF:			**560.112521**	Linear:			
Aroclor-1232					**6**	**51.29**	
3.30	3.32	3.34	37053.15	712.226826			1
3.51	3.53	3.55	38931.77	1800.419579			2
+ 3.51	3.55	3.55	31467.72	1455.240776			2
3.63	3.65	3.67	95478.67	3576.222338			3
3.86	3.88	3.90	115689.4	4179.751265			4
3.92	3.93	3.96	67098.52	2916.336042			5
4.12	4.13	4.16	79682.88	4874.928329			6
Height Summation:			**433934.39**				
Amount Avg CF:			**3009.98073**	Linear:			
Aroclor-1242					**6**	**37.73**	
3.30	3.32	3.34	37053.15	972.225565			1
3.51	3.53	3.55	38931.77	1040.217518			2
+ 3.51	3.55	3.55	31467.72	840.785651			2
3.63	3.65	3.67	95478.67	2104.094699			3
3.86	3.88	3.90	115689.4	2367.051749			4
3.92	3.93	3.96	67098.52	1664.905294			5
4.12	4.13	4.16	79682.88	2556.493431			6
Height Summation:			**433934.39**				
Amount Avg CF:			**1784.164709**	Linear:			
Aroclor-1248					**6**	**66.90**	
3.85	3.88	3.89	115689.4	3669.878259			1
3.92	3.93	3.96	67098.52	2247.926267			2
3.98	4.00	4.02	136373.7	2683.983219			3
4.21	4.22	4.25	112431.4	2388.101685			4
4.39	4.39	4.43	287401.1	5524.665236			5
+ 4.39	4.41	4.43	77221.06	1484.408047			5
4.53	4.55	4.57	499989.6	9861.219448			6
Height Summation:			**1218983.72**				
Amount Avg CF:			**4395.962352**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274B
Result file : 25PCBS17309003B.070.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 92% (61-152) Conc.: 27.6117
%SSR(DCB) : 114% (48-164) Conc.: 30.43966

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**95.45**	
+ 3.05	3.07	3.09	29045.97	346.241469			1
3.05	3.08	3.09	44387.37	529.11809			1
3.38	3.40	3.42	139698	1448.732312			2
3.58	3.58	3.62	84197.38	986.870985			3
+ 3.58	3.60	3.62	16765.83	196.510998			3
+ 3.58	3.61	3.62	66607.84	780.705346			3
3.66	3.68	3.70	111407.7	1184.297272			4
3.72	3.73	3.76	414600.3	5648.866876			5
+ 3.72	3.75	3.76	264416.7	3602.637861			5
3.83	3.84	3.87	142703.2	1950.161719			6
Height Summation:			**936993.95**				
Amount Avg CF:			**1958.007876**	Linear:			
Aroclor-1221					**3**	**33.26**	
2.93	2.95	2.97	30144.61	663.988101			1
+ 2.99	3.00	3.03	6060.56	228.772987			2
2.99	3.02	3.03	10281.09	388.088834			2
+ 3.05	3.07	3.09	29045.97	253.378716			3
3.05	3.08	3.09	44387.37	387.20741			3
Height Summation:			**84813.07**				
Amount Avg CF:			**479.761448**	Linear:			
Aroclor-1232					**6**	**113.87**	
+ 3.05	3.07	3.09	29045.97	316.94331			1
3.05	3.08	3.09	44387.37	484.345332			1
3.38	3.40	3.42	139698	3347.632439			2
3.58	3.58	3.62	84197.38	1997.172422			3
+ 3.58	3.60	3.62	16765.83	397.687592			3
+ 3.58	3.61	3.62	66607.84	1579.946326			3
3.66	3.68	3.70	111407.7	2762.134815			4
E 3.71	3.73	3.75	414600.3	15696.170139			5
E+ 3.71	3.75	3.75	264416.7	10010.435378			5
3.82	3.84	3.86	142703.2	4714.530513			6
Height Summation:			**936993.95**				
Amount Avg CF:			**4833.664277**	Linear:			
Aroclor-1242					**6**	**103.77**	
+ 3.05	3.07	3.09	29045.97	439.045583			1
3.05	3.08	3.09	44387.37	670.939161			1
3.38	3.40	3.42	139698	1911.776599			2
3.58	3.58	3.62	84197.38	1153.061285			3
+ 3.58	3.60	3.62	16765.83	229.603694			3
+ 3.58	3.61	3.62	66607.84	912.177096			3
3.66	3.68	3.70	111407.7	1502.267987			4
3.71	3.73	3.75	414600.3	7985.675488			5
+ 3.71	3.75	3.75	264416.7	5092.967757			5
3.83	3.84	3.87	142703.2	2406.758442			6
Height Summation:			**936993.95**				
Amount Avg CF:			**2605.079827**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229538** ACF DF50 03A09 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274A
Result file : 25PCBS17309003.070.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.59	
4.73	4.75	4.77	156886.2	2715.037572			1
+ 4.73	4.77	4.77	38756.29	670.707707			1
4.79	4.81	4.83	552594.8	4786.336179			2
4.92	4.94	4.96	716776.6	20255.798102			3
5.01	5.03	5.05	324091.3	4116.802817			4
5.22	5.24	5.26	531316.8	7995.115108			5
5.33	5.35	5.37	1224932	15216.000285			6
Height Summation:			**3506597.7**				
Amount Avg CF:			**9180.848344**	Linear:			
Aroclor-1260					6	11.65	
4.92	4.94	4.96	716776.6	8869.216074			1
5.12	5.14	5.16	804761.7	10428.825458			2
+ 5.12	5.16	5.16	131336	1701.969938			2
5.33	5.35	5.37	1224932	11277.947799			3
+ 5.56	5.56	5.60	57729.02	984.813067			4
5.56	5.58	5.60	475249	8107.385601			4
5.80	5.82	5.84	1514137	9801.208691			5
6.00	6.02	6.04	879428.4	9416.677704			6
Height Summation:			**5615284.7**				
Amount Avg CF:			**9650.210221**	Linear:			
Aroclor-1262					6	44.44	
5.40	5.42	5.44	462350.5	4561.65388			1
5.56	5.58	5.60	475249	5546.973501			2
5.80	5.82	5.84	1514137	7774.145793			3
6.00	6.02	6.04	879428.4	7092.407831			4
+ 6.06	6.06	6.10	62534.9	1046.672984			5
6.06	6.07	6.10	70275.04	1176.22297			5
6.44	6.45	6.48	401819	5180.869559			6
Height Summation:			**3803258.94**				
Amount Avg CF:			**5222.045589**	Linear:			
Aroclor-1268					6	102.75	
6.00	6.02	6.04	879428.4	4147.344172			1
+ 6.06	6.06	6.10	62534.9	346.086843			2
6.06	6.07	6.10	70275.04	388.923093			2
6.19	6.21	6.23	6136.912	35.918738			3
+ 6.26	6.27	6.30	26725.76	565.422256			4
6.26	6.30	6.30	178364.3	3773.555736			4
6.44	6.45	6.48	401819	5231.918409			5
6.64	6.66	6.68	87903.16	143.813296			6
Height Summation:			**1623926.812**				
Amount Avg CF:			**2286.91224**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274B
Result file : 25PCBS17309003B.070.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	48.91	
3.58	3.58	3.62	84197.38	2028.970282			1
+ 3.58	3.60	3.62	16765.83	404.019351			1
+ 3.58	3.61	3.62	66607.84	1605.101345			1
3.66	3.68	3.70	111407.7	2071.563412			2
3.69	3.71	3.73	221141.8	2568.102087			3
3.82	3.84	3.86	142703.2	1411.561878			4
3.92	3.92	3.96	126046.4	1813.150825			5
+ 3.92	3.94	3.96	49035.4	705.363866			5
+ 3.92	3.95	3.96	15487.7	222.787291			5
4.06	4.08	4.10	639513.8	4754.645913			6
Height Summation:			**1325010.28**				
Amount Avg CF:			**2441.332399**	Linear:			
Aroclor-1254					6	77.36	
4.38	4.40	4.42	344251.1	3546.605745			1
4.45	4.46	4.49	734626.7	4152.960515			2
4.54	4.56	4.58	1221848	15849.156725			3
4.62	4.63	4.66	393501.5	3329.359506			4
4.85	4.87	4.89	301427.7	3690.64205			5
4.93	4.95	4.97	1572414	12865.244378			6
Height Summation:			**4568069**				
Amount Avg CF:			**7238.99482**	Linear:			
Aroclor-1260					6	11.82	
4.69	4.70	4.72	1475064	10192.763988			1
4.80	4.81	4.84	1098556	8592.781484			2
4.93	4.95	4.97	1572414	11041.332939			3
5.16	5.18	5.20	757497.8	8069.207977			4
5.35	5.37	5.39	1898854	9071.662792			5
5.61	5.63	5.65	1279881	8897.755603			6
Height Summation:			**8082266.8**				
Amount Avg CF:			**9310.917464**	Linear:			
Aroclor-1262					6	28.80	
4.96	4.98	5.00	538801.9	3741.717968			1
5.16	5.18	5.20	757497.8	4995.034554			2
5.35	5.37	5.39	1898854	6330.220721			3
5.57	5.58	5.61	322287	2898.957652			4
5.61	5.63	5.65	1279881	6258.562679			5
5.99	6.00	6.03	478869.9	4371.755674			6
Height Summation:			**5276191.6**				
Amount Avg CF:			**4766.041541**	Linear:			
Aroclor-1268					6	119.90	
5.57	5.58	5.61	322287	1044.702143			1
5.61	5.63	5.65	1279881	4263.988897			2
5.77	5.78	5.81	27827.69	112.090357			3
+ 5.84	5.85	5.88	6846.199	107.977782			4
5.84	5.87	5.88	23368.89	368.572534			4
5.99	6.00	6.03	478869.9	4486.215195			5
6.19	6.20	6.23	101381.5	116.370891			6
Height Summation:			**2233615.98**				
Amount Avg CF:			**1731.990003**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229538 ACF DF50 03A09 Sample ID: AC **Batchnumber: 172830025A**
Sample Amount: 10.18 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274A
Result file : 25PCBS17309003.070.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 08:07:24
Instrument : CP25--18274B
Result file : 25PCBS17309003B.070.RAW
Calibration file : 25PCBS1730901B.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			2504.9115	486.2475		33.98	4	40	
Aroclor-1221			2504.9115	751.4734		15.45	3	5	
Aroclor-1232			2504.9115	604.1257		** 46.50	4	10	
Aroclor-1242			2504.9115	604.1257		37.41	4	30	
Aroclor-1248			2504.9115	486.2475		** 57.18	4	40	
Aroclor-1254			2504.9115	648.33		23.65	4	40	
Aroclor-1260			2504.9115	574.6562		3.58	4	40	
Aroclor-1262			2504.9115	486.2475		9.13	4	40	
Aroclor-1268			2504.9115	486.2475		27.62	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 8:07:24 AM 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: 25pcbs17309003.070.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.027		2132	2077
2.08		673	454
2.098		2270	1435
2.139		467	233
2.165		7220	7001
2.211		4210	5882
2.26		1461	1507
2.287		1742	1113
2.326		31131	29345
2.436		12113	9135
2.464		1390	1016
2.499		821	603
2.514		1437	856
2.548		2068	1863
2.57		619	304
2.614		1295	1251
2.648		1238	1144
2.674		794	496
2.698		7471	6034
2.727		761	396
2.758		4455	2558
2.779		31779	21127
2.847		918	581
2.873		765	496
2.897		784	494
2.926		1557	1726
2.956		1457	866
3		689	720
3.025		524	271
3.058	TCX	94708	73564
3.144		1050	846
3.18		308	126
3.211		16334	14747
3.268		8117	7540
3.315		37053	28439
3.381		45338	34660
3.412		32846	23297
3.451		1271	947
3.49		1038	1078
3.51		319	98
3.533		38932	23167
3.551		31468	22605
3.588		2706	1341
3.605		27587	18004
3.651		95479	67522
3.701		4814	4450
3.725		63028	44490
3.762		3987	2510
3.778		2805	1450
3.801		1209	718
3.843		76988	98566
3.88		115689	104512
3.935		67099	51347
3.978		25450	19600

RT A	Compound A	Height A	Area A
4.005		136374	102416
4.041		76097	105451
4.056		101799	56356
4.114		448	218
4.135		79683	57024
4.161		43616	30531
4.192		79524	57198
4.22		112431	126097
4.271		31751	25759
4.301		13407	9110
4.318		2188	1143
4.353		80228	63363
4.376		6454	4612
4.393		287401	209694
4.414		77221	43961
4.44		171996	141646
4.508		117568	100442
4.551		499990	489022
4.587		183608	150542
4.63		24925	18021
4.653		31274	23534
4.695		240677	242054
4.751		156886	118546
4.767		38756	35521
4.814		552595	493263
4.861		292848	352541
4.901		115363	81927
4.94		716777	667762
4.989		60696	61719
5.034		324091	328594
5.067		18171	12034
5.091		166542	144070
5.144		804762	655392
5.162		131336	77064
5.195		165314	147359
5.236		531317	538971
5.279		38167	24655
5.316		114419	138693
5.351		1224932	1101251
5.374		48553	25707
5.392		24505	10802
5.415		462351	403941
5.458		337346	315998
5.514		636	206
5.56		57729	58190
5.579		475249	377568
5.637		302228	269909
5.676		180281	173640
5.718		33740	32949
5.76		235751	215146
5.787		31493	20053
5.816		1514137	1433818
5.9		1388	1293
5.931		2222	1756
5.972		713	875
6.023		879428	862999
6.062		62535	91108
6.075		70275	52905
6.191		7202	5060
6.209		6137	4910
6.242		1176	690
6.27		26726	20806
6.296		178364	159445
6.36		4604	4740
6.421		4314	3027
6.451		401819	372980

RT A	Compound A	Height A	Area A
6.498		26606	23915
6.594		783	1077
6.655		87903	81536
6.694		5773	4862
6.737		426	358
6.752		548	192
6.771		552	348
6.805	DCB	51706	46667
6.828		4567	2983
6.883		2704	2282
6.98		945	1205

LANCASTER LABORATORIES

Sample Number: 9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 8:07:24 AM 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: 25pcbs17309003B.070.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.023		8729	8447
2.05		8560	5366
2.068		19489	14530
2.107		56729	98791
2.197		8776	7031
2.221		9361	9582
2.254		14040	21633
2.316		8812	11172
2.342		7230	4779
2.367		4694	2564
2.385		8277	4330
2.403		2214	1126
2.42		5607	2782
2.449		3700	3395
2.466		11888	18013
2.524		58680	48832
2.571		7790	5319
2.603		3804	4362
2.621		7905	6073
2.65		8649	11727
2.701		16793	19248
2.728		7845	8004
2.757		3757	2107
2.78	TCX	137048	89718
2.826		35251	31598
2.868		8041	7926
2.928		2409	1297
2.954		30145	20151
2.975		5134	3135
3.001		6061	5793
3.016		10281	5390
3.039		3129	1868
3.07		29046	14079
3.081		44387	19077
3.121		4865	3713
3.141		4787	3042
3.164		3176	2519
3.183		50641	35168
3.212		2185	1335
3.245		946	802
3.251		1317	547
3.278		44015	21947
3.29		33350	16953
3.331		5895	2865
3.353		48560	33864
3.404		139698	111384
3.439		100826	63291
3.46		1348	685
3.494		18667	20624
3.517		469	110
3.534		1927	1191
3.553		6197	3584
3.564		68299	34147
3.583		84197	44161

RT B	Compound B	Height B	Area B
3.599		16766	7857
3.613		66608	43995
3.676		111408	80566
3.708		221142	131275
3.733		414600	240949
3.751		264417	142855
3.77		19931	10089
3.818		2725	1186
3.843		142703	100929
3.868		71310	41863
3.89		130990	95299
3.923		126046	74310
3.939		49035	23642
3.955		15488	7119
3.982		43037	40188
4.032		102699	114872
4.057		18158	11092
4.08		639514	438946
4.106		143720	90371
4.128		115947	65843
4.146		172185	107623
4.184		715532	535996
4.218		272628	191084
4.239		145669	85990
4.259		38226	22413
4.302		45204	39668
4.337		227105	273332
4.359		12486	17182
4.399		344251	264154
4.446		67093	72089
4.463		734627	795680
4.504		212609	216729
4.559		1221849	1057995
4.6		100571	98880
4.632		393502	292637
4.657		305177	222445
4.701		1475064	1228800
4.759		44451	33771
4.811		1098556	1048627
4.865		301428	285604
4.907		327433	295706
4.946		1572414	1377148
4.979		538802	384379
5.02		426141	347059
5.087		10644	11862
5.124		135463	175717
5.176		757498	601385
5.2		226870	159743
5.251		456762	407353
5.286		225093	176382
5.313		143176	116883
5.346		91572	57619
5.367		1898854	1513298
5.409		38535	28775
5.445		62402	52184
5.484		3305	2667
5.559		16578	10171
5.583		322287	280117
5.627		1279881	1313698
5.721		1806	2374
5.782		27828	25895
5.825		43327	34250
5.852		6846	4094
5.872		23369	15619
5.901		207935	175482
5.94		2793	2135

RT B	Compound B	Height B	Area B
5.978		4241	2607
6.004		478870	400309
6.035		31411	23727
6.076		844	275
6.15		845	285
6.205		101382	102286
6.325		1285	996
6.367	DCB	71185	66514
6.401		5492	7628
6.463		1235	840
6.481		936	445
6.542		2901	2183
6.58		17495	14349
6.648		1539	1208
6.677		3400	5855
6.717		2243	1337
6.741		3470	3911
6.803		3327	4000
6.85		6450	8117
6.889		5539	5455
6.943		1626	6448
6.968		1585	1698

9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082

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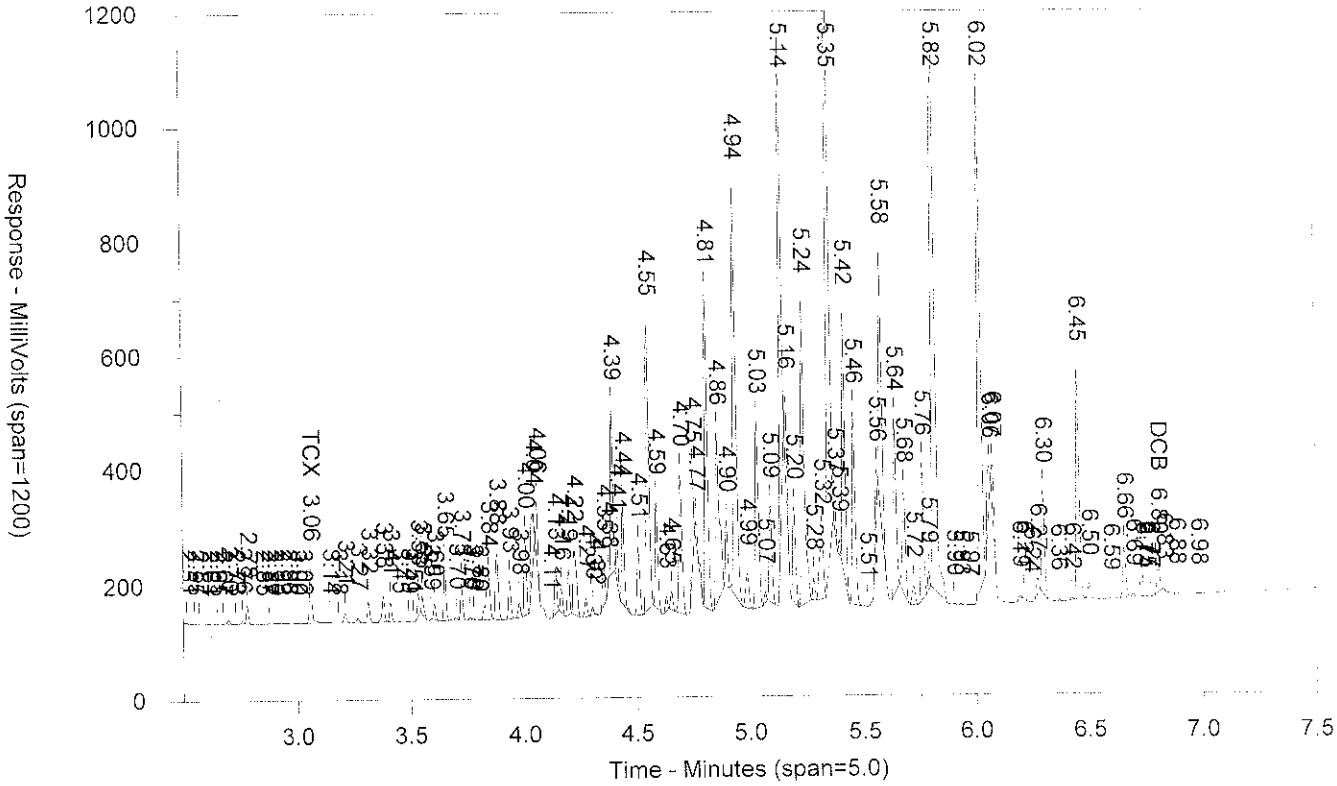

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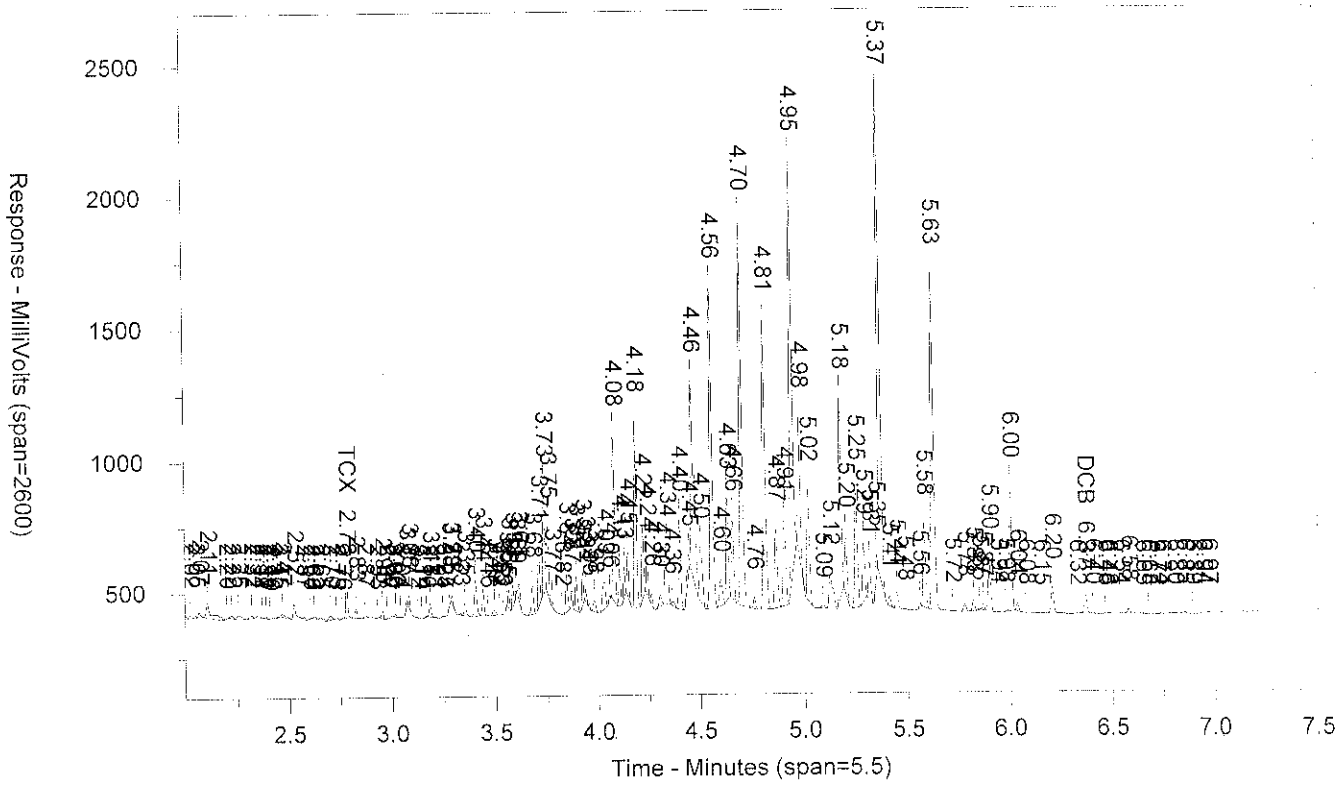

LANCASTER LABORATORIES

Sample Number: 9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 8:07:24 AM Sample Weight: 10.18
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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	94708	33.745	TCX	2.78	137048	27.612	TCX
6.805	51706	30.248	DCB	6.367	71185	30.44	DCB

Files:
Area File: 25pcbs17309003.070.RAW
Area File: 25pcbs17309003B.070.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 8:15:54 AM
File Reported On: 11/14/2017 at.8:16:11 AM

LANCASTER LABORATORIES

Sample Number: 9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 8:07:24 AM Sample Weight: 10.18
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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	94708	33.745	TCX	2.78	137048	27.612	TCX
6.805	51706	30.248	DCB	6.367	71185	30.44	DCB

Files:
Area File: 25pcbs17309003.070.RAW
Area File: 25pcbs17309003B.070.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 8:15:54 AM
File Reported On: 11/14/2017 at 8:16:11 AM

9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082

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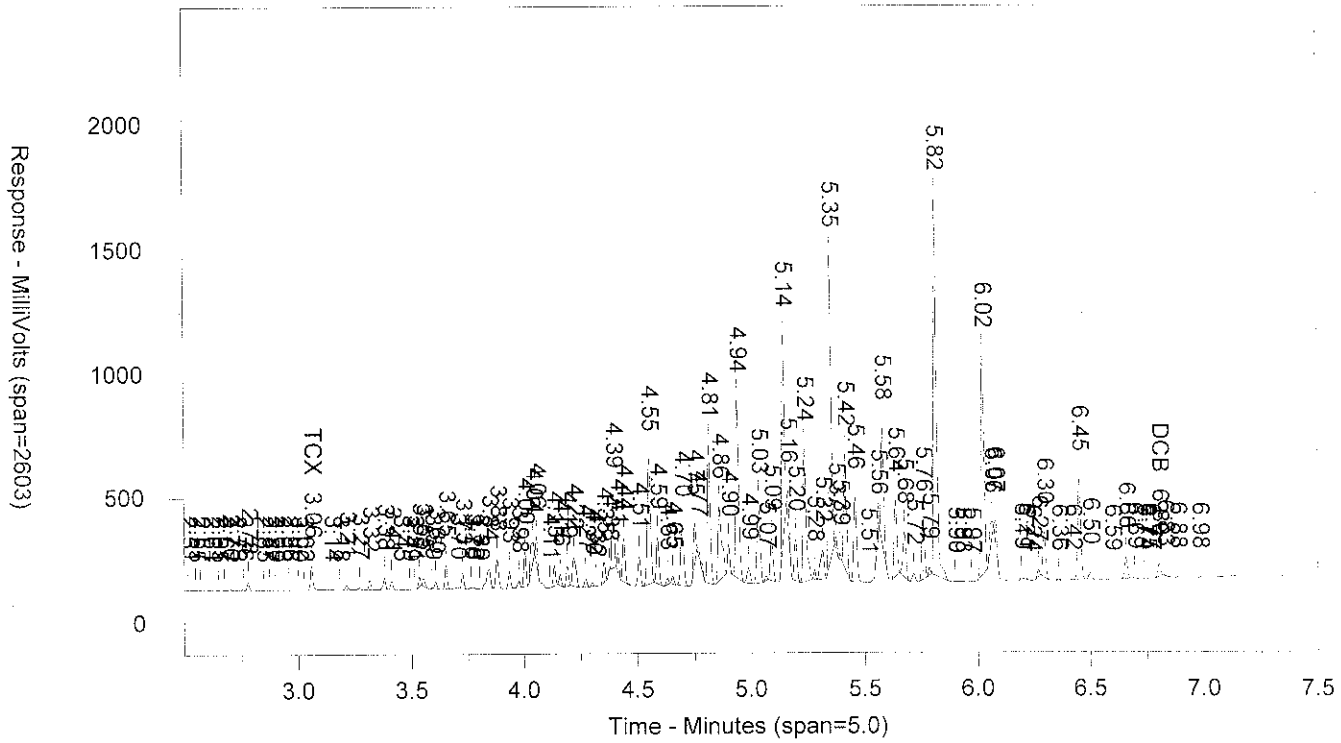

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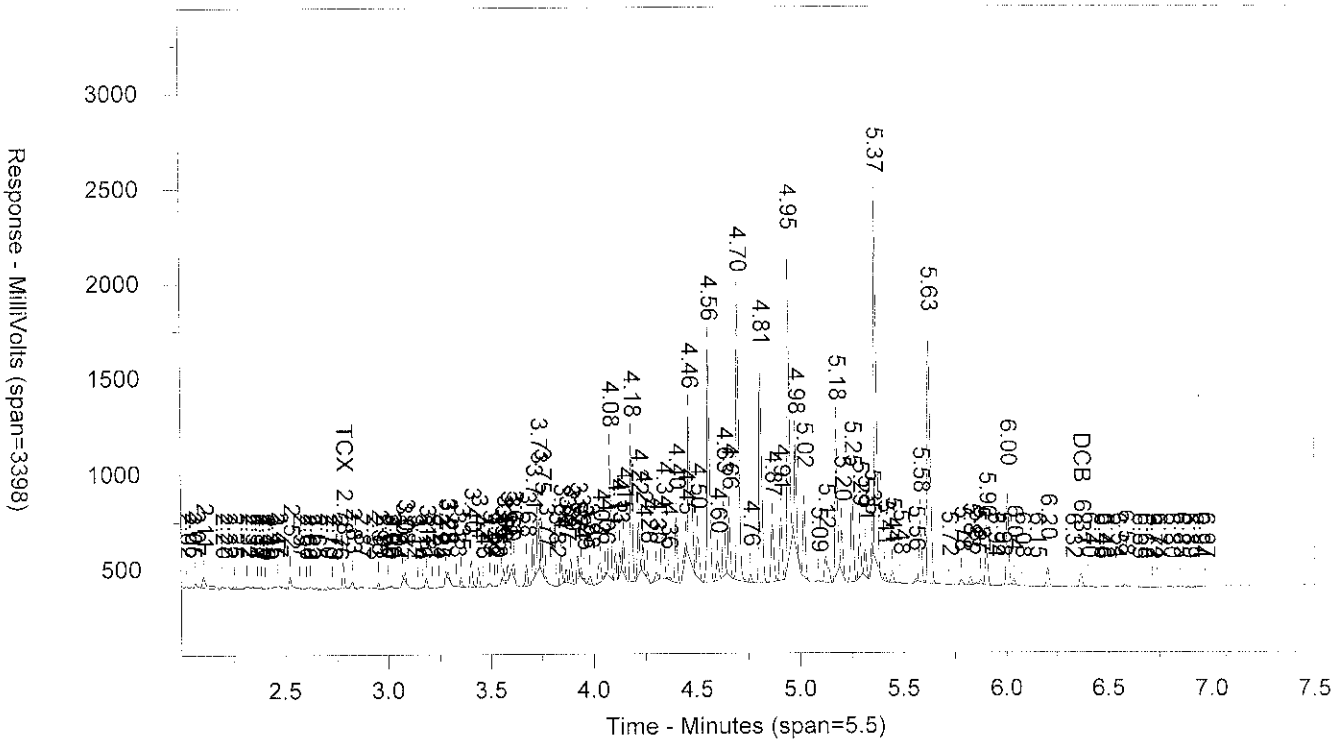

9229538 ACF DF50 AC03A09 T 172830025A 10225 SW-846 8082

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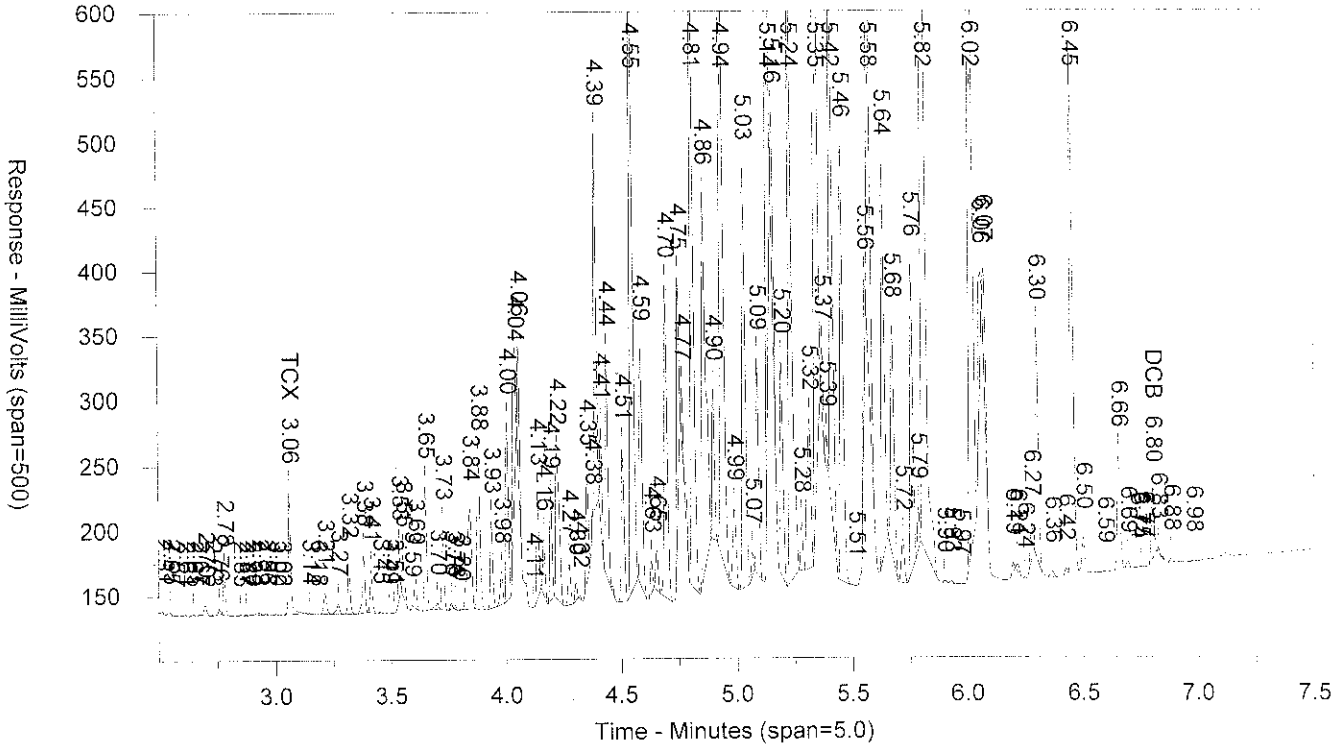

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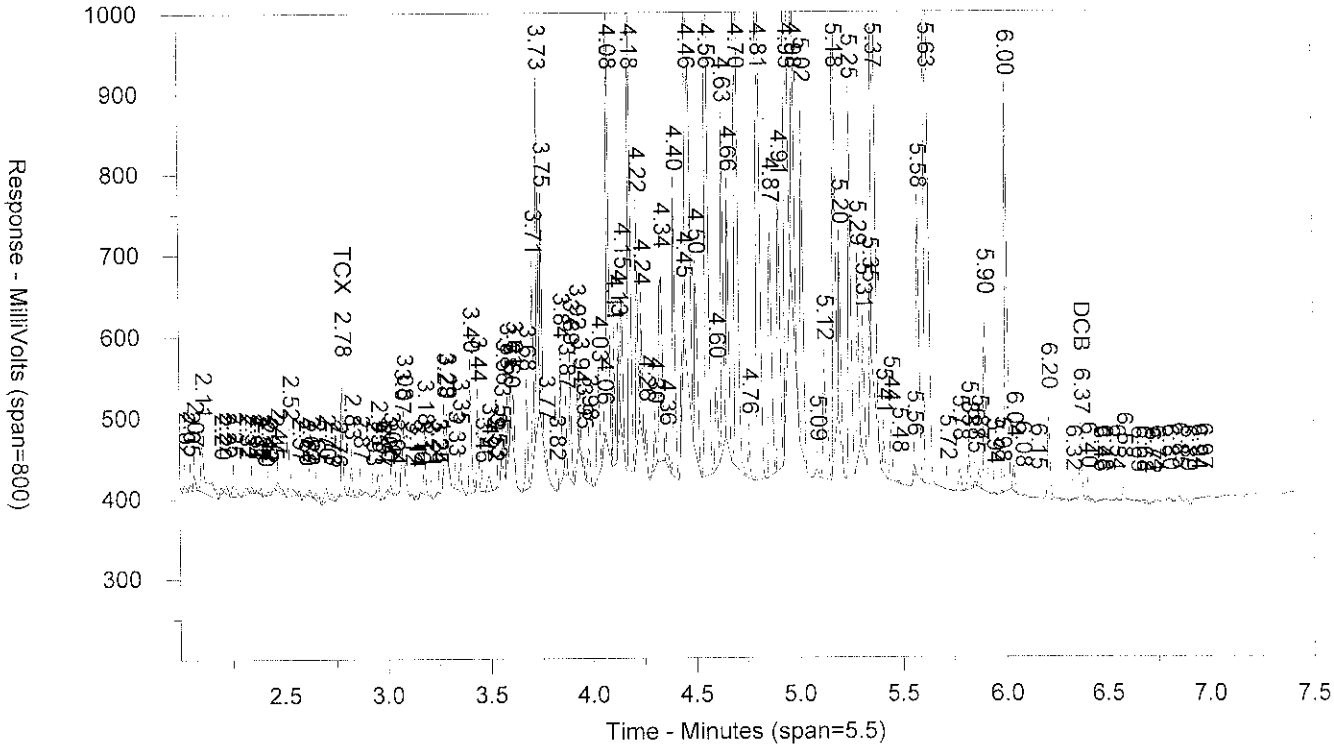

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229539 ACF DF50 03A10 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 11:16:01
Instrument	19843A
Result file	07PCBS17292004.0076.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 64% (61 - 152) Conc: 19.27083
%SSR(DCB) 103% (48 - 164) Conc: 27.66778

Analysis Report (B)

Injected on	Oct 25, 2017 11:16:01
Instrument	19843B
Result file	07PCBS17292004B.0076.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 89% (61 - 152) Conc: 26.88923
%SSR(DCB) 99% (48 - 164) Conc: 26.43914

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	248393	19.27083
Decachlorobiphenyl	6.72	6.75	6.78	143349	27.66778

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	165692	26.88923
Decachlorobiphenyl	6.29	6.32	6.35	123840	26.43914

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	26.88923				33.01	
☑	Tetrachloro-m-xylene-D1	A	19.27083					
☑	Tetrachloro-m-xylene-D2	B	26.88923					
☐	Decachlorobiphenyl	A	27.66778				4.54	
☑	Decachlorobiphenyl-D1	A	27.66778					
☑	Decachlorobiphenyl-D2	B	26.43914					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.40**	
4.88	4.90	4.92	2966375	8225.752737			1
5.29	5.31	5.33	4716548	9952.855523			2
5.36	5.37	5.40	1881437	7844.238233			3
5.52	5.54	5.56	2074001	8357.632476			4
5.76	5.77	5.80	5668179	9601.305827			5
5.96	5.98	6.00	3264197	8994.801675			6

Height summation: **20570737**
Concentration CF: **8829.431079** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.03**	
4.64	4.65	4.68	2726149	9962.358053			1
4.75	4.76	4.78	1989914	8364.489388			2
4.88	4.89	4.92	2805389	10346.068324			3
5.11	5.12	5.15	1364071	7667.142012			4
5.30	5.32	5.34	3801403	9165.258058			5
5.56	5.58	5.60	2450830	8776.349319			6

Height summation: **15137756**
Concentration CF: **9046.944192** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2512.3152	<487.6847	D1		4	
☑	PCB-1221			<2512.3152	<753.6946	D1		3	
☑	PCB-1232			<2512.3152	<605.9113	D1		4	
☑	PCB-1242			<2512.3152	<605.9113	D1		4	
☑	PCB-1248			<2512.3152	<487.6847	D1		4	
☑	PCB-1254			<2512.3152	<650.2463	D1		4	
☑	PCB-1260	A	8829.431079	2512.3152	576.3547	D1	2.43	4	

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:20

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229539** ACF DF50 03A10 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 64% (61-152) Conc.: 19.27083 does
%SSR(DCB) : 103% (48-164) Conc.: 27.66778

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**136.15**	
3.27	3.27	3.31	18846.86	92.702945			1
+ 3.27	3.30	3.31	12824.19	63.078952			1
3.48	3.50	3.52	29966.93	141.837854			2
+ 3.48	3.52	3.52	21224.76	100.459887			2
3.60	3.62	3.64	8652.605	35.516041			3
3.82	3.84	3.86	48685.99	171.585251			4
3.88	3.90	3.92	61862.75	260.727771			5
4.08	4.10	4.12	203915.7	1157.395441			6
Height Summation:			**371930.835**				
Amount Avg CF:			**309.960884**	Linear:			
Aroclor-1221					**3**	**56.48**	
+ 3.16	3.18	3.20	10734.21	103.119893			1
3.16	3.20	3.20	22034.21	211.675138			1
3.22	3.24	3.26	20540.07	228.877235			2
3.27	3.27	3.31	18846.86	58.285799			3
+ 3.27	3.30	3.31	12824.19	39.66009			3
Height Summation:			**61421.14**				
Amount Avg CF:			**166.279391**	Linear:			
Aroclor-1232					**6**	**150.38**	
3.26	3.27	3.30	18846.86	76.098925			1
+ 3.26	3.30	3.30	12824.19	51.780884			1
3.48	3.50	3.52	29966.93	305.646064			2
+ 3.48	3.52	3.52	21224.76	216.480779			2
3.60	3.62	3.64	8652.605	75.795363			3
3.82	3.84	3.86	48685.99	348.600516			4
3.88	3.90	3.92	61862.75	587.892058			5
+ 4.08	4.08	4.12	8841.469	122.626119			6
4.08	4.10	4.12	203915.7	2828.194154			6
Height Summation:			**371930.835**				
Amount Avg CF:			**703.704513**	Linear:			
Aroclor-1242					**6**	**138.66**	
3.27	3.27	3.31	18846.86	108.205434			1
+ 3.27	3.30	3.31	12824.19	73.627493			1
3.48	3.50	3.52	29966.93	170.934724			2
+ 3.48	3.52	3.52	21224.76	121.068408			2
3.60	3.62	3.64	8652.605	42.63382			3
3.82	3.84	3.86	48685.99	199.084691			4
3.88	3.90	3.92	61862.75	337.494045			5
4.08	4.10	4.12	203915.7	1463.364404			6
Height Summation:			**371930.835**				
Amount Avg CF:			**386.952853**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 89% (61-152) Conc.: 26.88923
%SSR(DCB) : 99% (48-164) Conc.: 26.43914

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**100.41**	
3.02	3.05	3.06	274415.7	2523.272887			1
3.35	3.37	3.39	24983.66	189.535594			2
+ 3.54	3.55	3.58	4469.29	33.996079			3
3.54	3.56	3.58	19105.44	145.327345			3
3.62	3.63	3.66	36343.96	265.80759			4
3.68	3.69	3.72	115853.1	1122.825752			5
+ 3.68	3.71	3.72	20544.29	199.11127			5
3.79	3.80	3.83	150399	1311.651943			6
+ 3.79	3.83	3.83	25126.76	219.134194			6
Height Summation:			**621100.86**				
Amount Avg CF:			**926.403518**	Linear:			
Aroclor-1221					**3**	**132.92**	
2.90	2.91	2.94	4916.911	77.048546			1
2.96	2.97	3.00	8829.45	239.377608			2
3.02	3.05	3.06	274415.7	1696.650585			3
Height Summation:			**288162.061**				
Amount Avg CF:			**671.025579**	Linear:			
Aroclor-1232					**6**	**83.14**	
3.02	3.05	3.06	274415.7	2145.195516			1
3.35	3.37	3.39	24983.66	407.501026			2
+ 3.54	3.55	3.58	4469.29	71.328686			3
3.54	3.56	3.58	19105.44	304.917767			3
3.62	3.63	3.66	36343.96	609.397237			4
3.68	3.69	3.72	115853.1	3039.01676			5
+ 3.68	3.71	3.72	20544.29	538.91041			5
3.79	3.80	3.83	150399	3227.584012			6
Height Summation:			**621100.86**				
Amount Avg CF:			**1622.26872**	Linear:			
Aroclor-1242					**6**	**97.88**	
3.02	3.05	3.06	274415.7	2933.095908			1
3.35	3.37	3.39	24983.66	224.167303			2
+ 3.54	3.55	3.58	4469.29	38.6175			3
3.54	3.56	3.58	19105.44	165.083119			3
3.62	3.63	3.66	36343.96	327.832043			4
3.68	3.69	3.72	115853.1	1447.101997			5
+ 3.68	3.71	3.72	20544.29	256.615344			5
3.79	3.80	3.83	150399	1597.410503			6
+ 3.79	3.83	3.83	25126.76	266.875114			6
Height Summation:			**621100.86**				
Amount Avg CF:			**1115.781812**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229539** ACF DF50 03A10 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	123.23	
3.82	3.84	3.86	48685.99	312.750273			1
3.88	3.90	3.92	61862.75	475.512338			2
3.95	3.97	3.99	327226.1	1475.556534			3
4.08	4.10	4.12	203915.7	821.67765			4
4.17	4.19	4.21	126761.4	612.611253			5
4.36	4.36	4.40	994913.8	5004.619611			6
+ 4.36	4.38	4.40	182623.3	918.632497			6
Height Summation:			**1763365.74**				
Amount Avg CF:			**1450.45461**	Linear:			
Aroclor-1254					6	88.74	
4.69	4.71	4.73	397149.1	1636.149602			1
+ 4.69	4.73	4.73	186659.5	768.987936			1
4.76	4.78	4.80	1487307	3090.693374			2
4.88	4.90	4.92	2966375	20244.121222			3
4.97	4.99	5.01	962679.4	3066.346376			4
5.17	5.20	5.21	1994847	8126.535124			5
5.29	5.31	5.33	4716548	15053.661653			6
Height Summation:			**12524905.5**				
Amount Avg CF:			**8536.251225**	Linear:			
Aroclor-1260					6	9.40	
4.88	4.90	4.92	2966375	8225.752737			1
5.29	5.31	5.33	4716548	9952.855523			2
5.36	5.37	5.40	1881437	7844.238233			3
5.52	5.54	5.56	2074001	8357.632476			4
5.76	5.77	5.80	5668179	9601.305827			5
5.96	5.98	6.00	3264197	8994.801675			6
Height Summation:			**20570737**				
Amount Avg CF:			**8829.431078**	Linear:			
Aroclor-1262					6	47.23	
5.35	5.37	5.39	1881437	4851.946484			1
5.52	5.54	5.56	2074001	6217.075169			2
5.75	5.77	5.79	5668179	8146.398264			3
5.96	5.98	6.00	3264197	7230.285725			4
+ 6.01	6.03	6.05	29587.45	138.892346			5
6.01	6.03	6.05	180737.9	848.437796			5
6.38	6.40	6.42	1198064	5160.8017			6
Height Summation:			**14266615.9**				
Amount Avg CF:			**5409.157523**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	112.18	
+ 3.54	3.55	3.58	4469.29	69.427655			1
3.54	3.56	3.58	19105.44	296.791188			1
3.62	3.63	3.66	36343.96	465.459271			2
3.68	3.69	3.72	115853.1	1008.814411			3
+ 3.68	3.71	3.72	20544.29	178.89358			3
3.79	3.80	3.83	150399	944.222502			4
3.88	3.90	3.92	71861.42	746.090333			5
4.02	4.04	4.06	818634.6	4080.504973			6
Height Summation:			**1212197.52**				
Amount Avg CF:			**1256.980446**	Linear:			
Aroclor-1254					6	92.29	
4.34	4.35	4.38	437665.2	2591.718698			1
4.40	4.41	4.44	419266.1	1430.337847			2
+ 4.40	4.43	4.44	299708.8	1022.464825			2
4.50	4.51	4.54	2014156	14206.04915			3
4.57	4.58	4.61	497559	2739.841875			4
4.64	4.65	4.68	2726149	23606.946596			5
4.88	4.89	4.92	2805389	12968.933148			6
Height Summation:			**8900184.3**				
Amount Avg CF:			**9590.637886**	Linear:			
Aroclor-1260					6	11.03	
4.64	4.65	4.68	2726149	9962.358053			1
4.75	4.76	4.78	1989914	8364.489388			2
4.88	4.89	4.92	2805389	10346.068324			3
5.11	5.12	5.15	1364071	7667.142012			4
+ 5.11	5.15	5.15	239759.3	1347.634105			4
5.30	5.32	5.34	3801403	9165.258058			5
5.56	5.58	5.60	2450830	8776.349319			6
Height Summation:			**15137756**				
Amount Avg CF:			**9046.944192**	Linear:			
Aroclor-1262					6	32.97	
4.91	4.93	4.95	1015286	3953.563052			1
5.11	5.12	5.15	1364071	5060.142331			2
+ 5.11	5.15	5.15	239759.3	889.408384			2
5.30	5.32	5.34	3801403	7556.883601			3
5.52	5.53	5.56	607604.6	3143.811433			4
5.56	5.58	5.60	2450830	7025.637485			5
5.94	5.95	5.98	902467.1	4702.796266			6
Height Summation:			**10141661.7**				
Amount Avg CF:			**5240.472361**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229539** ACF DF50 03A10 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**134.98**	
5.96	5.98	5.99	3264197	3882.248891			1
+ 6.01	6.01	6.05	77682.73	107.847116			2
+ 6.01	6.03	6.05	29587.45	41.076326			2
6.01	6.03	6.05	180737.9	250.91885			2
6.15	6.15	6.19	26353.76	39.707911			3
+ 6.15	6.17	6.19	24395.3	36.757047			3
6.21	6.22	6.25	79059.53	445.288829			4
6.38	6.40	6.42	1198064	4574.992832			5
6.58	6.61	6.62	210367.4	103.616683			6

Height Summation: **4958779.59**
Amount Avg CF: **1549.462333** Linear:

Analysis Report (B)

Injected on : Oct 25, 2017 11:16:01
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**124.55**	
5.52	5.53	5.56	607604.6	1008.37862			1
5.56	5.58	5.60	2450830	3995.569381			2
5.72	5.73	5.76	50602.77	96.382036			3
+ 5.79	5.80	5.82	13504.27	98.378869			4
5.79	5.82	5.82	19078.55	138.987607			4
5.94	5.95	5.98	902467.1	4298.409885			5
6.14	6.16	6.18	174548.1	100.493321			6

Height Summation: **4205131.12**
Amount Avg CF: **1606.370142** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2512.3155	487.6848		** 99.72	4	40	
Aroclor-1221			2512.3155	753.6946		** 120.56	3	40	
Aroclor-1232			2512.3155	605.9114		** 78.98	4	40	
Aroclor-1242			2512.3155	605.9114		** 97.00	4	40	
Aroclor-1248			2512.3155	487.6848		14.29	4	40	
Aroclor-1254			2512.3155	650.2464		11.63	4	40	
Aroclor-1260			2512.3155	576.3547		2.43	4	40	
Aroclor-1262			2512.3155	487.6848		3.17	4	40	
Aroclor-1268			2512.3155	487.6848		3.61	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:16:01 AM 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: 07pcbs17292004.0076.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.51		28042	20375
1.532		20366	14006
1.557		25923	25517
1.601		104025	257887
1.659		173275	213587
1.706		84440	152291
1.733		70640	78170
1.764		63636	68597
1.787		16918	11661
1.81		85627	105042
1.831		72129	74363
1.851		37781	21441
1.861		38598	28600
1.878		35604	24435
1.892		41836	27185
1.911		44801	32548
1.936		39249	44066
1.961		38052	35511
1.976		36569	28727
2.002		52617	39493
2.02		60595	51615
2.041		16610	12890
2.071		29064	18313
2.087		71860	94409
2.134		94339	136696
2.194		90509	194340
2.216		72380	59308
2.233		82424	123772
2.26		68735	78079
2.292		242712	192154
2.31		63275	43200
2.322		63952	46399
2.365		54992	75502
2.403		82972	98186
2.434		22363	10713
2.482		90423	178693
2.539		62767	108339
2.579		53356	86537
2.606		40778	30091
2.631		14648	5989
2.647		21185	10586
2.663		31314	24710
2.701		42932	30589
2.727		65438	58617
2.748		190521	127274
2.801		50434	75708
2.834		61861	48175
2.861		46350	38705
2.886		22276	9539
2.902		42000	30202
2.932		15068	13120
2.979		45082	45891
3.005		18905	7573

RT A	Compound A	Height A	Area A
3.029	TCX	248393	172097
3.048		4294	1651
3.06		5426	2004
3.08		24566	16531
3.101		36293	45350
3.152		12177	17315
3.181		10734	6896
3.197		22034	10911
3.217		17152	13070
3.242		20540	10115
3.258		12545	5452
3.274		18847	14205
3.295		12824	5701
3.31		12245	4762
3.352		422058	296588
3.375		18544	14045
3.403		10449	7310
3.431		10468	6184
3.456		22570	18538
3.479		21160	14496
3.503		29967	18978
3.519		21225	11535
3.539		5112	2329
3.548		5880	2051
3.571		14596	10037
3.591		13861	11643
3.617		8653	5146
3.646		9786	5307
3.669		13319	14729
3.693		14372	7953
3.717		14210	13346
3.749		12786	12873
3.791		22098	11707
3.803		36184	18832
3.843		48686	42907
3.903		61863	92927
3.948		33992	25885
3.972		327226	233923
4		139045	163884
4.052		13989	9770
4.079		8841	5180
4.101		203916	144417
4.126		45119	28910
4.158		43194	29527
4.194		126761	140237
4.234		33354	26751
4.266		33081	44966
4.301		12154	8434
4.323		35310	30396
4.358		994914	706014
4.377		182623	101985
4.403		208623	175899
4.472		243882	236936
4.516		1568721	1427043
4.551		297904	231999
4.592		13808	9043
4.616		51926	40798
4.659		350084	335540
4.712		397149	290585
4.729		186660	144904
4.775		1487307	1293874
4.823		1117181	1263251
4.861		362058	270847
4.902		2966375	2698903
4.95		88355	75400
4.002		962679	918571

RT A	Compound A	Height A	Area A
5.024		35732	22433
5.051		578056	520196
5.104		4093233	4821871
5.155		592185	520547
5.196		1994847	1992121
5.238		62709	39220
5.276		360454	423061
5.311		4716548	4202471
5.334		203095	98336
5.352		77921	32157
5.375		1881437	1657977
5.418		1309379	1255374
5.465		9972	6726
5.517		374986	307852
5.538		2074001	1639223
5.595		1135270	985082
5.635		661966	634940
5.676		106975	117614
5.718		798647	717103
5.747		55117	35086
5.775		5668179	5554147
5.861		5365	5595
5.913		3723	3435
5.942		2240	1114
5.98		3264197	3067907
6.014		77683	95240
6.027		29587	19232
6.034		180738	113108
6.127		1454	751
6.148		26354	20032
6.168		24395	17932
6.224		79060	60528
6.251		521912	455735
6.315		11439	10486
6.375		4396	2512
6.405		1198064	1122286
6.451		62571	53581
6.477		8850	5663
6.506		2276	1209
6.52		2796	1193
6.545		4438	4500
6.605		210367	200233
6.658		10470	17411
6.721		2947	1188
6.752	DCB	143349	150332
6.824		4522	4238
6.876		3904	7597
6.959		2239	771
6.999		1761	739
7.025		1807	2507
7.117		1287	519
7.16		1572	535
7.24		1526	2230
7.305		12110	26777
7.348		1270	646
7.465		1225	577
7.509		1600	753
7.555		2533	3283
7.597		1356	574
7.708		3868	9417
7.844		1389	1052
7.978		3223	5064
8.024		1601	966
8.097		4214	12418
8.23		3842	4765
8.307		1334	814

RT A	Compound A	Height A	Area A
8.42		2478	4327
8.515		1466	1726
8.67		1431	650

LANCASTER LABORATORIES

Sample Number: 9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:16:01 AM 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, 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: 07pcbs17292004B.0076.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.585		19459	18271
1.598		24848	24406
1.637		11040	11435
1.689		10601	12799
1.716		9292	8560
1.76		12869	22340
1.788		12362	11403
1.823		13719	17376
1.848		11669	11997
1.882		13698	14261
1.908		22346	33949
1.951		16366	22154
1.995		17098	20054
2.019		12044	8092
2.041		19613	16829
2.076		125223	95992
2.125		13711	18291
2.167		9255	6767
2.189		9057	6646
2.225		16931	22616
2.287		15940	18598
2.311		8229	4553
2.333		6332	4131
2.354		7391	4033
2.371		2978	1757
2.435		26810	53259
2.491		141568	110753
2.539		4190	2358
2.571		5342	4278
2.589		6598	4378
2.619		12502	13057
2.667		15377	15139
2.704		7056	6804
2.746	TCX	165692	136906
2.807		4191	1918
2.836		8788	8948
2.862		4607	4825
2.908		4917	5766
2.944		4965	3149
2.968		8829	9313
3.004		2279	1117
3.046		274416	204968
3.082		5152	4081
3.106		8542	5419
3.143		7375	9872
3.171		7748	6062
3.212		3230	3056
3.243		23110	22396
3.275		2534	3308
3.317		4587	6339
3.366		24984	22787
3.403		9213	7389
3.448		11946	6958
3.496		2890	1640

3.515	11751	6401
3.525	28090	12612
3.545	4469	1788
3.559	19105	14658
3.635	36344	27705
3.668	207175	141133
3.692	115853	69835
3.711	20544	10243
3.776	1589	916
3.801	150399	109398
3.826	25127	15101
3.848	29535	20265
3.88	11554	6230
3.897	71861	47912
3.939	17273	16672
3.988	9927	11642
4.012	50697	29786
4.035	818635	615029
4.061	93012	56767
4.083	40147	21338
4.101	142838	100848
4.138	971103	769576
4.173	208979	147610
4.192	93528	60698
4.255	39769	34555
4.291	216413	209906
4.351	437665	359153
4.396	122264	100536
4.415	419266	252051
4.427	299709	160646
4.457	326989	348125
4.51	2014156	1780952
4.549	66159	66476
4.582	497559	380701
4.607	469335	366426
4.651	2726149	2416124
4.708	5880	3942
4.759	1989914	1985677
4.813	421754	426511
4.854	545645	508899
4.892	2805389	2529758
4.926	1015286	793010
4.966	801461	732939
5.011	3272	1839
5.037	6682	5428
5.07	252892	325526
5.122	1364071	1153191
5.146	239759	166547
5.197	843716	792372
5.233	408036	343694
5.261	270079	226897
5.294	130217	77779
5.315	3801403	3279495
5.357	72878	54560
5.39	112348	94450
5.509	22743	14318
5.532	607605	546393
5.576	2450831	2746376
5.731	50603	47565
5.775	78976	63943
5.801	13504	8480
5.822	19079	11717
5.85	373001	335269
5.892	3561	3047
5.955	902467	775545
5.987	43962	33388
6.155	174548	163320

6.315	DCB	123840	115726
6.351		3276	3612
6.491		2696	2551
6.523		9811	10965
6.718		1667	1254
6.796		3120	3384
6.937		1952	10905
7.117		1433	1447
7.325		1121	2698
7.876		3093	4291
8.001		907	4815
8.11		2427	5197
8.623		3004	4159

9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082

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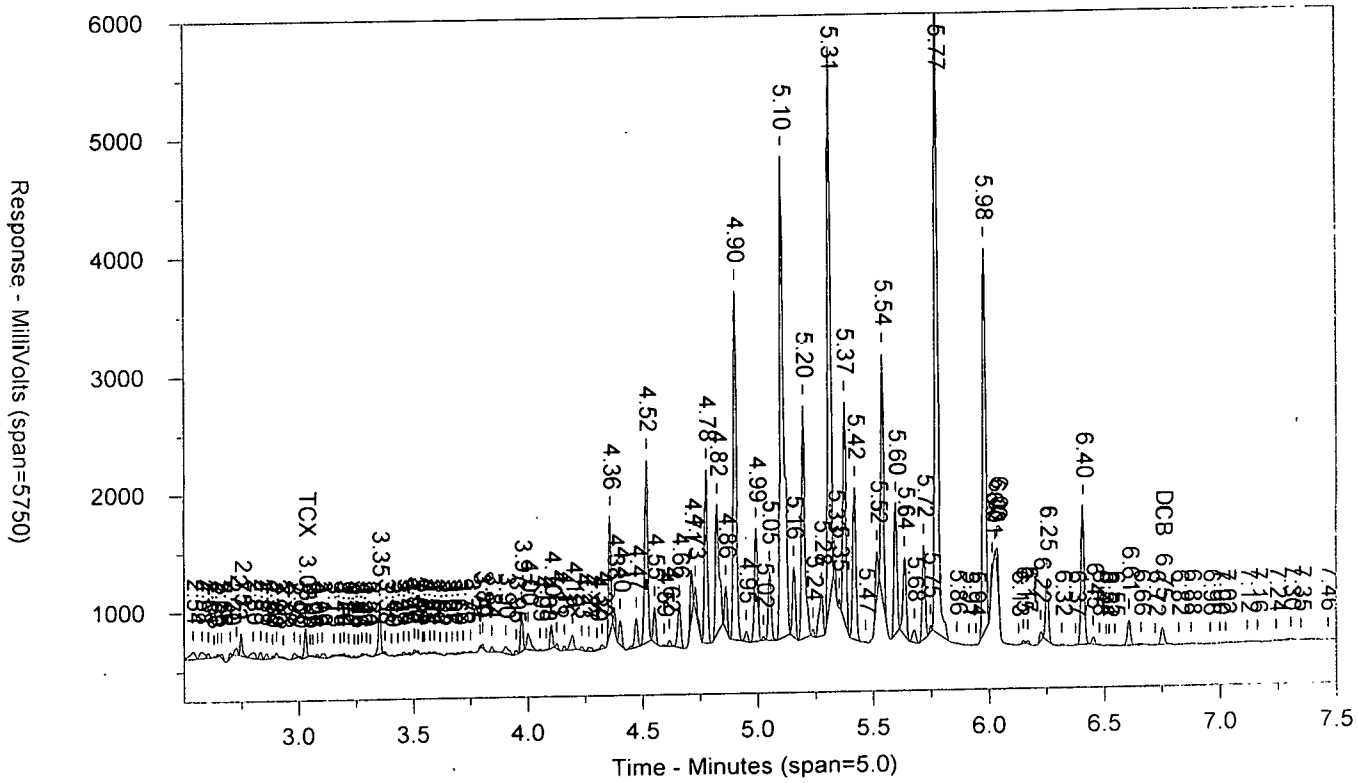

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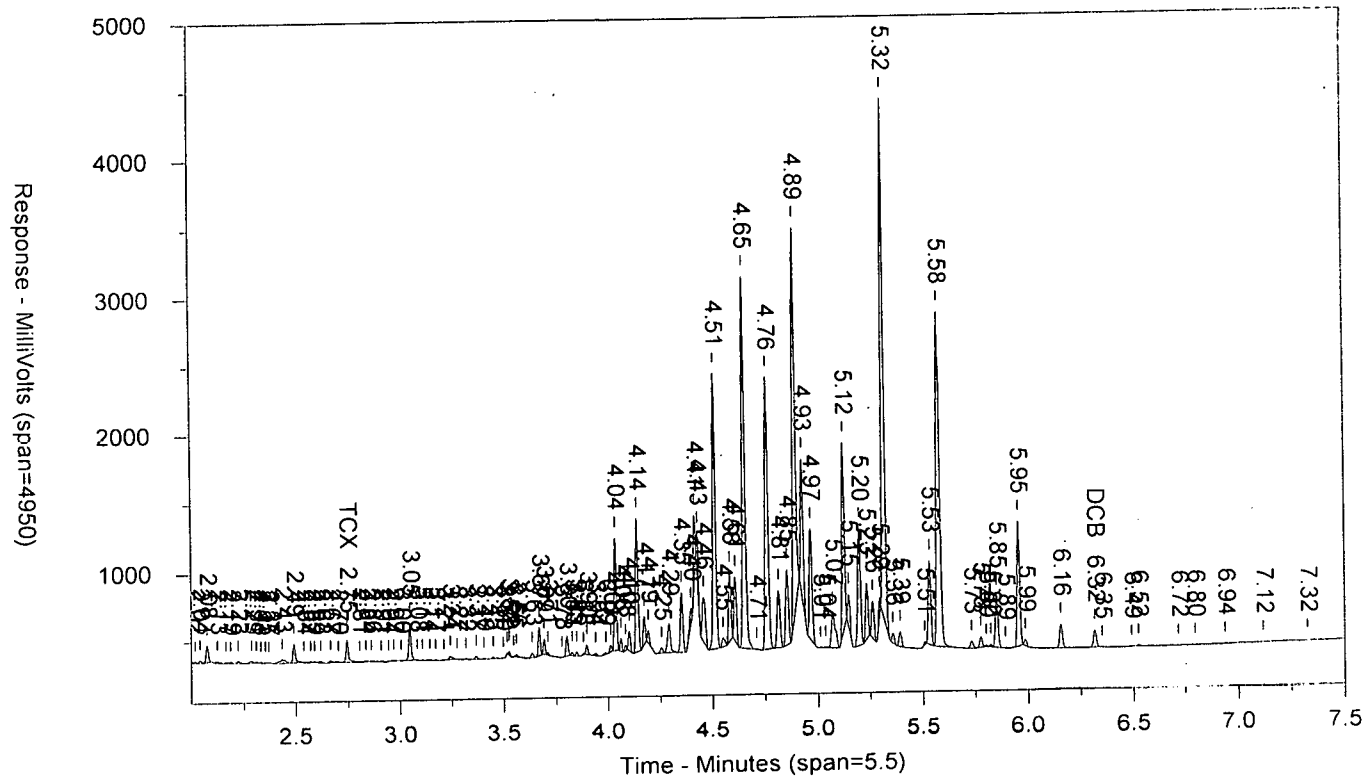

LANCASTER LABORATORIES

Sample Number: 9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:16:01 AM
Sample Weight: 10.15
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	248393	19.271	TCX	2.746	165692	26.889	TCX
6.752	143349	27.668	DCB	6.315	123840	26.439	DCB

Files:
Area File: 07pcbs17292004.0076.RAW
Area File: 07pcbs17292004B.0076.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:24:44 AM
File Reported On: 10/25/2017 at 11:25:06 AM

9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082

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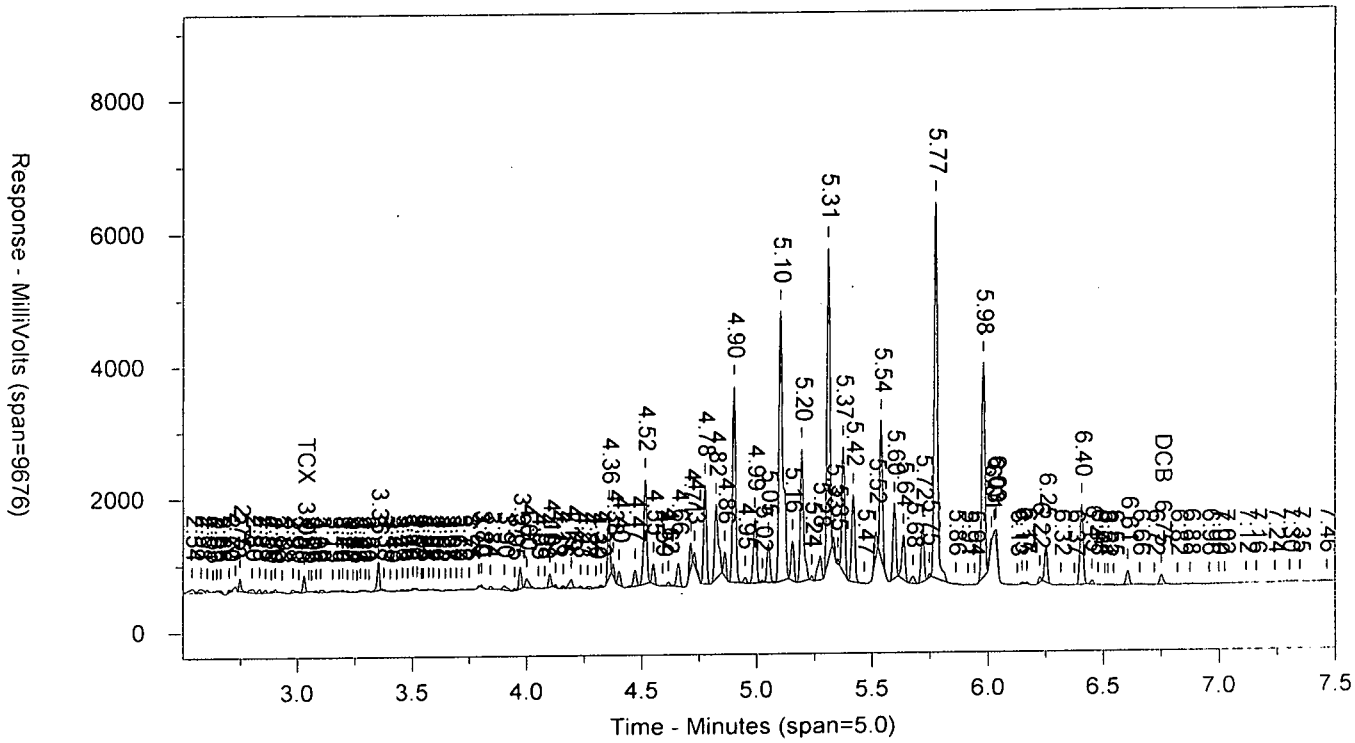

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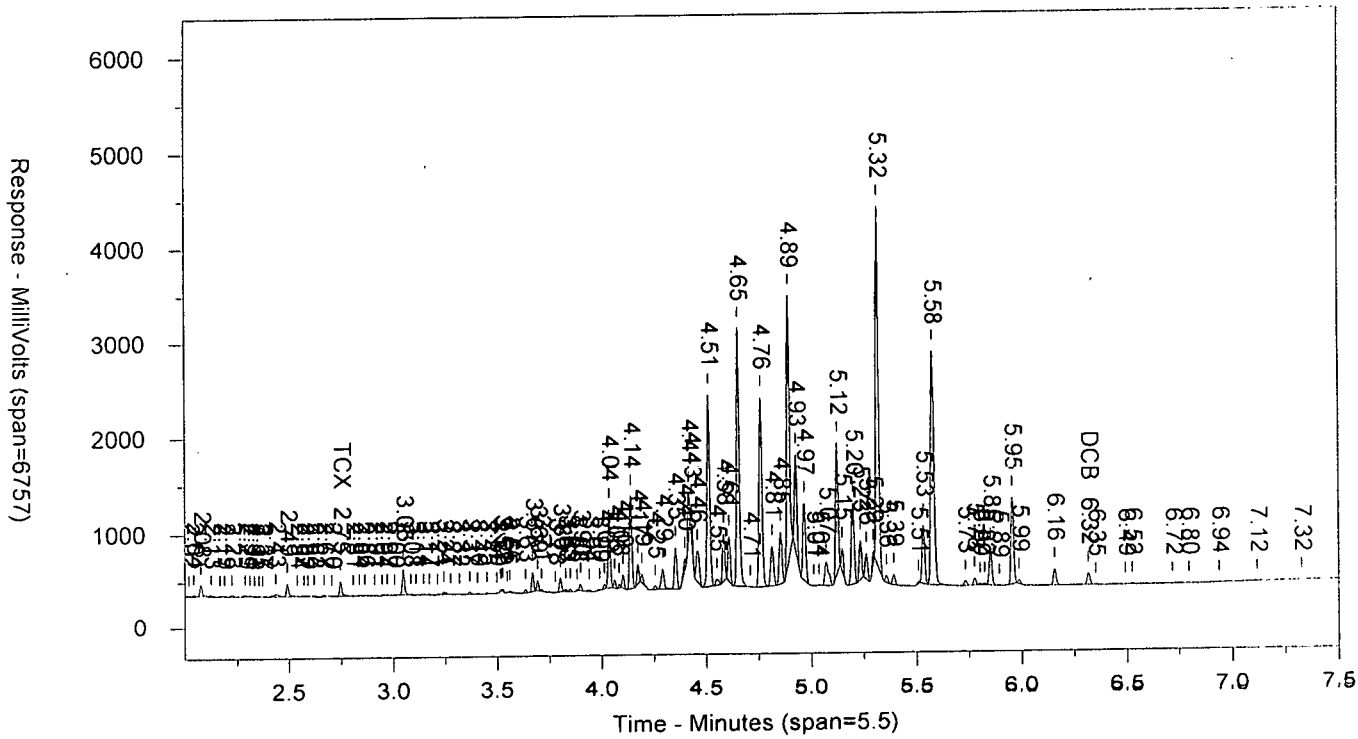

9229539 ACF DF50 AC03A10 T 172850029A 10225 SW-846 8082

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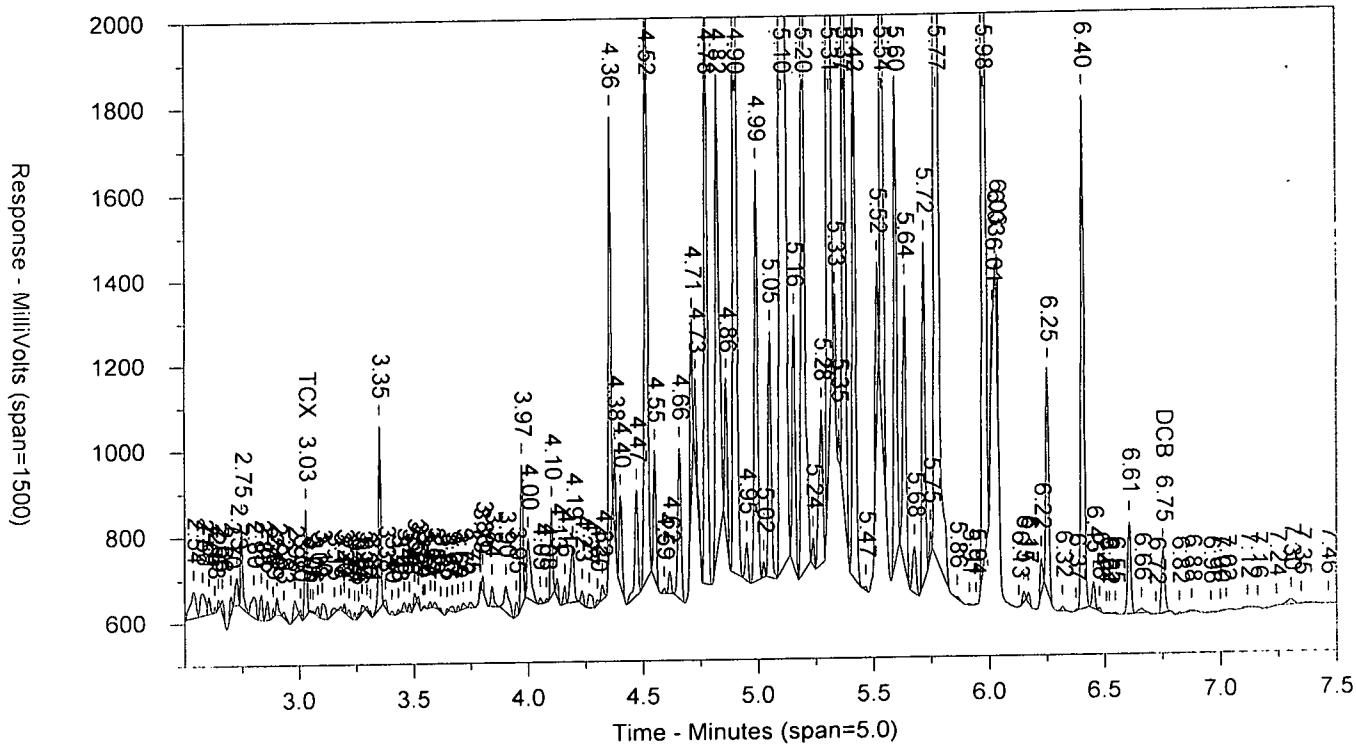

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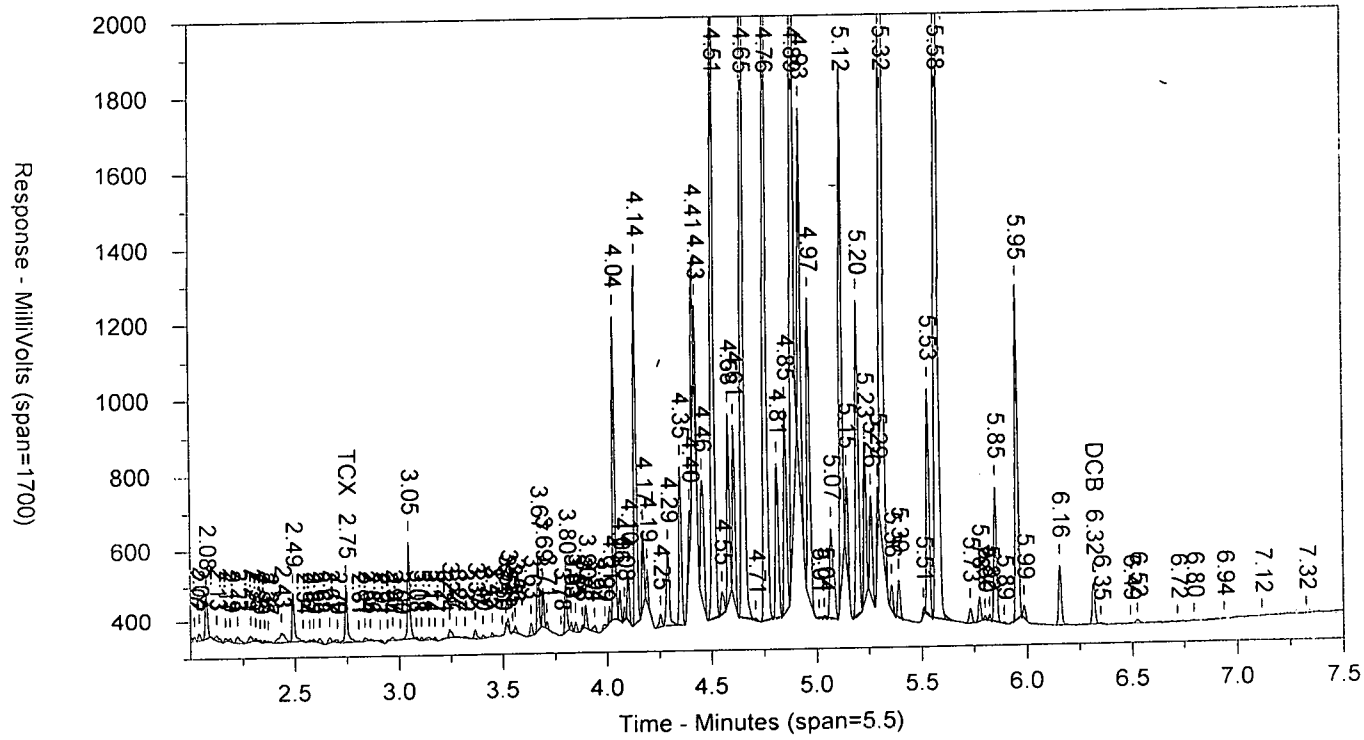

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Data Summary

Sample Name: 9229540 ACF DF50 03A11 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 11:27:32
Instrument	19843A
Result file	07PCBS17292004.0077.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 66% (61 - 152) Conc: 19.77993
%SSR(DCB) 112% (48 - 164) Conc: 29.78713

Analysis Report (B)

Injected on	Oct 25, 2017 11:27:32
Instrument	19843B
Result file	07PCBS17292004B.0077.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 89% (61 - 152) Conc: 26.59854
%SSR(DCB) 108% (48 - 164) Conc: 28.69981

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	255458	19.77993	Tetrachloro-m-xylene	2.72	2.75	2.78	164224	26.59854
Decachlorobiphenyl	6.72	6.75	6.78	154634	29.78713	Decachlorobiphenyl	6.29	6.32	6.35	134694	28.69981

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	26.59854				29.40	
☑	Tetrachloro-m-xylene-D1	A	19.77993					
☑	Tetrachloro-m-xylene-D2	B	26.59854					
☐	Decachlorobiphenyl	A	29.78713				3.72	
☑	Decachlorobiphenyl-D1	A	29.78713					
☑	Decachlorobiphenyl-D2	B	28.69981					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.44**	
4.88	4.90	4.92	3630551	10047.713185			1
5.29	5.31	5.33	6074169	12792.499291			2
5.36	5.38	5.40	2225266	9259.512368			3
5.52	5.54	5.56	2378504	9565.843761			4
5.76	5.77	5.80	6794788	11487.029782			5
5.96	5.98	6.00	3894160	10709.621237			6

Height summation: **24997438**
Concentration CF: **10643.703271** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.31**	
4.64	4.65	4.68	3312508	12081.325425			1
4.75	4.76	4.78	2394398	10044.921738			2
4.88	4.89	4.92	3717699	13683.637679			3
5.11	5.12	5.15	1537175	8623.13			4
5.30	5.32	5.34	4362312	10496.937166			5
5.56	5.58	5.60	2857417	10212.202703			6

Height summation: **18181509**
Concentration CF: **10857.025785** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2507.3747	<486.7257	D1		4	
☑	PCB-1221			<2507.3747	<752.2124	D1		3	
☑	PCB-1232			<2507.3747	<604.7198	D1		4	
☑	PCB-1242			<2507.3747	<604.7198	D1		4	
☑	PCB-1248			<2507.3747	<486.7257	D1		4	
☑	PCB-1254			<2507.3747	<648.9676	D1		4	
☑	PCB-1260	A	10643.703271	2507.3747	575.2213	D1	1.98	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:22

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229540** ACF DF50 03A11 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 66% (61-152) Conc.: 19.77993
%SSR(DCB) : 112% (48-164) Conc.: 29.78713

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	141.92	
3.27	3.28	3.31	31576.95	155.013597			1
3.48	3.50	3.52	47755.84	225.590848			2
+ 3.48	3.52	3.52	34674.07	163.794687			2
3.60	3.62	3.64	44204.05	181.08598			3
3.82	3.84	3.86	96502.46	339.437189			4
3.88	3.90	3.92	81900	344.498282			5
4.08	4.10	4.12	403602.7	2286.284411			6
Height Summation:			705542				
Amount Avg CF:			588.651718	Linear:			
Aroclor-1221					3	44.45	
+ 3.16	3.18	3.20	14195.3	136.101224			1
3.16	3.20	3.20	24526.42	235.153593			1
3.22	3.24	3.26	23488.98	261.222106			2
3.27	3.28	3.31	31576.95	97.46283			3
Height Summation:			79592.35				
Amount Avg CF:			197.946176	Linear:			
Aroclor-1232					6	155.87	
3.26	3.28	3.30	31576.95	127.24912			1
3.48	3.50	3.52	47755.84	486.125197			2
+ 3.48	3.52	3.52	34674.07	352.960792			2
3.60	3.62	3.64	44204.05	386.458543			3
3.82	3.84	3.86	96502.46	689.616262			4
+ 3.88	3.88	3.92	2411.317	22.870084			5
3.88	3.90	3.92	81900	776.778796			5
+ 4.08	4.08	4.12	7551.631	104.530832			6
4.08	4.10	4.12	403602.7	5586.730321			6
Height Summation:			705542				
Amount Avg CF:			1342.159706	Linear:			
Aroclor-1242					6	144.76	
3.27	3.28	3.31	31576.95	180.936147			1
3.48	3.50	3.52	47755.84	271.868957			2
+ 3.48	3.52	3.52	34674.07	197.395821			2
3.60	3.62	3.64	44204.05	217.377463			3
3.82	3.84	3.86	96502.46	393.837743			4
3.88	3.90	3.92	81900	445.929172			5
4.08	4.10	4.12	403602.7	2890.686369			6
Height Summation:			705542				
Amount Avg CF:			733.439308	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 89% (61-152) Conc.: 26.59854
%SSR(DCB) : 108% (48-164) Conc.: 28.69981

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	83.91	
3.02	3.05	3.06	205185.5	1882.985703			1
3.35	3.37	3.39	45327.12	343.192615			2
+ 3.54	3.55	3.58	17832.75	135.379749			3
3.54	3.56	3.58	24031.66	182.439618			3
3.62	3.64	3.66	46552.43	339.799376			4
3.68	3.69	3.72	206228.3	1994.794015			5
+ 3.68	3.71	3.72	92213.83	891.960978			5
3.79	3.80	3.83	268947.7	2340.920055			6
Height Summation:			796272.71				
Amount Avg CF:			1180.688564	Linear:			
Aroclor-1221					3	110.97	
2.90	2.92	2.94	9662.723	151.118181			1
2.96	2.97	3.00	9268.128	250.776585			2
+ 2.96	3.00	3.00	3436.346	92.980493			2
3.02	3.05	3.06	205185.5	1266.121001			3
Height Summation:			224116.351				
Amount Avg CF:			556.005256	Linear:			
Aroclor-1232					6	100.87	
3.02	3.05	3.06	205185.5	1600.846467			1
3.35	3.37	3.39	45327.12	737.863217			2
+ 3.54	3.55	3.58	17832.75	284.046274			3
3.54	3.56	3.58	24031.66	382.784679			3
3.62	3.64	3.66	46552.43	779.032687			4
3.68	3.69	3.72	206228.3	5399.067874			5
+ 3.68	3.71	3.72	92213.83	2414.162979			5
3.79	3.80	3.83	268947.7	5760.305682			6
Height Summation:			796272.71				
Amount Avg CF:			2443.316768	Linear:			
Aroclor-1242					6	84.81	
3.02	3.05	3.06	205185.5	2188.815046			1
3.35	3.37	3.39	45327.12	405.900345			2
+ 3.54	3.55	3.58	17832.75	153.783249			3
3.54	3.56	3.58	24031.66	207.240428			3
3.62	3.64	3.66	46552.43	419.089326			4
3.68	3.69	3.72	206228.3	2570.897931			5
+ 3.68	3.71	3.72	92213.83	1149.56262			5
3.79	3.80	3.83	268947.7	2850.916588			6
Height Summation:			796272.71				
Amount Avg CF:			1440.476611	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229540** ACF DF50 03A11 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	106.09	
3.82	3.84	3.86	96502.46	618.695798			1
+ 3.88	3.88	3.92	2411.317	18.498306			2
3.88	3.90	3.92	81900	628.292042			2
3.95	3.97	3.99	640932.1	2884.463379			3
4.08	4.10	4.12	403602.7	1623.117506			4
4.17	4.19	4.21	224163.3	1081.20375			5
4.36	4.36	4.40	1391600	6986.266173			6
+ 4.36	4.38	4.40	417554.4	2096.253363			6
Height Summation:			**2838700.56**				
Amount Avg CF:			**2303.673108**	Linear:			
Aroclor-1254					6	72.96	
4.69	4.71	4.73	902645.3	3711.347695			1
+ 4.69	4.73	4.73	126393	519.681839			1
4.76	4.78	4.80	2682455	5563.304532			2
4.88	4.90	4.92	3630551	24728.086319			3
4.97	4.99	5.01	1765176	5611.418197			4
5.17	5.20	5.21	2821793	11472.711322			5
5.29	5.31	5.33	6074169	19348.61363			6
Height Summation:			**17876789.3**				
Amount Avg CF:			**11739.246949**	Linear:			
Aroclor-1260					6	12.44	
4.88	4.90	4.92	3630551	10047.713185			1
5.29	5.31	5.33	6074169	12792.499291			2
5.36	5.38	5.40	2225266	9259.512368			3
5.52	5.54	5.56	2378504	9565.843761			4
5.76	5.77	5.80	6794788	11487.029782			5
5.96	5.98	6.00	3894160	10709.621237			6
Height Summation:			**24997438**				
Amount Avg CF:			**10643.703271**	Linear:			
Aroclor-1262					6	46.36	
5.35	5.38	5.39	2225266	5727.344981			1
5.52	5.54	5.56	2378504	7115.839311			2
5.75	5.77	5.79	6794788	9746.374209			3
5.96	5.98	6.00	3894160	8608.708046			4
+ 6.01	6.01	6.05	97520.93	456.892153			5
+ 6.01	6.02	6.05	34247.04	160.449699			5
6.01	6.03	6.05	266690.5	1249.46303			5
6.38	6.41	6.42	1366869	5876.370053			6
Height Summation:			**16926277.5**				
Amount Avg CF:			**6387.349938**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	109.07	
+ 3.54	3.55	3.58	17832.75	276.475957			1
3.54	3.56	3.58	24031.66	372.582815			1
3.62	3.64	3.66	46552.43	595.027289			2
3.68	3.69	3.72	206228.3	1792.243317			3
+ 3.68	3.71	3.72	92213.83	801.391567			3
3.79	3.80	3.83	268947.7	1685.164576			4
3.88	3.90	3.92	122331.5	1267.590597			5
4.02	4.04	4.06	1268650	6311.182346			6
Height Summation:			**1936741.59**				
Amount Avg CF:			**2003.965157**	Linear:			
Aroclor-1254					6	74.59	
4.34	4.35	4.38	801656.6	4737.828191			1
4.40	4.42	4.44	1474080	5018.974911			2
4.50	4.51	4.54	2466712	17363.758799			3
4.57	4.58	4.61	959316.1	5272.149723			4
4.64	4.65	4.68	3312508	28628.082086			5
4.88	4.89	4.92	3717699	17152.620371			6
Height Summation:			**12731971.7**				
Amount Avg CF:			**13028.902347**	Linear:			
Aroclor-1260					6	16.31	
4.64	4.65	4.68	3312508	12081.325425			1
4.75	4.76	4.78	2394398	10044.921738			2
4.88	4.89	4.92	3717699	13683.637679			3
5.11	5.12	5.15	1537175	8623.13			4
+ 5.11	5.15	5.15	404438.3	2268.787898			4
5.30	5.32	5.34	4362312	10496.937166			5
5.56	5.58	5.60	2857417	10212.202703			6
Height Summation:			**18181509**				
Amount Avg CF:			**10857.025785**	Linear:			
Aroclor-1262					6	34.40	
4.91	4.93	4.95	1168535	4541.372084			1
5.11	5.12	5.15	1537175	5691.073031			2
5.30	5.32	5.34	4362312	8654.871672			3
5.52	5.53	5.56	687010.9	3547.677656			4
5.56	5.58	5.60	2857417	8175.065908			5
5.94	5.95	5.98	970953.5	5049.731738			6
Height Summation:			**11583403.4**				
Amount Avg CF:			**5943.298682**	Linear:			
Aroclor-1268					6	121.93	
5.52	5.53	5.56	687010.9	1137.918852			1
5.56	5.58	5.60	2857417	4649.263943			2
5.72	5.73	5.76	63240.44	120.215862			3
+ 5.79	5.80	5.82	13749.06	99.965193			4
5.79	5.82	5.82	35948.27	261.368832			4
5.94	5.95	5.98	970953.5	4615.512896			5
6.14	6.16	6.18	196049.9	112.650673			6
Height Summation:			**4810620.01**				
Amount Avg CF:			**1816.155176**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229540** ACF DF50 03A11 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.17 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**133.93**	
5.96	5.98	5.99	3894160	4622.382647			1
+ 6.01	6.01	6.05	97520.93	135.122285			2
+ 6.01	6.02	6.05	34247.04	47.451745			2
6.01	6.03	6.05	266690.5	369.51893			2
6.15	6.15	6.19	32356.73	48.65687			3
+ 6.15	6.17	6.19	25685.82	38.625399			3
6.21	6.22	6.25	85185.97	478.85137			4
6.38	6.41	6.42	1366869	5209.336152			5
6.58	6.61	6.62	231976.1	114.03537			6

Height Summation: **5877238.3**
Amount Avg CF: **1807.130223** Linear:

Analysis Report (B)

Injected on : Oct 25, 2017 11:27:32
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2507.3747	486.7257		** 66.92	4	40	
Aroclor-1221			2507.3747	752.2124		** 94.98	3	40	
Aroclor-1232			2507.3747	604.7198		** 58.18	4	40	
Aroclor-1242			2507.3747	604.7198		** 65.05	4	40	
Aroclor-1248			2507.3747	486.7257		13.92	4	40	
Aroclor-1254			2507.3747	648.9676		10.41	4	40	
Aroclor-1260			2507.3747	575.2213		1.98	4	40	
Aroclor-1262			2507.3747	486.7257		7.20	4	40	
Aroclor-1268			2507.3747	486.7257		0.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:27:32 AM 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: 07pcbs17292004.0077.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.51		22188	17249
1.533		22619	15819
1.558		20401	19201
1.601		83195	188320
1.659		259897	279180
1.708		70510	130664
1.733		58232	62379
1.766		131866	125669
1.81		73318	88854
1.832		65456	66861
1.862		33714	23590
1.878		25798	16814
1.892		32205	18516
1.912		39017	25023
1.937		38124	39628
1.96		33209	29665
1.976		34236	25461
2.003		47804	34601
2.021		56966	48708
2.046		41982	33680
2.087		63993	84002
2.106		59876	73459
2.134		98948	115752
2.159		51344	40219
2.194		98827	188099
2.216		81440	63982
2.233		91872	150729
2.26		76780	94470
2.292		151773	135068
2.311		71222	47850
2.322		78363	65434
2.338		34535	19956
2.364		60472	88405
2.403		84611	104587
2.434		31184	15684
2.469		81371	59626
2.482		87363	118941
2.538		59239	111064
2.576		51774	85167
2.606		41810	38987
2.631		17633	8102
2.647		21823	12289
2.664		34271	28584
2.701		43824	31973
2.722		42089	44061
2.747		63158	30683
2.76		11861	4076
2.801		49472	75951
2.834		65237	52815
2.861		47657	39144
2.886		24930	11347
2.902		39277	29885
2.931		17382	17935

RT A	Compound A	Height A	Area A
2.979		46743	45219
3.005		22633	9634
3.028	TCX	255458	178699
3.05		4516	1562
3.08		26280	17718
3.103		40918	52387
3.153		15974	20422
3.181		14195	10016
3.197		24526	12370
3.216		18751	13696
3.242		23489	12409
3.259		12445	5653
3.284		31577	44206
3.31		13929	5156
3.352		295828	207052
3.374		23614	18666
3.404		14593	8984
3.433		10731	7274
3.458		22962	19979
3.48		22598	14766
3.503		47756	28091
3.519		34674	19506
3.538		4534	1492
3.549		6784	2611
3.572		16443	11793
3.592		13374	11990
3.618		44204	31044
3.647		9533	6351
3.671		15598	12644
3.694		27046	16364
3.716		16514	15779
3.748		16962	15240
3.792		37381	19966
3.804		61577	48237
3.844		96502	93605
3.884		2411	972
3.903		81900	95722
3.947		42710	32889
3.973		640932	452908
4		234224	182695
4.023		70670	38087
4.053		17951	11598
4.081		7552	4280
4.102		403603	286198
4.127		71667	46946
4.159		92375	66868
4.194		224163	237336
4.235		56536	46787
4.268		16932	11356
4.302		11309	6968
4.322		57982	47752
4.359		1391601	977364
4.378		417554	237468
4.404		429757	353003
4.473		410114	369369
4.516		2348965	2208426
4.552		647223	501822
4.592		34558	22997
4.617		101182	77325
4.66		656050	609697
4.713		902645	655874
4.729		126393	56375
4.744		126735	69017
4.776		2682455	2312945
4.824		1339453	1461299
4.862		565434	404373

RT A	Compound A	Height A	Area A
4.903		3630551	3328891
4.951		167478	143736
4.993		1765176	1693303
5.024		50402	31227
5.051		703262	604010
5.074		11107	4748
5.104		3786311	2985755
5.119		267509	206007
5.156		663365	586105
5.195		2821793	2801492
5.239		137424	90006
5.275		456016	554796
5.311		6074169	5512427
5.333		248270	128758
5.352		128275	53933
5.376		2225266	1927202
5.418		1573116	1475295
5.455		4189	6468
5.517		560783	442890
5.539		2378504	1876014
5.596		1325737	1176571
5.634		831743	765606
5.676		119351	127303
5.718		1035168	925600
5.747		78224	52401
5.774		6794788	6527004
5.98		3894160	3660674
6.015		97521	107302
6.025		34247	12842
6.033		266691	208163
6.148		32357	26328
6.168		25686	17868
6.2		1902	594
6.225		85186	68337
6.251		601859	541767
6.314		14180	14896
6.352		1830	765
6.376		9774	6356
6.405		1366869	1295990
6.45		72265	60482
6.477		13337	10099
6.531		1667	2201
6.605		231976	228570
6.717		2250	1740
6.752	DCB	154634	159354
6.786		4388	3513
6.82		4697	4501
6.87		1801	2518
6.944		1116	276
7.039		1370	623
7.103		931	314
7.142		1852	477
7.282		1528	1240
7.334		1330	358
7.393		1989	873
7.412		1144	369
7.472		2203	1074
7.517		1583	1069
7.539		1377	405
7.623		2026	3793
7.845		1446	1822
7.984		3489	4793
8.022		1774	1002
8.06		1222	721
8.231		5026	6365
8.277		1469	1172

RT A	Compound A	Height A	Area A
8.421		1385	500
8.583		1559	939
8.637		1109	1150

LANCASTER LABORATORIES

Sample Number: 9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:27:32 AM 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, 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: 07pcbs17292004B.0077.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		64409	86480
1.638		11858	12552
1.689		10380	11666
1.717		10298	11087
1.76		14533	27253
1.788		12893	12227
1.825		14431	18953
1.848		11893	10786
1.882		10365	8447
1.91		13644	12336
1.951		5774	6997
1.994		12140	12745
2.018		11998	8975
2.041		22067	18033
2.076		62557	48438
2.125		14582	19099
2.168		10984	8747
2.19		11006	8823
2.223		18930	26347
2.287		16597	19632
2.312		8600	5179
2.333		6162	4075
2.354		8795	4888
2.434		13346	22289
2.491		61213	44429
2.54		4878	2608
2.571		5882	4770
2.589		8303	5152
2.618		11297	12247
2.666		16849	17365
2.703		7985	8324
2.746	TCX	164224	119450
2.807		4255	2103
2.837		10308	10697
2.861		2912	1249
2.918		9663	13781
2.944		4984	3355
2.967		9268	12429
3.003		3436	1448
3.046		205186	160840
3.085		6473	4867
3.108		7482	4601
3.142		8619	12637
3.173		6414	5220
3.208		5763	6550
3.243		36790	38397
3.318		7912	8574
3.366		45327	38871
3.403		17165	10431
3.449		11344	6321
3.465		3547	1912
3.498		2377	1368
3.515		21968	10813
3.525		44891	20869

3.545		17833	8053
3.559		24032	11513
3.635		46552	34417
3.669		384833	261643
3.693		206228	122455
3.711		92214	51279
3.776		2745	1266
3.802		268948	199670
3.826		45182	25615
3.849		62403	43881
3.88		22310	11032
3.897		122332	86722
3.94		32327	28107
3.987		26141	26849
4.012		98856	61579
4.035		1268651	916696
4.062		157339	98149
4.083		97995	55299
4.102		218901	145261
4.139		1352119	1077852
4.173		417080	290213
4.192		188288	117538
4.256		79679	65029
4.291		402306	386740
4.351		801657	669361
4.397		116496	150595
4.415		1474081	1631505
4.456		380950	403305
4.511		2466712	2197192
4.55		118866	111747
4.583		959316	737351
4.608		568950	424074
4.652		3312508	2896804
4.709		5690	3448
4.76		2394398	2400985
4.813		775218	743395
4.855		669451	629262
4.893		3717699	3334784
4.927		1168535	866990
4.966		913640	814621
5.036		14025	17104
5.071		290976	383434
5.123		1537175	1287832
5.147		404438	288473
5.198		958633	911056
5.233		492651	401467
5.261		311622	261702
5.294		201149	127371
5.316		4362312	3794831
5.358		83566	61517
5.392		122647	108575
5.509		26082	17174
5.532		687011	614824
5.576		2857417	3239464
5.731		63240	58227
5.775		89552	79213
5.801		13749	7984
5.822		35948	24053
5.85		427313	384810
5.929		5043	3119
5.954		970954	891020
5.986		54629	40001
6.155		196050	189835
6.315	DCB	134694	129126
6.35		6346	6060
6.436		1945	3823
6.489		3515	2713

6.523	6686	7707
6.718	1449	714
6.788	2818	3173
6.906	1418	6444
7.008	1608	3681
7.115	1517	2289
7.26	2998	10139
7.354	1372	1405
7.692	1383	752
7.876	2435	2809
8.627	3110	4622

9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082

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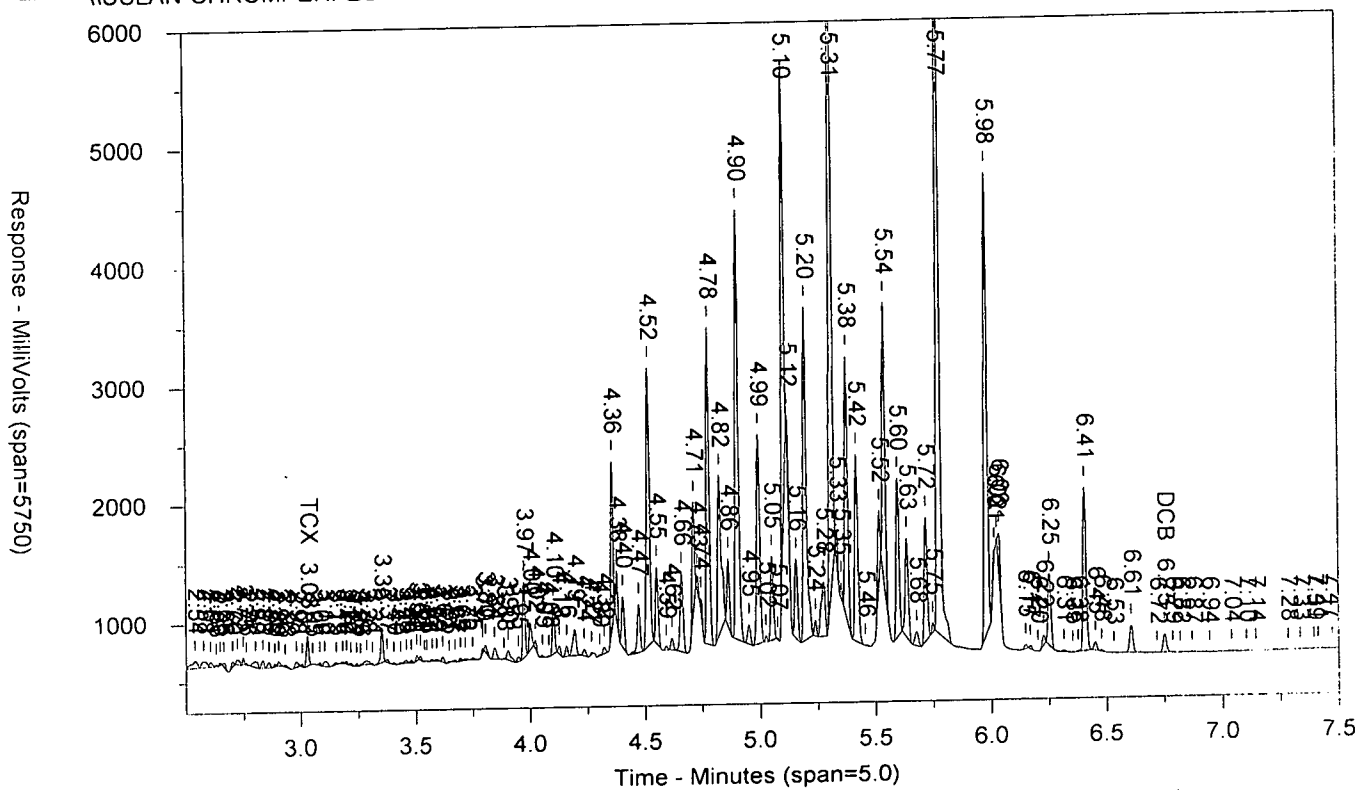

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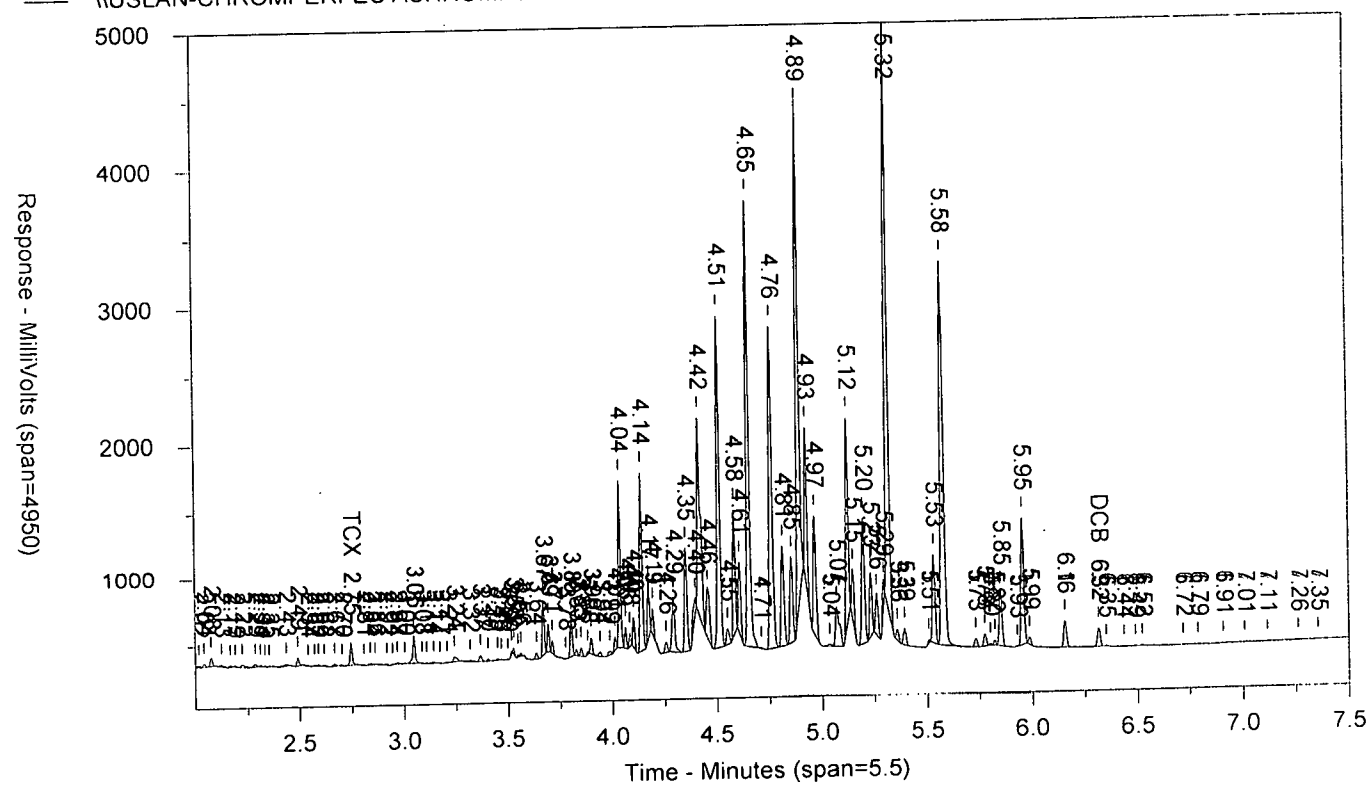

LANCASTER LABORATORIES

Sample Number: 9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:27:32 AM
Sample Weight: 10.17
Dilution Factor: 500
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	255458	19.78	TCX	2.746	164224	26.599	TCX
6.752	154634	29.787	DCB	6.315	134694	28.7	DCB

Files:
Area File: 07pcbs17292004.0077.RAW
Area File: 07pcbs17292004B.0077.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:36:11 AM
File Reported On: 10/25/2017 at 11:36:34 AM

9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082

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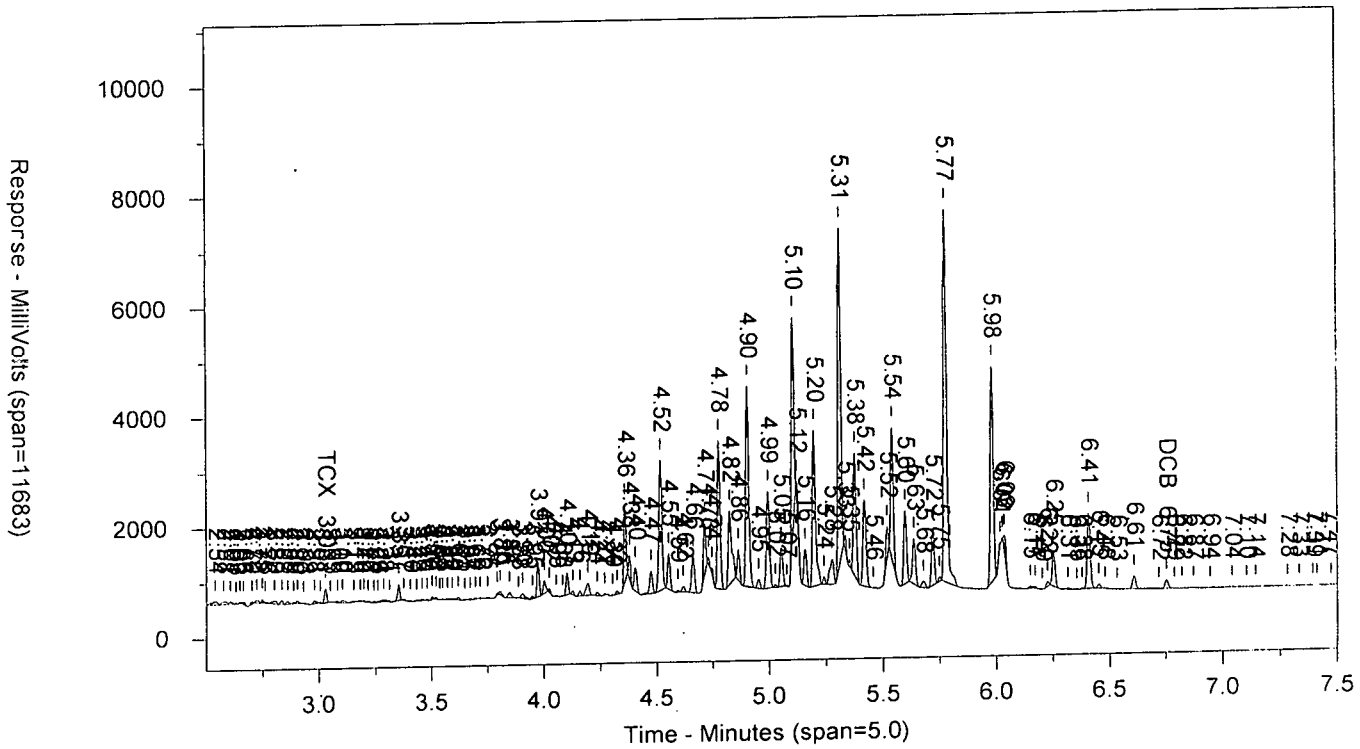

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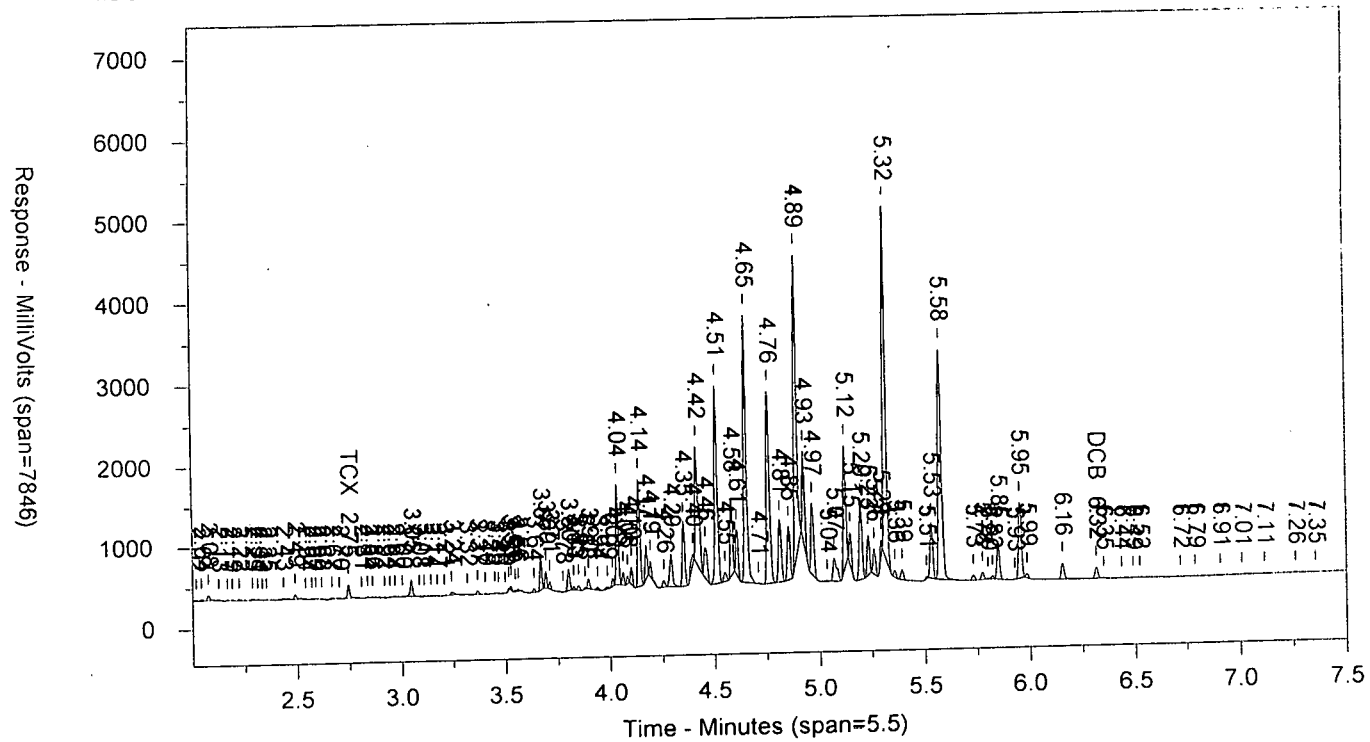

9229540 ACF DF50 AC03A11 T 172850029A 10225 SW-846 8082

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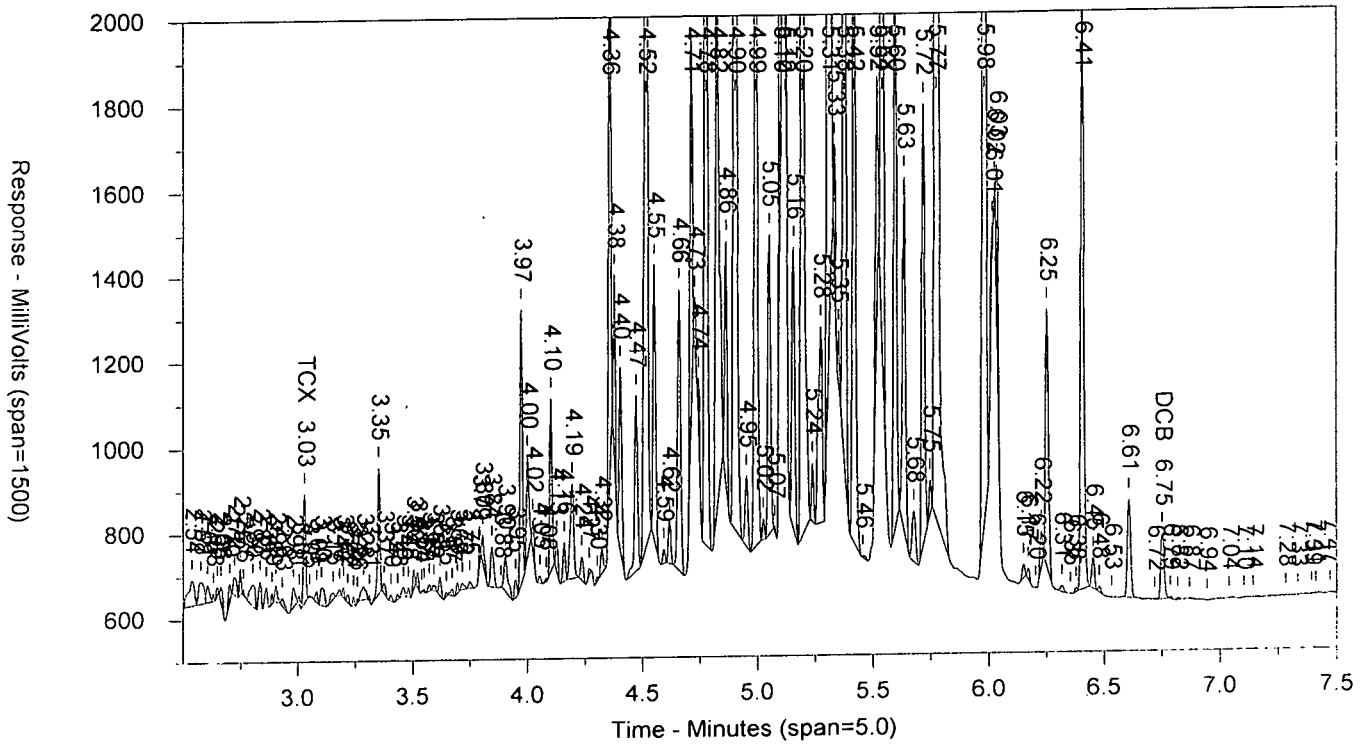

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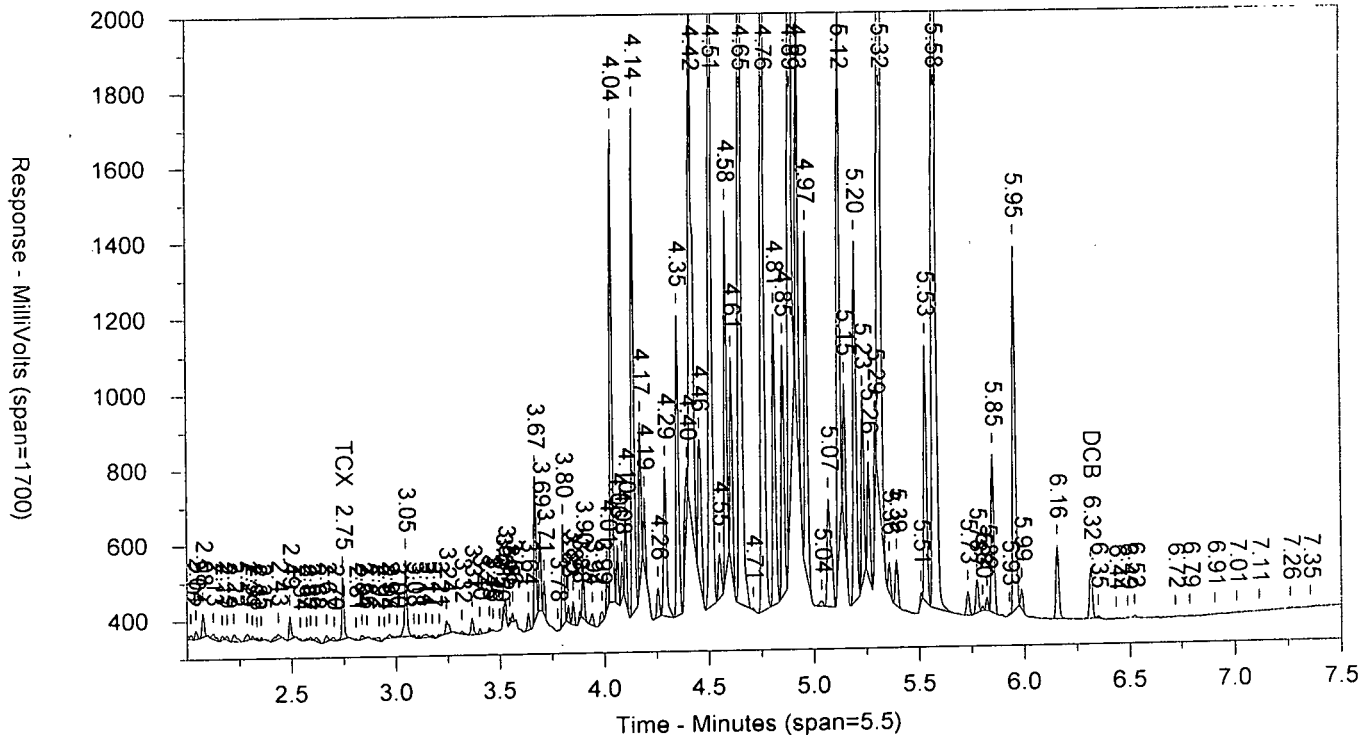

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Data Summary

Sample Name: 9229541 ACF DF10 03A12 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.45 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 11:38:56
Instrument	19843A
Result file	07PCBS17292004.0078.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 63% (61 - 152) Conc: 18.54075
%SSR(DCB) 95% (48 - 164) Conc: 24.76891

Analysis Report (B)

Injected on	Oct 25, 2017 11:38:56
Instrument	19843B
Result file	07PCBS17292004B.0078.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 74% (61 - 152) Conc: 21.64719
%SSR(DCB) 80% (48 - 164) Conc: 20.66429

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1230232	18.54075	Tetrachloro-m-xylene	2.72	2.75	2.78	686666	21.64719
Decachlorobiphenyl	6.72	6.75	6.78	660614	24.76891	Decachlorobiphenyl	6.29	6.31	6.35	498259	20.66429

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	21.64719				15.46	
☑	Tetrachloro-m-xylene-D1	A	18.54075					
☑	Tetrachloro-m-xylene-D2	B	21.64719					
☐	Decachlorobiphenyl	A	24.76891				18.07	
☑	Decachlorobiphenyl-D1	A	24.76891					
☑	Decachlorobiphenyl-D2	B	20.66429					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.54**	
4.88	4.90	4.92	5716998	3079.621806			1
5.29	5.31	5.33	9881528	4050.674018			2
5.36	5.37	5.40	4036569	3269.288317			3
5.52	5.54	5.56	4271666	3343.885078			4
5.76	5.77	5.80	12773220	4203.072549			5
5.96	5.98	6.00	6930916	3710.099984			6

Height summation: **43610897**
Concentration CF: **3609.440292** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.30**	
4.64	4.65	4.68	5228896	3711.951636			1
4.75	4.76	4.78	3776530	3083.740421			2
4.88	4.89	4.92	5486684	3930.718547			3
5.11	5.12	5.15	2670808	2916.211024			4
5.30	5.32	5.34	7396659	3464.305068			5
5.56	5.58	5.60	4692330	3264.141732			6

Height summation: **29251907**
Concentration CF: **3395.178071** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<488.0383	<94.7368	D1		4	
☑	PCB-1221			<488.0383	<146.4115	D1		3	
☑	PCB-1232			<488.0383	<117.7033	D1		4	
☑	PCB-1242			<488.0383	<117.7033	D1		4	
☑	PCB-1248			<488.0383	<94.7368	D1		4	
☑	PCB-1254			<488.0383	<126.3158	D1		4	
☑	PCB-1260	A	3609.440292	488.0383	111.9617	D1	6.12	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:24

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229541** ACF DF10 03A12 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.45 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 63% (61-152) Conc.: 18.54075
%SSR(DCB) : 95% (48-164) Conc.: 24.76891

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	150.51	
3.27	3.27	3.31	19578.45	18.707363			1
3.48	3.50	3.52	36863.2	33.893989			2
+ 3.48	3.52	3.52	23066.71	21.208761			2
3.60	3.62	3.64	29639.96	23.633881			3
3.82	3.84	3.86	72261.41	49.472303			4
+ 3.88	3.88	3.92	1139.418	0.932869			5
3.88	3.90	3.92	56660.21	46.389105			5
4.08	4.10	4.12	326557.6	360.056492			6
Height Summation:			**541560.83**				
Amount Avg CF:			**88.692189**	Linear:			
Aroclor-1221					3	36.57	
+ 3.16	3.18	3.20	12626.04	23.562387			1
3.16	3.20	3.20	13822.18	25.794592			1
+ 3.22	3.22	3.26	5455.458	11.80896			2
3.22	3.24	3.26	9583.265	20.744068			2
3.27	3.27	3.31	19578.45	11.762017			3
Height Summation:			**42983.895**				
Amount Avg CF:			**19.433559**	Linear:			
Aroclor-1232					6	163.15	
3.26	3.27	3.30	19578.45	15.356688			1
3.48	3.50	3.52	36863.2	73.038078			2
+ 3.48	3.52	3.52	23066.71	45.70271			2
3.60	3.62	3.64	29639.96	50.43745			3
3.82	3.84	3.86	72261.41	100.510214			4
+ 3.88	3.88	3.92	1139.418	2.103445			5
3.88	3.90	3.92	56660.21	104.598703			5
+ 4.08	4.08	4.12	4631.842	12.479352			6
4.08	4.10	4.12	326557.6	879.828648			6
Height Summation:			**541560.83**				
Amount Avg CF:			**203.96163**	Linear:			
Aroclor-1242					6	153.23	
3.27	3.27	3.31	19578.45	21.83575			1
3.48	3.50	3.52	36863.2	40.847062			2
+ 3.48	3.52	3.52	23066.71	25.559564			2
3.60	3.62	3.64	29639.96	28.370352			3
3.82	3.84	3.86	72261.41	57.401077			4
+ 3.88	3.88	3.92	1139.418	1.207535			5
3.88	3.90	3.92	56660.21	60.047485			5
4.08	4.10	4.12	326557.6	455.240997			6
Height Summation:			**541560.83**				
Amount Avg CF:			**110.623787**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 74% (61-152) Conc.: 21.64719
%SSR(DCB) : 80% (48-164) Conc.: 20.66429

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.93	
3.02	3.05	3.06	195879.2	349.883398			1
3.35	3.37	3.39	31693.82	46.707761			2
3.54	3.55	3.58	19373.02	28.626442			3
+ 3.54	3.56	3.58	17969.24	26.552154			3
3.62	3.63	3.66	41439.98	58.875474			4
3.68	3.69	3.72	213340.7	401.659616			5
+ 3.68	3.71	3.72	97753.11	184.041191			5
3.79	3.80	3.83	228676.5	387.413671			6
Height Summation:			**730403.22**				
Amount Avg CF:			**212.194394**	Linear:			
Aroclor-1221					3	109.75	
2.90	2.92	2.94	5781.34	17.598691			1
2.96	2.97	3.00	11711.88	61.681685			2
3.02	3.05	3.06	195879.2	235.26186			3
Height Summation:			**213372.42**				
Amount Avg CF:			**104.847412**	Linear:			
Aroclor-1232					6	104.67	
3.02	3.05	3.06	195879.2	297.458234			1
3.35	3.37	3.39	31693.82	100.421564			2
3.54	3.55	3.58	19373.02	60.062411			3
+ 3.54	3.56	3.58	17969.24	55.710255			3
3.62	3.63	3.66	41439.98	134.979408			4
3.68	3.69	3.72	213340.7	1087.123539			5
+ 3.68	3.71	3.72	97753.11	498.12205			5
3.79	3.80	3.83	228676.5	953.309434			6
Height Summation:			**730403.22**				
Amount Avg CF:			**438.892432**	Linear:			
Aroclor-1242					6	88.16	
3.02	3.05	3.06	195879.2	406.710494			1
3.35	3.37	3.39	31693.82	55.242146			2
3.54	3.55	3.58	19373.02	32.517915			3
+ 3.54	3.56	3.58	17969.24	30.161649			3
3.62	3.63	3.66	41439.98	72.613679			4
3.68	3.69	3.72	213340.7	517.660404			5
+ 3.68	3.71	3.72	97753.11	237.192971			5
3.79	3.80	3.83	228676.5	471.816224			6
Height Summation:			**730403.22**				
Amount Avg CF:			**259.42681**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229541** ACF DF10 03A12 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.45 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	132.12	
3.82	3.84	3.86	72261.41	90.173696			1
+ 3.88	3.88	3.92	1139.418	1.701357			2
3.88	3.90	3.92	56660.21	84.603922			2
3.95	3.97	3.99	552807.4	484.24095			3
+ 4.08	4.08	4.12	4631.842	3.625637			4
4.08	4.10	4.12	326557.6	255.617364			4
4.17	4.19	4.21	207491.3	194.7949			5
4.36	4.36	4.40	1726614	1687.176913			6
+ 4.36	4.38	4.40	335783.3	328.113772			6
Height Summation:			**2942391.92**				
Amount Avg CF:			**466.101291**	Linear:			
Aroclor-1254					6	85.05	
4.69	4.71	4.73	841526.9	673.468332			1
+ 4.69	4.73	4.73	334573.7	267.757087			1
4.76	4.78	4.80	3274259	1321.746219			2
4.88	4.90	4.92	5716998	7579.152832			3
4.97	4.99	5.01	2074730	1283.751213			4
5.17	5.20	5.21	4109790	3252.33448			5
5.29	5.31	5.33	9881528	6126.631296			6
Height Summation:			**25898831.9**				
Amount Avg CF:			**3372.847395**	Linear:			
Aroclor-1260					6	12.54	
4.88	4.90	4.92	5716998	3079.621806			1
5.29	5.31	5.33	9881528	4050.674018			2
5.36	5.37	5.40	4036569	3269.288317			3
5.52	5.54	5.56	4271666	3343.885078			4
5.76	5.77	5.80	12773220	4203.072549			5
5.96	5.98	6.00	6930916	3710.099984			6
Height Summation:			**43610897**				
Amount Avg CF:			**3609.440292**	Linear:			
Aroclor-1262					6	31.66	
E 5.35	5.37	5.39	4036569	2022.173662			1
E 5.52	5.54	5.56	4271666	2487.449041			2
E 5.75	5.77	5.79	12773220	3566.17147			3
E 5.96	5.98	6.00	6930916	2982.287317			4
6.01	6.03	6.05	1531975	1397.018641			5
E 6.38	6.40	6.42	2500434	2092.340187			6
Height Summation:			**32044780**				
Amount Avg CF:			**2424.573386**	Linear:			
Aroclor-1268					6	121.70	
5.96	5.98	5.99	6930916	1601.317302			1
6.01	6.03	6.05	1531975	413.15735			2
+ 6.15	6.15	6.19	36795.43	10.769811			3
6.15	6.17	6.19	52166.23	15.268756			3
6.21	6.22	6.25	141358	154.663456			4
6.38	6.40	6.42	2500434	1854.836112			5
6.58	6.60	6.62	434464.6	41.570513			6
Height Summation:			**11591313.83**				
Amount Avg CF:			**680.135581**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	123.42	
3.54	3.55	3.58	19373.02	58.461645			1
+ 3.54	3.56	3.58	17969.24	54.225481			1
3.62	3.63	3.66	41439.98	103.09764			2
3.68	3.69	3.72	213340.7	360.875237			3
+ 3.68	3.71	3.72	97753.11	165.353712			3
3.79	3.80	3.83	228676.5	278.888548			4
3.88	3.90	3.92	111260.5	224.396652			5
4.02	4.04	4.06	1438534	1392.912044			6
Height Summation:			**2052624.7**				
Amount Avg CF:			**403.105294**	Linear:			
Aroclor-1254					6	90.63	
4.34	4.35	4.38	802462	923.102802			1
4.40	4.41	4.44	994250	658.907163			2
+ 4.40	4.43	4.44	486659.2	322.51771			2
4.50	4.51	4.54	3806356	5215.180695			3
4.57	4.58	4.61	1038643	1111.033			4
4.64	4.65	4.68	5228896	8795.893862			5
4.88	4.89	4.92	5486684	4927.20756			6
Height Summation:			**17357291**				
Amount Avg CF:			**3605.220847**	Linear:			
Aroclor-1260					6	11.30	
4.64	4.65	4.68	5228896	3711.951636			1
4.75	4.76	4.78	3776530	3083.740421			2
4.88	4.89	4.92	5486684	3930.718547			3
5.11	5.12	5.15	2670808	2916.211024			4
+ 5.11	5.15	5.15	527626.3	576.106419			4
5.30	5.32	5.34	7396659	3464.305068			5
5.56	5.58	5.60	4692330	3264.141732			6
Height Summation:			**29251907**				
Amount Avg CF:			**3395.178071**	Linear:			
Aroclor-1262					6	33.22	
4.91	4.93	4.95	1975472	1494.345079			1
E 5.11	5.12	5.15	2670808	1924.634084			2
+ 5.11	5.15	5.15	527626.3	380.217358			2
E 5.30	5.32	5.34	7396659	2856.368036			3
5.52	5.53	5.56	1180636	1186.673393			4
E 5.56	5.58	5.60	4692330	2613.008629			5
5.94	5.95	5.98	1667043	1687.529354			6
Height Summation:			**19582948**				
Amount Avg CF:			**1960.426429**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229541** ACF DF10 03A12 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.45 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 11:38:56
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**124.59**	
5.52	5.53	5.56	1180636	380.625907			1
5.56	5.58	5.60	4692330	1486.051237			2
5.72	5.73	5.76	88962.8	32.916223			3
5.79	5.80	5.82	28754.48	40.692651			4
+ 5.79	5.82	5.82	27908.88	39.495978			4
5.94	5.95	5.98	1667043	1542.421242			5
6.14	6.15	6.18	333367.9	37.284266			6

Height Summation: **7991094.18**
Amount Avg CF: **586.665254** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			488.0383	94.7368		** 82.09	4	40	
Aroclor-1221			488.0383	146.4115		** 137.45	3	40	
Aroclor-1232			488.0383	117.7033		** 73.09	4	40	
Aroclor-1242			488.0383	117.7033		** 80.42	4	40	
Aroclor-1248			488.0383	94.7368		14.50	4	40	
Aroclor-1254			488.0383	126.3158		6.66	4	40	
Aroclor-1260			488.0383	111.9617		6.12	4	40	
Aroclor-1262			488.0383	94.7368	E	21.17	4	40	
Aroclor-1268			488.0383	94.7368		14.76	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:38:56 AM 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: 07pcbs17292004.0078.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		63461	46216
1.555		52504	39741
1.602		83538	188884
1.659		179759	179937
1.677		131660	153846
1.707		79384	106536
1.729		71994	82010
1.764		67248	70798
1.786		15936	9201
1.814		83469	98069
1.832		71377	98856
1.861		34377	23725
1.878		59625	41208
1.892		47289	28913
1.91		28749	14761
1.934		31866	33122
1.96		48355	44930
1.976		32346	20929
2.002		57535	49242
2.019		60865	49977
2.044		35745	31112
2.069		29395	19847
2.088		70476	67470
2.102		57936	52968
2.133		93361	129792
2.194		90411	152374
2.225		89724	175572
2.26		66082	75968
2.292		266383	203991
2.311		65341	48987
2.338		25533	18092
2.362		43324	59625
2.402		68635	78174
2.434		27685	14089
2.468		57940	44641
2.483		73070	88217
2.513		28953	29984
2.538		47101	56783
2.575		40180	56037
2.607		33578	28744
2.631		12850	6075
2.647		16132	8932
2.7		25381	16013
2.726		36922	37221
2.747		245257	159106
2.798		26912	37523
2.835		33990	26477
2.861		24986	19408
2.886		11614	5479
2.9		28884	17137
2.929		9348	8896
2.979		20976	13878
3.028	TCX	1230232	783105

RT A	Compound A	Height A	Area A
3.079		17401	12928
3.101		26730	33894
3.145		9511	8155
3.18		12626	6339
3.196		13822	6669
3.219		5455	4110
3.241		9583	3994
3.259		5731	2313
3.274		19578	18591
3.31		9661	4174
3.352		313968	240937
3.376		12991	10570
3.404		9443	6430
3.43		10641	5971
3.457		17975	14372
3.48		15633	9522
3.502		36863	22848
3.52		23067	11848
3.538		4028	1547
3.549		4211	1611
3.571		11930	7821
3.592		12354	10882
3.619		29640	19260
3.646		8838	5535
3.666		6744	4062
3.693		21690	12677
3.718		6761	6275
3.748		10017	8961
3.791		23312	13182
3.804		68761	59469
3.844		72261	64895
3.87		1344	308
3.885		1139	708
3.902		56660	56630
3.946		25793	18533
3.972		552807	390354
4		245313	189106
4.023		107679	59223
4.081		4632	2392
4.101		326558	233417
4.126		87557	58593
4.158		106205	74933
4.194		207491	213220
4.235		50700	41387
4.266		21406	14261
4.279		9247	3785
4.3		6140	3274
4.321		57551	40055
4.358		1726615	1248668
4.377		335783	177519
4.402		481661	398083
4.472		501302	442846
4.516		2772982	2623859
4.551		761986	602497
4.592		58977	41953
4.616		116139	88831
4.658		728056	679114
4.712		841527	596593
4.728		334574	293944
4.775		3274259	2805932
4.823		2148701	2409600
4.861		733788	537102
4.901		5716999	5173510
4.95		225547	197778
4.992		2074730	1984460
5.024		66408	42236

RT A	Compound A	Height A	Area A
5.05		1170078	1073185
5.104		6322554	5072237
5.12		543147	282170
5.155		1231111	1056294
5.195		4109791	4157908
5.238		169997	111231
5.275		737074	883440
5.31		9881528	8711867
5.333		409826	209191
5.351		151685	63418
5.375		4036569	3497694
5.418		2618057	2447686
5.454		7763	9881
5.515		876825	663135
5.537		4271666	3379972
5.595		2404148	2041994
5.635		1316475	1254980
5.675		199963	215215
5.717		1690235	1501545
5.745		96781	59512
5.774		12773220	11625720
5.916		2094	1295
5.98		6930917	6367864
6.033		1531975	3028177
6.147		36795	26880
6.168		52166	40853
6.224		141358	112261
6.25		1036136	907534
6.315		13348	16792
6.353		2146	1430
6.374		8753	5600
6.405		2500435	2305727
6.449		126930	111605
6.476		11772	8567
6.541		2180	1022
6.605		434465	411112
6.637		2777	3347
6.688		3275	3523
6.717		3173	1519
6.75	DCB	660614	740434
6.82		8005	7522
6.848		1198	349
6.918		1905	1205
6.987		1448	744
7.019		3064	2423
7.053		1758	1067
7.139		1015	1876
7.155		6153	6513
7.188		1660	680
7.209		1921	1310
7.235		2616	1825
7.338		1384	1253
7.361		1517	654
7.414		2967	6026
7.473		4315	4411
7.504		1092	633
7.558		4381	4211
7.612		2667	3776
7.638		1768	446
7.666		1421	1722
7.686		2874	2603
7.729		1214	519
7.774		2523	2880
7.835		3607	7164
7.919		1991	1540
7.984		9518	18034

RT A	Compound A	Height A	Area A
8.033		1463	357
8.064		928	316
8.109		2375	2238
8.137		1425	734
8.18		1797	1258
8.235		50360	82809
8.313		1646	603
8.35		1679	527
8.413		1652	1533
8.463		1873	615
8.541		1588	557
8.583		2045	2864
8.624		1019	220
8.641		1285	384

LANCASTER LABORATORIES

Sample Number: 9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:38:56 AM 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, 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: 07pcbs17292004B.0078.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.583		22643	25093
1.598		25906	21257
1.637		13479	12613
1.696		20510	20484
1.716		11217	7682
1.761		6908	5965
1.824		10049	12278
1.847		10381	10081
1.88		13726	14583
1.908		21215	33077
1.951		12345	11893
1.974		11270	12520
1.991		29889	30290
2.019		11222	8663
2.04		20857	18015
2.076		137200	119711
2.125		8597	6686
2.142		6774	3871
2.168		6115	3908
2.187		7248	6633
2.224		14571	16981
2.284		16288	17099
2.311		9109	13086
2.355		6611	3492
2.435		19990	39127
2.491		162518	114550
2.543		2196	1299
2.568		5362	4811
2.59		4073	2744
2.62		8181	8373
2.667		10639	10530
2.703		6517	5109
2.746	TCX	686666	472240
2.806		2368	1069
2.837		4636	4848
2.862		2972	2835
2.917		5781	4969
2.947		6079	4438
2.967		11712	8623
3.004		2280	1223
3.046		195879	157606
3.081		5750	3430
3.107		10266	6564
3.144		7398	8164
3.171		4897	4374
3.243		31239	39265
3.292		3695	2618
3.317		8696	11179
3.366		31694	22283
3.403		14138	11639
3.448		11814	6552
3.467		3757	2884
3.515		11330	5580
3.525		43126	20964

3.546		19373	9441
3.559		17969	8768
3.634		41440	29767
3.668		361522	244599
3.693		213341	131870
3.711		97753	53162
3.744		4437	2500
3.801		228677	166629
3.826		55505	31799
3.848		72511	53808
3.88		25495	13376
3.897		111261	72771
3.94		34442	32648
3.983		35498	34994
4.013		88345	52769
4.036		1438534	1068659
4.062		182060	111622
4.083		107533	59927
4.102		286249	197339
4.139		1733037	1347015
4.172		475100	336643
4.192		191094	109938
4.255		87744	79212
4.291		414505	357488
4.318		27182	22110
4.351		802462	671217
4.397		191963	193360
4.415		994250	601523
4.428		486659	265169
4.456		599711	613985
4.51		3806357	3311896
4.549		153314	148386
4.582		1038643	773541
4.608		888601	689340
4.652		5228897	4438247
4.708		52533	38796
4.76		3776530	3769990
4.813		889872	890333
4.855		1033172	970620
4.893		5486685	4892889
4.926		1975472	1542032
4.966		1498189	1305816
5.037		24184	23597
5.07		466501	602466
5.123		2670809	2210911
5.146		527626	356130
5.197		1532353	1461686
5.233		741690	600429
5.261		519515	433661
5.294		214002	139784
5.316		7396659	6459803
5.357		130260	98132
5.391		198055	178140
5.508		44567	29724
5.532		1180636	1047951
5.576		4692330	5295515
5.732		88963	82408
5.775		145025	121412
5.8		28754	18148
5.822		27909	16927
5.85		684231	627045
5.891		7098	5714
5.928		4414	2498
5.955		1667043	1501731
5.986		87860	65944
6.155		333368	327740
6.315	DCB	498259	486929

6.522	59074	73730
6.738	2035	1293
6.783	5362	7099
6.832	1775	2186
6.942	1549	1485
7.017	2007	2498
7.059	1877	2281
7.115	1794	2604
7.258	5764	7216
7.59	1477	2002
7.878	25116	50738
8.113	2785	4458
8.22	1805	2976
8.503	4867	14274
8.617	2080	2382

9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082

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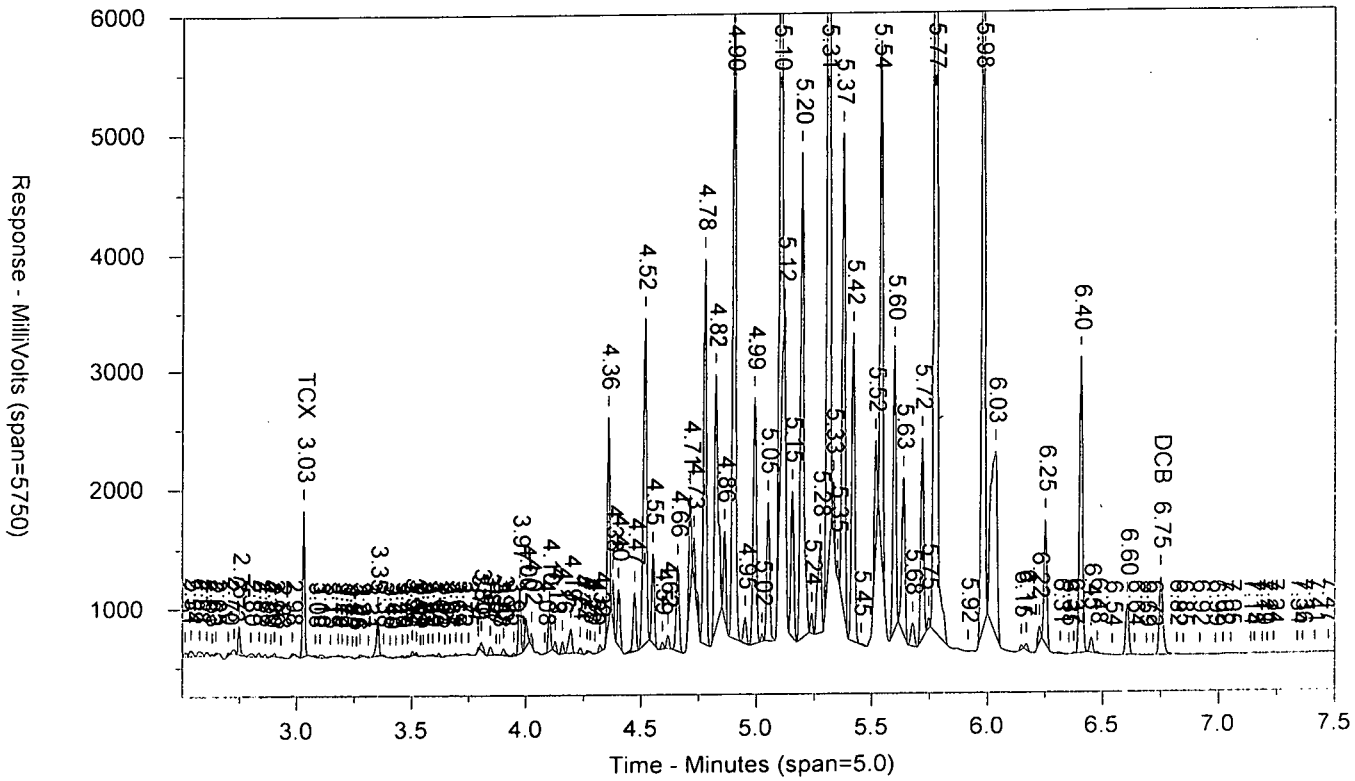

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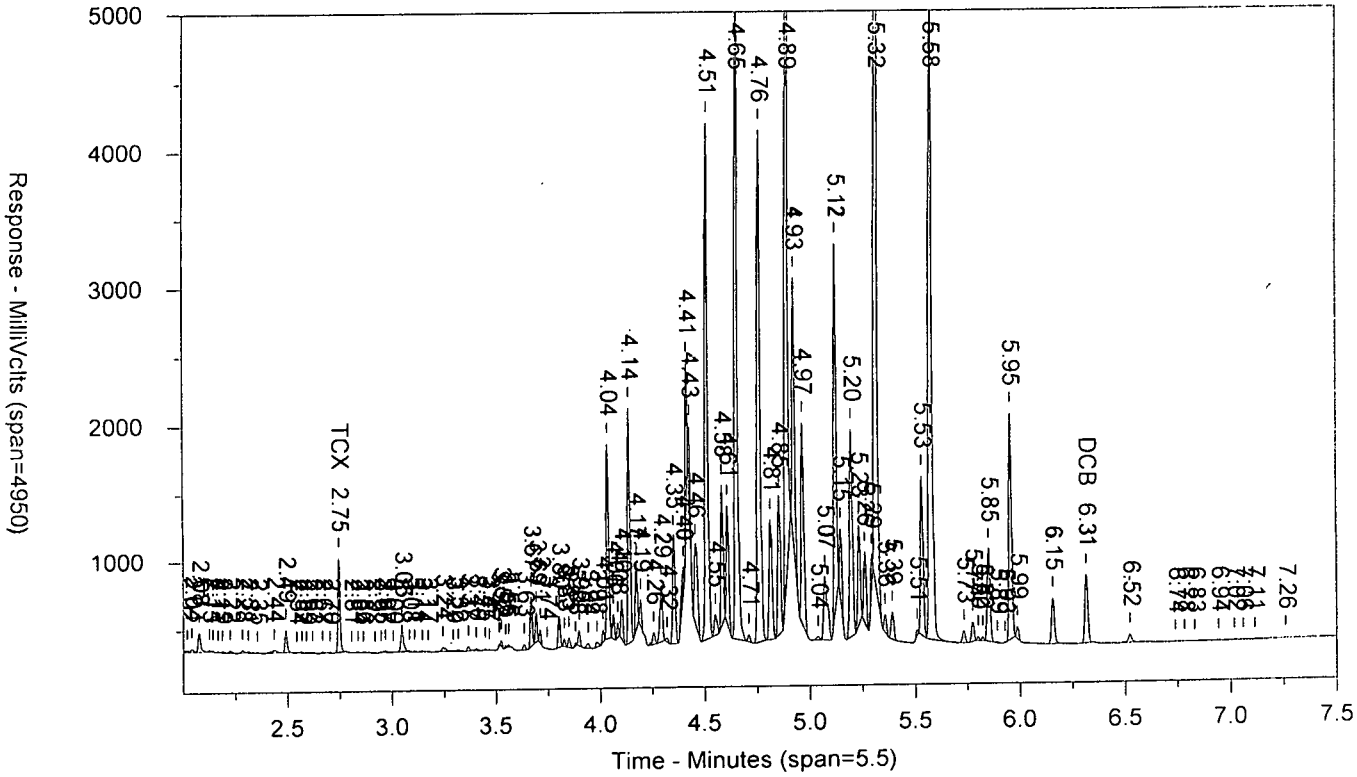

LANCASTER LABORATORIES

Sample Number: 9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:38:56 AM
Sample Weight: 10.45
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	1230232	18.541	TCX	2.746	686666	21.647	TCX
6.75	660614	24.769	DCB	6.315	498259	20.664	DCB

Files:
Area File: 07pcbs17292004.0078.RAW
Area File: 07pcbs17292004B.0078.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:47:36 AM
File Reported On: 10/25/2017 at 11:47:52 AM

9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082

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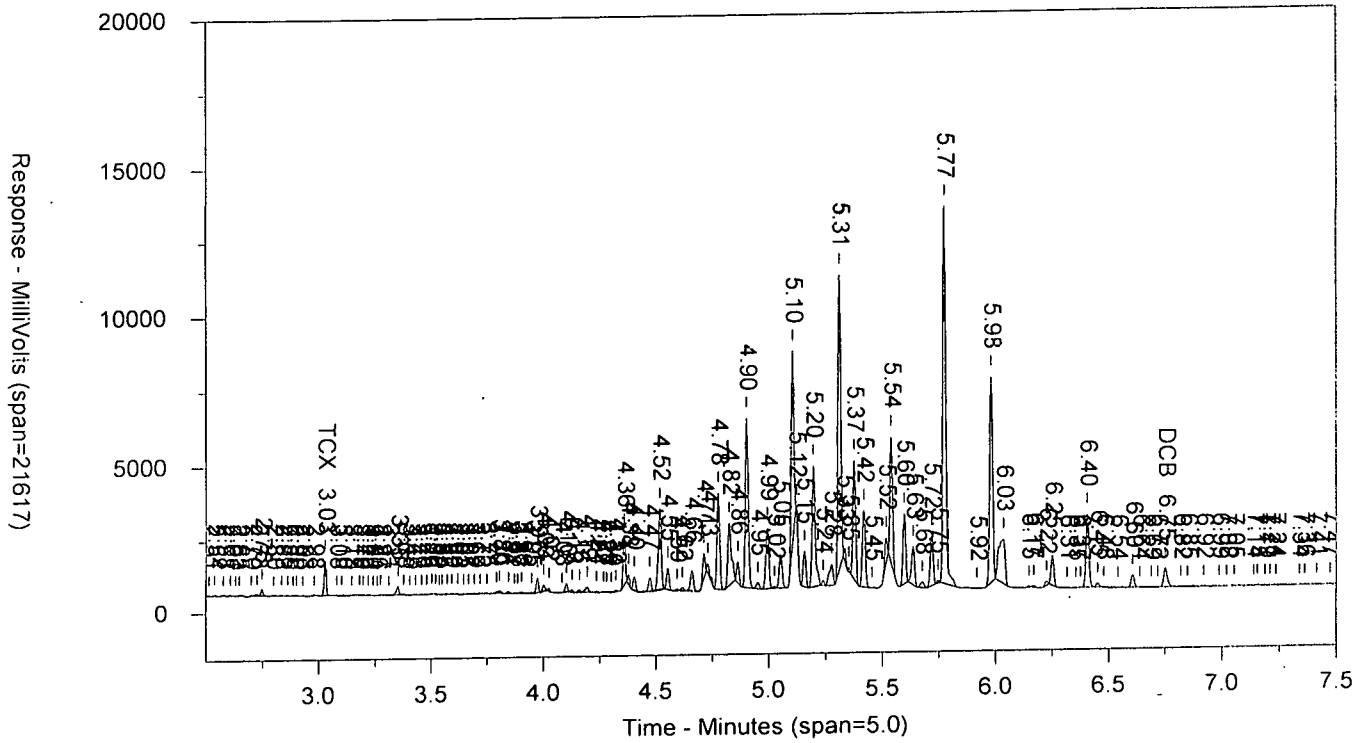

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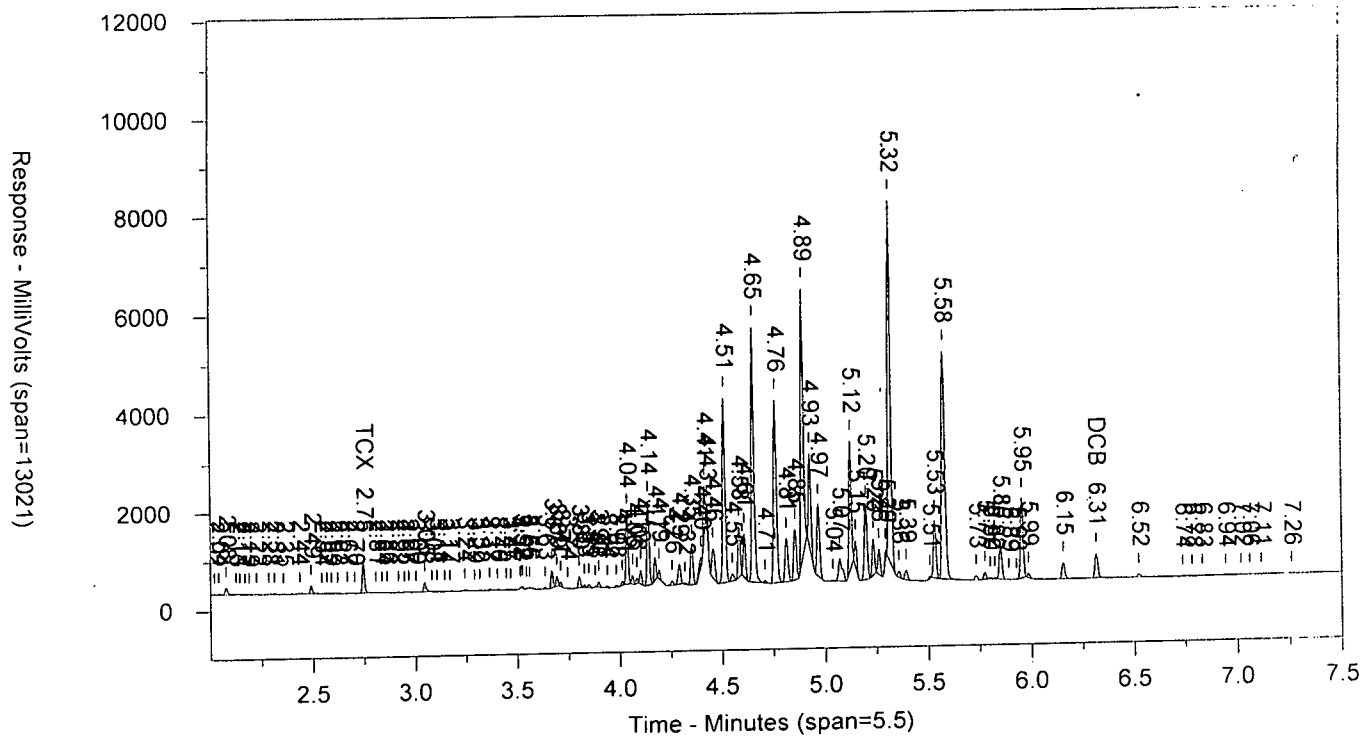

9229541 ACF DF10 AC03A12 T 172850029A 10225 SW-846 8082

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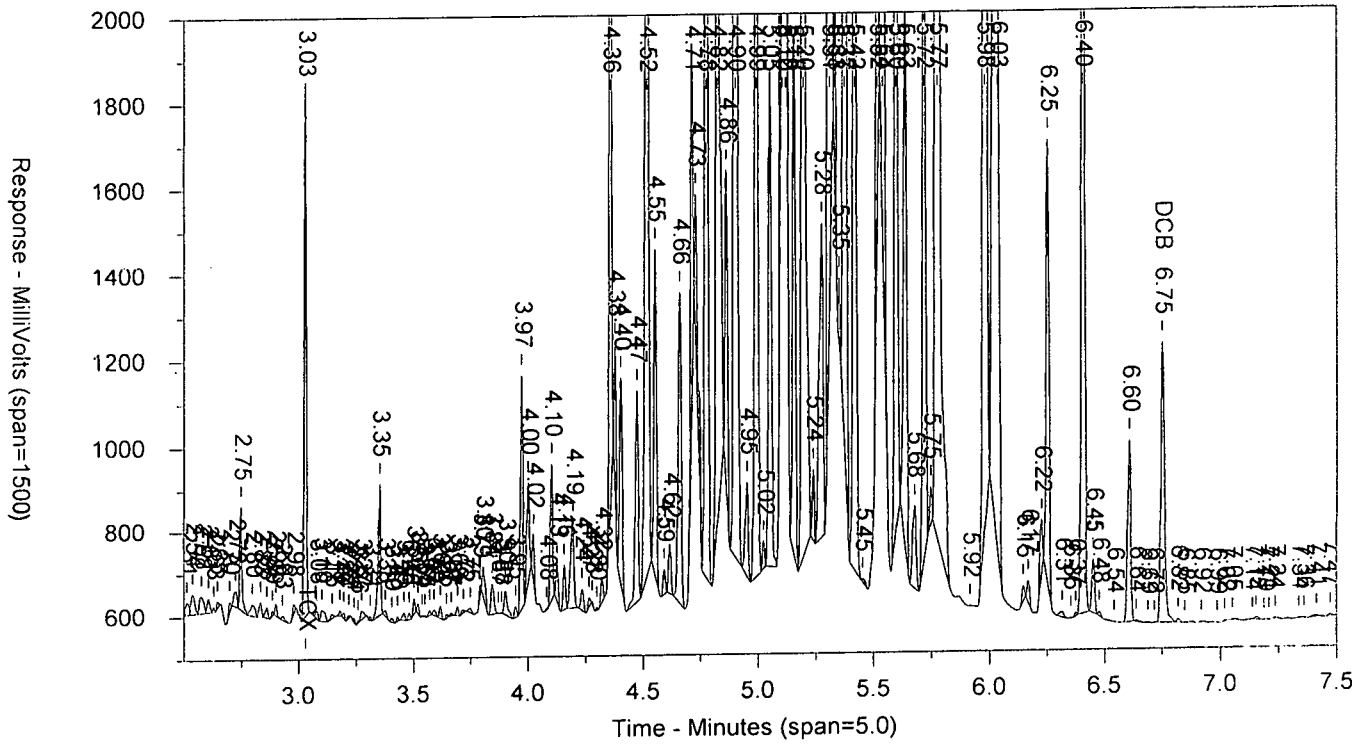

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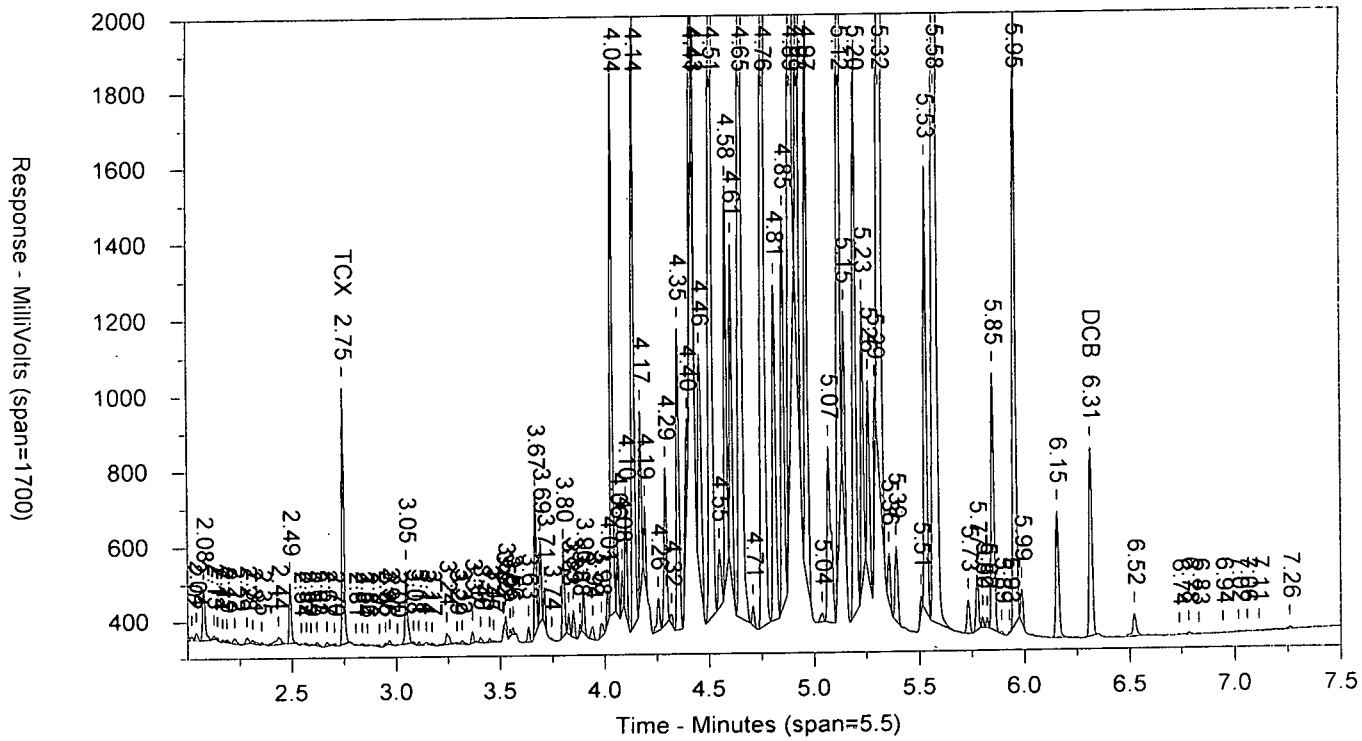

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Data Summary

Sample Name: 9229542 ACF DF20 03A13 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 11:50:28
Instrument	19843A
Result file	07PCBS17292004.0079.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 66% (61 - 152) Conc: 19.56241
%SSR(DCB) 101% (48 - 164) Conc: 26.83211

Analysis Report (B)

Injected on	Oct 25, 2017 11:50:28
Instrument	19843B
Result file	07PCBS17292004B.0079.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 81% (61 - 152) Conc: 24.10316
%SSR(DCB) 94% (48 - 164) Conc: 24.94647

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	637211	19.56241	Tetrachloro-m-xylene	2.72	2.75	2.78	375335	24.10316
Decachlorobiphenyl	6.72	6.75	6.78	351315	26.83211	Decachlorobiphenyl	6.29	6.32	6.35	295288	24.94647

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	24.10316				20.80	
☑	Tetrachloro-m-xylene-D1	A	19.56241					
☑	Tetrachloro-m-xylene-D2	B	24.10316					
☐	Decachlorobiphenyl	A	26.83211				7.28	
☑	Decachlorobiphenyl-D1	A	26.83211					
☑	Decachlorobiphenyl-D2	B	24.94647					

Multiple Component Data

Aroclor-1260 (%RSD 9.62)

Min	RT	Max	Height	Amount	Pks	Peak
4.88	4.90	4.92	6424650	7049.815389		1
5.29	5.31	5.33	10352430	8644.590329		2
5.36	5.38	5.40	4450474	7342.53517		3
5.52	5.54	5.56	4496120	7169.533106		4
5.76	5.77	5.80	13000230	8713.977923		5
5.96	5.98	6.00	7506068	8184.76846		6

Height summation: **46229972**
Concentration CF: **7850.870063** L:

Aroclor-1260 (%RSD 10.13)

Min	RT	Max	Height	Amount	Pks	Peak
4.64	4.65	4.68	5666424	8194.081866		1
4.75	4.76	4.78	4249036	7067.63659		2
4.88	4.89	4.92	6077049	8868.571327		3
5.11	5.12	5.15	3068660	6825.335069		4
5.30	5.32	5.34	8504186	8113.574112		5
5.56	5.58	5.60	5178230	7337.713019		6

Height summation: **32743585**
Concentration CF: **7734.485331** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<994.152	<192.9825	D1		4	
☑	PCB-1221			<994.152	<298.2456	D1		3	
☑	PCB-1232			<994.152	<239.7661	D1		4	
☑	PCB-1242			<994.152	<239.7661	D1		4	
☑	PCB-1248			<994.152	<192.9825	D1		4	
☑	PCB-1254			<994.152	<257.3099	D1		4	
☑	PCB-1260	A	7850.870063	994.152	228.0702	D1	1.49	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:26

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229542** ACF DF20 03A13 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 66% (61-152) Conc.: 19.56241 no
%SSR(DCB) : 101% (48-164) Conc.: 26.83211

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**138.46**	
3.27	3.28	3.31	17520.24	34.101482			1
3.48	3.50	3.52	35896.12	67.232008			2
+ 3.48	3.52	3.52	24011.41	44.972418			2
3.60	3.62	3.64	43722.35	71.016595			3
3.82	3.85	3.86	74908.47	104.468545			4
+ 3.88	3.88	3.92	1254.987	2.093032			5
3.88	3.90	3.92	65014.12	108.428745			5
4.08	4.10	4.12	298089.4	669.508829			6
Height Summation:			**535150.7**				
Amount Avg CF:			**175.792701**	Linear:			
Aroclor-1221					**3**	**48.98**	
+ 3.16	3.18	3.20	9304.902	35.372263			1
3.16	3.20	3.20	16603.17	63.116376			1
+ 3.22	3.22	3.26	13561.26	59.797			2
3.22	3.24	3.26	14402.38	63.505833			2
3.27	3.28	3.31	17520.24	21.440873			3
Height Summation:			**48525.79**				
Amount Avg CF:			**49.354361**	Linear:			
Aroclor-1232					**6**	**151.08**	
3.26	3.28	3.30	17520.24	27.993567			1
+ 3.48	3.48	3.52	14899.72	60.135833			2
3.48	3.50	3.52	35896.12	144.878098			2
+ 3.48	3.52	3.52	24011.41	96.910959			2
3.60	3.62	3.64	43722.35	151.557674			3
3.82	3.85	3.86	74908.47	212.243119			4
+ 3.88	3.88	3.92	1254.987	4.719394			5
3.88	3.90	3.92	65014.12	244.486415			5
+ 4.08	4.08	4.12	11418.94	62.67048			6
4.08	4.10	4.12	298089.4	1636.00174			6
Height Summation:			**535150.7**				
Amount Avg CF:			**402.860102**	Linear:			
Aroclor-1242					**6**	**141.25**	
3.27	3.28	3.31	17520.24	39.80419			1
3.48	3.50	3.52	35896.12	81.024102			2
+ 3.48	3.52	3.52	24011.41	54.19814			2
3.60	3.62	3.64	43722.35	85.249047			3
3.82	3.85	3.86	74908.47	121.211398			4
+ 3.88	3.88	3.92	1254.987	2.709286			5
3.88	3.90	3.92	65014.12	140.353502			5
4.08	4.10	4.12	298089.4	846.500128			6
Height Summation:			**535150.7**				
Amount Avg CF:			**219.023728**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 81% (61-152) Conc.: 24.10316
%SSR(DCB) : 94% (48-164) Conc.: 24.94647

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**83.50**	
3.02	3.05	3.06	248971.7	905.907643			1
3.35	3.37	3.39	43500.68	130.589854			2
3.54	3.55	3.58	25284.73	76.10747			3
+ 3.54	3.56	3.58	13305.66	40.050265			3
+ 3.54	3.58	3.58	19853.38	59.759014			3
3.62	3.64	3.66	49215.22	142.433857			4
3.68	3.69	3.72	219333.2	841.177705			5
+ 3.68	3.71	3.72	120968.1	463.931902			5
3.79	3.80	3.83	207550.6	716.269279			6
Height Summation:			**793856.13**				
Amount Avg CF:			**468.747635**	Linear:			
Aroclor-1221					**2**	**104.24**	
2.96	2.97	3.00	8594.089	92.199463			2
3.02	3.05	3.06	248971.7	609.13298			3
Height Summation:			**257565.789**				
Amount Avg CF:			**350.666221**	Linear:			
Aroclor-1232					**6**	**95.16**	
3.02	3.05	3.06	248971.7	770.169974			1
3.35	3.37	3.39	43500.68	280.767842			2
3.54	3.55	3.58	25284.73	159.684469			3
+ 3.54	3.56	3.58	13305.66	84.031242			3
+ 3.54	3.58	3.58	19853.38	125.383045			3
3.62	3.64	3.66	49215.22	326.547482			4
3.68	3.69	3.72	219333.2	2276.71403			5
+ 3.68	3.71	3.72	120968.1	1255.66841			5
3.79	3.80	3.83	207550.6	1762.524947			6
Height Summation:			**793856.13**				
Amount Avg CF:			**929.401457**	Linear:			
Aroclor-1242					**6**	**84.03**	
3.02	3.05	3.06	248971.7	1053.042663			1
3.35	3.37	3.39	43500.68	154.451071			2
3.54	3.55	3.58	25284.73	86.453507			3
+ 3.54	3.56	3.58	13305.66	45.494691			3
+ 3.54	3.58	3.58	19853.38	67.882644			3
3.62	3.64	3.66	49215.22	175.669861			4
3.68	3.69	3.72	219333.2	1084.112948			5
+ 3.68	3.71	3.72	120968.1	597.917158			5
3.79	3.80	3.83	207550.6	872.316833			6
Height Summation:			**793856.13**				
Amount Avg CF:			**571.007814**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229542** ACF DF20 03A13 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	138.36	
3.82	3.85	3.86	74908.47	190.415936			1
+ 3.88	3.88	3.92	1254.987	3.817249			2
3.88	3.90	3.92	65014.12	197.75111			2
3.95	3.97	3.99	501151.3	894.242798			3
+ 4.08	4.08	4.12	11418.94	18.207708			4
4.08	4.10	4.12	298089.4	475.308975			4
4.17	4.19	4.21	203382.6	388.946986			5
4.36	4.36	4.40	1824624	3631.931713			6
+ 4.36	4.38	4.40	249137.2	495.910005			6
Height Summation:			**2967169.89**				
Amount Avg CF:			**963.099586**	Linear:			
Aroclor-1254					6	93.37	
4.69	4.71	4.73	710293.4	1157.93953			1
+ 4.69	4.73	4.73	446388.2	727.714129			1
4.76	4.78	4.80	3023838	2486.523067			2
4.88	4.90	4.92	6424650	17350.061676			3
4.97	4.99	5.01	1786912	2252.274765			4
5.17	5.20	5.21	3988195	6429.110383			5
5.29	5.31	5.33	10352430	13074.914795			6
Height Summation:			**26286318.4**				
Amount Avg CF:			**7125.137369**	Linear:			
Aroclor-1260					6	9.62	
4.88	4.90	4.92	6424650	7049.815389			1
5.29	5.31	5.33	10352430	8644.590329			2
5.36	5.38	5.40	4450474	7342.53517			3
5.52	5.54	5.56	4496120	7169.533106			4
5.76	5.77	5.80	13000230	8713.977923			5
5.96	5.98	6.00	7506068	8184.76846			6
Height Summation:			**46229972**				
Amount Avg CF:			**7850.870063**	Linear:			
Aroclor-1262					6	37.19	
E 5.35	5.38	5.39	4450474	4541.624903			1
E 5.52	5.54	5.56	4496120	5333.271878			2
E 5.75	5.77	5.79	13000230	7393.529163			3
E 5.96	5.98	6.00	7506068	6579.15724			4
6.01	6.03	6.05	1092126	2028.720392			5
E 6.38	6.41	6.42	2607758	4445.116142			6
Height Summation:			**33152776**				
Amount Avg CF:			**5053.569953**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	123.89	
3.54	3.55	3.58	25284.73	155.428606			1
+ 3.54	3.56	3.58	13305.66	81.791666			1
+ 3.54	3.58	3.58	19853.38	122.041374			1
3.62	3.64	3.66	49215.22	249.417856			2
3.68	3.69	3.72	219333.2	755.76481			3
+ 3.68	3.71	3.72	120968.1	416.824416			3
3.79	3.80	3.83	207550.6	515.622741			4
+ 3.88	3.88	3.92	22934.55	94.224646			5
3.88	3.90	3.92	109306.2	449.075216			5
4.02	4.04	4.06	1484716	2928.504371			6
Height Summation:			**2095405.95**				
Amount Avg CF:			**842.302267**	Linear:			
Aroclor-1254					6	95.21	
4.34	4.35	4.38	740355.1	1734.860629			1
4.40	4.42	4.44	781608.2	1055.155972			2
+ 4.40	4.43	4.44	748613.8	1010.614169			2
4.50	4.51	4.54	4274976	11931.431774			3
4.57	4.58	4.61	874034.7	1904.53194			4
E 4.64	4.65	4.68	5666424	19416.81397			5
4.88	4.89	4.92	6077049	11116.871168			6
Height Summation:			**18414447**				
Amount Avg CF:			**7859.944242**	Linear:			
Aroclor-1260					6	10.13	
4.64	4.65	4.68	5666424	8194.081866			1
4.75	4.76	4.78	4249036	7067.63659			2
4.88	4.89	4.92	6077049	8868.571327			3
5.11	5.12	5.15	3068660	6825.335069			4
+ 5.11	5.15	5.15	479869.2	1067.328436			4
5.30	5.32	5.34	8504186	8113.574112			5
5.56	5.58	5.60	5178230	7337.713019			6
Height Summation:			**32743585**				
Amount Avg CF:			**7734.48533**	Linear:			
Aroclor-1262					6	33.04	
4.91	4.93	4.95	2347540	3617.361779			1
E 5.11	5.12	5.15	3068660	4504.568566			2
E 5.30	5.32	5.34	8504186	6689.755462			3
5.52	5.53	5.56	1287651	2636.40592			4
E 5.56	5.58	5.60	5178230	5873.981284			5
E 5.94	5.96	5.98	1903028	3924.177446			6
Height Summation:			**22289295**				
Amount Avg CF:			**4541.041743**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229542** ACF DF20 03A13 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.26 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**126.63**	
5.96	5.98	5.99	7506068	3532.630226			1
+ 6.01	6.01	6.05	345942.8	190.049629			2
6.01	6.03	6.05	1092126	599.978208			2
+ 6.15	6.15	6.19	46360.61	27.641542			3
6.15	6.17	6.19	54477.73	32.481204			3
6.21	6.22	6.25	160498.6	357.715281			4
E 6.38	6.41	6.42	2607758	3940.54561			5
6.58	6.60	6.62	475731.5	92.723929			6

Height Summation: **11896659.83**
Amount Avg CF: **1426.01241** Linear:

Analysis Report (B)

Injected on : Oct 25, 2017 11:50:28
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**124.90**	
5.52	5.53	5.56	1287651	845.628123			1
5.56	5.58	5.60	5178230	3340.607854			2
5.72	5.73	5.76	101313.8	76.360556			3
+ 5.79	5.80	5.82	28261.28	81.470656			4
5.79	5.82	5.82	35693.64	102.89641			4
5.94	5.96	5.98	1903028	3586.743327			5
6.14	6.16	6.18	373679.7	85.133454			6

Height Summation: **8879596.14**
Amount Avg CF: **1339.561621** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			994.152	192.9825		** 90.90	4	40	
Aroclor-1221			994.152	298.2456		** 150.65	3	40	
Aroclor-1232			994.152	239.7661		** 79.04	4	40	
Aroclor-1242			994.152	239.7661		** 89.11	4	40	
Aroclor-1248			994.152	192.9825		13.38	4	40	
Aroclor-1254			994.152	257.3099		9.81	4	40	
Aroclor-1260			994.152	228.0702		1.49	4	40	
Aroclor-1262			994.152	192.9825	E	10.68	4	40	
Aroclor-1268			994.152	192.9825	E	6.25	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:50:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 10c/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: 07pcbs17292004.0079.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		35133	30326
1.556		26106	18576
1.6		92063	218686
1.659		274798	316617
1.707		90565	157258
1.734		71269	77443
1.766		88712	90873
1.811		86874	105864
1.832		74399	77240
1.862		34208	22797
1.879		32699	22087
1.893		38747	24958
1.912		38321	26101
1.937		41067	44332
1.96		37300	36158
1.977		33493	24779
2.003		52130	40700
2.021		57716	50208
2.048		39556	30281
2.071		27113	18154
2.088		67607	62965
2.106		57691	58319
2.134		113740	132322
2.159		38082	28127
2.195		88598	152410
2.217		82300	69819
2.234		83980	117703
2.262		71872	84069
2.293		289376	229676
2.312		66058	43374
2.322		66838	47034
2.34		25028	21449
2.365		47844	63235
2.404		69161	81953
2.434		44182	29285
2.483		72698	135759
2.539		49853	83554
2.58		43151	66328
2.607		35216	32069
2.632		12377	5347
2.651		52583	79670
2.701		33480	23495
2.728		51718	44847
2.748		217413	137711
2.801		35602	50940
2.835		47602	36201
2.862		34414	28607
2.886		15704	7088
2.902		32649	22375
2.932		12430	12710
2.98		40655	45650
3.029	TCX	637211	417761
3.081		20832	14824

RT A	Compound A	Height A	Area A
3.103		31075	38821
3.154		9020	13873
3.181		9305	4541
3.197		16603	8307
3.22		13561	12905
3.242		14402	6581
3.259		9396	4244
3.275		17520	15759
3.313		14980	7623
3.353		388644	292893
3.377		17087	12875
3.405		10294	6272
3.431		11304	6573
3.457		19353	16102
3.482		14900	9742
3.504		35896	21804
3.52		24011	13003
3.539		3819	1315
3.549		4587	1917
3.573		13344	9701
3.592		12903	10776
3.621		43722	30164
3.648		6237	3786
3.665		10132	8160
3.694		18900	11097
3.718		5382	4226
3.746		8486	7965
3.793		24188	12296
3.805		79712	70593
3.846		74908	75118
3.885		1255	563
3.904		65014	77867
3.948		38005	26983
3.974		501151	357340
4.001		253578	191568
4.024		128504	75581
4.052		12985	7938
4.081		11419	6801
4.103		298089	206135
4.127		96882	63045
4.159		115135	82601
4.195		203383	214266
4.236		52825	43984
4.267		46575	52616
4.302		7154	4193
4.323		56052	39254
4.359		1824624	1334447
4.378		249137	127283
4.404		465270	377960
4.473		539674	464793
4.518		2911469	2649716
4.552		637783	498993
4.594		61240	42946
4.617		100634	76479
4.66		613476	583007
4.713		710293	482172
4.73		446388	322131
4.776		3023838	2559884
4.824		2508553	2742015
4.862		734035	519059
4.903		6424650	5689536
4.951		170049	151431
4.993		1786912	1725417
5.025		67471	43233
5.052		1274060	1128434
5.104		6794767	5427438

RT A	Compound A	Height A	Area A
5.12		433666	269084
5.156		1341116	1159097
5.196		3988195	4204606
5.239		136304	82099
5.276		771356	908898
5.311		10352430	9074192
5.334		456028	223423
5.352		140539	61439
5.376		4450474	3759589
5.419		2870228	2670903
5.464		5965	4450
5.516		783246	639983
5.538		4496121	3677293
5.596		2492649	2188069
5.635		1444312	1351460
5.676		215372	233246
5.718		1678538	1532038
5.747		102575	62496
5.775		13000230	12467410
5.923		2943	1941
5.98		7506069	6810501
6.013		345943	268516
6.035		1092126	1032009
6.148		46361	37919
6.169		54478	39667
6.199		2424	1195
6.225		160499	124994
6.251		1156261	1001972
6.315		16637	14446
6.375		8969	5660
6.405		2607758	2492173
6.45		140664	124498
6.477		5267	2783
6.605		475732	443535
6.641		4735	5042
6.721		2736	1939
6.752	DCB	351315	368947
6.789		13783	11560
6.822		9955	8214
6.924		3370	3304
6.973		26858	28334
7.022		3096	2820
7.111		1557	847
7.198		938	1040
7.213		1516	519
7.242		2546	2812
7.271		1367	349
7.292		5720	6692
7.359		6354	9889
7.472		3289	3316
7.502		1304	539
7.523		1956	1955
7.605		2649	2704
7.683		1729	785
7.741		1713	710
7.755		1324	393
7.812		1710	531
7.852		1053	191
7.976		6987	9963
8.087		1668	2825
8.231		7943	13300
8.307		1360	2112
8.388		1595	367
8.501		1388	807
8.533		1149	1610

LANCASTER LABORATORIES

Sample Number: 9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:50:28 AM 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, 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: 07pcbs17292004B.0079.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		34978	50531
1.639		9089	8422
1.693		10088	12530
1.715		9226	7770
1.76		12015	20304
1.788		11010	9751
1.825		11544	15327
1.847		10659	8718
1.883		12062	11950
1.91		32780	41638
1.951		14848	20291
1.974		14715	14794
1.993		15578	16187
2.019		10014	7314
2.041		21303	17312
2.076		152930	131768
2.125		6356	5248
2.169		11407	7815
2.2		8498	7656
2.223		11057	11764
2.284		16403	19172
2.313		7207	4681
2.354		6926	3748
2.371		3033	1508
2.394		7558	4844
2.435		7050	3155
2.491		156418	119458
2.539		2793	1528
2.57		5424	4738
2.59		4690	3019
2.62		8455	8024
2.668		10409	9526
2.705		4474	2479
2.746	TCX	375335	260966
2.837		5861	6116
2.862		4027	5344
2.949		4464	3730
2.968		8594	7113
3.046		248972	200193
3.081		5713	3837
3.107		10032	5693
3.144		8917	9501
3.172		8985	7472
3.211		2302	2230
3.244		31297	34496
3.293		2942	1503
3.317		7936	10110
3.366		43501	33863
3.404		12435	10154
3.448		15449	10136
3.466		3353	1421
3.494		2574	1909
3.526		81307	75022
3.546		25285	12807

3.56		13306	5957
3.577		19853	10824
3.636		49215	38143
3.669		322865	220454
3.694		219333	133265
3.712		120968	66894
3.803		207551	151298
3.827		59295	33578
3.849		79260	60953
3.881		22935	12021
3.898		109306	74073
3.941		33513	32396
3.984		30300	29875
4.014		69751	41043
4.036		1484716	1087856
4.063		168181	101800
4.084		101653	56925
4.103		292068	203484
4.14		1832258	1401722
4.174		397596	287962
4.194		169215	107477
4.256		74417	62865
4.292		350923	303302
4.321		30672	24050
4.353		740355	590746
4.397		269568	205154
4.416		781608	461829
4.43		748614	407514
4.457		666071	684313
4.511		4274976	3646151
4.55		120457	128363
4.584		874035	637884
4.609		964417	766329
4.653		5666424	4887972
4.711		53767	41729
4.761		4249036	4143971
4.815		784810	776978
4.856		1102320	1034808
4.894		6077049	5291426
4.928		2347540	1755366
4.968		1702368	1489105
5.015		3215	1648
5.038		17082	14807
5.072		522000	656056
5.124		3068661	2482098
5.148		479869	328109
5.199		1741240	1622378
5.234		828951	675935
5.262		554538	466829
5.296		212532	140579
5.317		8504186	7204616
5.359		137751	109295
5.392		215105	194661
5.51		51749	32122
5.534		1287651	1141320
5.577		5178231	5889822
5.733		101314	94632
5.777		156572	133165
5.802		28261	17887
5.823		35694	22204
5.851		772799	696488
5.891		8149	6925
5.929		4512	2828
5.956		1903028	1651171
5.988		96890	73318
6.156		373680	360333
6.316	DCB	295288	285579

6.351	6531	4998
6.431	9136	9491
6.491	7023	5690
6.522	9440	6213
6.54	18972	14124
6.689	2309	2321
6.759	1511	4954
6.791	4112	4907
7.063	2251	3102
7.143	2198	2062
7.258	4649	5746
7.379	1428	1605
7.591	1673	2941
7.672	1445	2341
7.733	1137	1176
7.875	4031	5326
8.133	1571	3960
8.407	1994	6360
8.511	3426	6454
8.623	3256	5377

9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082

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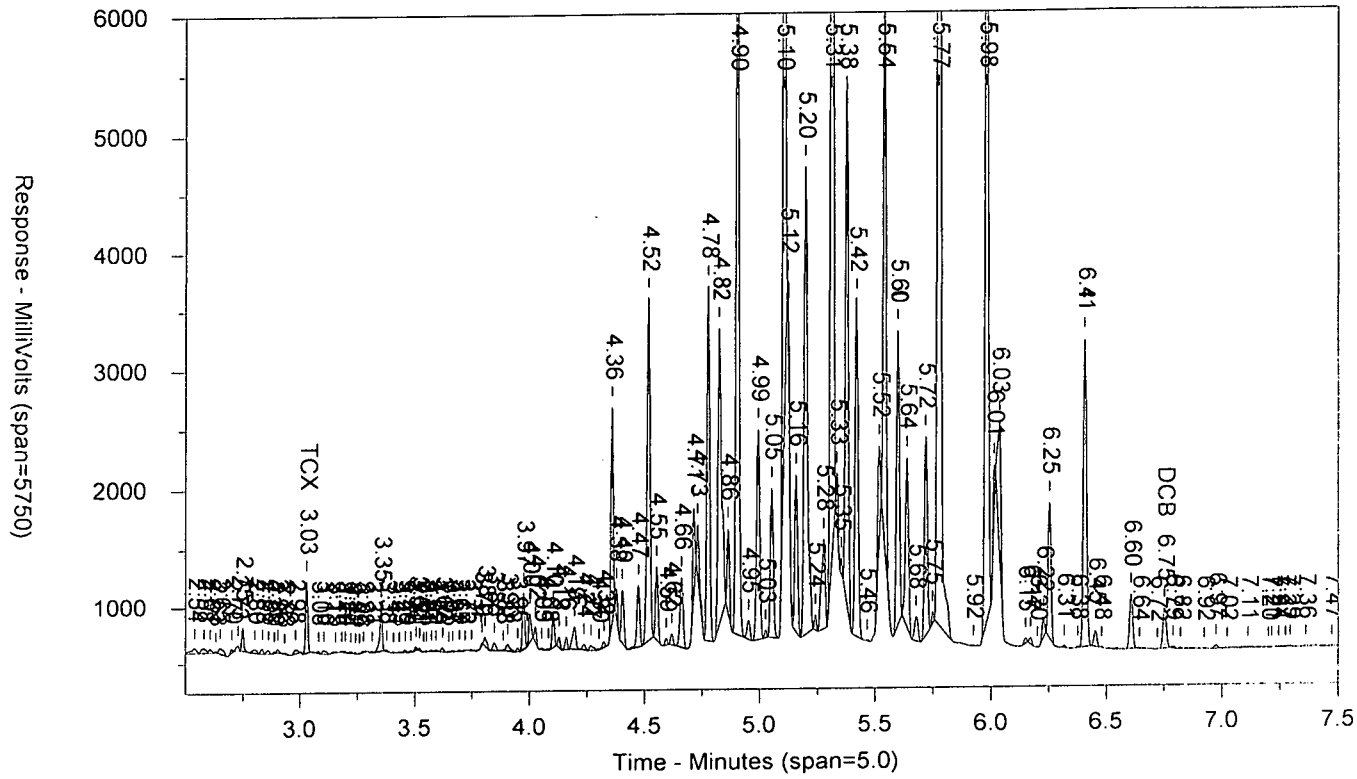

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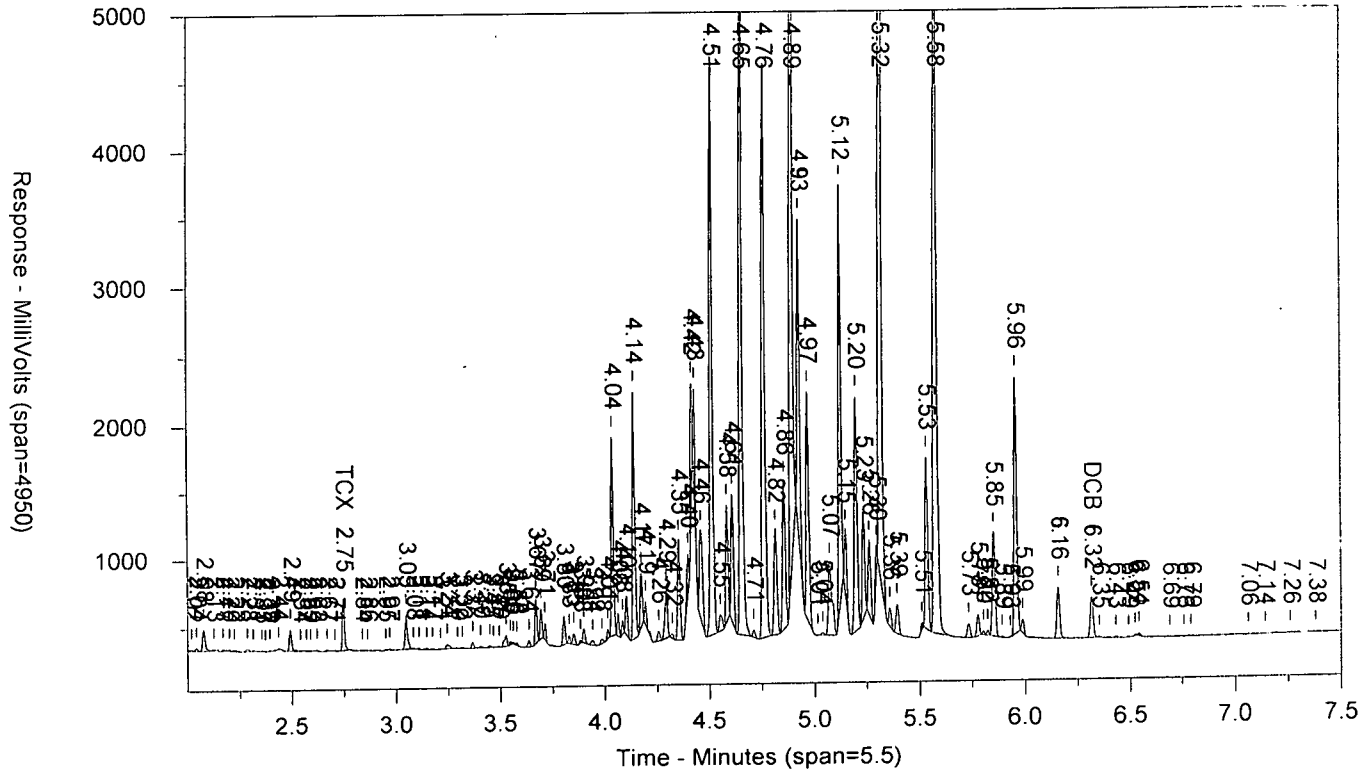

LANCASTER LABORATORIES

Sample Number: 9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 11:50:28 AM
Sample Weight: 10.26
Dilution Factor: 200
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	637211	19.562	TCX	2.746	375335	24.103	TCX
6.752	351315	26.832	DCB	6.316	295288	24.946	DCB

Files:
Area File: 07pcbs17292004.0079.RAW
Area File: 07pcbs17292004B.0079.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:59:07 AM
File Reported On: 10/25/2017 at 11:59:34 AM

9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082

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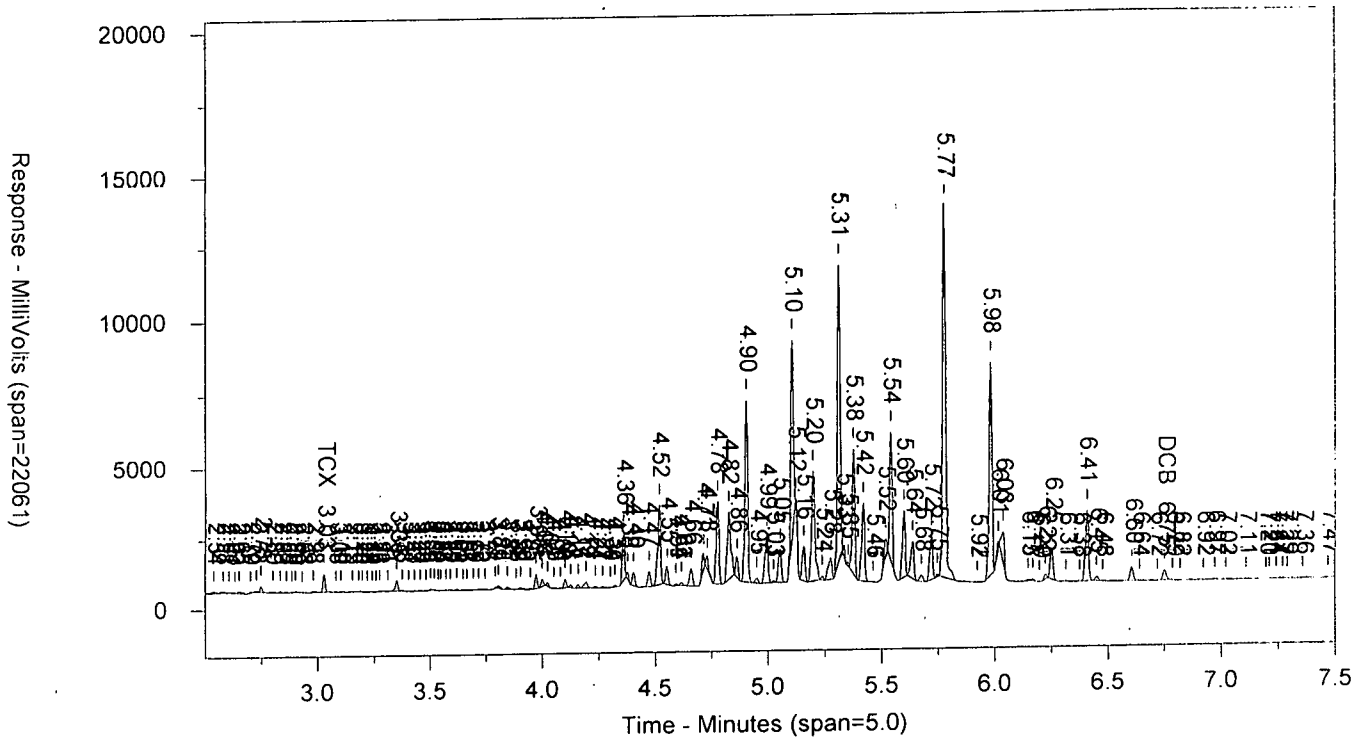

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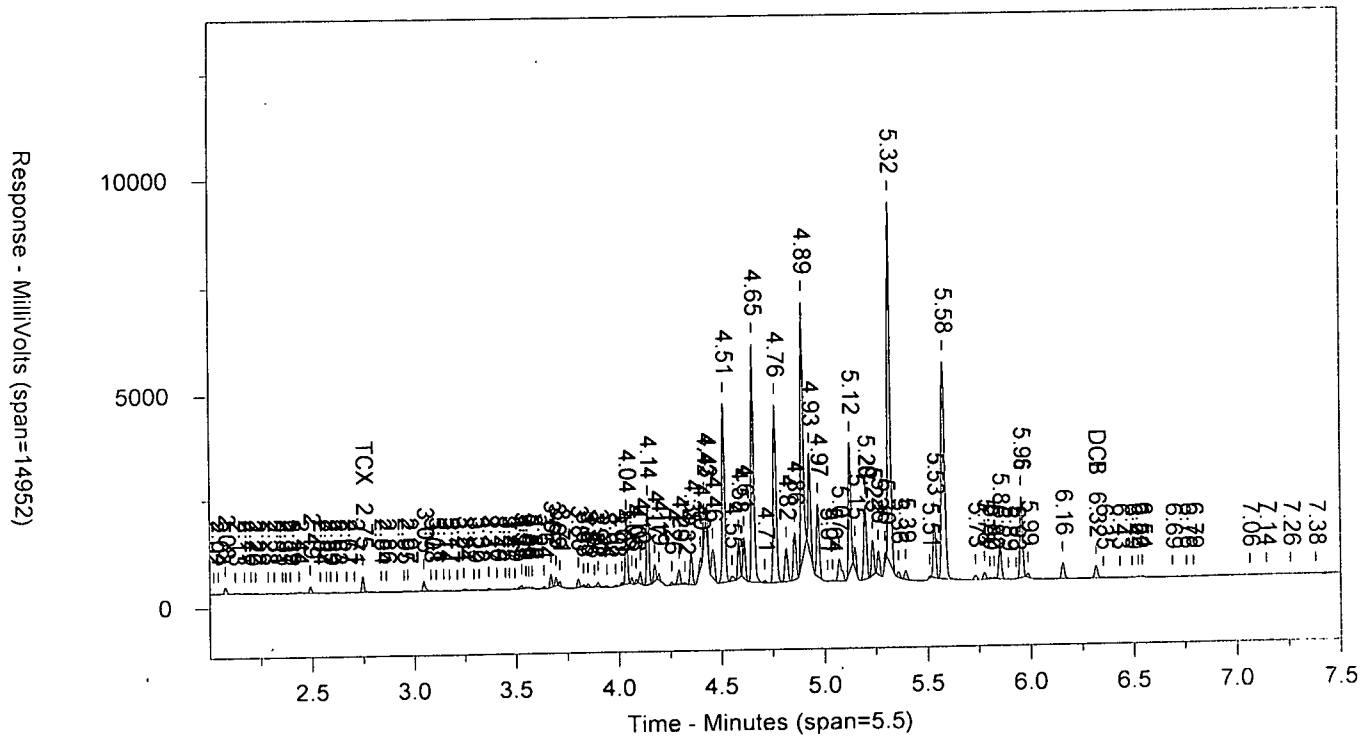

9229542 ACF DF20 AC03A13 T 172850029A 10225 SW-846 8082

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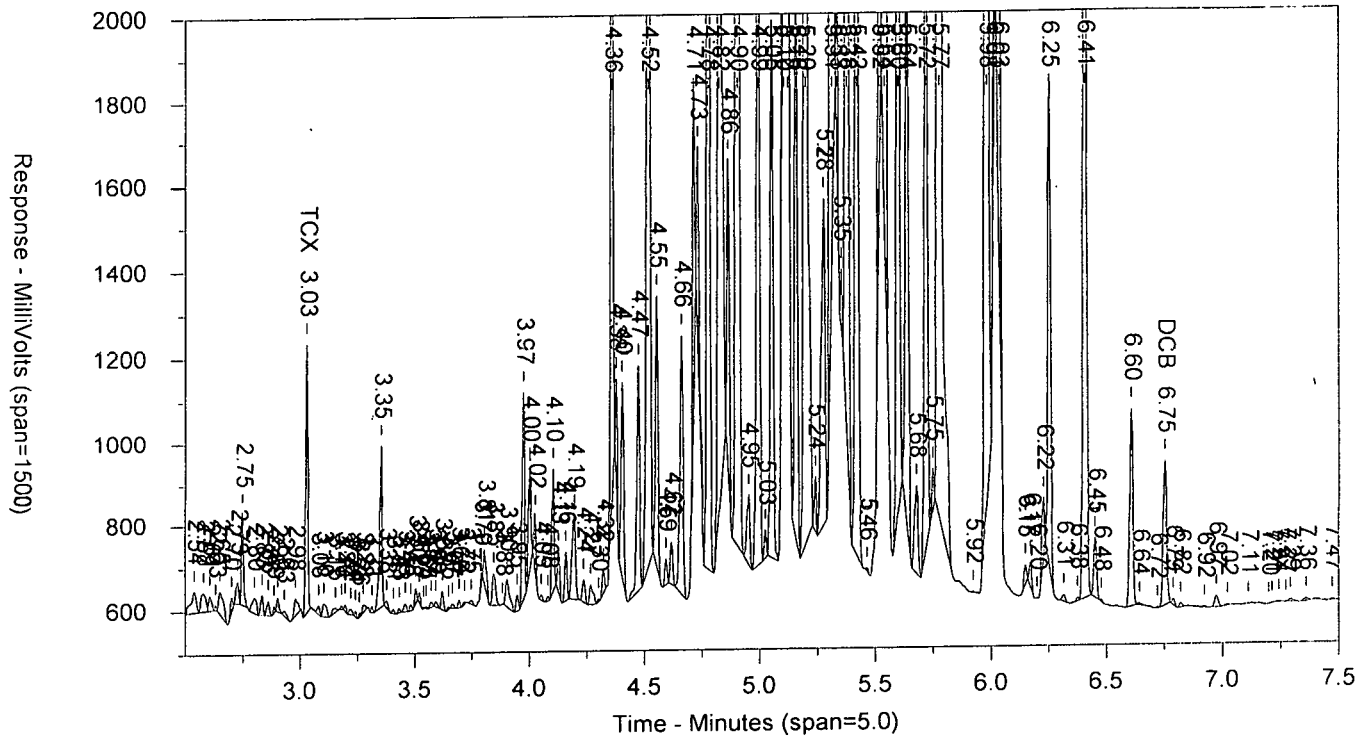

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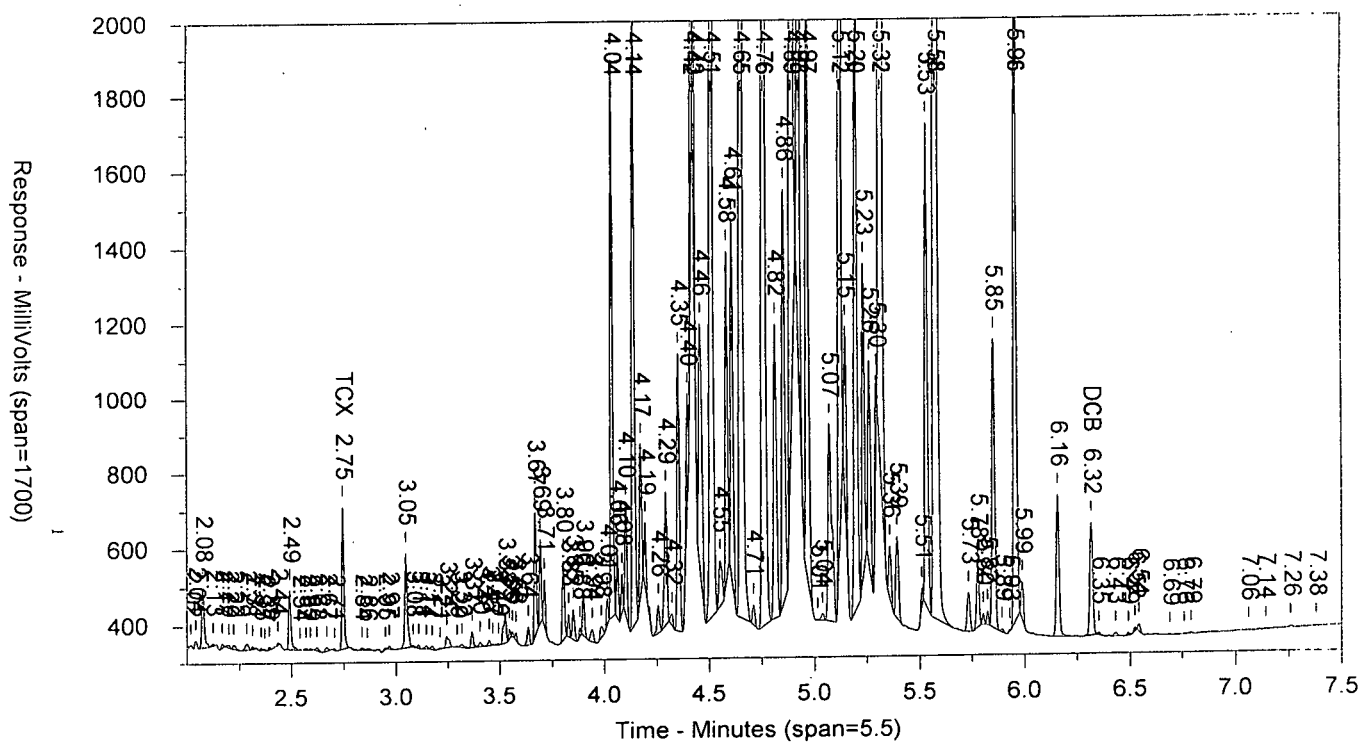

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Data Summary

Sample Name: 9229543 ACF DF20 03A14 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.11 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 12:01:55
Instrument	19843A
Result file	07PCBS17292004.0080.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 63% (61 - 152) Conc: 18.93274
%SSR(DCB) 102% (48 - 164) Conc: 27.30077

Analysis Report (B)

Injected on	Oct 25, 2017 12:01:55
Instrument	19843B
Result file	07PCBS17292004B.0080.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 76% (61 - 152) Conc: 22.82538
%SSR(DCB) 91% (48 - 164) Conc: 24.39797

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	607685	18.93274	Tetrachloro-m-xylene	2.72	2.75	2.78	350241	22.82538
Decachlorobiphenyl	6.72	6.75	6.78	352225	27.30077	Decachlorobiphenyl	6.29	6.32	6.35	284573	24.39797

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.82538				18.64	
☑	Tetrachloro-m-xylene-D1	A	18.93274					
☑	Tetrachloro-m-xylene-D2	B	22.82538					
☐	Decachlorobiphenyl	A	27.30077				11.23	
☑	Decachlorobiphenyl-D1	A	27.30077					
☑	Decachlorobiphenyl-D2	B	24.39797					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.95**	
4.88	4.90	4.92	5735279	6386.7369			1
5.29	5.31	5.33	9757717	8268.877108			2
5.36	5.37	5.40	3919395	6562.283773			3
5.52	5.54	5.56	4181030	6766.007417			4
5.76	5.77	5.80	11822970	8042.447085			5
5.96	5.98	6.00	6691679	7405.002482			6

Height summation: **42108070**
Concentration CF: **7238.559128** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.34**	
4.64	4.65	4.68	5075056	7447.804606			1
4.75	4.76	4.78	3810257	6431.825817			2
4.88	4.89	4.92	5550466	8220.27936			3
5.11	5.12	5.15	2556813	5771.256481			4
5.30	5.32	5.34	7359506	7125.647364			5
5.56	5.58	5.60	4597572	6611.562843			6

Height summation: **28949670**
Concentration CF: **6934.729412** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1008.9021	<195.8457	D1		4	
☑	PCB-1221			<1008.9021	<302.6706	D1		3	
☑	PCB-1232			<1008.9021	<243.3234	D1		4	
☑	PCB-1242			<1008.9021	<243.3234	D1		4	
☑	PCB-1248			<1008.9021	<195.8457	D1		4	
☑	PCB-1254			<1008.9021	<261.1276	D1		4	
☑	PCB-1260	A	7238.559128	1008.9021	231.454	D1	4.29	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:28

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229543** ACF DF20 03A14 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.11 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:01:55
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0080.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 63% (61-152) Conc.: 18.93274
%SSR(DCB) : 102% (48-164) Conc.: 27.30077

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	104.31	
3.27	3.28	3.31	14832.48	29.298351			1
+ 3.48	3.50	3.52	52729	100.224596			2
3.48	3.52	3.52	60110.2	114.254404			2
3.60	3.62	3.64	167412	275.955554			3
3.82	3.85	3.86	230031.9	325.565887			4
3.88	3.90	3.92	85955.45	145.481029			5
4.08	4.10	4.12	389226.4	887.172906			6
Height Summation:			**947568.43**				
Amount Avg CF:			**296.288022**	Linear:			
Aroclor-1221					3	56.84	
+ 3.16	3.18	3.20	13016.66	50.216542			1
3.16	3.20	3.20	18952.01	73.114333			1
3.22	3.22	3.26	15259.65	68.284185			2
+ 3.22	3.24	3.26	15163.55	67.854155			2
3.27	3.28	3.31	14832.48	18.420966			3
Height Summation:			**49044.14**				
Amount Avg CF:			**53.273161**	Linear:			
Aroclor-1232					6	115.02	
3.26	3.28	3.30	14832.48	24.050725			1
+ 3.48	3.48	3.52	17389.86	71.22747			2
+ 3.48	3.50	3.52	52729	215.973749			2
3.48	3.52	3.52	60110.2	246.206551			2
3.60	3.62	3.64	167412	588.921248			3
3.82	3.85	3.86	230031.9	661.434684			4
3.88	3.90	3.92	85955.45	328.032344			5
+ 4.08	4.08	4.12	8953.025	49.865851			6
4.08	4.10	4.12	389226.4	2167.882418			6
Height Summation:			**947568.43**				
Amount Avg CF:			**669.421328**	Linear:			
Aroclor-1242					6	107.21	
3.27	3.28	3.31	14832.48	34.197843			1
+ 3.48	3.50	3.52	52729	120.784848			2
3.48	3.52	3.52	60110.2	137.692756			2
3.60	3.62	3.64	167412	331.259871			3
3.82	3.85	3.86	230031.9	377.74333			4
3.88	3.90	3.92	85955.45	188.315119			5
4.08	4.10	4.12	389226.4	1121.705863			6
Height Summation:			**947568.43**				
Amount Avg CF:			**365.152464**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:01:55
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0080.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 76% (61-152) Conc.: 22.82538
%SSR(DCB) : 91% (48-164) Conc.: 24.39797

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	85.50	
3.02	3.05	3.06	233200.2	861.110853			1
3.35	3.36	3.39	129630.3	394.926361			2
3.54	3.55	3.58	134258	410.114709			3
+ 3.54	3.58	3.58	134231.1	410.032538			3
3.62	3.63	3.66	61756.56	181.381549			4
+ 3.68	3.69	3.72	476655.9	1855.173604			5
3.68	3.71	3.72	541841.2	2108.878736			5
3.79	3.80	3.83	268133.1	939.07216			6
Height Summation:			**1368819.36**				
Amount Avg CF:			**815.914061**	Linear:			
Aroclor-1221					3	121.41	
2.90	2.92	2.94	7880.151	49.588562			1
2.96	2.97	3.00	8809.689	95.914734			2
3.02	3.05	3.06	233200.2	579.011584			3
Height Summation:			**249890.04**				
Amount Avg CF:			**241.50496**	Linear:			
Aroclor-1232					6	111.36	
3.02	3.05	3.06	233200.2	732.08536			1
3.35	3.36	3.39	129630.3	849.090633			2
3.54	3.55	3.58	134258	860.479915			3
+ 3.54	3.58	3.58	134231.1	860.307509			3
3.62	3.63	3.66	61756.56	415.83995			4
E+ 3.68	3.69	3.72	476655.9	5021.174182			5
E 3.68	3.71	3.72	541841.2	5707.8472			5
3.79	3.80	3.83	268133.1	2310.77635			6
Height Summation:			**1368819.36**				
Amount Avg CF:			**1812.686568**	Linear:			
Aroclor-1242					6	90.75	
3.02	3.05	3.06	233200.2	1000.970102			1
3.35	3.36	3.39	129630.3	467.086816			2
3.54	3.55	3.58	134258	465.865631			3
+ 3.54	3.58	3.58	134231.1	465.77229			3
3.62	3.63	3.66	61756.56	223.705741			4
+ 3.68	3.69	3.72	476655.9	2390.954628			5
3.68	3.71	3.72	541841.2	2717.930744			5
3.79	3.80	3.83	268133.1	1143.659901			6
Height Summation:			**1368819.36**				
Amount Avg CF:			**1003.203156**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229543** ACF DF20 03A14 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.11 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:01:55
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0080.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	109.22	
3.82	3.85	3.86	230031.9	593.412427			1
3.88	3.90	3.92	85955.45	265.326644			2
3.95	3.97	3.99	711016.3	1287.544809			3
4.08	4.10	4.12	389226.4	629.83672			4
4.17	4.19	4.21	309054.7	599.802364			5
4.36	4.36	4.40	1852224	3741.571112			6
+ 4.36	4.38	4.40	395575.8	799.079909			6
Height Summation:			3577508.75				
Amount Avg CF:			1186.249013	Linear:			
Aroclor-1254					6	84.63	
4.69	4.71	4.73	793729.1	1313.156867			1
+ 4.69	4.73	4.73	362225.4	599.270924			1
4.76	4.78	4.80	3552662	2964.722626			2
4.88	4.90	4.92	5735279	15718.181684			3
4.97	4.99	5.01	2160287	2763.286167			4
5.17	5.20	5.21	3948077	6458.866633			5
5.29	5.31	5.33	9757717	12506.649769			6
Height Summation:			25947751.1				
Amount Avg CF:			6954.143958	Linear:			
Aroclor-1260					6	10.95	
4.88	4.90	4.92	5735279	6386.7369			1
5.29	5.31	5.33	9757717	8268.877108			2
5.36	5.37	5.40	3919395	6562.283773			3
5.52	5.54	5.56	4181030	6766.007417			4
5.76	5.77	5.80	11822970	8042.447085			5
5.96	5.98	6.00	6691679	7405.002482			6
Height Summation:			42108070				
Amount Avg CF:			7238.559127	Linear:			
Aroclor-1262					6	45.34	
E 5.35	5.37	5.39	3919395	4059.011052			1
E 5.52	5.54	5.56	4181030	5033.097211			2
E 5.75	5.77	5.79	11822970	6823.75691			3
E 5.96	5.98	6.00	6691679	5952.358449			4
+ 6.01	6.03	6.05	52673.84	99.29803			5
6.01	6.03	6.05	500664	943.826177			5
E 6.38	6.40	6.42	2398646	4149.33204			6
Height Summation:			29514384				
Amount Avg CF:			4493.56364	Linear:			
Aroclor-1268					6	134.05	
5.96	5.98	5.99	6691679	3196.075213			1
+ 6.01	6.03	6.05	52673.84	29.366617			2
6.01	6.03	6.05	500664	279.129219			2
6.15	6.15	6.19	62510.38	37.823478			3
+ 6.15	6.17	6.19	45249.65	27.379439			3
6.21	6.22	6.25	135701.9	306.936388			4
6.38	6.40	6.42	2398646	3678.336321			5
6.58	6.60	6.62	420726.3	83.219631			6
Height Summation:			10209927.58				
Amount Avg CF:			1263.586708	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:01:55
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0080.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	83.08	
3.54	3.55	3.58	134258	837.546658			1
+ 3.54	3.58	3.58	134231.1	837.378847			1
3.62	3.63	3.66	61756.56	317.619687			2
+ 3.68	3.69	3.72	476655.9	1666.799915			3
3.68	3.71	3.72	541841.2	1894.743915			3
3.79	3.80	3.83	268133.1	676.012466			4
3.88	3.90	3.92	178485.8	744.173441			5
4.02	4.04	4.06	1555871	3114.384857			6
Height Summation:			2740345.66				
Amount Avg CF:			1264.080171	Linear:			
Aroclor-1254					6	87.84	
4.34	4.35	4.38	834022.5	1983.346029			1
4.40	4.42	4.44	1107043	1516.660059			2
+ 4.40	4.43	4.44	517740.3	709.309425			2
4.50	4.51	4.54	3855689	10920.866116			3
4.57	4.58	4.61	1084954	2399.203664			4
4.64	4.65	4.68	5075056	17648.424666			5
4.88	4.89	4.92	5550466	10304.228635			6
Height Summation:			17507230.5				
Amount Avg CF:			7462.121528	Linear:			
Aroclor-1260					6	12.34	
4.64	4.65	4.68	5075056	7447.804606			1
4.75	4.76	4.78	3810257	6431.825817			2
4.88	4.89	4.92	5550466	8220.27936			3
5.11	5.12	5.15	2556813	5771.256481			4
+ 5.11	5.15	5.15	494235.2	1115.591207			4
5.30	5.32	5.34	7359506	7125.647364			5
5.56	5.58	5.60	4597572	6611.562843			6
Height Summation:			28949670				
Amount Avg CF:			6934.729412	Linear:			
Aroclor-1262					6	34.09	
4.91	4.93	4.95	1933895	3024.182809			1
5.11	5.12	5.15	2556813	3808.900262			2
E 5.30	5.32	5.34	7359506	5875.196026			3
5.52	5.53	5.56	1140326	2369.405217			4
E 5.56	5.58	5.60	4597572	5292.684014			5
5.94	5.96	5.98	1641320	3434.73255			6
Height Summation:			19229432				
Amount Avg CF:			3967.516813	Linear:			
Aroclor-1268					6	122.30	
5.52	5.53	5.56	1140326	759.987554			1
5.56	5.58	5.60	4597572	3010.016705			2
5.72	5.73	5.76	106647	81.572792			3
+ 5.79	5.80	5.82	23793.54	69.608881			4
5.79	5.82	5.82	52819.32	154.524873			4
5.94	5.96	5.98	1641320	3139.385062			5
6.14	6.15	6.18	332304.3	76.830368			6
Height Summation:			7870988.62				
Amount Avg CF:			1203.719559	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229543** ACF DF20 03A14 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.11 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Oct 25, 2017 12:01:55
Instrument	: CP 7--19843A
Result file	: 07PCBS17292004.0080.RAW
Calibration file	: 07PCBS1729202.CAL
Method file	: 07PCBS.MET

Analysis Report (B)

Injected on	: Oct 25, 2017 12:01:55
Instrument	: CP 7--19843B
Result file	: 07PCBS17292004B.0080.RAW
Calibration file	: 07PCBS1729202B.CAL
Method file	: 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1008.9021	195.8457		** 93.44	4	40	
Aroclor-1221			1008.9021	302.6706		** 127.71	3	40	
Aroclor-1232			1008.9021	243.3234		** 92.12	4	40	
Aroclor-1242			1008.9021	243.3234		** 93.26	4	40	
Aroclor-1248			1008.9021	195.8457		6.35	4	40	
Aroclor-1254			1008.9021	261.1276		7.05	4	40	
Aroclor-1260			1008.9021	231.454		4.29	4	40	
Aroclor-1262			1008.9021	195.8457	E	12.43	4	40	
Aroclor-1268			1008.9021	195.8457		4.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:01:55 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: 07pcbs17292004.0080.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.51		29698	25975
1.556		22292	16254
1.601		94262	213474
1.659		363610	418939
1.705		86637	146053
1.733		64990	66431
1.766		165678	174176
1.81		82224	97754
1.832		64820	65280
1.861		27548	17450
1.878		24074	15439
1.892		31218	17850
1.912		30636	17065
1.937		34782	35500
1.959		33415	31997
1.976		31495	24117
2.003		52150	42720
2.021		59502	49960
2.045		30834	25539
2.07		27769	18003
2.088		65507	60715
2.106		53725	55236
2.134		108554	132839
2.159		39393	32603
2.178		48350	45551
2.195		87757	102881
2.232		85601	187948
2.261		72279	84204
2.293		276730	219043
2.311		64985	42397
2.322		67360	47745
2.338		20040	10308
2.365		49519	73630
2.403		70399	80324
2.435		20552	9924
2.482		75068	141900
2.539		53010	88793
2.579		45499	70104
2.607		34510	30880
2.632		13526	5644
2.648		20552	12295
2.663		18173	15115
2.701		36013	24070
2.728		58517	51406
2.748		196415	128880
2.801		37825	54723
2.835		49341	37508
2.861		35790	29429
2.886		17825	8172
2.903		39705	25387
2.933		12919	13375
2.98		43935	47683
3.005		13112	5057

RT A	Compound A	Height A	Area A
3.029	TCX	607685	411579
3.081		22288	15817
3.104		32353	40597
3.15		12481	15438
3.182		13017	6568
3.197		18952	9625
3.219		15260	13690
3.242		15164	7107
3.259		10508	4675
3.283		14832	19054
3.311		10302	4240
3.353		365322	268906
3.378		21784	18141
3.405		10190	6964
3.431		9373	5655
3.458		19666	16260
3.481		17390	10793
3.503		52729	31850
3.52		60110	32952
3.539		5346	2052
3.55		3311	1316
3.573		13310	8381
3.591		13108	10640
3.62		167412	112708
3.647		9361	5536
3.664		8399	7486
3.693		25575	16865
3.729		7144	10501
3.747		12392	10477
3.806		364479	494719
3.851		230032	201349
3.903		85955	91809
3.946		90448	64894
3.973		711016	495948
4		732700	500380
4.024		828048	566421
4.051		13168	7202
4.081		8953	5261
4.101		389226	279932
4.127		243162	170391
4.158		333851	241356
4.194		309055	309013
4.237		106691	91101
4.267		77397	77453
4.302		4753	3102
4.322		102160	81896
4.359		1852224	1312562
4.378		395576	215597
4.403		986664	800134
4.473		641804	552905
4.517		2979572	2850071
4.552		926736	753564
4.593		124508	92223
4.617		143147	104762
4.66		739798	684260
4.712		793729	578708
4.729		362225	283698
4.776		3552662	2992019
4.823		2315815	2529994
4.862		680205	482361
4.902		5735279	5232123
4.95		248255	213261
4.993		2160287	2095243
5.025		62073	38579
5.051		1212875	1077811
5.104		7910709	9470090

RT A	Compound A	Height A	Area A
5.156		1219494	1050438
5.195		3948077	4017293
5.239		166522	106286
5.276		705832	881110
5.311		9757717	8656350
5.334		452701	214078
5.353		152691	63912
5.375		3919395	3365234
5.418		2632724	2441791
5.465		12794	9045
5.516		763506	622052
5.538		4181030	3312953
5.596		2293164	1984930
5.635		1337575	1265631
5.676		194934	220879
5.718		1580010	1432011
5.747		134269	82930
5.775		11822970	11131340
5.859		6526	13737
5.931		4024	3589
5.979		6691679	6179649
6.013		221043	195568
6.025		52674	25403
6.033		500664	337070
6.145		62510	45686
6.167		45250	33515
6.196		4056	2286
6.224		135702	108428
6.25		1048106	917842
6.313		21900	24040
6.352		1885	904
6.374		14142	9199
6.404		2398647	2230442
6.449		126491	108341
6.474		4454	3201
6.604		420726	397577
6.638		5031	5188
6.719		3953	2413
6.751	DCB	352225	367000
6.82		8970	6683
6.851		1406	324
6.875		1817	952
6.921		2728	2921
7.018		1147	503
7.05		1543	647
7.102		1196	488
7.128		1594	623
7.191		1310	662
7.294		5220	8332
7.406		2103	2156
7.469		3279	3415
7.604		3112	2970
7.628		1198	782
7.688		1453	1005
7.762		1221	496
7.825		1442	1294
7.981		6490	9772
8.03		1245	2302
8.171		1698	1955
8.234		21174	31238
8.281		1201	562
8.424		3295	3748
8.453		1113	324
8.501		964	981
8.54		1727	980
8.567		1226	598

RT A	Compound A	Height A	Area A
8.574		1807	1006
8.619		1436	815
8.629		1264	365

LANCASTER LABORATORIES

Sample Number: 9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:01:55 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, 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: 07pcbs17292004B.0080.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

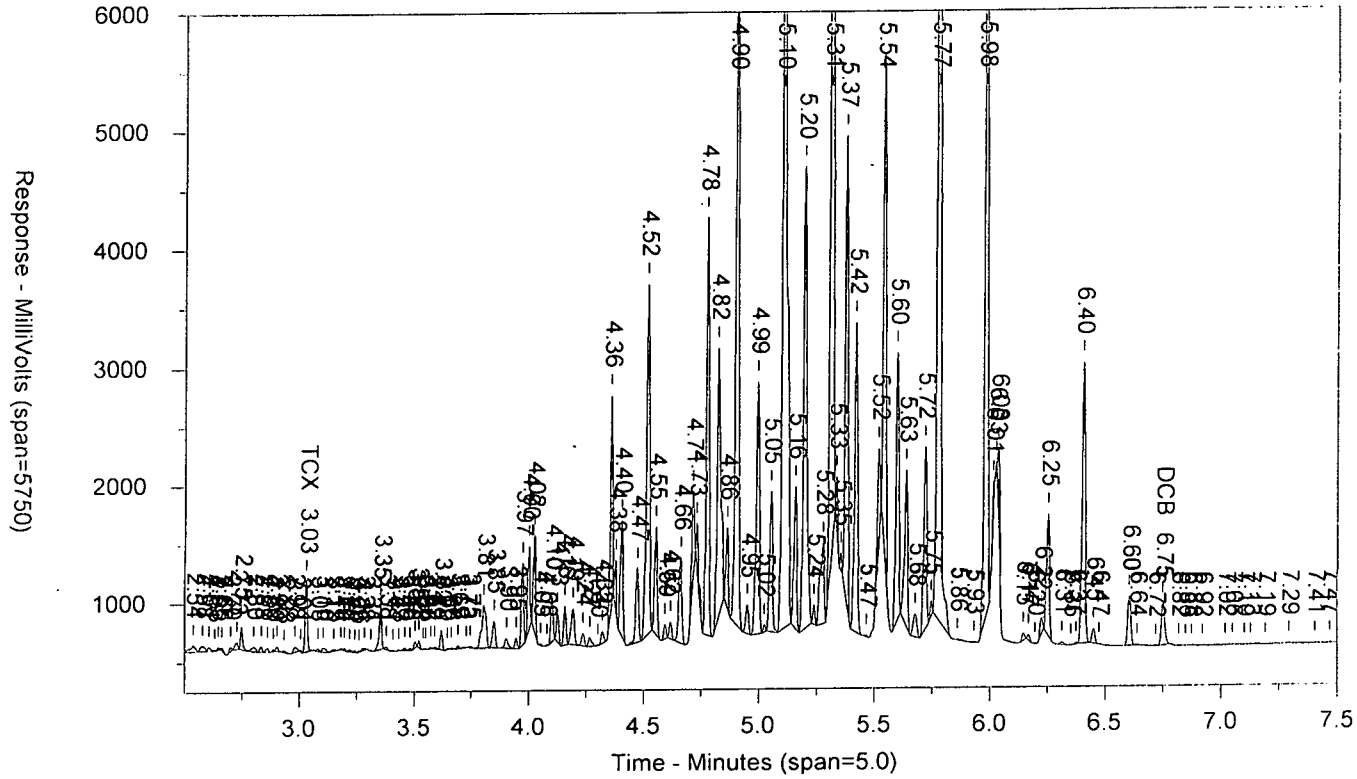
RT B	Compound B	Height B	Area A
1.598		81677	110665
1.637		11275	11327
1.69		10917	13238
1.716		9399	8722
1.758		11748	20304
1.788		10824	9988
1.824		11363	14557
1.847		10183	9191
1.883		12049	11097
1.91		31122	43046
1.952		14816	19390
1.992		18835	19836
2.019		10268	7205
2.041		21148	17266
2.076		144784	125255
2.125		6601	4780
2.169		6610	4786
2.188		6581	5437
2.223		13123	15024
2.285		15955	18238
2.312		7011	4377
2.354		7158	3899
2.389		1968	809
2.435		22661	38994
2.491		141801	108710
2.541		3277	1911
2.57		5588	5075
2.59		4956	2912
2.62		11282	10741
2.667		10952	9901
2.705		6496	5741
2.746	TCX	350241	249643
2.835		6728	6002
2.874		4026	3957
2.918		7880	7112
2.947		5066	3823
2.967		8810	7520
3.005		1913	753
3.047		233200	182503
3.082		6974	4545
3.108		11843	7496
3.144		11676	11694
3.172		7318	6123
3.216		1807	2263
3.243		21874	10649
3.254		21626	9612
3.293		3761	2214
3.316		7038	6055
3.365		129630	92279
3.404		13761	10359
3.449		15233	9719
3.496		2412	1147
3.526		196633	169367
3.546		134268	87308

3.577	134231	85570
3.635	61757	51218
3.669	422042	285606
3.693	476656	273222
3.712	541841	333299
3.802	268133	194556
3.827	142400	86816
3.849	219368	166489
3.881	16865	8374
3.897	178486	131587
3.939	58214	53991
3.985	45763	47462
4.013	94912	56975
4.036	1555871	1152740
4.063	359692	219285
4.084	209768	120033
4.102	334861	218914
4.14	1815034	1459581
4.174	592433	416307
4.193	201685	115079
4.214	71401	40205
4.256	109579	93703
4.292	413083	347080
4.314	22595	21629
4.352	834023	680198
4.397	205916	198265
4.416	1107043	646148
4.429	517740	282259
4.456	588249	616367
4.511	3855689	3423793
4.55	163839	165621
4.583	1084954	816873
4.609	938291	713987
4.652	5075056	4490925
4.71	38766	29516
4.761	3810257	3751026
4.814	874210	850886
4.856	1014288	971189
4.894	5550466	4954016
4.928	1933895	1497636
4.967	1536192	1324121
5.014	4970	2372
5.038	18965	16840
5.072	474491	597603
5.123	2556813	2161701
5.148	494235	336265
5.198	1587610	1463899
5.234	755182	616021
5.262	501815	422891
5.295	236694	148332
5.317	7359506	6326549
5.358	123740	97223
5.392	200328	176890
5.509	46996	29013
5.533	1140326	1017726
5.577	4597572	5233643
5.732	106647	97790
5.776	143495	121282
5.802	23794	13853
5.823	52819	35820
5.851	681188	614203
5.891	8448	7501
5.928	7859	4615
5.955	1641320	1460237
5.986	86214	63545
6.036	3282	2536
6.155	332304	318424

6.315	DCB	284573	268561
6.349		8541	6914
6.488		4752	4020
6.521		28262	29634
6.685		1966	1662
6.738		2788	4472
6.787		3523	3769
7.018		1966	5255
7.11		1955	2538
7.256		3714	4003
7.381		1417	1528
7.763		1850	5345
7.876		10230	16784
8.129		1732	5015
8.347		1196	2305
8.521		1987	4458
8.619		3975	9505

9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17292004.0080.RAW



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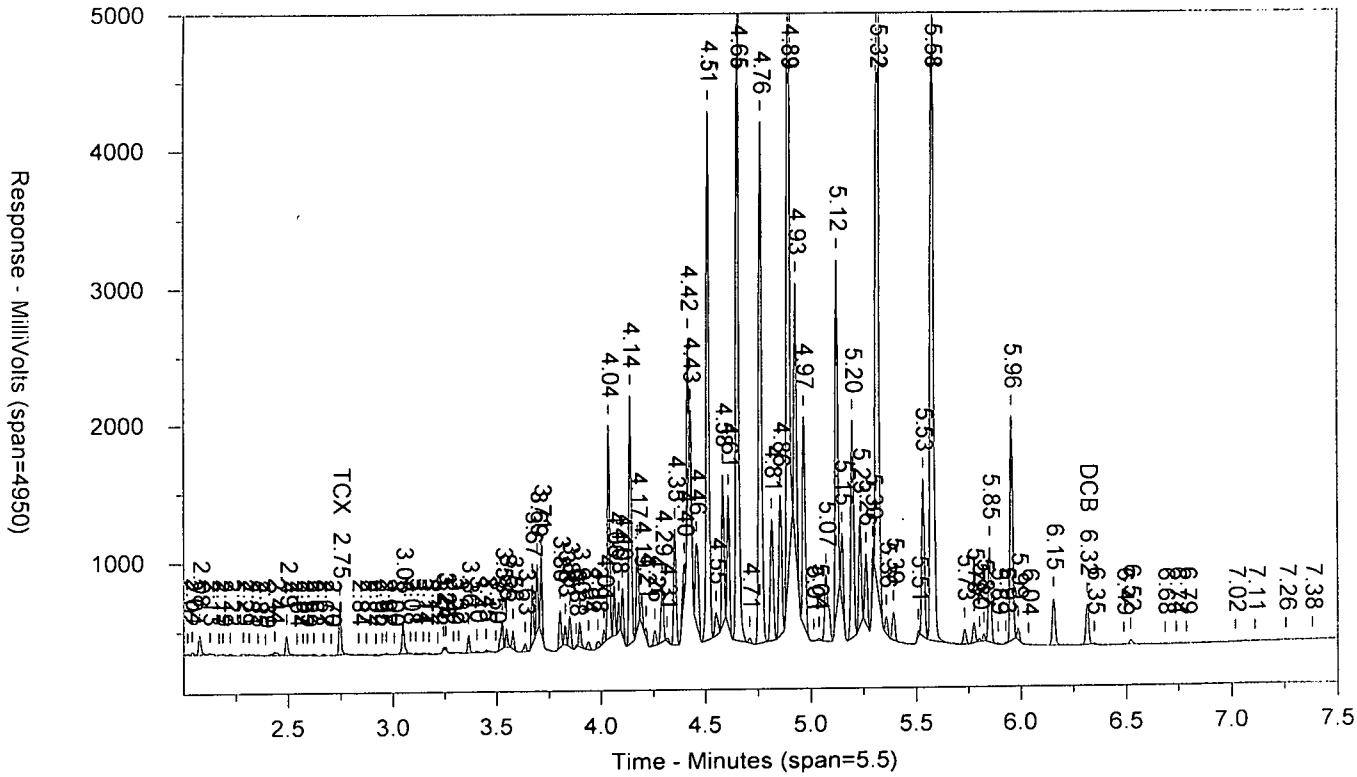

LANCASTER LABORATORIES

Sample Number: 9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:01:55 PM
Sample Weight: 10.11
Instrument ID: CP7-19843A
Dilution Factor: 200
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	607685	18.933	TCX	2.746	350241	22.825	TCX
6.751	352225	27.301	DCB	6.315	284573	24.398	DCB

Files:
Area File: 07pcbs17292004.0080.RAW
Area File: 07pcbs17292004B.0080.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 12:10:37 PM
File Reported On: 10/25/2017 at 12:10:58 PM

9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082

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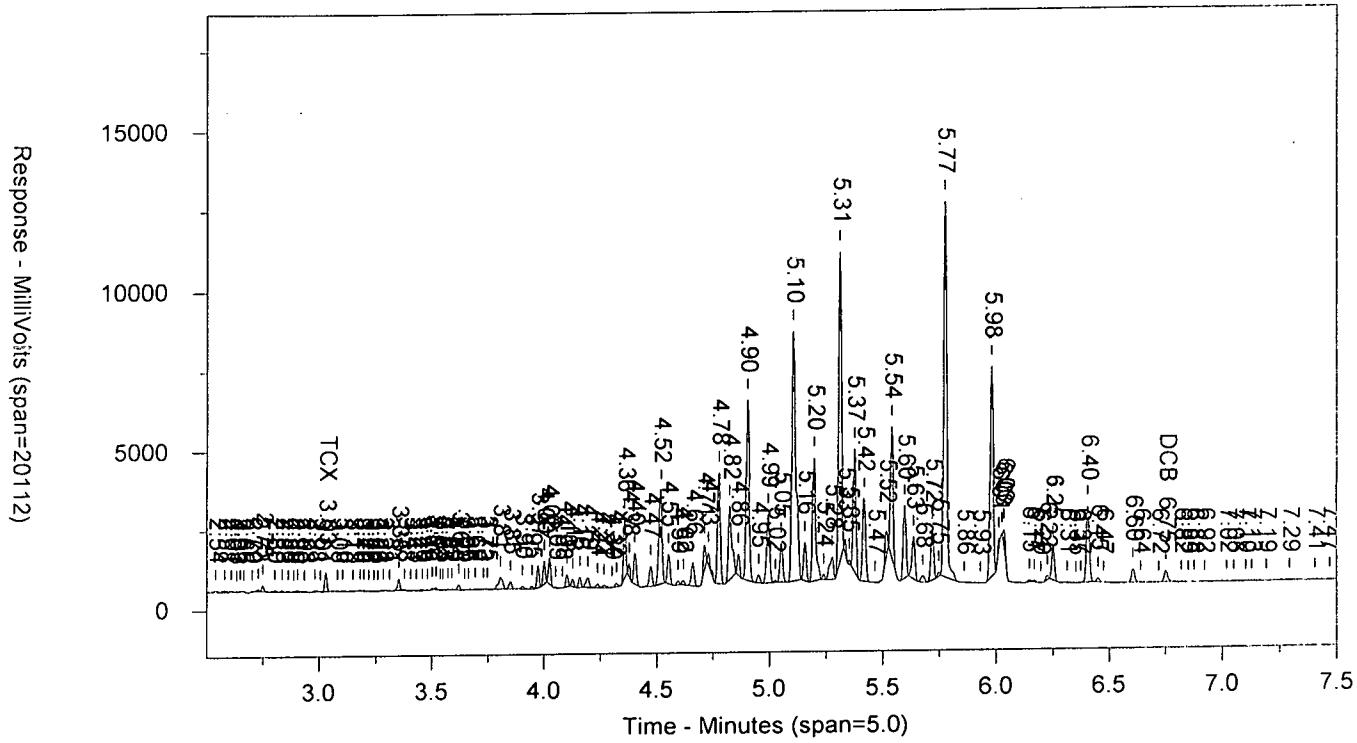

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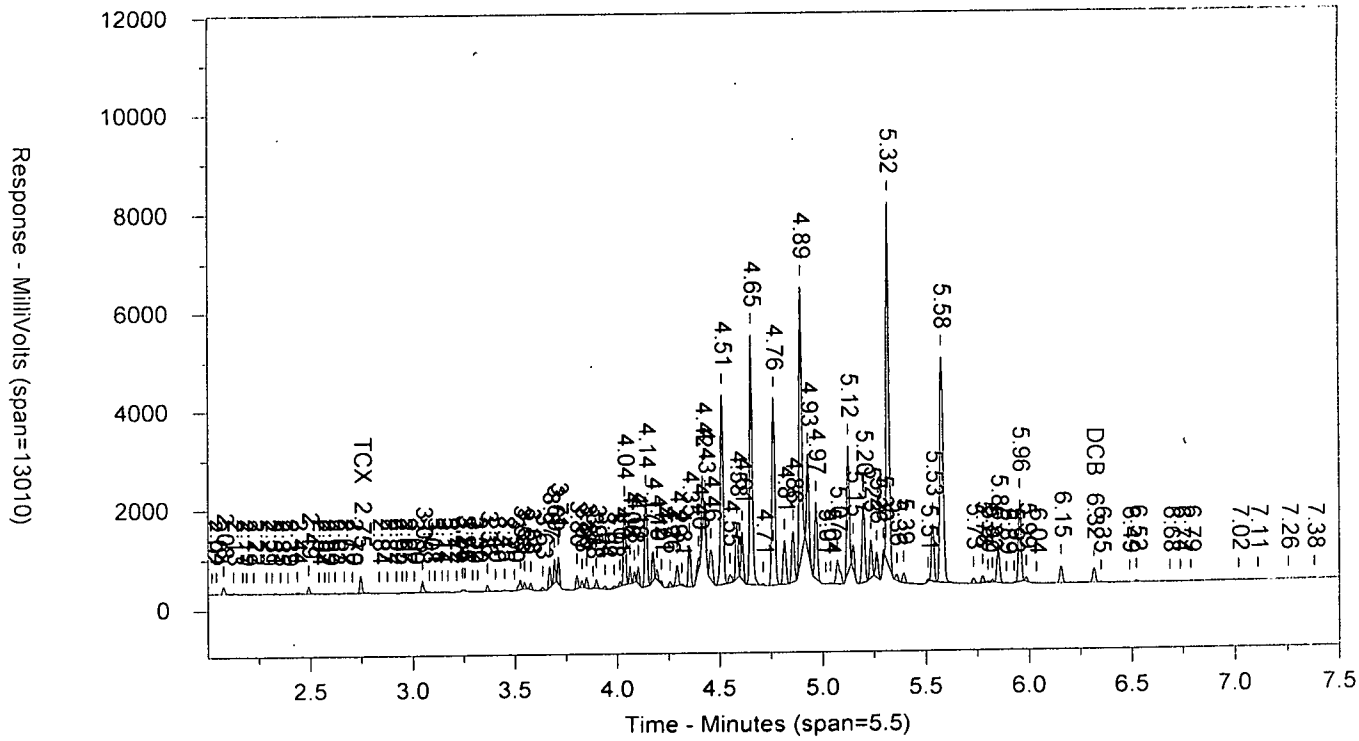

9229543 ACF DF20 AC03A14 T 172850029A 10225 SW-846 8082

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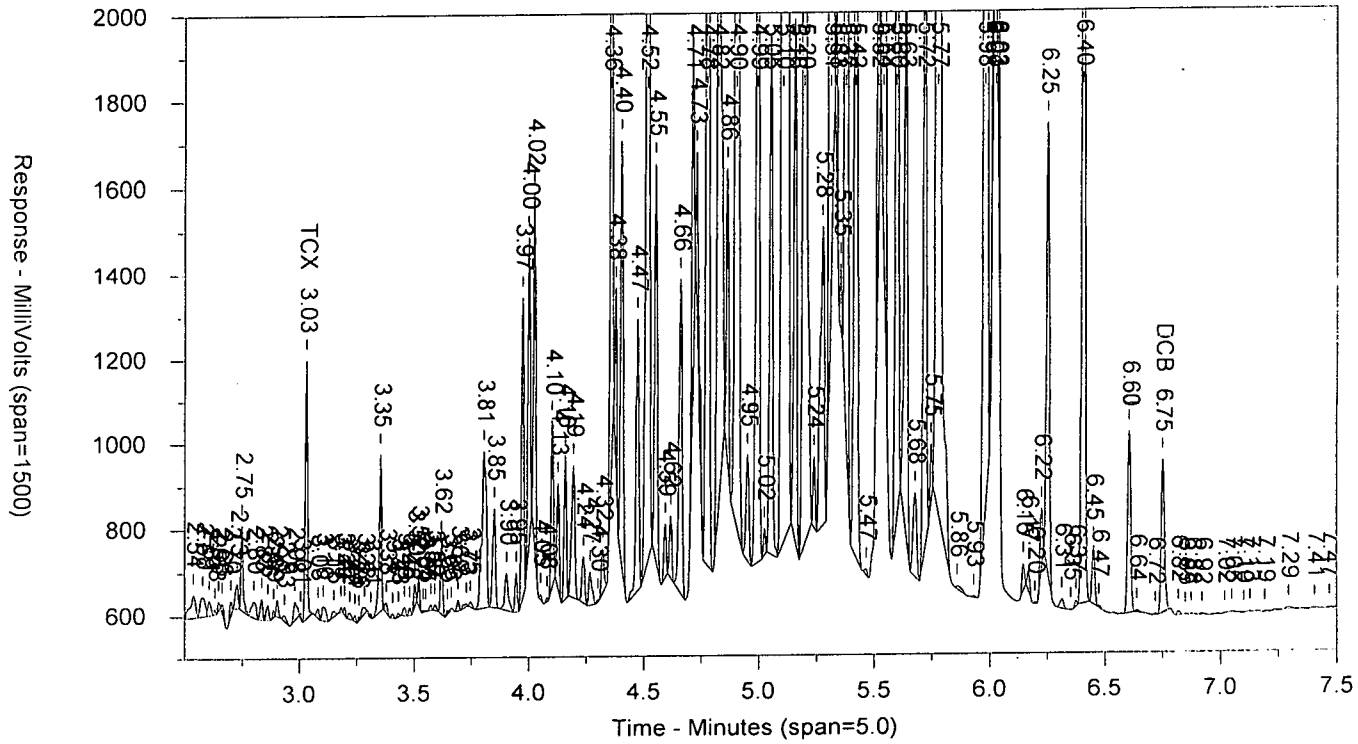

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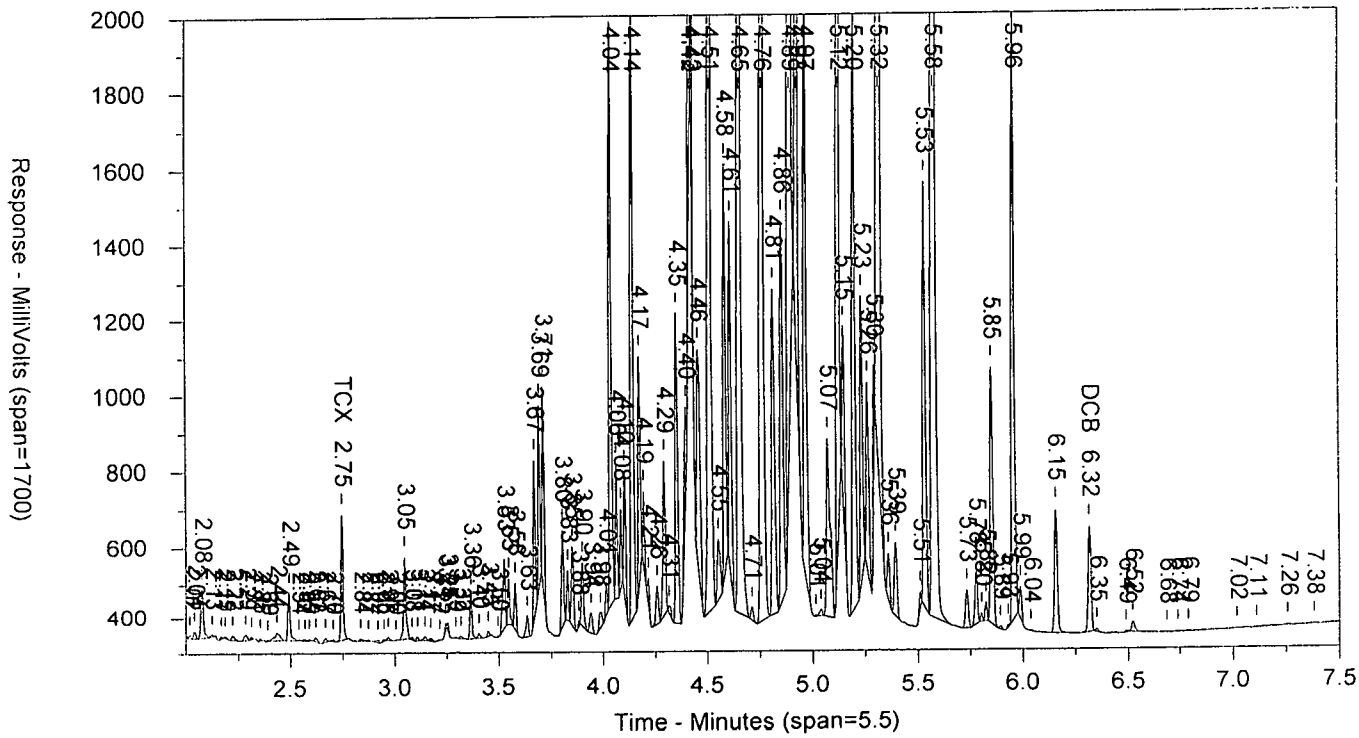

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Data Summary

Sample Name: 9229544 ACF DF10 03A15 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.19 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 12:13:25
Instrument	19843A
Result file	07PCBS17292004.0081.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 67% (61 - 152) Conc: 20.04177
%SSR(DCB) 96% (48 - 164) Conc: 25.52002

Analysis Report (B)

Injected on	Oct 25, 2017 12:13:25
Instrument	19843B
Result file	07PCBS17292004B.0081.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 77% (61 - 152) Conc: 23.20312
%SSR(DCB) 83% (48 - 164) Conc: 22.11021

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1296743	20.04177
Decachlorobiphenyl	6.72	6.75	6.78	663712	25.52002

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	717709	23.20312
Decachlorobiphenyl	6.29	6.32	6.35	519859	22.11021

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	23.20312				14.62	
☑	Tetrachloro-m-xylene-D1	A	20.04177					
☑	Tetrachloro-m-xylene-D2	B	23.20312					
☐	Decachlorobiphenyl	A	25.52002				14.32	
☑	Decachlorobiphenyl-D1	A	25.52002					
☑	Decachlorobiphenyl-D2	B	22.11021					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.66**	
4.88	4.90	4.92	3845278	2124.218542			1
5.29	5.31	5.33	6544227	2751.082729			2
5.36	5.37	5.40	2451047	2035.79755			3
5.52	5.54	5.56	2519360	2022.49004			4
5.76	5.77	5.80	7388733	2493.323174			5
5.96	5.98	6.00	4320878	2371.969437			6

Height summation: **27069523**
Concentration CF: **2299.813579** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.94**	
4.64	4.65	4.68	3280472	2388.20029			1
4.75	4.76	4.78	2489453	2084.639259			2
4.88	4.89	4.92	3830723	2814.393736			3
5.11	5.12	5.15	1615376	1808.80609			4
5.30	5.32	5.34	4699280	2257.116424			5
5.56	5.58	5.60	3038492	2167.607596			6

Height summation: **18953796**
Concentration CF: **2253.460566** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<500.4907	<97.1541	D1		4	
☑	PCB-1221			<500.4907	<150.1472	D1		3	
☑	PCB-1232			<500.4907	<120.7066	D1		4	
☑	PCB-1242			<500.4907	<120.7066	D1		4	
☑	PCB-1248			<500.4907	<97.1541	D1		4	
☑	PCB-1254			<500.4907	<129.5388	D1		4	
☑	PCB-1260	A	2299.813579	500.4907	114.8184	D1	2.04	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:30

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229544** ACF DF10 03A15 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.19 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 67% (61-152) Conc.: 20.04177
%SSR(DCB) : 96% (48-164) Conc.: 25.52002

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	151.13	
3.27	3.27	3.31	20391.47	19.981354			1
+ 3.48	3.49	3.52	14711.62	13.871782			2
3.48	3.50	3.52	24998.89	23.571785			2
+ 3.48	3.52	3.52	21244.27	20.031504			2
3.60	3.62	3.64	35665.3	29.163887			3
3.82	3.85	3.86	68759.61	48.275992			4
3.88	3.90	3.92	35325.28	29.659617			5
+ 3.88	3.92	3.92	2246.207	1.885948			5
+ 4.08	4.08	4.12	3292.463	3.722836			6
4.08	4.10	4.12	281897.5	318.745587			6
Height Summation:			**467038.05**				
Amount Avg CF:			**78.233037**	Linear:			
Aroclor-1221					3	32.10	
3.16	3.18	3.20	12904.47	24.696442			1
+ 3.16	3.20	3.20	12183.26	23.316198			1
+ 3.22	3.22	3.26	6644.53	14.749823			2
3.22	3.24	3.26	8902.824	19.762884			2
3.27	3.27	3.31	20391.47	12.563022			3
Height Summation:			**42198.764**				
Amount Avg CF:			**19.00745**	Linear:			
Aroclor-1232					6	164.98	
3.26	3.27	3.30	20391.47	16.402495			1
+ 3.48	3.49	3.52	14711.62	29.892271			2
3.48	3.50	3.52	24998.89	50.794786			2
+ 3.48	3.52	3.52	21244.27	43.165842			2
3.60	3.62	3.64	35665.3	62.239128			3
3.82	3.85	3.86	68759.61	98.079734			4
3.88	3.90	3.92	35325.28	66.876854			5
+ 3.88	3.92	3.92	2246.207	4.252458			5
+ 4.08	4.08	4.12	3292.463	9.097065			6
4.08	4.10	4.12	281897.5	778.88194			6
Height Summation:			**467038.05**				
Amount Avg CF:			**178.879156**	Linear:			
Aroclor-1242					6	154.23	
3.27	3.27	3.31	20391.47	23.322788			1
+ 3.48	3.49	3.52	14711.62	16.717464			2
3.48	3.50	3.52	24998.89	28.407343			2
+ 3.48	3.52	3.52	21244.27	24.140803			2
3.60	3.62	3.64	35665.3	35.008629			3
3.82	3.85	3.86	68759.61	56.013037			4
3.88	3.90	3.92	35325.28	38.39232			5
+ 3.88	3.92	3.92	2246.207	2.441229			5
+ 4.08	4.08	4.12	3292.463	4.707004			6
4.08	4.10	4.12	281897.5	403.009144			6
Height Summation:			**467038.05**				
Amount Avg CF:			**97.358877**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 77% (61-152) Conc.: 23.20312
%SSR(DCB) : 83% (48-164) Conc.: 22.11021

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.19	
3.02	3.05	3.06	147705	270.565437			1
3.35	3.36	3.39	34415.3	52.012548			2
3.54	3.55	3.58	45513.7	68.969057			3
+ 3.54	3.58	3.58	28818.7	43.670336			3
3.62	3.64	3.66	28695.11	41.808528			4
3.68	3.69	3.72	275849.8	532.597634			5
+ 3.68	3.71	3.72	197111.4	380.573288			5
3.79	3.80	3.83	200925.4	349.08433			6
Height Summation:			**733104.31**				
Amount Avg CF:			**219.172922**	Linear:			
Aroclor-1221					3	94.18	
2.90	2.92	2.94	6209.162	19.383265			1
2.96	2.97	3.00	12131.53	65.522024			2
3.02	3.05	3.06	147705	181.928403			3
Height Summation:			**166045.692**				
Amount Avg CF:			**88.944564**	Linear:			
Aroclor-1232					6	114.98	
3.02	3.05	3.06	147705	230.024967			1
3.35	3.36	3.39	34415.3	111.826842			2
3.54	3.55	3.58	45513.7	144.707048			3
+ 3.54	3.58	3.58	28818.7	91.626675			3
3.62	3.64	3.66	28695.11	95.851295			4
3.68	3.69	3.72	275849.8	1441.517647			5
+ 3.68	3.71	3.72	197111.4	1030.051722			5
3.79	3.80	3.83	200925.4	858.992362			6
Height Summation:			**733104.31**				
Amount Avg CF:			**480.486693**	Linear:			
Aroclor-1242					6	94.92	
3.02	3.05	3.06	147705	314.509929			1
3.35	3.36	3.39	34415.3	61.516217			2
3.54	3.55	3.58	45513.7	78.344699			3
+ 3.54	3.58	3.58	28818.7	49.606874			3
3.62	3.64	3.66	28695.11	51.564273			4
3.68	3.69	3.72	275849.8	686.413808			5
+ 3.68	3.71	3.72	197111.4	490.484266			5
3.79	3.80	3.83	200925.4	425.136392			6
Height Summation:			**733104.31**				
Amount Avg CF:			**269.580886**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229544** ACF DF10 03A15 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.19 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**124.30**	
3.82	3.85	3.86	68759.61	87.993167			1
3.88	3.90	3.92	35325.28	54.092871			2
+ 3.88	3.92	3.92	2246.207	3.43957			2
3.95	3.97	3.99	479797	431.009953			3
+ 4.08	4.08	4.12	3292.463	2.642978			4
4.08	4.10	4.12	281897.5	226.289232			4
4.17	4.19	4.21	189617	182.556402			5
4.36	4.36	4.40	1313802	1316.550102			6
+ 4.36	4.38	4.40	315480.4	316.140296			6
Height Summation:			**2369198.39**				
Amount Avg CF:			**383.081955**	Linear:			
Aroclor-1254					**6**	**77.12**	
4.69	4.71	4.73	698938	573.627463			1
+ 4.69	4.73	4.73	145383.6	119.318202			1
4.76	4.78	4.80	2880962	1192.654588			2
4.88	4.90	4.92	3845278	5227.842247			3
4.97	4.99	5.01	1795389	1139.252386			4
5.17	5.20	5.21	2784345	2259.647655			5
5.29	5.31	5.33	6544227	4161.003693			6
Height Summation:			**18549139**				
Amount Avg CF:			**2425.671338**	Linear:			
Aroclor-1260					**6**	**12.66**	
4.88	4.90	4.92	3845278	2124.218542			1
5.29	5.31	5.33	6544227	2751.082729			2
5.36	5.37	5.40	2451047	2035.79755			3
5.52	5.54	5.56	2519360	2022.49004			4
5.76	5.77	5.80	7388733	2493.323174			5
5.96	5.98	6.00	4320878	2371.969437			6
Height Summation:			**27069523**				
Amount Avg CF:			**2299.813579**	Linear:			
Aroclor-1262					**6**	**39.63**	
5.35	5.37	5.39	2451047	1259.214786			1
5.52	5.54	5.56	2519360	1504.489775			2
E 5.75	5.77	5.79	7388733	2115.504281			3
5.96	5.98	6.00	4320878	1906.658688			4
+ 6.01	6.01	6.05	102050.9	95.435393			5
6.01	6.03	6.05	516671.2	483.177701			5
6.38	6.40	6.42	1603279	1375.84057			6
Height Summation:			**18799968.2**				
Amount Avg CF:			**1440.8143**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**102.89**	
3.54	3.55	3.58	45513.7	140.850358			1
+ 3.54	3.58	3.58	28818.7	89.184668			1
3.62	3.64	3.66	28695.11	73.21148			2
3.68	3.69	3.72	275849.8	478.517853			3
+ 3.68	3.71	3.72	197111.4	341.930007			3
3.79	3.80	3.83	200925.4	251.296299			4
3.88	3.90	3.92	110147.9	227.820969			5
4.02	4.04	4.06	1157241	1149.130842			6
Height Summation:			**1818372.91**				
Amount Avg CF:			**386.804633**	Linear:			
Aroclor-1254					**6**	**75.07**	
4.34	4.35	4.38	666250.8	785.969048			1
4.40	4.42	4.44	1551610	1054.51632			2
4.50	4.51	4.54	2502343	3516.000282			3
4.57	4.58	4.61	975071.8	1069.644255			4
4.64	4.65	4.68	3280472	5659.113676			5
4.88	4.89	4.92	3830723	3527.87968			6
Height Summation:			**12806470.6**				
Amount Avg CF:			**2602.18721**	Linear:			
Aroclor-1260					**6**	**14.94**	
4.64	4.65	4.68	3280472	2388.20029			1
4.75	4.76	4.78	2489453	2084.639259			2
4.88	4.89	4.92	3830723	2814.393736			3
5.11	5.12	5.15	1615376	1808.80609			4
+ 5.11	5.15	5.15	445952.8	499.35256			4
5.30	5.32	5.34	4699280	2257.116424			5
5.56	5.58	5.60	3038492	2167.607596			6
Height Summation:			**18953796**				
Amount Avg CF:			**2253.460566**	Linear:			
Aroclor-1262					**6**	**35.31**	
4.91	4.93	4.95	1169970	907.604941			1
5.11	5.12	5.15	1615376	1193.771584			2
+ 5.11	5.15	5.15	445952.8	329.561526			2
5.30	5.32	5.34	4699280	1861.024096			3
5.52	5.53	5.56	746809.1	769.780475			4
5.56	5.58	5.60	3038492	1735.211832			5
5.94	5.96	5.98	1043721	1083.505355			6
Height Summation:			**12313648.1**				
Amount Avg CF:			**1258.483047**	Linear:			
Aroclor-1268					**6**	**123.31**	
5.52	5.53	5.56	746809.1	246.907357			1
5.56	5.58	5.60	3038492	986.837035			2
5.72	5.73	5.76	57426	21.789749			3
+ 5.79	5.80	5.82	16317.05	23.680682			4
5.79	5.82	5.82	26953.62	39.117372			4
5.94	5.96	5.98	1043721	990.336358			5
6.14	6.16	6.18	227791.2	26.126478			6
Height Summation:			**5141192.92**				
Amount Avg CF:			**385.185725**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229544** ACF DF10 03A15 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.19 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**129.59**	
5.96	5.98	5.99	4320878	1023.766399			1
+ 6.01	6.01	6.05	102050.9	28.224272			2
6.01	6.03	6.05	516671.2	142.896031			2
+ 6.15	6.15	6.19	25957.81	7.791559			3
6.15	6.17	6.19	29904.03	8.976066			3
6.21	6.22	6.25	99842.74	112.027828			4
6.38	6.40	6.42	1603279	1219.667236			5
6.58	6.61	6.62	280296.2	27.503648			6

Height Summation: **6850871.17**
Amount Avg CF: **422.472868** Linear:

Analysis Report (B)

Injected on : Oct 25, 2017 12:13:25
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			500.4907	97.1541		** 94.78	4	40	
Aroclor-1221			500.4907	150.1472		** 129.57	3	40	
Aroclor-1232			500.4907	120.7066		** 91.48	4	40	
Aroclor-1242			500.4907	120.7066		** 93.87	4	40	
Aroclor-1248			500.4907	97.1541		0.97	4	40	
Aroclor-1254			500.4907	129.5388		7.02	4	40	
Aroclor-1260			500.4907	114.8185		2.04	4	40	
Aroclor-1262			500.4907	97.1541	E	13.51	4	40	
Aroclor-1268			500.4907	97.1541		9.23	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:13:25 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: 07pcbs17292004.0081.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		62357	50321
1.554		106864	92497
1.602		75191	155090
1.658		386615	507857
1.706		85020	114161
1.731		84526	99981
1.766		133733	154173
1.813		88506	116540
1.834		94726	136176
1.862		54732	41305
1.878		77716	60230
1.893		72362	55163
1.911		60371	46645
1.934		56756	72273
1.96		68934	83616
1.977		50588	35363
2.002		72297	67989
2.02		69986	65238
2.045		45056	42529
2.069		34458	23882
2.088		56847	49676
2.104		57896	56618
2.133		115694	148340
2.179		57143	54164
2.194		82078	91947
2.228		71268	146311
2.26		49946	51376
2.292		321087	237003
2.311		52206	35812
2.322		50527	25929
2.339		13111	7081
2.361		29822	29018
2.401		71902	83279
2.434		36264	19339
2.468		60896	50636
2.483		72416	85062
2.513		35859	36876
2.538		43733	52095
2.574		37518	52728
2.608		33484	29224
2.631		12310	6022
2.648		33455	58012
2.7		22682	14466
2.727		42983	39725
2.748		218659	147581
2.798		24933	37782
2.836		31669	26062
2.863		20579	16427
2.886		11673	5170
2.901		26572	16015
2.93		13129	10338
2.979		36064	38260
3.029	TCX	1296743	833931

RT A	Compound A	Height A	Area A
3.08		17079	13262
3.101		20236	26650
3.144		11273	9297
3.181		12904	8088
3.196		12183	5490
3.218		6645	4656
3.241		8903	3819
3.274		20391	21347
3.311		8927	3889
3.352		234343	191577
3.377		12279	8141
3.407		9312	5561
3.431		7889	4856
3.457		16356	14193
3.486		14712	11661
3.503		24999	13736
3.52		21244	10990
3.537		4772	2016
3.55		2551	923
3.571		8908	5918
3.59		11600	10772
3.62		35665	24500
3.645		6942	4021
3.667		5449	2901
3.692		12466	7497
3.716		10324	7625
3.743		7623	8133
3.792		14977	8245
3.806		90986	99894
3.848		68760	71756
3.903		35325	26843
3.921		2246	1213
3.945		33316	22785
3.972		479797	345667
4		403746	275738
4.023		279004	183434
4.082		3292	2241
4.101		281898	202516
4.127		149081	102778
4.158		169553	126070
4.194		189617	184863
4.236		46893	38612
4.267		32031	36162
4.301		3212	1643
4.322		60090	46600
4.358		1313802	940342
4.377		315480	172882
4.403		638513	518866
4.473		445774	392173
4.516		2066321	2068451
4.551		781202	627336
4.593		88285	62127
4.616		109331	79183
4.659		605827	546031
4.713		698938	512265
4.729		145384	65339
4.743		130199	73354
4.775		2880962	2462590
4.824		1423021	1573197
4.861		524211	378532
4.902		3845278	3407080
4.951		224880	197563
4.992		1795389	1741435
5.024		44884	27842
5.051		800489	721857
5.104		3965491	3346554

RT A	Compound A	Height A	Area A
5.12		309088	204014
5.155		753753	647037
5.195		2784345	2847988
5.239		156921	104889
5.276		488347	605156
5.31		6544227	5834860
5.332		305731	145420
5.351		107311	46716
5.374		2451047	2083509
5.417		1623624	1475092
5.516		610542	505131
5.538		2519361	2013251
5.595		1470732	1263898
5.634		822049	781797
5.675		125366	136321
5.717		1188319	1014786
5.745		88593	56544
5.774		7388733	7047897
5.86		2083	1724
5.979		4320879	4007723
6.014		102051	130778
6.033		516671	550233
6.147		25958	18448
6.168		29904	23132
6.224		99843	76953
6.25		665552	584452
6.313		11146	12189
6.354		1794	897
6.377		7446	5387
6.405		1603279	1458460
6.45		78618	68690
6.477		12228	8846
6.605		280296	265092
6.64		8150	7056
6.687		1803	1743
6.72		1720	895
6.751	DCB	663712	688796
6.82		5378	4692
6.921		1654	1195
6.985		2262	1885
7.021		15732	17728
7.126		1226	568
7.155		7599	9066
7.239		2802	2761
7.292		3306	3899
7.345		1563	1526
7.413		3292	5586
7.475		3132	3306
7.521		1472	1031
7.555		5759	8234
7.611		2020	2286
7.669		1094	563
7.685		2924	2269
7.77		2321	2730
7.893		1306	419
7.98		5094	7677
8.026		1240	450
8.088		1060	1342
8.238		10975	17374
8.275		1251	737
8.318		1827	2315
8.364		1521	528
8.411		1103	2470
8.451		1169	433
8.521		1858	1415
8.563		1406	1378

RT A	Compound A	Height A	Area A
8.578		1801	1511
8.633		2144	2429

LANCASTER LABORATORIES

Sample Number: 9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:13:25 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, 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: 07pcbs17292004B.0081.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		53373	76716
1.637		12502	12229
1.695		21094	21825
1.716		14246	11738
1.759		12859	16950
1.786		9803	9652
1.824		11317	14450
1.849		10828	10440
1.88		14007	15240
1.91		34619	48753
1.953		14313	14694
1.992		23782	25305
2.02		13329	10529
2.041		18482	16136
2.076		170084	142586
2.126		9976	8147
2.167		6735	4654
2.188		8360	7431
2.223		15958	20895
2.285		13388	13853
2.311		7820	5039
2.335		5326	3409
2.354		7127	4047
2.436		19794	40644
2.491		147607	108980
2.543		2358	1342
2.563		3833	3516
2.589		3642	2321
2.619		7727	8174
2.667		11173	11058
2.705		6380	5485
2.746	TCX	717709	491469
2.834		4492	4229
2.915		6209	4860
2.947		4811	3656
2.967		12132	8943
3.003		2690	1862
3.046		147705	123440
3.108		4461	2882
3.144		4404	5721
3.172		2836	3115
3.243		10225	5136
3.29		3162	2209
3.318		6082	8988
3.365		34415	26924
3.404		8356	7383
3.448		9900	5474
3.489		3156	2272
3.525		71377	61628
3.546		45514	23920
3.576		28819	16609
3.635		28695	21253
3.669		319621	213759
3.692		275850	162287

3.711		197111	115511
3.745		7199	4744
3.802		200925	139357
3.827		90446	52992
3.848		115599	85489
3.881		10579	5950
3.897		110148	74400
3.939		32830	30765
3.983		31402	29815
4.012		76310	45534
4.036		1157241	849822
4.062		250829	159463
4.083		131548	73647
4.102		251221	168506
4.14		1348273	1058246
4.173		494037	353967
4.193		169121	95159
4.213		33998	20734
4.256		89915	88158
4.292		361590	293101
4.321		53071	39415
4.352		666251	541627
4.396		130802	164966
4.416		1551610	1758368
4.456		397678	410696
4.51		2502343	2267572
4.549		155477	142772
4.583		975072	741779
4.608		597269	464187
4.652		3280472	2960195
4.71		98867	75388
4.76		2489453	2491902
4.813		782950	748612
4.856		706703	672971
4.894		3830723	3407330
4.927		1169970	893016
4.967		921784	796937
5.04		17124	19016
5.071		300703	403948
5.123		1615376	1360120
5.147		445953	312333
5.197		980190	942103
5.233		481553	393189
5.262		338108	283478
5.295		197421	117644
5.316		4699280	3941454
5.357		80753	59998
5.392		128757	113125
5.51		28358	17620
5.532		746809	674045
5.576		3038492	3345842
5.732		57426	51986
5.776		90751	78852
5.801		16317	10035
5.822		26954	17372
5.851		444793	402156
5.89		6662	5569
5.93		4029	2699
5.955		1043721	966301
5.987		57829	42435
6.038		3060	2152
6.155		227791	213446
6.316	DCB	519859	498313
6.522		37175	45300
6.69		2092	2113
6.716		1353	858
6.761		8289	7868

6.785	4817	5042
6.838	3253	5862
6.947	2087	2282
7.022	4013	4691
7.057	3313	3957
7.262	2881	3676
7.383	1445	1879
7.427	2039	2364
7.509	1738	2009
7.878	4636	6349
8.058	3029	4898
8.266	971	5932
8.506	15504	30038
8.622	3041	6791

9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082

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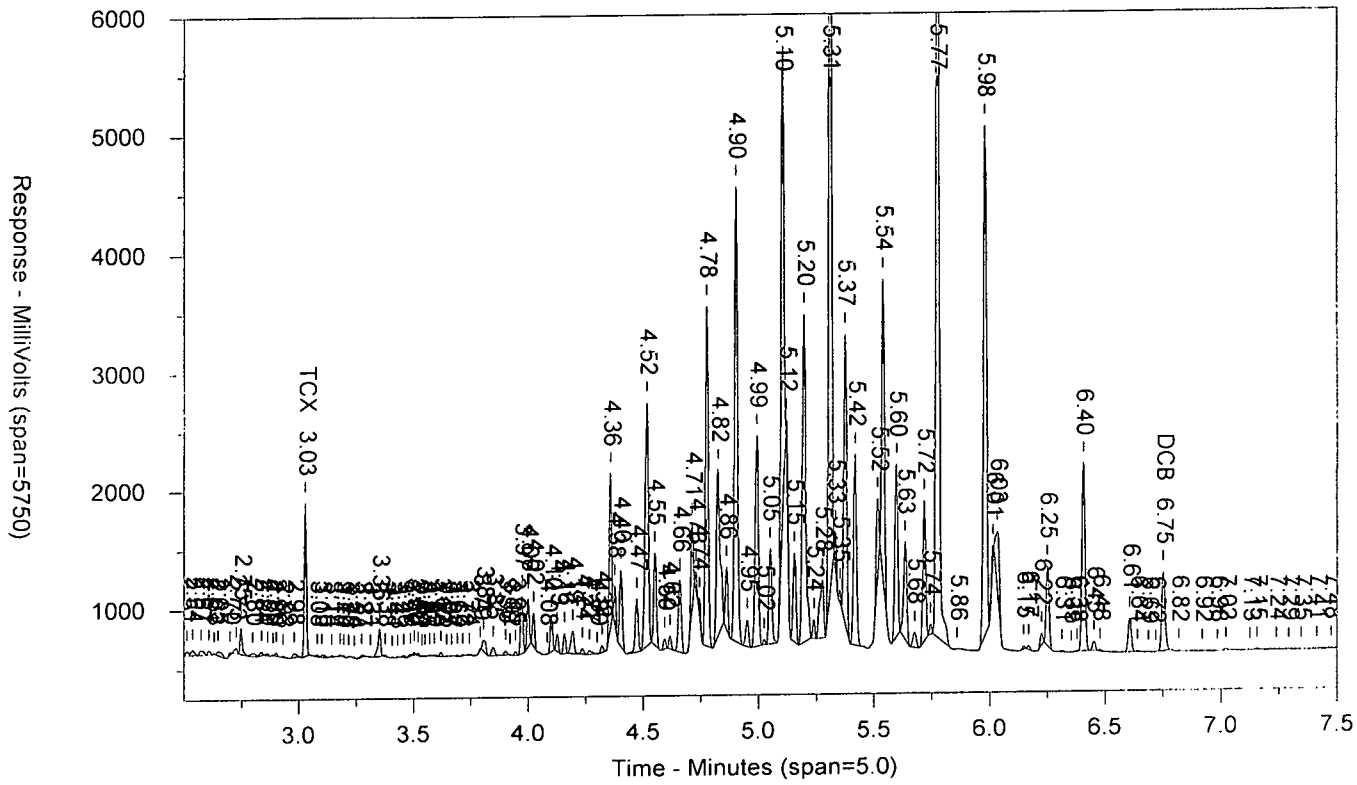

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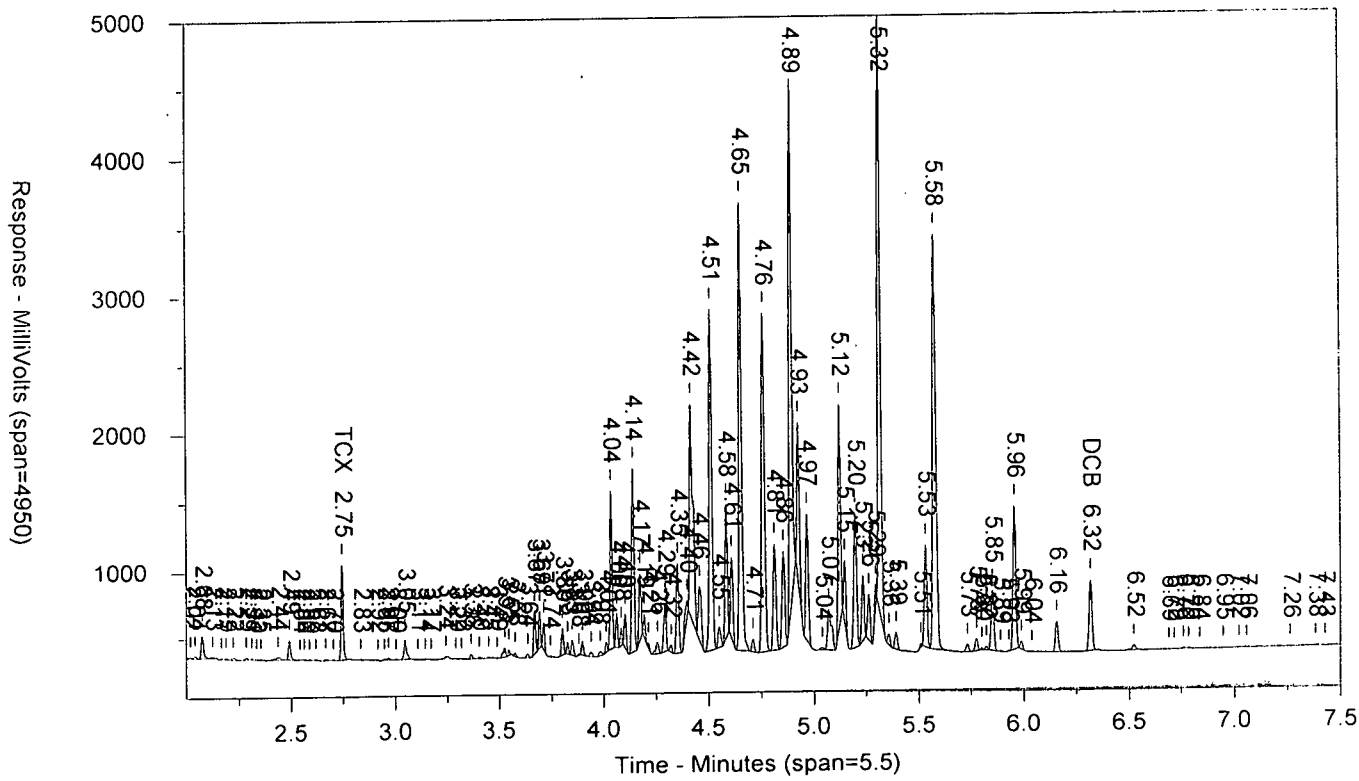

LANCASTER LABORATORIES

Sample Number: 9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:13:25 PM
Sample Weight: 10.19
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	1296743	20.042	TCX	2.746	717709	23.203	TCX
6.751	663712	25.52	DCB	6.316	519859	22.11	DCB

Files:
Area File: 07pcbs17292004.0081.RAW
Area File: 07pcbs17292004B.0081.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 12:22:05 PM
File Reported On: 10/25/2017 at 12:22:32 PM

9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082

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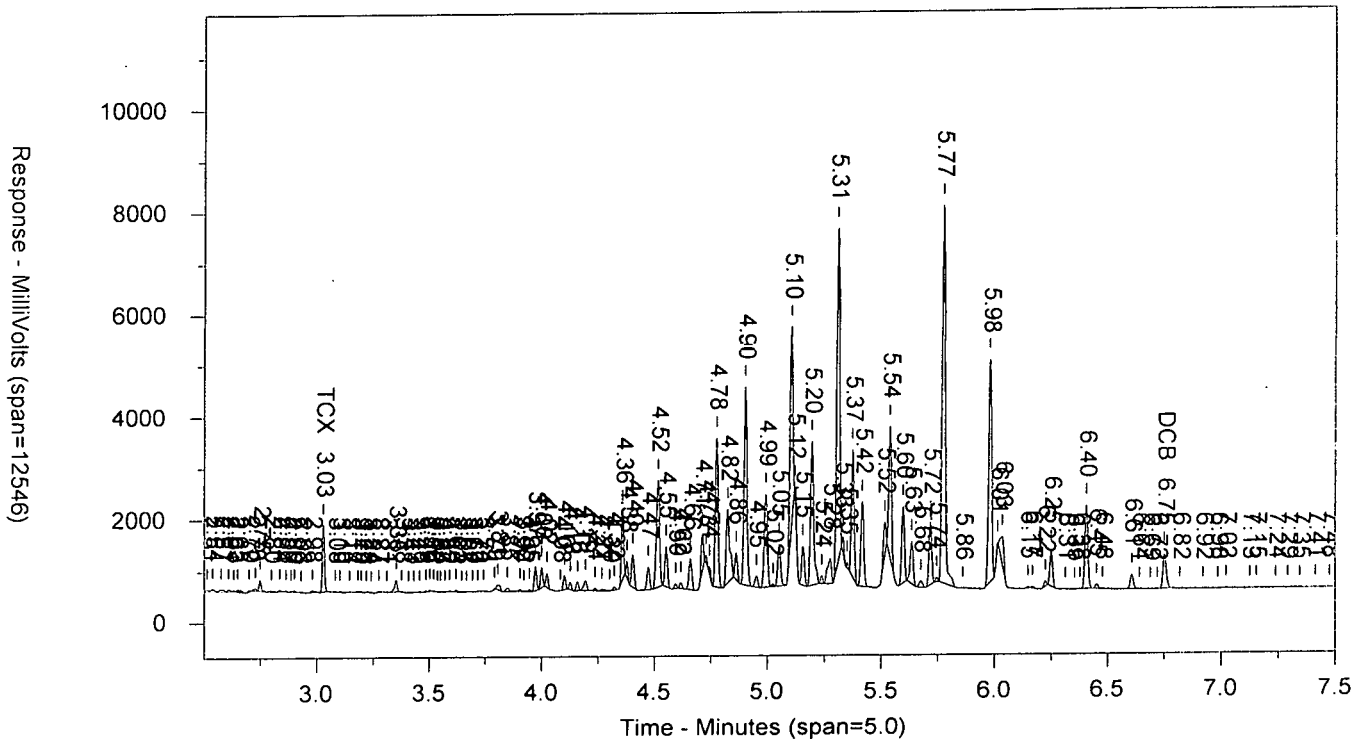

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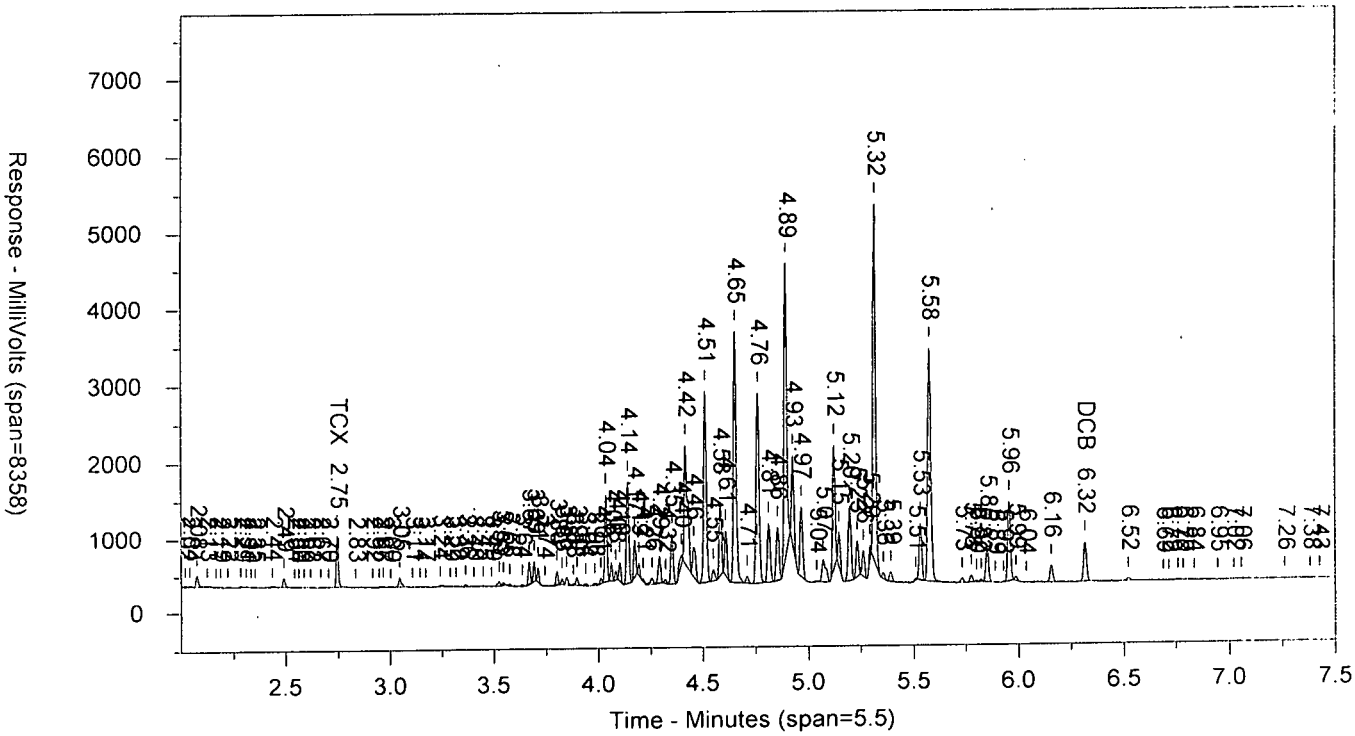

9229544 ACF DF10 AC03A15 T 172850029A 10225 SW-846 8082

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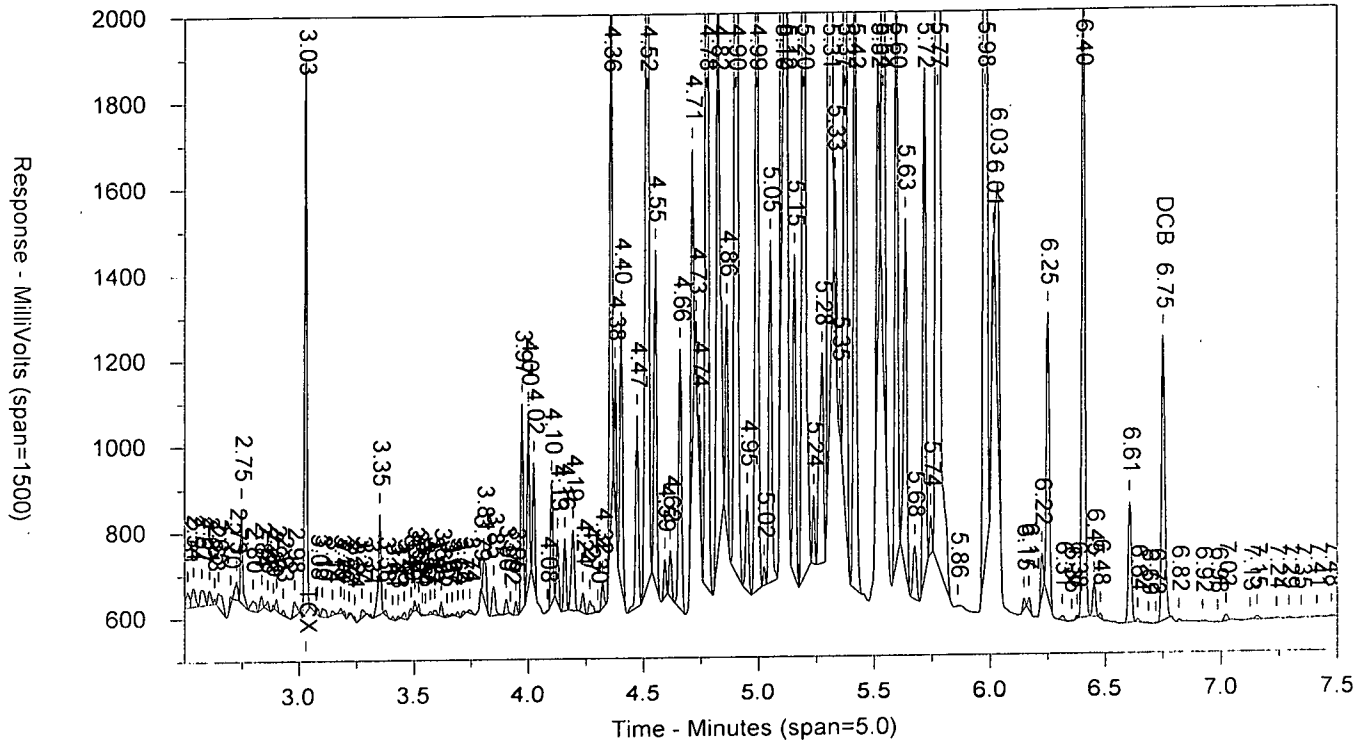

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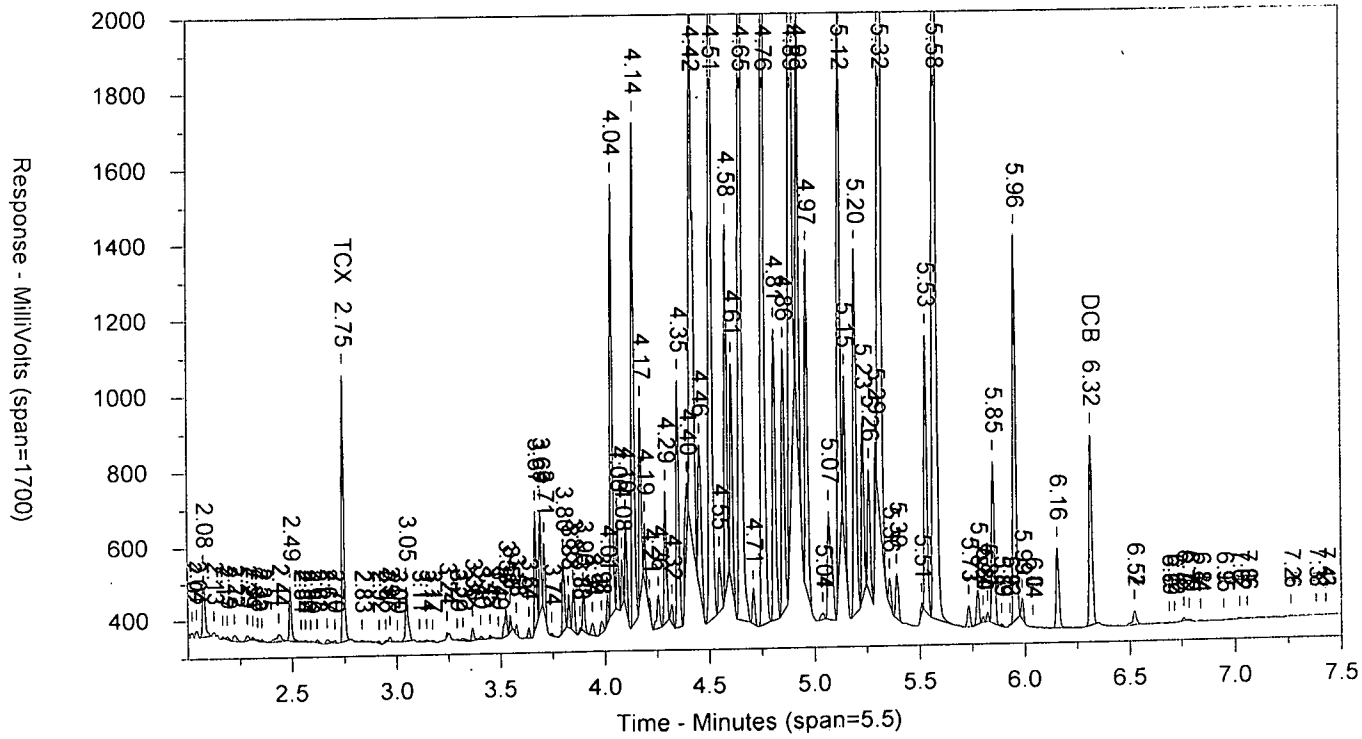

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Data Summary

Sample Name: 9229545 ACF DF5 03A16 Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 12:24:53
Instrument	19843A
Result file	07PCBS17292004.0082.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 64% (61 - 152) Conc: 18.7424
%SSR(DCB) 91% (48 - 164) Conc: 23.57926

Analysis Report (B)

Injected on	Oct 25, 2017 12:24:53
Instrument	19843B
Result file	07PCBS17292004B.0082.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 76% (61 - 152) Conc: 22.17886
%SSR(DCB) 80% (48 - 164) Conc: 20.7308

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	2496745	18.7424	Tetrachloro-m-xylene	2.72	2.75	2.78	1412449	22.17886
Decachlorobiphenyl	6.72	6.75	6.78	1262584	23.57926	Decachlorobiphenyl	6.29	6.32	6.35	1003553	20.7308

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.17886				16.80	
☑	Tetrachloro-m-xylene-D1	A	18.7424					
☑	Tetrachloro-m-xylene-D2	B	22.17886					
☐	Decachlorobiphenyl	A	23.57926				12.86	
☑	Decachlorobiphenyl-D1	A	23.57926					
☑	Decachlorobiphenyl-D2	B	20.7308					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.99**	
4.88	4.90	4.92	7921526	2125.440757			1
5.29	5.31	5.33	12637540	2580.337646			2
5.36	5.38	5.40	5475562	2208.921841			3
5.52	5.54	5.56	5618002	2190.517622			4
5.76	5.77	5.80	16506180	2705.352605			5
5.96	5.98	6.00	9216886	2457.480049			6

Height summation: **57375696**
Concentration CF: **2378.00842** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.37**	
4.64	4.65	4.68	7151145	2528.591628			1
4.75	4.76	4.78	5269765	2143.319572			2
4.88	4.89	4.92	7324140	2613.541759			3
5.11	5.12	5.15	3707408	2016.310762			4
5.30	5.32	5.34	10794750	2518.279483			5
5.56	5.58	5.60	6466020	2240.414169			6

Height summation: **40713228**
Concentration CF: **2343.409562** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<243.0887	<47.1878	D1		4	
☑	PCB-1221			<243.0887	<72.9266	D1		3	
☑	PCB-1232			<243.0887	<58.6273	D1		4	
☑	PCB-1242			<243.0887	<58.6273	D1		4	
☑	PCB-1248			<243.0887	<47.1878	D1		4	
☑	PCB-1254			<243.0887	<62.9171	D1		4	
☑	PCB-1260	A	2378.00842	243.0887	55.7674	D1	1.47	4	

Units: ug/kg

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

Valerie L. Tomaglio
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:32

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229545** ACF DF5 03A16 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0082.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 64% (61-152) Conc.: 18.7424
%SSR(DCB) : 91% (48-164) Conc.: 23.57926

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**142.54**	
3.27	3.28	3.31	37303.18	17.753784			1
3.48	3.50	3.52	67997.67	31.141138			2
+ 3.48	3.52	3.52	30229.38	13.844258			2
3.60	3.62	3.64	54785.4	21.758706			3
3.82	3.84	3.86	104986	35.801225			4
3.88	3.90	3.92	99611.51	40.621705			5
4.08	4.10	4.12	496930.8	272.90882			6
Height Summation:			**861614.56**				
Amount Avg CF:			**69.997563**	Linear:			
Aroclor-1221					**3**	**81.12**	
3.16	3.18	3.20	13679.68	12.715659			1
+ 3.16	3.20	3.20	10972.88	10.19961			1
3.22	3.23	3.26	40290.29	43.440181			2
3.27	3.28	3.31	37303.18	11.162466			3
Height Summation:			**91273.15**				
Amount Avg CF:			**22.439435**	Linear:			
Aroclor-1232					**6**	**156.21**	
3.26	3.28	3.30	37303.18	14.573905			1
3.48	3.50	3.52	67997.67	67.105967			2
+ 3.48	3.52	3.52	30229.38	29.83296			2
3.60	3.62	3.64	54785.4	46.43561			3
3.82	3.84	3.86	104986	72.735422			4
3.88	3.90	3.92	99611.51	91.5943			5
+ 4.08	4.08	4.12	6547.981	8.787322			6
4.08	4.10	4.12	496930.8	666.875903			6
Height Summation:			**861614.56**				
Amount Avg CF:			**159.886851**	Linear:			
Aroclor-1242					**6**	**145.32**	
3.27	3.28	3.31	37303.18	20.722707			1
3.48	3.50	3.52	67997.67	37.529487			2
+ 3.48	3.52	3.52	30229.38	16.684294			2
3.60	3.62	3.64	54785.4	26.119374			3
3.82	3.84	3.86	104986	41.538978			4
3.88	3.90	3.92	99611.51	52.581984			5
4.08	4.10	4.12	496930.8	345.054974			6
Height Summation:			**861614.56**				
Amount Avg CF:			**87.257917**	Linear:			
Aroclor-1248					**6**	**129.35**	
3.82	3.84	3.86	104986	65.255277			1
3.88	3.90	3.92	99611.51	74.085403			2
3.95	3.97	3.99	777428.1	339.202235			3
4.08	4.10	4.12	496930.8	193.748023			4
4.17	4.19	4.21	281819.1	131.782858			5
4.36	4.36	4.40	2421097	1178.388138			6
+ 4.36	4.38	4.40	490167.4	238.572618			6
Height Summation:			**4181872.51**				
Amount Avg CF:			**330.410322**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0082.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 76% (61-152) Conc.: 22.17886
%SSR(DCB) : 80% (48-164) Conc.: 20.7308

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**81.12**	
3.02	3.05	3.06	317799.5	282.747667			1
3.35	3.37	3.39	50450.77	37.033356			2
+ 3.54	3.55	3.58	11041.53	8.126623			3
3.54	3.56	3.58	48270.93	35.527653			3
3.62	3.63	3.66	75252.88	53.25358			4
3.68	3.69	3.72	242388.1	227.303726			5
+ 3.68	3.71	3.72	57191.31	53.632162			5
3.79	3.80	3.83	344113.8	290.379733			6
Height Summation:			**1078275.98**				
Amount Avg CF:			**154.374286**	Linear:			
Aroclor-1221					**3**	**111.05**	
2.90	2.92	2.94	4395.304	6.664254			1
2.96	2.97	3.00	22356.51	58.646815			2
+ 2.96	3.00	3.00	11880.17	31.164709			2
3.02	3.05	3.06	317799.5	190.119744			3
Height Summation:			**344551.314**				
Amount Avg CF:			**85.143604**	Linear:			
Aroclor-1232					**6**	**92.54**	
3.02	3.05	3.06	317799.5	240.381859			1
3.35	3.37	3.39	50450.77	79.621618			2
+ 3.54	3.55	3.58	11041.53	17.050829			3
3.54	3.56	3.58	48270.93	74.542149			3
3.62	3.63	3.66	75252.88	122.090512			4
3.68	3.69	3.72	242388.1	615.215522			5
+ 3.68	3.71	3.72	57191.31	145.159691			5
3.79	3.80	3.83	344113.8	714.537869			6
Height Summation:			**1078275.98**				
Amount Avg CF:			**307.731588**	Linear:			
Aroclor-1242					**6**	**81.16**	
3.02	3.05	3.06	317799.5	328.670763			1
3.35	3.37	3.39	50450.77	43.800045			2
+ 3.54	3.55	3.58	11041.53	9.231355			3
3.54	3.56	3.58	48270.93	40.357276			3
3.62	3.63	3.66	75252.88	65.679953			4
3.68	3.69	3.72	242388.1	292.949885			5
+ 3.68	3.71	3.72	57191.31	69.121329			5
3.79	3.80	3.83	344113.8	353.64232			6
Height Summation:			**1078275.98**				
Amount Avg CF:			**187.516707**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229545** ACF DF5 03A16 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0082.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**88.92**	
4.69	4.71	4.73	1084078	432.136065			1
+ 4.69	4.73	4.73	498361.1	198.657112			1
4.76	4.78	4.80	3901700	784.512245			2
E 4.88	4.90	4.92	7921526	5230.850199			3
4.97	4.99	5.01	2485786	766.114751			4
5.17	5.20	5.21	5408834	2132.0139			5
5.29	5.31	5.33	12637540	3902.752308			6
Height Summation:			**33439464**				
Amount Avg CF:			**2208.063245**	Linear:			
Aroclor-1260					**6**	**9.99**	
4.88	4.90	4.92	7921526	2125.440757			1
5.29	5.31	5.33	12637540	2580.337646			2
5.36	5.38	5.40	5475562	2208.921841			3
5.52	5.54	5.56	5618002	2190.517622			4
5.76	5.77	5.80	16506180	2705.352605			5
5.96	5.98	6.00	9216886	2457.480049			6
Height Summation:			**57375696**				
Amount Avg CF:			**2378.00842**	Linear:			
Aroclor-1262					**6**	**31.20**	
E 5.35	5.38	5.39	5475562	1366.298453			1
E 5.52	5.54	5.56	5618002	1629.482124			2
E 5.75	5.77	5.79	16506180	2295.404413			3
E 5.96	5.98	6.00	9216886	1975.394629			4
6.01	6.03	6.05	2022226	918.52508			5
E 6.38	6.41	6.42	3165400	1319.338712			6
Height Summation:			**42004256**				
Amount Avg CF:			**1584.073902**	Linear:			
Aroclor-1268					**6**	**120.78**	
E 5.96	5.98	5.99	9216886	1060.673658			1
6.01	6.03	6.05	2022226	271.646617			2
+ 6.15	6.15	6.19	39087.59	5.698544			3
6.15	6.17	6.19	67096.93	9.782			3
6.21	6.22	6.25	193206.8	105.293251			4
E 6.38	6.41	6.42	3165400	1169.578972			5
6.58	6.61	6.62	535475.6	25.520048			6
Height Summation:			**15200291.33**				
Amount Avg CF:			**440.415758**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0082.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**123.32**	
+ 3.54	3.55	3.58	11041.53	16.596395			1
3.54	3.56	3.58	48270.93	72.555473			1
3.62	3.63	3.66	75252.88	93.253066			2
3.68	3.69	3.72	242388.1	204.223383			3
+ 3.68	3.71	3.72	57191.31	48.186371			3
3.79	3.80	3.83	344113.8	209.036459			4
3.88	3.90	3.92	169864.8	170.643427			5
4.02	4.04	4.06	2157149	1040.386033			6
Height Summation:			**3037039.51**				
Amount Avg CF:			**298.34964**	Linear:			
Aroclor-1254					**6**	**92.50**	
4.34	4.35	4.38	1074195	615.48791			1
4.40	4.42	4.44	1183521	390.674805			2
+ 4.40	4.43	4.44	822871.6	271.626107			2
4.50	4.51	4.54	5310027	3623.827296			3
4.57	4.58	4.61	1299084	692.163511			4
E 4.64	4.65	4.68	7151145	5991.787006			5
4.88	4.89	4.92	7324140	3276.109077			6
Height Summation:			**23342112**				
Amount Avg CF:			**2431.674934**	Linear:			
Aroclor-1260					**6**	**10.37**	
4.64	4.65	4.68	7151145	2528.591628			1
4.75	4.76	4.78	5269765	2143.319572			2
4.88	4.89	4.92	7324140	2613.541759			3
5.11	5.12	5.15	3707408	2016.310762			4
+ 5.11	5.15	5.15	568918.6	309.412046			4
5.30	5.32	5.34	10794750	2518.279483			5
5.56	5.58	5.60	6466020	2240.414169			6
Height Summation:			**40713228**				
Amount Avg CF:			**2343.409562**	Linear:			
Aroclor-1262					**6**	**34.51**	
E 4.91	4.93	4.95	2913750	1097.850268			1
E 5.11	5.12	5.15	3707408	1330.720029			2
E 5.30	5.32	5.34	10794750	2076.356695			3
5.52	5.53	5.56	1599060	800.554217			4
E 5.56	5.58	5.60	6466020	1793.494903			5
E 5.94	5.96	5.98	2283351	1151.298708			6
Height Summation:			**27764339**				
Amount Avg CF:			**1375.045803**	Linear:			
Aroclor-1268					**6**	**125.31**	
5.52	5.53	5.56	1599060	256.778046			1
E 5.56	5.58	5.60	6466020	1019.983359			2
5.72	5.73	5.76	112144.3	20.667577			3
5.79	5.80	5.82	37238.67	26.249161			4
+ 5.79	5.82	5.82	36888.22	26.002132			4
E 5.94	5.96	5.98	2283351	1052.300263			5
6.14	6.16	6.18	423257.1	23.578538			6
Height Summation:			**10921071.07**				
Amount Avg CF:			**399.926157**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229545** ACF DF5 03A16 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.49 g Total Volume: 50 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0082.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 12:24:53
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0082.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			243.0887	47.1878		** 75.21	4	40	
Aroclor-1221			243.0887	72.9266		** 116.57	3	40	
Aroclor-1232			243.0887	58.6273		** 63.23	4	40	
Aroclor-1242			243.0887	58.6273		** 72.98	4	40	
Aroclor-1248			243.0887	47.1878		10.20	4	40	
Aroclor-1254			243.0887	62.9171	E	9.64	4	40	
Aroclor-1260			243.0887	55.7674		1.47	4	40	
Aroclor-1262			243.0887	47.1878	E	14.13	4	40	
Aroclor-1268			243.0887	47.1878	E	9.64	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:24:53 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: 07pcbs17292004.0082.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.51		104074	80464
1.554		125941	106683
1.601		131303	313966
1.658		579013	592000
1.677		240855	205843
1.702		128908	187478
1.73		111283	146251
1.765		98813	121035
1.814		117850	143167
1.832		98159	138097
1.861		41815	25203
1.878		85338	65229
1.892		66667	46888
1.911		39290	27603
1.936		39685	49937
1.961		70292	82706
2.002		59734	51841
2.02		62233	56031
2.048		33642	26954
2.069		19994	12346
2.087		60805	52691
2.102		46759	42055
2.132		160517	185523
2.157		25639	19013
2.177		57928	53348
2.196		84463	82235
2.225		98306	167208
2.261		63689	65205
2.292		153790	119270
2.312		60866	44160
2.337		22842	16275
2.361		30949	33018
2.403		51800	59441
2.433		16829	8236
2.452		11521	6228
2.468		42289	28943
2.484		55506	60752
2.514		15142	16120
2.538		40191	42231
2.578		41249	51982
2.606		27959	20956
2.631		12502	5482
2.648		11140	5149
2.66		13056	9678
2.701		20886	12594
2.727		77243	57387
2.748		436354	278817
2.8		20301	24285
2.834		24755	17367
2.861		19225	15099
2.886		8760	3606
2.901		38199	22317
2.932		11917	12053

RT A	Compound A	Height A	Area A
2.98		11591	6878
2.992		27116	15769
3.029	TCX	2496745	1642357
3.08		14450	9738
3.11		25673	33036
3.145		9446	11223
3.181		13680	8516
3.196		10973	5517
3.228		40290	46468
3.258		4392	1704
3.284		37303	41133
3.311		7718	4322
3.352		527911	392810
3.403		21510	12593
3.429		19152	10641
3.457		14718	14503
3.481		7700	4670
3.502		67998	40849
3.519		30229	16040
3.549		5782	2650
3.573		7477	5397
3.59		12548	10692
3.619		54785	33827
3.648		5970	3955
3.665		4257	1857
3.691		13216	11015
3.71		14492	8389
3.736		27212	32284
3.774		6606	4128
3.792		50540	28197
3.804		87612	52676
3.843		104986	83258
3.903		99612	109623
3.947		25519	16905
3.973		777428	561378
4		286457	225233
4.023		52517	26998
4.05		5848	3934
4.08		6548	4114
4.102		496931	349562
4.127		89242	58322
4.158		95447	66466
4.194		281819	267784
4.236		66028	53602
4.266		15399	9124
4.279		9361	5432
4.301		4941	2952
4.322		69116	53198
4.359		2421097	1768568
4.378		490167	264134
4.403		549030	445119
4.473		615898	540474
4.516		3826579	3602635
4.552		786717	619839
4.593		42811	29244
4.617		125835	97443
4.66		801035	722337
4.712		1084078	751251
4.729		498361	372361
4.776		3901700	3342871
4.824		3012431	3330435
4.862		985590	705342
4.902		7921526	6997859
4.951		237605	208631
4.993		2485786	2414586
5.025		74374	46676

RT A	Compound A	Height A	Area A
5.052		1530785	1370465
5.104		10736860	12502630
5.156		1626664	1435351
5.196		5408834	5422240
5.239		156057	97938
5.276		893065	1118382
5.311		12637540	11376710
5.333		591322	296570
5.352		178447	76678
5.375		5475563	4656366
5.418		3567391	3253345
5.455		10688	7502
5.517		944130	804657
5.538		5618002	4604924
5.596		3053614	2702360
5.635		1787436	1649580
5.676		257427	272502
5.718		2161548	1977916
5.746		115789	66752
5.775		16506180	15555620
5.921		2886	1562
5.981		9216886	8434499
6.034		2022226	3914454
6.147		39088	29143
6.169		67097	51753
6.199		2646	1011
6.225		193207	147704
6.251		1333466	1169314
6.315		15096	16670
6.354		1361	716
6.375		9831	5660
6.406		3165400	3012806
6.451		160373	141213
6.475		4705	3901
6.606		535476	508706
6.656		13890	25339
6.722		1883	914
6.752	DCB	1262584	1338862
6.819		4744	5010
6.876		1029	604
6.915		1338	670
6.963		1421	592
7.032		2093	3749
7.122		1682	2795
7.162		1549	1331
7.237		3971	2818
7.298		21258	59132
7.41		1958	3307
7.47		2467	1759
7.543		1723	1342
7.612		1918	1574
7.633		1114	397
7.675		1919	1393
7.747		1110	583
7.815		1577	476
7.833		1481	998
7.907		1509	399
7.982		14499	22498
8.023		1689	480
8.09		1964	1907
8.164		2176	2333
8.238		16501	25794
8.284		1951	809
8.414		2660	3262
8.441		967	568
8.475		1384	613

RT A	Compound A	Height A	Area A
8.492		1487	663
8.527		1107	530
8.561		1459	391
8.587		1570	846
8.632		1540	1269

LANCASTER LABORATORIES

Sample Number: 9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:24:53 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, 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: 07pcbs17292004B.0082.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.58		32502	33558
1.598		33216	29813
1.637		19674	23284
1.695		33002	35508
1.716		15547	13938
1.762		7726	9671
1.822		5272	6108
1.846		6022	5248
1.879		13875	13584
1.91		69974	89723
1.953		15241	14668
1.973		14600	13965
1.991		43960	45326
2.04		25516	23707
2.076		79768	69601
2.126		3712	3178
2.14		9313	7897
2.167		2284	1041
2.185		7347	5061
2.224		12281	11550
2.284		17205	22665
2.31		5600	3240
2.326		5455	4388
2.355		7385	4673
2.397		6347	6680
2.436		32690	37401
2.491		280442	205331
2.564		12281	20816
2.622		18250	28320
2.666		9867	9997
2.705		6089	5128
2.746	TCX	1412449	977691
2.875		4246	6081
2.917		4395	3166
2.947		12968	9490
2.967		22357	15963
3.003		11880	9461
3.047		317800	266030
3.08		15456	9550
3.107		23395	16084
3.145		11829	10735
3.176		12089	10796
3.201		12138	6485
3.243		56169	64046
3.292		8051	5323
3.314		11534	9581
3.366		50451	34260
3.406		9804	9456
3.434		7573	3960
3.447		14133	7208
3.469		18504	19556
3.515		27023	13941
3.525		63358	30746
3.546		11042	4977

3.559		48271	34828
3.635		75253	52176
3.669		519388	353655
3.692		242388	149083
3.711		57191	29348
3.745		9149	5995
3.802		344114	247335
3.826		60389	34965
3.849		69979	51015
3.88		22413	11653
3.897		169865	114982
3.94		47155	41146
3.982		38588	35096
4.013		129469	80402
4.036		2157149	1552110
4.062		215196	129815
4.083		112216	61403
4.102		375532	257680
4.139		2424986	1903550
4.173		531692	373168
4.193		245242	152909
4.256		96270	89556
4.292		476829	399024
4.32		21786	16685
4.352		1074195	894834
4.396		309692	255406
4.415		1183521	679597
4.429		822872	454878
4.456		808574	849117
4.511		5310027	4602563
4.549		162575	159836
4.582		1299084	962435
4.608		1151400	916737
4.652		7151145	6184609
4.709		17934	12444
4.76		5269765	5254470
4.814		1088174	1074820
4.856		1390768	1270556
4.893		7324140	6676816
4.927		2913751	2187190
4.967		2123873	1813961
5.039		29463	27720
5.072		648690	784895
5.123		3707408	3117527
5.148		568919	385667
5.198		2159226	1975363
5.234		997245	815529
5.262		679995	575290
5.295		315142	188290
5.317		10794750	9088847
5.358		169121	128700
5.392		261116	233552
5.51		55979	35008
5.533		1599061	1402775
5.577		6466020	7259335
5.733		112144	104693
5.776		184839	158107
5.802		37239	24000
5.823		36888	22427
5.851		933915	826532
5.891		6437	5123
5.93		5007	2890
5.956		2283351	2014512
5.987		108918	82359
6.156		423257	424540
6.316	DCB	1003553	955840
6.523		42664	50266

6.582	1516	1312
6.742	2251	2809
6.793	2621	2611
6.841	2220	2899
6.987	961	2995
7.185	1955	2284
7.262	7403	9084
7.762	1570	1653
7.88	8091	13253
8.115	1984	3120
8.511	2520	4884

9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082

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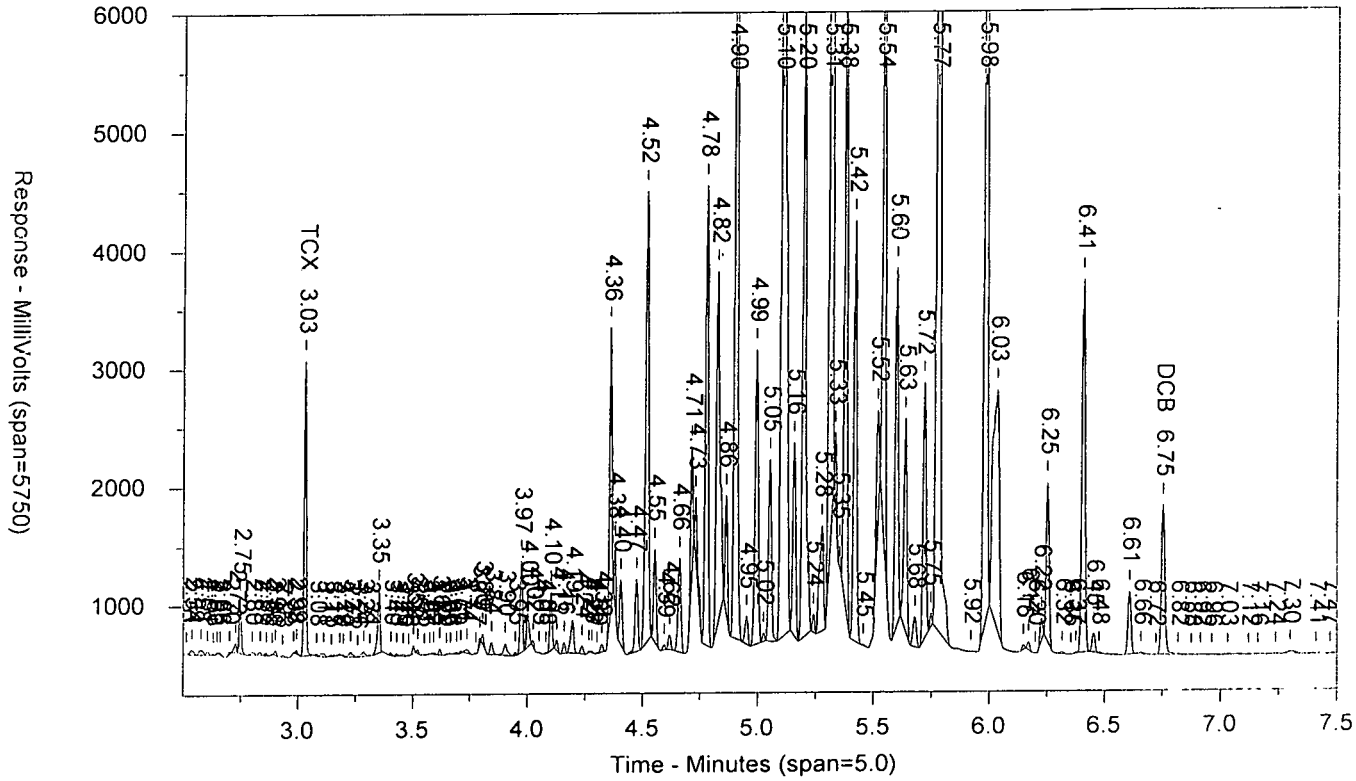

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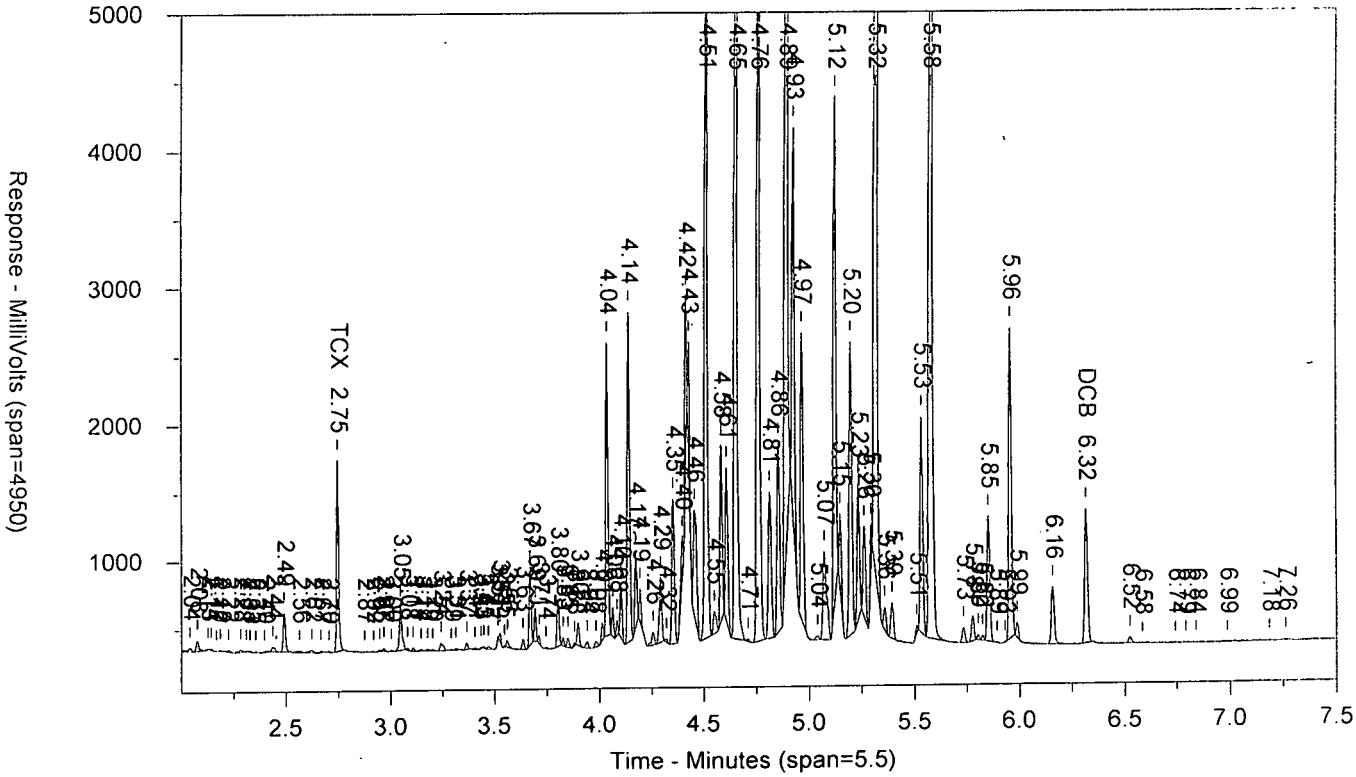

LANCASTER LABORATORIES

Sample Number: 9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 12:24:53 PM
Sample Weight: 10.49
Dilution Factor: 50
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	2496745	18.742	TCX	2.746	1412449	22.179	TCX
6.752	1262584	23.579	DCB	6.316	1003553	20.731	DCB

Files:
Area File: 07pcbs17292004.0082.RAW
Area File: 07pcbs17292004B.0082.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 12:33:32 PM
File Reported On: 10/25/2017 at 12:33:54 PM

9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082

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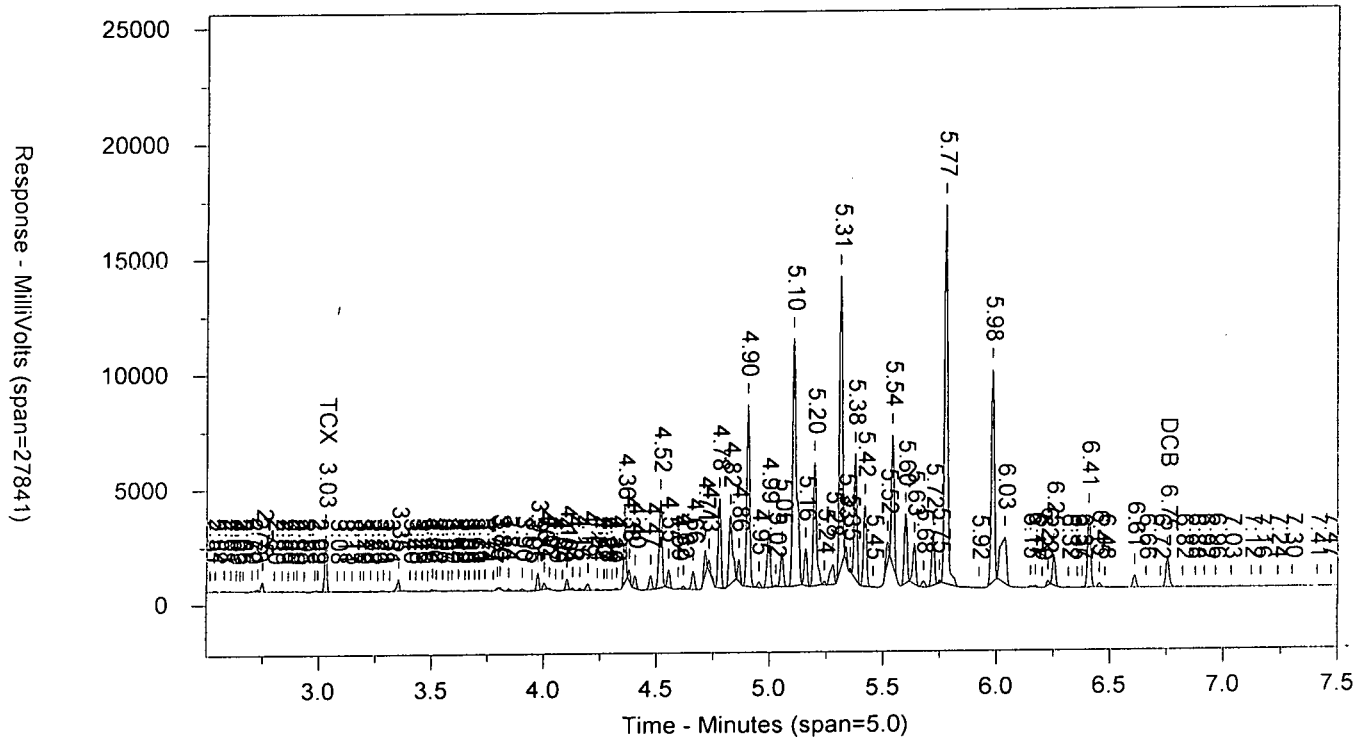

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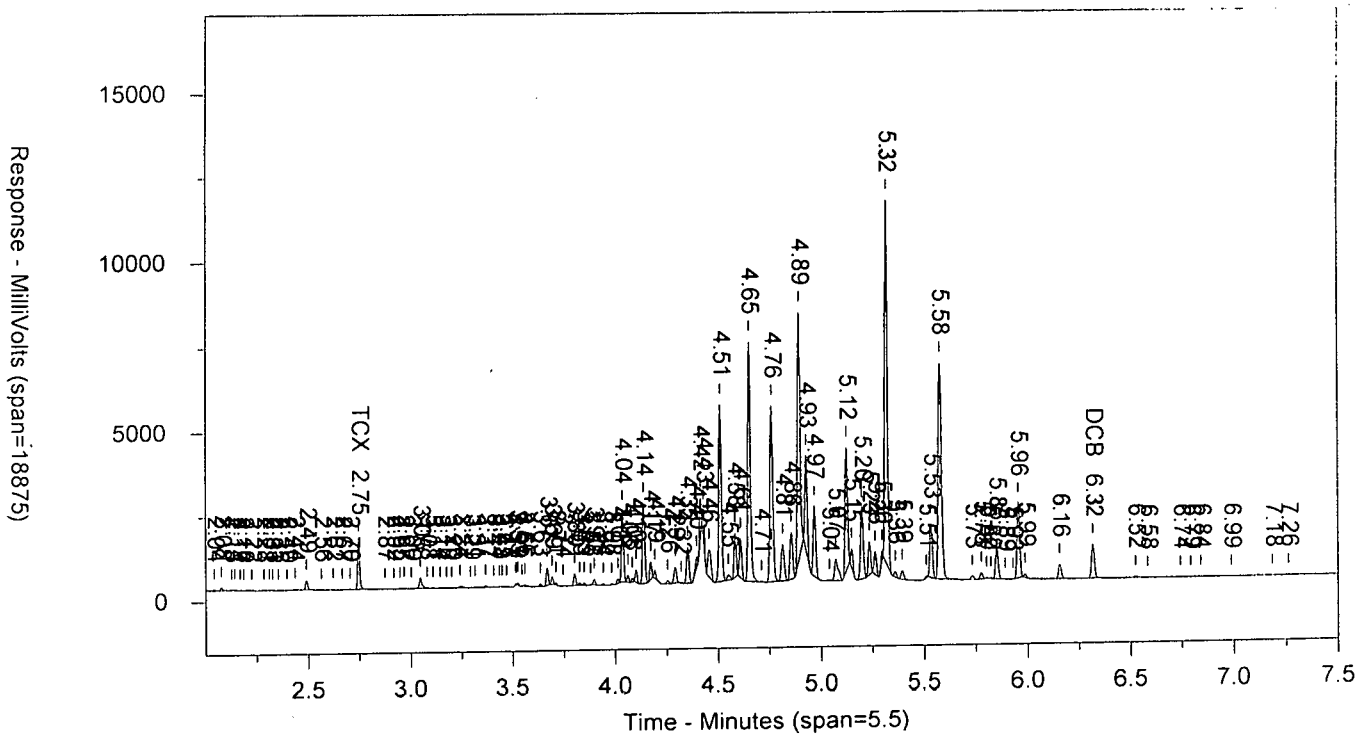

9229545 ACF DF5 AC03A16 T 172850029A 10225 SW-846 8082

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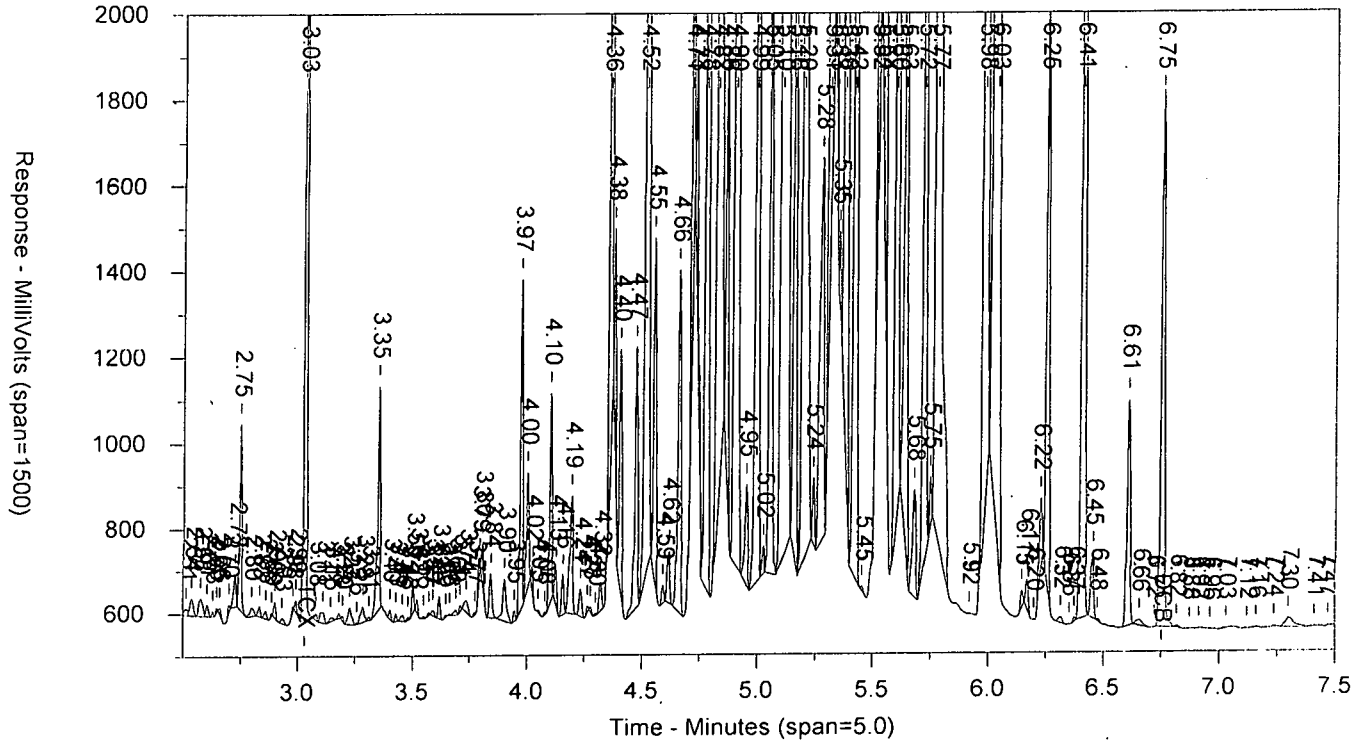

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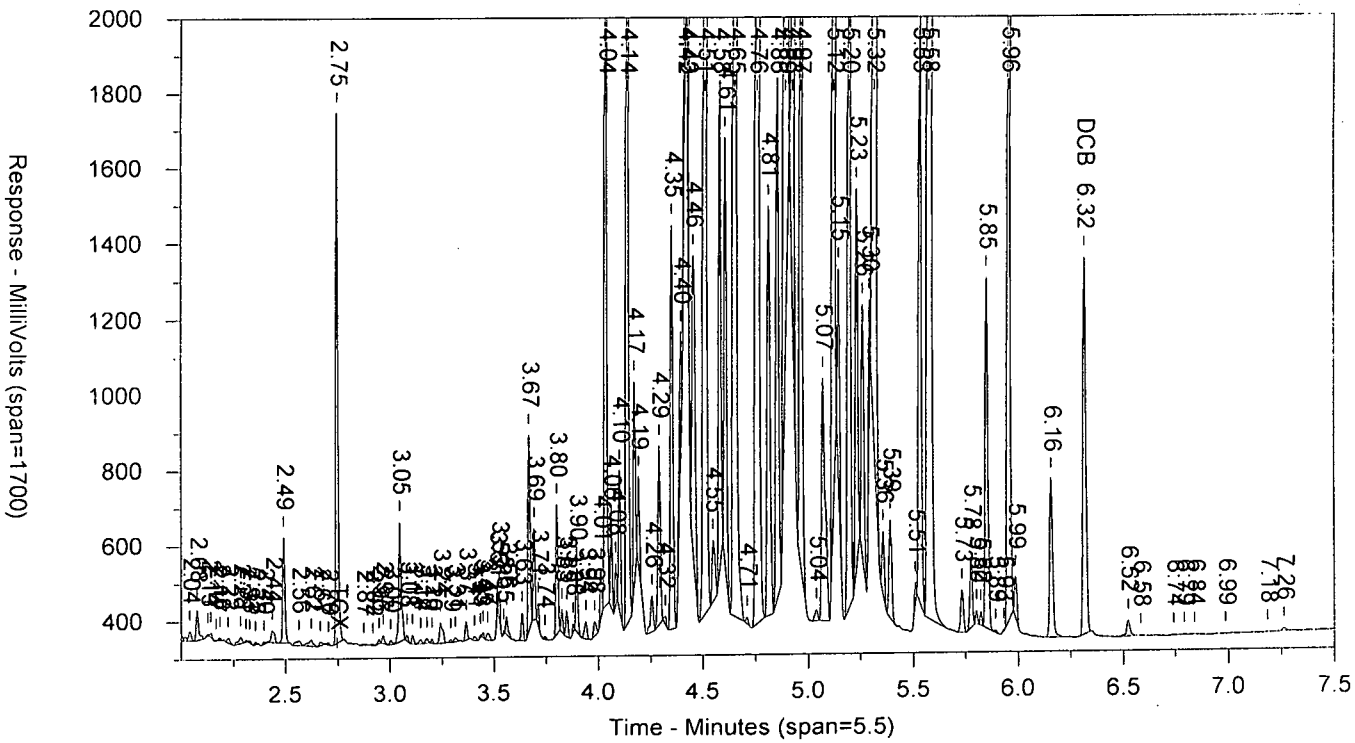

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229546 ACF DF50 03A17 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.4 g Total Volume: 500 ml Analyst: 2855 SDG: ATH03 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 09:14:11
Instrument	19843A
Result file	07PCBS17292003.0073.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 85% (61 - 152) Conc: 24.89862

%SSR(DCB) 126% (48 - 164) Conc: 32.92333

Analysis Report (B)

Injected on	Oct 24, 2017 09:14:11
Instrument	19843B
Result file	07PCBS17292003B.0073.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 28.94682

%SSR(DCB) 111% (48 - 164) Conc: 29.03809

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	328838	24.89862
Decachlorobiphenyl	6.72	6.75	6.78	174780	32.92333

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	182765	28.94682
Decachlorobiphenyl	6.29	6.32	6.35	139364	29.03809

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.94682				15.04	
☑	Tetrachloro-m-xylene-D1	A	24.89862					
☑	Tetrachloro-m-xylene-D2	B	28.94682					
☐	Decachlorobiphenyl	A	32.92333				12.54	
☑	Decachlorobiphenyl-D1	A	32.92333					
☑	Decachlorobiphenyl-D2	B	29.03809					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.65**	
4.88	4.90	4.92	6080304	16455.367834			1
5.29	5.31	5.33	9566003	19700.92678			2
5.36	5.38	5.40	4114640	16742.705612			3
5.52	5.54	5.56	4447468	17491.209547			4
5.76	5.78	5.80	12279630	20300.406328			5
5.96	5.98	6.00	6785190	18247.776249			6

Height summation: **43273235**

Concentration CF: **18156.398725** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.30**	
4.64	4.65	4.68	4823038	17201.485125			1
4.75	4.76	4.78	3856200	15819.668558			2
4.88	4.89	4.92	5157552	18563.444785			3
5.11	5.12	5.15	2635386	14456.843142			4
5.30	5.32	5.34	7027850	16536.971229			5
5.56	5.58	5.60	4716518	16483.707984			6

Height summation: **28216544**

Concentration CF: **16510.353471** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2451.9232	<475.9616	D1		4	
☑	PCB-1221			<2451.9232	<735.5769	D1		3	
☑	PCB-1232			<2451.9232	<591.3462	D1		4	
☑	PCB-1242			<2451.9232	<591.3462	D1		4	
☑	PCB-1248			<2451.9232	<475.9616	D1		4	
☑	PCB-1254			<2451.9232	<634.6154	D1		4	
☑	PCB-1260	A	18156.398725	2451.9232	562.5	D1	9.50	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:51

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229546** ACF DF50 03A17 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.4 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

1760 ① 025 B

Analysis Report (A)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 85% (61-152) Conc.: 24.89862
%SSR(DCB) : 126% (48-164) Conc.: 32.92333

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**68.45**	
3.27	3.28	3.31	67442.77	323.75958			1
3.48	3.50	3.52	108173.6	499.693713			2
+ 3.48	3.52	3.52	69818.99	322.519638			2
3.60	3.62	3.64	129303.5	517.989146			3
3.82	3.85	3.86	320170.8	1101.261286			4
3.88	3.90	3.92	218800.4	899.992486			5
4.08	4.10	4.12	357390.2	1979.732193			6
Height Summation:			**1201281.27**				
Amount Avg CF:			**887.071401**	Linear:			
Aroclor-1221					**3**	**31.62**	
3.16	3.18	3.20	38979.36	365.459937			1
+ 3.16	3.20	3.20	10425.44	97.746106			1
+ 3.22	3.22	3.26	14630.4	159.107108			2
3.22	3.24	3.26	21960.85	238.826507			2
3.27	3.28	3.31	67442.77	203.559722			3
Height Summation:			**128382.98**				
Amount Avg CF:			**269.282056**	Linear:			
Aroclor-1232					**6**	**82.89**	
3.26	3.28	3.30	67442.77	265.771018			1
+ 3.48	3.48	3.52	10869.33	108.196206			2
3.48	3.50	3.52	108173.6	1076.788826			2
+ 3.48	3.52	3.52	69818.99	694.996823			2
3.60	3.62	3.64	129303.5	1105.449085			3
3.82	3.85	3.86	320170.8	2237.373265			4
3.88	3.90	3.92	218800.4	2029.313692			5
+ 4.08	4.08	4.12	5164.923	69.912545			6
4.08	4.10	4.12	357390.2	4837.643916			6
Height Summation:			**1201281.27**				
Amount Avg CF:			**1925.389967**	Linear:			
Aroclor-1242					**6**	**71.00**	
3.27	3.28	3.31	67442.77	377.901113			1
3.48	3.50	3.52	108173.6	602.201772			2
+ 3.48	3.52	3.52	69818.99	388.681892			2
3.60	3.62	3.64	129303.5	621.799472			3
3.82	3.85	3.86	320170.8	1277.757045			4
3.88	3.90	3.92	218800.4	1164.977956			5
4.08	4.10	4.12	357390.2	2503.094032			6
Height Summation:			**1201281.27**				
Amount Avg CF:			**1091.288565**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 28.94682
%SSR(DCB) : 111% (48-164) Conc.: 29.03809

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**84.91**	
3.02	3.05	3.06	174937.9	1569.899597			1
3.35	3.37	3.39	96854.59	717.113055			2
+ 3.54	3.55	3.58	33186.39	246.367269			3
3.54	3.56	3.58	107532	798.290058			3
3.62	3.64	3.66	146713.1	1047.217109			4
3.68	3.70	3.72	518454.9	4903.97663			5
+ 3.68	3.71	3.72	88616.52	838.208575			5
3.79	3.80	3.83	252499.5	2149.15077			6
Height Summation:			**1296991.99**				
Amount Avg CF:			**1864.274537**	Linear:			
Aroclor-1221					**3**	**97.44**	
2.90	2.92	2.94	23959.73	366.42637			1
2.96	2.97	3.00	3717.594	98.365892			2
3.02	3.05	3.06	174937.9	1055.601669			3
Height Summation:			**202615.224**				
Amount Avg CF:			**506.797977**	Linear:			
Aroclor-1232					**6**	**109.49**	
3.02	3.05	3.06	174937.9	1334.671963			1
3.35	3.37	3.39	96854.59	1541.791176			2
+ 3.54	3.55	3.58	33186.39	516.914128			3
3.54	3.56	3.58	107532	1674.927884			3
3.62	3.64	3.66	146713.1	2400.876561			4
E 3.68	3.70	3.72	518454.9	13273.000858			5
+ 3.68	3.71	3.72	88616.52	2268.677846			5
3.79	3.80	3.83	252499.5	5288.4187			6
Height Summation:			**1296991.99**				
Amount Avg CF:			**4252.28119**	Linear:			
Aroclor-1242					**6**	**90.21**	
3.02	3.05	3.06	174937.9	1824.878359			1
3.35	3.37	3.39	96854.59	848.143065			2
+ 3.54	3.55	3.58	33186.39	279.858393			3
3.54	3.56	3.58	107532	906.80947			3
3.62	3.64	3.66	146713.1	1291.578333			4
3.68	3.70	3.72	518454.9	6320.263284			5
+ 3.68	3.71	3.72	88616.52	1080.286323			5
3.79	3.80	3.83	252499.5	2617.368144			6
Height Summation:			**1296991.99**				
Amount Avg CF:			**2301.506776**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229546** ACF DF50 03A17 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.4 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	92.35	
3.82	3.85	3.86	320170.8	2007.280736			1
3.88	3.90	3.92	218800.4	1641.396045			2
3.95	3.97	3.99	588621.3	2590.458229			3
+ 4.08	4.08	4.12	5164.923	20.311751			4
4.08	4.10	4.12	357390.2	1405.484796			4
4.17	4.19	4.21	486163.9	2293.049094			5
4.36	4.36	4.40	1849598	9080.205317			6
+ 4.36	4.38	4.40	353210.6	1734.011806			6
Height Summation:			**3820744.6**				
Amount Avg CF:			**3169.645703**	Linear:			
Aroclor-1254					6	89.16	
4.69	4.71	4.73	855002	3437.710193			1
+ 4.69	4.73	4.73	415829	1671.925436			1
4.76	4.78	4.80	3140200	6368.619634			2
4.88	4.90	4.92	6080304	40497.747967			3
4.97	4.99	5.01	1812021	5632.944371			4
5.17	5.20	5.21	4027514	16012.737584			5
5.29	5.31	5.33	9566003	29797.587769			6
Height Summation:			**25481044**				
Amount Avg CF:			**16957.891253**	Linear:			
Aroclor-1260					6	8.65	
4.88	4.90	4.92	6080304	16455.367834			1
5.29	5.31	5.33	9566003	19700.92678			2
5.36	5.38	5.40	4114640	16742.705612			3
5.52	5.54	5.56	4447468	17491.209547			4
5.76	5.78	5.80	12279630	20300.406328			5
5.96	5.98	6.00	6785190	18247.776249			6
Height Summation:			**43273235**				
Amount Avg CF:			**18156.398725**	Linear:			
Aroclor-1262					6	47.43	
E 5.35	5.38	5.39	4114640	10355.972016			1
E 5.52	5.54	5.56	4447468	13011.35996			2
E 5.75	5.78	5.79	12279630	17224.239897			3
E 5.96	5.98	6.00	6785190	14668.098409			4
+ 6.01	6.02	6.05	109882.4	503.421332			5
+ 6.01	6.03	6.05	73000.11	334.44676			5
6.01	6.03	6.05	404217.8	1851.905887			5
E 6.38	6.41	6.42	2394820	10067.989011			6
Height Summation:			**30425965.8**				
Amount Avg CF:			**11196.594197**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	67.94	
+ 3.54	3.55	3.58	33186.39	503.137485			1
3.54	3.56	3.58	107532	1630.2882			1
3.62	3.64	3.66	146713.1	1833.796061			2
3.68	3.70	3.72	518454.9	4406.02853			3
+ 3.68	3.71	3.72	88616.52	753.097165			3
3.79	3.80	3.83	252499.5	1547.115092			4
3.88	3.88	3.92	235287.7	2384.116897			5
+ 3.88	3.90	3.92	68851.49	697.656532			5
4.02	4.04	4.06	1401991	6820.272763			6
Height Summation:			**2662478.2**				
Amount Avg CF:			**3103.602924**	Linear:			
Aroclor-1254					6	90.80	
4.34	4.35	4.38	796717.4	4604.503962			1
4.40	4.42	4.44	818510.6	2725.24714			2
+ 4.40	4.43	4.44	613011.4	2041.033512			2
4.50	4.51	4.54	3978563	27386.665092			3
4.57	4.58	4.61	854202.4	4590.65233			4
4.64	4.65	4.68	4823038	40760.885983			5
4.88	4.89	4.92	5157552	23269.522962			6
Height Summation:			**16428583.4**				
Amount Avg CF:			**17222.912911**	Linear:			
Aroclor-1260					6	8.30	
4.64	4.65	4.68	4823038	17201.485125			1
4.75	4.76	4.78	3856200	15819.668558			2
4.88	4.89	4.92	5157552	18563.444785			3
5.11	5.12	5.15	2635386	14456.843142			4
5.30	5.32	5.34	7027850	16536.971229			5
5.56	5.58	5.60	4716518	16483.707984			6
Height Summation:			**28216544**				
Amount Avg CF:			**16510.353471**	Linear:			
Aroclor-1262					6	34.05	
4.91	4.93	4.95	1887893	7174.80911			1
5.11	5.12	5.15	2635386	9541.193294			2
E 5.30	5.32	5.34	7027850	13634.96433			3
5.52	5.53	5.56	1124666	5679.259392			4
E 5.56	5.58	5.60	4716518	13195.527262			5
5.94	5.96	5.98	1583359	8052.614046			6
Height Summation:			**18975672**				
Amount Avg CF:			**9546.394572**	Linear:			
Aroclor-1268					6	124.89	
5.52	5.53	5.56	1124666	1821.624441			1
5.56	5.58	5.60	4716518	7504.464159			2
5.72	5.73	5.76	86097.82	160.046677			3
+ 5.79	5.80	5.82	27862.6	198.100265			4
5.79	5.82	5.82	29556.35	210.142656			4
5.94	5.96	5.98	1583359	7360.181869			5
6.14	6.16	6.18	325272.8	182.768996			6
Height Summation:			**7865469.97**				
Amount Avg CF:			**2873.2048**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229546** ACF DF50 03A17 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.4 g Total Volume: 500 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**135.84**	
5.96	5.98	5.99	6785190	7875.927861			1
+ 6.01	6.02	6.05	109882.4	148.882926			2
+ 6.01	6.03	6.05	73000.11	98.910017			2
6.01	6.03	6.05	404217.8	547.686699			2
+ 6.15	6.15	6.19	39190.05	57.62925			3
6.15	6.17	6.19	48198.79	70.876667			3
6.21	6.23	6.25	134205.1	737.716156			4
6.38	6.41	6.42	2394820	8925.159352			5
6.58	6.61	6.62	423224.8	203.448764			6

Height Summation: **10189856.49**
Amount Avg CF: **3060.135917** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 09:14:11
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2451.9232	475.9616		** 71.03	4	40	
Aroclor-1221			2451.9232	735.5769		** 61.21	3	40	
Aroclor-1232			2451.9232	591.3462		** 75.33	4	40	
Aroclor-1242			2451.9232	591.3462		** 71.34	4	40	
Aroclor-1248			2451.9232	475.9616		2.11	4	40	
Aroclor-1254			2451.9232	634.6154		1.55	4	40	
Aroclor-1260			2451.9232	562.5		9.50	4	40	
Aroclor-1262			2451.9232	475.9616	E	15.91	4	40	
Aroclor-1268			2451.9232	475.9616		6.30	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:14:11 AM 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: 07PCBS17292003.0073.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.509		7592	3697
1.557		13028	12385
1.599		64742	146311
1.659		368505	396023
1.705		56069	86940
1.733		45800	50370
1.766		113301	124994
1.809		57704	66088
1.834		55826	75977
1.861		28749	19975
1.879		21292	13817
1.892		30105	18143
1.911		30751	18964
1.935		37562	44970
1.953		32248	33705
1.976		31462	24042
2.003		41377	32783
2.02		45349	38838
2.042		23486	18194
2.07		35356	23780
2.087		53258	87739
2.133		126144	176902
2.193		91129	194927
2.216		72206	65429
2.233		80783	118044
2.26		66431	78951
2.293		356884	294852
2.322		66914	51352
2.338		24501	11295
2.361		58650	103120
2.402		80696	106507
2.435		36637	23942
2.483		74487	147445
2.516		31450	34928
2.538		48006	60815
2.582		39869	65180
2.607		35359	32825
2.631		13028	5696
2.648		16002	8731
2.663		30938	27879
2.701		22432	15528
2.728		36799	33891
2.748		289889	187648
2.798		31680	49606
2.836		45481	39678
2.862		30207	22172
2.886		18334	8872
2.901		31307	17984
2.93		16796	15323
2.98		37543	37051
3.005		16857	6726
3.029	TCX	328838	226242
3.08		23063	17362

RT A	Compound A	Height A	Area A
3.103		9781	6104
3.146		12799	10478
3.182		38979	27151
3.196		10425	4859
3.219		14630	13452
3.241		21961	10984
3.259		7630	3600
3.285		67443	63431
3.31		10554	3912
3.352		269276	212551
3.379		32096	24434
3.406		7951	4932
3.43		12883	8380
3.458		19358	18292
3.482		10869	6215
3.503		108174	71032
3.521		69819	46838
3.573		86448	55477
3.593		7828	5175
3.619		129304	87822
3.647		12482	8343
3.671		22279	16409
3.695		179489	116770
3.729		12364	11576
3.748		16384	13187
3.792		23630	13486
3.806		12478	7022
3.813		36217	18711
3.845		320171	281034
3.902		218800	188836
3.947		50730	36402
3.974		588621	419386
4.011		685774	795191
4.042		8376	2941
4.05		21994	12278
4.082		5165	2361
4.103		357390	255115
4.128		91513	59909
4.159		160338	112846
4.185		486164	530105
4.237		94447	77879
4.268		30060	18236
4.282		34212	17597
4.322		157456	105679
4.359		1849598	1399806
4.379		353211	193464
4.405		494420	403913
4.474		498421	460944
4.517		2970172	2801741
4.552		731027	580342
4.594		43826	28727
4.617		132599	103391
4.658		1498376	1449728
4.714		855002	574347
4.73		415829	355370
4.776		3140200	2624657
4.825		2377527	2581216
4.863		885045	633312
4.903		6080305	5519321
4.949		297619	290075
4.993		1812021	1809538
5.027		138817	98691
5.052		1144883	999166
5.105		6318928	4910974
5.121		538252	309478
5.157		1303620	1134981

RT A	Compound A	Height A	Area A
5.197		4027514	4165870
5.24		217990	139587
5.276		742277	868455
5.311		9566003	8601592
5.334		401409	191092
5.352		267047	125245
5.376		4114640	3462472
5.419		2679686	2507198
5.517		815984	672370
5.54		4447468	3568257
5.597		2395327	2084088
5.636		1394734	1297444
5.678		234502	241279
5.719		1638002	1440583
5.748		91350	56159
5.776		12279630	11551960
5.922		3474	3005
5.982		6785191	6362777
6.016		109882	155414
6.027		73000	26988
6.034		404218	343728
6.149		39190	29671
6.17		48199	37188
6.226		134205	107228
6.253		1029503	927081
6.316		14399	15543
6.353		1587	684
6.376		9079	5677
6.407		2394820	2279544
6.452		122702	111605
6.479		8309	5162
6.608		423225	404683
6.682		2547	3146
6.719		3867	2731
6.755	DCB	174780	175501
6.79		5387	4550
6.826		6225	5357
6.929		3508	3528
6.968		2329	1388
7.022		2030	1524
7.055		4095	4795
7.096		1659	952
7.138		1863	2041
7.196		2590	1592
7.23		1694	362
7.351		1439	3205
7.387		1052	277
7.409		3423	2993
7.474		3557	4334
7.513		1426	499
7.557		4349	6337
7.625		1766	6703
7.64		1582	462
7.672		1173	326
7.777		2371	1821
7.83		1774	796
7.926		3923	4268
7.983		1697	2574
8.013		1561	660
8.168		1831	1142
8.225		1417	389
8.283		2280	2831
8.312		1598	1280
8.358		1142	483
8.376		1500	605
8.41		1064	539

RT A	Compound A	Height A	Area A
8.451		1194	619
8.486		1678	515
8.579		2319	2388
8.607		1542	514
8.647		1844	3076

LANCASTER LABORATORIES

Sample Number: 9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:14:11 AM 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, 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: 07PCBS17292003B.0073.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		50114	72229
1.638		9774	10211
1.689		9863	10416
1.717		9544	9773
1.759		11492	16643
1.788		9952	7544
1.824		13026	18044
1.849		11217	10151
1.884		9178	7747
1.91		31823	39711
1.95		4754	3382
1.996		8863	8964
2.019		11511	9114
2.041		20189	16293
2.077		170958	143208
2.127		9859	8369
2.169		10500	8204
2.191		10654	9181
2.223		16998	25999
2.287		15549	18596
2.313		8762	5176
2.335		5327	3509
2.353		6675	3547
2.371		3694	2030
2.391		2698	1296
2.436		17832	33712
2.492		186905	142823
2.54		3757	2090
2.57		6732	6522
2.59		6566	4015
2.619		8791	10554
2.669		12898	13210
2.706		7315	7989
2.747	TCX	182765	128982
2.791		8822	8068
2.837		8096	8047
2.875		4278	5189
2.919		23960	18087
2.946		7621	5048
2.968		3718	2235
3.047		174938	168681
3.109		5092	3158
3.147		15382	15365
3.173		5514	4165
3.244		85197	118906
3.317		60192	45740
3.368		96855	76871
3.404		113460	73484
3.45		13916	8110
3.516		14634	6784
3.527		37027	17598
3.547		33186	15239
3.563		107532	125793
3.637		146713	109208

3.67		362796	241568
3.695		518455	322914
3.713		88617	41188
3.73		39633	23995
3.803		252500	193617
3.828		66830	38185
3.85		113538	83814
3.882		235288	147857
3.898		68851	34386
3.94		76074	73908
3.989		163996	174514
4.017		42184	36892
4.037		1401991	1034262
4.064		140498	85237
4.085		126447	73116
4.103		248412	168782
4.141		1703908	1316815
4.175		433655	318176
4.194		219969	132042
4.257		76014	54926
4.291		561521	748832
4.328		13999	6922
4.353		796717	646875
4.399		244290	209593
4.417		818511	483915
4.43		613011	319239
4.457		612948	640874
4.512		3978563	3497507
4.553		196172	187017
4.584		854202	631320
4.61		855404	660823
4.654		4823038	4224107
4.762		3856201	3847081
4.815		860679	840607
4.857		999139	933859
4.894		5157553	4677866
4.929		1887893	1506616
4.968		1496074	1257334
5.039		20015	20822
5.073		481448	585901
5.125		2635386	2247546
5.149		489145	323219
5.199		1536609	1434575
5.235		704022	598035
5.263		474094	412402
5.296		190963	117684
5.317		7027850	6223914
5.359		119142	91329
5.393		202866	180381
5.511		43262	28388
5.534		1124666	996609
5.577		4716519	5186417
5.734		86098	78866
5.777		135381	112649
5.803		27863	17544
5.824		29556	17706
5.852		668512	619093
5.891		4416	3635
5.929		4168	1937
5.956		1583359	1427187
5.989		80788	60411
6.158		325273	314926
6.318	DCB	139364	126348
6.352		6082	6810
6.492		3833	3244
6.526		7096	8673
6.658		1966	1194

6.691	2950	3969
6.744	2738	6546
6.794	4753	7120
6.828	2304	2074
6.902	2340	8695
7.066	3645	17255
7.117	2339	3069
7.159	1260	2259
7.194	1836	2318
7.263	1439	1271
7.32	1872	2568
7.384	1577	1515
7.591	1679	2117
7.763	2394	2757
7.971	2514	11174
8.078	1220	3932
8.423	4591	14667
8.508	2392	3641
8.57	1762	1168
8.633	3651	8462

9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082

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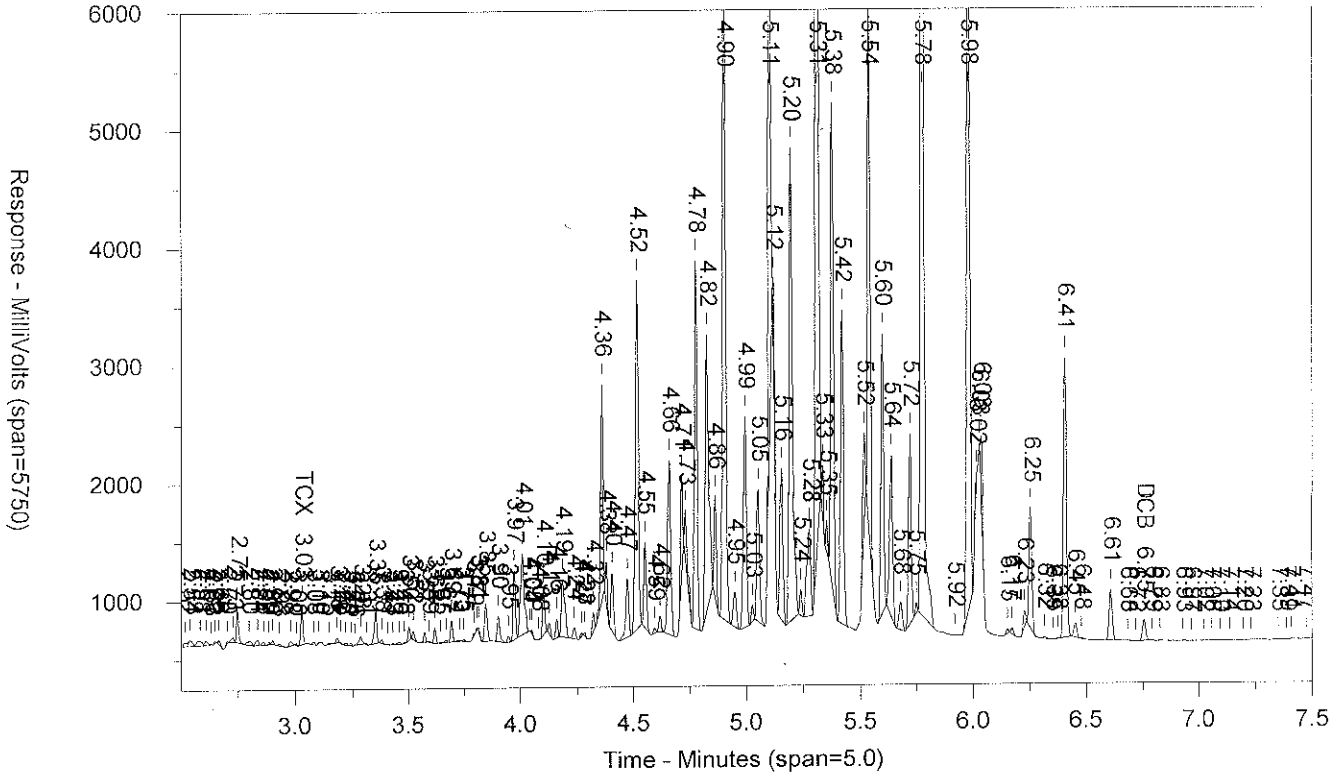

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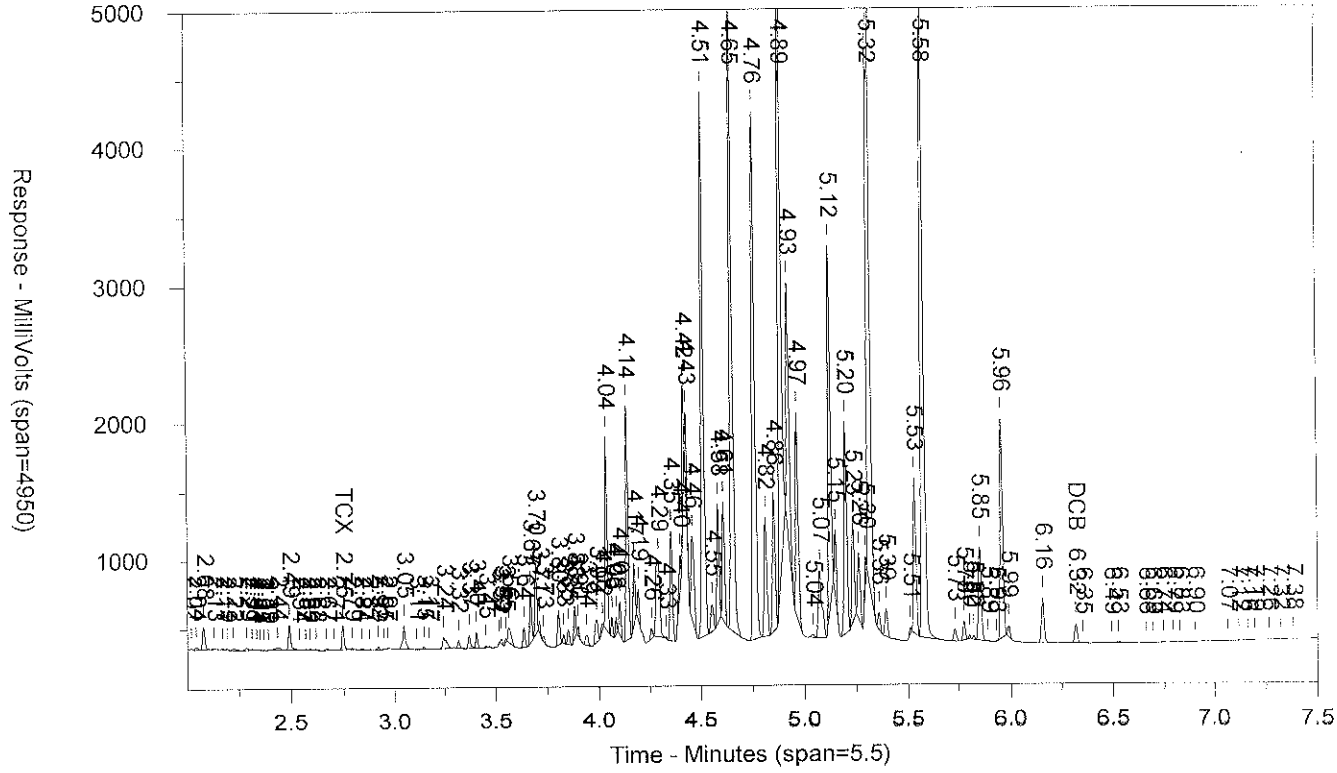

LANCASTER LABORATORIES

Sample Number: 9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:14:11 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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

Sample Weight: 10.4
Dilution Factor: 500

Threshold: 8
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
3.029	328838	24.899	TCX	2.747	182765	28.947	TCX
6.755	174780	32.923	DCB	6.318	139364	29.038	DCB

Files:
Area File: 07PCBS17292003.0073.RAW
Area File: 07PCBS17292003B.0073.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:22:52 AM
File Reported On: 10/24/2017 at 9:23:14 AM

9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082

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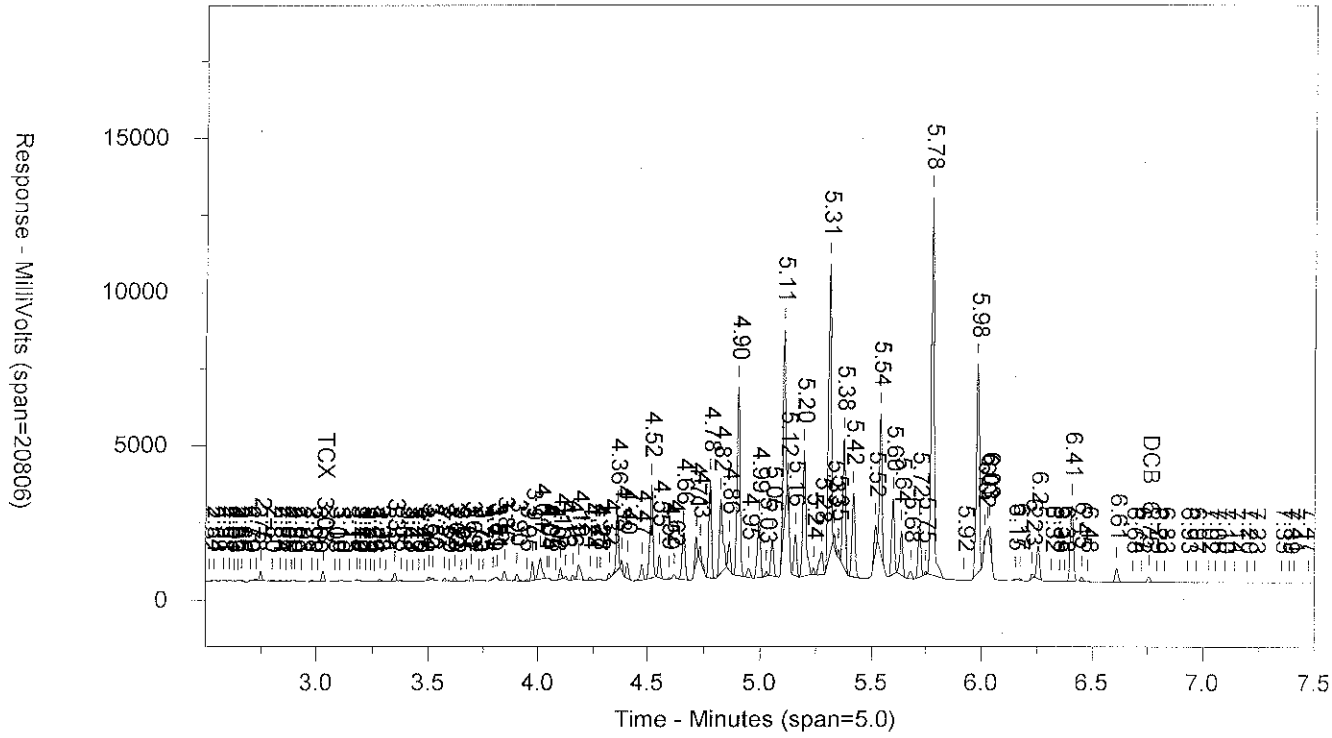

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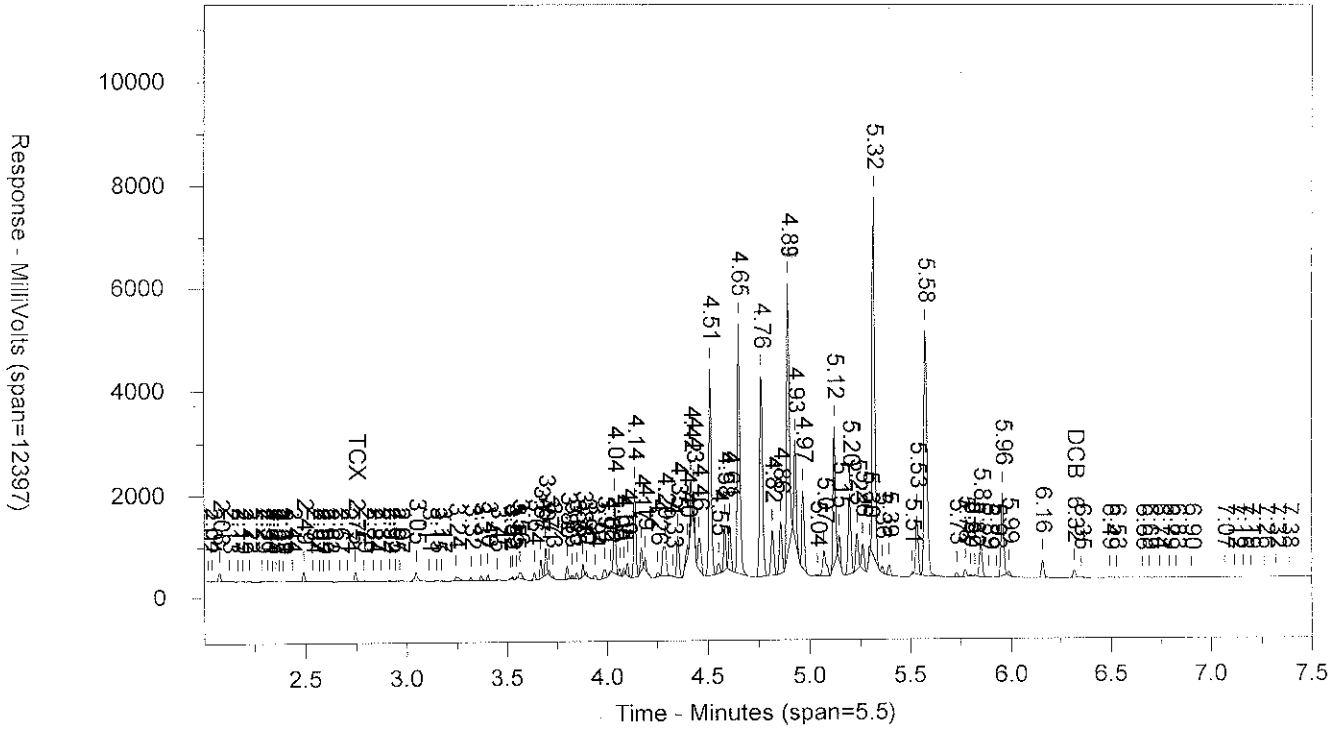

9229546 ACF DF50 AC03A17 T 172860014A 10225 SW-846 8082

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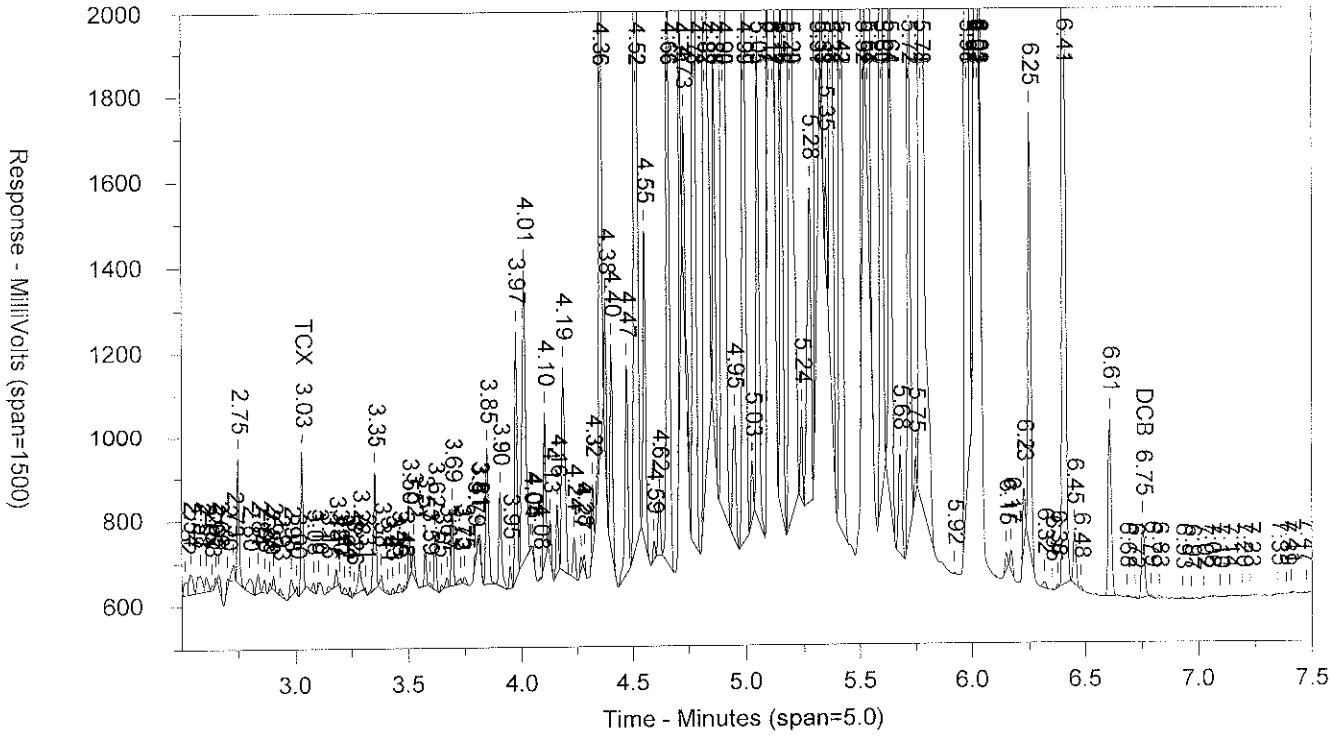

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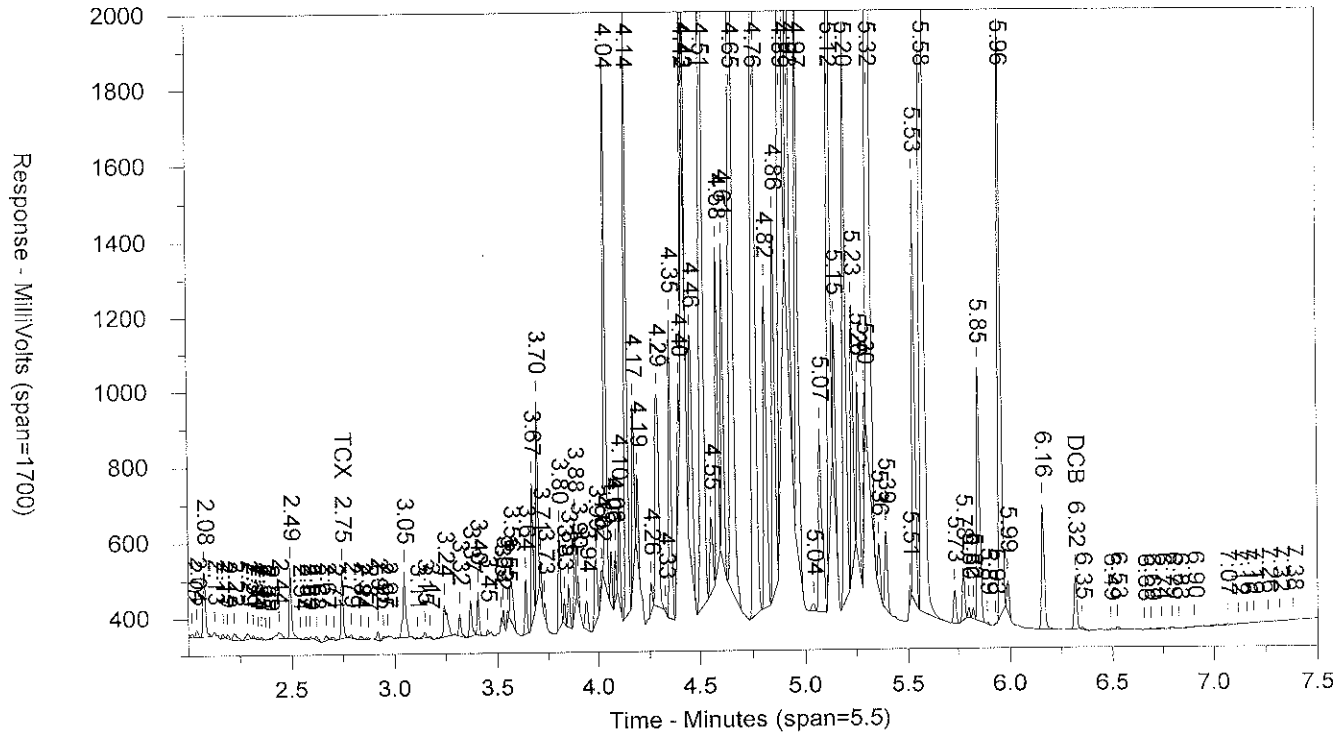

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229547 ACF DF10 03A18 Sample ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 2855 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 09:25:37
Instrument	19843A
Result file	07PCBS17292003.0074.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 70% (61 - 152) Conc: 20.82671
%SSR(DCB) 96% (48 - 164) Conc: 25.43251

Analysis Report (B)

Injected on	Oct 24, 2017 09:25:37
Instrument	19843B
Result file	07PCBS17292003B.0074.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 80% (61 - 152) Conc: 23.77843
%SSR(DCB) 80% (48 - 164) Conc: 21.07787

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1356787	20.82671
Decachlorobiphenyl	6.72	6.76	6.78	665980	25.43251

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	740557	23.77843
Decachlorobiphenyl	6.29	6.32	6.35	498991	21.07787

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	23.77843				13.23	
☑	Tetrachloro-m-xylene-D1	A	20.82671					
☑	Tetrachloro-m-xylene-D2	B	23.77843					
☐	Decachlorobiphenyl	A	25.43251				18.73	
☑	Decachlorobiphenyl-D1	A	25.43251					
☑	Decachlorobiphenyl-D2	B	21.07787					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.13**	
4.88	4.90	4.92	4864927	2669.159972			1
5.29	5.31	5.33	7868746	3285.319754			2
5.36	5.38	5.40	3377520	2786.170573			3
5.52	5.54	5.56	3631382	2895.309008			4
5.76	5.78	5.80	9577897	3210.004093			5
5.96	5.98	6.00	5623394	3065.931314			6

Height summation: **34943866**
Concentration CF: **2985.315786** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.20**	
4.64	4.65	4.68	4020710	2907.126867			1
4.75	4.76	4.78	3108906	2585.600334			2
4.88	4.90	4.92	4355936	3178.428305			3
5.11	5.13	5.15	2218218	2466.888007			4
5.30	5.32	5.34	5806063	2769.690271			5
5.56	5.58	5.60	3757372	2662.156513			6

Height summation: **23267205**
Concentration CF: **2761.648383** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<497.076	<96.4912	D1		4	
☑	PCB-1221			<497.076	<149.1228	D1		3	
☑	PCB-1232			<497.076	<119.883	D1		4	
☑	PCB-1242			<497.076	<119.883	D1		4	
☑	PCB-1248			<497.076	<96.4912	D1		4	
☑	PCB-1254			<497.076	<128.655	D1		4	
☑	PCB-1260	A	2985.315786	497.076	114.0351	D1	7.78	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:54

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229547** ACF DF10 03A18 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

1260
055
B

Analysis Report (A)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 70% (61-152) Conc.: 20.82671
%SSR(DCB) : 96% (48-164) Conc.: 25.43251

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	94.12	
3.27	3.28	3.31	34077.94	33.164735			1
3.48	3.50	3.52	69158.39	64.765459			2
+ 3.48	3.52	3.52	54159.58	50.719372			2
3.60	3.62	3.64	74366.7	60.395539			3
3.82	3.85	3.86	195802.1	136.534364			4
3.88	3.90	3.92	131068.6	109.296287			5
+ 4.08	4.08	4.12	4012.619	4.506171			6
4.08	4.10	4.12	320671.3	360.11389			6
Height Summation:			**825145.03**				
Amount Avg CF:			**127.378379**	Linear:			
Aroclor-1221					3	41.64	
3.16	3.18	3.20	25161.03	47.824392			1
+ 3.16	3.20	3.20	11930.25	22.676216			1
+ 3.22	3.22	3.26	11702.22	25.799876			2
3.22	3.24	3.26	13647.75	30.089184			2
3.27	3.28	3.31	34077.94	20.851906			3
Height Summation:			**72886.72**				
Amount Avg CF:			**32.921828**	Linear:			
Aroclor-1232					6	107.95	
3.26	3.28	3.30	34077.94	27.224601			1
+ 3.48	3.48	3.52	16785.16	33.87277			2
3.48	3.50	3.52	69158.39	139.562939			2
+ 3.60	3.60	3.64	9749.993	16.898523			3
3.60	3.62	3.64	74366.7	128.891105			3
3.82	3.85	3.86	195802.1	277.389516			4
3.88	3.90	3.92	131068.6	246.442558			5
+ 4.08	4.08	4.12	4012.619	11.011213			6
4.08	4.10	4.12	320671.3	879.968903			6
Height Summation:			**825145.03**				
Amount Avg CF:			**283.246604**	Linear:			
Aroclor-1242					6	97.01	
3.27	3.28	3.31	34077.94	38.710794			1
3.48	3.50	3.52	69158.39	78.051561			2
+ 3.48	3.52	3.52	54159.58	61.124034			2
3.60	3.62	3.64	74366.7	72.499423			3
3.82	3.85	3.86	195802.1	158.416306			4
3.88	3.90	3.92	131068.6	141.476475			5
+ 4.08	4.08	4.12	4012.619	5.697422			6
4.08	4.10	4.12	320671.3	455.313568			6
Height Summation:			**825145.03**				
Amount Avg CF:			**157.411355**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 80% (61-152) Conc.: 23.77843
%SSR(DCB) : 80% (48-164) Conc.: 21.07787

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	94.98	
3.02	3.05	3.06	131775.4	239.738778			1
3.35	3.37	3.39	59130.44	88.755343			2
+ 3.54	3.55	3.58	29997.93	45.147142			3
3.54	3.56	3.58	65562.73	98.67247			3
3.62	3.64	3.66	82248.53	119.01781			4
3.68	3.69	3.72	417364.9	800.330384			5
+ 3.68	3.71	3.72	140808.5	270.011496			5
3.79	3.80	3.83	229786.2	396.502818			6
Height Summation:			**985868.2**				
Amount Avg CF:			**290.502934**	Linear:			
Aroclor-1221					3	62.23	
2.90	2.92	2.94	15845.34	49.127237			1
2.96	2.97	3.00	13734.45	73.673249			2
3.02	3.05	3.06	131775.4	161.200534			3
Height Summation:			**161355.19**				
Amount Avg CF:			**94.667007**	Linear:			
Aroclor-1232					6	118.59	
3.02	3.05	3.06	131775.4	203.817254			1
3.35	3.37	3.39	59130.44	190.823753			2
+ 3.54	3.55	3.58	29997.93	94.725226			3
3.54	3.56	3.58	65562.73	207.029099			3
3.62	3.64	3.66	82248.53	272.863256			4
E 3.68	3.69	3.72	417364.9	2166.157525			5
+ 3.68	3.71	3.72	140808.5	730.807482			5
3.79	3.80	3.83	229786.2	975.675113			6
Height Summation:			**985868.2**				
Amount Avg CF:			**669.394333**	Linear:			
Aroclor-1242					6	99.88	
3.02	3.05	3.06	131775.4	278.676488			1
3.35	3.37	3.39	59130.44	104.972609			2
+ 3.54	3.55	3.58	29997.93	51.284436			3
3.54	3.56	3.58	65562.73	112.085989			3
3.62	3.64	3.66	82248.53	146.789833			4
3.68	3.69	3.72	417364.9	1031.46877			5
+ 3.68	3.71	3.72	140808.5	347.991818			5
3.79	3.80	3.83	229786.2	482.885547			6
Height Summation:			**985868.2**				
Amount Avg CF:			**359.479873**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229547** ACF DF10 03A18 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**101.96**	
3.82	3.85	3.86	195802.1	248.862646			1
3.88	3.90	3.92	131068.6	199.333323			2
3.95	3.97	3.99	546681.4	487.742828			3
+ 4.08	4.08	4.12	4012.619	3.199097			4
4.08	4.10	4.12	320671.3	255.658113			4
4.17	4.19	4.21	285100.4	272.611672			5
4.36	4.36	4.40	1510541	1503.373232			6
+ 4.36	4.38	4.40	347169.9	345.522521			6
Height Summation:			**2989864.8**				
Amount Avg CF:			**494.596969**	Linear:			
Aroclor-1254					**6**	**84.49**	
4.69	4.71	4.73	666858.7	543.565553			1
+ 4.69	4.73	4.73	286826.8	233.796407			1
4.76	4.78	4.80	2937304	1207.682778			2
4.88	4.90	4.92	4864927	6568.979127			3
4.97	4.99	5.01	1834621	1156.204274			4
5.17	5.20	5.21	3378606	2723.215755			5
5.29	5.31	5.33	7868746	4969.035458			6
Height Summation:			**21551062.7**				
Amount Avg CF:			**2861.447157**	Linear:			
Aroclor-1260					**6**	**8.13**	
4.88	4.90	4.92	4864927	2669.159972			1
5.29	5.31	5.33	7868746	3285.319754			2
5.36	5.38	5.40	3377520	2786.170573			3
5.52	5.54	5.56	3631382	2895.309008			4
5.76	5.78	5.80	9577897	3210.004093			5
5.96	5.98	6.00	5623394	3065.931314			6
Height Summation:			**34943866**				
Amount Avg CF:			**2985.315785**	Linear:			
Aroclor-1262					**6**	**28.44**	
5.35	5.38	5.39	3377520	1723.347776			1
E 5.52	5.54	5.56	3631382	2153.762299			2
E 5.75	5.78	5.79	9577897	2723.584921			3
E 5.96	5.98	6.00	5623394	2464.485623			4
6.01	6.03	6.05	1282814	1191.470087			5
6.38	6.41	6.42	1963712	1673.64608			6
Height Summation:			**25456719**				
Amount Avg CF:			**1988.382798**	Linear:			
Aroclor-1268					**6**	**120.70**	
5.96	5.98	5.99	5623394	1323.28748			1
6.01	6.03	6.05	1282814	352.367971			2
+ 6.15	6.15	6.19	26493.21	7.898011			3
6.15	6.17	6.19	54715.51	16.311488			3
6.21	6.23	6.25	108362.6	120.757932			4
6.38	6.41	6.42	1963712	1483.668481			5
6.58	6.61	6.62	347432.3	33.858687			6
Height Summation:			**9380430.41**				
Amount Avg CF:			**555.042006**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**86.29**	
+ 3.54	3.55	3.58	29997.93	92.200637			1
3.54	3.56	3.58	65562.73	201.511421			1
3.62	3.64	3.66	82248.53	208.413699			2
3.68	3.69	3.72	417364.9	719.065112			3
+ 3.68	3.71	3.72	140808.5	242.594621			3
3.79	3.80	3.83	229786.2	285.431577			4
3.88	3.88	3.92	117323.8	241.007422			5
+ 3.88	3.90	3.92	84375.29	173.324348			5
4.02	4.04	4.06	1241628	1224.514663			6
Height Summation:			**2153914.16**				
Amount Avg CF:			**479.990649**	Linear:			
Aroclor-1254					**6**	**83.82**	
4.34	4.35	4.38	610688.8	715.507974			1
+ 4.40	4.40	4.44	173639.9	117.205255			2
4.40	4.42	4.44	1436097	969.351605			2
4.50	4.51	4.54	3272430	4566.666021			3
4.57	4.58	4.61	897261.7	977.571924			4
4.64	4.65	4.68	4020710	6888.76954			5
4.88	4.90	4.92	4355936	3984.201817			6
Height Summation:			**14593123.5**				
Amount Avg CF:			**3017.01148**	Linear:			
Aroclor-1260					**6**	**9.20**	
4.64	4.65	4.68	4020710	2907.126867			1
4.75	4.76	4.78	3108906	2585.600334			2
4.88	4.90	4.92	4355936	3178.428305			3
5.11	5.13	5.15	2218218	2466.888007			4
5.30	5.32	5.34	5806063	2769.690271			5
5.56	5.58	5.60	3757372	2662.156513			6
Height Summation:			**23267205**				
Amount Avg CF:			**2761.648383**	Linear:			
Aroclor-1262					**6**	**31.86**	
4.91	4.93	4.95	1626996	1253.532026			1
5.11	5.13	5.15	2218218	1628.090938			2
E 5.30	5.32	5.34	5806063	2283.64841			3
5.52	5.53	5.56	955327.1	977.994046			4
E 5.56	5.58	5.60	3757372	2131.107811			5
5.94	5.96	5.98	1326274	1367.435087			6
Height Summation:			**15690250.1**				
Amount Avg CF:			**1606.968053**	Linear:			
Aroclor-1268					**6**	**123.42**	
5.52	5.53	5.56	955327.1	313.691933			1
5.56	5.58	5.60	3757372	1211.988113			2
5.72	5.73	5.76	73756.89	27.79541			3
5.79	5.80	5.82	29899.14	43.096112			4
5.94	5.96	5.98	1326274	1249.8514			5
6.14	6.16	6.18	277800	31.644847			6
Height Summation:			**6420429.13**				
Amount Avg CF:			**479.677969**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229547** ACF DF10 03A18 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 09:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			497.076	96.4912		** 78.07	4	40	
Aroclor-1221			497.076	149.1228		** 96.79	3	40	
Aroclor-1232			497.076	119.883		** 81.07	4	40	
Aroclor-1242			497.076	119.883		** 78.19	4	40	
Aroclor-1248			497.076	96.4912		3.00	4	40	
Aroclor-1254			497.076	128.655		5.29	4	40	
Aroclor-1260			497.076	114.0351		7.78	4	40	
Aroclor-1262			497.076	96.4912	E	21.22	4	40	
Aroclor-1268			497.076	96.4912		14.57	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229547 ACF DF10 AC03A18 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:25:37 AM 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: 07PCBS17292003.0074.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.518		17997	15229
1.554		9924	8447
1.601		54832	97252
1.631		9983	6810
1.659		216831	230512
1.706		56398	95866
1.734		47449	51057
1.765		49508	57750
1.786		13784	9110
1.808		59124	72262
1.834		59894	79861
1.862		35445	27405
1.879		26430	17571
1.893		35727	25450
1.912		39948	28189
1.936		39828	46225
1.958		32964	33663
1.976		35812	27157
2.002		45565	38931
2.021		47335	38363
2.046		36955	30377
2.07		28337	20178
2.087		45854	42658
2.104		53385	52731
2.133		104876	150353
2.155		38466	25894
2.193		84589	153717
2.224		107270	210577
2.261		66188	77760
2.292		149781	135562
2.311		62204	40211
2.322		67325	54778
2.36		57752	121553
2.403		82977	108931
2.435		38828	25379
2.483		78947	157864
2.514		30404	22404
2.54		49515	74491
2.579		40568	69199
2.606		38312	38943
2.631		13331	6108
2.647		18662	10863
2.663		24436	21493
2.701		26488	18837
2.725		33491	32912
2.748		169927	108467
2.798		31723	46755
2.835		48874	41056
2.862		35370	29625
2.886		18829	8600
2.902		29554	20110
2.93		15016	12332
2.979		40144	39576

RT A	Compound A	Height A	Area A
3.004		12659	5452
3.029	TCX	1356787	904844
3.081		21087	14138
3.102		30328	41267
3.145		13852	13431
3.182		25161	16761
3.197		11930	5306
3.22		11702	12422
3.242		13648	5958
3.259		7609	3082
3.285		34078	45084
3.311		10498	4213
3.353		192093	158136
3.378		23435	20198
3.406		7366	4052
3.432		10815	6725
3.459		23444	19842
3.482		16785	10106
3.504		69158	41554
3.521		54160	34321
3.574		47564	30300
3.596		9750	6897
3.62		74367	51612
3.648		10518	6327
3.671		16218	10625
3.695		105432	67303
3.716		10036	9896
3.748		18459	15930
3.794		18294	9965
3.806		84903	87315
3.846		195802	174492
3.904		131069	123276
3.947		50536	36337
3.974		546681	383834
4.003		354712	362681
4.025		98839	46669
4.052		23180	13103
4.084		4013	1996
4.103		320671	225853
4.128		144893	97861
4.161		172069	123792
4.187		285100	348106
4.237		65158	52443
4.269		16979	10076
4.283		27336	15372
4.303		4715	2312
4.323		104438	69911
4.36		1510541	1080697
4.38		347170	188706
4.405		623408	516936
4.474		462938	438679
4.518		2532876	2441117
4.554		842559	681562
4.595		68963	49521
4.618		118758	89651
4.66		1019957	1001454
4.715		666859	470192
4.731		286827	239071
4.777		2937304	2494078
4.825		1906477	2093204
4.864		651339	473448
4.904		4864927	4473039
4.951		266353	252566
4.994		1834621	1780766
5.027		90847	62762
5.053		1000783	866956

RT A	Compound A	Height A	Area A
5.105		5122661	4192013
5.122		347303	212876
5.157		1050156	922838
5.198		3378607	3372361
5.24		167119	107897
5.277		574956	713598
5.312		7868747	6965713
5.335		350184	156687
5.353		191395	90272
5.377		3377520	2852686
5.42		2178081	1996953
5.456		9223	8152
5.518		676633	542461
5.54		3631382	2895721
5.597		1920534	1691006
5.636		1093684	1018378
5.677		185985	192580
5.719		1313924	1205610
5.748		68416	40918
5.776		9577897	9261834
5.982		5623395	5111623
6.034		1282814	2458525
6.148		26493	17796
6.17		54716	42226
6.2		1627	635
6.228		108363	89741
6.253		855733	727522
6.316		8787	8057
6.377		6087	4159
6.407		1963712	1862110
6.452		105574	91966
6.481		7835	5547
6.538		2590	2595
6.578		1537	392
6.608		347432	332458
6.718		2633	1395
6.756	DCB	665980	679680
6.827		4645	3422
6.854		1461	660
6.928		2892	3053
6.971		2861	2004
6.993		2876	2836
7.024		1516	1345
7.044		1567	458
7.129		1416	710
7.2		2605	1263
7.229		1607	770
7.248		1897	1312
7.277		1812	357
7.294		3515	3598
7.342		1988	1647
7.41		2037	2778
7.48		3050	3236
7.506		1430	478
7.563		3767	3429
7.613		2658	3307
7.681		1167	636
7.756		1170	379
7.77		2118	1251
7.831		3143	2939
7.918		1902	2264
7.982		2805	3046
8.022		1543	1377
8.07		1501	1213
8.083		1995	1229
8.177		2269	2543

RT A	Compound A	Height A	Area A
8.211		1614	943
8.232		1428	420
8.279		1512	512
8.308		1134	659
8.378		859	1007
8.402		1231	534
8.471		1774	740
8.499		1277	494
8.523		1558	605
8.583		1962	722
8.641		1673	1057

LANCASTER LABORATORIES

Sample Number: 9229547 ACF DF10 AC03A18 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:25:37 AM 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, 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: 07PCBS17292003B.0074.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.502		2925	773
1.553		3015	1603
1.586		12159	13875
1.599		15011	17192
1.637		9687	9829
1.689		9589	10030
1.716		11665	13676
1.76		14047	25163
1.788		12413	11518
1.826		13859	19382
1.849		13629	13692
1.885		12342	12097
1.909		28165	42907
1.952		13291	32855
1.992		30479	28912
2.019		12258	9260
2.042		20825	17172
2.077		59880	45394
2.127		8768	7559
2.168		11089	8726
2.191		9658	8162
2.224		16515	25253
2.287		14921	17818
2.313		7393	4394
2.333		4203	2906
2.354		6859	3477
2.371		3707	2159
2.39		2676	1332
2.435		15414	30154
2.492		115089	81916
2.539		4032	2584
2.571		5412	5337
2.59		6732	4314
2.619		9418	10856
2.668		11714	12143
2.704		6526	6803
2.747	TCX	740557	543451
2.809		3503	1449
2.835		8372	8500
2.872		4174	4422
2.919		15845	12298
2.947		6830	4776
2.968		13734	11022
3.004		2497	935
3.047		131775	118763
3.084		5266	3729
3.108		5985	3626
3.146		9725	10973
3.172		3721	3509
3.212		2506	1994
3.244		27400	14582
3.255		13122	5351
3.318		30097	23887
3.368		59130	48872

3.404	68913	43203
3.45	10320	5453
3.466	5365	2557
3.527	74854	67667
3.547	29998	13888
3.562	65563	67687
3.638	82249	59625
3.67	329581	222949
3.695	417365	260731
3.713	140809	73368
3.803	229786	166261
3.828	89897	52491
3.85	116676	84256
3.882	117324	69600
3.899	84375	46762
3.941	49541	49054
3.99	101256	104517
4.015	68701	44143
4.038	1241628	906421
4.064	248937	159838
4.086	113239	61216
4.104	232814	158974
4.141	1446363	1179264
4.175	532419	374423
4.195	185614	103866
4.215	31290	16860
4.258	75719	58536
4.293	447479	515611
4.324	51989	39615
4.354	610689	507437
4.399	173640	158613
4.418	1436097	1825002
4.459	522860	524565
4.512	3272430	2839025
4.553	178299	168431
4.585	897262	688572
4.611	731372	563875
4.655	4020710	3606272
4.711	58865	44769
4.763	3108906	3144066
4.816	731187	715757
4.858	829822	803242
4.896	4355936	3846725
4.929	1626996	1287870
4.969	1224732	1038910
5.04	22075	23109
5.074	392185	501099
5.125	2218218	1862649
5.149	400957	273546
5.201	1265525	1197563
5.236	606910	485660
5.263	399992	351324
5.297	161728	97614
5.318	5806063	5093262
5.36	103254	75935
5.394	177582	156648
5.511	39093	23784
5.535	955327	852460
5.579	3757372	4194168
5.734	73757	68492
5.777	108793	89725
5.804	29899	20756
5.825	16620	9550
5.853	569372	510157
5.957	1326274	1183271
5.989	69419	50543
6.158	277800	267729

6.318	DCB	498991	483987
6.495		1593	1423
6.525		13170	13698
6.662		1531	1129
6.692		2127	2426
6.795		4351	5985
6.945		2045	11710
7.061		2119	3349
7.119		1467	1906
7.26		2384	7161
7.386		1064	1155
7.552		1173	3709
7.588		2282	2295
7.772		1894	8277
7.89		2213	4063
8.121		1904	4156
8.512		2147	3876
8.631		2327	3224

9229547 ACF DF10 AC03A18 T 172860014A 10225 SW-846 8082

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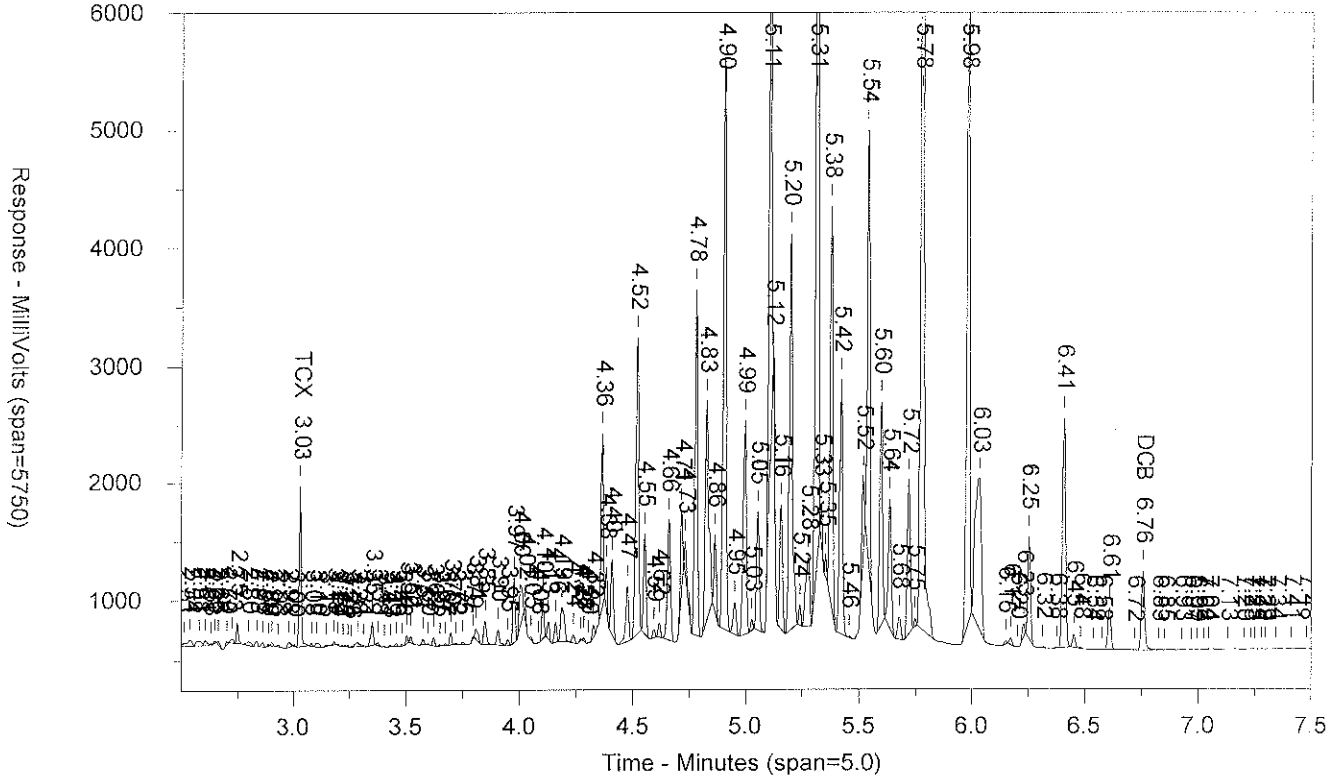

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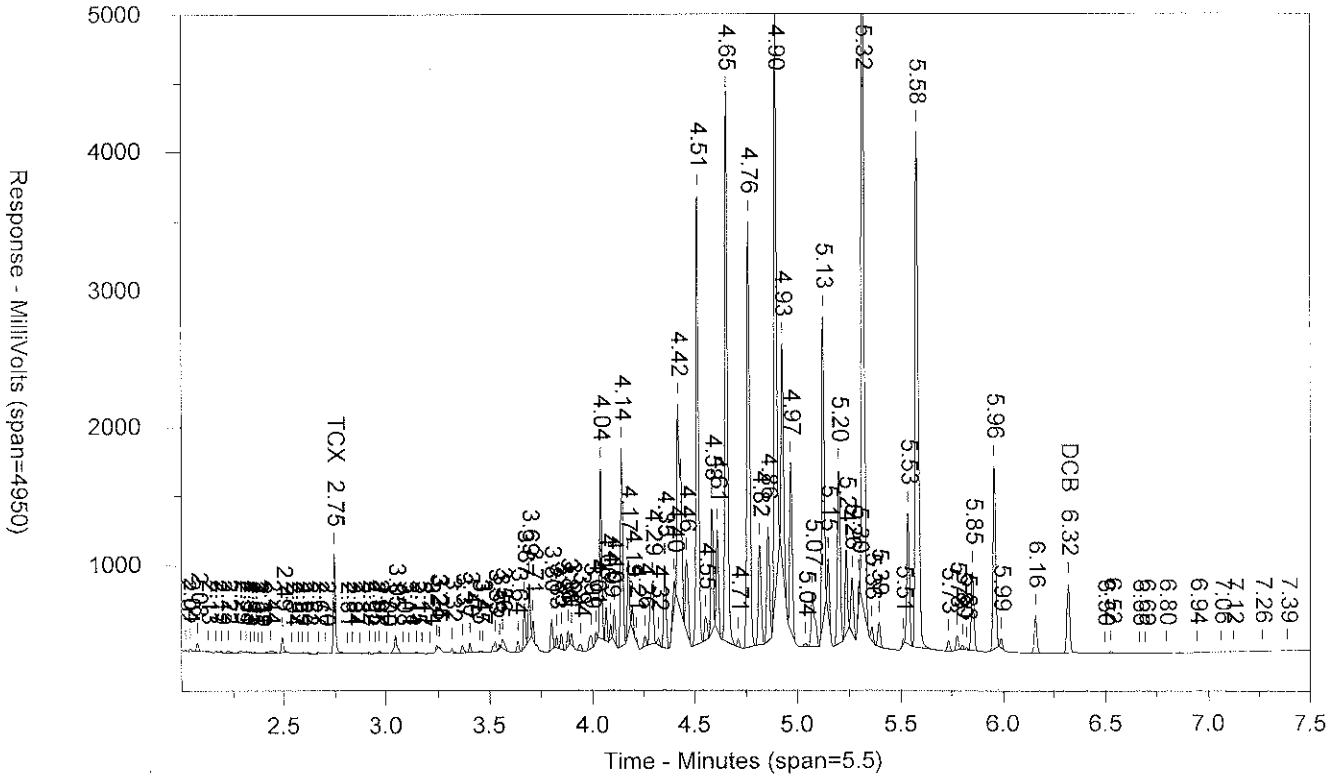

LANCASTER LABORATORIES

Sample Number: 9229547 ACF DF10 AC03A18 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:25:37 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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

Sample Weight: 10.26
Dilution Factor: 100

Threshold: 8
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
3.029	1356787	20.827	TCX	2.747	740557	23.778	TCX
6.756	665980	25.433	DCB	6.318	498991	21.078	DCB

Files:
Area File: 07PCBS17292003.0074.RAW
Area File: 07PCBS17292003B.0074.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:34:18 AM
File Reported On: 10/24/2017 at 9:34:40 AM

9229547 ACF DF10 AC03A18 T 172860014A 10225 SW-846 8082

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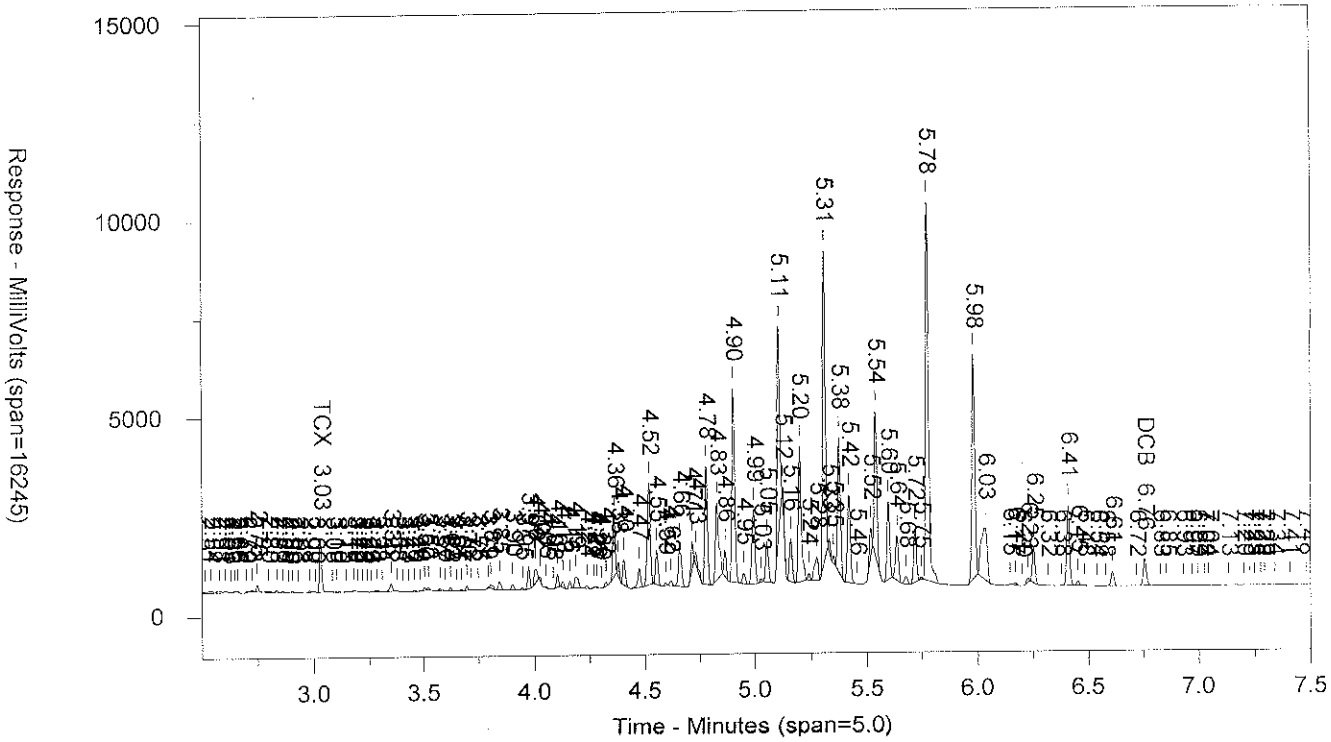

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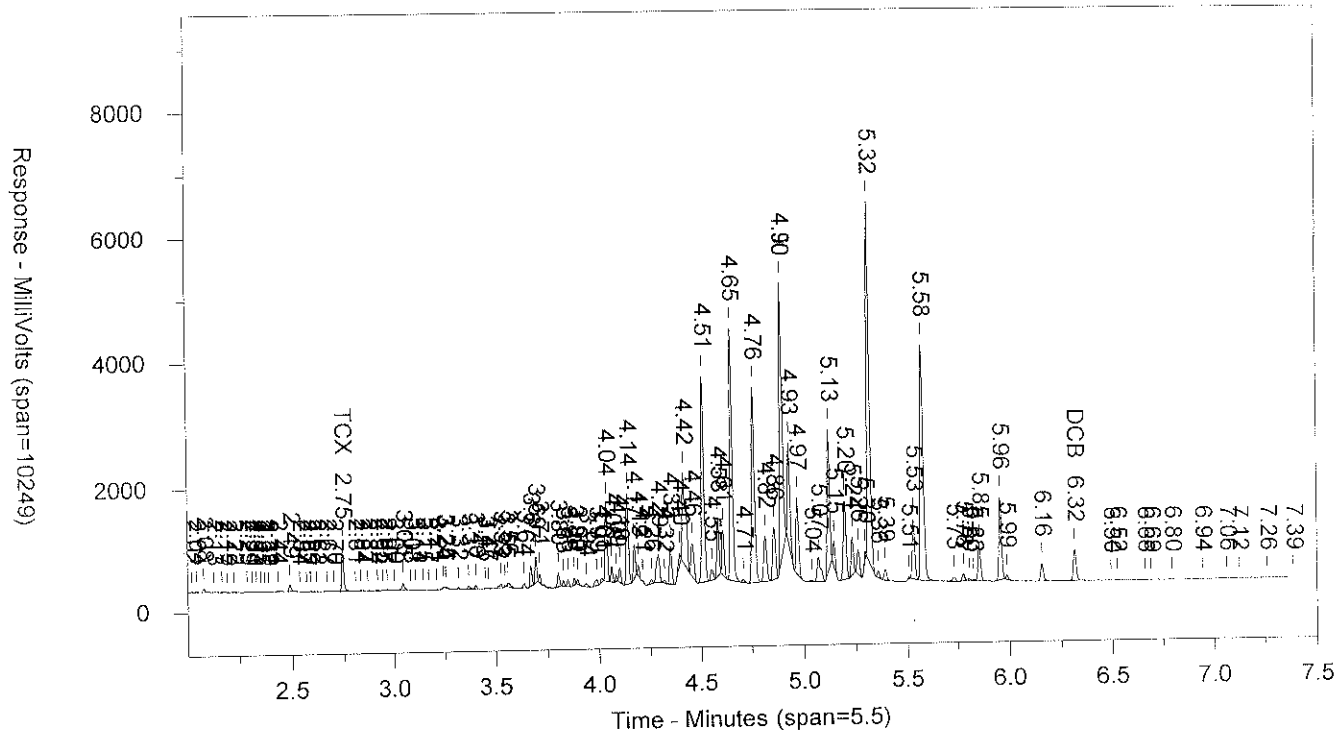

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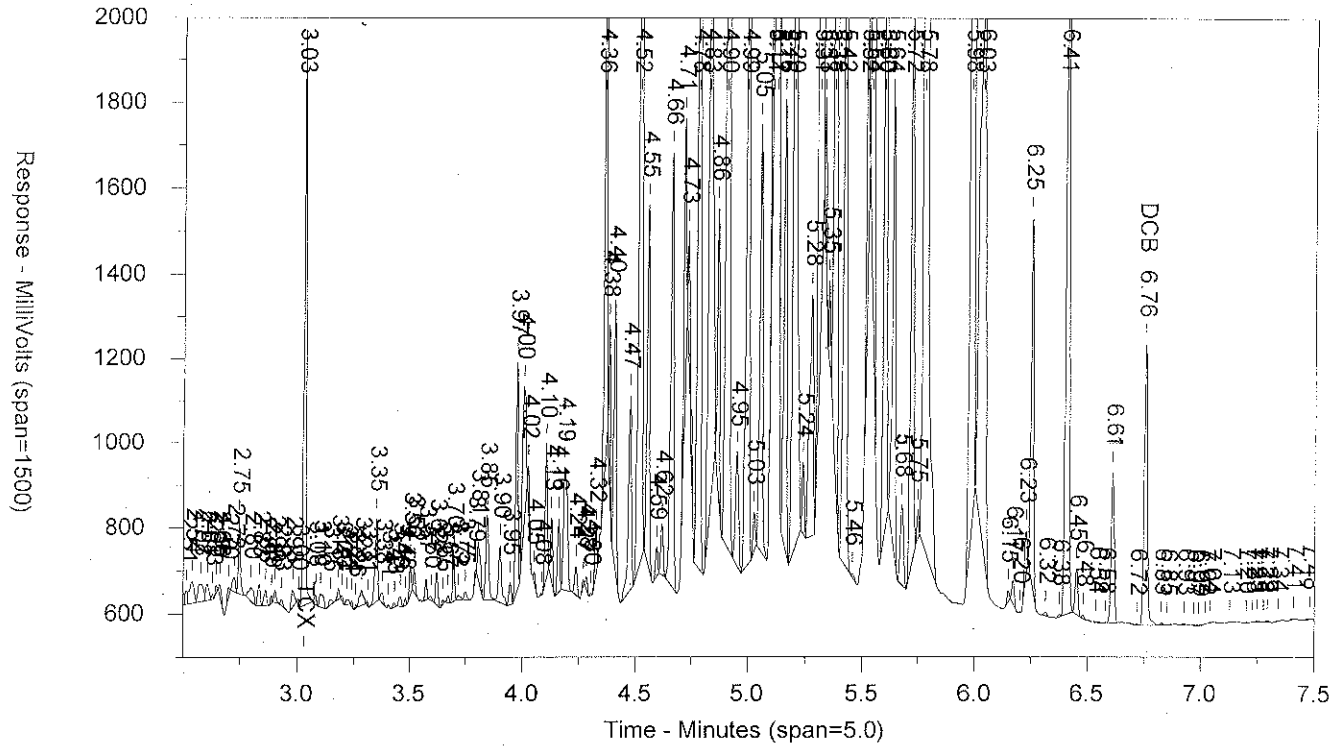

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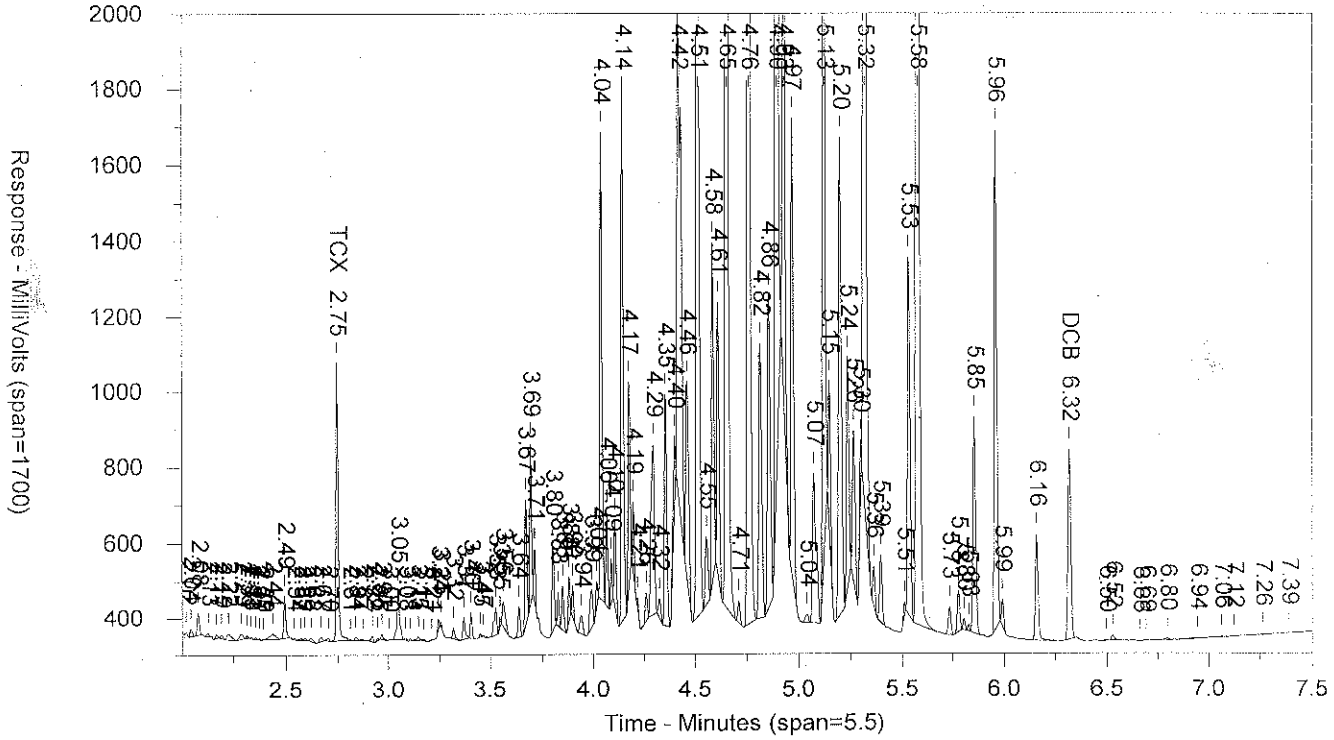

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17309001.seq

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

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

Number of Entries: 54

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	1730899999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730899999	10225
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1730899999	10225
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1730899999	10225
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1730899999	10225
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1730899999	10225
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1730899999	10225
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	1730899999	10225
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
25 AR6231724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
26 AR6831724B	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
27 AR2141724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
29 AR4241724A	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
35 BLANKA 10/27/17 AF	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	173000030A	
36 BLANKB 10/27/17 AF	36	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	173000030A	
37 LOQ 10/27/17 AF	37	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15.2	10	1	0	173000030A	
38 BLANKA 10/27/17 AF	38	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	173000033A	
39 BLANKB 10/27/17 AF	39	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15	10	1	0	173000033A	
40 LOD 10/27/17 AF	40	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	15.2	10	1	0	173000033A	
41 BLANKA 10/19/17 ACF	41	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920037A	
42 LOD 10/19/17 ACF	42	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920037A	
43 BLANKA 10/19/17 ACF	43	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920036A	
44 LOD 10/19/17 ACF	44	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920036A	
45 AR1641724B	45	CCAL	VF	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
46 IBLKX1724B	46	PIBLK	IJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730899999	10225
47 BLANKA 10/19/17 ACF	47	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920038A	
48 LOD 10/19/17 ACF	48	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920038A	
49 BLANKA 10/26/17 AF	49	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	172970030A	
50 LOD 10/26/17 AF	50	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	172970030A	

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17309001.seq

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

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

Number of Entries: 54

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 BLANKA 10/24/17 AF	51	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172960034A	
52 LOD 10/24/17 AF	52	CRDL	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172960034A	
53 AR1641724B	53	CCAL	VG	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730899999	10225
54 IBLKX1724B	54	PIBLK	IK	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730899999	10225

11/7/17

Set-up by: 2855 Date: 5Nov17

11/5/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 48

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
2	CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
3	CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
4	CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
5	IBLKX1724B	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729199999	10225
6	EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
7	AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1729199999	10225
8	AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1729199999	10225
9	AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1729199999	10225
10	AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1729199999	10225
11	AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1729199999	10225
12	AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1729199999	10225
13	AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
14	AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
15	AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
16	AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
17	AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
18	AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
19	AR5411724C	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
20	AR5421724C	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
21	AR5431724C	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
22	AR5441724C	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
23	AR5451724C	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
24	AR5461724B	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
25	AR6231724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
26	AR6831724B	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
27	AR2141724A	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
28	AR3241724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
29	AR4241724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
30	AR16XX1724B	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
31	MD16X1724B	31	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
32	IC16X1724C	32	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
33	IC48X1724B	33	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
34	IC54X1724B	34	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
35	BLANKA 10/19/17 CAF	35	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
36	LCSA 10/19/17 CAF	36	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
37	LCSB 10/19/17 CAF	37	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
38	LCSC 10/19/17 CAF	38	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
39	LCSD 10/19/17 CAF	39	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
40	9267748 CAF	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
41	9267749 CAF	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
42	9268116 CAF DF5	42	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	250	1	0	172910018A	00174
43	BLANKA 10/19/17 AF	43	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
44	BLANKB 10/19/17 AF	44	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
45	LOD1 10/19/17 AF	45	CRDL	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
46	LOD2 10/19/17 AF	46	CRDL	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
47	AR1641724B	47	CCAL	NY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
48	IBLKX1724B	48	PIBLK	WT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729199999	10225

DB12669 10/19/17

Set-up by: [illegible] Date: 190ct17

10/19/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17292002.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 78

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
5 AR1641724B	5	CCAL	OQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
6 IBLKX1724B	6	PIBLK	XM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
7 AR4211724A	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
8 AR4221724A	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
9 AR4231724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
10 AR4241724A	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
11 AR4251724A	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
12 AR4261724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
13 IC42X1724B	13	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
14 AR1641724B	14	CCAL	OR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
15 IBLKX1724B	15	PIBLK	XN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
16 BLANKA 10/15/17 RI CAF	16	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
17 LCSA 10/15/17 RI CAF	17	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
18 LCSDA 10/15/17 RI CAF	18	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
19 9232655R RI CAF	19	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	172860017A	06030
20 9234362R RI CAF	20	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172860017A	06030
21 9237232R RI CAF	21	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172860017A	06030
22 9239553R RI CAF	22	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172860017A	06030
23 9261908 RI CAF	23	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172860017A	06030
24 9262220 RI CAF	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	267	2	1	0	172860017A	06030
25 9262243 RI CAF	25	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	229	2	1	0	172860017A	06030
26 AR1641724B	26	CCAL	OS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
27 IBLKX1724B	27	PIBLK	XO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
28 BLANKA 10/14/17 RI CAF	28	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
29 LCSA 10/14/17 RI CAF	29	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
30 LCSDA 10/14/17 RI CAF	30	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
31 9255920 RI CAF	31	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	996	10	1	0	172850037A	06030
32 9255921 RI CAF	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1028	10	1	0	172850037A	06030
33 9257649 RI CAF	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	961	10	1	0	172850037A	06030
34 9258217 RI CAF	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	100	10	1	0	172850037A	06030
35 9259923 RI CAF	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	961	10	1	0	172850037A	06030
36 9259925 RI CAF	36	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	967	10	1	0	172850037A	06030
37 BLANKA 10/13/17 RI CAF	37	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
38 AR1641724B	38	CCAL	OT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
39 IBLKX1724B	39	PIBLK	XP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
40 LCSA 10/13/17 RI CAF	40	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
41 LCSDA 10/13/17 RI CAF	41	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
42 9256122 RI CAF	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172850045A	06030
43 9256244 RI CAF	43	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	172850045A	06030
44 9256344 RI CAF	44	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	259	2	1	0	172850045A	06030
45 CONDITIONER	45	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
46 9259086 RI CAF	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	230	2	1	0	172850045A	06030
47 9259171 RI CAF	47	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172850045A	06030
48 BLANKA 10/17/17 AF	48	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
49 LCSA 10/17/17 AF	49	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
50 AR1641724B	50	CCAL	OU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7
Number of Entries: 78

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 IBLKX1724B	51	PIBLK	XQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
52 LCSDA 10/17/17 AF	52	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
53 9263063 RI AF	53	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172900015A	06030
54 9263377 RI AF	54	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	231	2	1	0	172900015A	06030
55 9264972 RI AF	55	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900015A	06030
56 BLANKA 10/19/17 AF	56	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
57 LCSA 10/19/17 AF	57	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
58 LCSDA 10/19/17 AF	58	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
59 9266095 AF	59	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	172920016A	06030
60 9266096 AF	60	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172920016A	06030
61 9266097 AF	61	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	172920016A	06030
62 AR1641724B	62	CCAL	OV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
63 IBLKX1724B	63	PIBLK	XR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
64 9268119 AF	64	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	267	2	1	0	172920016A	06030
65 9268132 AF	65	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	266	2	1	0	172920016A	06030
66 9269964 AF	66	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172920016A	06030
67 9270404 AF	67	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172920016A	06030
68 BLANKA 10/18/17 AF	68	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
69 LCSA 10/18/17 AF	69	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
70 LCSDA 10/18/17 AF	70	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
71 9264840 RI AF	71	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1001	10	1	0	172910026A	06030
72 9265124 RI AF	72	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1019	10	1	0	172910026A	06030
73 9265126 RI AF	73	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1011	10	1	0	172910026A	06030
74 AR1641724B	74	CCAL	OW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
75 IBLKX1724B	75	PIBLK	XS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
76 9266094 RI AF	76	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1069	10	1	0	172910026A	06030
77 AR1641724B	77	CCAL	OX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
78 IBLKX1724B	78	PIBLK	XT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225

10/23/17

Set-up by: 72855 Date: 22OCT17

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17309003.seq

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

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

Number of Entries: 74

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	1731699999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	
5 AR1641724B	5	CCAL	WQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
6 IBLKX1724B	6	PIBLK	LY	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
7 BLANKA 11/12/17 AF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	173130055A	10591
8 LCSA 11/12/17 AF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	173130055A	10591
9 LCSDA 11/12/17 AF	9	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	173130055A	10591
10 9296365R RI AF	10	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	173130055A	10591
11 9303686 RI AF	11	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	242	2	1	0	173130055A	10591
12 9303688 RI AF	12	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	173130055A	10591
13 BLANKA 11/9/17 CAF	13	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	173130005A	10227
14 LCSA 11/9/17 CAF	14	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	173130005A	10227
15 LCSDA 11/9/17 CAF	15	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	173130005A	10227
16 9300222 CAF	16	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	1066	10	1	0	173130005A	10227
17 BLANKA 11/11/17 ACF	17	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	173140019A	10736
18 LCSA 11/11/17 ACF	18	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	173140019A	10736
19 9310476 ACF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	10	1	0	173140019A	10736
20 9311201 ACF	20	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	10	1	0	173140019A	10736
21 9311201 ACF DF5	21	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	50	1	0	173140019A	10736
22 9311201MS ACF	22	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	173140019A	10736
23 9311201MS ACF DF5	23	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	173140019A	10736
24 9311201MSD ACF	24	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	173140019A	10736
25 9311201MSD ACF DF5	25	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30	50	1	0	173140019A	10736
26 AR1641724B	26	CCAL	WR	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
27 IBLKX1724B	27	PIBLK	LZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
28 BLANKA 11/10/17 ACF	28	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130036A	10225
29 LCSA 11/10/17 ACF	29	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130036A	10225
30 AR1641724B	30	CCAL	WS	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
31 IBLKX1724B	31	PIBLK	MA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
32 9304832 ACF	32	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130036A	10225
33 9304832MS ACF	33	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.3	10	1	0	173130036A	10225
34 9304832MSD ACF	34	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.1	10	1	0	173130036A	10225
35 BLANKA 11/10/17 ACF	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130098A	10592
36 LCSA 11/10/17 ACF	36	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130098A	10592
37 AR1641724B	37	CCAL	WT	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
38 IBLKX1724B	38	PIBLK	MB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
39 P313098 ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130098A	10592
40 P313098MS ACF	40	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.3	10	1	0	173130098A	10592
41 P313098MSD ACF	41	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.1	10	1	0	173130098A	10592
42 9312084 ACF	42	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130098A	10592
43 9312085 ACF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	173130098A	10592
44 BLANKA 11/10/17 ACF	44	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172830025A	10225
45 LCSA 11/10/17 ACF	45	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172830025A	10225
46 AR1641724B	46	CCAL	WU	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
47 IBLKX1724B	47	PIBLK	MC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
48 9229505 ACF DF200	48	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	2000	1	0	172830025A	10225
49 9229506 ACF DF200	49	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	2000	1	0	172830025A	10225
50 9229507 ACF DF20	50	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	200	1	0	172830025A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17309003.seq

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

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

Number of Entries: 74

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51 9229508 ACF DF50	51	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	500	1	0	172830025A	10225
52 9229513 ACF DF50	52	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.23	500	1	0	172830025A	10225
53 9229514 ACF DF50	53	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.34	500	1	0	172830025A	10225
54 9229515 ACF DF100	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.18	1000	1	0	172830025A	10225
55 9229516MS ACF DF100	55	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	1000	1	0	172830025A	10225
56 9229517MSD ACF DF10	56	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	1000	1	0	172830025A	10225
57 9229518 ACF DF100	57	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.39	1000	1	0	172830025A	10225
58 9229519 ACF DF50	58	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.27	500	1	0	172830025A	10225
59 9229520 ACF DF50	59	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	500	1	0	172830025A	10225
60 9229521 ACF DF200	60	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	2000	1	0	172830025A	10225
61 9229522 ACF DF50	61	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.09	500	1	0	172830025A	10225
62 9229528 ACF DF50	62	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.28	500	1	0	172830025A	10225
63 9229529 ACF DF10	63	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.48	100	1	0	172830025A	10225
64 9229530 ACF DF10	64	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.41	100	1	0	172830025A	10225
65 9229531 ACF DF50	65	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	500	1	0	172830025A	10225
66 9229536 ACF DF20	66	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.43	200	1	0	172830025A	10225
67 9229537 ACF	67	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.37	10	1	0	172830025A	10225
68 AR1641724B	68	CCAL	WV	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
69 IBLKX1724B	69	PIBLK	MD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225
70 9229538 ACF DF50	70	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.18	500	1	0	172830025A	10225
71 9249187 ACF DF200	71	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.36	2000	1	0	172830025A	10225
72 9249187 ACF DF500	72	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.36	5000	1	0	172830025A	10225
73 AR1641724B	73	CCAL	WW	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1731699999	10225
74 IBLKX1724B	74	PIBLK	ME	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1731699999	10225

DB 12669

11/14/17

Set-up by: 2855

11/14/2017

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Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17292004.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 103

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1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	
5 AR1641724B	5	CCAL	PY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
6 IBLKX1724B	6	PIBLK	ZJ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
7 BLANKA 10/18/17 CAF	7	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
8 LCSA 10/18/17 CAF	8	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
9 LCSDA 10/18/17 CAF	9	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
10 9264840 CAF	10	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1001	10	1	0	172910026A	06030
11 BLANKA 10/19/17 CAF	11	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
12 LCSA 10/19/17 CAF	12	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
13 LCSDA 10/19/17 CAF	13	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
14 9266096 CAF	14	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172920016A	06030
15 9266097 CAF	15	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	172920016A	06030
16 9229472 RI ACF DF200	16	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	2000	1	0	172820027A	10225
17 AR1641724B	17	CCAL	PZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
18 IBLKX1724B	18	PIBLK	ZK	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
19 9229472 RI ACF DF500	19	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	5000	1	0	172820027A	10225
20 BLANKA 10/24/17 CAF	20	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960024A	06030
21 LCSA 10/24/17 CAF	21	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960024A	06030
22 LCSDA 10/24/17 CAF	22	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960024A	06030
23 9269973 CAF	23	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172960024A	06030
24 9269974 CAF	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	172960024A	06030
25 9269975 CAF	25	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172960024A	06030
26 9269976 CAF	26	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172960024A	06030
27 9269977 CAF	27	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	172960024A	06030
28 BLANKA 10/24/17 CAF	28	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960021A	10591
29 AR1641724B	29	CCAL	QA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
30 IBLKX1724B	30	PIBLK	ZL	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
31 LCSA 10/24/17 CAF	31	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960021A	10591
32 LCSDA 10/24/17 CAF	32	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172960021A	10591
33 9276656 CAF	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172960021A	10591
34 9276658 CAF	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172960021A	10591
35 9276661 CAF	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172960021A	10591
36 9276662 CAF	36	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172960021A	10591
37 9276701 CAF	37	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	50	2	1	0	172960021A	10591
38 9276702 CAF	38	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	172960021A	10591
39 BLANKA 10/22/17 ACF	39	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172930016A	10885
40 LCSA 10/22/17 ACF	40	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172930016A	10885
41 AR1641724B	41	CCAL	QB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
42 IBLKX1724B	42	PIBLK	ZM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
43 9265096 RI ACF	43	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.3	10	1	0	172930016A	10885
44 9265098 RI ACF	44	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172930016A	10885
45 9265100 RI ACF	45	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.26	10	1	0	172930016A	10885
46 9265102 RI ACF	46	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.03	10	1	0	172930016A	10885
47 9269530 RI ACF	47	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.32	10	1	0	172930016A	10885
48 9269530 ACF DF5	48	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.32	50	1	0	172930016A	10885
49 9269530MS ACF	49	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.2	10	1	0	172930016A	10885
50 9269530MS ACF DF5	50	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.2	50	1	0	172930016A	10885

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 103

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51 9269530MSD ACF	51	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172930016A	10885
52 9269530MSD ACF DF5	52	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	50	1	0	172930016A	10885
53 9269531 RI ACF	53	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.08	10	1	0	172930016A	10885
54 9269532 RI ACF	54	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172930016A	10885
55 9269533 RI ACF	55	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172930016A	10885
56 9269534 RI ACF	56	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	10	1	0	172930016A	10885
57 9269535 RI ACF	57	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.4	10	1	0	172930016A	10885
58 9270300 RI ACF	58	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.31	10	1	0	172930016A	10885
59 9270303 RI ACF	59	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	10	1	0	172930016A	10885
60 9270306 RI ACF	60	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.33	10	1	0	172930016A	10885
61 9270309 RI ACF	61	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.07	10	1	0	172930016A	10885
62 9270312 RI ACF	62	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.22	10	1	0	172930016A	10885
63 AR1641724B	63	CCAL	QC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
64 IBLKX1724B	64	PIBLK	ZN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
65 9270315 RI ACF	65	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	10	1	0	172930016A	10885
66 9270318 RI ACF	66	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	10	1	0	172930016A	10885
67 9270321 RI ACF	67	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.05	10	1	0	172930016A	10885
68 9270324 RI ACF	68	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.08	10	1	0	172930016A	10885
69 9270327 RI ACF	69	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.35	10	1	0	172930016A	10885
70 BLANKA 10/15/17 ACF	70	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172850029A	10225
71 LCSA 10/15/17 ACF	71	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172850029A	10225
72 9229532 ACF DF20	72	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	200	1	0	172850029A	10225
73 9229533MS ACF DF20	73	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	200	1	0	172850029A	10225
74 9229534MSD ACF DF20	74	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.16	200	1	0	172850029A	10225
75 9229535 ACF DF10	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	100	1	0	172850029A	10225
76 9229539 ACF DF50	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	500	1	0	172850029A	10225
77 9229540 ACF DF50	77	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	500	1	0	172850029A	10225
78 9229541 ACF DF10	78	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.45	100	1	0	172850029A	10225
79 9229542 ACF DF20	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	200	1	0	172850029A	10225
80 9229543 ACF DF20	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	200	1	0	172850029A	10225
81 9229544 ACF DF10	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	100	1	0	172850029A	10225
82 9229545 ACF DF5	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.49	50	1	0	172850029A	10225
83 BLANKA 10/24/17 ACF	83	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172960032A	10885
84 LCSA 10/24/17 ACF	84	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172960032A	10885
85 AR1641724B	85	CCAL	QD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
86 IBLKX1724B	86	PIBLK	ZO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225
87 9276703 RI ACF	87	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.01	10	1	0	172960032A	10885
88 9276703MS ACF	88	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172960032A	10885
89 9276703MSD ACF	89	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.2	10	1	0	172960032A	10885
90 9276706 RI ACF	90	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172960032A	10885
91 BLANKA 10/13/17 AF	91	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172850026A	13713
92 LCSA 10/13/17 AF	92	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
93 LCSDA 10/13/17 AF	93	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172850026A	13713
94 9232214 RI AF	94	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
95 9232215 RI AF	95	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
96 9232216 RI AF	96	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
97 9232217 RI AF	97	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
98 9232218 RI AF	98	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172850026A	13713
99 9232219 RI AF	99	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	10	1	0	172850026A	13713
100 9232220 RI AF	100	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	10	1	0	172850026A	13713

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 103

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9232221 RI AF	101	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172850026A	13713
102 AR1641724B	102	CCAL	QE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729699999	10225
103 IBLKX1724B	103	PIBLK	ZP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729699999	10225

√ TL 2288 10/24/17

Set-up by: [signature] 2855 Date: 24 Oct 17

10/24/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292003.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 122

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1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
5 AR1641724B	5	CCAL	OY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
6 IBLKX1724B	6	PIBLK	YH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
7 BLANKA 10/23/17 CAF	7	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
8 LCSA 10/23/17 CAF	8	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
9 LCSDA 10/23/17 CAF	9	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
10 9271960 CAF	10	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930025A	06030
11 9271961 CAF	11	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930025A	06030
12 9271962 CAF	12	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
13 9271963 CAF	13	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
14 9271964 CAF	14	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930025A	06030
15 9271965 CAF	15	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
16 9271966 CAF	16	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	172930025A	06030
17 AR1641724B	17	CCAL	OZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
18 IBLKX1724B	18	PIBLK	YI	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
19 9271967 CAF	19	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930025A	06030
20 9271968 CAF	20	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	227	2	1	0	172930025A	06030
21 9271969 CAF	21	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	214	2	1	0	172930025A	06030
22 BLANKA 10/23/17 CAF	22	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930024A	06030
23 LCSA 10/23/17 CAF	23	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930024A	06030
24 9271950 CAF	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172930024A	06030
25 9271951MS CAF	25	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172930024A	06030
26 9271952MSD CAF	26	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930024A	06030
27 9271953 CAF	27	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	215	2	1	0	172930024A	06030
28 9271954 CAF	28	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930024A	06030
29 AR1641724B	29	CCAL	PA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
30 IBLKX1724B	30	PIBLK	YJ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
31 9271955 CAF	31	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930024A	06030
32 9271956 CAF	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	213	2	1	0	172930024A	06030
33 9271957 CAF	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	172930024A	06030
34 9271958 CAF	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	226	2	1	0	172930024A	06030
35 9271959 CAF	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930024A	06030
36 BLANKA 10/19/17 AF	36	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
37 LCSA 10/19/17 AF	37	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
38 LCSDA 10/19/17 AF	38	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
39 8980214 RI AF	39	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	5	1	0	172910016A	10591
40 8980215 RI AF	40	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	5	1	0	172910016A	10591
41 AR1641724B	41	CCAL	PB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
42 IBLKX1724B	42	PIBLK	YK	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
43 8980216 RI AF	43	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	5	1	0	172910016A	10591
44 8980217 RI AF	44	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	5	1	0	172910016A	10591
45 BLANKA 10/20/17 AF	45	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930002A	10591
46 LCSA 10/20/17 AF	46	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930002A	10591
47 9267619 RI AF	47	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
48 9267620MS AF	48	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
49 9267621MSD AF	49	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
50 9270449 RI AF	50	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7
Number of Entries: 122

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9272426 RI AF	51	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
52 9272429 RI AF	52	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
53 AR1641724B	53	CCAL	PC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
54 IBLKX1724B	54	PIBLK	YL	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
55 9272430 RI AF	55	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930002A	10591
56 9272431 RI AF	56	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
57 BLANKA 10/17/17 AF	57	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
58 LCSA 10/17/17 AF	58	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
59 LCSDA 10/17/17 AF	59	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
60 9256033 RI AF	60	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172900010A	10591
61 9256044 RI AF	61	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900010A	10591
62 9265024 RI AF	62	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900010A	10591
63 9265025 RI AF	63	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172900010A	10591
64 9265026 RI AF	64	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	172900010A	10591
65 AR1641724B	65	CCAL	PD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
66 IBLKX1724B	66	PIBLK	YM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
67 9265027 RI AF	67	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172900010A	10591
68 9265028 RI AF	68	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172900010A	10591
69 BLANKA 10/14/17 ACF	69	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172860014A	10225
70 LCSA 10/14/17 ACF	70	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172860014A	10225
71 AR1641724B	71	CCAL	PE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
72 IBLKX1724B	72	PIBLK	YN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
73 9229546 ACF DF50	73	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	500	1	0	172860014A	10225
74 9229547 ACF DF10	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172860014A	10225
75 9229548 ACF DF20	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	200	1	0	172860014A	10225
76 9229550 ACF DF10	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.14	100	1	0	172860014A	10225
77 9229551MS ACF DF10	77	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172860014A	10225
78 9229552MSD ACF DF10	78	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	100	1	0	172860014A	10225
79 9229553 ACF DF10	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	100	1	0	172860014A	10225
80 9229554 ACF DF50	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172860014A	10225
81 9229555 ACF DF5	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	50	1	0	172860014A	10225
82 9229556 ACF DF100	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	1000	1	0	172860014A	10225
83 9229557 RI ACF	83	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	10	1	0	172860014A	10225
84 9229558 ACF DF50	84	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172860014A	10225
85 9229559 ACF DF20	85	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	200	1	0	172860014A	10225
86 9229560 ACF DF10	86	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	100	1	0	172860014A	10225
87 9229561 ACF DF200	87	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	2000	1	0	172860014A	10225
88 9239049 ACF DF50	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	500	1	0	172860014A	10225
89 9239052 ACF DF100	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	1000	1	0	172860014A	10225
90 9239052 ACF DF200	90	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	2000	1	0	172860014A	10225
91 9239055 ACF DF20	91	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	200	1	0	172860014A	10225
92 BLANKA 10/17/17 ACF	92	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172890027A	10225
93 AR1641724B	93	CCAL	PF	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
94 IBLKX1724B	94	PIBLK	YO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
95 LCSA 10/17/17 ACF	95	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172890027A	10225
96 9229238R ACF DF10	96	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	100	1	0	172890027A	10225
97 9229238RDUP ACF DF10	97	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	100	1	0	172890027A	10225
98 9229258R ACF DF10	98	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	100	1	0	172890027A	10225
99 9229258RDUP ACF DF10	99	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	100	1	0	172890027A	10225
100 9229259R ACF DF100	100	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	1000	1	0	172890027A	10225

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 122

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101 9229259RDUP ACF DF100	101	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	1000	1	0	172890027A	10225
102 9229549 ACF DF20	102	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	200	1	0	172890027A	10225
103 9233682 ACF DF20	103	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	172890027A	10225
104 9233683 ACF DF20	104	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	200	1	0	172890027A	10225
105 9233684 ACF DF5	105	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	50	1	0	172890027A	10225
106 9233685 ACF DF10	106	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	100	1	0	172890027A	10225
107 9233685MS ACF DF10	107	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.01	100	1	0	172890027A	10225
108 9233685MSD ACF DF10	108	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	100	1	0	172890027A	10225
109 9233686 ACF DF5	109	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.06	50	1	0	172890027A	10225
110 9233687 ACF DF5	110	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.43	50	1	0	172890027A	10225
111 9233688 ACF DF20	111	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.01	200	1	0	172890027A	10225
112 9233689 ACF DF100	112	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	1000	1	0	172890027A	10225
113 9233689 ACF DF200	113	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	2000	1	0	172890027A	10225
114 9233690 ACF DF5	114	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	50	1	0	172890027A	10225
115 AR1641724B	115	CCAL	PG	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
116 IBLKX1724B	116	PIBLK	YP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
117 9233691 ACF DF5	117	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.22	50	1	0	172890027A	10225
118 9233692 ACF DF100	118	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	1000	1	0	172890027A	10225
119 9233692 ACF DF200	119	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	2000	1	0	172890027A	10225
120 9233693 ACF DF20	120	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.39	200	1	0	172890027A	10225
121 AR1641724B	121	CCAL	PH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
122 IBLKX1724B	122	PIBLK	YQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225

DB 12669 10/23/17

Set-up by: 12855 Date: 23Oct17

10/23/2017

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:12:35 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: 25PCBS17309001.001.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.02		510	784
2.051		576	167
2.084		1877	1135
2.108		20315	18195
2.221		6627	10049
2.358		2567	1361
2.374		1497	1263
2.45		4447	3157
2.474		939	596
2.51		1299	940
2.546		444	244
2.571		9180	7882
2.635		1046	1464
2.694		408	435
2.718		2923	2367
2.746		2594	4209
2.923		764	1010
2.98		402	120
3		7739	7127
3.033		441	346
3.053	TCX	1008	1127
3.096		577536	408335
3.261		25926	23492
3.323		28555	23979
3.375		134258	93833
3.396		3018	1970
3.447		3118	4125
3.479		18648	12729
3.523		689	538
3.568		653	653
3.613		137129	90338
3.633		70634	41846
3.674		16373	10213
3.692		6366	2874
3.709		8058	4584
3.743		158557	128742
3.782		6454	5959
3.806		1761	914
3.827		7005	4855
3.868		33548	20757
3.885		18007	9467
3.934		79501	45618
3.946		140103	77827
3.988		174889	143119
4.029		450	160
4.053		151539	120662
4.097		15191	10365
4.126		102961	77653
4.155		74520	71964
4.179		20233	10743
4.26		116379	86304
4.285		42151	28541
4.318		49425	35293
4.355		126769	135804

RT A	Compound A	Height A	Area A
4.396		40089	31418
4.444		4795	4385
4.482		24505	25636
4.519		117495	89312
4.539		31852	18495
4.564		33047	23074
4.584		4633	2386
4.633		16639	14537
4.677		127082	118704
4.712		5128	3388
4.776		2522	2363
4.817		33406	40271
4.872		16172	10623
4.889		29678	19538
4.935		77988	66089
4.981		109000	123764
5.02		33075	23749
5.059		242427	223404
5.102		9819	8222
5.148		41954	42774
5.181		11055	8640
5.203		42190	34656
5.254		282287	349342
5.304		64021	54666
5.344		146875	155026
5.386		2988	1636
5.421		34158	39587
5.456		326169	295909
5.478		15267	6852
5.496		2924	977
5.518		178716	158659
5.56		110650	103521
5.605		629	290
5.658		23694	20238
5.68		179903	153462
5.739		98273	88402
5.778		54209	49728
5.82		8498	7279
5.838		625	221
5.862		67390	61665
5.918		458206	470456
6.007		2313	3105
6.075		612	332
6.129		261758	277166
6.168		6951	14035
6.185		44193	39519
6.296		587	979
6.324		8375	8254
6.388		7504	6436
6.412		47115	44240
6.445		4407	4677
6.512		814	1608
6.576		125097	129210
6.625		7845	8513
6.68		404	212
6.693		786	232
6.732		6583	9394
6.792	DCB	37525	38221
6.832		632	227
6.902		1789	1245
6.95		394193	431010

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:12:35 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: 25PCBS17309001B.001.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.071		10818	14468
2.14		12260	25009
2.25		903	560
2.315		5340	10009
2.368		3844	6140
2.465		5988	4332
2.531		2561	4760
2.582		5217	8796
2.731		2538	5443
2.761		1805	1734
2.796	TCX	1042786	669756
2.842		29492	24601
2.977		54213	40088
3.029		5448	2408
3.042		41846	24895
3.08		875	167
3.099		245923	165764
3.135		618	141
3.144		1100	161
3.153		1379	535
3.162		1061	299
3.175		1428	451
3.189		1515	709
3.2		742	103
3.221		36826	25508
3.255		475	252
3.261		1476	440
3.271		462	109
3.283		866	296
3.289		608	136
3.298		474	66
3.326		203817	111592
3.339		77370	34292
3.383		34623	25323
3.407		18151	11227
3.436		17131	9843
3.463		274887	199554
3.503		11278	7222
3.522		865	161
3.534		3629	1987
3.554		63454	37026
3.572		37132	19473
3.605		1138	453
3.628		154128	82821
3.64		260844	125468
3.663		13969	6972
3.678		245122	186378
3.722		1155	454
3.735		1258	341
3.741		1005	181
3.762		265069	184596
3.801		185120	123838
3.828		211393	134792
3.849		63634	36014

RT B	Compound B	Height B	Area B
3.947		206758	149175
3.974		85490	53087
3.997		80115	52299
4.031		76812	46075
4.05		172829	111184
4.096		64296	51088
4.139		19913	19083
4.172		43925	28503
4.196		245917	169332
4.224		52960	33895
4.248		3804	2212
4.265		33539	24554
4.303		189492	136231
4.34		12951	8023
4.358		26463	16563
4.405		17384	17202
4.448		32809	35551
4.517		55851	38702
4.563		47611	28090
4.58		44907	21956
4.594		127931	72998
4.62		77876	77813
4.674		407328	322845
4.717		15996	13970
4.746		41132	28045
4.772		87738	64487
4.815		427981	340269
4.922		373756	362529
4.978		51143	44872
5.016		98354	87535
5.052		432193	371156
5.085		220900	163237
5.125		152240	116458
5.224		54834	56662
5.274		293829	229811
5.298		41904	25476
5.347		154845	137533
5.38		76352	58337
5.407		44340	34640
5.439		18973	10305
5.459		626686	502900
5.499		12675	9835
5.535		31978	27263
5.647		5943	3520
5.671		134472	111161
5.715		429629	464296
5.817		4155	4522
5.872		12342	11835
5.912		10909	8854
5.941		12073	10599
5.99		74712	71265
6.041		928	618
6.096		165551	144594
6.127		10706	8640
6.191		2809	6952
6.256		1446	1173
6.268		856	436
6.304		48660	44738
6.391	DCB	1214	428
6.426		1198	508
6.474		532427	526560
6.589		5164	14340
6.717		864	440
6.803		1401	867
6.897		1161	1718
6.984		6377	10093

CONDITIONER AA MISC 1730899999 SW-846 8082

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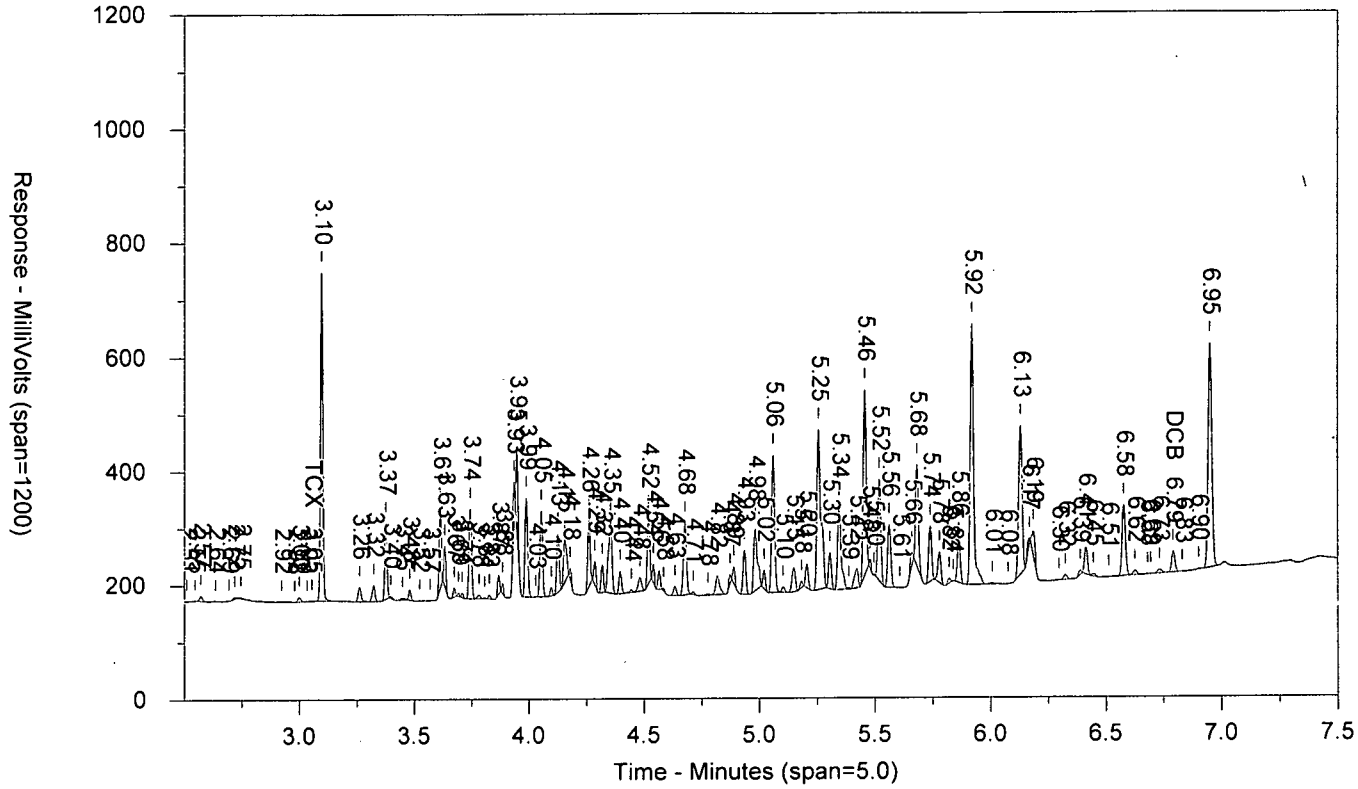

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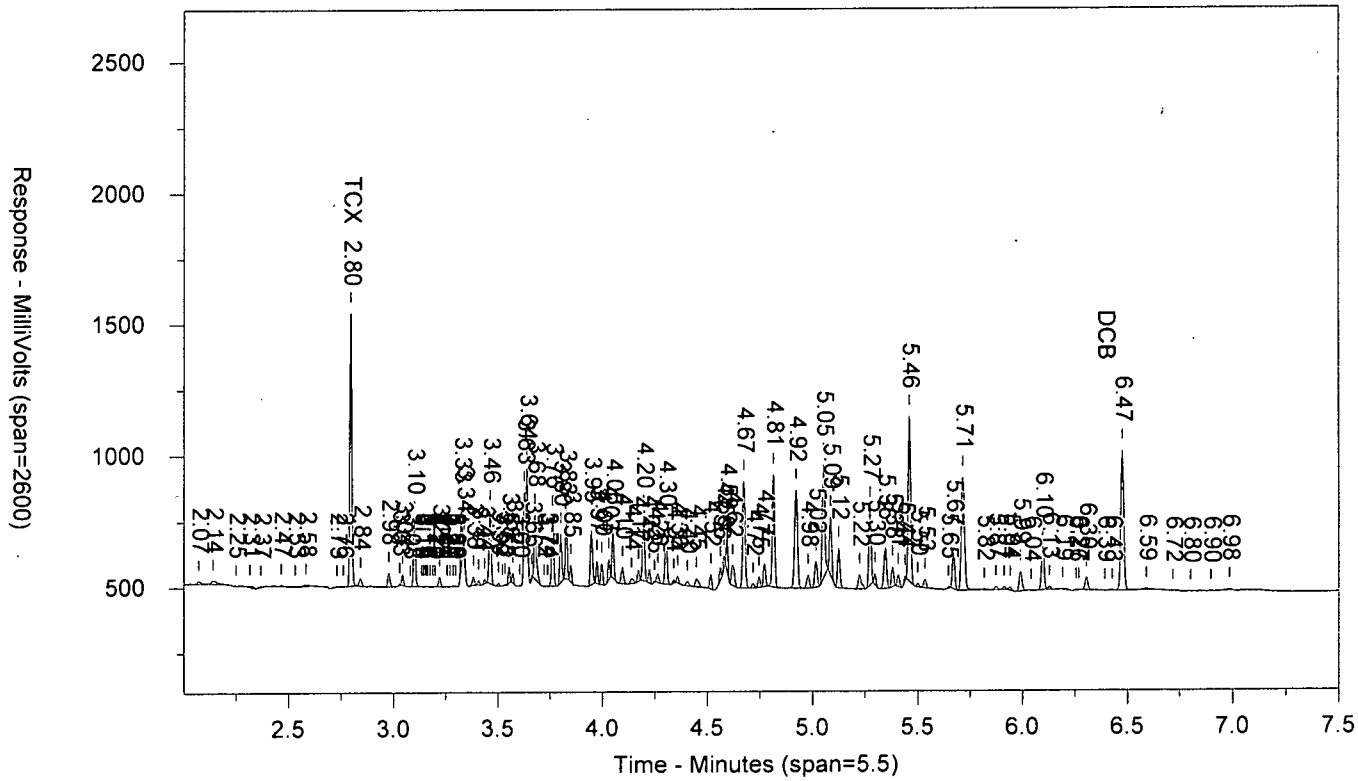

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:12:35 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
3.053	1008	.015	TCX	2.796	1042786		TCX
6.792	37525	85.531	DCB	6.391	1214	9.453	DCB

Files:
Area File: 25PCBS17309001.001.RAW
Area File: 25PCBS17309001B.001.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 6:21:05 PM
File Reported On: 11/7/2017 at 11:51:36 AM

CONDITIONER AA MISC 1730899999 SW-846 8082

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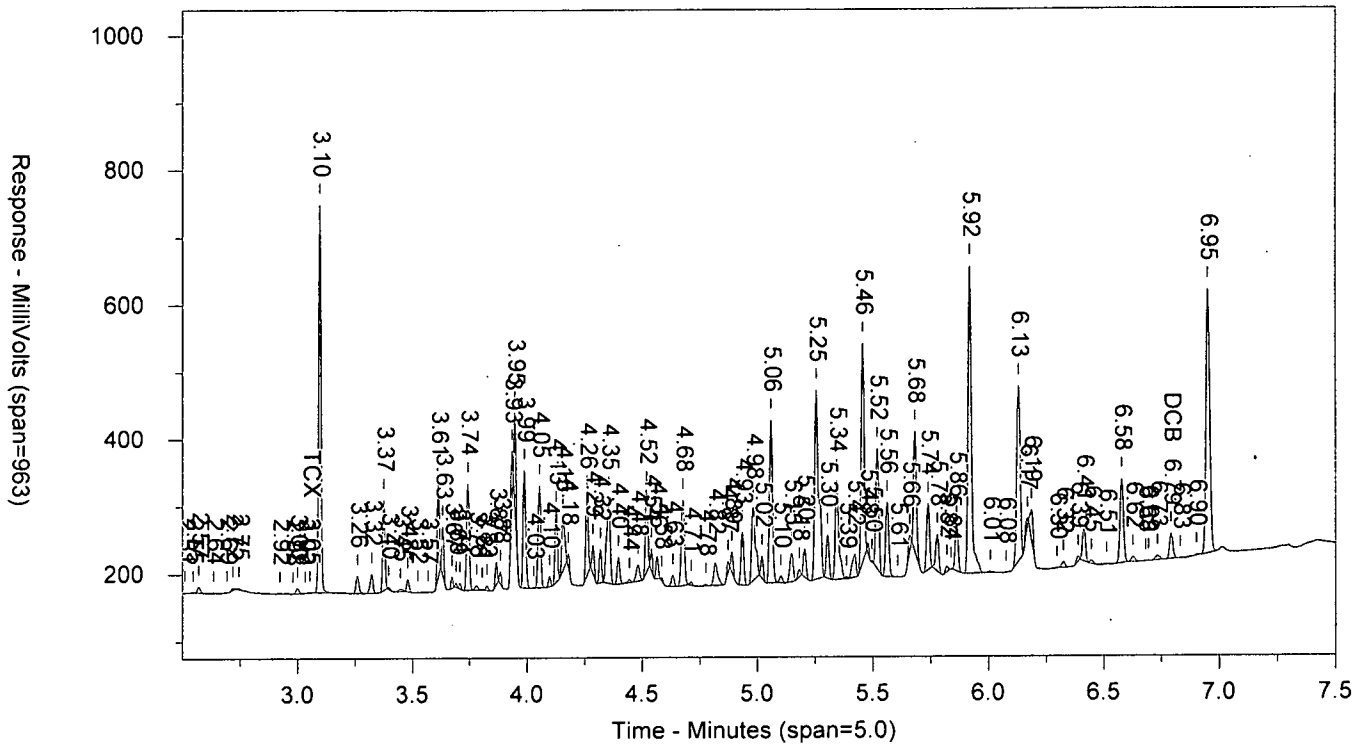

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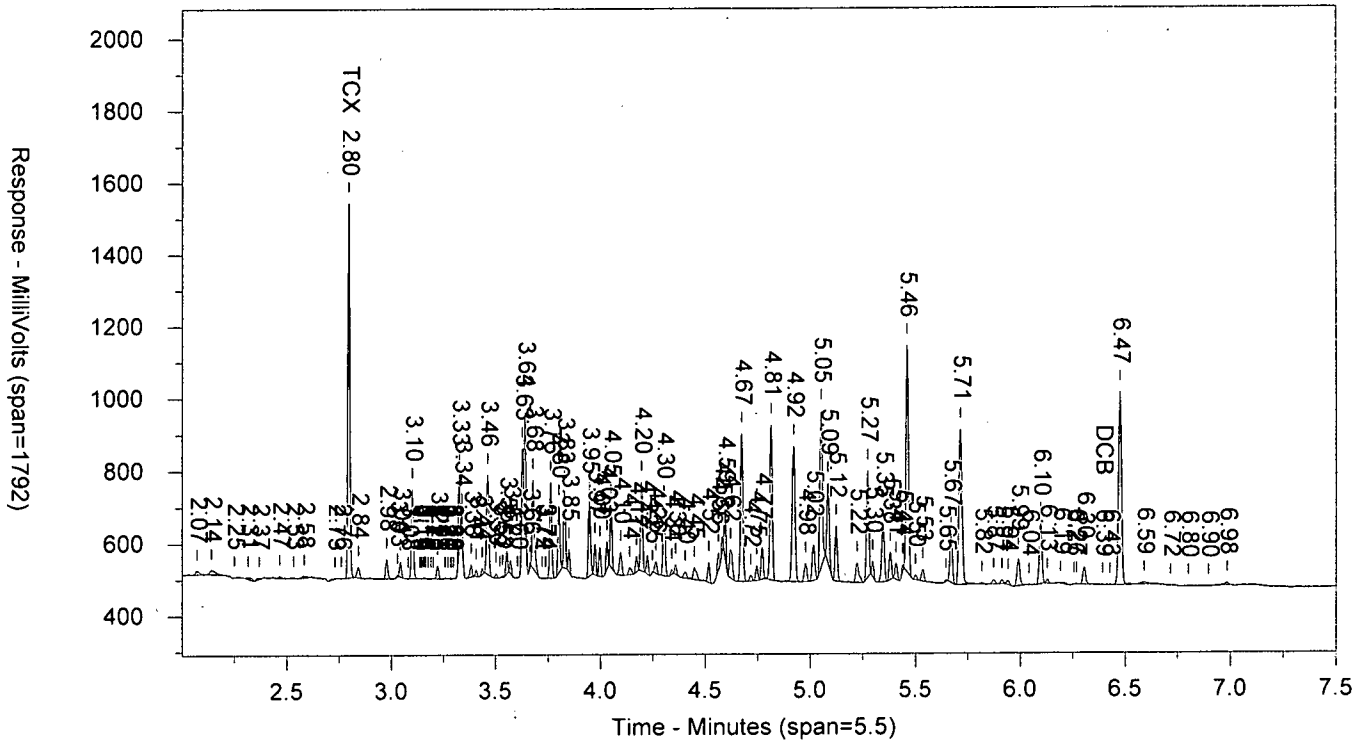

CONDITIONER AA MISC 1730899999 SW-846 8082

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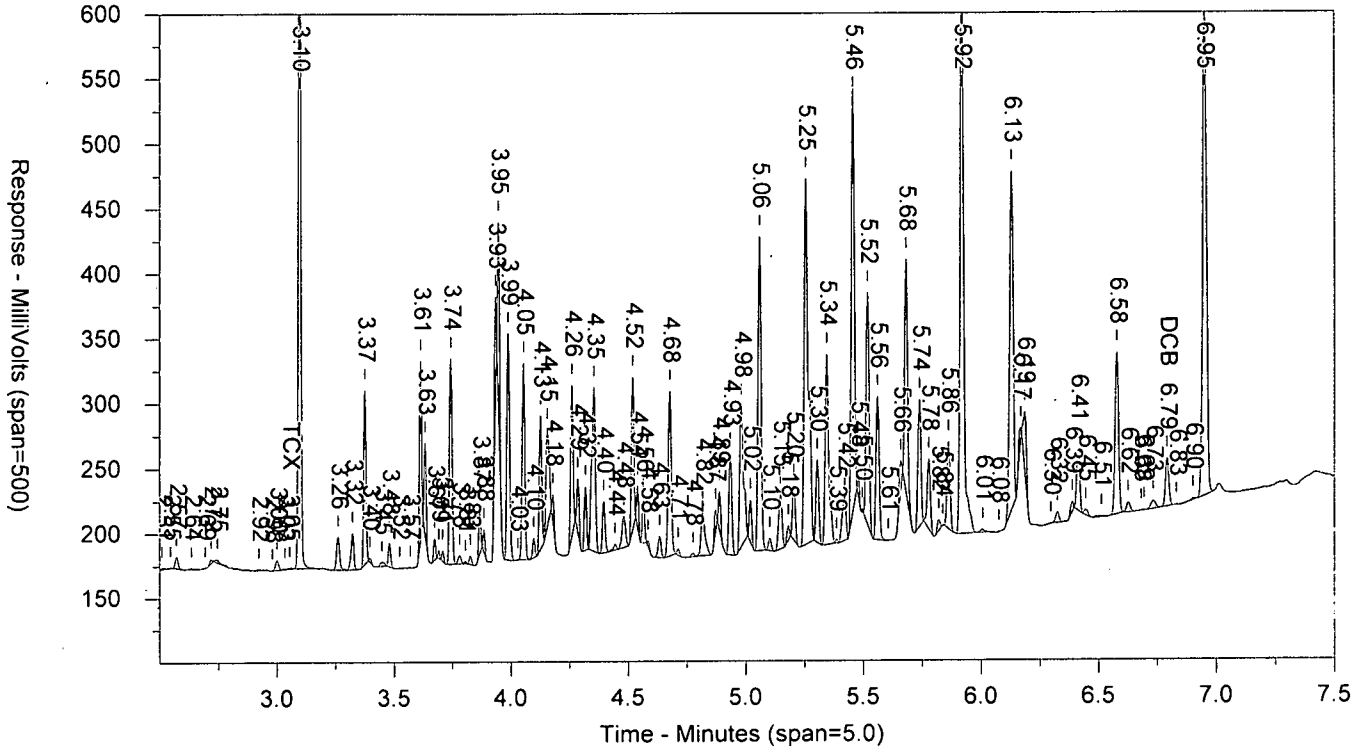

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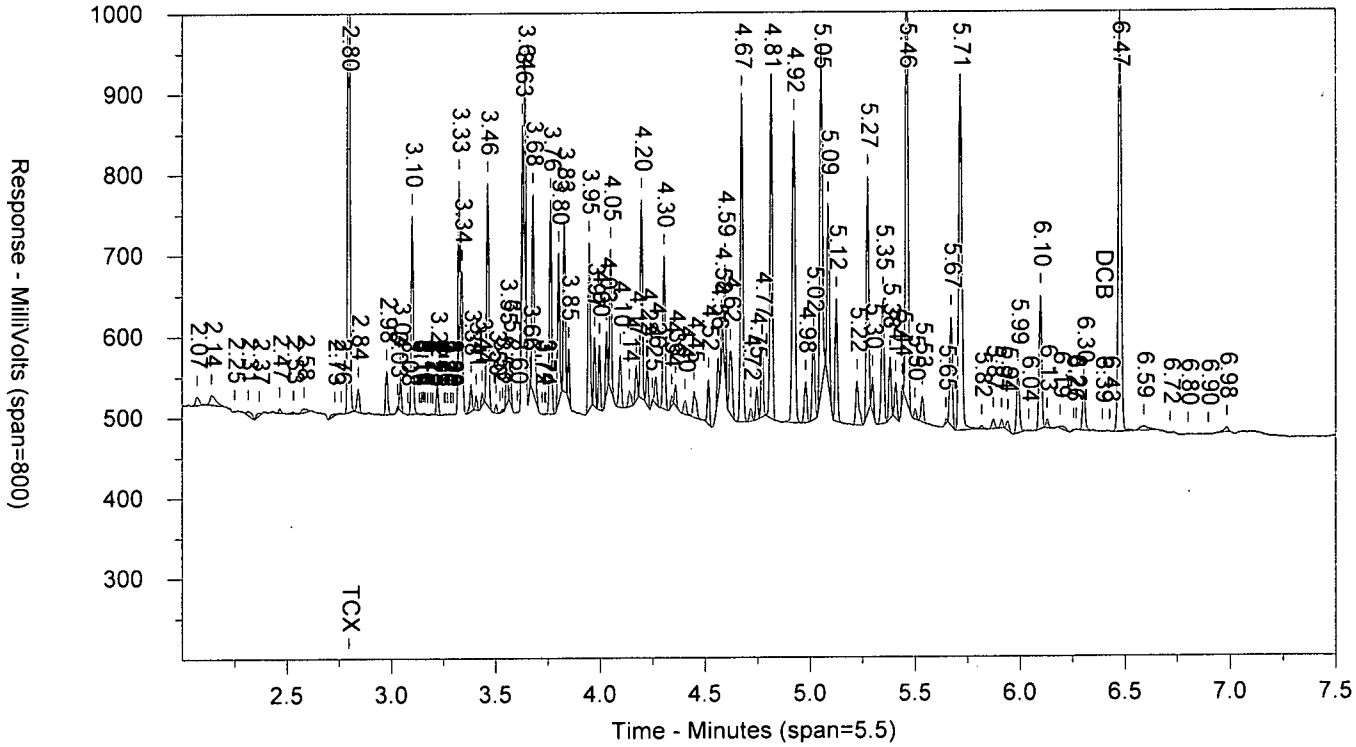

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:23:51 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: 25PCBS17309001.002.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.076		1210	1035
2.097		48776	63044
2.166		1347	998
2.215		6339	11060
2.272		300	570
2.281		1599	1183
2.32		2634	1840
2.347		1746	803
2.362		1953	1658
2.437		3519	2215
2.499		1631	1720
2.554		38836	44317
2.616		929	685
2.718		4850	9459
2.75		2122	1818
2.803		2149	2391
2.855		1011	815
2.891		723	490
2.962		38047	39664
3.026		418	427
3.061	TCX	549631	386186
3.126		782	465
3.147		3222	3148
3.206		2093	1714
3.266		7496	5405
3.336		35043	36815
3.391		6168	12118
3.521		2331	3835
3.584		4470	11092
3.688		33070	37387
3.727		2104	1045
3.785		439	397
3.819		2100	2696
3.878		1759	2555
3.946		3916	7271
4.022		34950	46316
4.126		321	143
4.201		1303	1508
4.237		3230	5050
4.308		3614	4579
4.365		44624	63408
4.48		13011	13074
4.575		2114	2367
4.607		3820	4123
4.713		38158	62243
4.789		861	909
4.832		695	641
4.916		2593	3550
4.957		814	589
4.989		2463	4027
5.075		39343	69338
5.121		1091	807
5.161		992	1654
5.216		539	333

RT A	Compound A	Height A	Area A
5.271		2119	5438
5.326		7158	7612
5.367		3669	4429
5.424		39689	76106
5.532		804	631
5.574		714	826
5.614		1542	1720
5.656		7195	11820
5.749		37180	69183
5.805		1216	996
5.834		519	321
5.857		5988	5328
5.952		384	1819
6.055		35625	68581
6.131		598	450
6.148		896	1191
6.232		4853	6585
6.297		3961	3700
6.346		32649	58699
6.403		556	332
6.477		1160	1837
6.509		880	695
6.528		727	745
6.584		469	486
6.624		28092	50909
6.685		5005	5416
6.76		633	719
6.79	DCB	2717	3235
6.838		372027	406825
6.89		24047	40754
6.956		748	746
6.989		436	336

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:23:51 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: 25PCBS17309001B.002.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.068		10759	14843
2.14		12403	41826
2.312		18061	15078
2.362		10432	27826
2.48		2217	1919
2.519		2050	1297
2.578		16476	133393
2.701		14793	28289
2.782	TCX	1022668	646364
2.88		2900	4087
2.958		1300	2003
3.007		13925	10066
3.061		1099	392
3.072		1094	711
3.096		2843	1983
3.111		653	125
3.124		2327	1466
3.157		1210	354
3.17		1026	460
3.192		782	362
3.199		449	118
3.212		1084	167
3.223		3008	3127
3.248		622	137
3.253		656	159
3.263		599	179
3.314		3074	8860
3.322		1142	366
3.33		1679	660
3.345		734	123
3.353		628	91
3.364		635	115
3.398		16093	23741
3.45		944	311
3.459		720	162
3.477		5752	3432
3.505		1710	825
3.52		1045	167
3.529		1100	281
3.547		7416	4671
3.592		4120	8309
3.613		1236	266
3.625		1202	430
3.642		869	507
3.658		836	178
3.673		891	324
3.686		3138	2722
3.705		685	111
3.716		557	174
3.731		418	308
3.754		2343	2222
3.778		848	174
3.791		1567	739
3.811		16002	23146

RT B	Compound B	Height B	Area B
3.862		6202	7672
3.906		7738	11816
3.972		2438	1543
4.083		16739	31514
4.163		32016	69511
4.207		2278	2343
4.306		26559	20982
4.369		12077	18778
4.448		5309	24632
4.473		4979	6898
4.58		2412	2788
4.653		8434	26264
4.75		3405	26030
4.786		1956	1725
4.823		1053	217
4.841		3869	3501
4.891		4014	5310
4.938		18306	58535
5.041		17759	62228
5.104		1325	1054
5.183		1273	500
5.264		11080	27476
5.338		16159	38582
5.385		2357	2323
5.412		1842	726
5.461		8243	7771
5.495		3831	3355
5.565		6415	9098
5.644		12527	45200
5.701		727	484
5.751		1345	999
5.799		5078	4644
5.913		3299	11916
5.953		1341	405
5.974		1458	532
6.016		1790	1699
6.099		13261	48687
6.181		7942	23401
6.222		5137	7650
6.349		1389	496
6.389	DCB	516804	460210
6.44		3970	8441
6.5		1587	1300
6.543		1146	304
6.69		1731	4311
6.722		1255	383
6.731		1077	793
6.85		712	397
6.887		7549	6606
6.936		738	1189
6.969		1241	738

CONDITIONER AA MISC 1730899999 SW-846 8082

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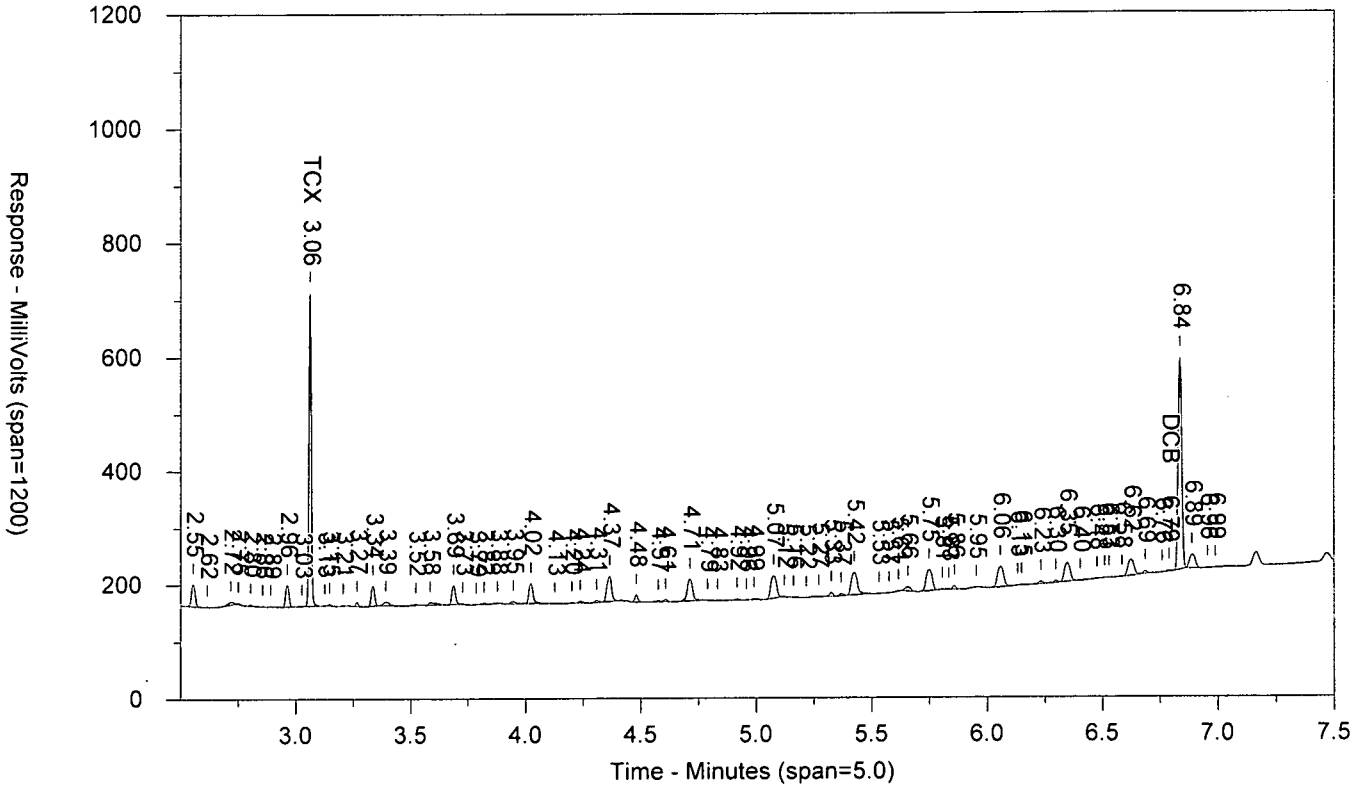

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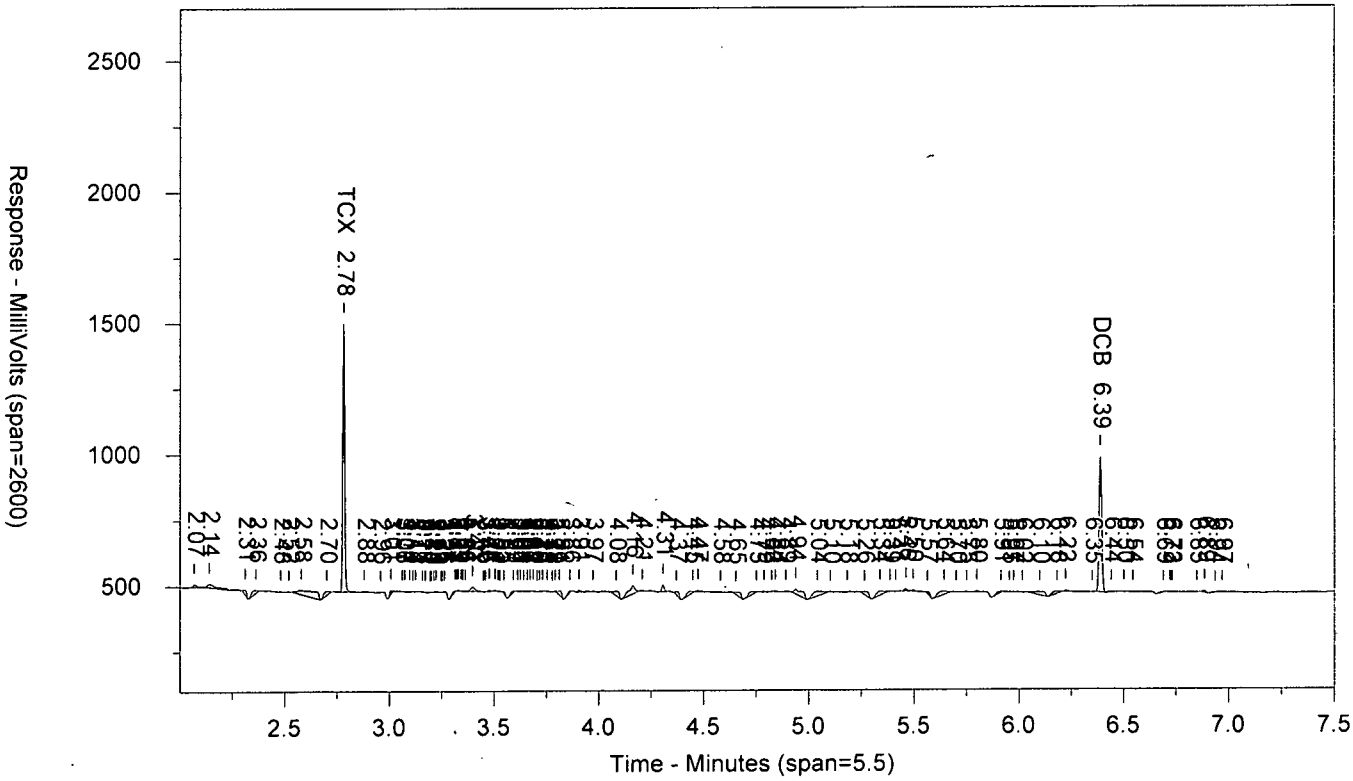

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:23:51 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
3.061	549631	8.212	TCX	2.782	1022668		TCX
6.79	2717	6.194	DCB	6.389	516804	4024.558	DCB

Files:
Area File: 25PCBS17309001.002.RAW
Area File: 25PCBS17309001B.002.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 6:32:23 PM
File Reported On: 11/7/2017 at 11:52:18 AM

CONDITIONER AA MISC 1730899999 SW-846 8082

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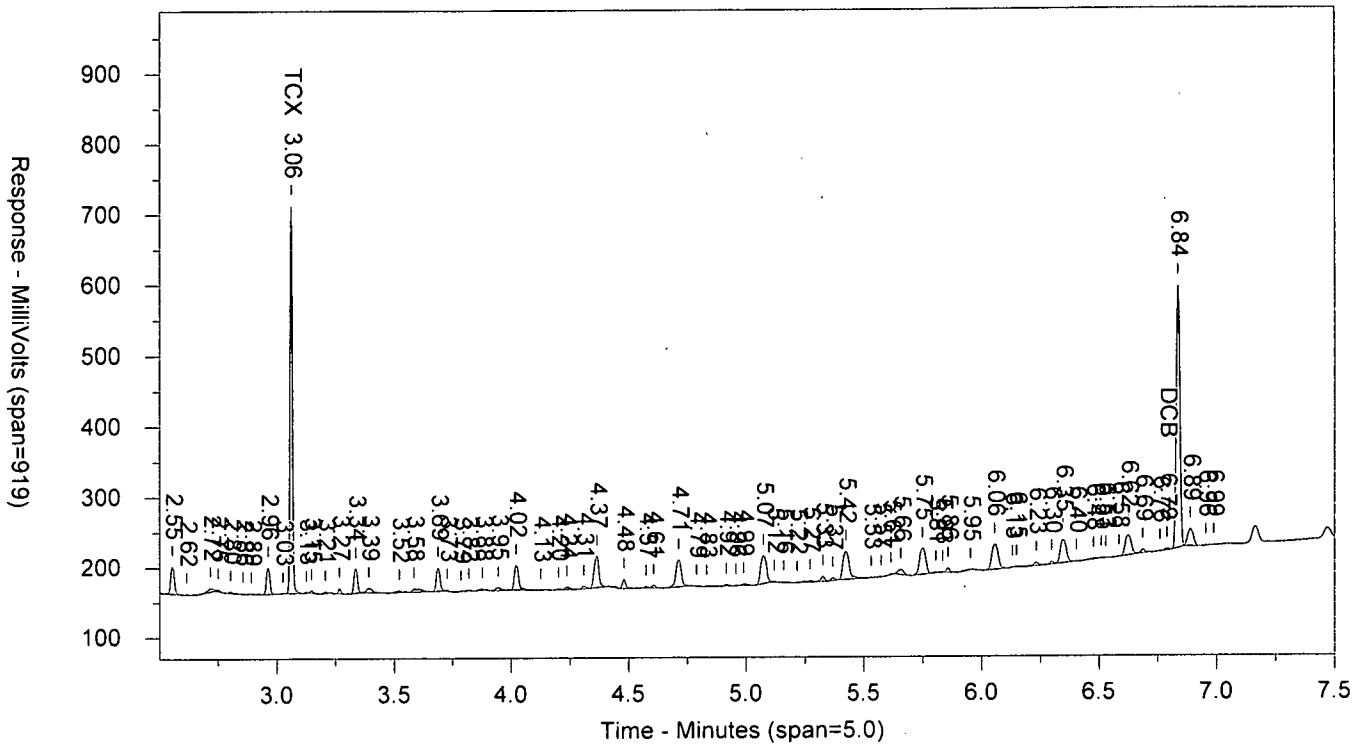

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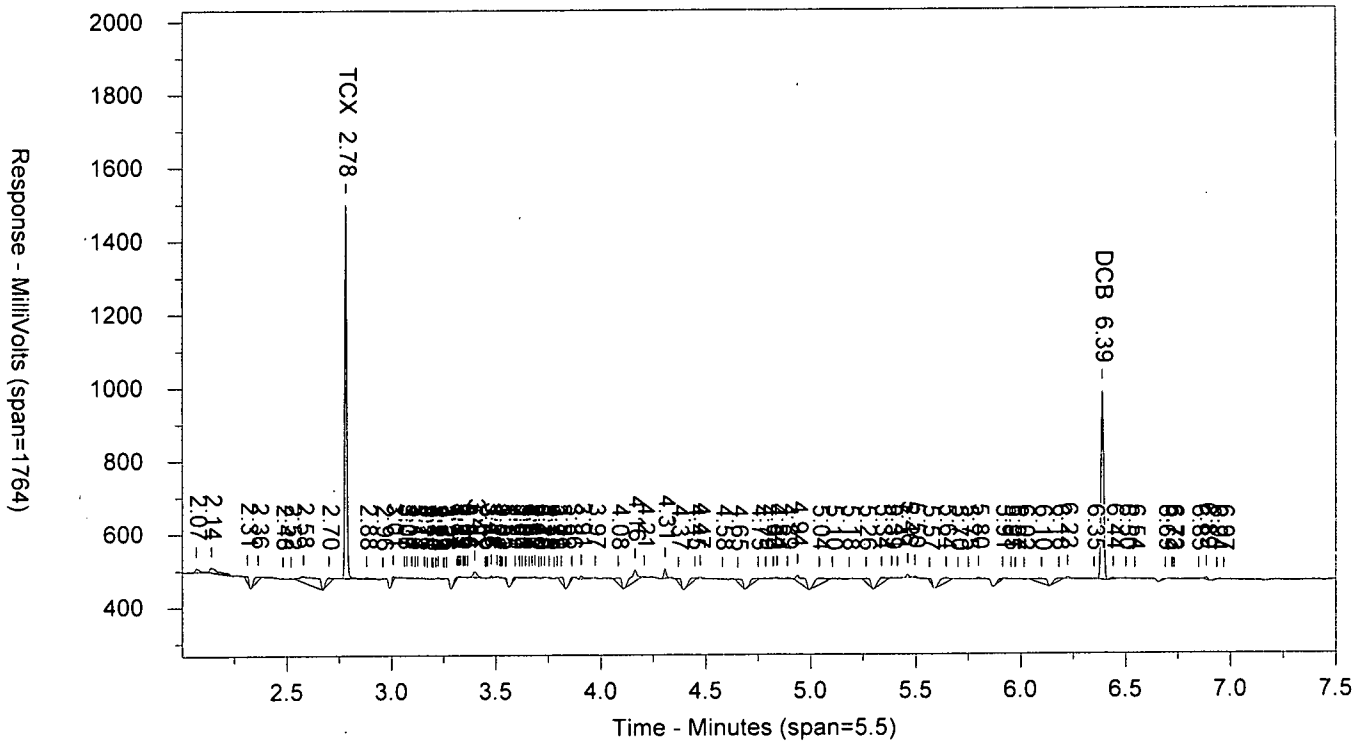

CONDITIONER AA MISC 1730899999 SW-846 8082

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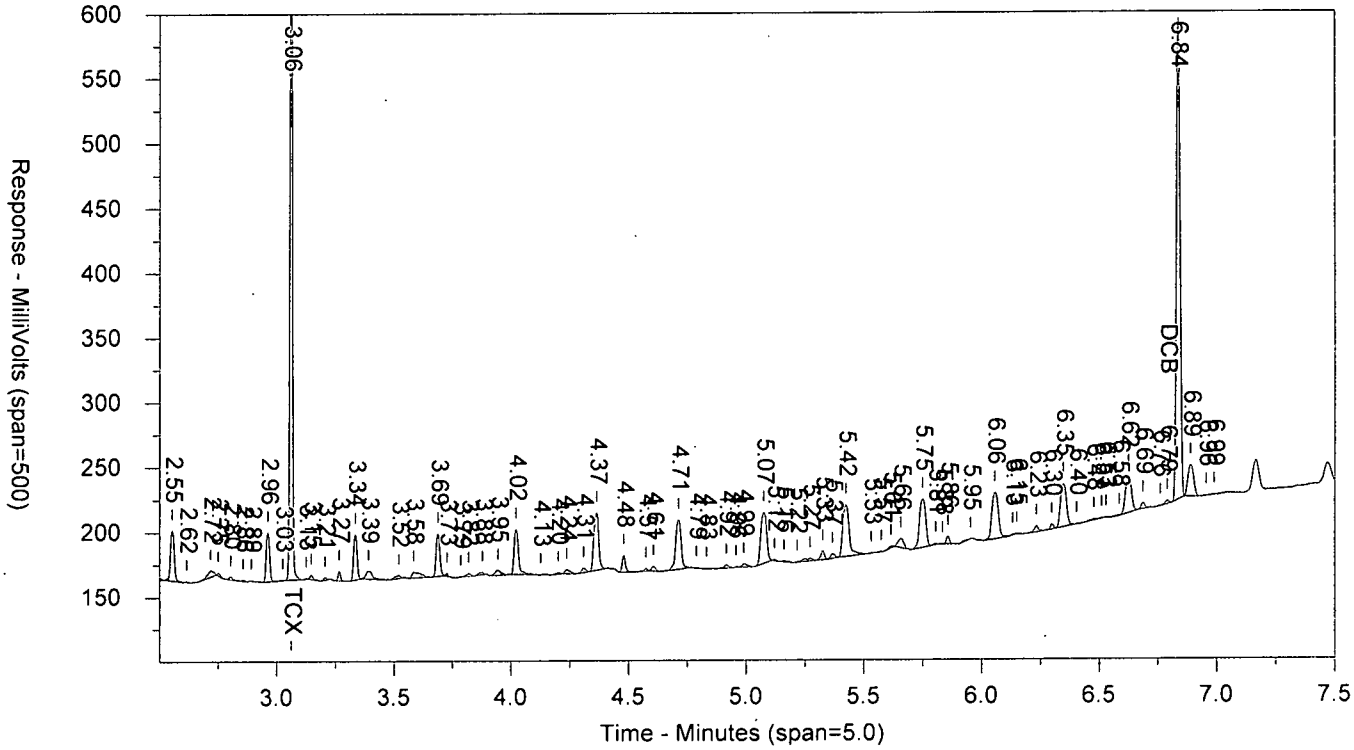

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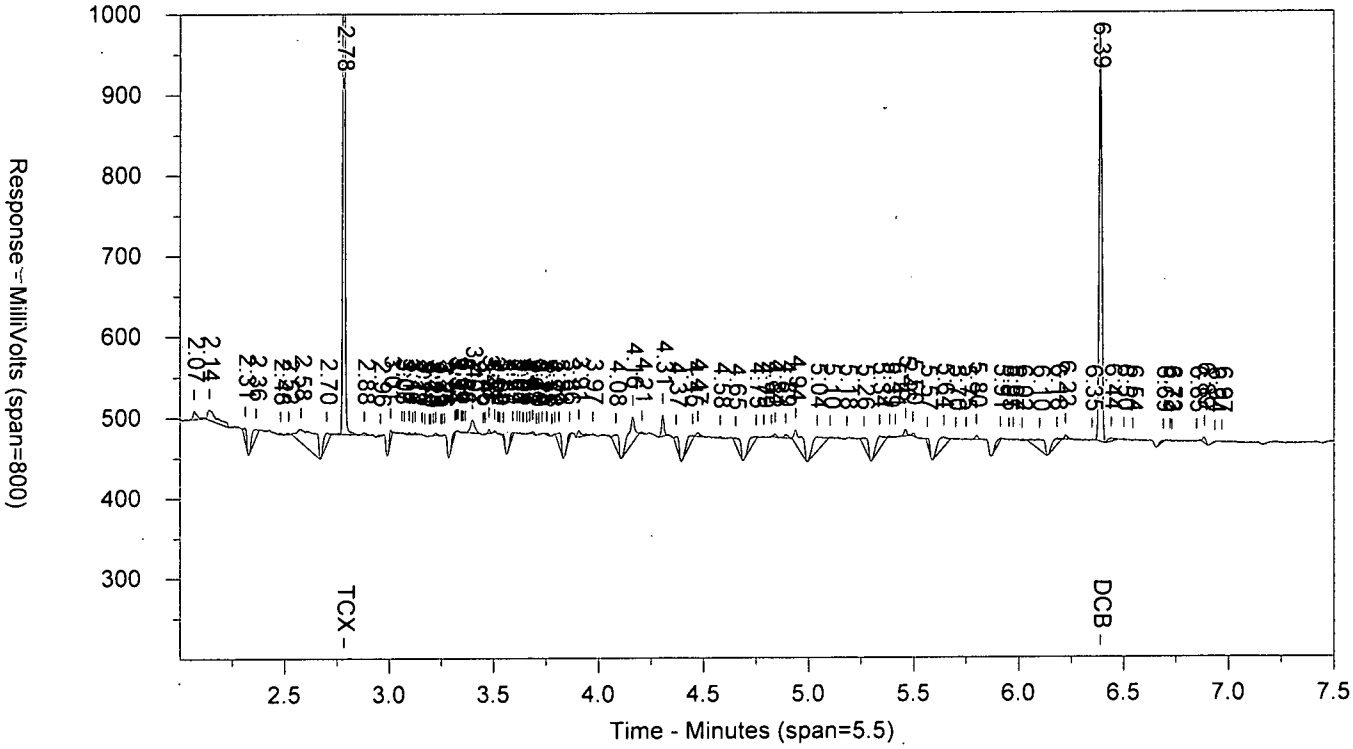

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:35:08 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: 25PCBS17309001.003.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.071		2235	1858
2.095		55871	93527
2.164		4106	2793
2.21		13872	18390
2.263		1348	693
2.281		5401	4154
2.32		8181	5941
2.345		886	355
2.361		8964	7560
2.437		6410	5960
2.492		2223	2146
2.552		48605	69310
2.611		1496	1044
2.644		671	398
2.697		2642	1602
2.715		3823	2233
2.729		1518	665
2.748		8159	5951
2.799		14789	14271
2.855		2770	1921
2.891		1792	2566
2.959		50215	66069
3.025		871	675
3.059	TCX	651272	454706
3.119		5290	2972
3.143		12602	10761
3.211		38887	53939
3.269		35760	28234
3.319		195877	176581
3.389		4030	4924
3.414		23412	14093
3.495		1554	1283
3.51		6842	4507
3.538		165575	99039
3.556		75186	45963
3.593		18286	9367
3.61		6907	3175
3.625		9243	4418
3.657		200732	207954
3.715		1438	555
3.733		9126	5688
3.77		42306	23414
3.785		21671	10879
3.831		102106	54292
3.843		159109	87052
3.883		191971	153593
3.927		4209	3945
3.945		163267	126379
3.986		6445	3336
4.013		153216	135697
4.041		86306	83674
4.064		22948	11538
4.143		133582	99929
4.169		48188	31391

RT A	Compound A	Height A	Area A
4.2		51610	36421
4.237		135408	160013
4.28		51031	67160
4.357		55780	96600
4.402		138953	104719
4.422		38569	21969
4.447		36749	25616
4.469		10689	7409
4.517		18505	14746
4.561		137251	126275
4.595		18855	17514
4.671		7639	8068
4.702		64678	83084
4.76		18349	11694
4.776		36438	24494
4.823		86345	75877
4.871		123651	140459
4.909		37707	26959
4.949		260735	247014
4.978		4192	9297
5.044		49052	51965
5.067		7286	7746
5.099		47547	40322
5.152		262194	206761
5.171		49127	28601
5.204		72196	63281
5.245		170250	183211
5.29		1961	1289
5.323		38558	47124
5.359		362770	346668
5.383		11278	4567
5.401		10564	5890
5.424		187399	171664
5.466		122164	111143
5.516		1236	1050
5.565		24216	23072
5.587		199776	174177
5.645		118453	107905
5.685		58166	49700
5.729		33622	42365
5.768		62462	59492
5.824		506153	508524
5.916		2611	2945
5.941		1876	1670
5.995		643	631
6.033		325191	324589
6.067		9278	9588
6.086		47997	44280
6.119		14083	21018
6.221		11119	14059
6.285		8808	8179
6.31		64131	122883
6.431		10785	14309
6.466		142442	137441
6.511		9848	9221
6.605		33822	69845
6.671		42328	42708
6.726		11255	18651
6.774		6268	6537
6.822	DCB	456932	451612
6.866		28298	50791
6.925		7758	11849

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:35:08 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: 25PCBS17309001B.003.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.004		1368	701
2.032		2237	1920
2.069		14185	24699
2.142		23632	32086
2.181		4061	4627
2.262		2278	2454
2.362		13624	34376
2.461		8078	11169
2.501		5669	7184
2.572		17099	33572
2.611		4494	5057
2.644		21006	29865
2.699		15636	32535
2.782	TCX	1149904	712798
2.825		36904	33390
2.871		10710	14713
2.954		86485	99928
3.016		78679	94994
3.07		274380	176142
3.103		1222	285
3.124		6150	10014
3.164		5821	2975
3.184		45521	29955
3.219		13804	16262
3.259		24057	27782
3.281		168064	85150
3.293		93613	41157
3.334		39330	26068
3.357		21629	12516
3.383		20362	10865
3.408		309629	215049
3.445		14992	8178
3.463		2348	855
3.491		69043	38541
3.507		43386	23482
3.535		10409	5095
3.56		110433	58092
3.57		295697	143055
3.591		16448	6321
3.605		272733	195862
3.643		1056	130
3.659		1001	466
3.683		293044	197893
3.717		206820	127534
3.742		229120	134260
3.761		67899	36949
3.779		5597	20181
3.851		251406	180780
3.876		87338	52271
3.899		94045	60718
3.931		82788	46812
3.949		188200	116209
3.994		77916	59344
4.034		16181	15350

RT B	Compound B	Height B	Area B
4.065		57318	39962
4.088		184209	122931
4.116		52441	33540
4.137		6700	3223
4.155		46163	32024
4.193		206281	152099
4.231		13212	9083
4.249		29581	18540
4.298		23163	16406
4.317		3486	1955
4.339		34910	54925
4.409		56267	49642
4.456		49133	29156
4.473		41160	19419
4.487		132278	77657
4.515		83831	86850
4.569		427452	351020
4.614		19861	16914
4.641		42113	31740
4.667		66353	43841
4.712		438026	380325
4.822		407844	392005
4.879		53435	50216
4.917		106286	97726
4.954		452314	383096
4.989		183479	144863
5.029		143454	114545
5.095		2884	3223
5.133		60391	61254
5.185		314228	253261
5.21		44351	29787
5.259		175048	156407
5.296		61154	47760
5.322		60262	52646
5.356		19850	11597
5.377		650736	538725
5.418		14812	10564
5.454		34040	29529
5.487		3026	2803
5.571		2494	1511
5.592		129198	108004
5.637		430828	463206
5.743		3369	5070
5.794		13768	12399
5.829		20434	16287
5.865		5757	5682
5.91		88771	84533
5.954		1561	1005
5.988		964	256
6.013		183042	156289
6.045		10087	7835
6.174		9921	40970
6.216		54535	51766
6.265		2049	1357
6.331		4073	11200
6.381	DCB	515534	467933
6.413		1481	569
6.477		1027	2057
6.671		4314	12057
6.742		1514	2151
6.812		793	364
6.837		10049	16541
6.907		1399	1740
6.926		1325	548
6.942		1517	606

CONDITIONER AA MISC 1730899999 SW-846 8082

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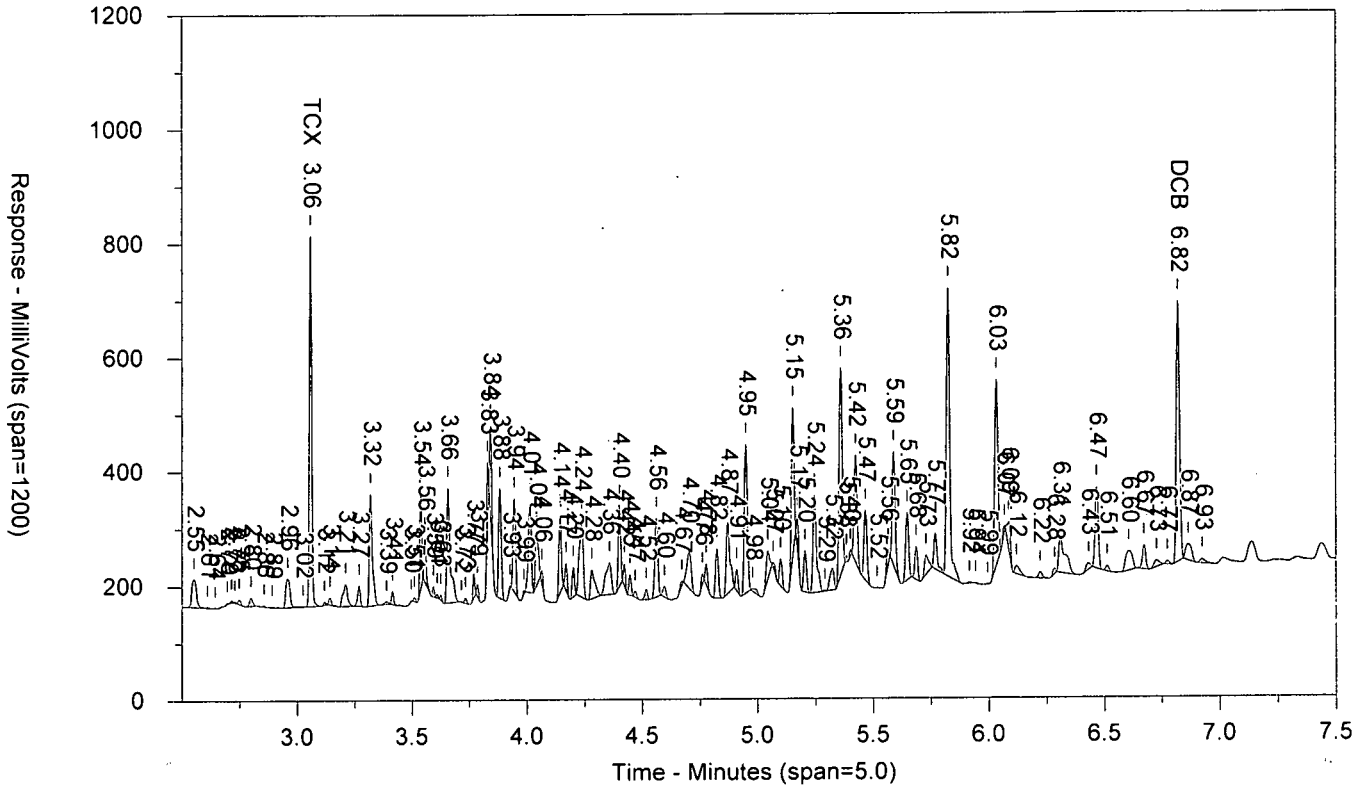

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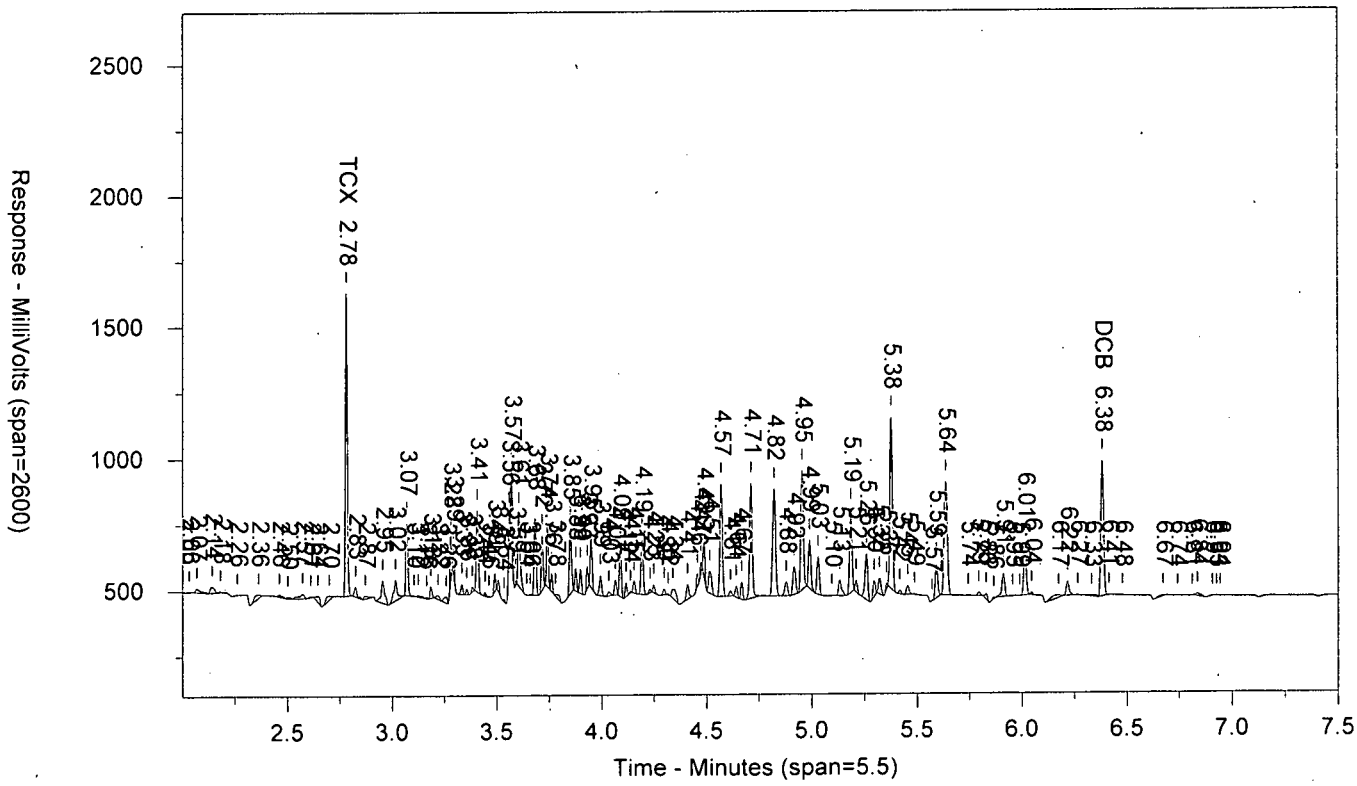

LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:35:08 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
3.059	651272	9.73	TCX	2.782	1149904		TCX
6.822	456932	1041.492	DCB	6.381	515534	4014.674	DCB

Files:
Area File: 25PCBS17309001.003.RAW
Area File: 25PCBS17309001B.003.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 6:43:38 PM
File Reported On: 11/7/2017 at 11:52:44 AM

CONDITIONER AA MISC 1730899999 SW-846 8082

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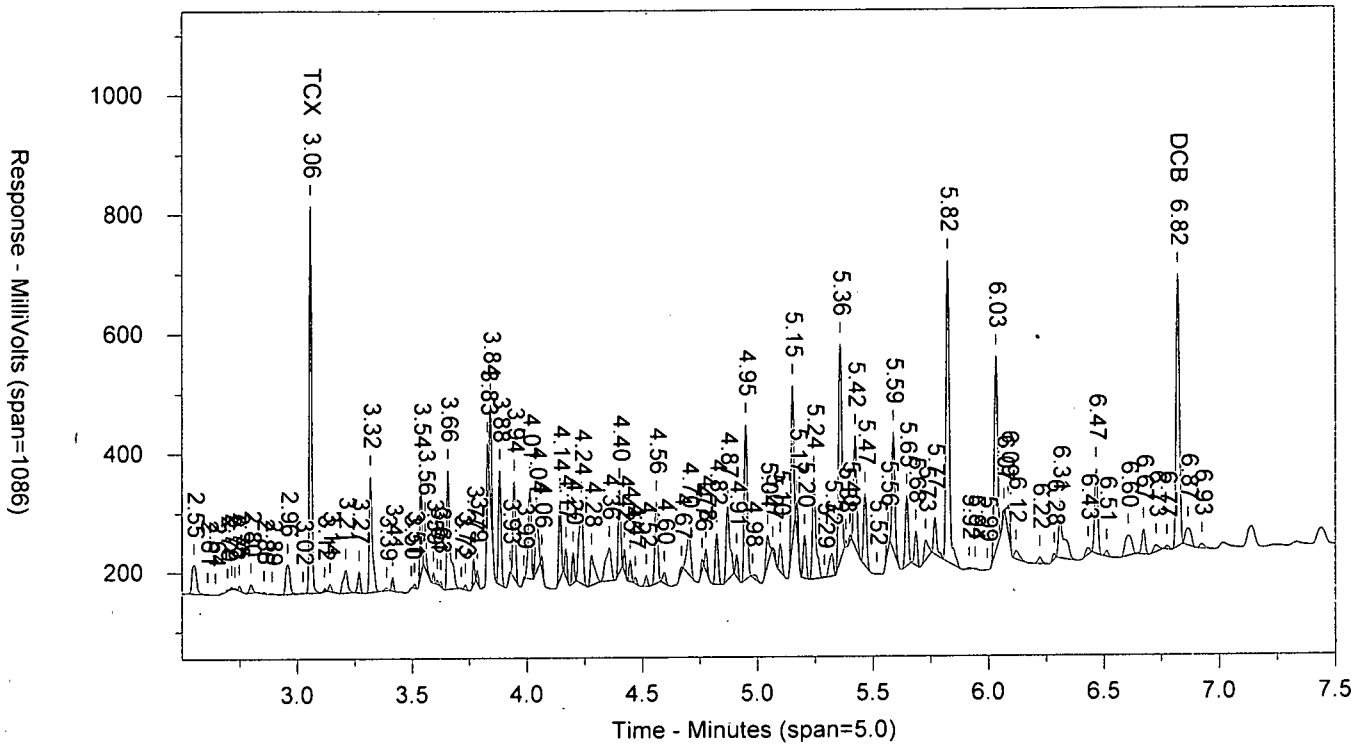

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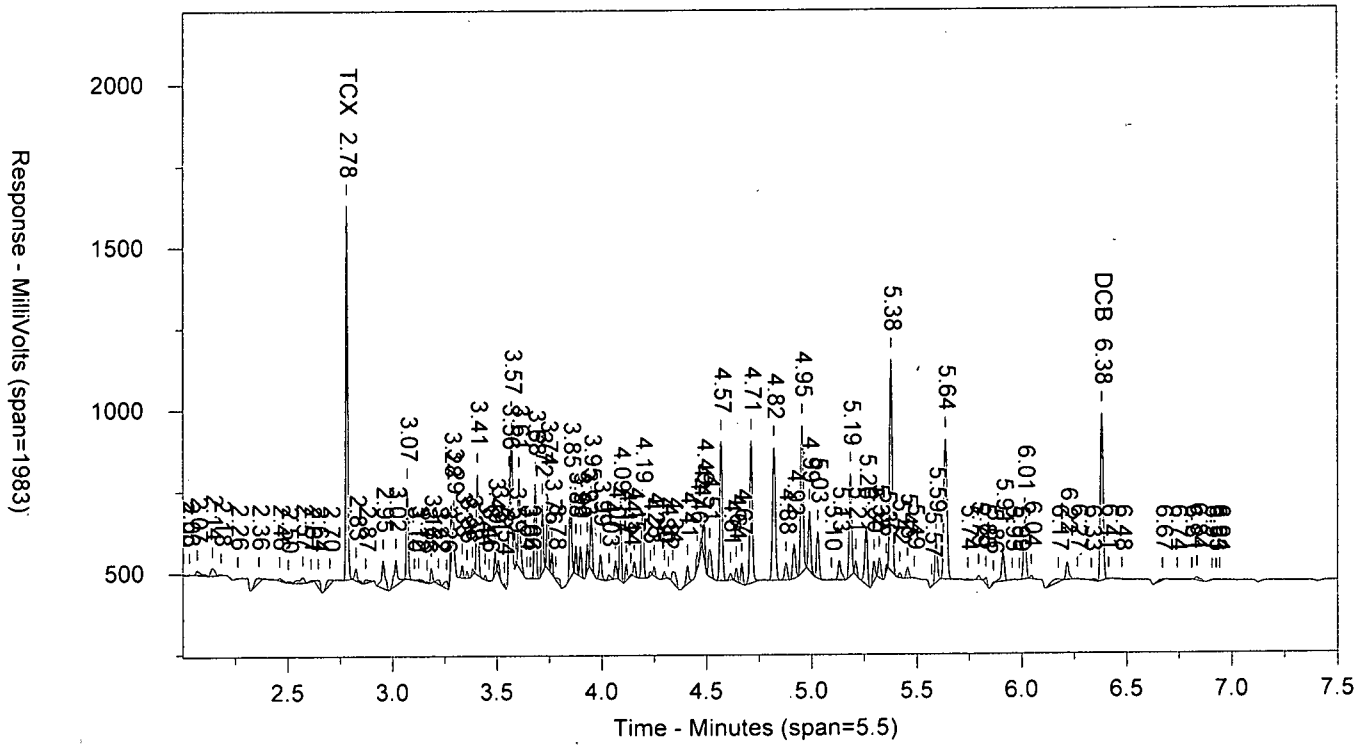

CONDITIONER AA MISC 1730899999 SW-846 8082

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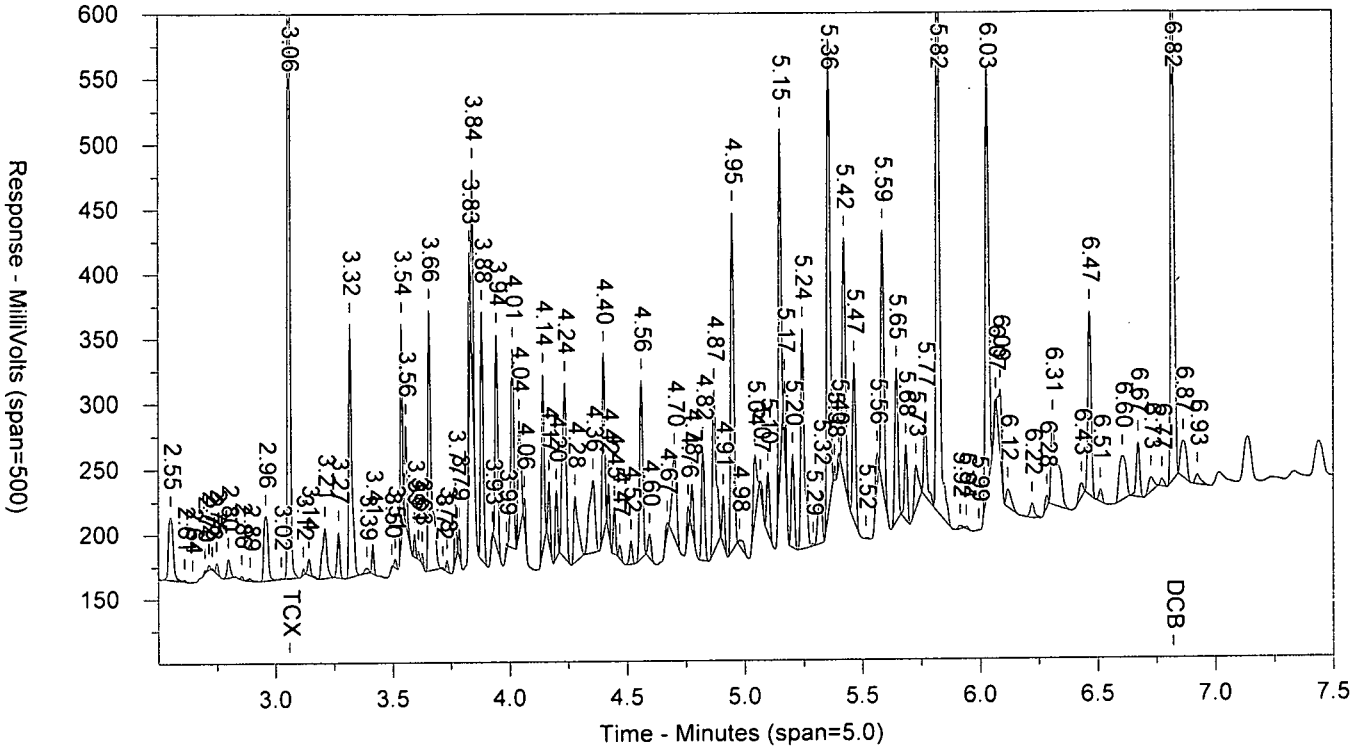

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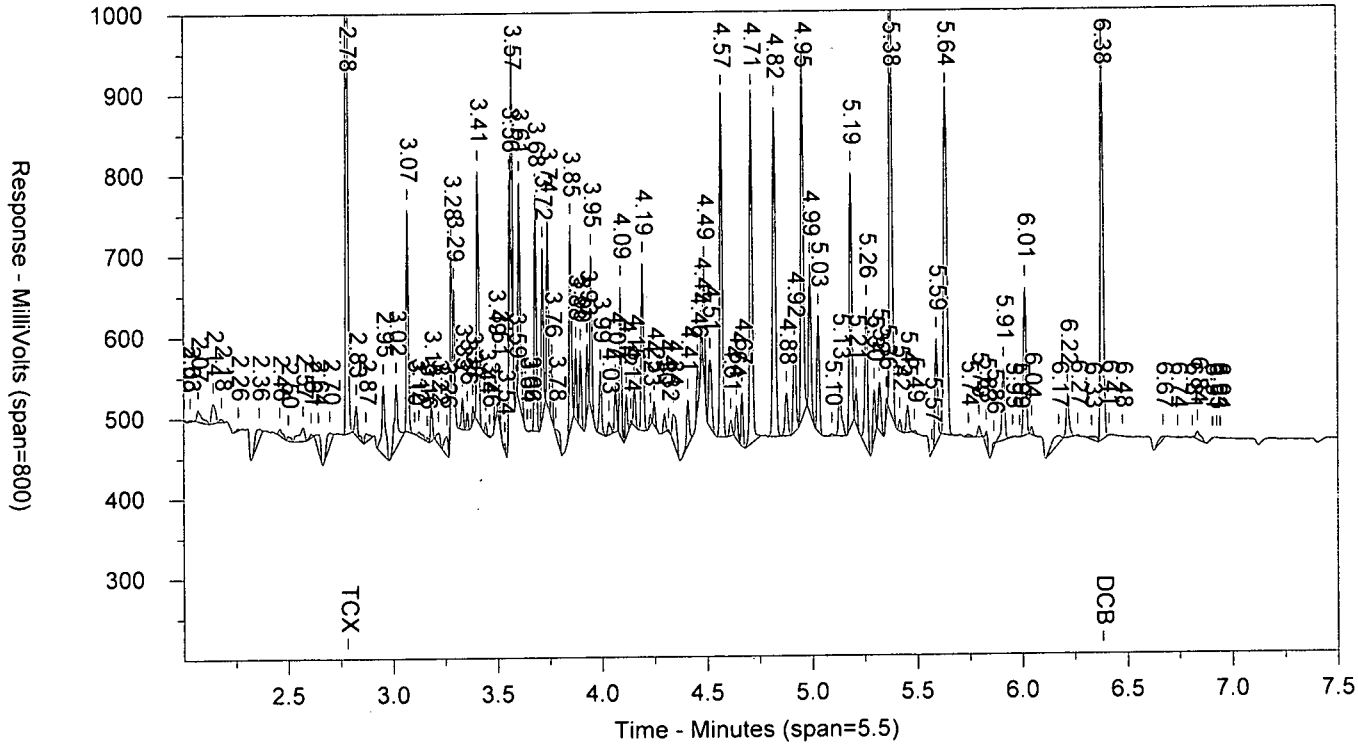


LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:46:22 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: 25PCBS17309001.004.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.028		1167	1201
2.072		1493	859
2.097		50865	68998
2.164		1918	1219
2.21		7909	11468
2.281		4204	5381
2.319		4395	3716
2.347		1104	503
2.362		5334	4782
2.436		4076	2859
2.456		1224	768
2.496		1565	1348
2.552		43889	53401
2.609		1135	1039
2.715		2611	2273
2.749		4297	3350
2.799		8350	9890
2.853		947	603
2.886		933	770
2.959		44731	49932
3.018		772	1220
3.058	TCX	586992	404289
3.12		2514	1404
3.142		7140	6044
3.198		9146	7023
3.261		8250	5618
3.327		42576	48258
3.385		5575	8966
3.508		8074	13720
3.568		15381	28057
3.673		41011	50796
3.712		2270	1604
3.766		655	641
3.808		3872	4414
3.86		6358	8538
3.883		1845	1115
3.924		16330	23427
4.005		41875	59461
4.129		823	1195
4.184		2335	2054
4.22		6735	8110
4.289		15703	20370
4.351		52633	84423
4.421		831	1213
4.467		17207	18339
4.535		1409	950
4.563		1284	807
4.59		8328	8925
4.697		44969	104876
4.77		1058	872
4.901		3509	5900
4.974		7669	11648
5.06		46411	93087
5.109		1877	1156

RT A	Compound A	Height A	Area A
5.235		884	1233
5.261		2456	2241
5.314		8099	8049
5.354		7888	9624
5.408		43264	119699
5.521		943	913
5.572		639	555
5.604		3067	4239
5.646		6039	8198
5.735		38482	80551
5.788		12725	21728
5.845		6996	6431
5.916		3071	5465
5.987		469	246
6.042		39754	82056
6.116		13946	30688
6.217		5126	6510
6.284		3496	2974
6.328		30661	56573
6.383		1178	1030
6.428		7266	12583
6.489		1946	2931
6.601		32908	64954
6.665		3980	3352
6.723		6043	9338
6.767		4055	4745
6.815	DCB	416205	404087
6.86		26931	46757
6.921		2779	4353

LANCASTER LABORATORIES

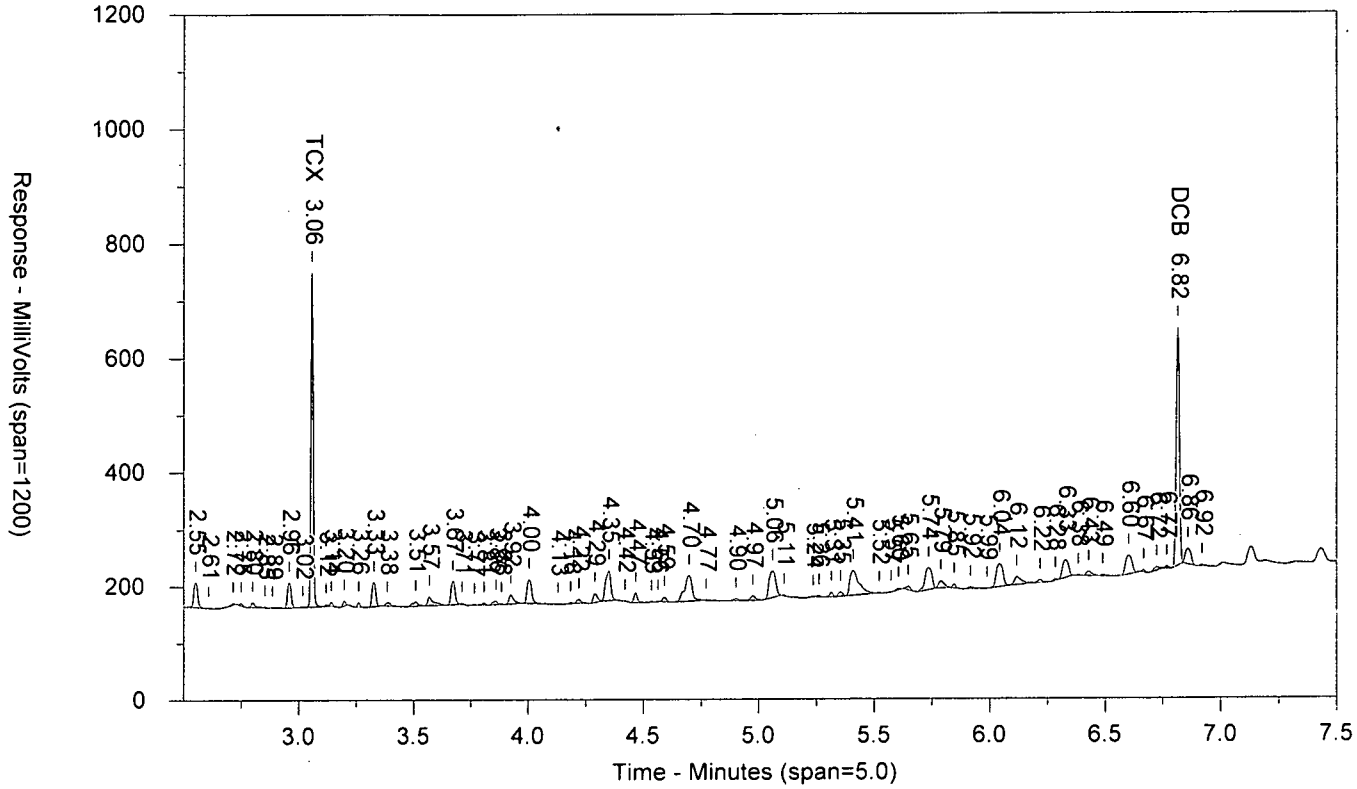
Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:46:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17309001B.004.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.031		2412	1854
2.07		11513	19759
2.141		13185	19506
2.307		12207	11722
2.357		28901	132624
2.503		2856	3337
2.576		8199	17471
2.62		13392	60602
2.704		18448	51885
2.782	TCX	1060838	664776
2.845		2710	2351
2.878		6385	8310
2.966		23585	49166
3.005		26245	26382
3.066		385	120
3.108		721	110
3.122		2435	1410
3.14		2399	2290
3.165		4217	2667
3.188		2319	1316
3.2		603	132
3.215		516	603
3.258		21421	28409
3.305		2279	6897
3.319		1636	668
3.33		1223	259
3.354		1133	240
3.362		701	104
3.37		856	222
3.377		677	132
3.394		14302	16684
3.433		1281	456
3.447		1113	315
3.472		1576	969
3.479		749	89
3.486		1050	241
3.499		6869	10852
3.536		10635	5067
3.583		4875	10820
3.589		918	254
3.602		1109	215
3.625		836	346
3.649		515	122
3.657		852	276
3.665		605	110
3.673		2143	1646
3.702		502	150
3.724		3694	4250
3.767		896	953
3.783		1089	679
3.867		9698	37108
3.896		6637	8365
3.962		3184	1843
4.006		4535	9051

RT B	Compound B	Height B	Area B
4.068		21182	33807
4.127		3544	7244
4.151		28689	27833
4.194		2893	3097
4.234		2183	2017
4.295		37518	41862
4.355		19202	20369
4.44		2548	25125
4.459		3892	3630
4.48		1516	648
4.528		1250	1331
4.612		10054	48183
4.703		4900	8783
4.726		1246	825
4.744		1552	1100
4.777		1893	1574
4.828		4920	4533
4.861		1165	490
4.877		3529	4385
4.929		18606	43868
5.011		12792	19432
5.079		769	4192
5.093		1320	1218
5.129		2428	2343
5.188		1949	3347
5.25		10868	19604
5.325		15586	36190
5.387		976	3175
5.403		1255	999
5.452		8355	7583
5.487		3841	3294
5.613		16516	37720
5.687		1029	883
5.705		1571	1290
5.738		1702	1067
5.794		11616	46827
5.897		2314	14495
5.909		2737	1503
6.025		1333	1526
6.167		10892	37975
6.213		5170	6764
6.377	DCB	455020	419684
6.414		2360	2698
6.468		1004	1025
6.514		1065	605
6.667		4525	11904
6.742		1017	642
6.775		1162	756
6.848		3986	5175
6.93		4600	17550

CONDITIONER AA MISC 1730899999 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.004.RAW



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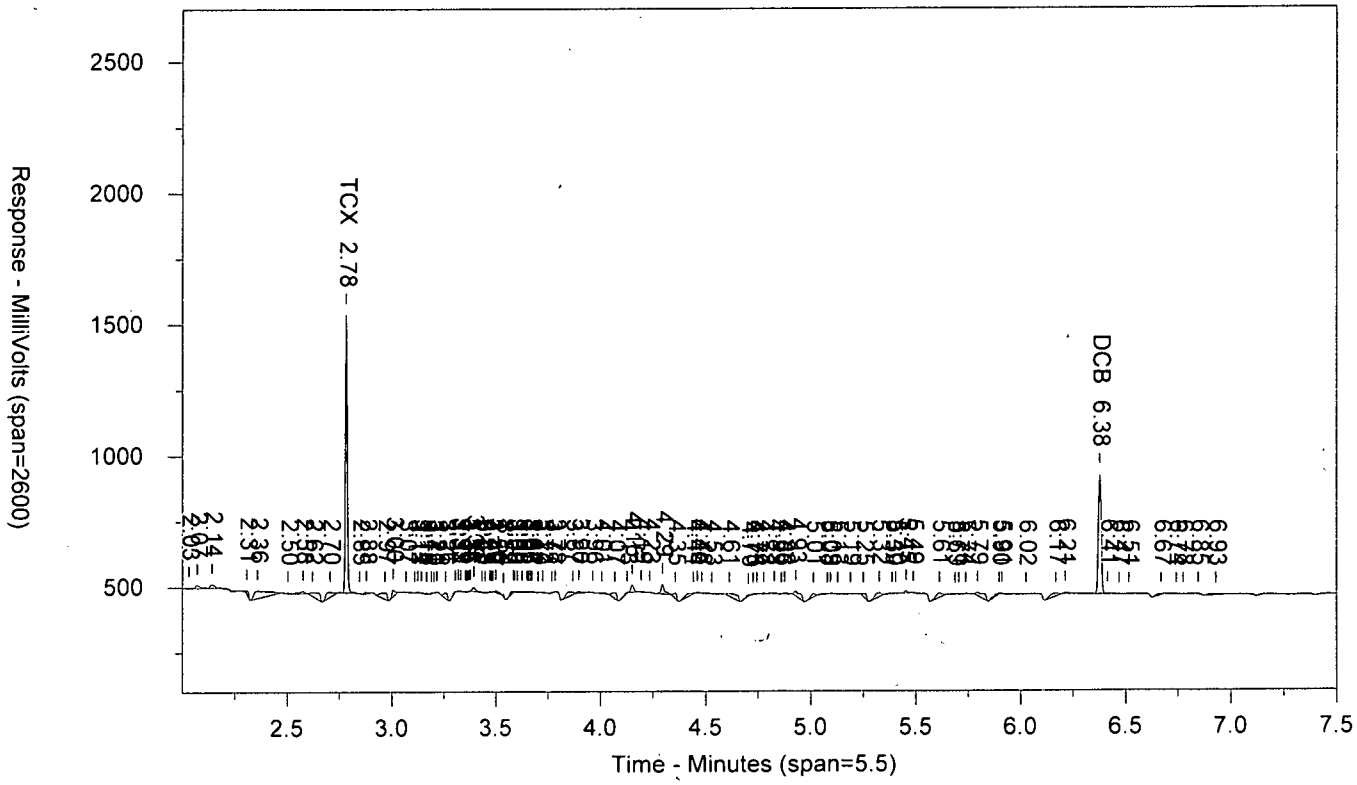


LANCASTER LABORATORIES

Sample Number: CONDITIONER AA MISC 1730899999 SW-846 8082
Injected On: 11/5/2017 6:46:22 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

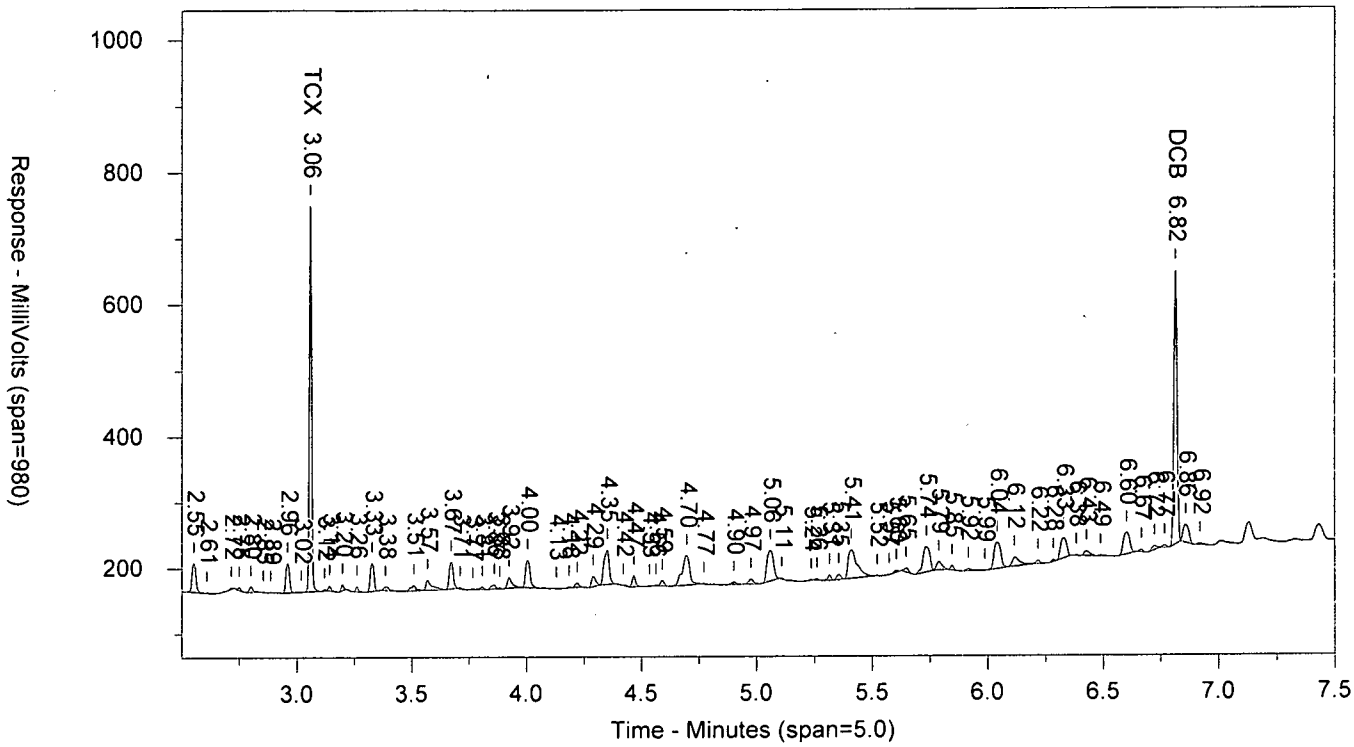
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	586992	8.77	TCX	2.782	1060838		TCX
6.815	416205	948.663	DCB	6.377	455020	3543.427	DCB

Files:
Area File: 25PCBS17309001.004.RAW
Area File: 25PCBS17309001B.004.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 6:54:55 PM
File Reported On: 11/7/2017 at 11:53:13 AM

CONDITIONER AA MISC 1730899999 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.004.RAW



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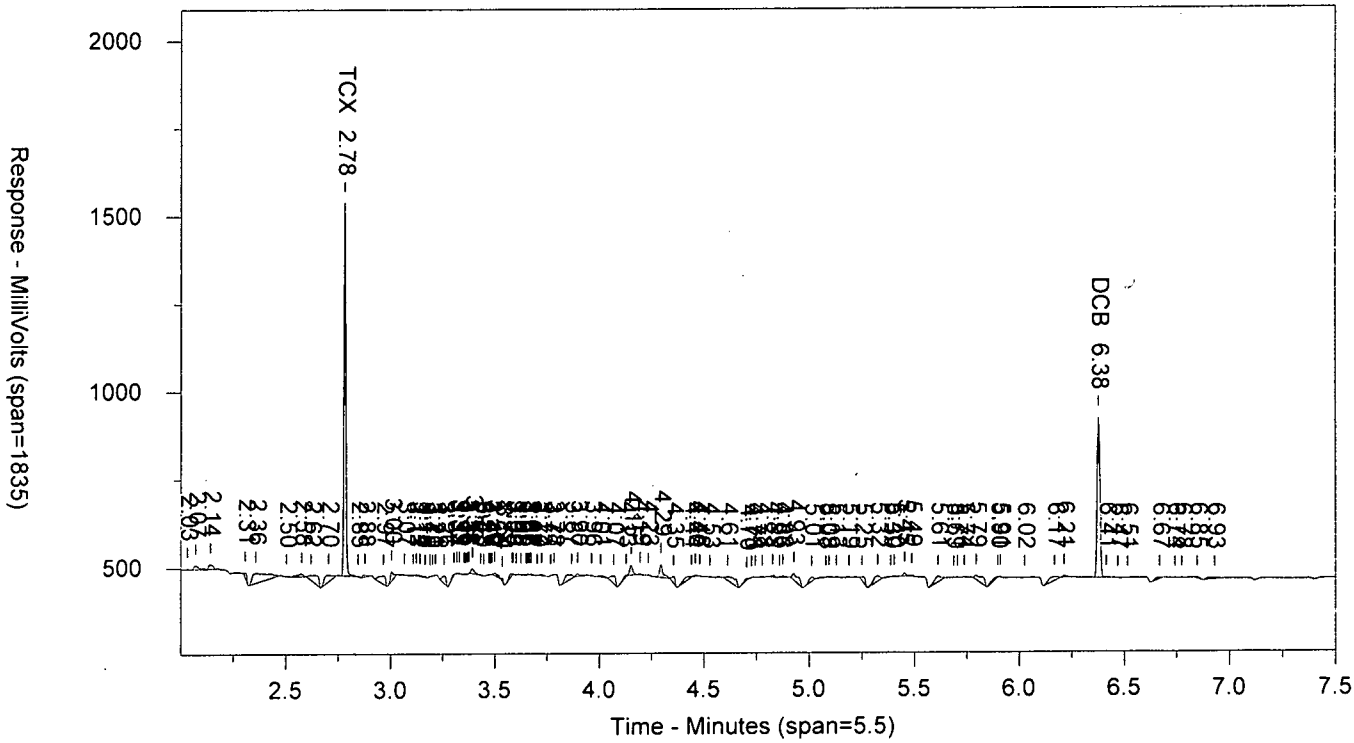

CONDITIONER AA MISC 1730899999 SW-846 8082

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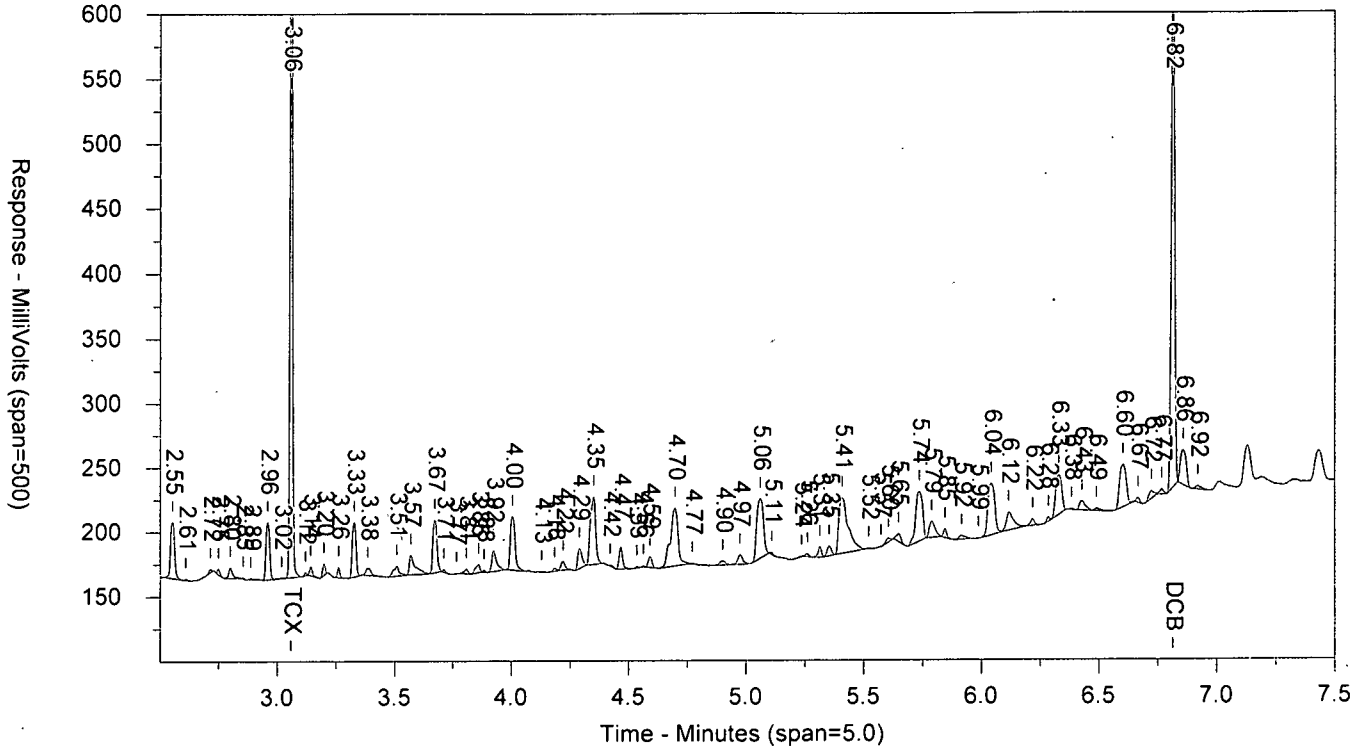

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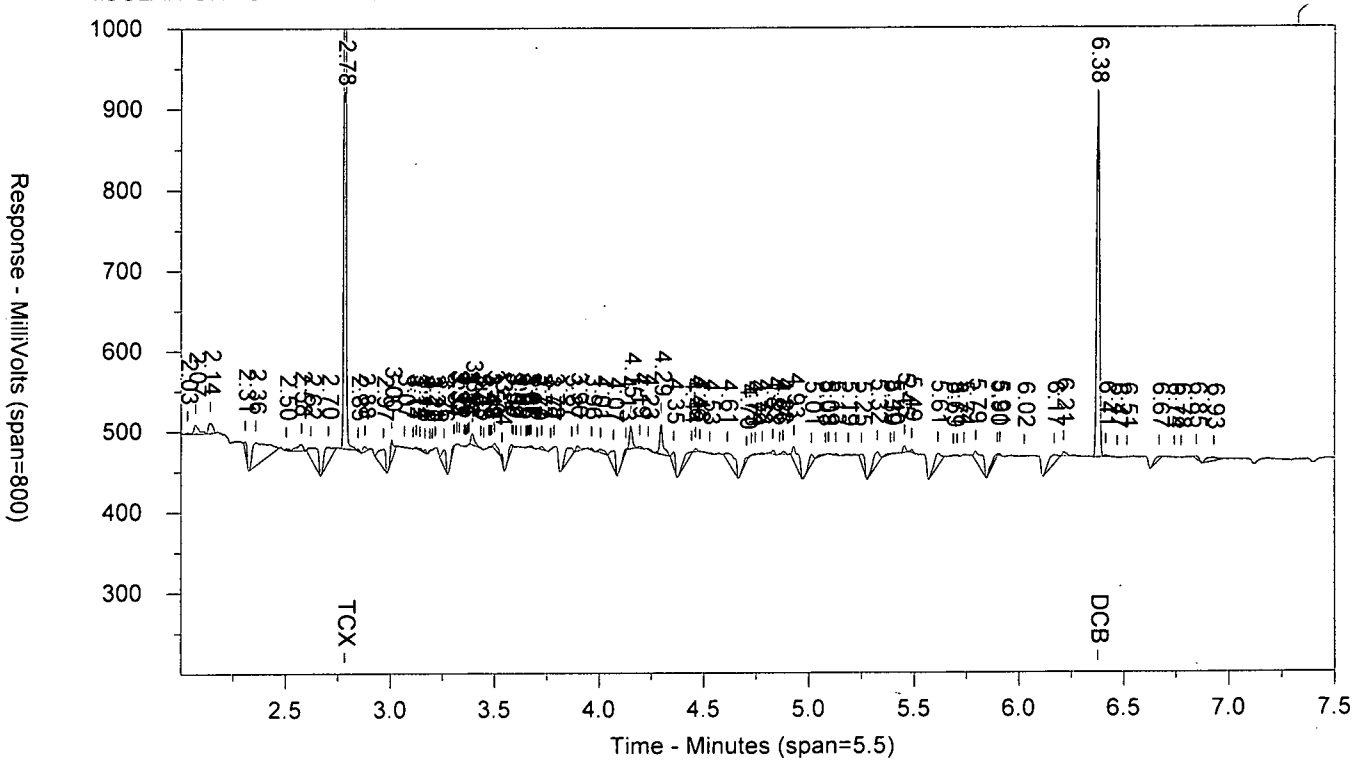


LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082
Injected On: 11/5/2017 6:57:39 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: 25PCBS17309001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.026		1149	1506
2.096		13362	14116
2.148		1066	1027
2.21		8370	13152
2.279		3887	9282
2.346		12642	12169
2.436		20438	12466
2.458		4721	3553
2.497		1710	1809
2.532		657	263
2.554		12233	9946
2.613		963	1008
2.72		3456	8093
2.801		1203	1408
2.899		14175	12671
2.961		11970	10283
3.003		310	142
3.059	TCX	2832483	1821992
3.144		1501	1702
3.204		869	748
3.221		990	1043
3.261		35155	23270
3.329		14000	12682
3.394		9001	10761
3.413		1142	993
3.496		618	660
3.513		914	648
3.597		3393	8797
3.655		1486	886
3.675		12880	12213
3.712		10772	7708
3.807		4897	5105
3.86		1027	1132
3.883		1658	1161
3.938		3728	5959
3.982		1365	675
4.007		14709	15196
4.076		783	782
4.123		1197	1232
4.179		1523	1773
4.232		5795	7069
4.277		645	277
4.293		1365	1259
4.352		33758	42572
4.42		2372	2507
4.465		18483	19085
4.556		3322	6595
4.617		403	204
4.651		1019	713
4.7		24647	30901
4.758		677	441
4.773		1766	993
4.904		3147	4075
4.983		1460	2825

RT A	Compound A	Height A	Area A
5.068		28297	45777
5.108		2596	2126
5.168		1408	1168
5.199		1527	1500
5.233		999	776
5.257		3115	3199
5.313		36931	34707
5.358		1841	2419
5.411		24743	35121
5.498		577	210
5.55		467	184
5.607		762	1020
5.644		7738	13442
5.739		24068	44083
5.792		647	460
5.818		539	253
5.843		34693	33214
5.906		856	442
5.941		689	924
6.045		22598	37158
6.099		448	357
6.138		594	968
6.149		683	220
6.183		674	940
6.217		14875	14001
6.281		15683	13179
6.301		1542	676
6.332		14379	18684
6.374		3259	6970
6.505		1076	3488
6.542		531	604
6.562		325	258
6.602		17312	25282
6.662		16090	16520
6.737		477	225
6.769		1670	2107
6.812	DCB	1574907	1615909
6.86		13139	17577
6.986		759	209

LANCASTER LABORATORIES

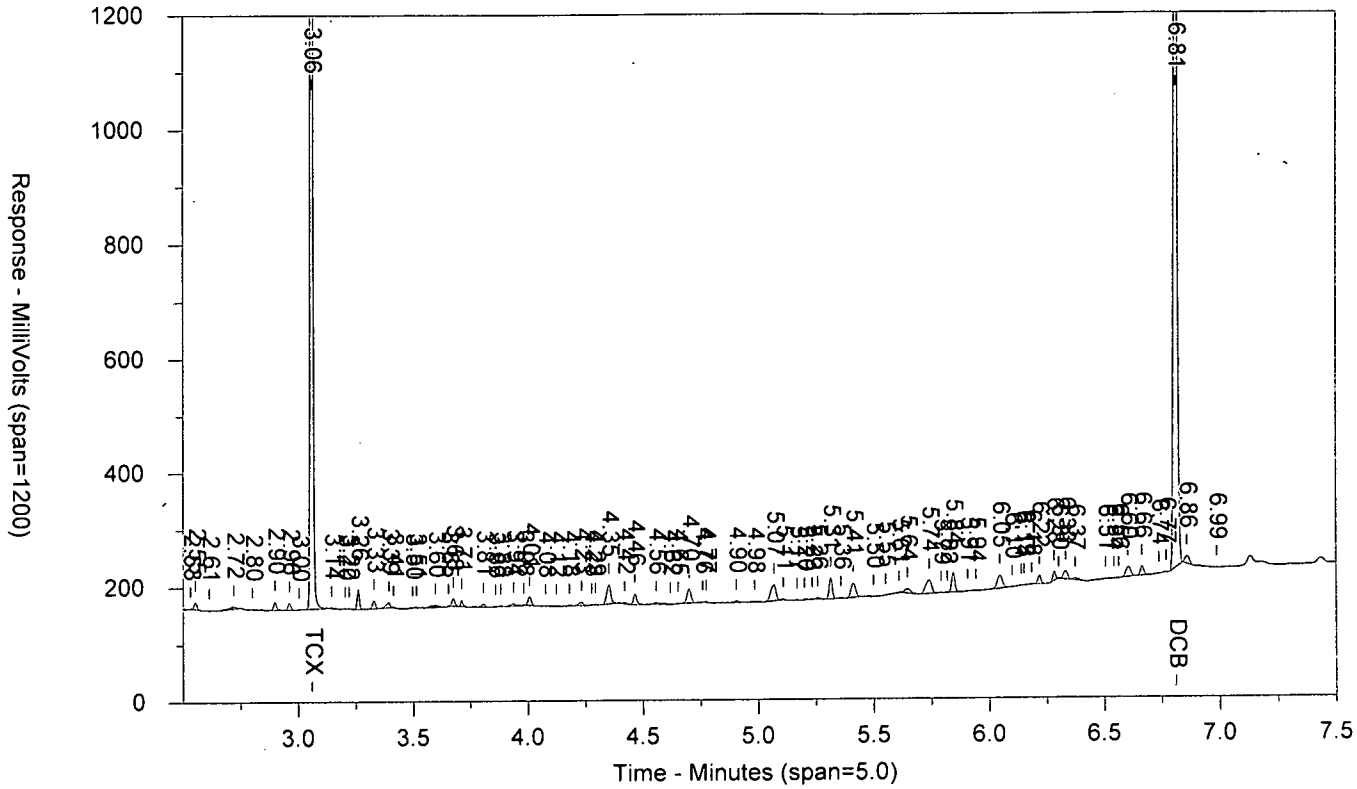
Sample Number: IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082
Injected On: 11/5/2017 6:57:39 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17309001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.068		42844	51731
2.142		14363	27527
2.208		9870	9920
2.257		2558	4866
2.306		8058	13510
2.357		7783	13330
2.514		1936	1855
2.573		7024	37290
2.666		7210	3610
2.689		4909	3010
2.704		31238	27172
2.782	TCX	4970441	3051544
2.966		1120	451
3.003		60590	39792
3.053		931	475
3.067		562	150
3.086		481	33
3.103		837	145
3.122		11357	6846
3.141		441	69
3.148		1008	307
3.164		816	135
3.185		2264	1294
3.2		787	179
3.211		1769	945
3.234		923	304
3.242		1259	216
3.252		390	120
3.262		715	142
3.306		2338	3676
3.319		3777	3512
3.346		886	283
3.355		1052	332
3.369		1043	402
3.393		17426	23792
3.43		1192	263
3.456		1283	572
3.472		22645	13572
3.499		8487	5265
3.516		671	117
3.537		1219	762
3.548		5594	2695
3.586		6881	13399
3.61		2394	1596
3.629		1215	330
3.646		959	308
3.658		1309	742
3.681		5165	3873
3.712		865	444
3.724		3504	2256
3.749		2561	1170
3.777		1779	935
3.798		7690	15192
3.854		4789	10177

RT B	Compound B	Height B	Area B
3.893		5821	4969
3.928		4428	3609
3.96		10746	8049
3.993		1858	824
4.034		1217	631
4.07		7197	17806
4.15		39658	65929
4.243		5594	6491
4.293		37197	38797
4.359		12523	19868
4.425		6695	17549
4.459		7433	9615
4.513		1900	644
4.55		1395	780
4.569		2836	2278
4.658		4099	5245
4.684		4421	1655
4.722		2384	5803
4.775		1059	738
4.826		6538	8911
4.875		8296	8516
4.926		49222	41597
4.959		4359	9694
5.047		9346	43449
5.096		2074	1579
5.131		1779	2070
5.181		1533	1421
5.252		7956	24879
5.328		18838	27035
5.368		1138	671
5.451		41191	36708
5.486		4030	4004
5.528		3745	26295
5.617		7097	11782
5.64		2701	1828
5.714		641	195
5.791		18916	18525
5.856		16299	12596
5.906		12270	25636
6.056		1105	512
6.104		8282	15070
6.167		6669	16244
6.21		20204	19545
6.283		1004	445
6.337		1167	402
6.374	DCB	2157620	1927542
6.512		1289	1690
6.536		1223	1739
6.666		1386	2537
6.678		921	423
6.726		1078	285
6.802		1808	645
6.832		2807	2794
6.859		5769	4992
6.902		2883	8513

IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.005.RAW



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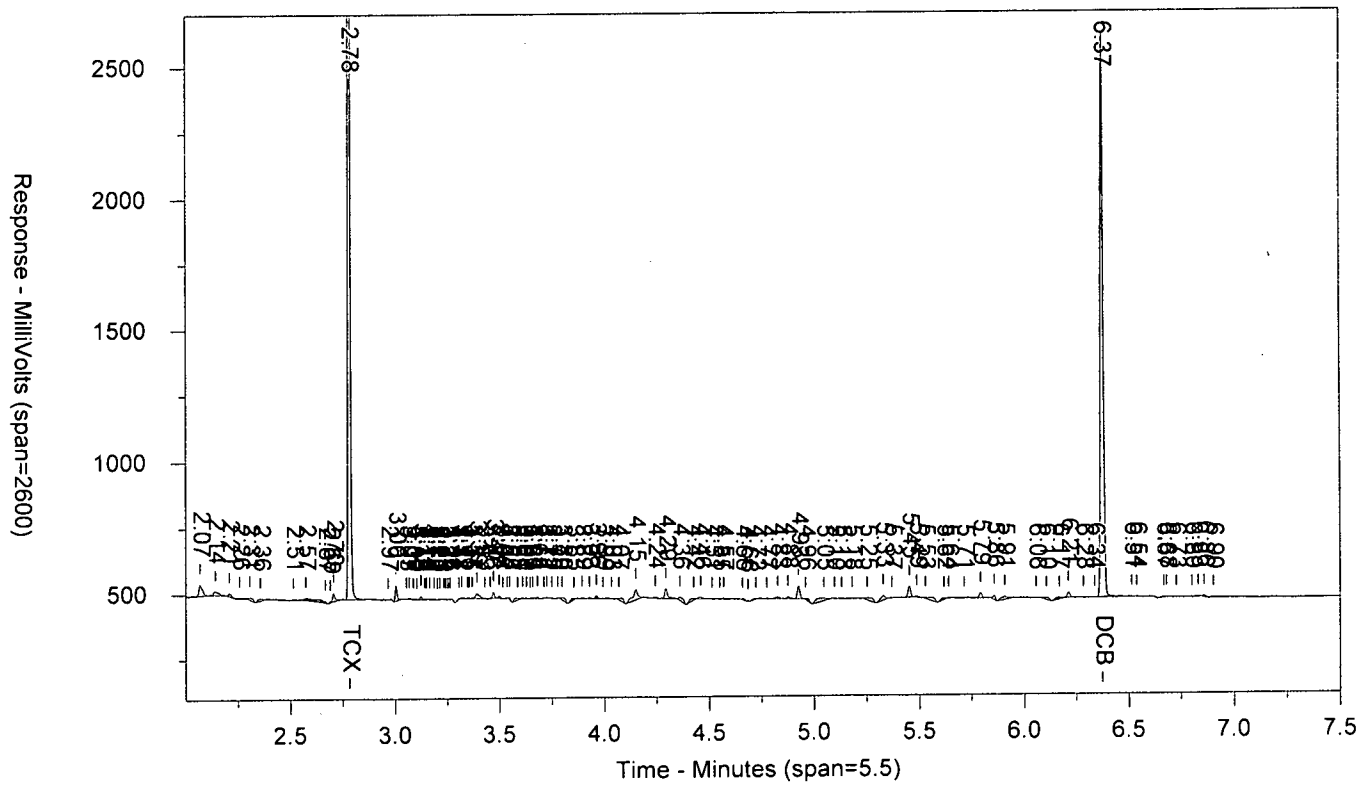

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082
Injected On: 11/5/2017 6:57:39 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
3.059	2832483	.423	TCX	2.782	4970441		TCX
6.812	1574907	35.897	DCB	6.374	2157620	168.023	DCB

Files:
Area File: 25PCBS17309001.005.RAW
Area File: 25PCBS17309001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 7:06:12 PM
File Reported On: 11/7/2017 at 11:53:43 AM

IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082

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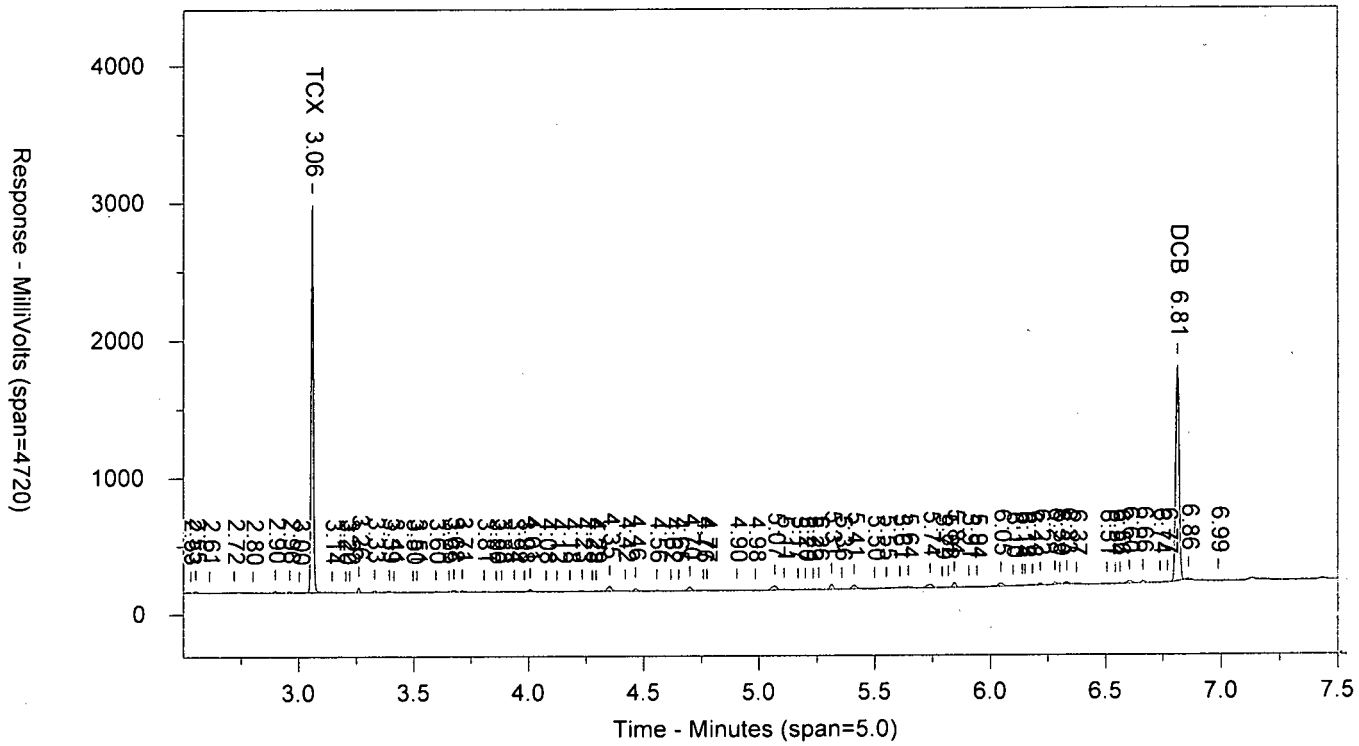

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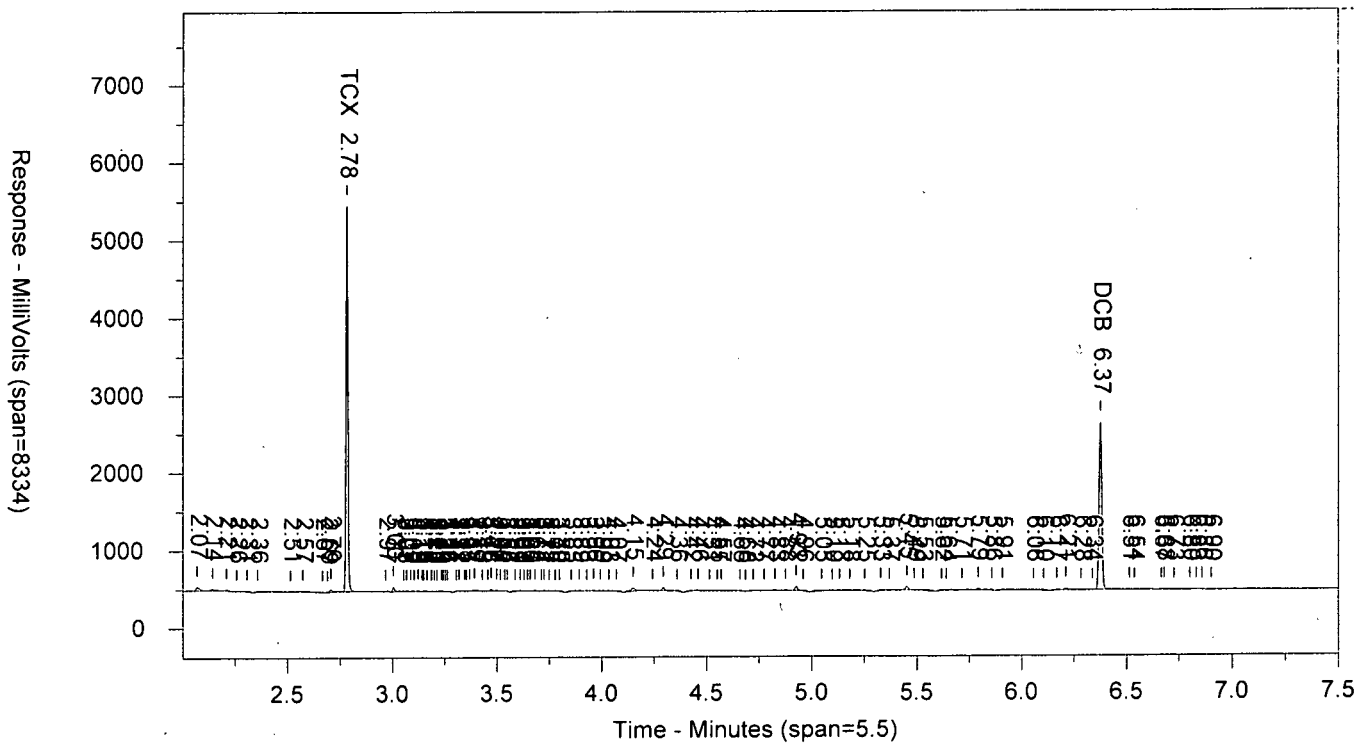

IBLKX1724B AAPIBLKAA PIBLK1730899999 10225 SW-846 8082

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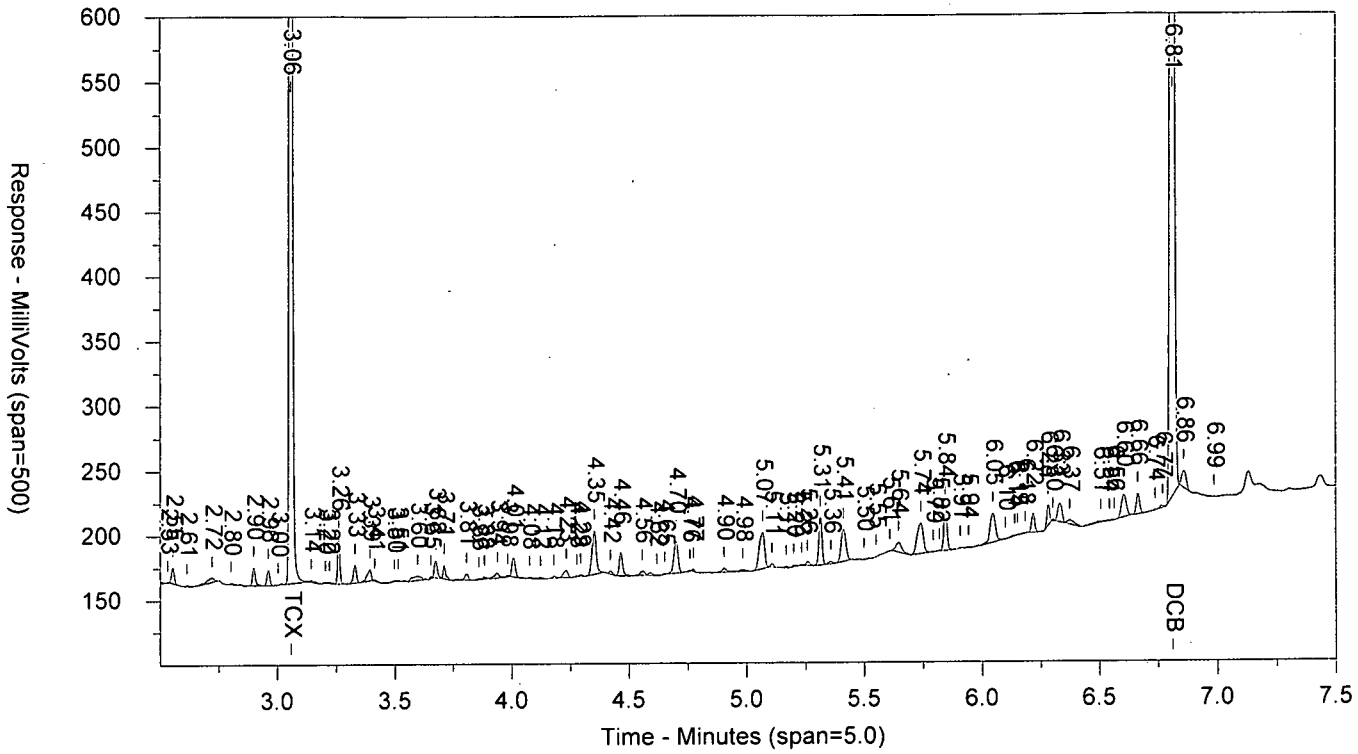

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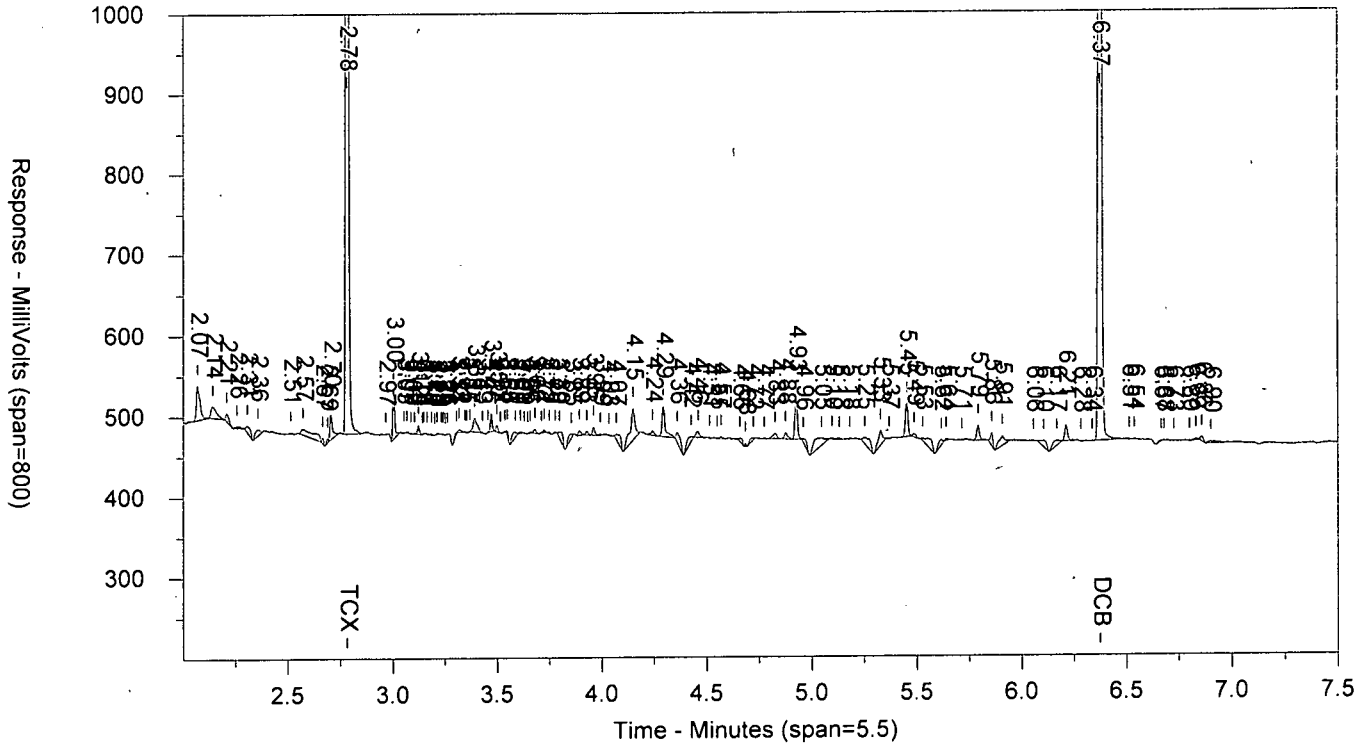

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:08:59 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: 25PCBS17309001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.027		1426	1579
2.073		630	438
2.097		8012	7420
2.134		3847	4228
2.209		9032	12057
2.249		3142	7370
2.346		11181	10527
2.436		18844	11876
2.462		13823	10276
2.503		1408	1569
2.534		488	357
2.553		6931	5794
2.636		19668	14241
2.679		1258	1175
2.723		4193	11340
2.8		751	828
2.84		1265	1258
2.898		15917	13430
2.961		5422	4655
3.004		458	509
3.029		577	152
3.058	TCX	2744653	1806180
3.144		2552	2257
3.203		865	555
3.222		1009	698
3.26		35858	23468
3.347		1863672	1188139
3.393		7572	7830
3.414		1295	928
3.452		775	386
3.491		1849	1709
3.513		653	438
3.549		1581028	1026915
3.583		33763	23691
3.631		1761	1244
3.668		655169	435055
3.711		12744	10375
3.752		887	1308
3.807		7935	7918
3.85		32419	25935
3.879		4638	4009
3.913		980	480
3.937		2700	2177
3.964		39364	30920
4.005		6707	6300
4.045		699	326
4.08		2998	2701
4.123		513	240
4.156		765	423
4.178		1442	1858
4.222		7997	8269
4.249		2592	1668
4.275		1280	757
4.3		6679	5988

RT A	Compound A	Height A	Area A
4.342		29776	39206
4.391		51735	44250
4.419		1527	1311
4.464		19759	18818
4.518		889	665
4.557		95603	90878
4.614		524	175
4.647		6391	5476
4.698		11381	13864
4.73		29451	22518
4.755		39375	32690
4.832		3244	3144
4.887		128129	120521
4.991		100068	92035
5.04		3686630	3303579
5.067		23450	11018
5.084		52545	35154
5.114		661	503
5.14		422459	373738
5.223		47244	62039
5.26		2197	1420
5.302		267259	275096
5.343		10224	7872
5.376		5016934	4382556
5.453		9978	7554
5.474		5749	4308
5.517		462	295
5.541		483	252
5.566		833	562
5.597		277173	255435
5.657		5857	7940
5.683		2123	2019
5.737		6779806	6006900
5.802		68621	60644
5.836		631059	585024
5.964		391	227
5.993		528	268
6.011		1930	1553
6.048		7611	11015
6.157		710	404
6.195		588	94
6.216		16861	15267
6.281		18117	15076
6.302		1911	1009
6.332		5627	6653
6.381		1200	1235
6.462		1006	1685
6.532		920	3718
6.605		5722	7588
6.663		16737	16535
6.717		461	263
6.763		1569	2302
6.812	DCB	1646202	1655797
6.865		5204	6114
6.916		840	302

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:08:59 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: 25PCBS17309001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.04		5519	4221
2.068		39964	48186
2.142		18428	34378
2.207		9830	10132
2.245		2376	5019
2.306		25625	21581
2.36		9723	10891
2.4		3719	3793
2.426		3793	4952
2.479		38324	28154
2.569		6468	15173
2.668		4075	4747
2.705		35832	29231
2.747		3203	2409
2.782	TCX	4862863	3016782
2.868		6254	6586
2.917		2187	1408
2.983		2212	2273
3.003		57985	37017
3.057		6823	4222
3.07		1257	521
3.094		681	204
3.103		1185	430
3.131		3089443	1757637
3.185		2524	1380
3.218		941	639
3.226		1775	921
3.246		389	77
3.255		1673	732
3.269		599	124
3.293		52312	33480
3.315		691	138
3.321		1908	624
3.345		2647001	1522827
3.371		408	62
3.377		971	235
3.391		11649	9608
3.419		11893	6247
3.442		1863	823
3.451		1473	379
3.472		11233	6540
3.498		11471	6821
3.525		1073816	643348
3.55		4371	2873
3.584		5171	3846
3.603		494	90
3.62		21366	13350
3.639		2528	976
3.656		105525	66039
3.681		4243	2795
3.699		782	140
3.706		1065	308
3.73		11621	9566
3.75		3816	2083

RT B	Compound B	Height B	Area B
3.774		6232	4995
3.794		971	176
3.805		3616	4496
3.848		2168	2476
3.861		2664	2445
3.896		5662	5894
3.97		43243	47005
3.997		10160	5907
4.017		10874	6519
4.044		9800	5499
4.065		59843	37874
4.091		35610	26269
4.149		39130	49702
4.207		152538	112867
4.245		7596	5425
4.292		41896	34225
4.319		2736	1346
4.373		68861	67628
4.422		7695	9790
4.457		3992	3536
4.48		48229	37466
4.509		1376	1040
4.534		2201	2147
4.567		2749	1712
4.601		181658	142817
4.636		3201	2594
4.675		5810822	4457547
4.71		123800	96366
4.765		579231	478500
4.817		17228	23772
4.879		53436	54654
4.925		36015	23190
4.955		8352754	6664193
5.02		367562	375793
5.129		20699	16862
5.167		12353	12873
5.248		2812	2572
5.285		386487	318610
5.328		15185	19160
5.389		9458983	7952296
5.446		69199	66173
5.47		15363	10062
5.577		865670	727357
5.629		23445	23316
5.714		1896	1212
5.769		1092	701
5.791		22492	19887
5.857		27900	24002
5.905		9456	16184
5.99		1540	1538
6.043		1575	1769
6.072		1260	933
6.165		2111	2596
6.211		20112	17659
6.266		1383	869
6.332		837	263
6.375	DCB	2230973	2036957
6.608		1736	3088
6.665		1459	1036
6.693		1171	1112
6.719		1031	450
6.779		923	977
6.829		1256	325
6.861		5379	5165

EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082

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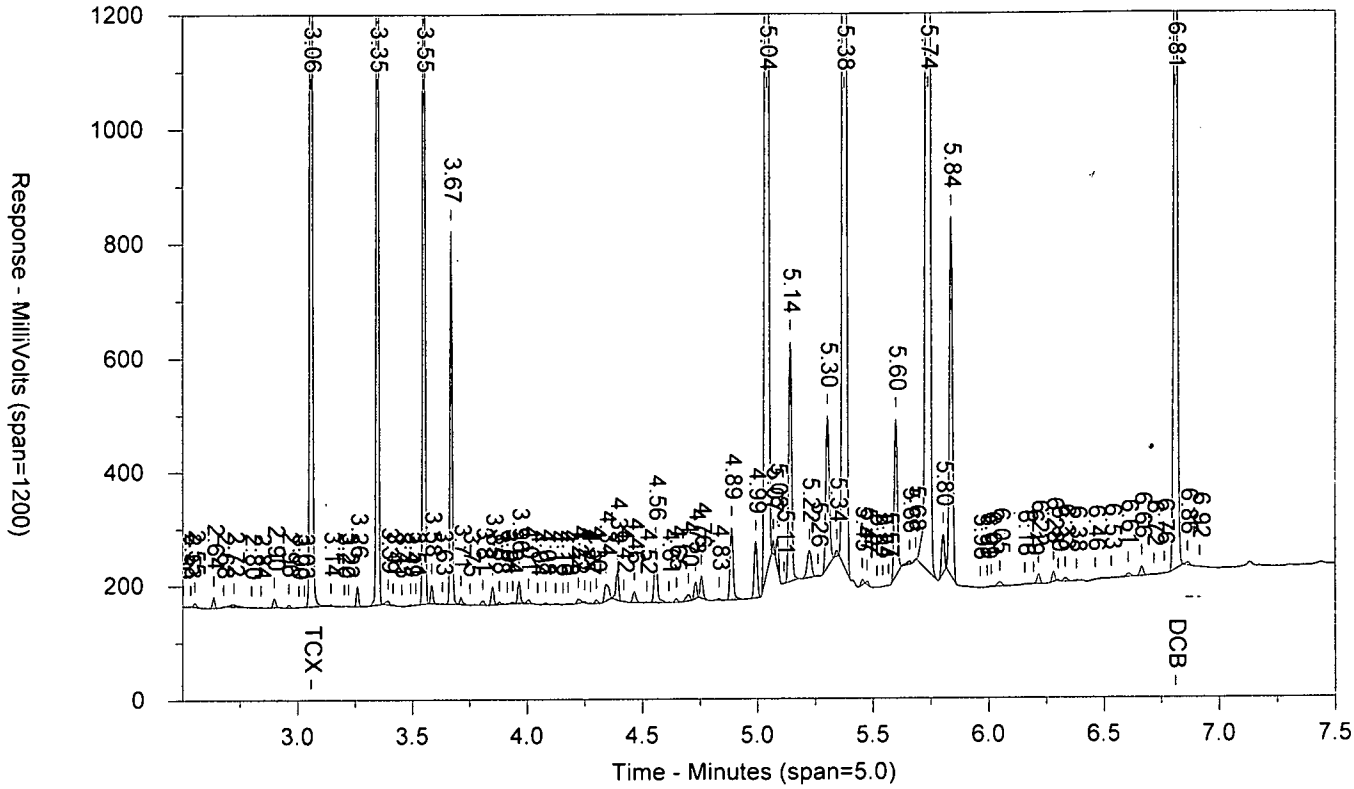

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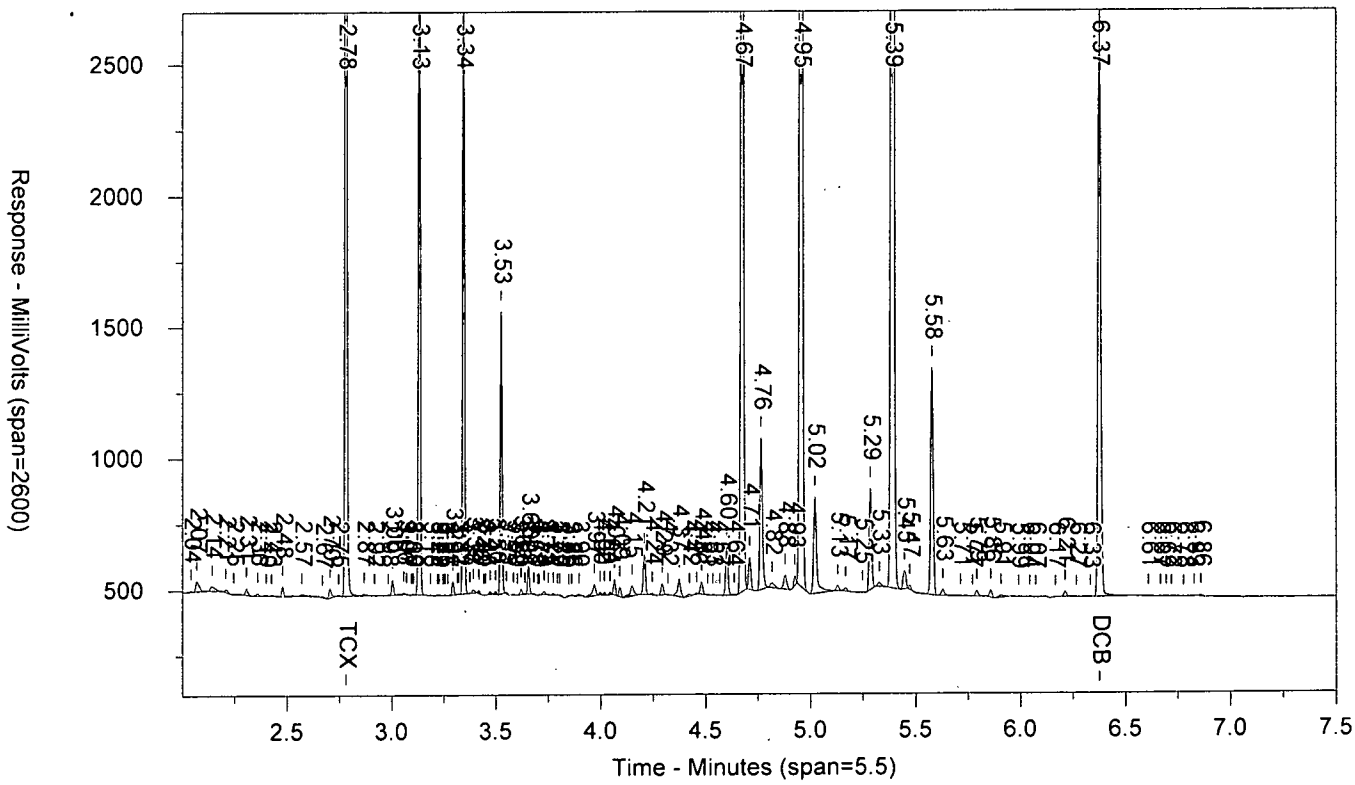

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:08:59 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
3.058	2744653	41.007	TCX	2.782	4862863		TCX
6.812	1646202	3752.214	DCB	6.375	2230973	17373.48	DCB

Files:
Area File: 25PCBS17309001.006.RAW
Area File: 25PCBS17309001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 7:17:29 PM
File Reported On: 11/7/2017 at 11:54:15 AM

EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082

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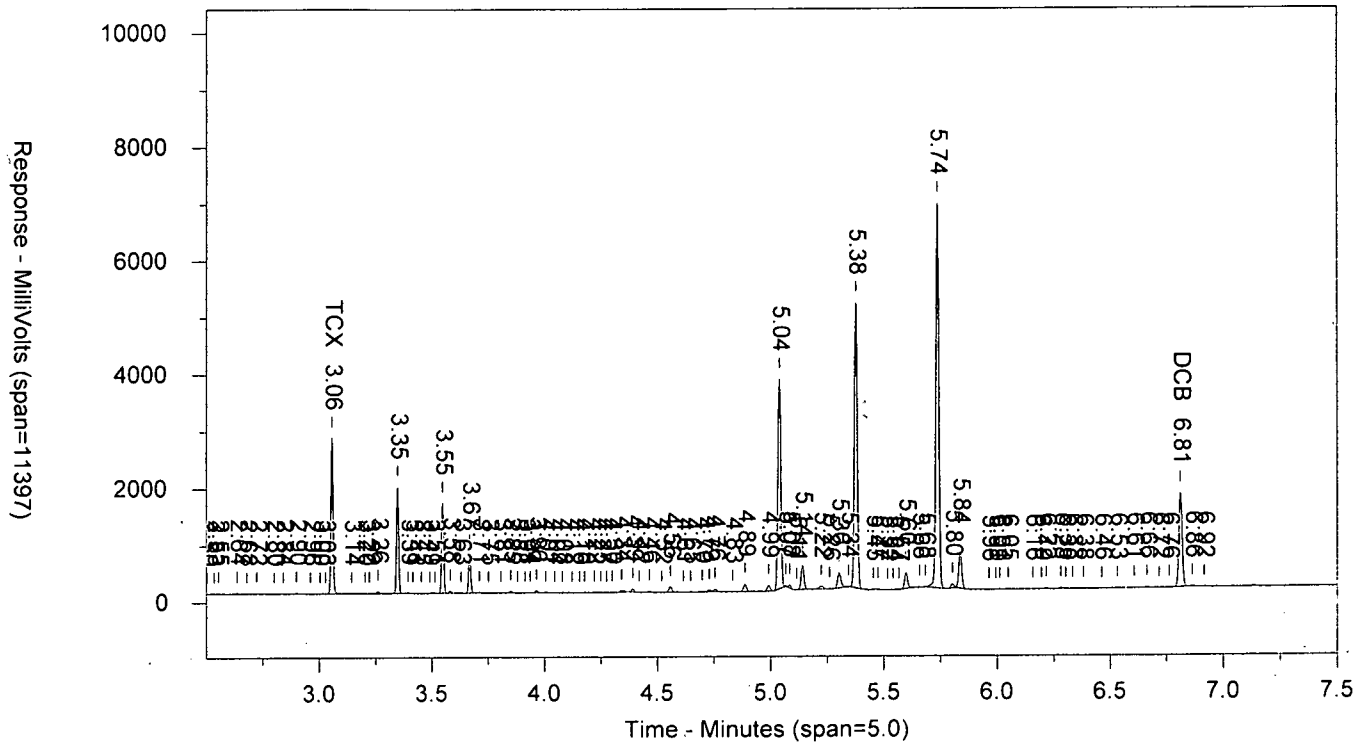

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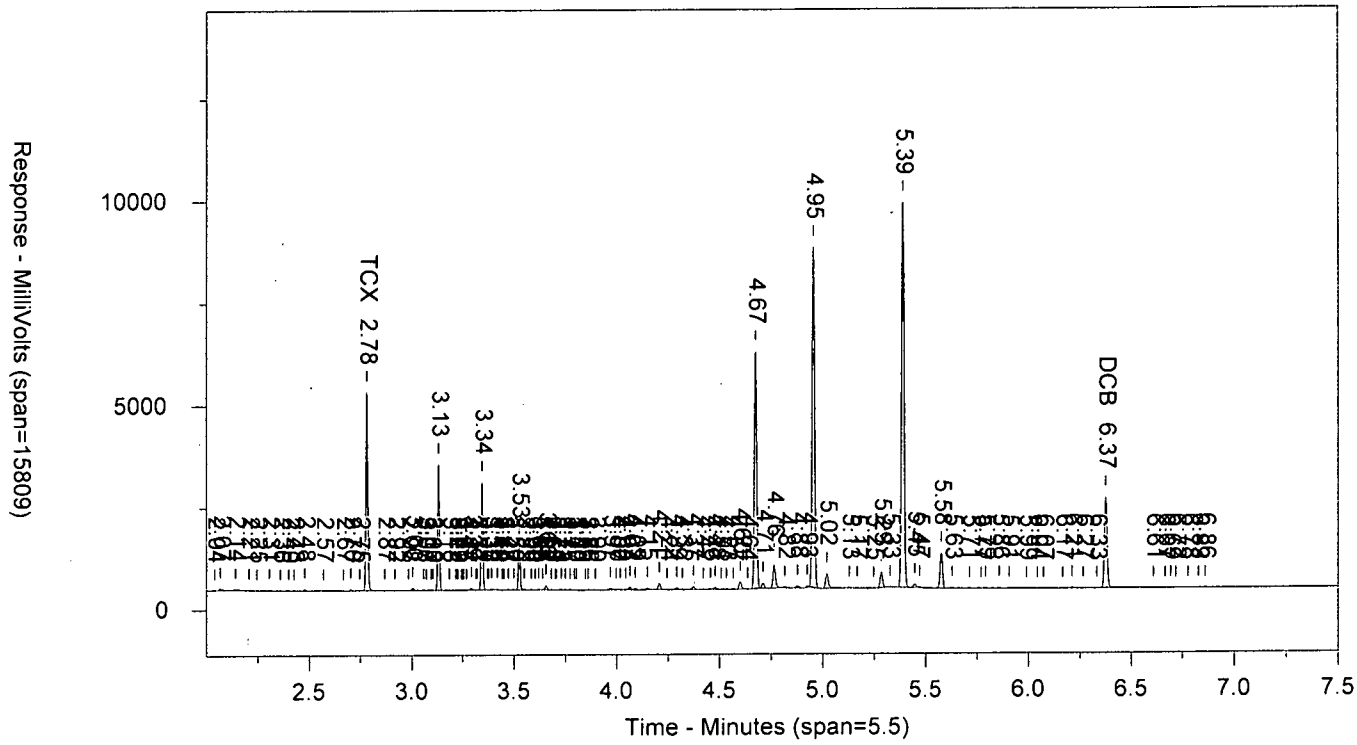

EVALX1724A AAEVALXAA ICAL 1730899999 10225 SW-846 8082

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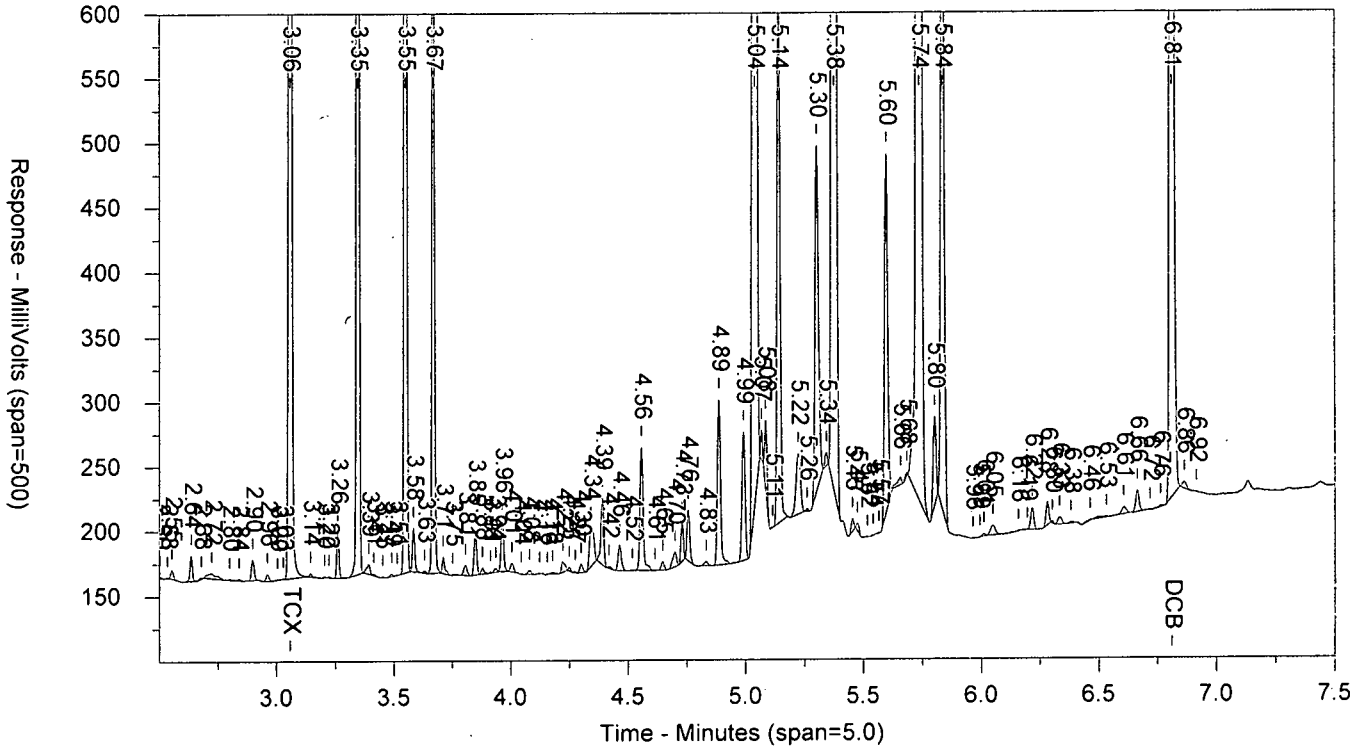

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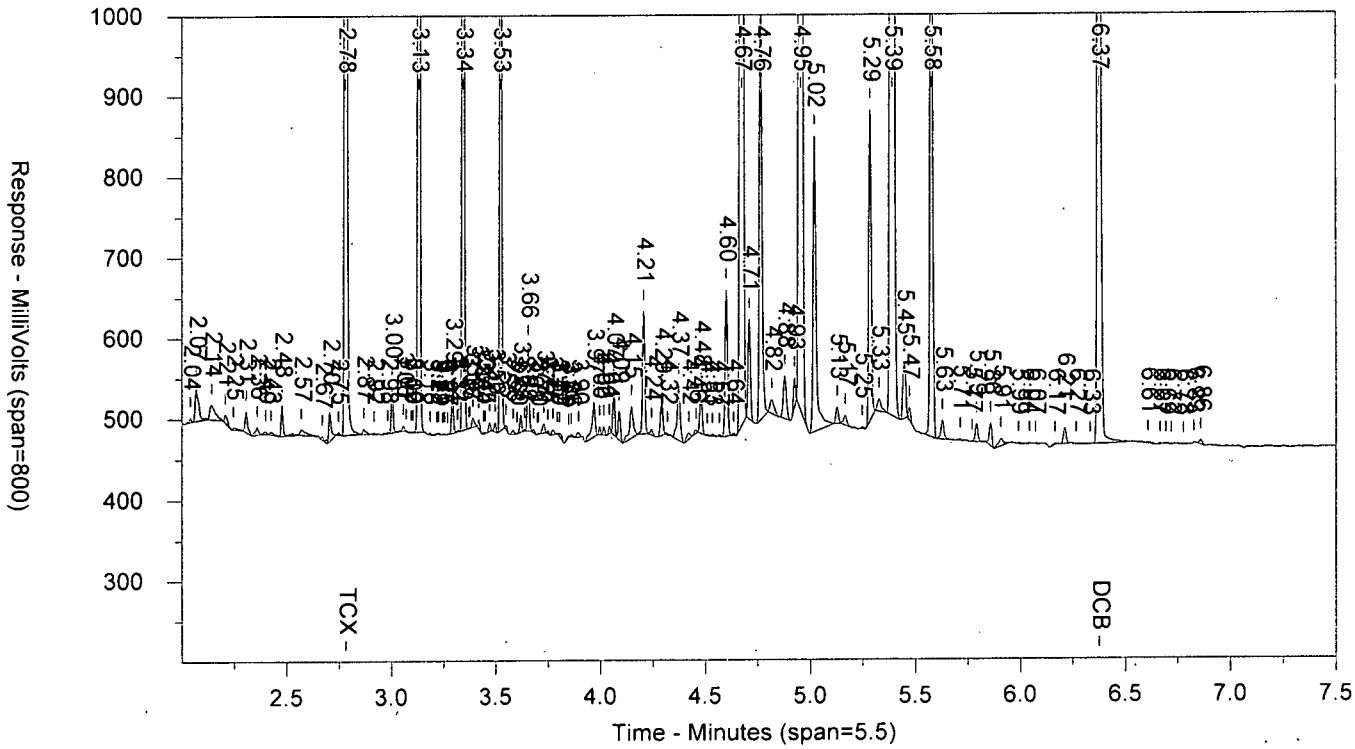

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:20:25 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: 25PCBS17309001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.072		585	249
2.097		7730	7329
2.147		1132	1299
2.215		5341	8750
2.28		3896	16602
2.436		12655	8273
2.502		1492	1823
2.532		508	199
2.552		4317	3241
2.618		976	972
2.673		579	398
2.702		1436	1688
2.719		1149	2017
2.799		699	793
2.839		651	497
2.899		14819	13715
2.964		4066	3973
2.996		616	276
3.059	TCX	276492	192767
3.144		922	548
3.169		953	686
3.211		12527	11555
3.268		13657	11214
3.317		66678	49030
3.385		4509	5693
3.413		8928	5628
3.493		996	1086
3.536		67792	41790
3.553		33114	17800
3.591		6891	4122
3.607		3136	1410
3.622		3000	1680
3.654		81527	57909
3.678		2789	2589
3.729		4013	2516
3.766		14710	8473
3.781		7122	3632
3.827		43040	22628
3.84		64209	35534
3.879		86090	65075
3.941		73995	56291
3.983		6286	4265
4.009		55201	39226
4.037		34966	34785
4.06		7992	3671
4.139		55324	39098
4.165		19421	12203
4.196		20630	14493
4.232		56103	61243
4.275		16348	12671
4.322		1178	692
4.355		28939	26838
4.397		55570	41296
4.417		13900	7971

RT A	Compound A	Height A	Area A
4.443		11387	7134
4.465		16156	13634
4.511		6687	5558
4.557		59620	54572
4.591		2034	1615
4.656		1222	1171
4.699		20396	20590
4.755		7661	4690
4.772		13600	8624
4.818		33467	28616
4.865		51491	56474
4.905		15131	11070
4.945		114926	106411
4.988		3998	3661
5.037		15979	15693
5.069		5460	4568
5.095		19196	17567
5.148		107461	88855
5.167		20700	11072
5.199		27590	24082
5.24		67744	69682
5.285		1115	639
5.319		15740	18159
5.355		150039	140880
5.378		7048	3683
5.397		1307	485
5.418		87492	76600
5.461		51711	47114
5.562		9097	8662
5.583		83358	73310
5.641		52336	49796
5.681		24660	20351
5.722		4097	3036
5.746		703	296
5.764		31025	28122
5.794		553	202
5.82		208197	220619
5.907		1076	984
5.942		820	798
6.028		131742	130981
6.081		37847	72362
6.179		661	822
6.215		3970	4219
6.276		4399	3494
6.302		24581	20952
6.334		2512	2727
6.391		402	1017
6.413		553	430
6.459		63056	59860
6.505		4424	4258
6.606		2605	3886
6.662		17106	16564
6.715		421	132
6.737		710	487
6.766		1071	1054
6.811	DCB	202856	198302
6.864		3495	7821

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:20:25 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: 25PCBS17309001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.03		1298	1118
2.068		26841	20295
2.145		12642	43321
2.261		2738	5562
2.36		3647	14409
2.461		3523	3715
2.521		1974	2651
2.573		5482	8128
2.671		5519	6591
2.704		30298	24335
2.781	TCX	469050	303934
2.825		15390	13344
2.869		3148	4861
2.954		26554	18513
2.981		1587	1255
3.015		24654	20255
3.069		119948	75882
3.107		498	141
3.114		835	163
3.122		1288	565
3.135		692	80
3.141		656	116
3.152		1464	1307
3.183		16640	10434
3.211		896	433
3.228		974	252
3.241		622	117
3.252		595	71
3.259		631	165
3.28		95443	50873
3.291		30536	12638
3.332		16506	11635
3.355		10538	6130
3.406		137768	121119
3.442		6721	3873
3.454		809	155
3.472		2034	980
3.488		29775	15807
3.504		15738	7852
3.535		638	239
3.556		79509	36385
3.567		119589	51911
3.587		7984	2922
3.602		116310	82091
3.642		464	94
3.659		770	355
3.679		123906	82702
3.713		88216	54003
3.738		100121	59761
3.756		28033	14319
3.775		2874	1289
3.796		1942	1255
3.847		103722	73179
3.873		38327	22974

RT B	Compound B	Height B	Area B
3.895		41810	26859
3.928		37352	20518
3.945		76792	47074
3.989		29702	22225
4.03		9957	10424
4.061		19838	12595
4.085		110320	77162
4.111		15354	9167
4.15		47364	43959
4.189		86367	64522
4.227		5341	4038
4.244		12116	8046
4.294		40182	33326
4.333		17101	16820
4.377		2483	1940
4.404		20613	14626
4.452		19016	11285
4.469		16292	7878
4.482		55121	32666
4.509		33435	34768
4.564		185159	148463
4.609		8361	6848
4.638		17474	12446
4.662		40845	32046
4.707		196116	161684
4.817		169990	165971
4.875		22133	20000
4.913		42193	38678
4.95		188064	165916
4.984		98870	72458
5.025		67233	57212
5.129		24640	25296
5.181		125709	104937
5.206		19035	12235
5.256		69472	62875
5.292		34337	26487
5.319		21478	18372
5.352		7769	4588
5.373		269358	225367
5.414		5498	4431
5.451		14462	11586
5.486		4085	3433
5.563		3313	2014
5.588		60184	48556
5.633		187279	202076
5.702		1284	894
5.766		764	449
5.79		5933	5666
5.829		5128	3953
5.858		4618	3382
5.907		35769	36693
6.009		74879	64659
6.043		5122	3597
6.109		1549	1626
6.167		1537	2064
6.212		21248	19956
6.316		1222	1304
6.374	DCB	259382	235918
6.473		1424	2628
6.536		991	1820
6.703		920	564
6.774		1421	549
6.86		6964	8522

AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082

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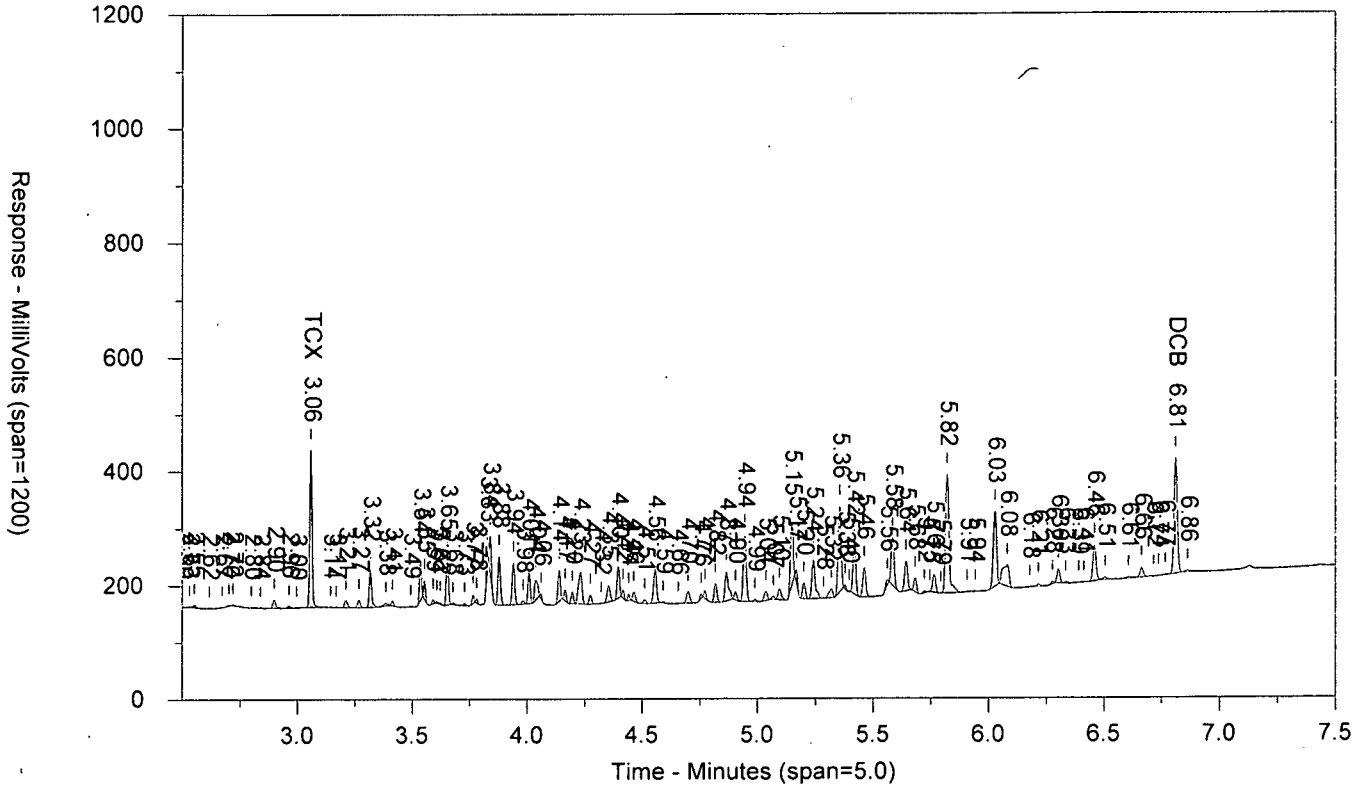

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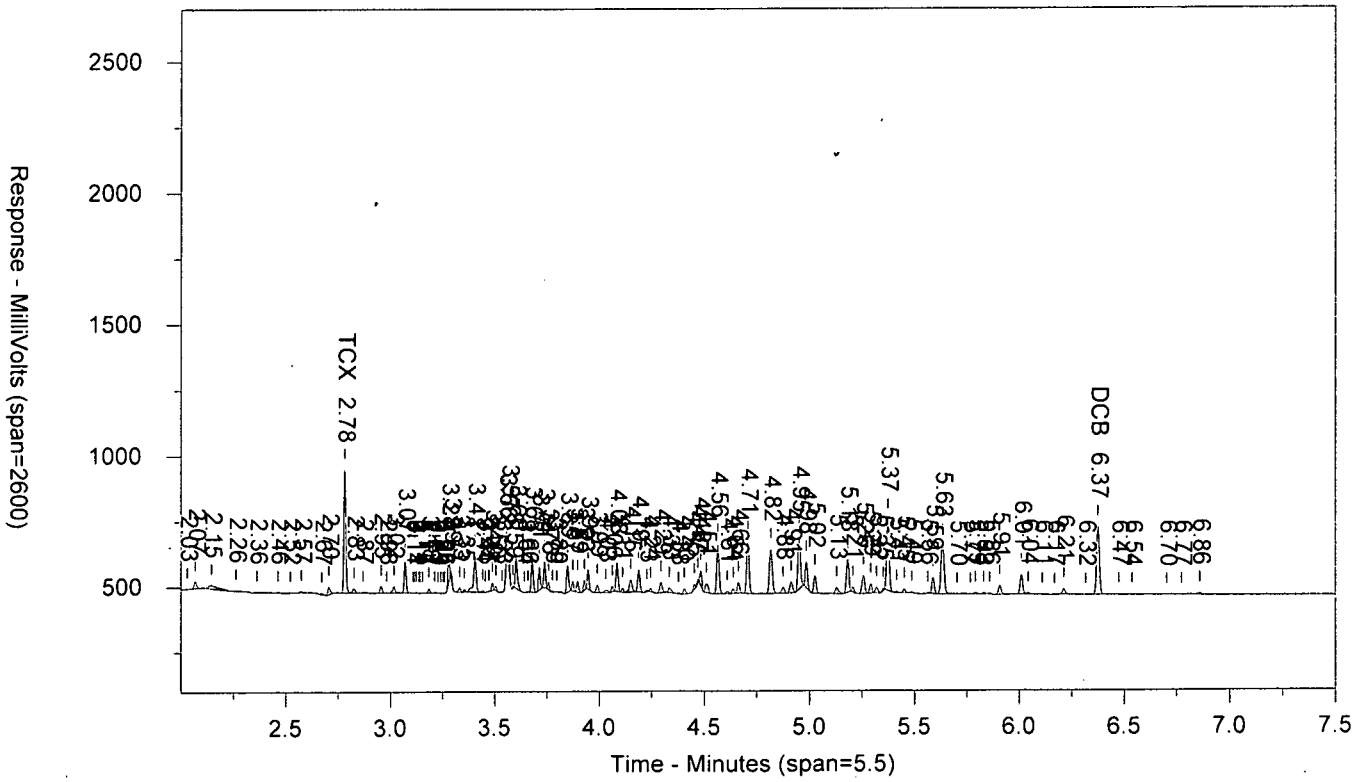

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:20:25 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
3.059	276492	4.131	TCX	2.781	469050		TCX
6.811	202856	462.373	DCB	6.374	259382	2019.911	DCB

Files:
Area File: 25PCBS17309001.007.RAW
Area File: 25PCBS17309001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 7:28:56 PM
File Reported On: 11/7/2017 at 11:54:45 AM

AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082

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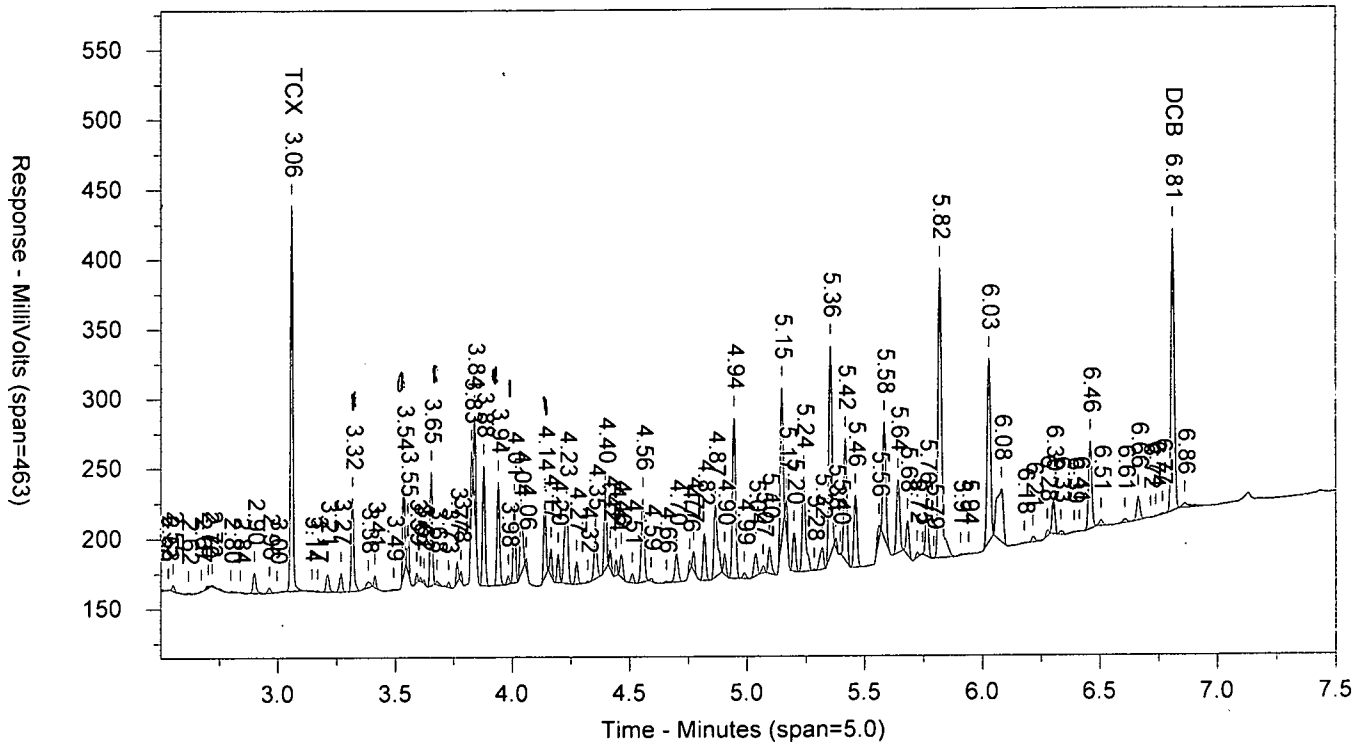

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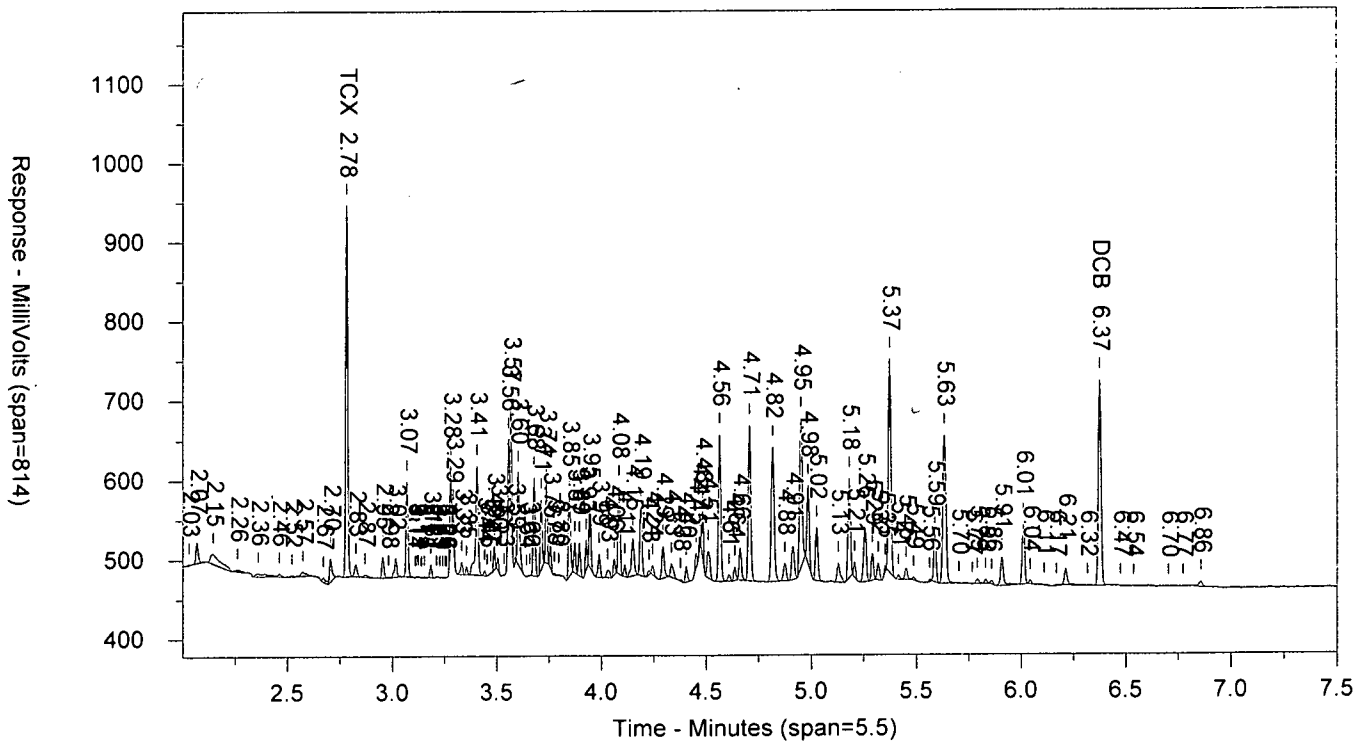

AR1611724B AAAR161AA ICAL 1730899999 10225 SW-846 8082

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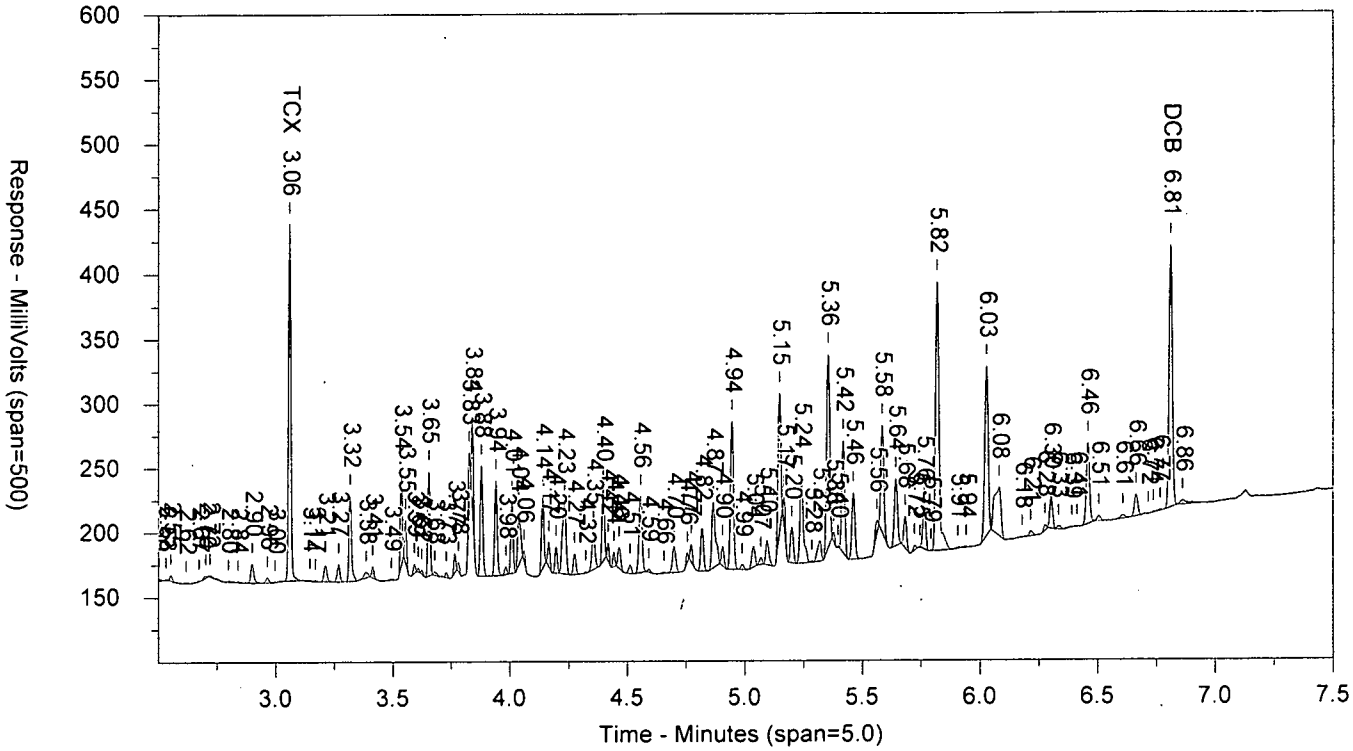

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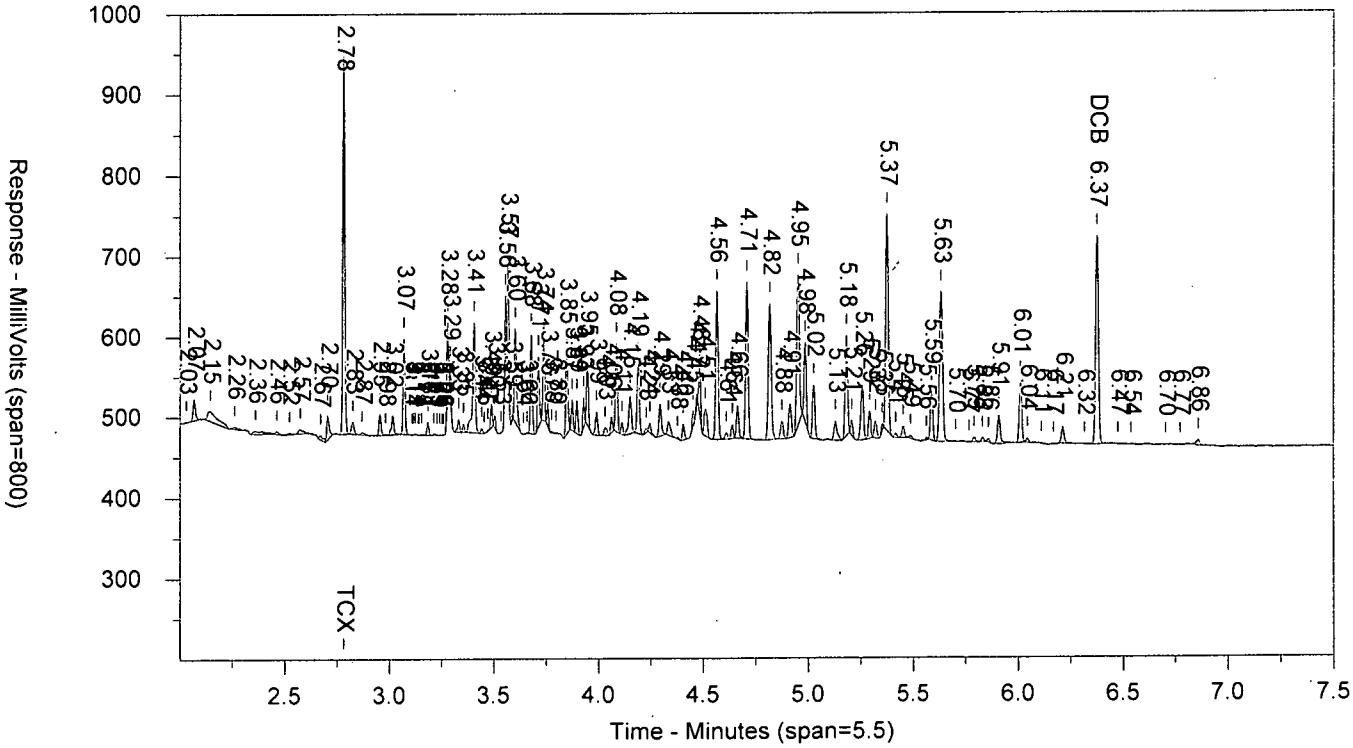

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:31:44 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: 25PCBS17309001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1159	940
2.073		830	538
2.097		9296	9105
2.15		783	806
2.208		5564	9189
2.266		836	381
2.345		2598	4619
2.436		15238	10055
2.457		963	594
2.503		1436	1746
2.529		795	238
2.553		5560	4546
2.611		371	139
2.673		1126	505
2.697		5047	8812
2.801		795	989
2.841		978	660
2.873		466	289
2.899		15661	14226
2.962		4769	4292
3.011		224	309
3.057	TCX	509278	359589
3.147		959	1308
3.21		23713	21704
3.267		26372	20466
3.316		125328	89338
3.389		4146	5649
3.411		16723	11226
3.488		1286	1395
3.534		128711	76121
3.551		61422	33790
3.589		13602	7762
3.605		6677	2910
3.621		6462	3299
3.652		153543	107860
3.676		2515	2178
3.709		1430	713
3.726		8060	5308
3.763		30563	16866
3.779		13795	7173
3.826		64782	38685
3.838		120744	65007
3.877		150995	121251
3.911		593	233
3.939		137093	103524
3.98		12036	8197
4.006		96921	71568
4.036		66474	63552
4.057		13983	6092
4.115		439	266
4.137		97219	73172
4.162		37998	23556
4.194		40310	28420
4.23		101189	115495

RT A	Compound A	Height A	Area A
4.272		32919	24830
4.304		537	220
4.32		2514	1688
4.353		31818	30571
4.395		100507	75577
4.415		27260	14922
4.44		22792	15699
4.463		14102	10407
4.509		13345	11105
4.553		111755	100473
4.589		4504	3116
4.651		2307	1939
4.696		37899	37187
4.753		12217	8168
4.769		25218	16945
4.816		65036	54233
4.863		95718	105474
4.903		27770	20360
4.943		202860	191298
4.986		7606	7377
5.034		32999	31669
5.067		7802	6270
5.093		36000	31757
5.146		187480	154531
5.164		33424	20650
5.197		53327	45989
5.238		118803	130014
5.281		1906	1127
5.317		29300	34895
5.353		272617	252146
5.376		12973	6742
5.394		2556	1046
5.416		146373	135674
5.459		96436	87808
5.512		888	795
5.56		14073	15639
5.581		145409	127392
5.639		91094	83266
5.679		44768	37039
5.72		8046	6230
5.742		468	159
5.762		59012	52890
5.819		382940	392968
5.907		954	826
5.944		395	219
6.026		234040	231758
6.079		73216	132962
6.125		376	194
6.174		731	725
6.214		7786	7352
6.252		418	303
6.275		7667	6313
6.3		45271	39086
6.331		4008	3977
6.396		960	861
6.456		107806	107341
6.503		6897	6588
6.536		659	150
6.56		410	405
6.604		4295	5891
6.66		32159	31191
6.702		370	160
6.754		549	235
6.764		738	285
6.81	DCB	334554	356134
6.861		4375	8665

RT A	Compound A	Height A	Area A
6.975		643	373

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:31:44 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: 25PCBS17309001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.067		33178	27054
2.14		11613	41458
2.361		3102	4340
2.461		6648	6875
2.514		2055	2194
2.57		6836	21984
2.669		4645	6009
2.704		33923	29835
2.781	TCX	894984	562997
2.825		27565	22744
2.868		2837	5131
2.954		52246	37468
3.015		45454	35721
3.068		217006	140365
3.113		795	179
3.119		994	213
3.15		1254	880
3.163		677	83
3.182		34539	22183
3.21		2168	1136
3.241		634	266
3.26		393	134
3.278		183004	94684
3.291		58870	23268
3.331		30752	20063
3.354		19176	11359
3.381		13384	7916
3.404		242925	167337
3.441		12908	7555
3.47		3010	1252
3.487		54107	29249
3.503		32034	15603
3.532		855	230
3.555		129814	63621
3.566		211267	94908
3.586		11409	4854
3.6		217614	151685
3.649		1274	487
3.677		238548	153552
3.711		157076	96512
3.736		187249	110254
3.754		52097	26772
3.774		3424	1361
3.796		1155	421
3.846		185112	133222
3.871		71266	42263
3.893		73077	46487
3.926		67056	37857
3.944		141096	85047
3.988		56631	41415
4.029		20092	20198
4.06		36574	23186
4.083		205120	141572
4.11		31620	19590

RT B	Compound B	Height B	Area B
4.148		53279	49728
4.187		156211	113992
4.225		10708	7090
4.242		23900	15578
4.291		38287	32251
4.332		35788	41272
4.403		38725	29031
4.45		39446	22835
4.467		31279	15546
4.481		99483	58808
4.509		63428	66191
4.563		335114	266855
4.607		13953	11612
4.635		32073	22777
4.661		75258	57734
4.705		358530	290358
4.782		1134	383
4.815		310002	298003
4.873		40286	36954
4.912		75880	71713
4.949		336770	298238
4.983		178432	128199
5.023		124202	101925
5.095		1807	1616
5.128		43983	45574
5.18		235040	191239
5.204		33564	22358
5.255		123414	114576
5.291		61883	47335
5.317		37954	33331
5.35		16483	9344
5.371		486143	409993
5.413		11269	7760
5.449		25806	20996
5.484		3194	3122
5.564		6225	4102
5.588		106769	86836
5.632		359639	367668
5.705		1263	395
5.789		9118	8625
5.829		10365	8406
5.856		9880	7776
5.906		64599	58928
5.986		1357	1310
6.008		131199	118183
6.04		8177	6362
6.158		1019	450
6.21		40077	34408
6.276		844	340
6.306		1373	944
6.373	DCB	465383	419063
6.547		1417	1743
6.615		1695	2108
6.656		1338	1225
6.776		1425	473
6.788		1116	472
6.832		826	474
6.859		5545	5196
6.96		837	460

AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082

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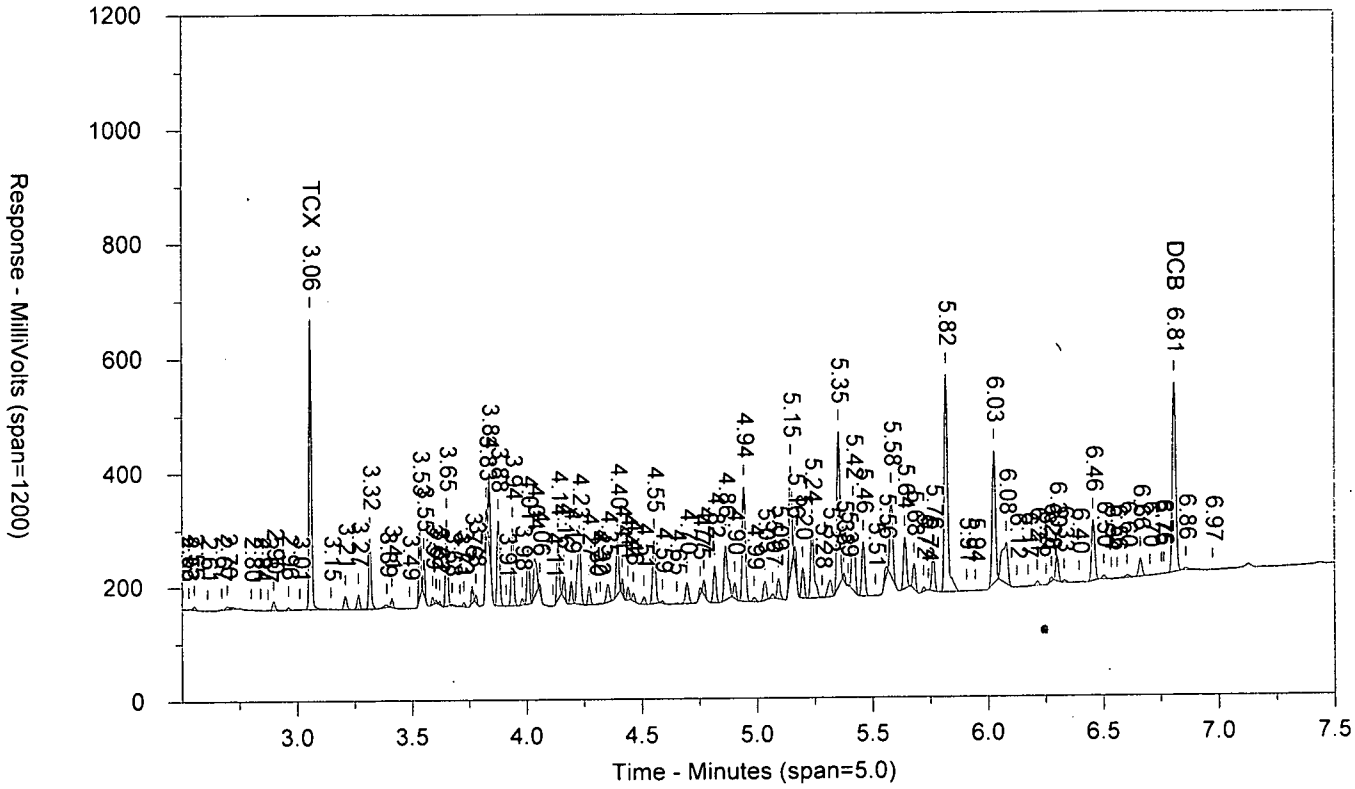

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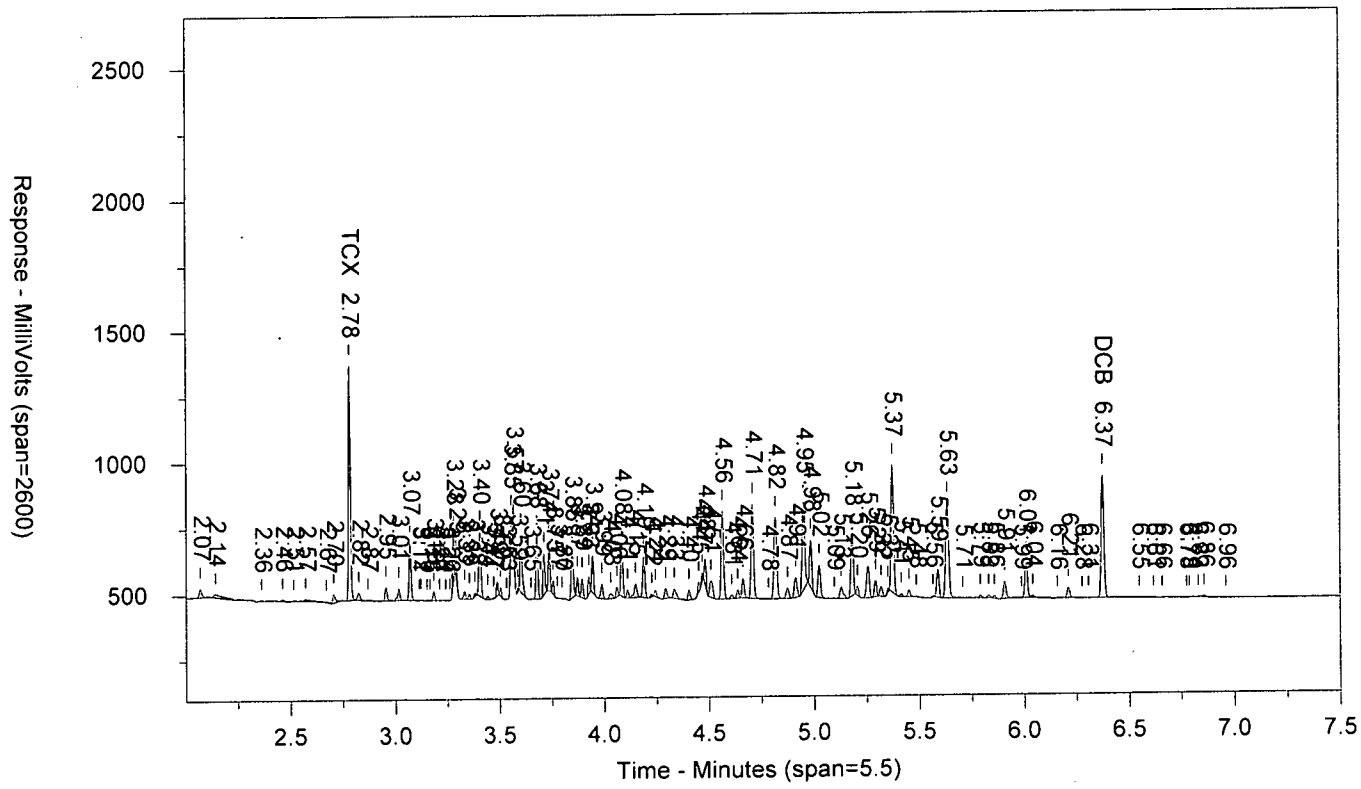

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:31:44 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
3.057	509278	7.609	TCX	2.781	894984	22.897	TCX
6.81	334554	19.63	DCB	6.373	465383	21.638	DCB

Files:
Area File: 25PCBS17309001.008.RAW
Area File: 25PCBS17309001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 7:40:14 PM
File Reported On: 11/7/2017 at 11:55:17 AM

AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082

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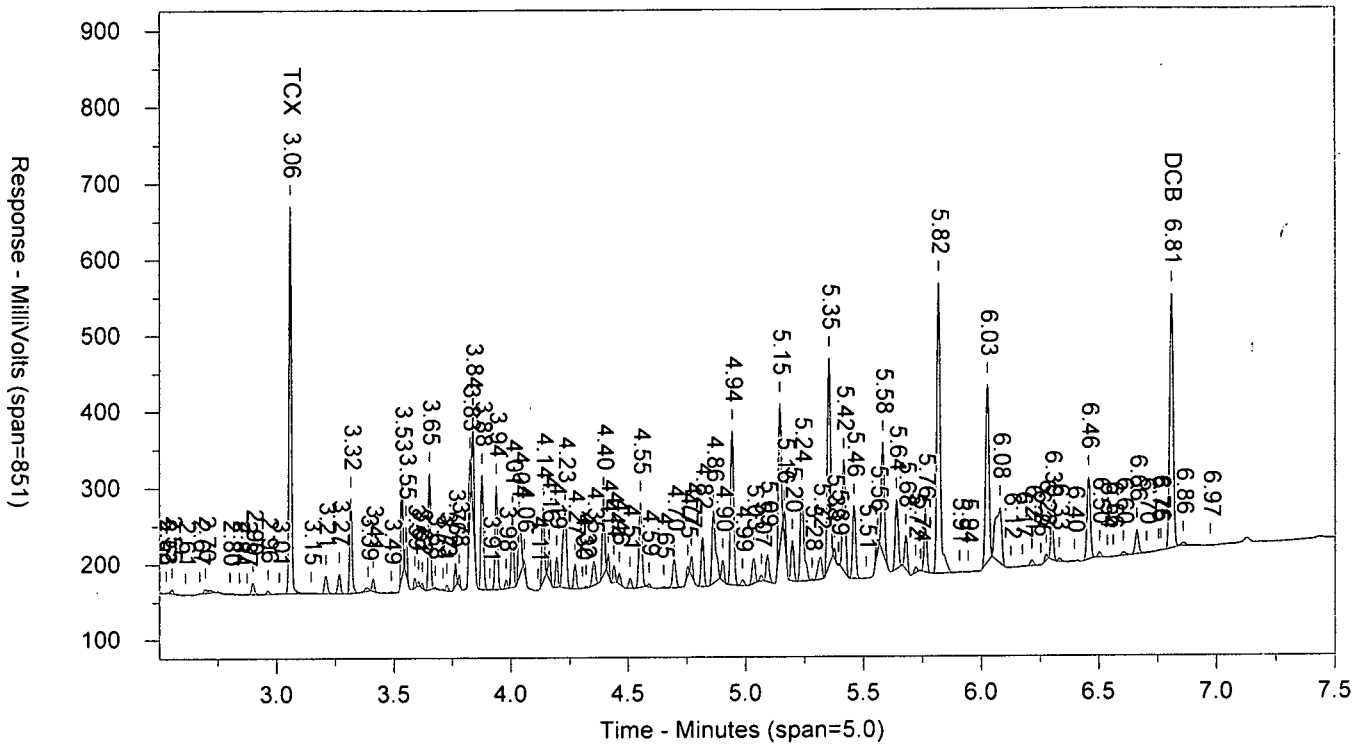

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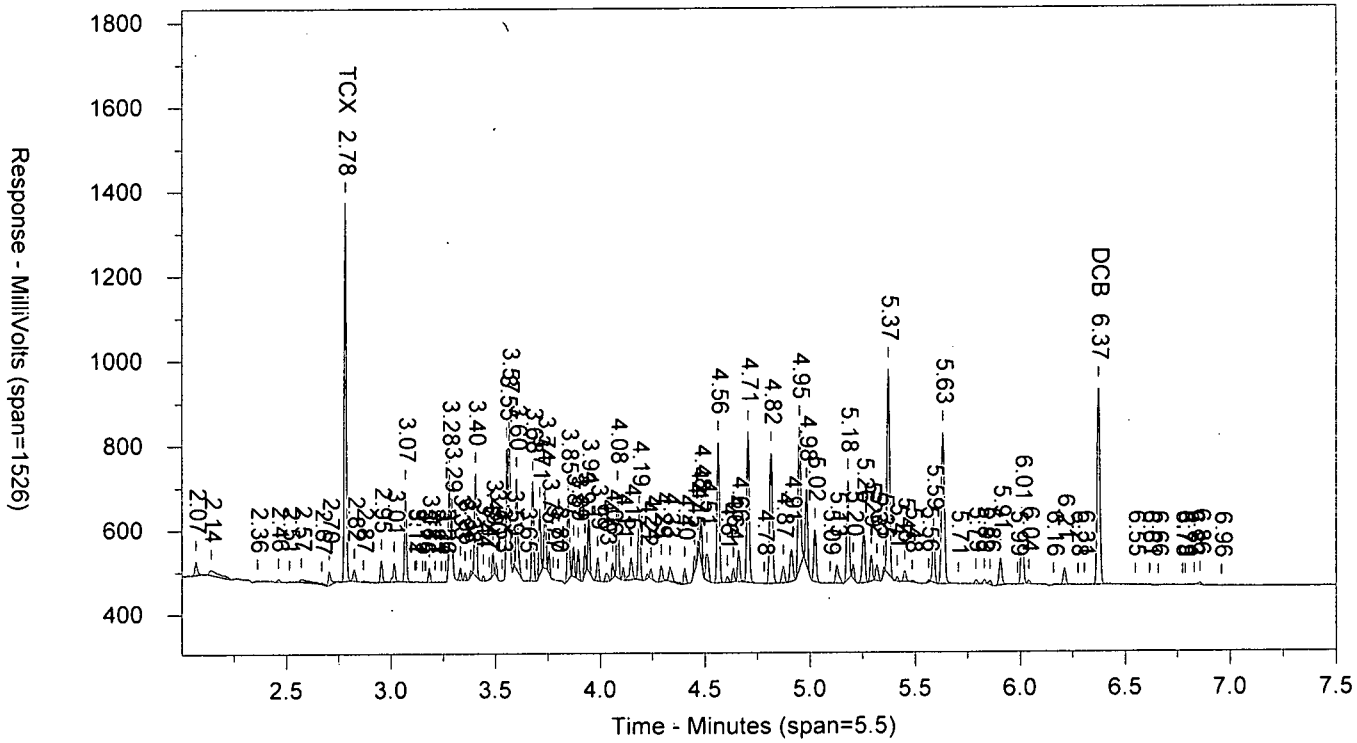

AR1621724B AAAR162AA ICAL 1730899999 10225 SW-846 8082

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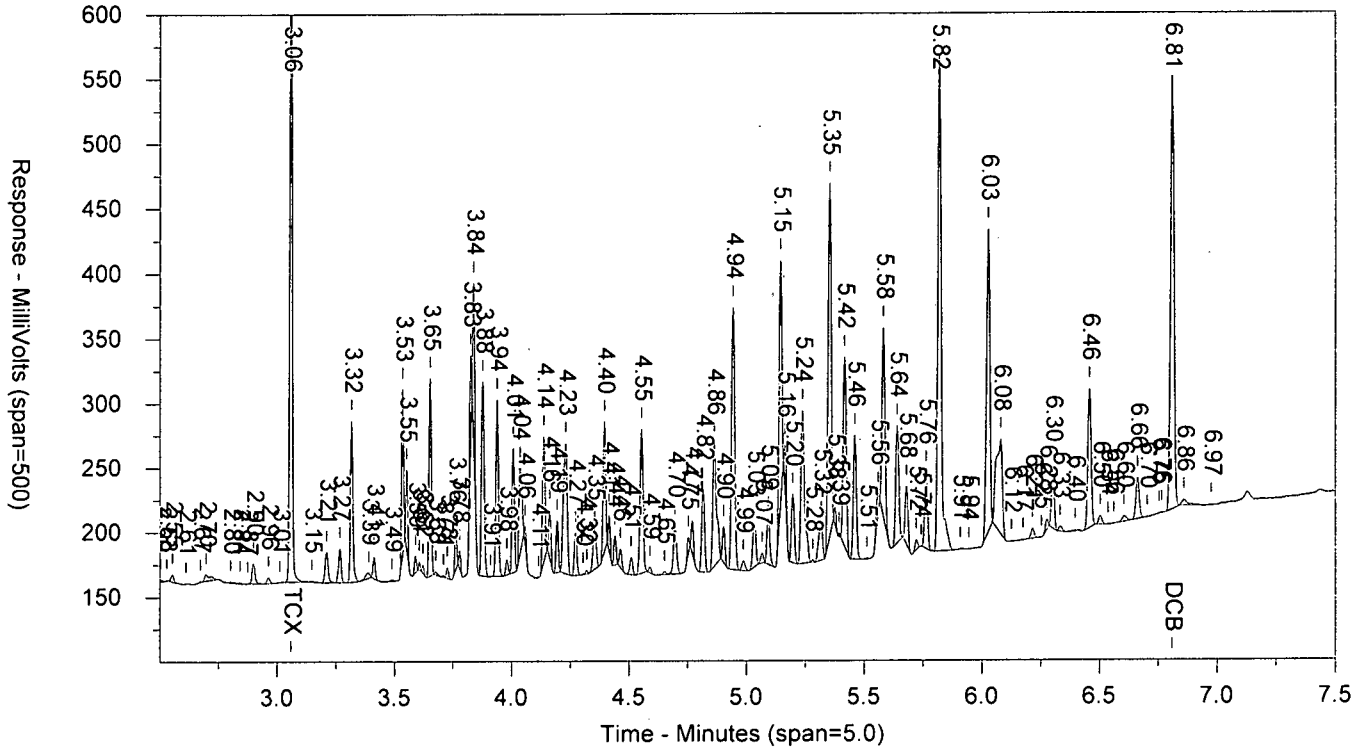

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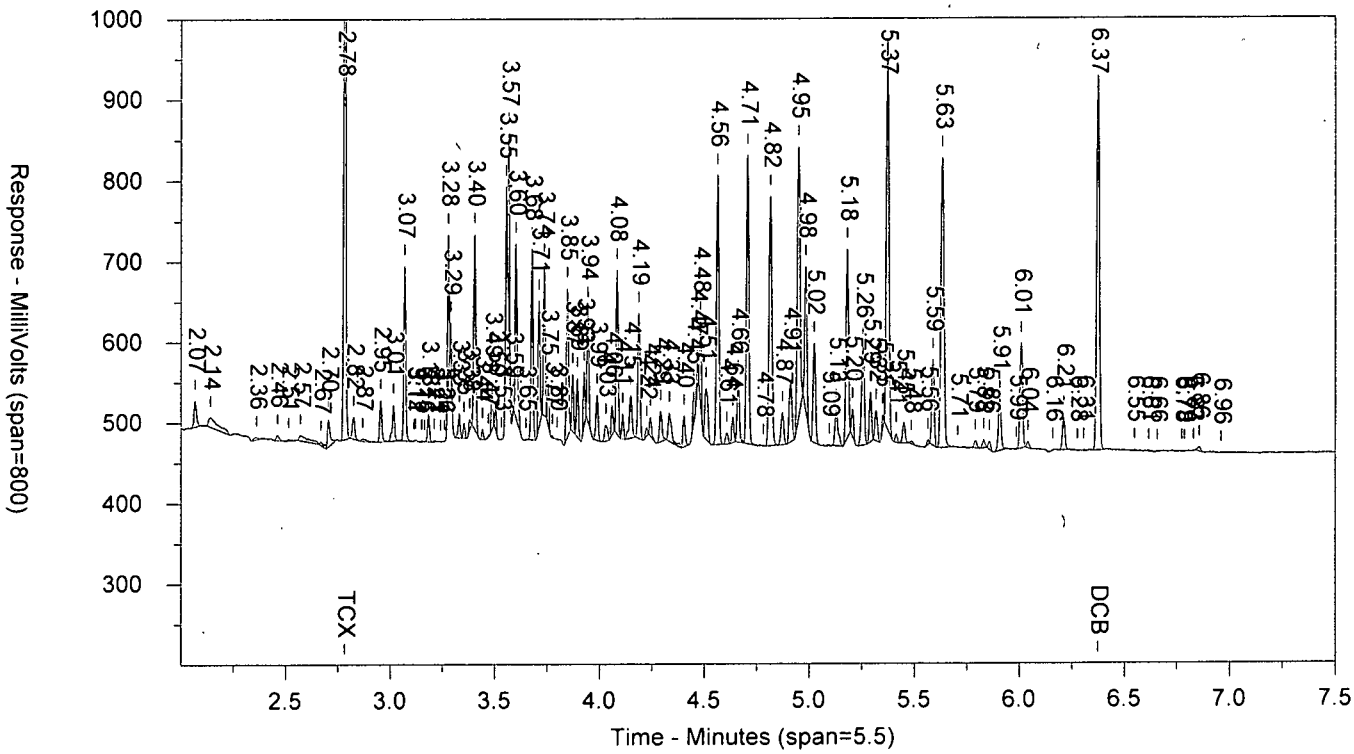

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:43:01 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: 25PCBS17309001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1278	1058
2.074		1437	931
2.096		9804	9649
2.145		969	1090
2.211		7603	12062
2.277		2856	5315
2.313		1045	935
2.346		11520	11678
2.436		14631	9361
2.458		5152	3866
2.496		1288	1548
2.535		1028	541
2.553		7733	6425
2.613		876	499
2.673		829	483
2.696		7569	5827
2.801		1223	1110
2.842		1043	905
2.872		491	174
2.898		15448	13338
2.962		5404	5129
2.997		455	161
3.025		358	248
3.057	TCX	2720545	1820915
3.16		927	689
3.21		51505	44023
3.266		59408	56426
3.315		237122	171804
3.392		6039	5817
3.411		37116	23587
3.492		1225	1468
3.533		235384	143442
3.55		112111	63434
3.588		27919	16089
3.605		12656	5659
3.62		13072	6730
3.651		296480	219715
3.709		8068	4414
3.726		16050	9581
3.763		58802	34493
3.778		28414	14267
3.824		141651	77439
3.837		235034	130559
3.876		303149	239635
3.938		264559	204605
3.979		27581	17897
4.006		181100	136139
4.035		123938	123892
4.057		32669	15388
4.136		192385	141110
4.162		71444	45966
4.193		85066	59457
4.229		203453	229093
4.272		69851	52872

RT A	Compound A	Height A	Area A
4.317		7929	6466
4.353		44369	40940
4.394		197461	147034
4.414		52306	31751
4.439		54018	37740
4.461		12692	8964
4.509		28175	23464
4.553		208931	195090
4.589		8245	5519
4.651		5551	5020
4.695		70015	69476
4.752		28868	18238
4.769		53925	35358
4.815		125275	109631
4.863		176847	206573
4.902		56286	41356
4.942		401157	370394
4.986		16154	14280
5.034		68664	69586
5.068		20131	15442
5.093		70120	59496
5.145		389230	302803
5.164		69715	43140
5.197		103379	92916
5.237		234025	258520
5.281		4454	2398
5.315		72645	88081
5.353		514661	488308
5.376		25157	12905
5.393		6743	2670
5.417		280485	251349
5.459		186184	171236
5.52		519	544
5.56		27740	31423
5.581		290825	244058
5.639		168019	150262
5.679		94448	83056
5.721		24491	22492
5.761		118907	112971
5.818		726935	788574
5.906		2064	2298
5.975		795	776
6.025		448615	452413
6.066		23583	40046
6.079		62740	41478
6.12		520	244
6.165		407	124
6.213		24416	23373
6.276		19147	15929
6.299		86720	72517
6.331		3457	3248
6.389		661	622
6.455		208284	206671
6.501		14432	13791
6.528		567	236
6.561		351	235
6.605		3432	4233
6.659		72746	70713
6.695		772	224
6.762		1492	1840
6.808	DCB	1602875	1606042
6.858		2356	1915
6.908		1032	1411

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:43:01 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: 25PCBS17309001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.029		1773	1197
2.068		33028	44599
2.14		15636	28649
2.209		10723	12141
2.303		4776	8772
2.355		4385	6289
2.461		12924	11666
2.514		2130	2588
2.573		6294	8362
2.666		2970	3754
2.704		31242	25144
2.746		3086	2880
2.781	TCX	4879072	3004835
2.824		53819	41770
2.876		2817	4775
2.93		1689	788
2.954		99973	72826
3.003		29239	13381
3.015		63451	31331
3.068		418013	272165
3.108		594	80
3.121		10650	5817
3.145		958	271
3.158		2238	1473
3.182		69973	44599
3.202		1135	293
3.212		2931	1429
3.23		481	95
3.237		577	136
3.244		1450	282
3.252		583	194
3.278		354070	180505
3.291		120150	46662
3.331		60110	38683
3.354		38835	22796
3.38		31277	17108
3.404		480387	332718
3.44		28707	16805
3.47		17052	8404
3.487		104285	55360
3.503		59868	30056
3.527		564	187
3.533		651	132
3.555		260252	125696
3.565		424901	194690
3.586		25668	9969
3.6		416334	297589
3.653		1262	453
3.677		465480	302610
3.71		305030	189498
3.735		359082	212632
3.754		99206	51031
3.773		6032	2833
3.794		2814	6760

RT B	Compound B	Height B	Area B
3.845		362369	261601
3.871		138340	81775
3.893		142124	89872
3.925		133601	73799
3.943		281394	172589
3.988		111717	85041
4.029		38396	39406
4.059		71887	46323
4.082		399393	277419
4.109		71561	43823
4.131		10886	5058
4.148		69126	47818
4.186		310085	226932
4.224		19581	13107
4.242		51300	34091
4.291		36974	32942
4.332		68978	72027
4.378		6794	4191
4.402		80748	58586
4.45		75493	44452
4.467		53549	25768
4.48		195894	116396
4.508		124563	129897
4.562		651406	531086
4.606		29621	23972
4.635		66928	46653
4.661		143531	104715
4.682		9421	4034
4.705		689378	559067
4.815		616301	589793
4.873		83379	74433
4.911		151703	151215
4.949		692862	588254
4.982		345443	250651
5.023		242989	199542
5.091		2456	2198
5.127		91011	92890
5.179		453904	376970
5.204		68639	45187
5.254		255776	228154
5.29		120817	94238
5.317		79728	71651
5.35		30061	17227
5.371		1021033	827585
5.413		22113	15962
5.449		73090	69459
5.525		2053	1790
5.564		11259	7052
5.587		211524	176532
5.632		702254	736511
5.734		2198	2530
5.789		30888	27265
5.829		19275	14924
5.856		31652	25964
5.905		128331	112584
5.97		1226	423
6.007		276786	232946
6.038		16937	12614
6.075		1060	671
6.163		2386	3054
6.209		93669	85014
6.371	DCB	2237350	1991052
6.698		1015	1619
6.764		1390	1115
6.824		1483	452
6.854		5403	5945

RT B	Compound B	Height B	Area B
6.902		1377	2506

AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082

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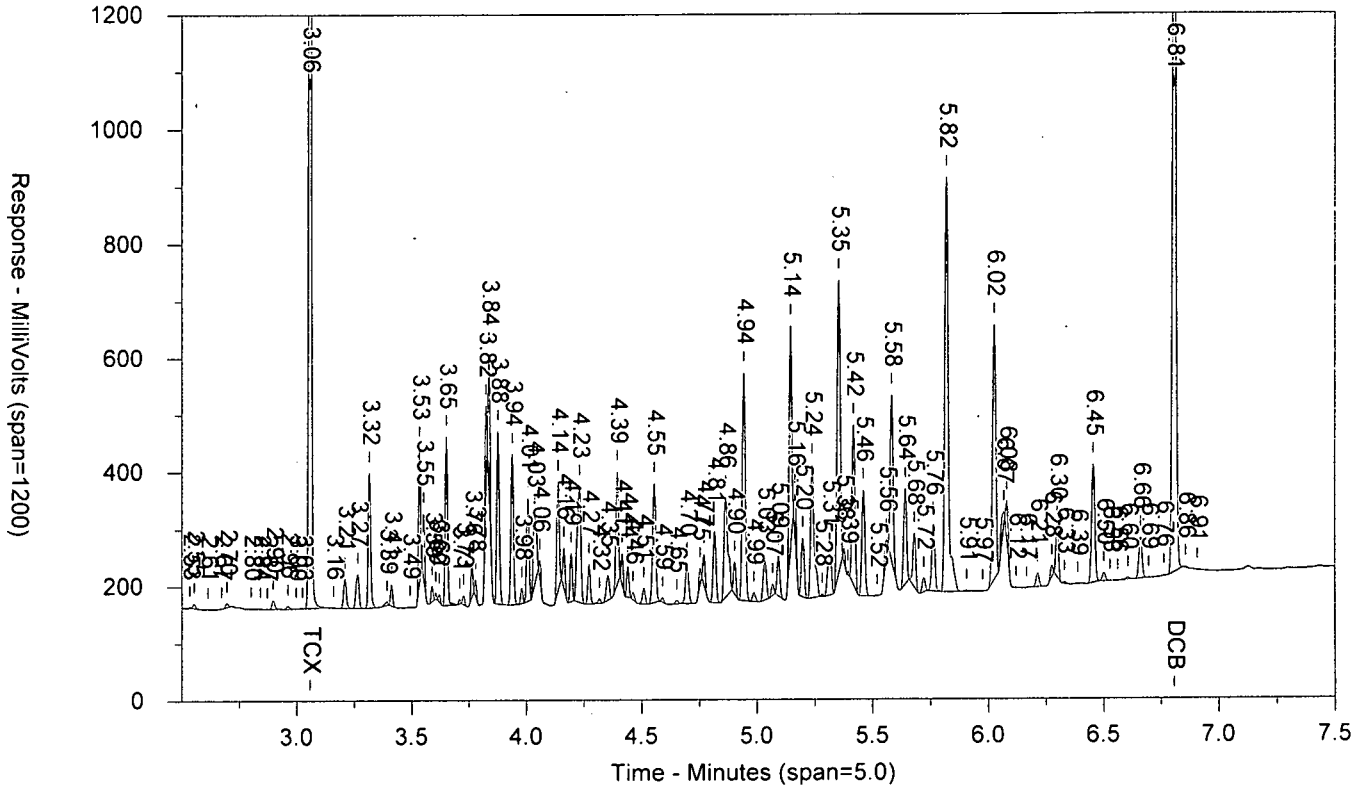

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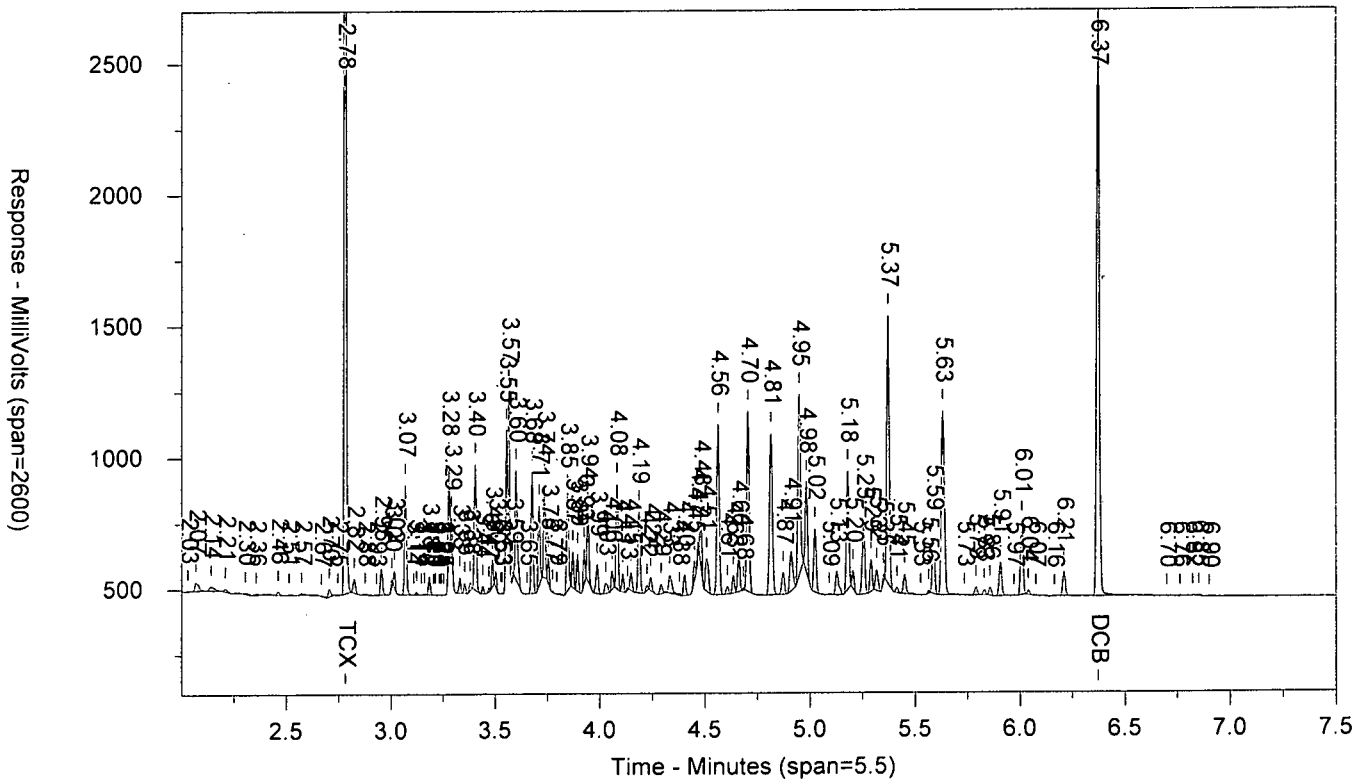

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:43:01 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
3.057	2720545	40.646	TCX	2.781	4879072	63.88	TCX
6.808	1602875	52.15	DCB	6.371	2237350	54.834	DCB

Files:
Area File: 25PCBS17309001.009.RAW
Area File: 25PCBS17309001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 7:51:31 PM
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AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082

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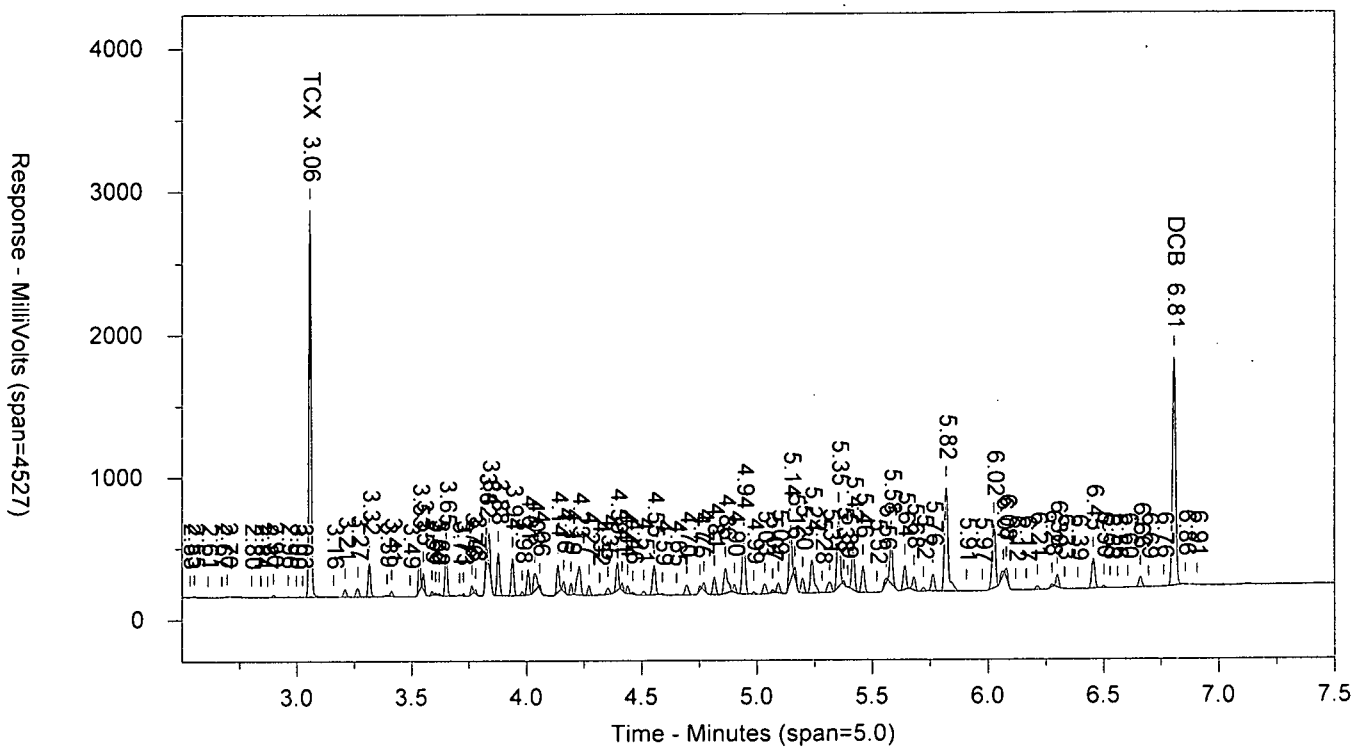

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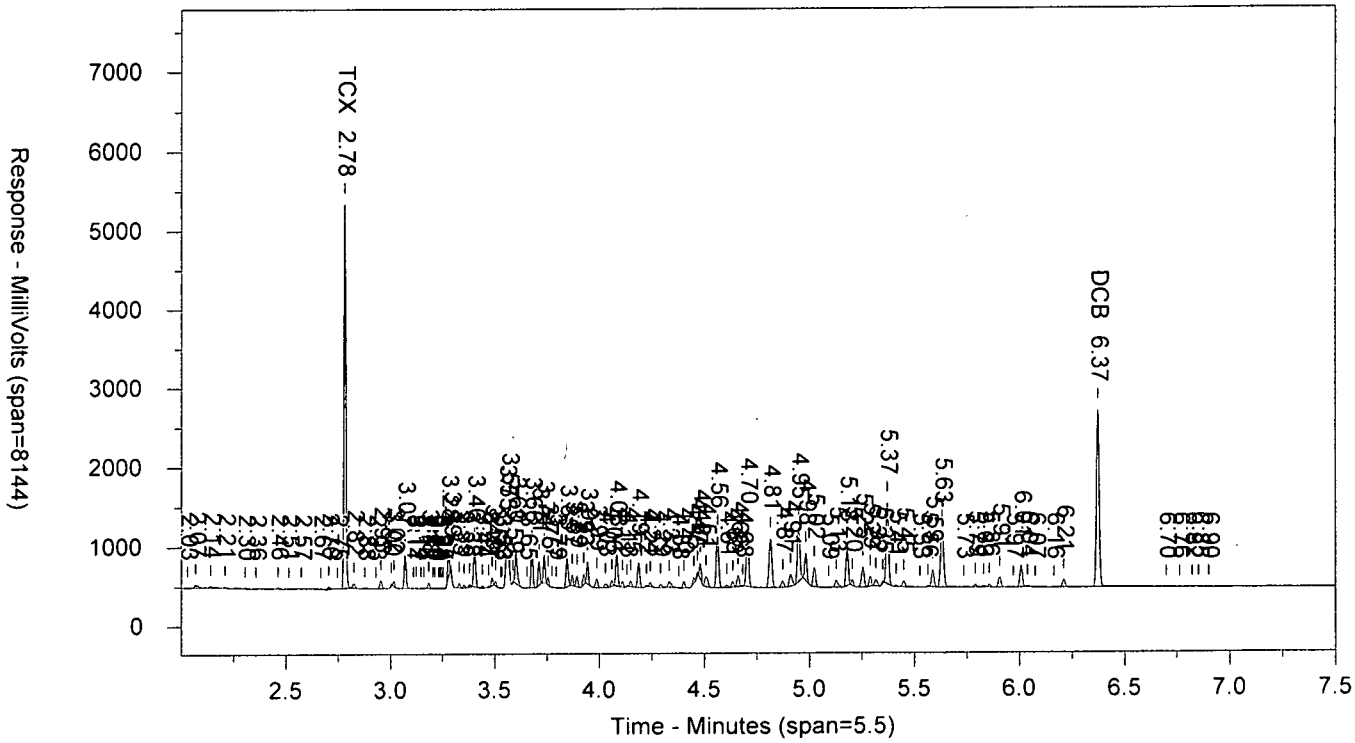

AR1631724B AAAR163AA ICAL 1730899999 10225 SW-846 8082

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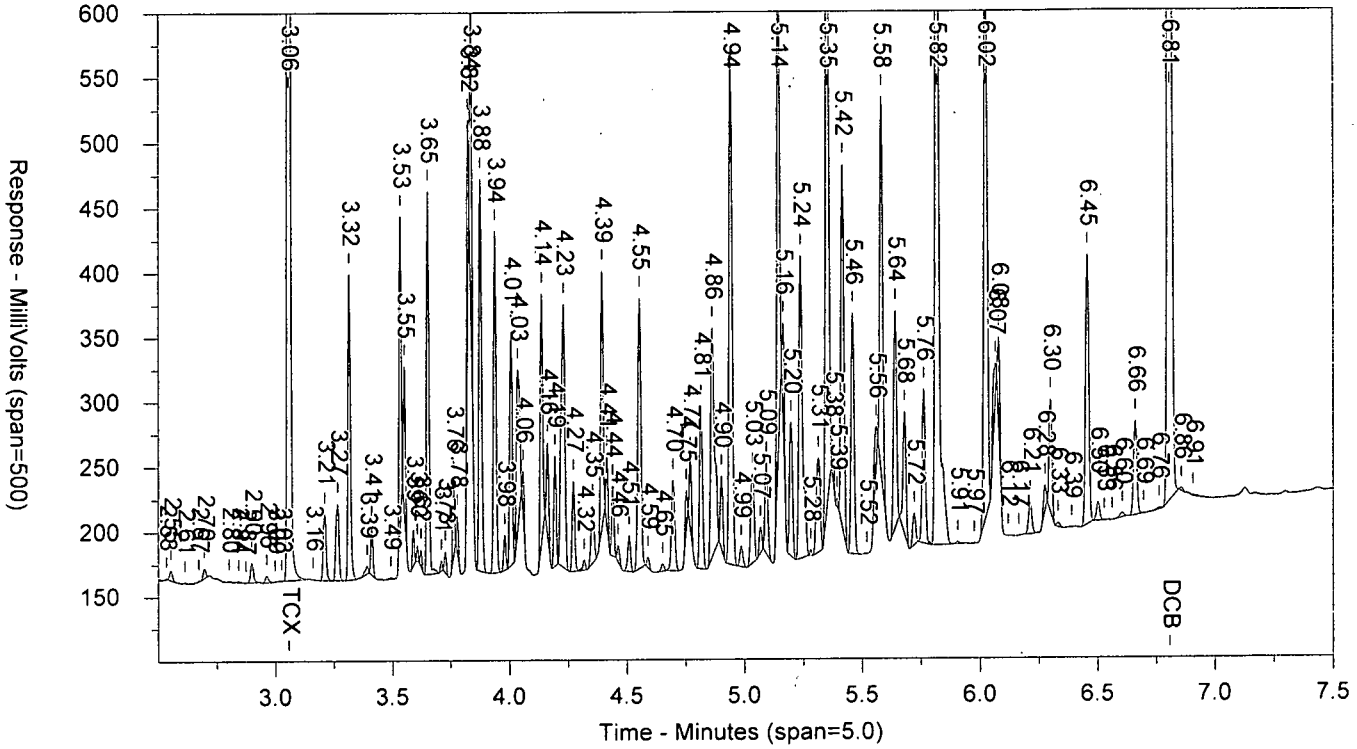

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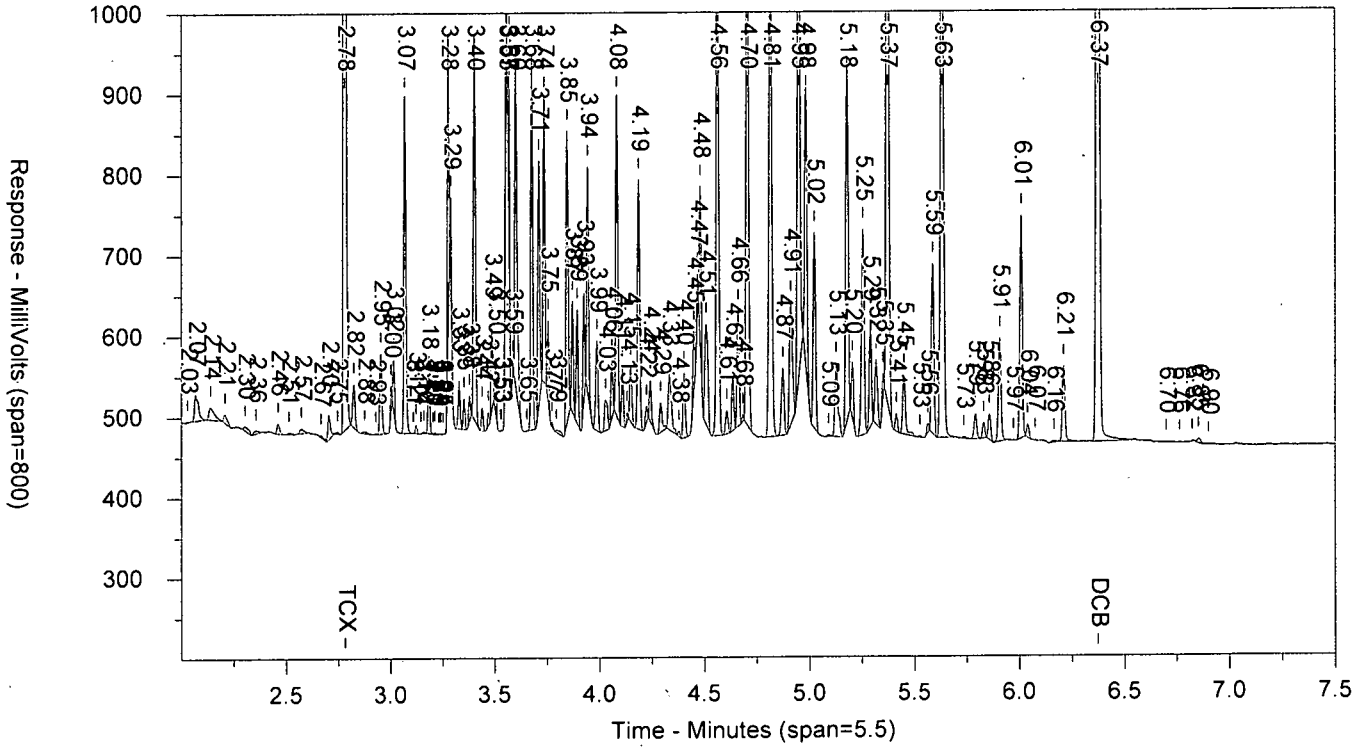

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:54:17 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: 25PCBS17309001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.094		8349	9896
2.213		4800	7849
2.281		3141	5349
2.344		25172	22558
2.434		16193	10400
2.456		10436	8257
2.499		1357	1534
2.53		676	352
2.552		8528	7494
2.672		686	503
2.694		18621	27497
2.797		863	2261
2.868		518	359
2.897		14590	13167
2.961		3763	4607
3.015		393	336
3.056	TCX	5726347	3769583
3.141		923	520
3.159		1597	1133
3.208		101844	88467
3.264		118636	114814
3.314		482761	334856
3.391		8760	6036
3.41		76184	49841
3.45		1363	802
3.486		1601	1545
3.532		472545	284757
3.549		227815	125170
3.587		58165	32821
3.604		27082	12730
3.619		29435	15462
3.65		616220	434692
3.708		16207	8813
3.725		37232	21821
3.761		110216	67452
3.777		59699	31418
3.823		275111	150280
3.836		526705	279871
3.875		604541	479304
3.937		536433	410929
3.978		57029	37260
4.004		360448	261071
4.033		245463	237988
4.055		57122	26598
4.135		373646	275925
4.161		136268	92128
4.192		158761	118494
4.228		395928	455579
4.27		138551	108033
4.316		16523	14626
4.354		63070	54154
4.393		366763	282874
4.414		102987	61343
4.439		108660	81033

RT A	Compound A	Height A	Area A
4.461		13499	7860
4.508		58934	49011
4.552		409807	377670
4.588		17321	11536
4.651		10971	10847
4.694		130355	131599
4.751		57371	38290
4.768		101233	65863
4.814		234172	213882
4.862		354987	397176
4.901		107540	80480
4.941		781423	726434
4.985		33576	29682
5.032		136625	143037
5.067		38626	28532
5.091		130953	112752
5.144		742917	597014
5.162		117517	71206
5.195		196985	175418
5.236		461676	507458
5.28		9997	5575
5.313		140017	170471
5.351		1052947	965689
5.374		46254	23900
5.392		12736	4870
5.415		525116	474375
5.457		350413	332453
5.506		636	592
5.556		60105	56765
5.579		560258	477377
5.637		311056	279402
5.676		181598	159356
5.718		54228	50459
5.759		236265	219461
5.816		1498499	1569666
5.901		2300	2676
5.968		961	716
6.022		886507	892370
6.063		45898	75638
6.076		96548	70085
6.177		414	398
6.211		43634	42953
6.273		33645	29319
6.296		162980	141803
6.33		2344	1927
6.404		1430	1963
6.452		410250	401326
6.498		29891	27267
6.56		724	177
6.584		646	245
6.6		1487	1443
6.656		136849	135738
6.729		508	193
6.751		883	277
6.768		513	429
6.805	DCB	3174043	3244444
6.932		999	658

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:54:17 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: 25PCBS17309001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.038		1258	1532
2.077		46630	67462
2.146		9126	18277
2.207		19704	19890
2.304		8350	10141
2.357		3750	5272
2.429		1860	2177
2.462		28795	25110
2.575		9180	59302
2.673		11305	15099
2.704		26764	20063
2.737		3327	3675
2.782	TCX	10075630	6262864
2.825		105728	83365
2.869		3520	5007
2.954		199246	146213
3.003		56900	27374
3.015		122539	58715
3.069		828561	534598
3.122		21524	12510
3.183		140321	93157
3.212		1255	298
3.217		1163	325
3.229		558	147
3.241		1552	930
3.26		449	193
3.279		681470	352884
3.291		223163	88670
3.332		118681	74537
3.355		76896	46228
3.381		68850	38159
3.404		942751	668079
3.441		58543	34817
3.47		32434	15356
3.487		207096	111292
3.504		121224	59620
3.533		1237	309
3.555		580943	277165
3.566		903029	401137
3.586		49539	18109
3.601		857401	606280
3.651		804	215
3.677		937327	615700
3.711		590815	375418
3.736		731142	422416
3.754		204315	103311
3.772		6965	3843
3.798		1785	3347
3.846		720616	518831
3.871		281901	163568
3.893		269105	172883
3.926		258491	143146
3.943		552717	342897
3.988		230889	172001

RT B	Compound B	Height B	Area B
4.029		76434	80385
4.06		141127	92409
4.083		790831	543767
4.11		153290	95641
4.132		26737	13339
4.149		106586	69988
4.187		593025	443804
4.224		40154	26814
4.243		94516	66494
4.292		33057	23129
4.313		4373	2044
4.333		139274	143786
4.379		12489	7005
4.402		159540	119189
4.45		148453	87686
4.467		116600	58485
4.481		392669	234319
4.508		245357	253528
4.563		1275982	1050036
4.607		59340	48625
4.636		126114	91897
4.661		278039	204074
4.683		17581	7762
4.705		1414007	1111688
4.815		1261240	1181376
4.873		159075	145303
4.912		299753	294691
4.949		1426983	1195423
4.983		686681	499910
5.024		487226	390169
5.091		3965	3743
5.127		175812	186361
5.18		907682	748640
5.205		128164	86048
5.255		487984	444274
5.29		240210	184765
5.317		155694	137650
5.35		59313	33745
5.371		2065797	1701892
5.413		45266	33734
5.449		138335	119393
5.486		3062	2271
5.564		21961	13858
5.587		414912	350193
5.632		1419181	1490445
5.731		1050	558
5.789		57571	48754
5.828		39618	30664
5.856		55067	44645
5.905		249915	224170
6.008		543912	461733
6.039		33038	24073
6.162		2404	2905
6.209		173439	159162
6.309		1203	805
6.335		1605	685
6.372	DCB	4482403	3975571
6.55		3245	5012
6.609		1599	2053
6.645		1393	478
6.825		4150	3350
6.857		6016	6135
6.958		995	449

AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082

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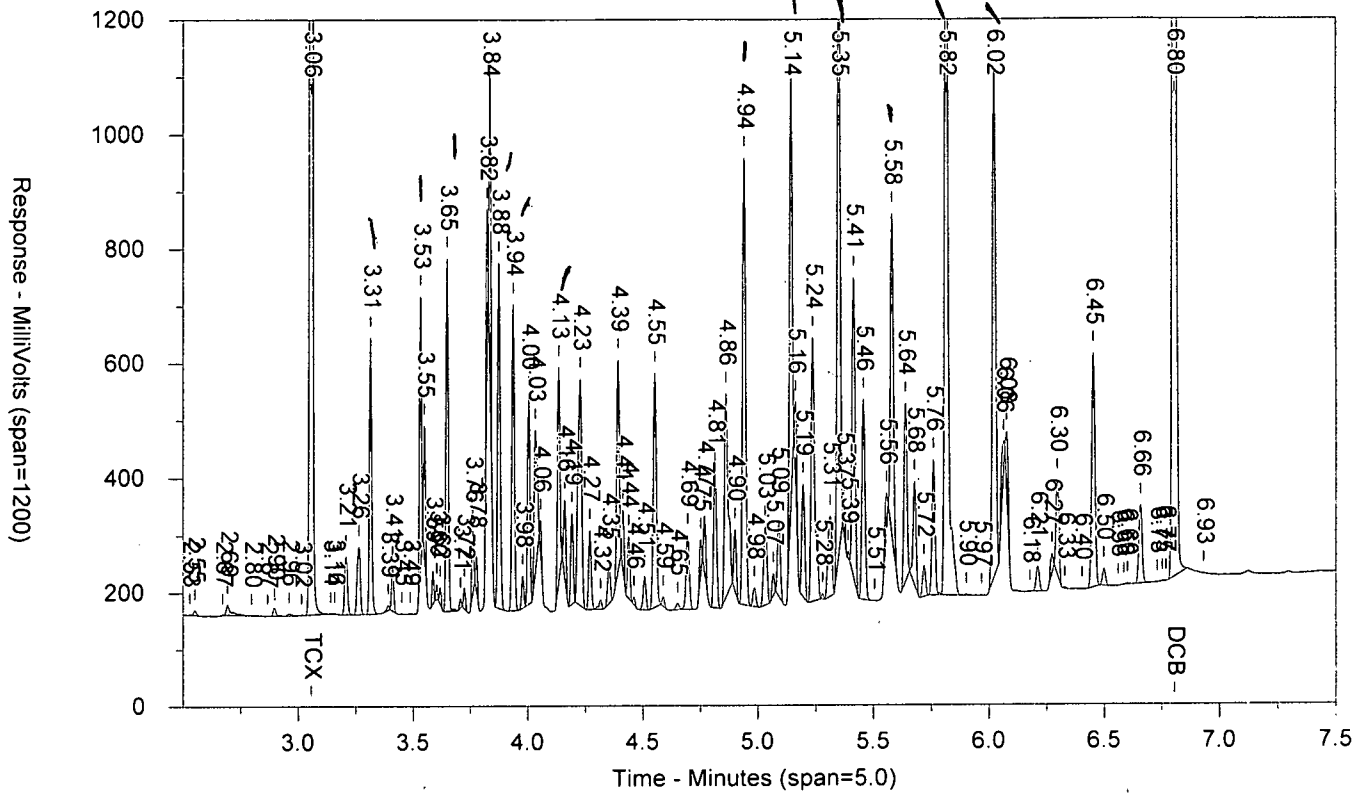

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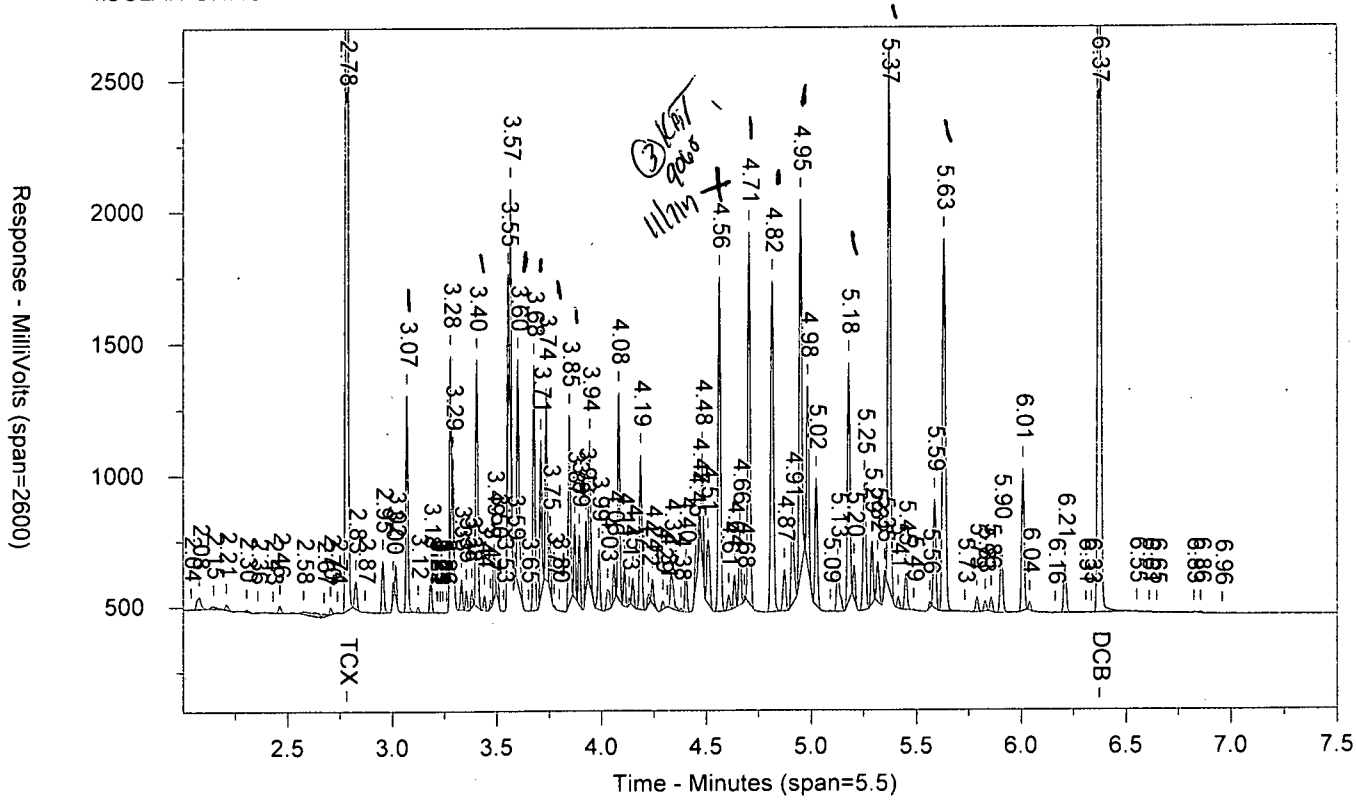

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 7:54:17 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
3.056	5726347	85.554	TCX	2.782	10075630	86.089	TCX
6.805	3174043	72.162	DCB	6.372	4482403	75.543	DCB

Files:
Area File: 25PCBS17309001.010.RAW
Area File: 25PCBS17309001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:02:47 PM
File Reported On: 11/7/2017 at 11:56:26 AM

AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082

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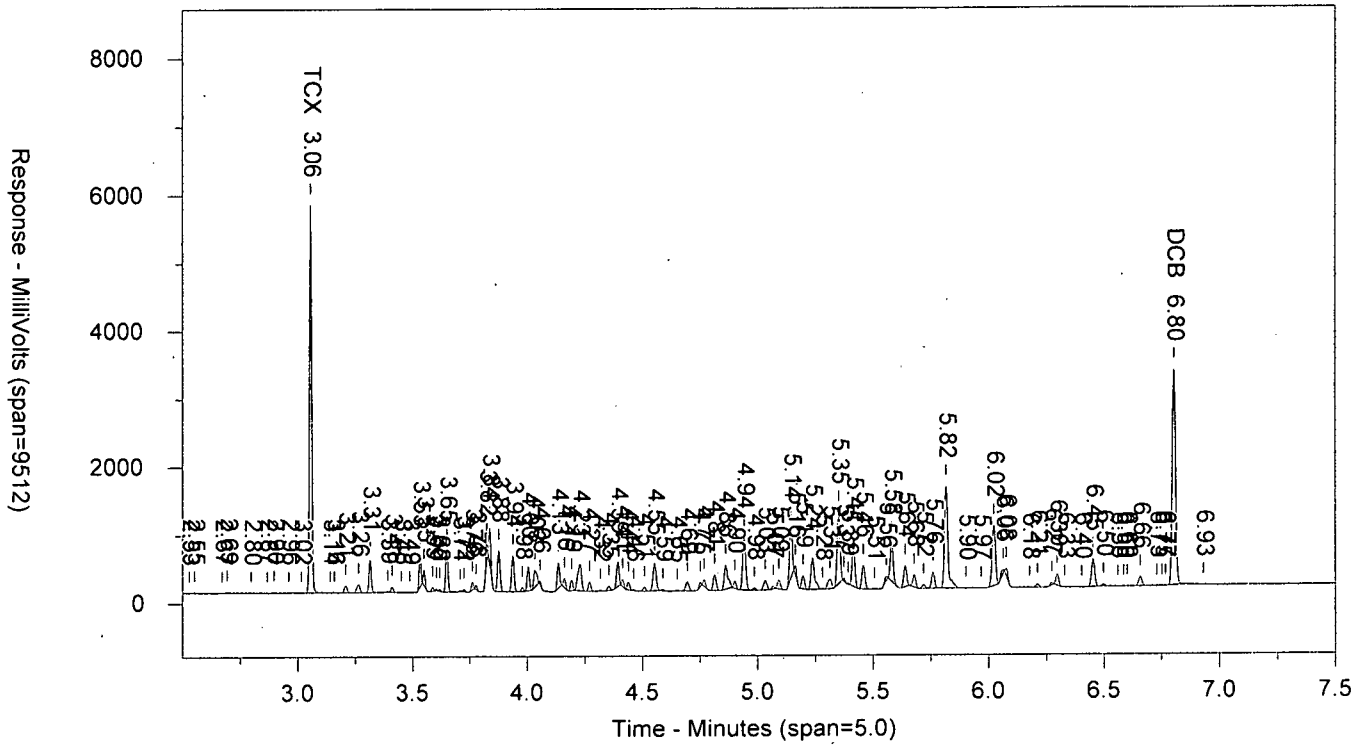

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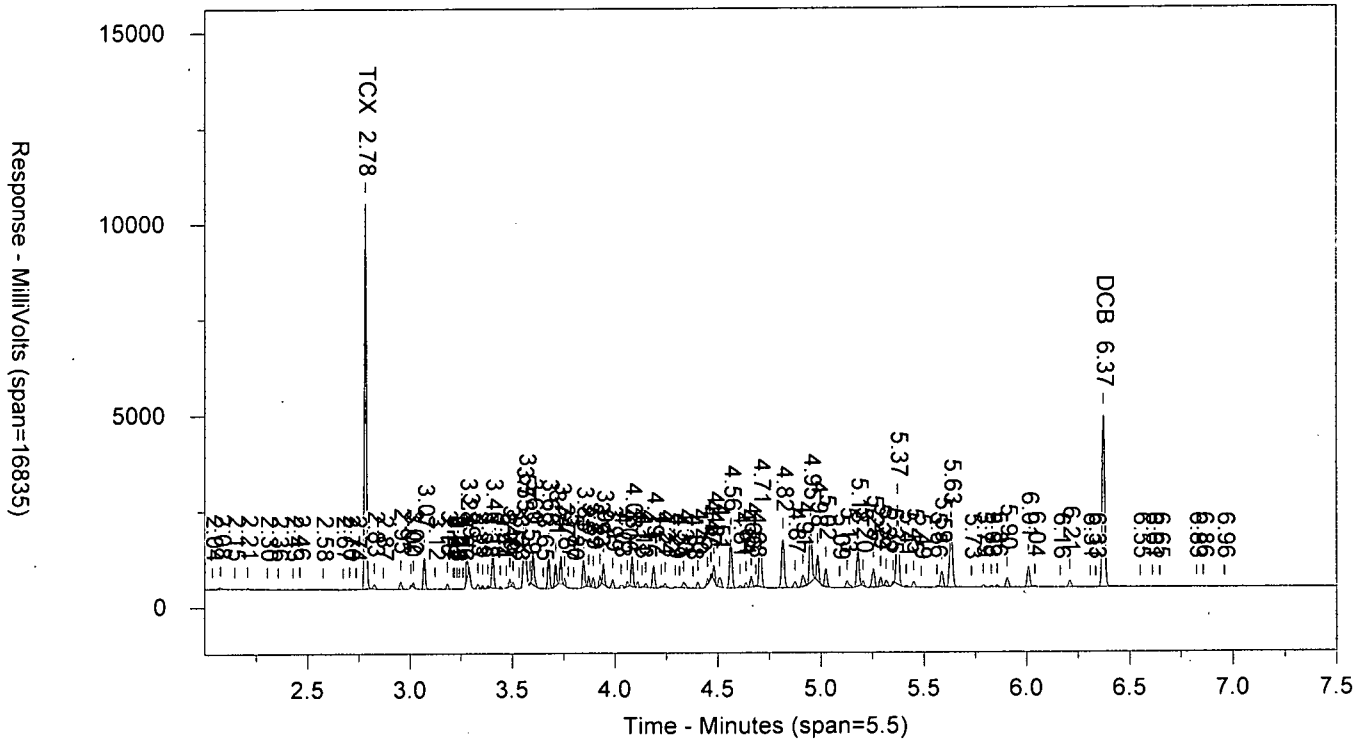

AR1641724B AAAR164AA ICAL 1730899999 10225 SW-846 8082

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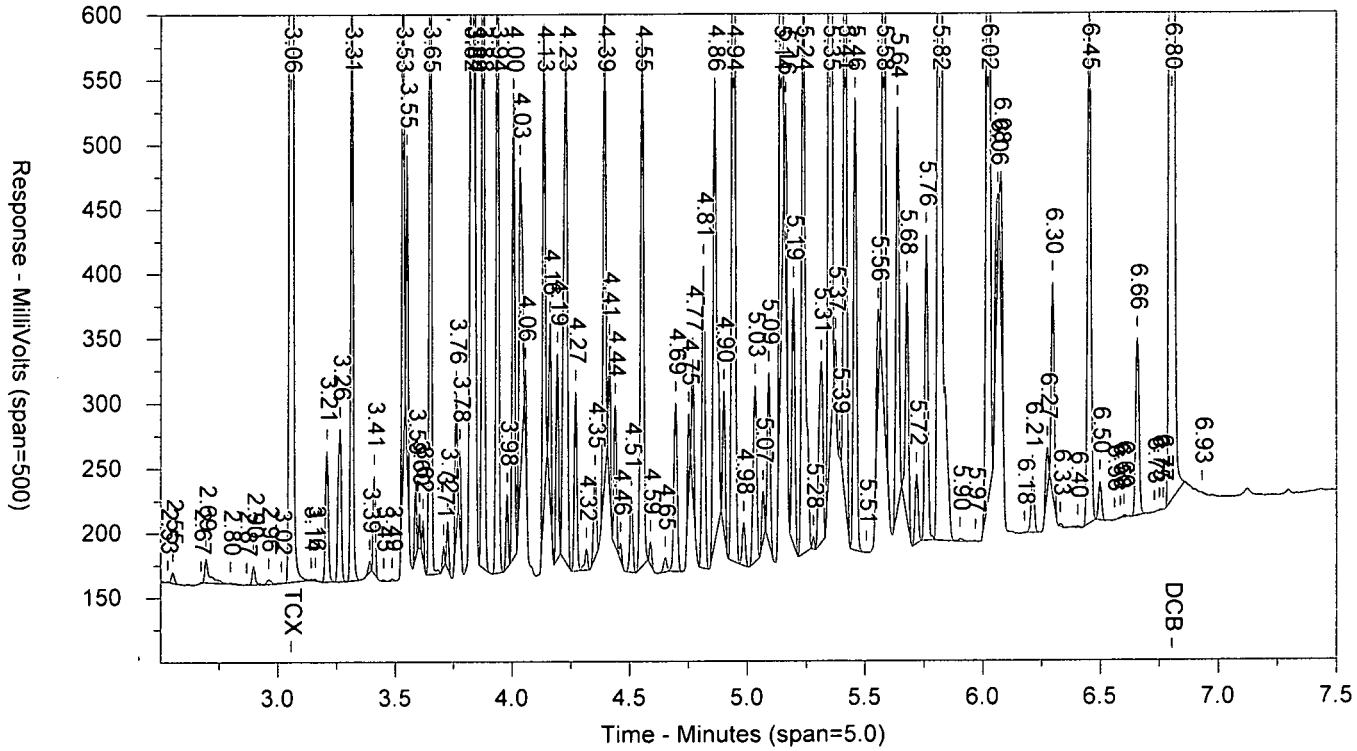

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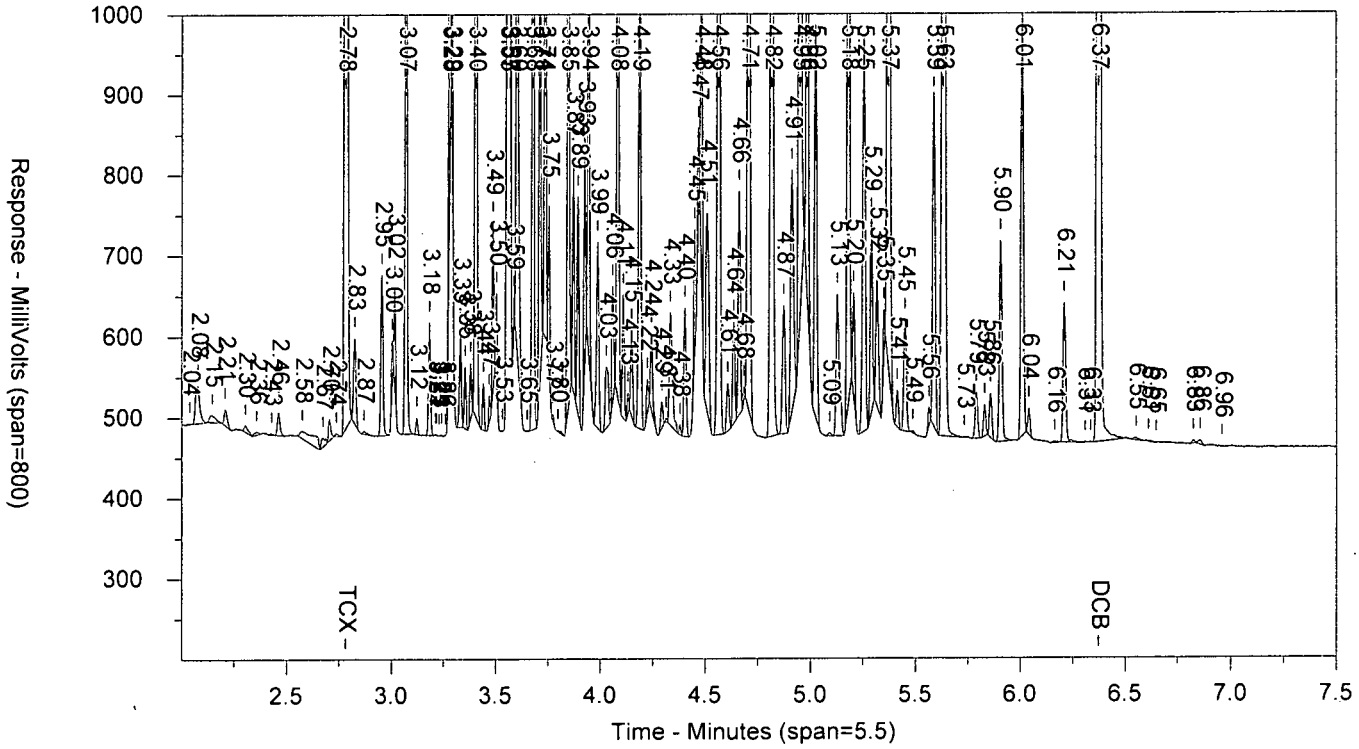

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:05:31 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: 25PCBS17309001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.023		1043	639
2.071		1204	1098
2.095		6137	5749
2.144		822	490
2.208		5477	8280
2.276		3203	5626
2.308		1116	930
2.344		36824	33176
2.434		10052	6159
2.455		15338	12613
2.494		1081	1312
2.533		578	388
2.552		9514	8081
2.611		798	524
2.675		696	662
2.694		44326	48242
2.801		859	645
2.837		708	551
2.897		13445	12385
2.971		4859	6068
2.994		371	174
3.056	TCX	8475360	5597900
3.158		2800	1616
3.208		221229	202777
3.265		244322	221350
3.314		1103352	765905
3.39		11410	6239
3.409		172661	118731
3.449		3247	2007
3.487		1794	1805
3.532		1118675	655162
3.549		514748	282279
3.586		127416	73953
3.603		63642	29811
3.618		68074	34215
3.65		1407326	993588
3.684		4715	2419
3.707		26075	14938
3.724		85755	55540
3.761		256414	150342
3.776		128305	69535
3.823		643145	357154
3.836		1220642	643801
3.875		1447389	1108051
3.936		1245493	948906
3.978		121802	84143
4.004		778808	571531
4.033		574005	547071
4.056		113308	54635
4.135		867151	627516
4.16		303939	198694
4.192		359482	260758
4.228		913857	1032791
4.27		302146	238957

RT A	Compound A	Height A	Area A
4.301		4098	2140
4.316		38215	25402
4.354		120339	96896
4.393		869614	646878
4.414		238137	137969
4.438		240749	180962
4.46		7195	3949
4.507		128731	113483
4.552		912360	849061
4.587		43145	29437
4.65		27564	23821
4.694		303962	300345
4.751		120413	79114
4.767		206752	138271
4.814		541847	478188
4.861		805777	880257
4.9		234374	176913
4.94		1792124	1657110
4.984		82185	75680
5.032		298119	315813
5.067		68183	49611
5.09		292829	245935
5.143		1741547	1367014
5.162		301769	165190
5.194		443069	381015
5.236		1116036	1143249
5.279		22649	12986
5.314		268193	330946
5.35		2497706	2275153
5.374		119657	58828
5.391		26557	10662
5.414		1210494	1054704
5.457		788355	732750
5.516		538	249
5.557		139288	138333
5.579		1337584	1094691
5.636		697670	606551
5.676		373273	348577
5.718		108776	101527
5.759		515729	475020
5.785		3974	1700
5.815		3705148	3621035
5.903		4392	5246
6.022		2081705	2046639
6.066		55111	168463
6.075		207956	156573
6.173		1448	834
6.21		79371	79088
6.272		68089	58743
6.296		366834	310955
6.397		927	1226
6.452		908663	882453
6.497		63501	60163
6.546		748	517
6.601		2246	3201
6.656		289622	280101
6.732		740	877
6.755		1367	1454
6.804	DCB	4861856	4819766
6.979		787	652

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:05:31 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: 25PCBS17309001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.077		63983	79169
2.14		11606	24552
2.209		27567	28743
2.303		11716	14331
2.356		2925	4562
2.422		2014	2652
2.461		65617	59486
2.573		5115	8046
2.67		4407	5950
2.705		25602	18882
2.736		7095	5679
2.782	TCX	15269950	9404003
2.825		233407	192053
2.954		452923	329640
3.003		67956	30629
3.015		297870	157391
3.069		1878479	1201491
3.122		30149	17245
3.151		1287	1124
3.183		310745	210122
3.226		870	211
3.232		1155	410
3.241		989	172
3.279		1534863	777184
3.291		545214	217393
3.332		260998	165530
3.354		174698	104709
3.38		156179	87201
3.405		2190115	1538510
3.441		132090	82287
3.47		43788	21029
3.488		466189	251278
3.504		264442	133801
3.532		1203	274
3.555		1393220	624999
3.566		2201509	997843
3.586		104149	38080
3.6		1941811	1400670
3.677		2230186	1423813
3.711		1361536	825810
3.736		1687656	975451
3.754		435441	222078
3.773		14959	7302
3.846		1647544	1166647
3.871		608918	363896
3.893		608616	386317
3.926		593764	331439
3.943		1282137	766385
3.987		499861	389386
4.029		174855	190240
4.06		320103	203056
4.083		1840495	1251235
4.11		344938	217218
4.131		65528	33165

RT B	Compound B	Height B	Area B
4.149		200810	127491
4.187		1365324	1007717
4.225		91043	63521
4.243		218570	148209
4.291		29641	18980
4.313		12174	7292
4.332		343693	349132
4.378		23391	13021
4.403		369285	274765
4.449		325227	192614
4.467		257839	122351
4.48		902436	528198
4.508		544408	570988
4.562		3084021	2442030
4.607		135135	112831
4.635		282878	202522
4.661		622377	455527
4.683		21756	10075
4.705		3388867	2593777
4.815		2992087	2761694
4.873		351164	323573
4.911		684549	647016
4.949		3379152	2866826
4.982		1522802	1114846
5.023		1102514	881185
5.091		7449	7793
5.127		394401	419311
5.18		2213265	1738192
5.204		292784	198205
5.255		1086142	992591
5.29		534022	406434
5.316		337850	298766
5.35		140688	84526
5.371		5016678	4092645
5.412		100793	75991
5.448		274178	240041
5.524		2464	1547
5.563		47750	30437
5.587		951652	782235
5.631		3341253	3503754
5.731		2127	1305
5.789		102453	89908
5.828		90379	70482
5.856		99567	80990
5.905		560325	487754
6.008		1212786	1047677
6.039		76931	56862
6.158		2202	2865
6.209		360836	319199
6.291		1239	773
6.324		1514	1171
6.371	DCB	6563540	5724760
6.55		6004	4965
6.712		1339	497
6.823		6024	4833
6.855		5277	4543

AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082

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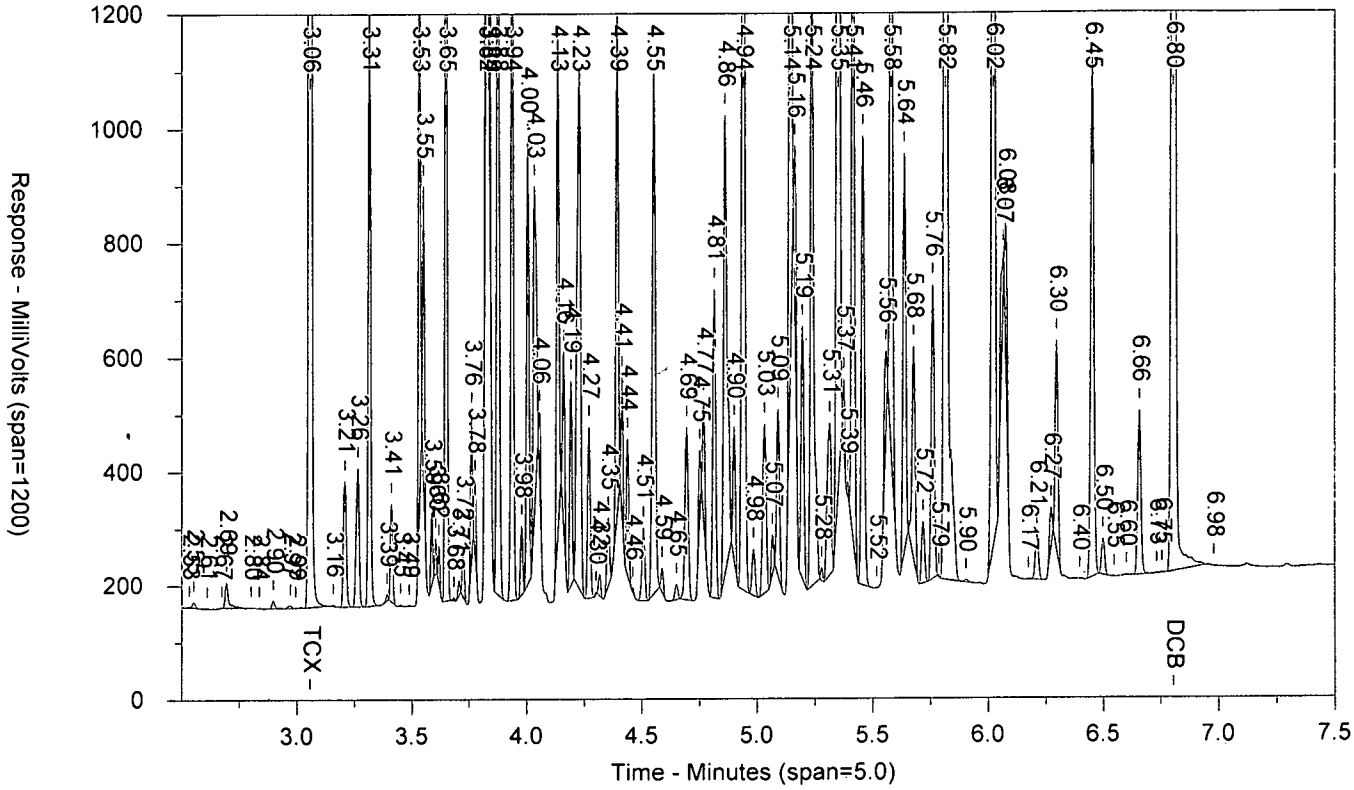

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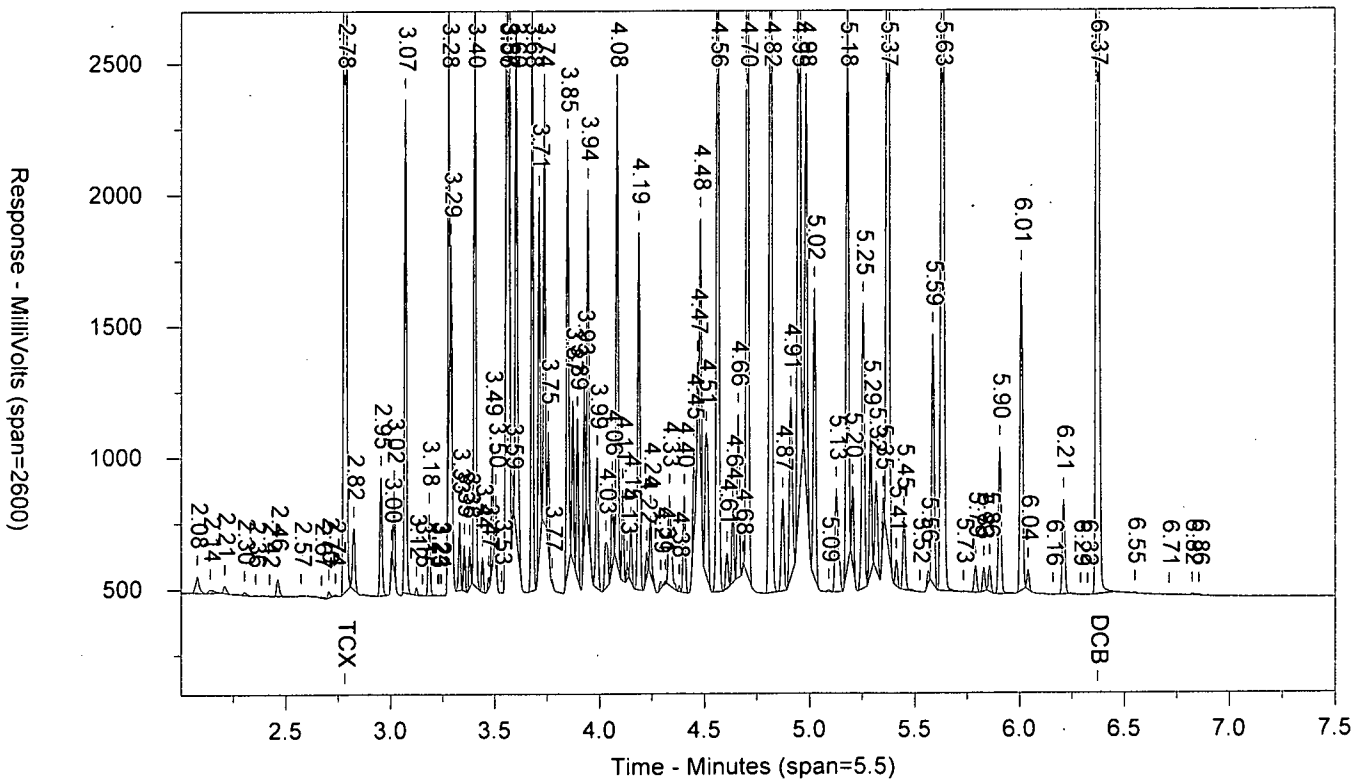

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:05:31 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
3.056	8475360	93.349	TCX	2.782	15269950	96.026	TCX
6.804	4861856	85.109	DCB	6.371	6563540	84.255	DCB

Files:
Area File: 25PCBS17309001.011.RAW
Area File: 25PCBS17309001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:14:03 PM
File Reported On: 11/7/2017 at 11:57:00 AM

AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082

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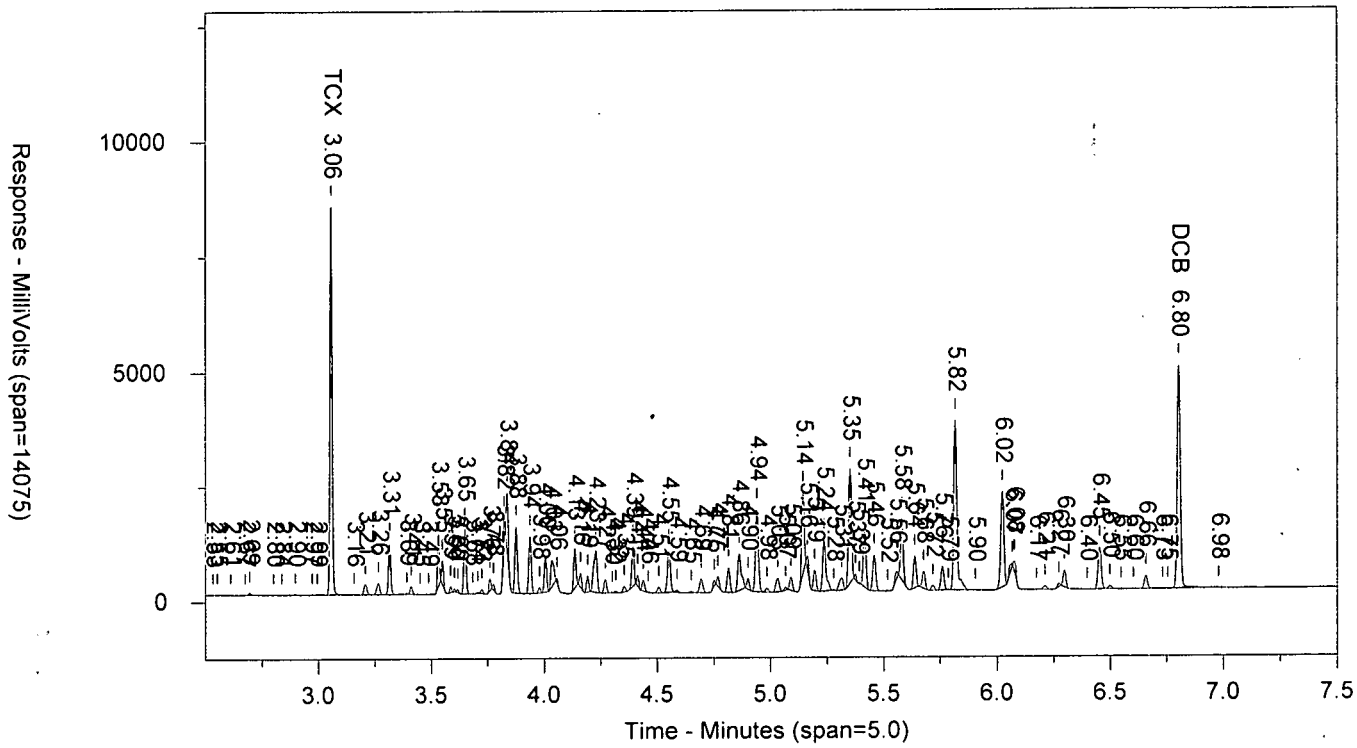

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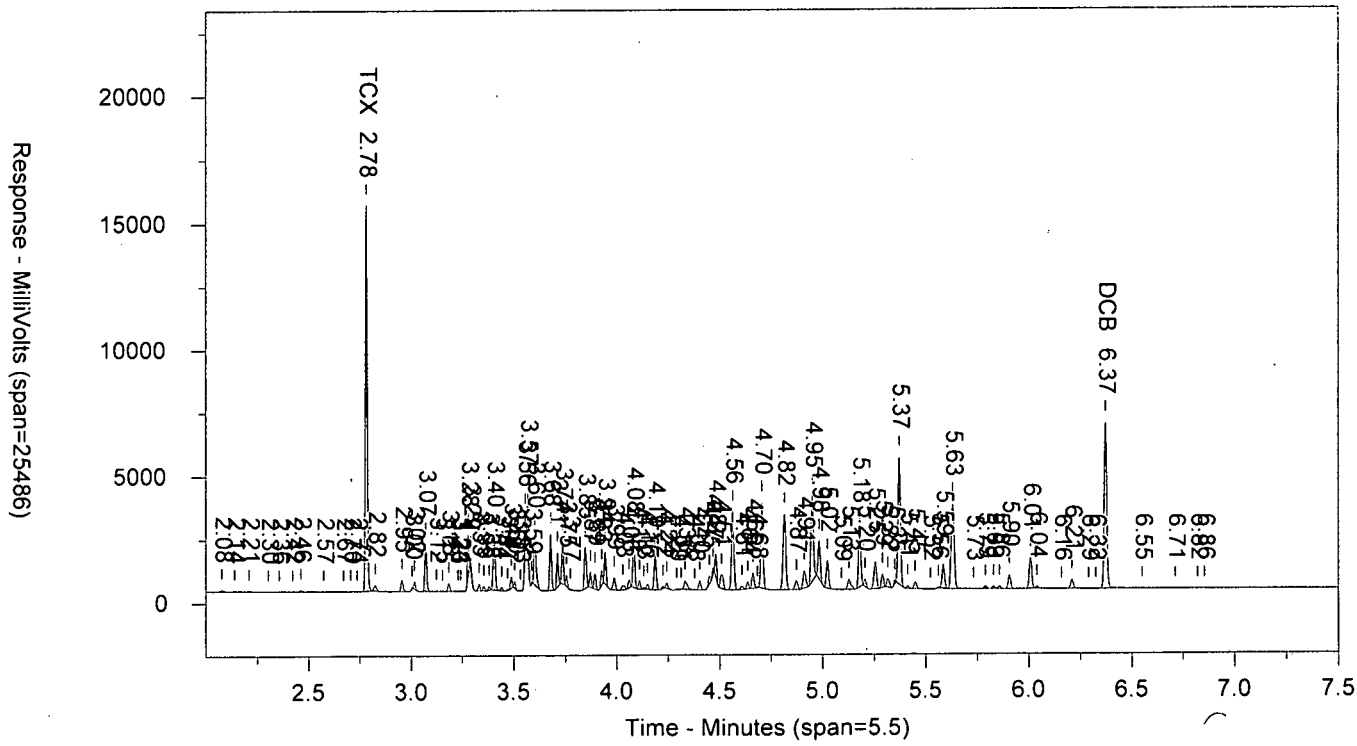

AR1651724B AAAR165AA ICAL 1730899999 10225 SW-846 8082

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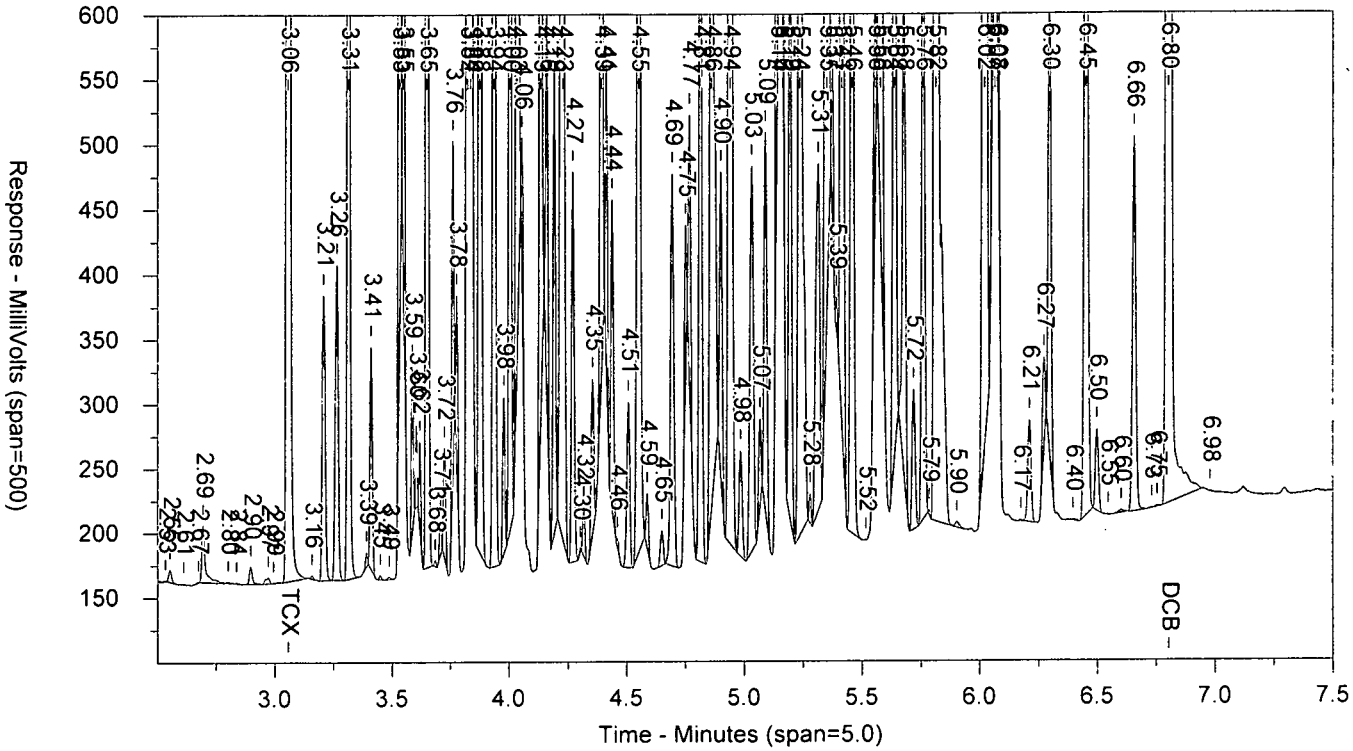

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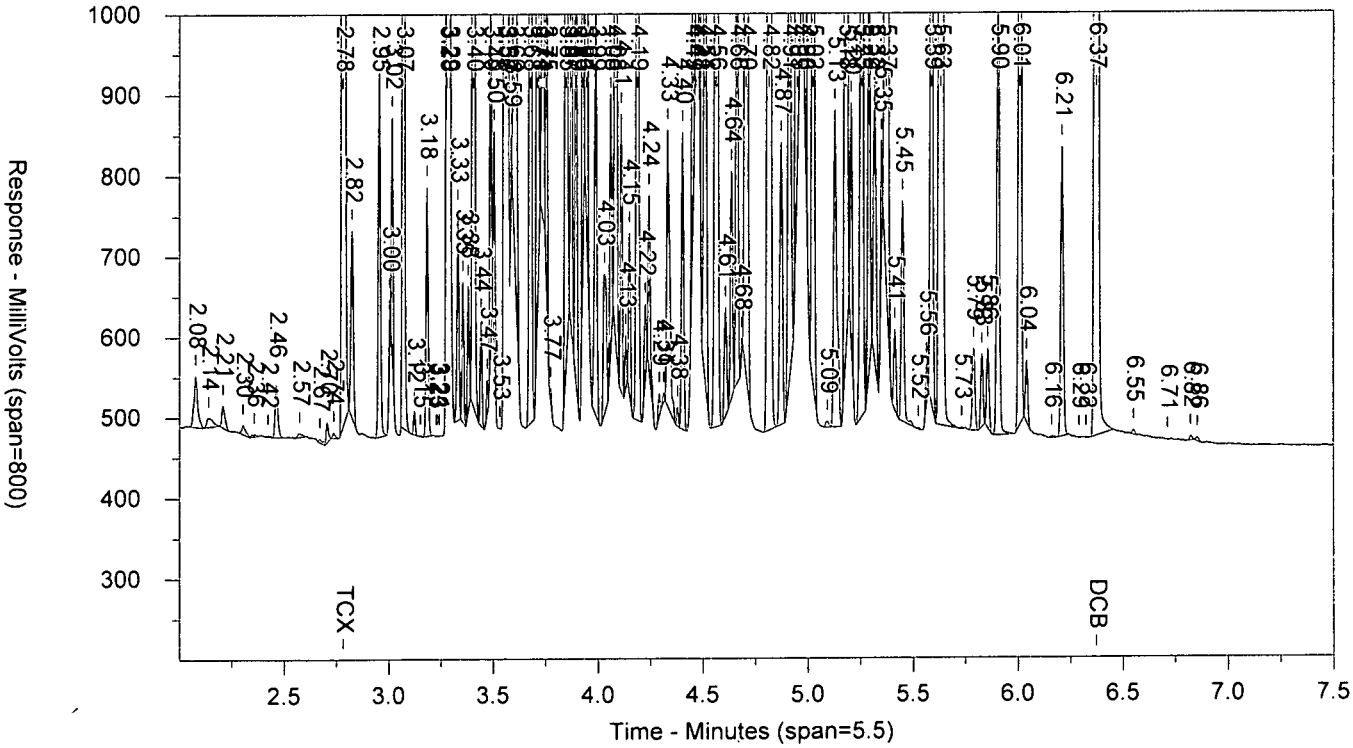

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:16:49 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: 25PCBS17309001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.023		1153	371
2.07		1341	998
2.094		7554	6891
2.148		421	188
2.175		340	104
2.208		6146	9816
2.272		3320	7006
2.344		48978	42340
2.434		15075	9476
2.456		20779	16546
2.498		1159	739
2.527		472	207
2.552		12174	10493
2.599		588	969
2.693		80492	82457
2.777		773	424
2.798		1264	1296
2.835		742	672
2.897		18163	15894
2.971		8633	8953
2.992		467	190
3.02		356	131
3.056	TCX	11434890	7470009
3.14		584	246
3.158		3493	1961
3.208		437720	384046
3.265		464556	381595
3.314		2207853	1487532
3.391		14760	7127
3.409		317384	219734
3.448		6694	4369
3.488		950	957
3.532		2177426	1294862
3.549		1065818	560946
3.586		244837	136593
3.603		109501	50084
3.618		117709	63325
3.65		2796057	1954632
3.685		11894	5820
3.707		32998	21281
3.725		161190	102168
3.761		502809	296488
3.777		255576	134049
3.823		1510014	776588
3.836		2638548	1371712
3.875		2898357	2217402
3.936		2587695	1903870
3.978		219385	152090
4.004		1533711	1118539
4.033		1139907	1077805
4.055		271269	127781
4.135		1804777	1271150
4.16		618522	392047
4.192		737996	504958

RT A	Compound A	Height A	Area A
4.228		1890244	2038043
4.27		591348	460306
4.302		5109	3308
4.316		70833	50619
4.354		197823	160324
4.393		1824993	1318227
4.413		454261	265857
4.437		491638	364394
4.507		252338	219084
4.551		1844045	1675240
4.587		78215	52565
4.65		46731	42491
4.694		518201	517320
4.751		237954	157329
4.767		402421	266011
4.813		1086227	950016
4.86		1608574	1777039
4.9		463846	343298
4.94		3855209	3399440
4.984		134198	127423
5.031		597630	616645
5.066		101625	73858
5.091		607577	503017
5.143		3790089	2910713
5.161		565911	316246
5.194		845778	748523
5.236		2293006	2345140
5.279		41582	24348
5.314		460009	567303
5.352		5410765	4837125
5.374		244885	123771
5.391		52238	19620
5.415		2582277	2171164
5.457		1623910	1487149
5.556		297341	276894
5.578		2789940	2315688
5.637		1456756	1233499
5.676		794623	702707
5.718		200109	176187
5.76		1090517	993684
5.815		7742098	7653364
5.903		9169	10321
6.023		4715914	4362171
6.076		1173981	2260972
6.173		2342	1855
6.211		123812	124703
6.272		126552	102509
6.297		710826	645134
6.362		1422	852
6.453		1911572	1803770
6.499		120949	118730
6.604		1926	2626
6.621		925	569
6.657		524394	523660
6.728		1519	1018
6.752		1541	1340
6.807	DCB	6564530	6577399
6.884		7488	5113
6.922		1647	1709

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:16:49 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: 25PCBS17309001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.027		2409	2050
2.078		85652	111192
2.145		15035	32283
2.208		39551	40970
2.303		15290	17347
2.349		2937	4703
2.422		2105	1662
2.461		116377	111448
2.574		6990	21914
2.668		4674	6949
2.704		36932	28034
2.736		14402	9817
2.781	TCX	20594030	12654860
2.824		404231	351733
2.953		875239	625974
3.003		57909	29713
3.015		612570	336492
3.068		3751096	2372018
3.121		42674	23911
3.153		904	219
3.183		559111	384574
3.21		1051	699
3.24		1398	663
3.258		1685	489
3.279		3178206	1576711
3.291		1110000	429952
3.332		504592	322155
3.354		333170	199623
3.38		303748	172121
3.405		4433917	3058352
3.441		257618	156355
3.47		55196	25319
3.487		970723	513749
3.503		538727	276467
3.532		5291	2221
3.555		2708634	1216930
3.566		4851366	2112323
3.586		204584	75122
3.6		4055466	2865696
3.677		4470432	2922167
3.711		2852043	1676194
3.735		3473895	2003414
3.754		894657	462504
3.772		24661	12030
3.846		3407025	2393920
3.871		1210872	712862
3.893		1224398	757203
3.925		1189753	660889
3.943		2734805	1638676
3.988		1008832	760546
4.029		315266	337875
4.059		641040	412529
4.083		3900665	2574631
4.11		673655	435277

RT B	Compound B	Height B	Area B
4.132		133579	67011
4.15		367131	233527
4.187		2897009	2034738
4.224		175999	122193
4.242		398226	270078
4.29		27854	17319
4.313		23366	17388
4.332		615461	621659
4.378		31307	17382
4.403		728813	547544
4.45		590043	349192
4.466		651662	312327
4.48		1862701	1096970
4.508		1081628	1142439
4.562		6306592	5029729
4.607		243855	202290
4.635		569243	403375
4.661		1286265	933189
4.705		7241859	5596850
4.815		6533019	5772387
4.873		688693	630096
4.91		1467151	1294186
4.949		7233889	6187743
4.982		3353833	2418818
5.023		2267660	1843772
5.092		13852	13865
5.127		822469	852591
5.179		4659279	3685369
5.205		622012	404949
5.255		2280833	2043178
5.29		1070800	826952
5.316		684219	593003
5.35		287273	162329
5.371		11122900	8874379
5.413		197731	155507
5.449		464093	393085
5.488		6201	3389
5.523		3708	2359
5.564		98704	63374
5.587		2015130	1628846
5.631		7254113	7498513
5.729		2326	1232
5.749		4337	2653
5.789		162486	143032
5.828		183305	142252
5.856		142616	116187
5.905		1133747	985657
6.008		2685208	2202312
6.039		143978	110697
6.163		3016	2408
6.209		682295	615963
6.289		1500	1038
6.331		1781	841
6.372	DCB	9210139	7973010
6.502		1761	1294
6.55		12410	10184
6.717		1298	622
6.769		1295	611
6.826		7529	6767
6.856		4709	4145
6.896		2703	3507

AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082

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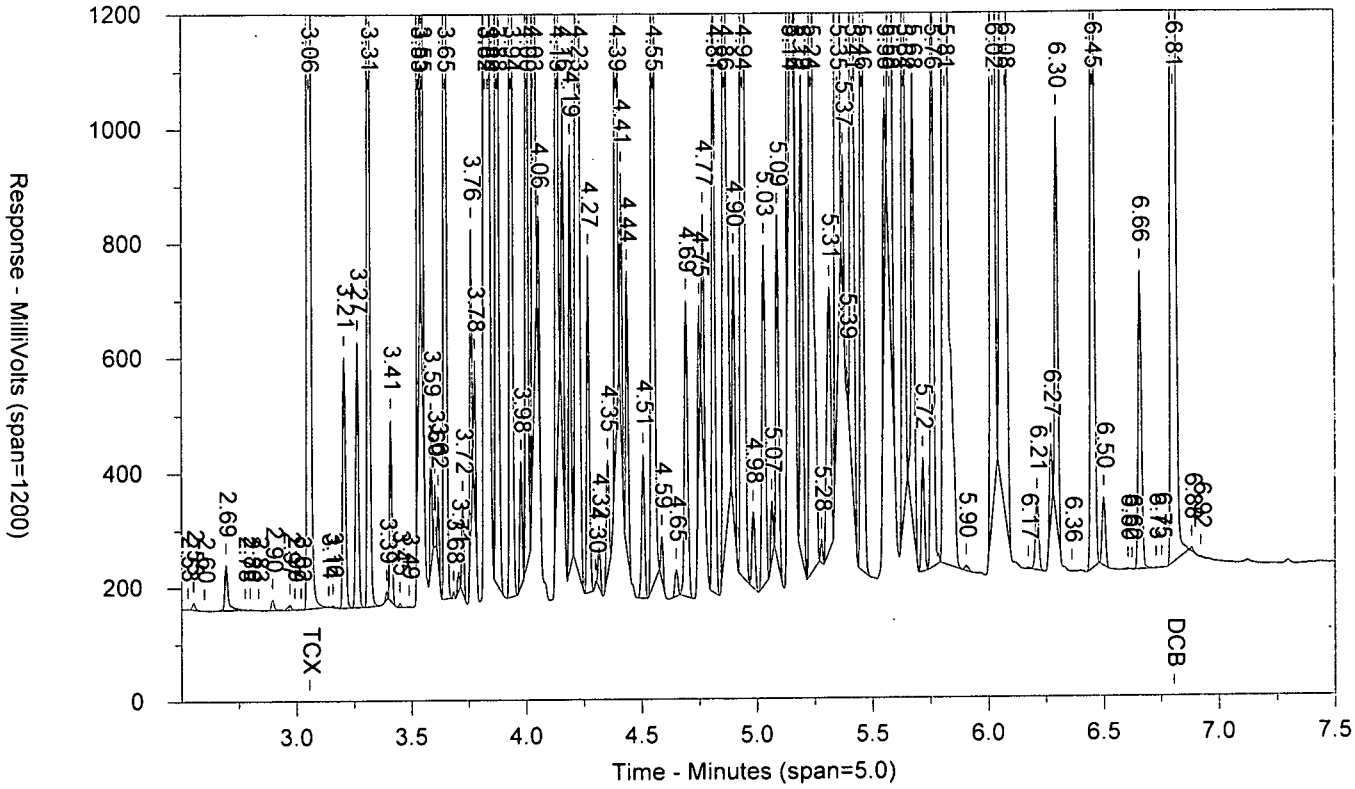

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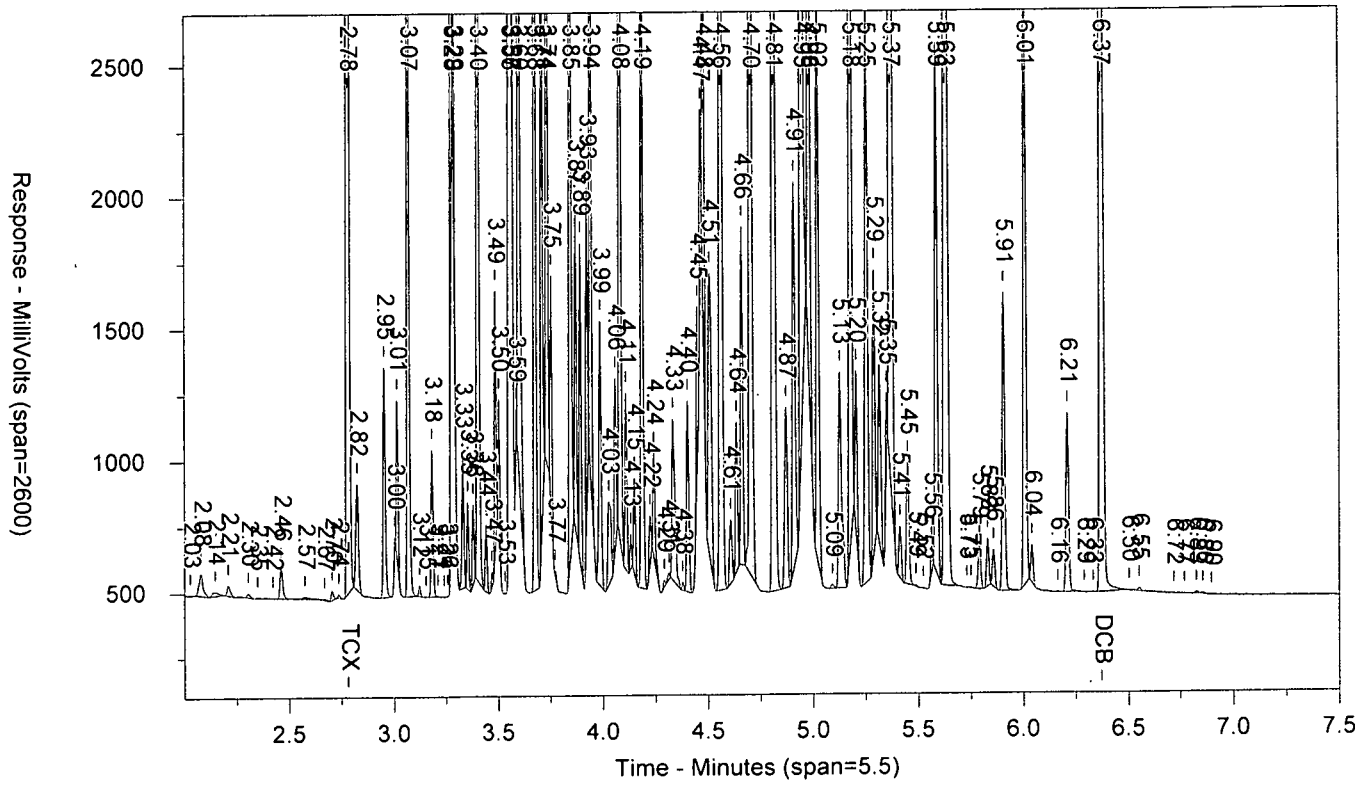

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:16:49 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
3.056	11434890	100.284	TCX	2.781	20594030	102.52	TCX
6.807	6564530	93.289	DCB	6.372	9210139	96.152	DCB

Files:
Area File: 25PCBS17309001.012.RAW
Area File: 25PCBS17309001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:25:19 PM
File Reported On: 11/7/2017 at 11:57:42 AM

AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082

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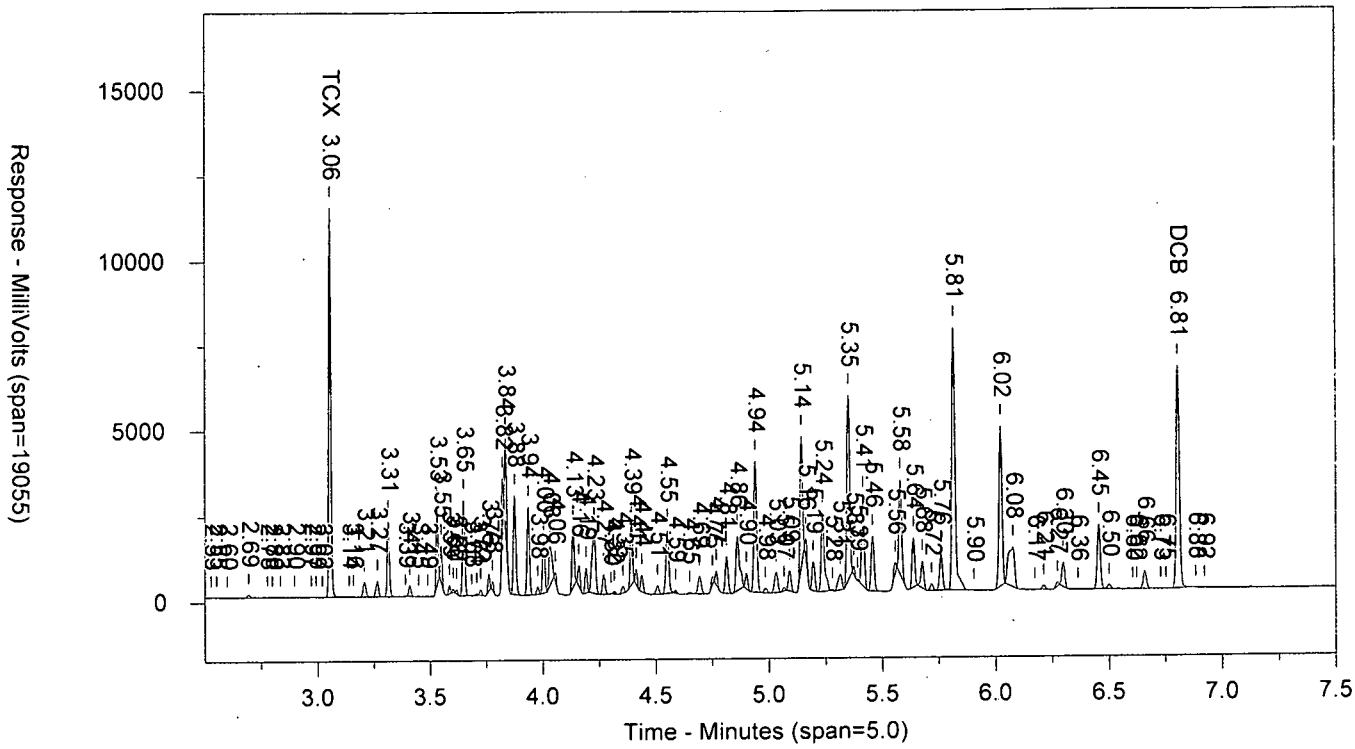

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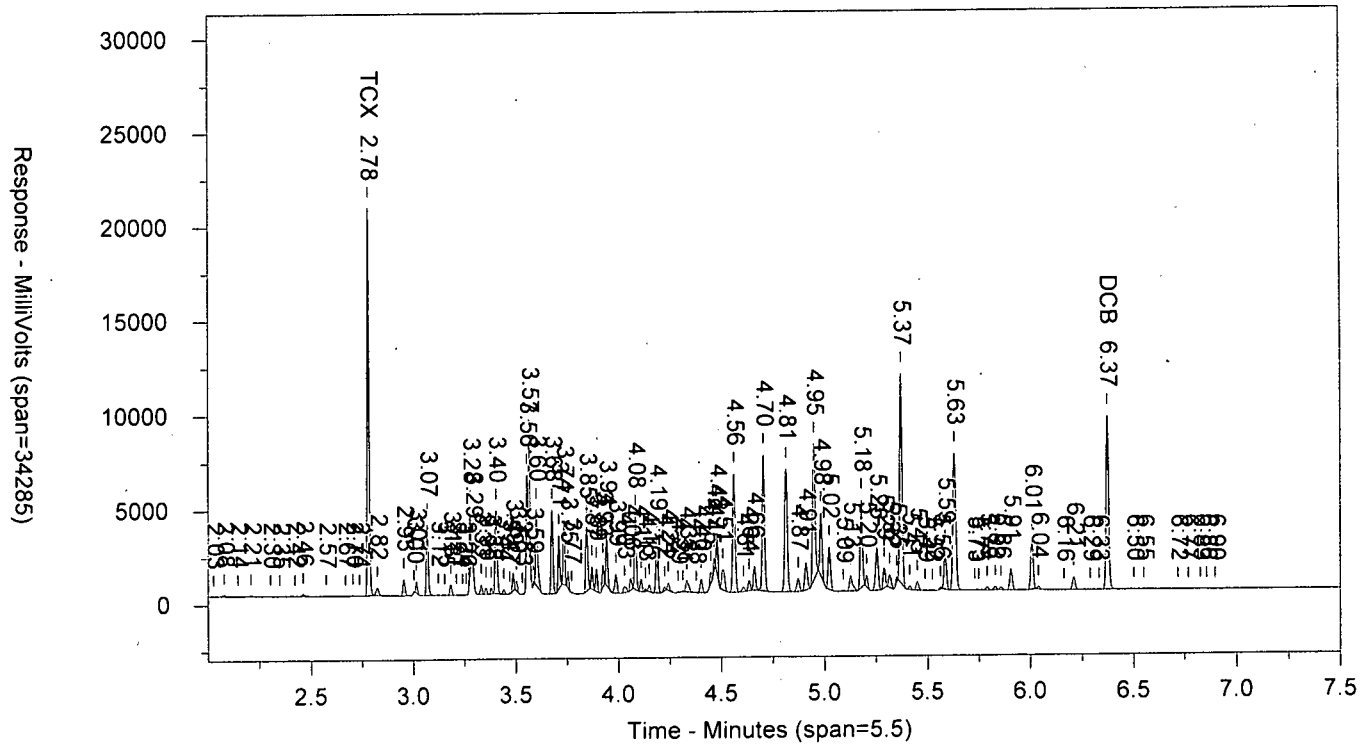

AR1661724A AAAR166AA ICAL 1730899999 10225 SW-846 8082

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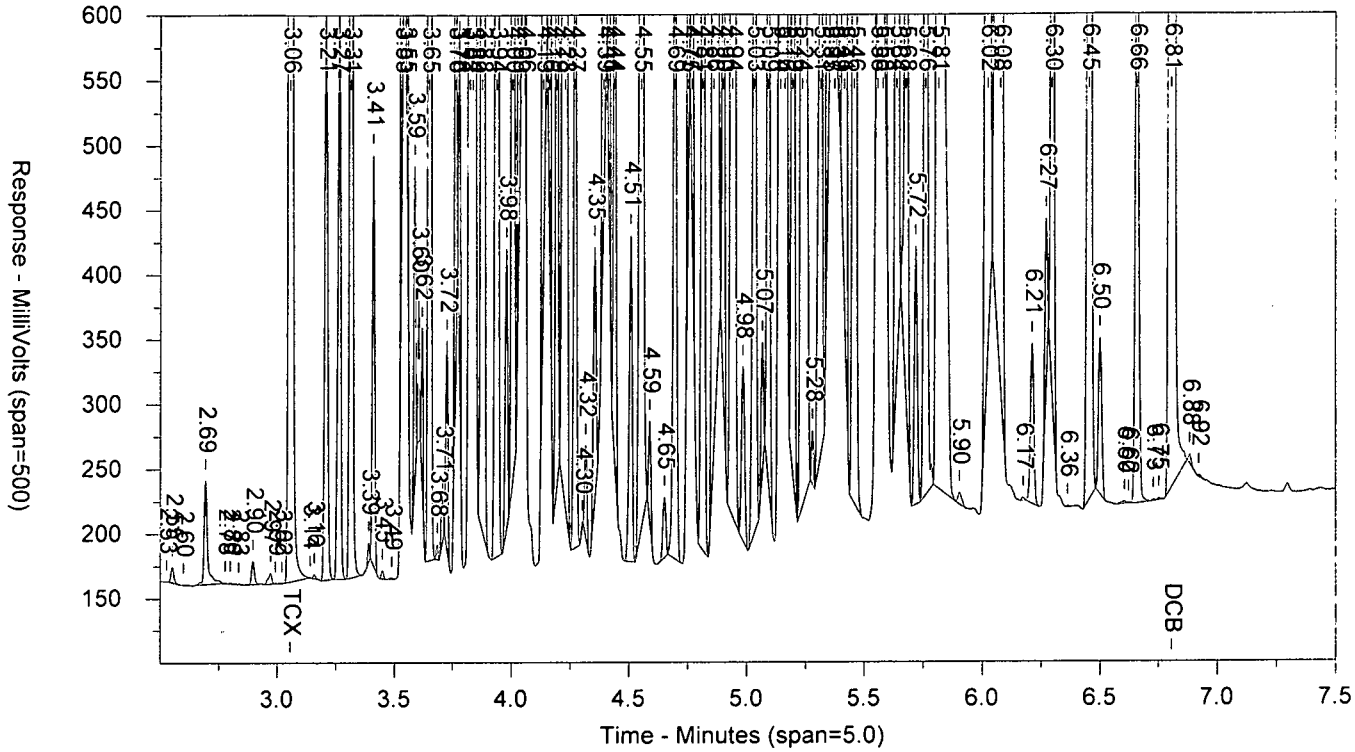

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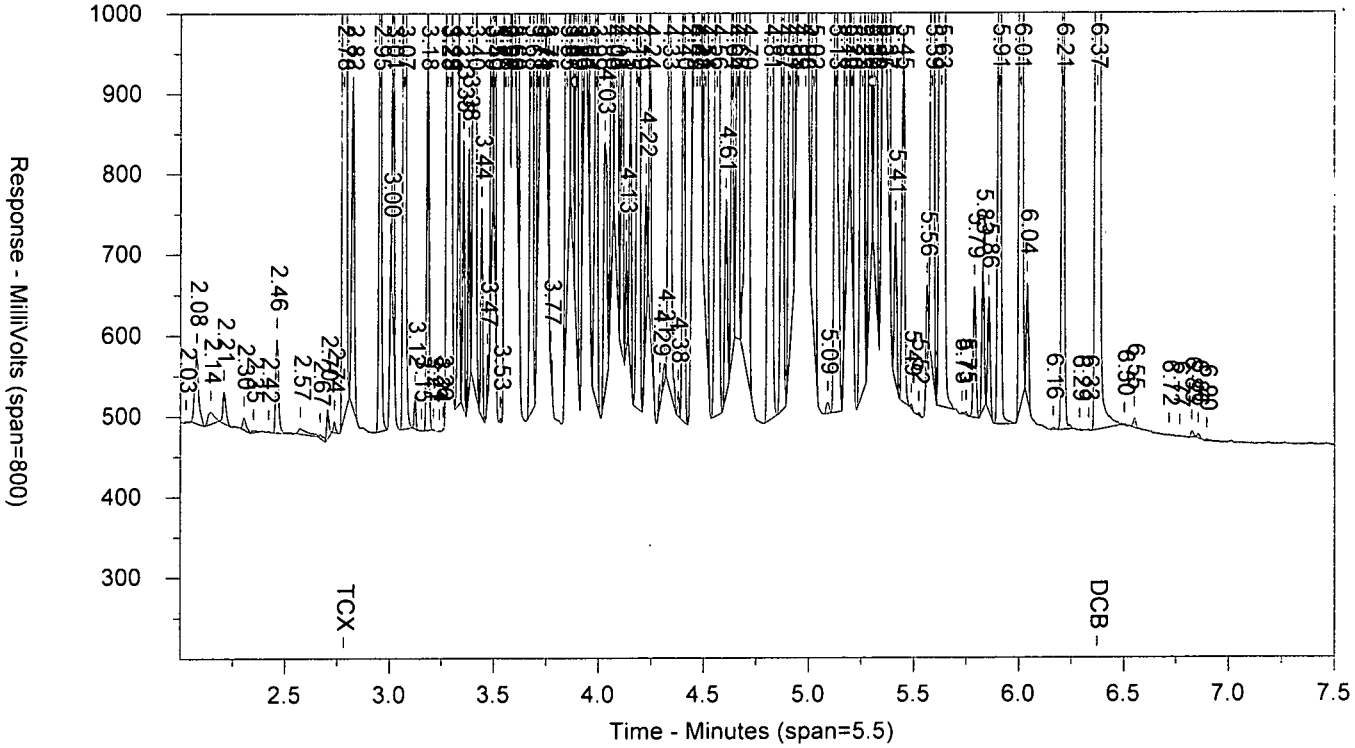

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:28:15 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: 25PCBS17309001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.014		597	679
2.065		765	384
2.095		10284	10166
2.146		941	1094
2.208		5475	8788
2.267		712	493
2.28		1627	7377
2.434		18139	12491
2.497		1420	1736
2.53		646	319
2.552		6299	5281
2.612		779	723
2.671		1023	730
2.72		4039	13173
2.803		1049	1199
2.898		18363	16968
2.962		5353	4580
2.997		765	285
3.057	TCX	270157	190297
3.146		1211	1463
3.209		5586	6191
3.261		4591	4881
3.315		17477	16356
3.383		4776	6264
3.41		2995	1671
3.49		1048	1298
3.532		38697	23251
3.55		11136	5833
3.589		2819	1718
3.604		2128	1181
3.65		39299	25692
3.674		4245	3997
3.707		734	327
3.725		3359	2209
3.762		6154	3599
3.778		1840	878
3.805		641	377
3.823		31517	17328
3.836		27469	15714
3.876		44854	34770
3.936		42678	33627
3.979		6122	4368
4.005		79770	57220
4.034		46783	39634
4.057		13855	6977
4.109		401	103
4.135		81642	59049
4.161		22718	14917
4.192		28187	19949
4.228		67855	64128
4.271		21053	16661
4.319		1409	901
4.35		29997	32309
4.393		59774	41883

RT A	Compound A	Height A	Area A
4.414		75015	49743
4.438		73442	54126
4.461		12710	8769
4.508		6610	5992
4.549		73271	63226
4.571		22353	11940
4.588		12332	6928
4.629		1059	603
4.654		3425	2465
4.698		26885	24946
4.751		29637	25046
4.784		16635	12658
4.815		52462	43652
4.865		961	599
4.882		496	179
4.902		19628	17029
4.941		4233	5076
4.993		4809	4751
5.034		32585	26028
5.061		4069	3769
5.105		3581	4939
5.144		2895	2153
5.163		2501	1785
5.236		36098	32061
5.281		593	333
5.309		3802	3755
5.353		9298	8965
5.414		6880	9063
5.461		611	683
5.519		639	319
5.564		1964	1799
5.582		885	869
5.613		722	214
5.639		7085	10916
5.739		5487	8547
5.818		2696	2150
5.841		2264	1771
5.906		581	289
5.933		585	341
5.983		266	283
6.026		930	777
6.046		3208	3207
6.157		395	621
6.172		673	233
6.211		1780	2123
6.279		1804	2223
6.332		4041	5021
6.366		422	154
6.412		795	1162
6.46		1503	2344
6.482		523	257
6.522		418	913
6.566		455	929
6.602		3265	3909
6.642		284	317
6.657		2667	2150
6.699		575	499
6.759		1044	1890
6.807	DCB	191294	194509
6.859		4119	8240
6.981		360	302

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:28:15 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: 25PCBS17309001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.046		822	1592
2.067		37463	30252
2.142		12486	41891
2.261		4502	24078
2.364		3807	6215
2.46		2456	2313
2.518		2688	3884
2.571		7931	33219
2.67		5976	3467
2.704		40447	48004
2.781	TCX	448976	292479
2.826		6091	5557
2.871		3416	5405
2.955		11373	8205
3.004		2302	1131
3.016		4715	2181
3.069		32972	21271
3.092		1347	388
3.111		851	184
3.121		1766	616
3.14		547	147
3.149		1227	648
3.184		6657	4099
3.206		619	114
3.215		1935	792
3.232		490	88
3.238		630	112
3.246		1204	218
3.256		1001	395
3.279		61489	33381
3.291		8679	2309
3.318		746	164
3.331		5361	3323
3.354		6960	4218
3.405		69916	66140
3.441		6088	3276
3.458		539	112
3.47		2302	848
3.487		9569	5263
3.502		3591	1527
3.525		1202	311
3.535		1090	407
3.555		61298	29248
3.566		50928	21327
3.586		11696	4751
3.601		59837	39556
3.65		1372	572
3.678		75850	50563
3.711		123454	78493
3.736		113488	66725
3.755		36211	18880
3.774		1745	1030
3.787		876	157
3.796		1877	602

RT B	Compound B	Height B	Area B
3.846		142093	100177
3.872		45809	26880
3.893		52507	34149
3.926		23643	12862
3.944		97688	61338
3.988		37688	27940
4.036		7964	7481
4.06		74329	48428
4.083		188064	124692
4.11		114031	75665
4.132		6178	2961
4.148		37085	26418
4.187		52201	38735
4.226		78626	58889
4.243		7246	2522
4.257		44679	26072
4.292		41491	38526
4.342		30561	27533
4.403		47881	35925
4.438		27849	19577
4.467		78180	60907
4.513		2040	1796
4.568		29710	30082
4.602		7234	5324
4.636		51261	38168
4.658		2383	5289
4.706		6663	4876
4.735		4504	3841
4.788		1521	462
4.814		9512	13802
4.867		47369	40635
4.923		3794	2459
4.949		12787	15911
5.025		3432	6001
5.124		828	532
5.18		2770	2078
5.204		4313	3547
5.251		2457	7069
5.329		2373	2118
5.351		1710	874
5.372		3575	3660
5.448		3958	5072
5.483		3725	3833
5.54		877	327
5.635		4277	5819
5.668		1302	596
5.742		1655	2090
5.765		1469	627
5.79		2592	1861
5.854		4147	5635
5.903		2361	3561
5.947		637	214
6.008		1980	1653
6.1		1882	3618
6.17		803	1258
6.209		3207	3650
6.319		841	382
6.373	DCB	253614	228689
6.447		821	960
6.495		1508	1184
6.546		1079	424
6.599		1435	847
6.661		1060	661
6.702		791	259
6.836		731	506
6.854		4833	4531

RT B	Compound B	Height B	Area B
6.883		1116	350
6.93		1021	577
6.98		1447	707

AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082

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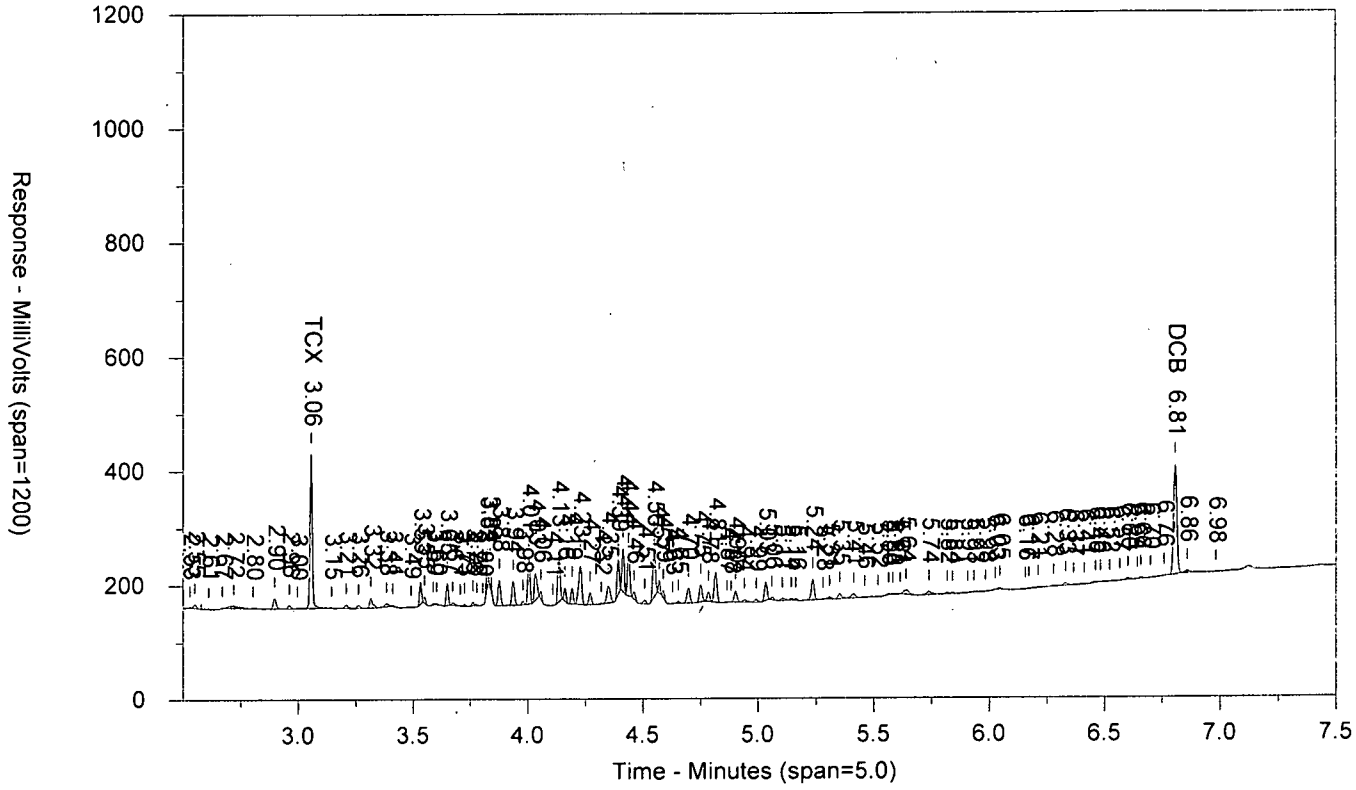

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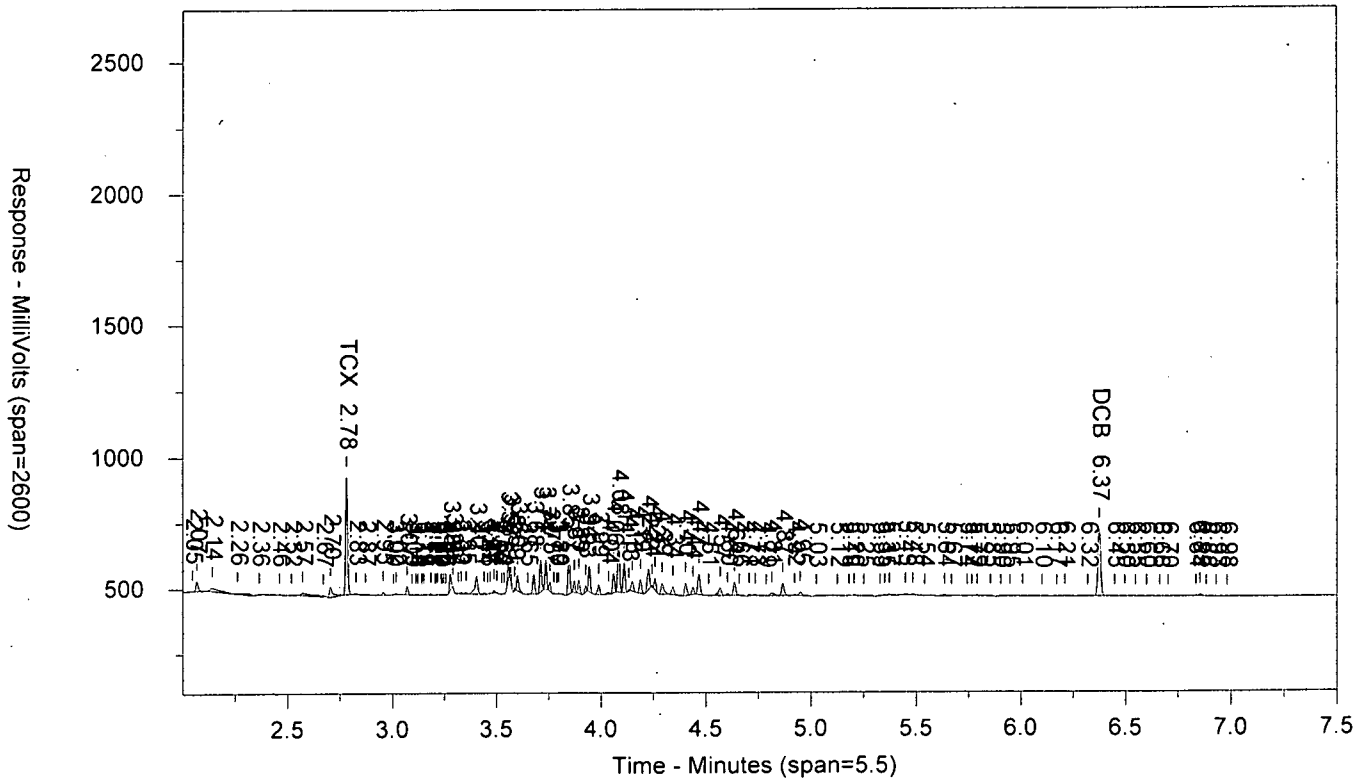

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:28:15 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
3.057	270157	1.96	TCX	2.781	448976	1.842	TCX
6.807	191294	2.278	DCB	6.373	253614	2.208	DCB

Files:
Area File: 25PCBS17309001.013.RAW
Area File: 25PCBS17309001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:36:46 PM
File Reported On: 11/7/2017 at 11:58:26 AM

AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082

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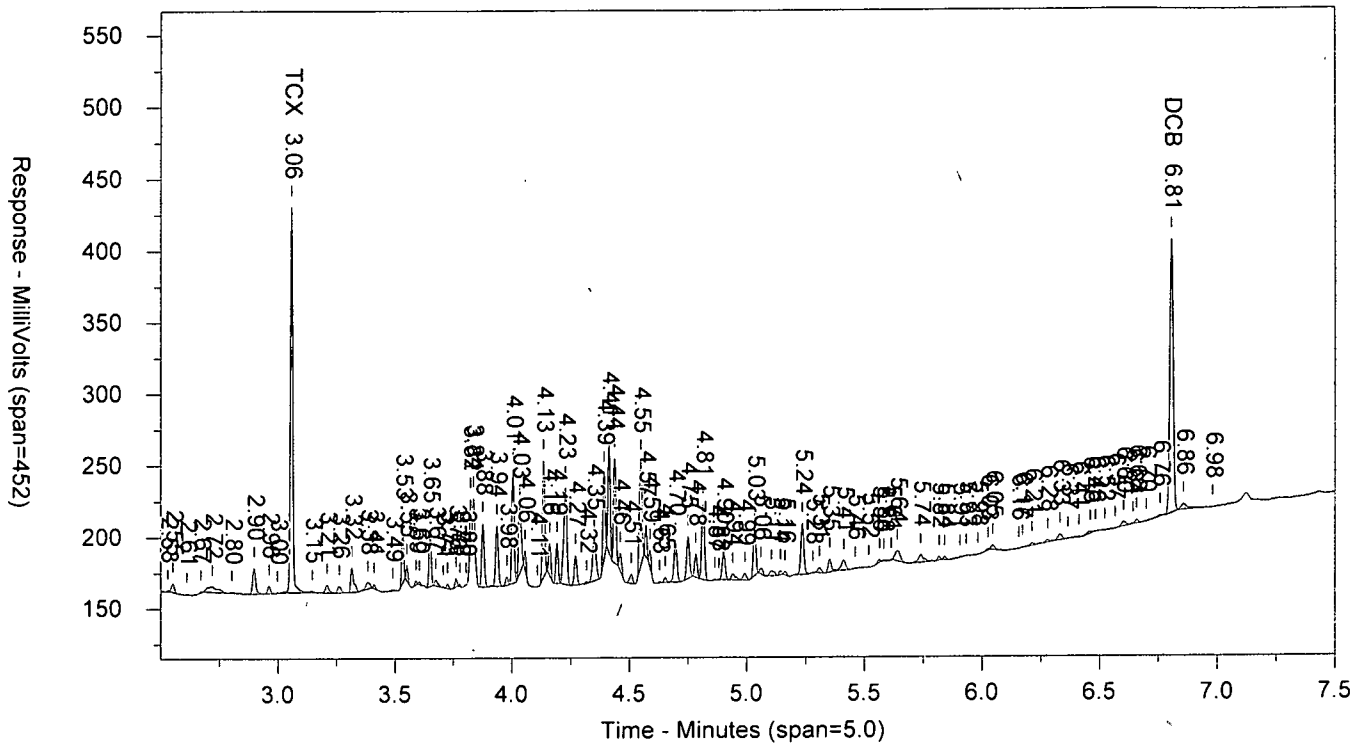

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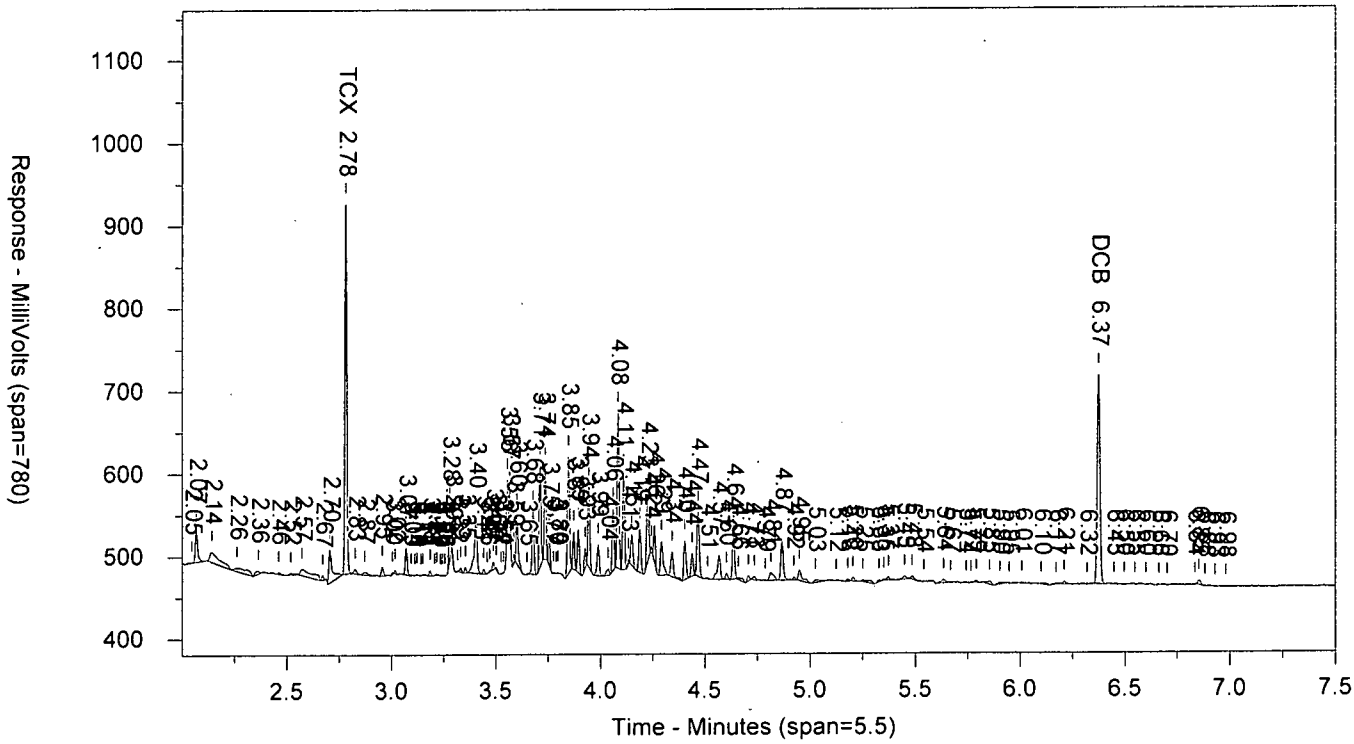

AR4811724C AAAR481AA ICAL 1730899999 10225 SW-846 8082

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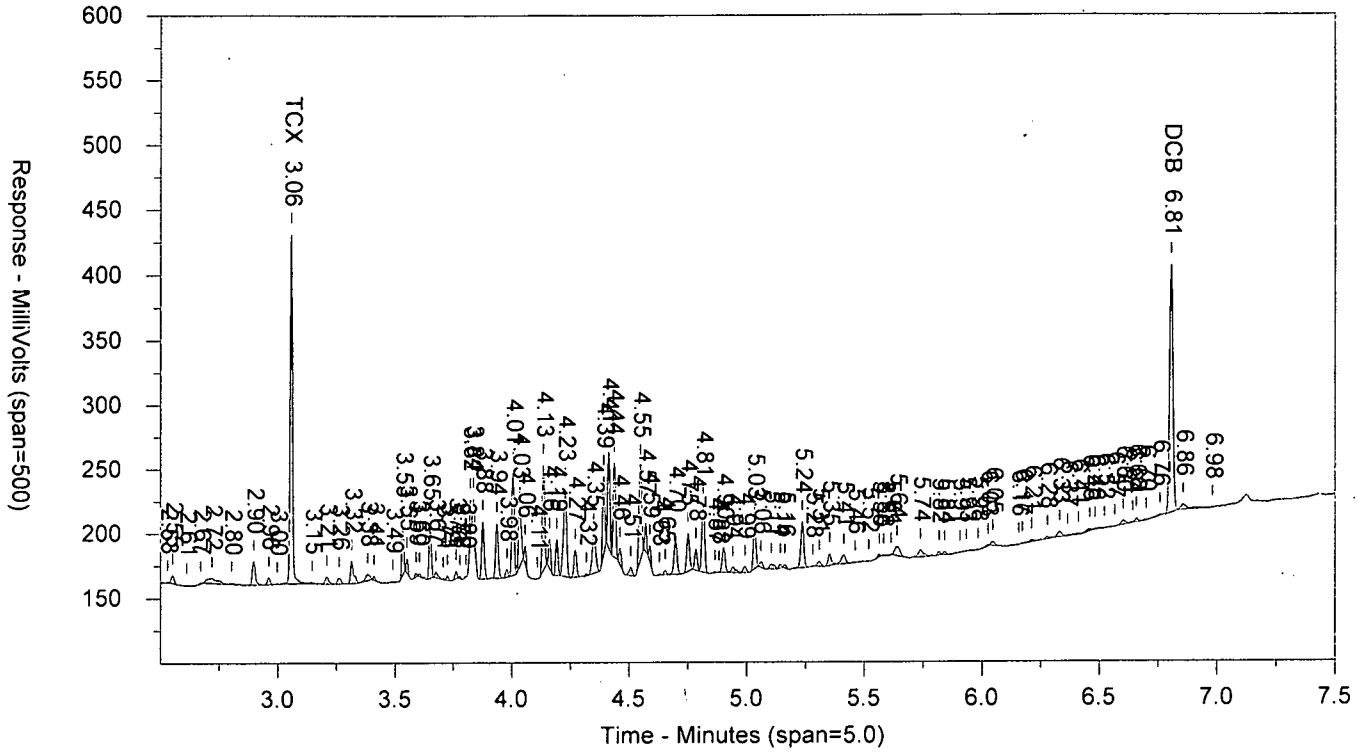

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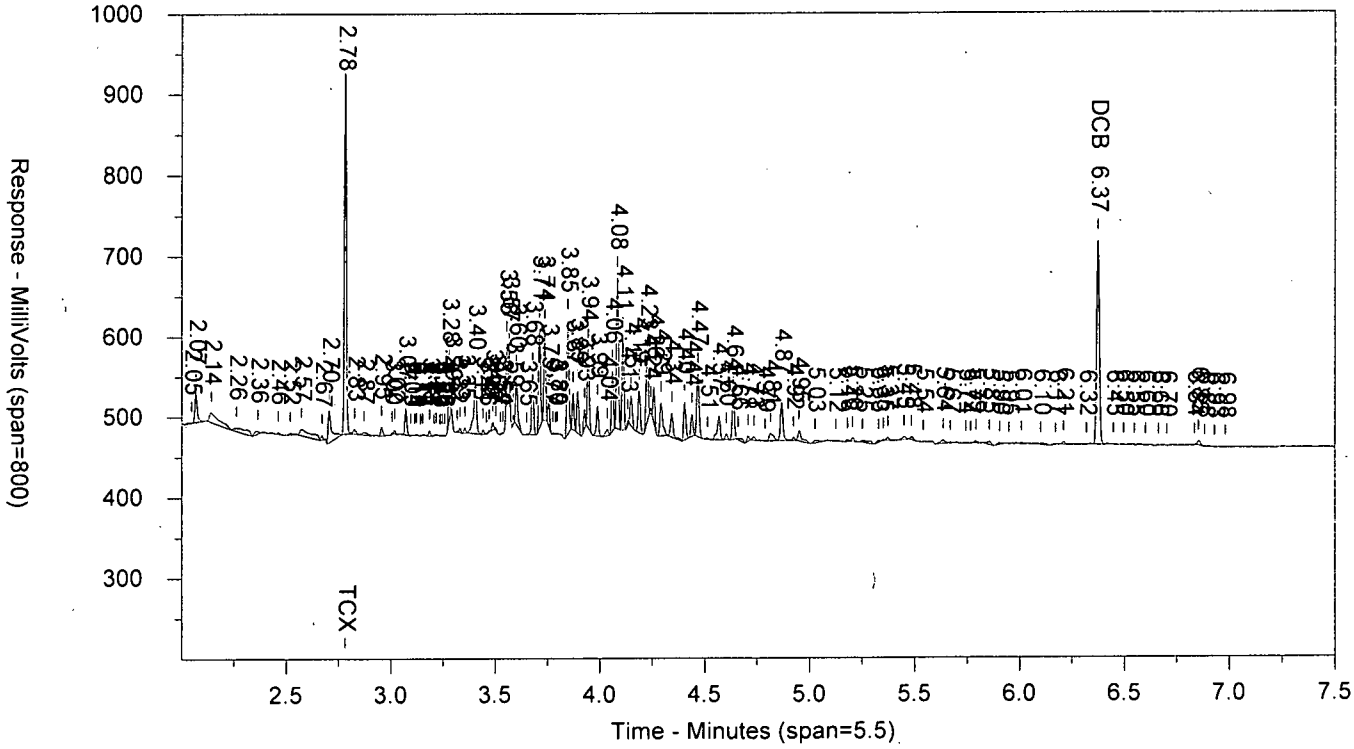

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:39:30 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: 25PCBS17309001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.022		1071	1209
2.073		666	450
2.094		10444	10330
2.146		901	839
2.208		7814	10877
2.276		2961	4861
2.309		1363	1627
2.342		1777	2376
2.433		67713	44592
2.494		1377	1428
2.55		8799	9132
2.578		1659	1831
2.628		738	304
2.644		3373	2061
2.671		1295	726
2.695		3596	2786
2.719		1980	1580
2.773		1449	893
2.802		623	339
2.813		843	669
2.838		740	803
2.896		14260	13382
2.959		5847	5165
2.994		2238	2234
3.055	TCX	544862	370744
3.14		4214	3016
3.208		10342	10360
3.261		8169	8909
3.313		35374	28137
3.382		4913	6402
3.409		6480	4180
3.489		761	801
3.531		69354	43094
3.548		22761	11791
3.587		5095	2890
3.603		4387	2185
3.649		74184	49479
3.673		3579	3208
3.707		1396	627
3.724		5858	3602
3.76		10943	6815
3.775		2915	1419
3.822		52281	30047
3.835		54556	30815
3.874		83607	66709
3.911		785	294
3.935		75788	61243
3.977		11856	8085
4.004		136391	100250
4.032		86143	71429
4.055		23382	12692
4.111		456	131
4.133		144743	106616
4.159		43328	28636

RT A	Compound A	Height A	Area A
4.191		54624	38470
4.227		121822	116873
4.27		39649	31554
4.315		3263	2053
4.35		33993	38008
4.391		110369	76312
4.412		129660	86782
4.437		134868	100555
4.46		11327	6980
4.506		11644	10533
4.547		126798	110797
4.569		33550	18945
4.586		21288	11347
4.629		1810	1187
4.653		6309	4918
4.697		46592	42368
4.75		56249	48080
4.782		32132	23898
4.814		92032	80983
4.86		1567	1056
4.9		37515	33119
4.94		7701	8954
4.99		8569	8201
5.033		59077	51591
5.063		5503	5061
5.106		970	558
5.144		5108	3527
5.162		4350	2815
5.235		65176	59586
5.278		1108	817
5.307		8315	8108
5.351		16178	14200
5.375		953	382
5.412		8266	10859
5.458		1397	888
5.515		828	1254
5.562		4603	3673
5.579		1751	1038
5.64		8527	15385
5.739		3993	4670
5.758		1417	877
5.816		4613	3694
5.84		4608	3638
5.874		587	266
5.908		689	875
5.935		578	339
6.023		1882	1525
6.045		3853	4030
6.076		1000	539
6.143		702	515
6.181		312	315
6.213		3105	3285
6.276		3215	2814
6.297		911	405
6.328		5933	7636
6.385		362	126
6.455		3256	6273
6.524		980	501
6.57		488	214
6.602		6421	9119
6.658		4586	5251
6.771		647	1335
6.806	DCB	360849	374591
6.859		7049	9170
6.909		1764	2397
6.98		492	289

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:39:30 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: 25PCBS17309001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.067		127629	99458
2.141		13848	24635
2.273		15666	48062
2.307		12721	13072
2.358		6269	7506
2.389		4562	3790
2.429		3895	2411
2.462		2555	1578
2.52		2450	2631
2.571		8192	28470
2.669		7936	5020
2.704		27129	21619
2.746		1595	1064
2.781	TCX	940654	589154
2.825		10337	8310
2.868		11517	11208
2.954		20825	15774
3.004		12353	14984
3.069		61659	40242
3.108		294	18
3.122		2662	1198
3.136		501	71
3.142		522	116
3.158		706	457
3.182		12153	7563
3.21		761	283
3.217		1004	486
3.236		773	231
3.243		491	197
3.262		775	214
3.278		108023	57441
3.291		18810	6081
3.316		531	130
3.331		9822	6093
3.354		10582	6227
3.404		119689	103642
3.441		10576	6017
3.461		531	203
3.471		2827	1751
3.487		17811	9577
3.502		6697	3142
3.519		632	144
3.53		466	150
3.554		109316	52794
3.565		87271	36543
3.585		22328	9262
3.6		104020	69945
3.647		702	208
3.655		762	199
3.677		135996	88445
3.71		217915	138187
3.735		205576	117377
3.753		65173	33995
3.775		1398	421

RT B	Compound B	Height B	Area B
3.797		3706	7268
3.845		264744	179292
3.87		79153	47109
3.892		91184	58884
3.925		41525	22536
3.942		177606	107213
3.987		69198	49525
4.035		14000	12307
4.059		132027	85957
4.082		331706	222296
4.109		209028	138333
4.13		16734	7894
4.148		41754	28459
4.186		94247	67453
4.224		144209	107849
4.241		14819	5180
4.256		83174	47567
4.29		39638	41817
4.34		56958	44510
4.402		86630	68107
4.437		54328	37574
4.465		137783	109354
4.508		2664	1974
4.548		4556	2481
4.565		46659	35119
4.601		14217	10892
4.634		90381	70541
4.662		2439	1015
4.677		2872	2106
4.705		11357	8386
4.734		8084	6034
4.762		1395	1205
4.814		15227	18787
4.866		83636	71550
4.906		1356	603
4.922		7174	4601
4.949		19735	16917
5.024		3891	4181
5.064		-1056	241
5.113		981	367
5.164		812	217
5.18		4034	3164
5.204		7986	6182
5.251		3444	10786
5.325		4274	4182
5.351		2717	1454
5.37		5714	4360
5.421		1277	378
5.449		7146	7222
5.486		3404	2584
5.558		2037	5192
5.634		7798	13399
5.73		2327	3466
5.787		4911	4997
5.854		7793	6331
5.905		3358	5167
5.984		1151	661
6.008		3000	2644
6.087		2138	7976
6.183		2872	8317
6.208		6030	4868
6.308		1401	2130
6.334		1336	634
6.373	DCB	494586	438576
6.436		2336	5053
6.496		1391	853

RT B	Compound B	Height B	Area B
6.558		915	1178
6.613		2450	4585
6.661		2063	2146
6.731		1333	521
6.741		1755	539
6.813		686	378
6.855		6182	6581
6.946		1369	1192

AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082

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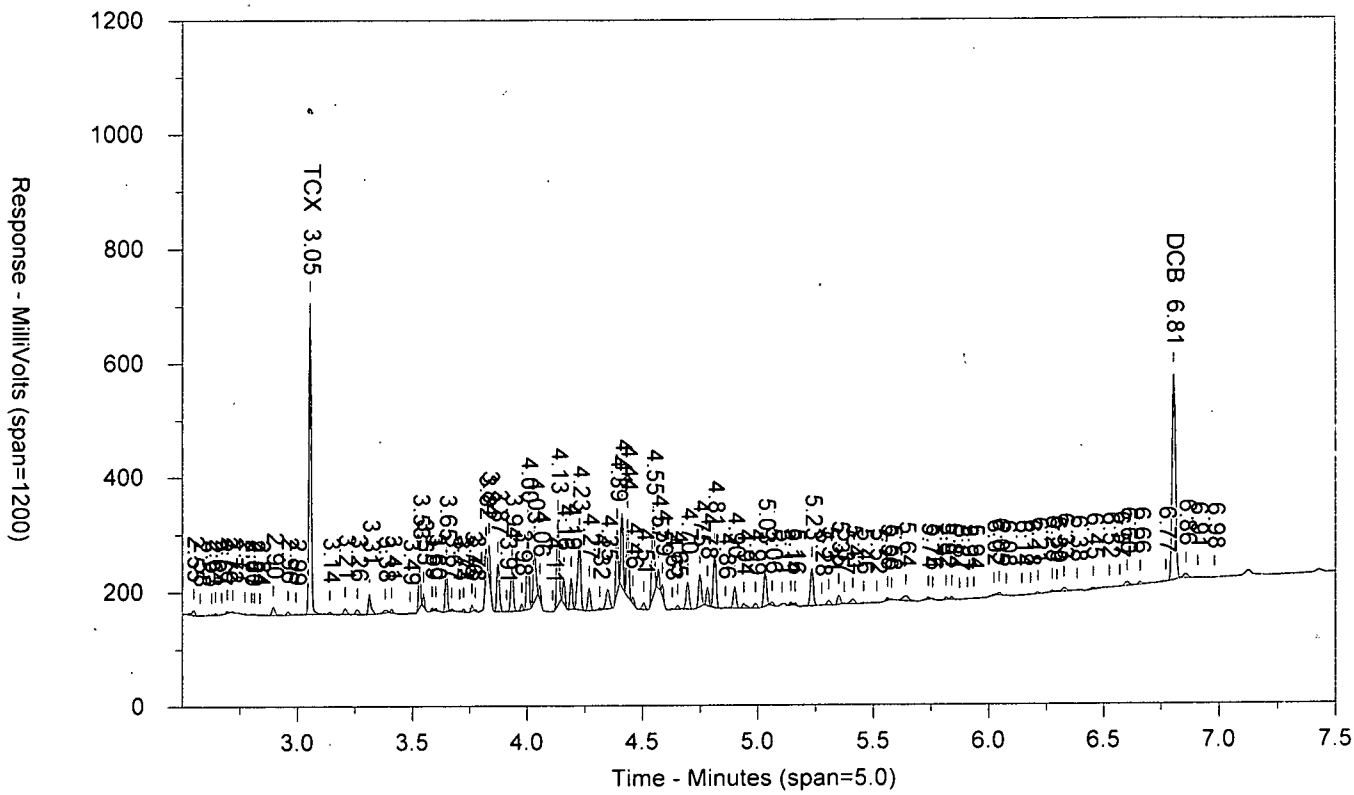

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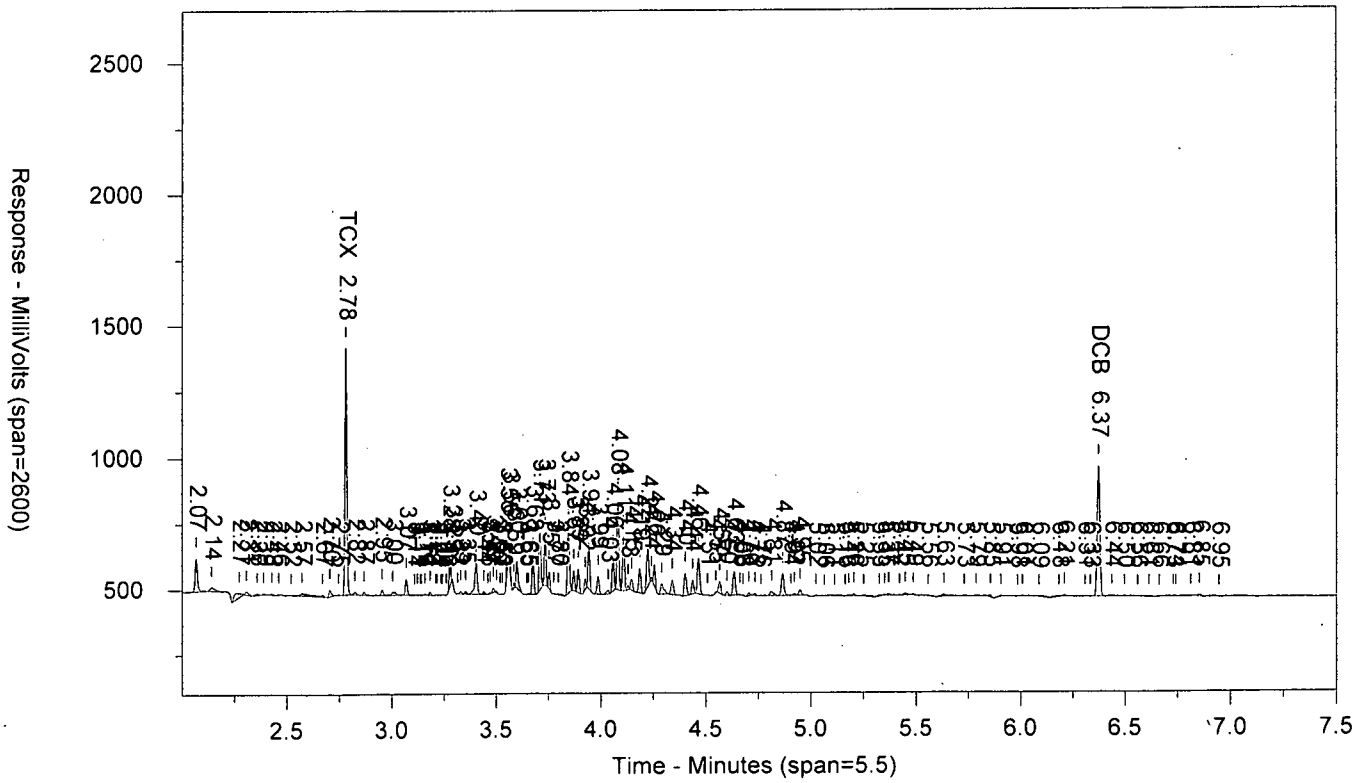

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:39:30 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
3.055	544862	3.953	TCX	2.781	940654	3.859	TCX
6.806	360849	4.298	DCB	6.373	494586	4.306	DCB

Files:
Area File: 25PCBS17309001.014.RAW
Area File: 25PCBS17309001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:48:03 PM
File Reported On: 11/7/2017 at 11:59:04 AM

AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082

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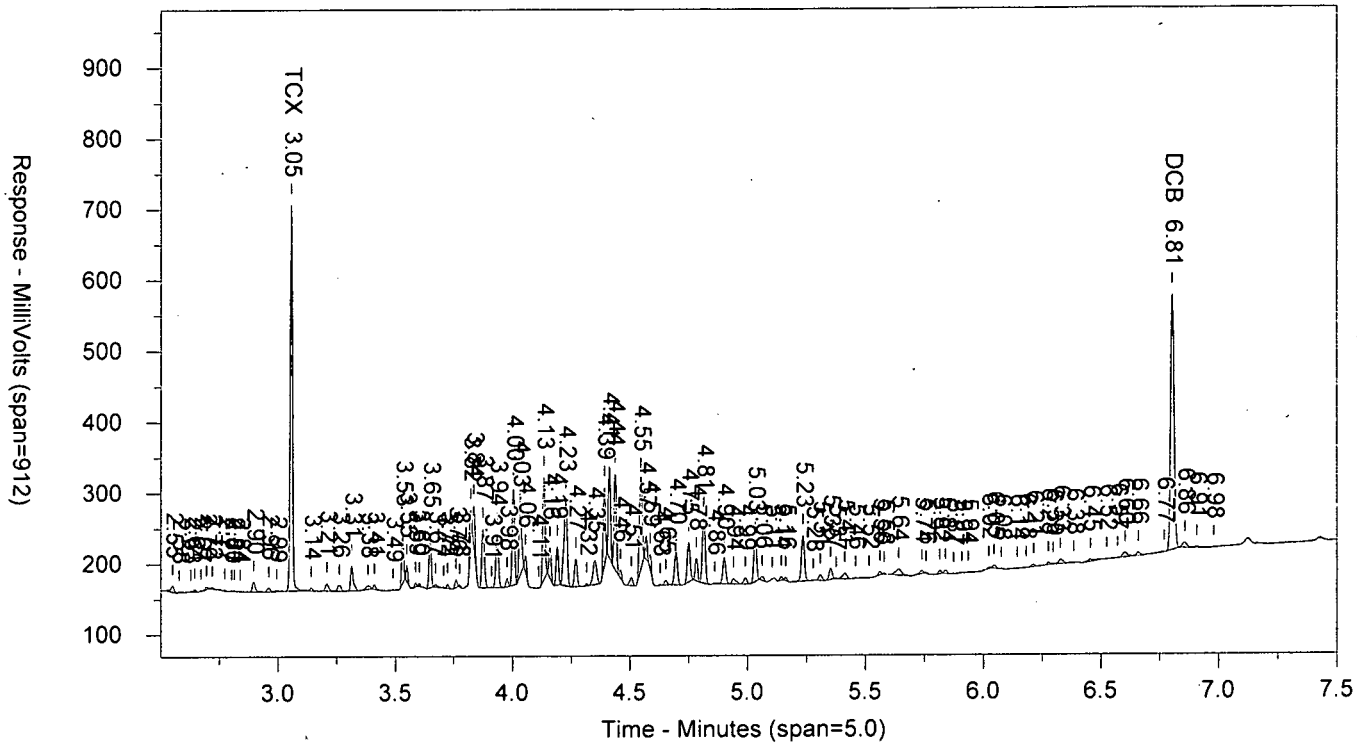

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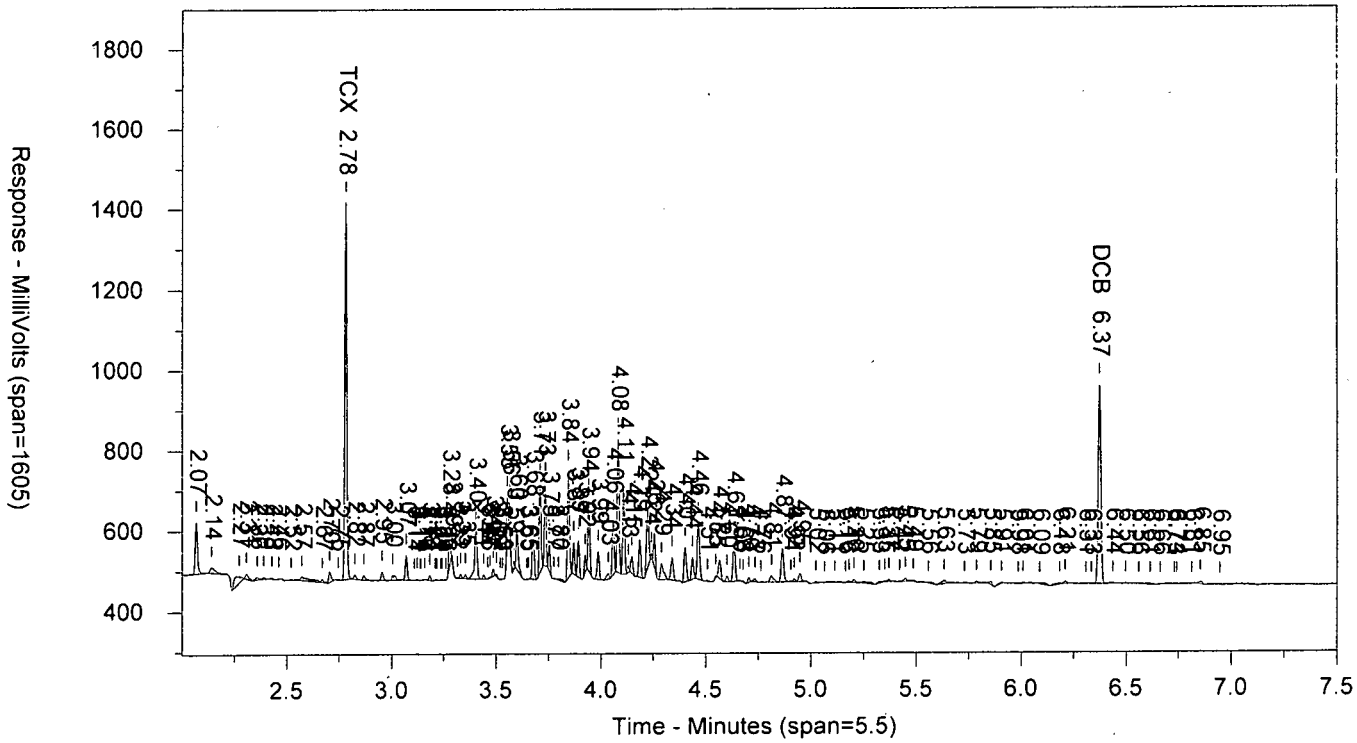

AR4821724C AAAR482AA ICAL 1730899999 10225 SW-846 8082

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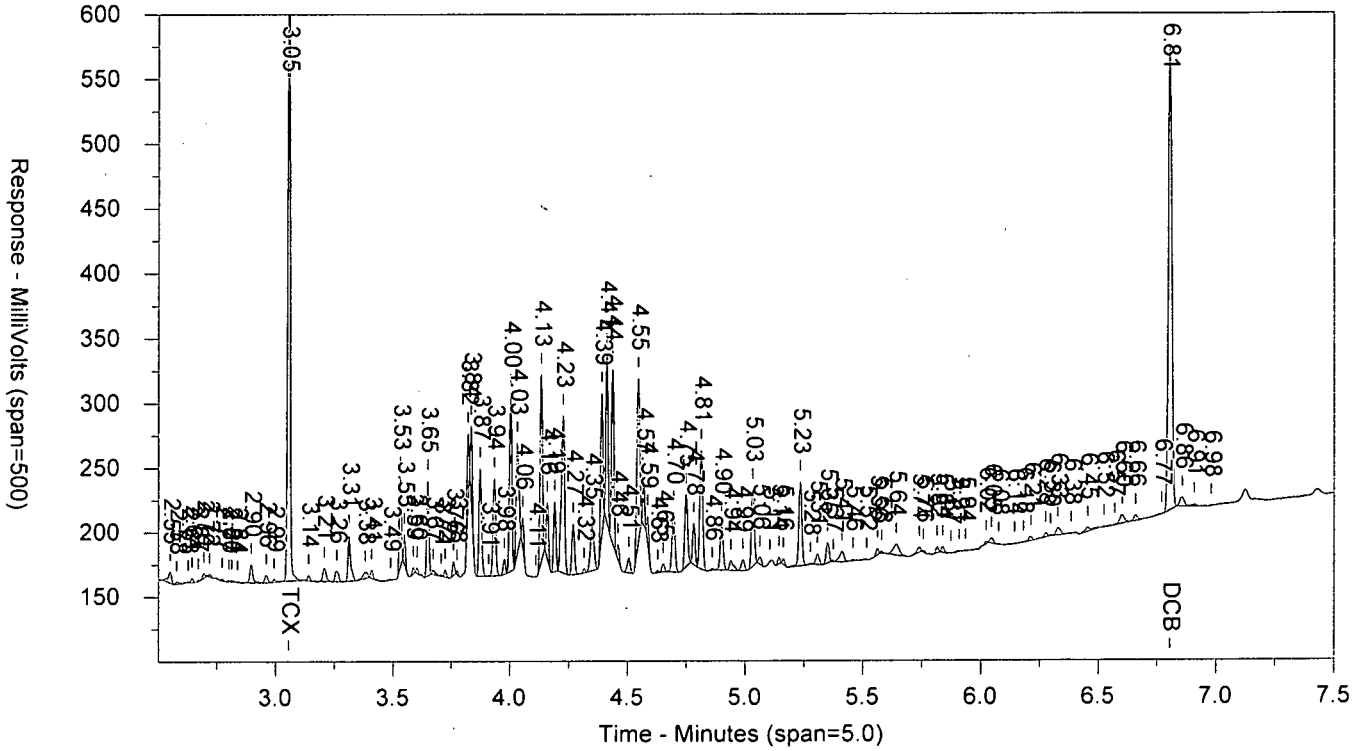

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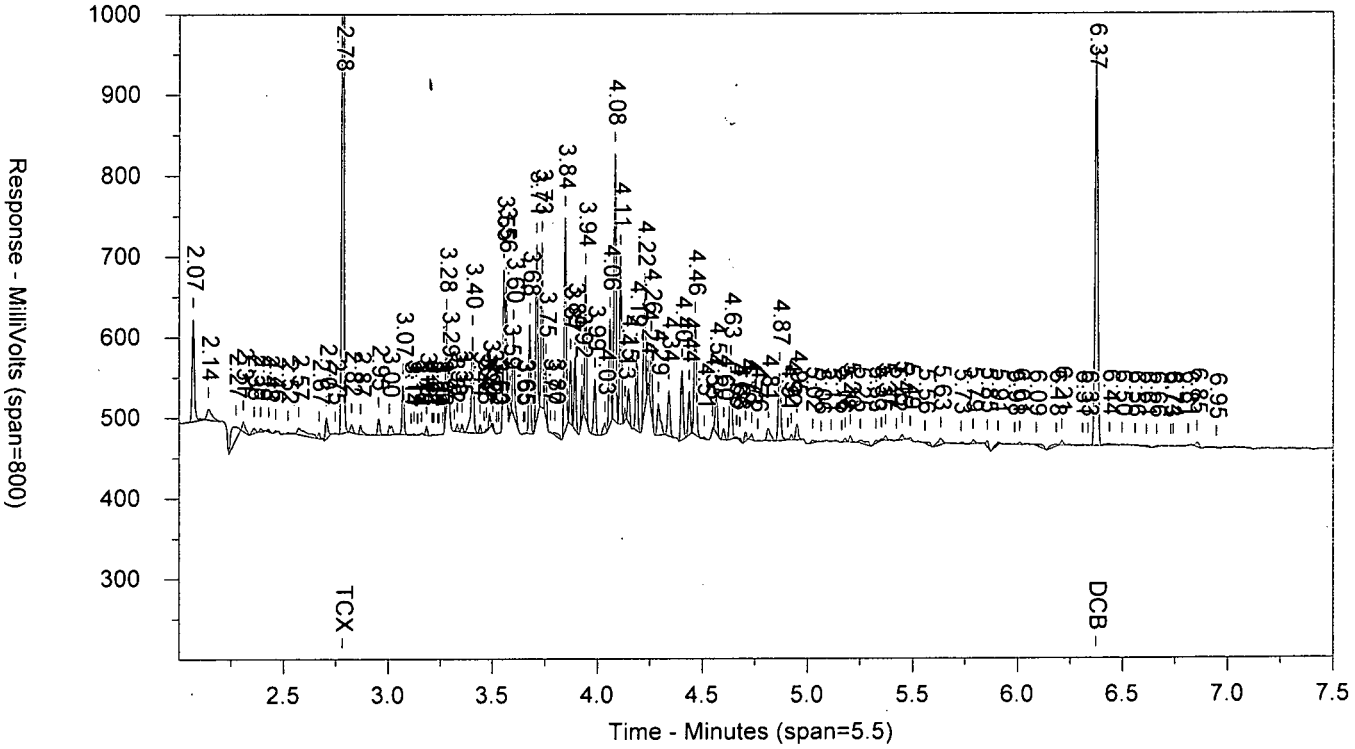

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:50:47 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: 25PCBS17309001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1339	893
2.069		908	718
2.093		9475	9352
2.147		1096	1597
2.184		486	193
2.206		9809	16433
2.278		5347	13893
2.343		11608	12075
2.433		14911	9315
2.457		4999	3709
2.497		1506	1586
2.53		602	224
2.551		7837	6496
2.613		851	528
2.672		897	674
2.694		5498	4333
2.72		1067	626
2.801		1299	1159
2.896		14720	13750
2.959		5392	4880
2.998		2096	2407
3.055	TCX	2661836	1776223
3.14		770	403
3.208		20788	19076
3.258		35941	30314
3.313		69137	52498
3.389		6852	7211
3.409		14371	8989
3.483		507	277
3.531		139131	84712
3.549		47810	24469
3.585		9027	5084
3.602		8933	7044
3.649		144270	103075
3.673		2856	2392
3.707		8645	4674
3.724		13221	7871
3.76		22147	13079
3.776		7428	3383
3.822		101923	59942
3.835		101983	55913
3.874		159262	131771
3.911		905	523
3.935		152839	120244
3.977		26219	17015
4.003		249103	185245
4.031		157346	133580
4.055		47085	25622
4.133		277123	200746
4.159		85675	56743
4.19		102799	77160
4.226		227694	230587
4.269		81964	64458
4.315		7191	5356

RT A	Compound A	Height A	Area A
4.352		42412	47096
4.391		197197	142621
4.412		258203	165134
4.437		263963	198409
4.46		9012	4859
4.506		24485	22751
4.547		248356	213512
4.569		68117	37151
4.586		38154	22433
4.628		3257	2237
4.652		13476	10538
4.695		87635	77842
4.749		105704	93978
4.782		62300	46402
4.812		183495	155014
4.86		2908	2039
4.876		663	185
4.9		74476	63561
4.939		15409	17365
4.99		17608	15562
5.032		114901	105041
5.065		17761	14626
5.115		9061	11274
5.143		10868	7237
5.161		8755	5885
5.195		2681	2117
5.234		121545	115660
5.278		2341	1753
5.307		37430	35502
5.351		31326	27593
5.373		1813	996
5.395		602	529
5.411		7929	6866
5.458		1536	1558
5.5		445	516
5.56		8910	6731
5.578		3135	1861
5.638		8697	15145
5.716		7725	8356
5.757		4223	3057
5.815		8406	5970
5.838		22999	19266
5.915		606	938
5.963		663	394
5.978		588	322
6.021		6250	5567
6.045		2038	4700
6.114		590	417
6.152		345	133
6.209		14871	14692
6.275		14853	12422
6.295		2754	1514
6.327		3577	3629
6.421		371	1135
6.45		4496	5009
6.486		654	574
6.505		538	383
6.6		3548	5368
6.654		18690	18475
6.698		474	204
6.769		471	1587
6.803	DCB	1576719	1579178
6.855		2567	2754
6.903		942	1005
6.956		580	326
6.979		622	412

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:50:47 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: 25PCBS17309001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.032		1754	1828
2.068		33541	44282
2.137		17845	28779
2.208		9822	10184
2.302		4454	8134
2.362		3115	4823
2.426		2152	2301
2.461		9134	7678
2.511		2348	1578
2.539		2157	2046
2.571		5419	8410
2.668		4287	2901
2.704		27618	22106
2.781	TCX	4804822	2919862
2.825		19808	15705
2.876		7968	10720
2.954		45501	33035
3.003		56229	48955
3.069		122162	78603
3.098		798	88
3.122		10849	7210
3.153		1191	912
3.166		810	136
3.182		29134	18416
3.214		1117	663
3.231		636	92
3.239		594	148
3.258		436	99
3.279		210047	109501
3.29		33721	13365
3.331		21060	14019
3.354		22219	13249
3.404		237061	186567
3.441		22903	13216
3.47		17780	9129
3.487		37893	19351
3.502		12652	5943
3.523		985	172
3.53		770	171
3.554		205258	99812
3.565		177451	74633
3.585		38486	15853
3.6		203837	141812
3.642		919	157
3.65		394	80
3.656		1163	346
3.676		274734	176725
3.71		425218	265067
3.735		392422	227256
3.754		122752	66027
3.773		2782	1503
3.791		533	132
3.798		1614	4006
3.845		490313	346424

RT B	Compound B	Height B	Area B
3.87		154251	92964
3.892		170982	111234
3.924		93735	49269
3.943		331706	212689
3.987		132354	98475
4.035		28350	24564
4.058		258861	168524
4.082		629731	431914
4.109		419224	277198
4.131		34745	16356
4.148		57051	35270
4.186		186153	137230
4.225		274186	207401
4.241		26364	9187
4.256		156989	94186
4.291		24339	15671
4.303		8823	4448
4.341		107938	89878
4.376		5707	3507
4.402		171632	134144
4.437		101618	73255
4.465		278723	209613
4.506		5390	5895
4.566		106424	113678
4.601		27744	21418
4.635		171820	135113
4.661		5218	2871
4.682		18360	12222
4.705		19983	13005
4.734		14998	12090
4.812		33706	37667
4.866		161367	137839
4.923		42566	34039
4.949		37736	30493
4.98		3102	1794
5.024		3827	4412
5.127		2547	4314
5.18		7786	6163
5.204		14731	11710
5.25		3995	4109
5.287		3133	2482
5.326		10865	9046
5.349		4737	2652
5.37		12063	8283
5.448		34101	28984
5.485		3082	3179
5.585		5232	4167
5.633		12905	16872
5.717		822	285
5.729		1588	876
5.788		18778	16649
5.83		849	260
5.855		22184	18490
5.905		7757	7576
6.005		5310	4268
6.052		1144	455
6.077		1091	685
6.169		1954	3116
6.209		23263	21091
6.278		973	462
6.328		1259	1335
6.371	DCB	2057378	1930372
6.53		1336	689
6.547		1077	416
6.594		1196	596
6.706		713	289

RT B	Compound B	Height B	Area B
6.746		884	360
6.825		2193	1724
6.855		4953	4253
6.963		1480	590

AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082

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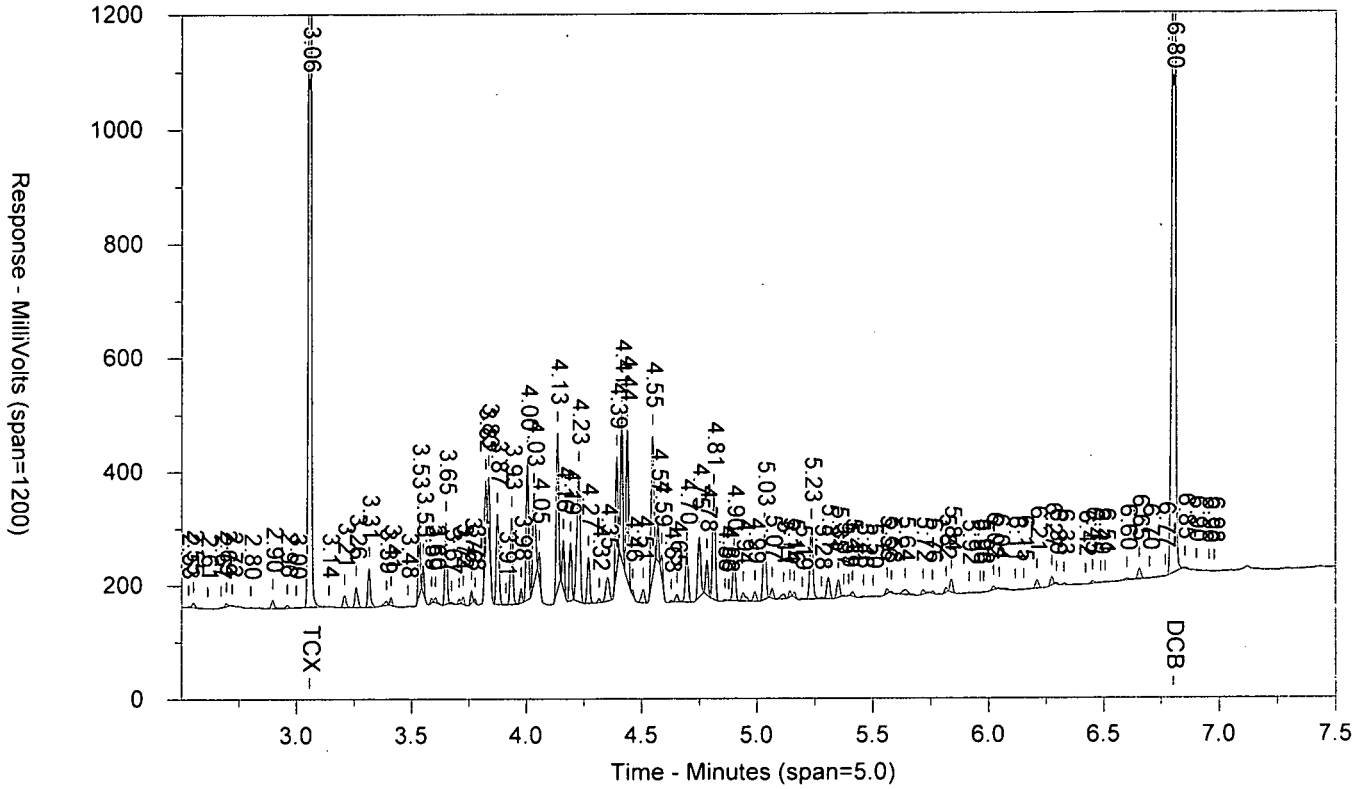

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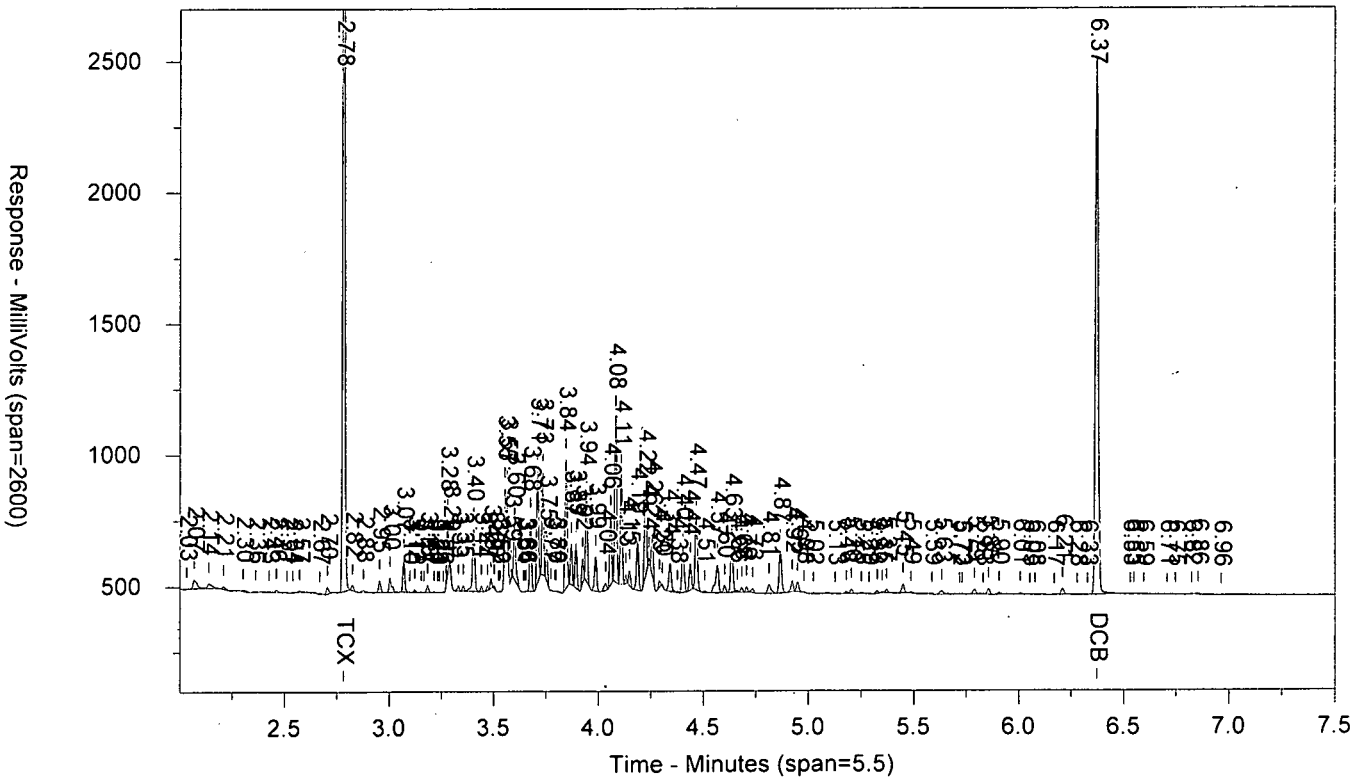

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 8:50:47 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
3.055	2661836	19.31	TCX	2.781	4804822	19.71	TCX
6.803	1576719	18.78	DCB	6.371	2057378	17.912	DCB

Files:
Area File: 25PCBS17309001.015.RAW
Area File: 25PCBS17309001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 8:59:19 PM
File Reported On: 11/7/2017 at 11:59:55 AM

AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082

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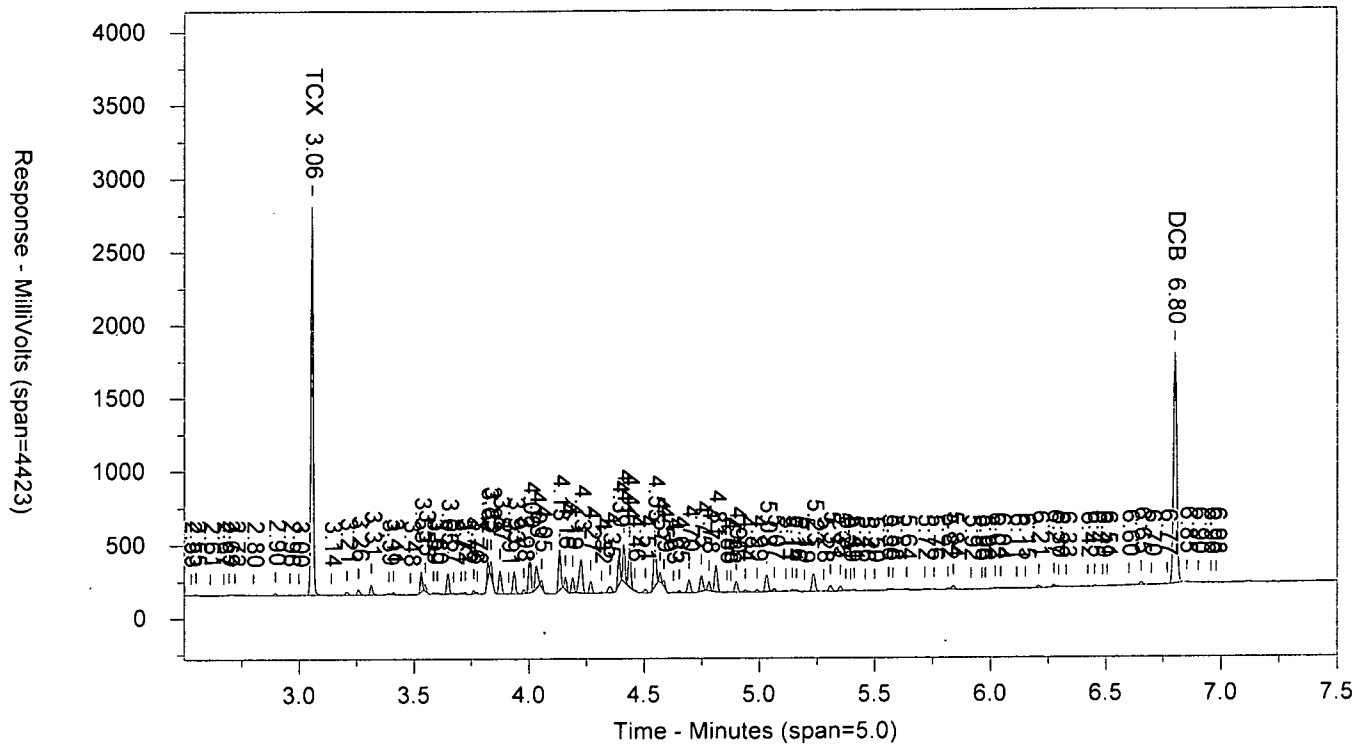

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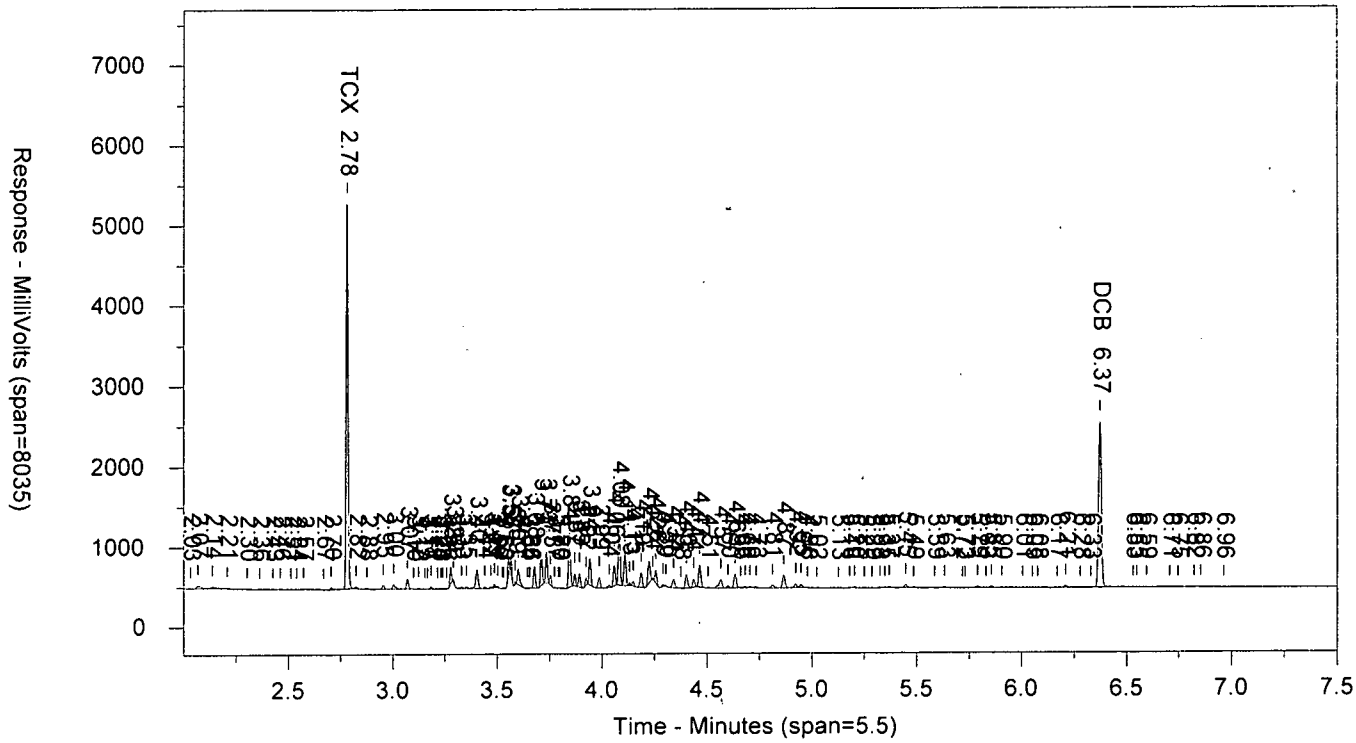

AR4831724C AAAR483AA ICAL 1730899999 10225 SW-846 8082

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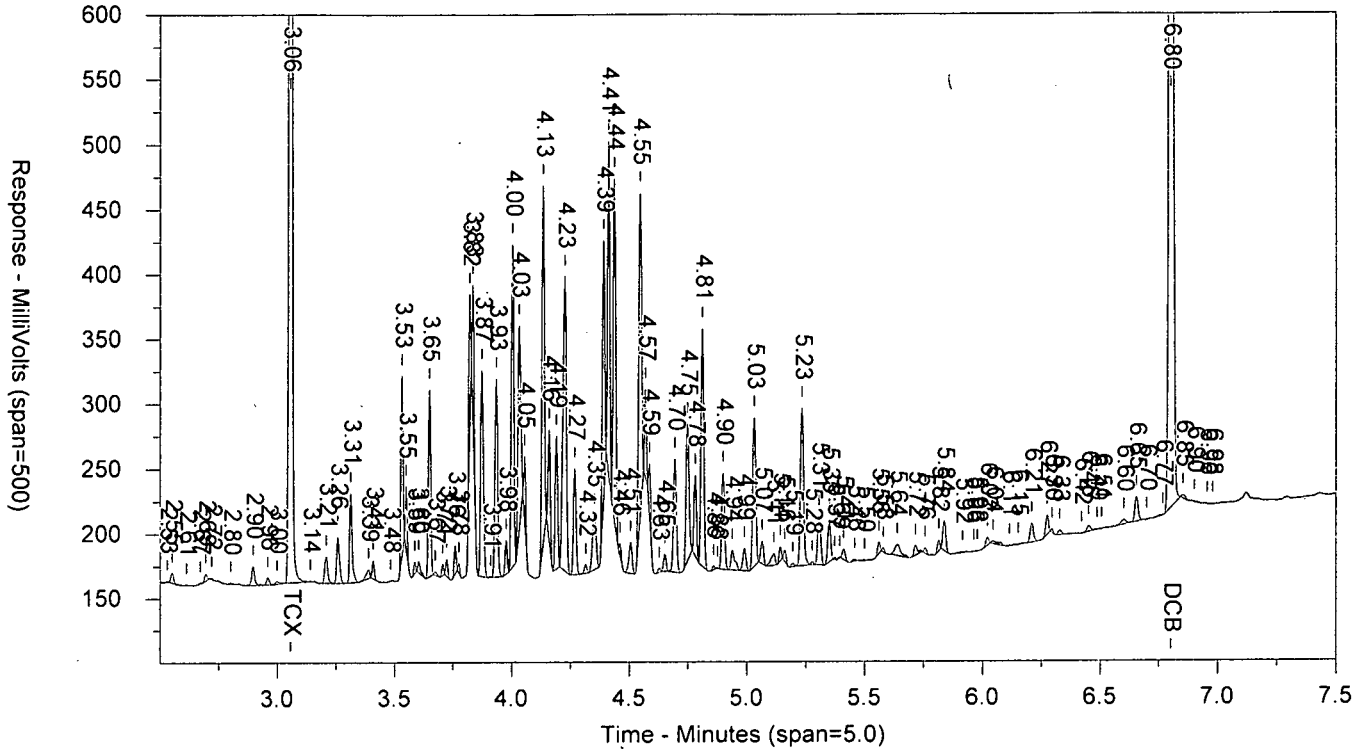

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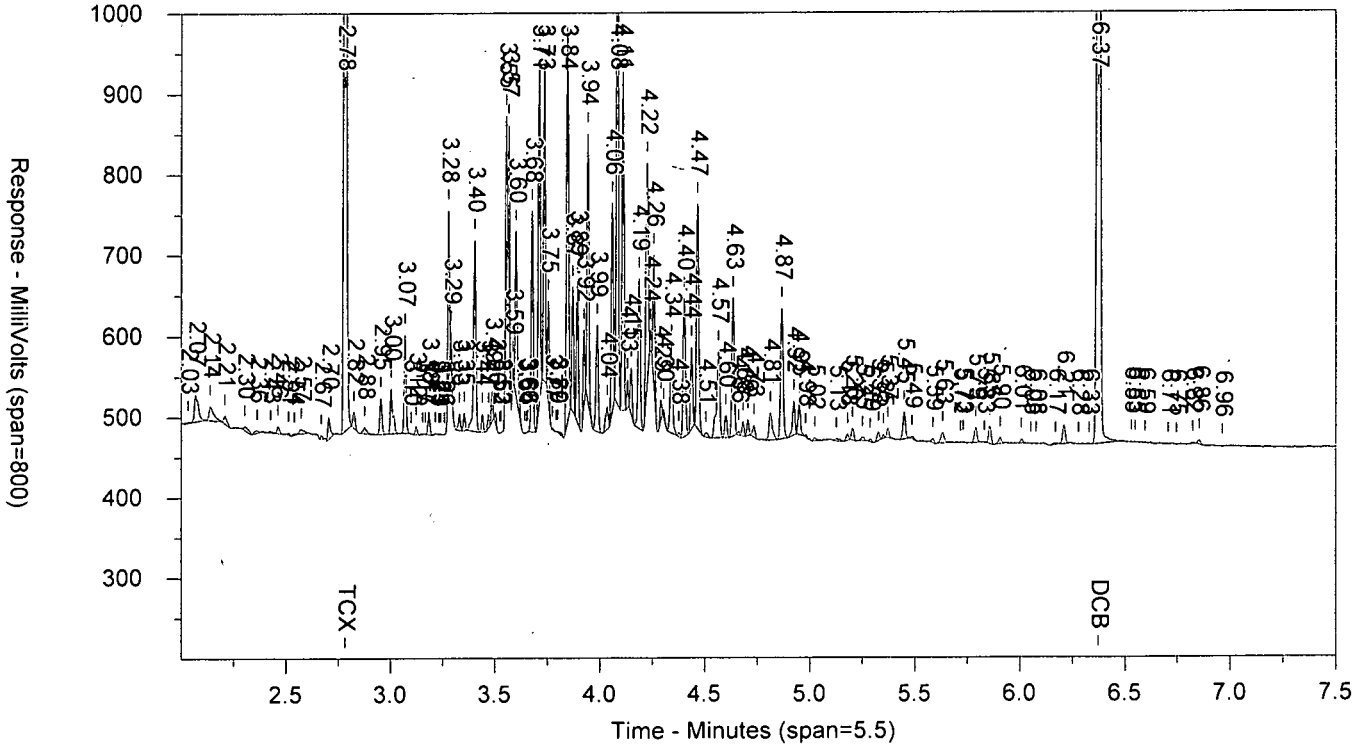

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:02:08 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: 25PCBS17309001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.023		1344	1230
2.07		1101	790
2.095		10132	9918
2.209		5638	8579
2.271		712	629
2.344		23554	21383
2.433		16469	10158
2.456		9854	7784
2.5		1477	1785
2.529		622	414
2.551		10149	8940
2.67		982	601
2.694		11058	12931
2.78		390	125
2.8		1114	1088
2.839		752	433
2.896		16088	15033
2.959		5913	5311
2.994		538	308
3.013		469	304
3.055	TCX	5713720	3695107
3.141		784	362
3.157		2103	1420
3.208		40589	35633
3.257		74910	61489
3.313		130191	94120
3.389		11065	8850
3.409		27982	17447
3.49		834	1159
3.53		255183	156084
3.548		88085	47099
3.585		17982	9992
3.602		16879	10695
3.649		270886	191304
3.672		2249	1939
3.706		17964	10136
3.723		24505	14056
3.759		46914	27189
3.775		13768	6746
3.821		202065	113188
3.834		184136	103190
3.874		298912	245315
3.935		282216	227425
3.976		49649	33564
4.003		461523	344090
4.031		298575	250424
4.055		90565	50005
4.133		510715	384399
4.158		152377	100699
4.19		196687	145950
4.227		442694	438766
4.268		156350	124725
4.315		14283	11014
4.353		57751	62013

RT A	Compound A	Height A	Area A
4.391		396963	275258
4.412		484833	321301
4.436		528383	390507
4.506		50163	46222
4.546		480307	407526
4.569		142236	76226
4.585		67064	38468
4.628		6840	4507
4.651		29239	22574
4.695		155499	142255
4.749		203515	179602
4.781		117468	89490
4.812		341818	296998
4.86		5973	4211
4.9		136865	122746
4.939		32058	36379
4.989		35632	32058
5.032		222859	204372
5.066		34089	27053
5.091		1087	589
5.114		18051	16914
5.142		21249	14136
5.16		17276	11081
5.194		5211	4422
5.234		235152	222602
5.278		4865	3264
5.307		68361	65676
5.35		61837	54139
5.372		3713	1728
5.39		3655	1850
5.412		11523	9375
5.456		4605	3900
5.48		678	241
5.499		707	694
5.559		17576	14022
5.578		5048	3381
5.636		10933	13479
5.674		2663	1616
5.717		16246	14364
5.758		10152	8069
5.784		2158	1550
5.814		16954	12243
5.837		44299	35746
5.898		640	373
5.927		401	265
5.968		512	292
6.02		14684	14060
6.047		1117	671
6.068		637	313
6.115		630	263
6.164		602	296
6.209		30209	28771
6.242		462	160
6.275		28159	23861
6.295		4782	2898
6.328		3398	4038
6.383		391	673
6.41		649	678
6.451		9934	14389
6.602		3089	5647
6.655		37222	38359
6.727		548	441
6.757		927	989
6.803	DCB	3238759	3138638
6.852		2383	1239
6.908		1205	1561

RT A	Compound A	Height A	Area A
6.989		1084	592

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:02:08 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: 25PCBS17309001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.034		1264	1050
2.077		45089	64644
2.141		10206	19365
2.208		17665	17323
2.305		7677	10817
2.365		3388	5712
2.461		16243	14233
2.52		2128	2741
2.572		7852	24428
2.667		3806	2422
2.704		32869	26262
2.781	TCX	9865722	6129314
2.825		36538	28892
2.925		1385	759
2.954		82540	61448
3.003		116339	98054
3.069		221721	143194
3.121		21163	12159
3.151		743	196
3.156		1151	350
3.182		54942	35843
3.207		1036	206
3.212		1216	497
3.226		1210	218
3.24		826	248
3.259		1019	357
3.278		381839	203942
3.29		63198	22273
3.331		39453	23753
3.354		41372	24214
3.382		3568	2305
3.404		421883	306003
3.441		42247	25632
3.469		37270	18725
3.487		69563	37775
3.502		26839	12356
3.534		673	79
3.554		382599	183940
3.565		357469	152811
3.585		79198	31970
3.6		388758	262913
3.652		908	138
3.676		510504	337513
3.709		812398	503359
3.734		757385	433799
3.753		244357	130121
3.773		2527	884
3.791		957	158
3.799		2247	3818
3.844		954108	662418
3.869		295467	176382
3.892		318298	211333
3.924		172469	90874
3.942		647989	406532

RT B	Compound B	Height B	Area B
3.987		261507	192295
4.035		53438	48792
4.058		502476	325093
4.082		1272394	848728
4.108		829767	547237
4.13		67081	33797
4.148		83598	50391
4.186		349318	266382
4.225		537485	402983
4.241		47947	16647
4.256		313804	185896
4.29		19682	11095
4.304		29048	16904
4.34		213549	174870
4.376		8797	4976
4.402		332795	265575
4.436		202611	142748
4.465		527641	402426
4.506		11380	10940
4.565		202987	219496
4.6		54375	42883
4.634		336293	264147
4.659		9916	5321
4.682		34714	22447
4.704		38739	24968
4.733		28265	22513
4.786		1076	428
4.812		65167	65727
4.866		320776	270813
4.922		76536	65419
4.948		74556	60066
4.98		5999	3006
4.998		5025	2832
5.021		6873	7070
5.089		2230	2850
5.127		2200	1833
5.178		16225	11518
5.203		28999	22730
5.25		8878	9138
5.289		5272	3660
5.325		19833	14770
5.349		10372	6052
5.37		24625	20585
5.448		61836	53273
5.482		3277	4209
5.563		1095	1239
5.585		10775	8048
5.631		23950	25722
5.666		1558	1063
5.7		1352	834
5.735		1104	489
5.788		38104	33455
5.855		43098	37596
5.903		15504	15252
5.986		759	310
6.006		10498	10468
6.109		1871	2588
6.161		2501	2888
6.208		48412	40848
6.243		1848	1194
6.299		1305	872
6.37	DCB	4464686	3869343
6.493		1196	578
6.542		1520	1655
6.582		1876	4505
6.688		1101	1012

RT B	Compound B	Height B	Area B
6.755		1109	697
6.824		4066	3321
6.854		5230	4410
6.983		854	337

AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082

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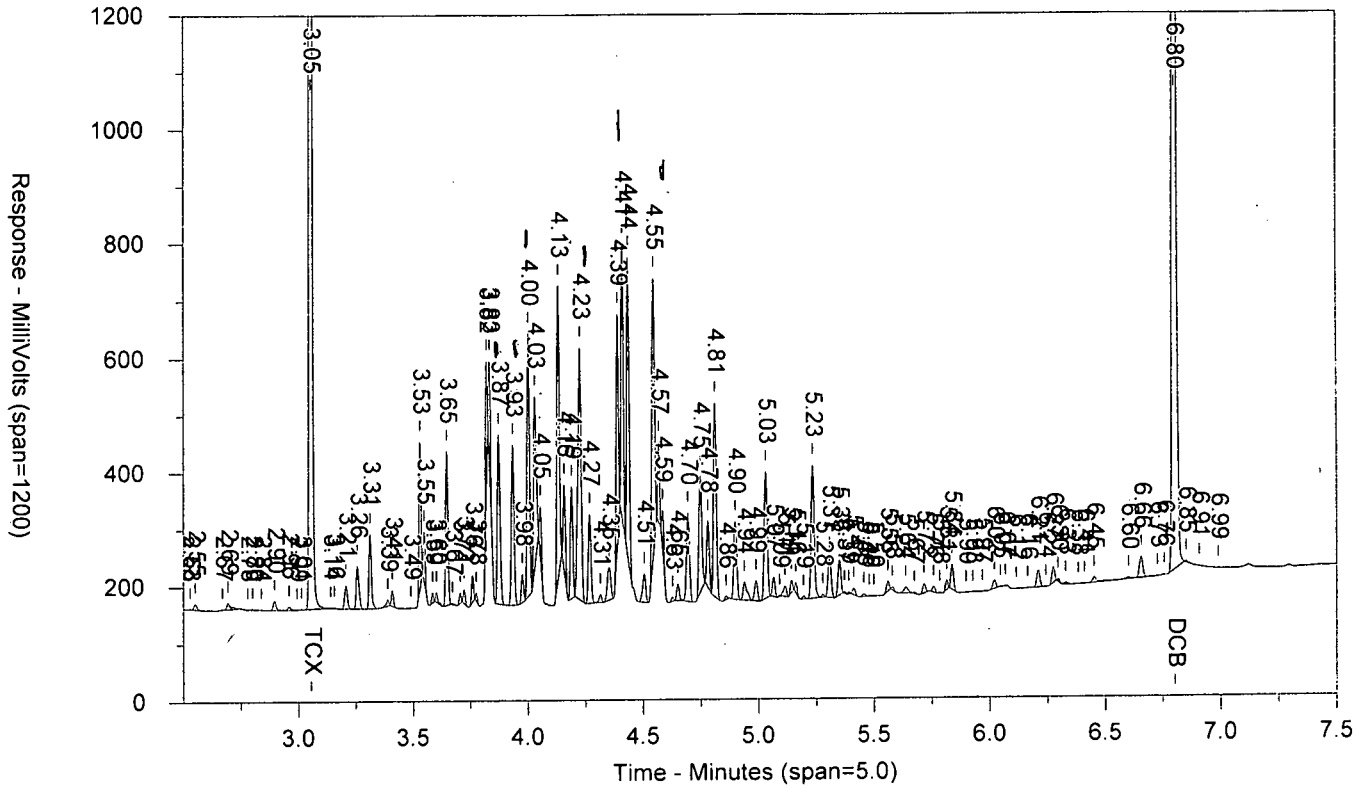

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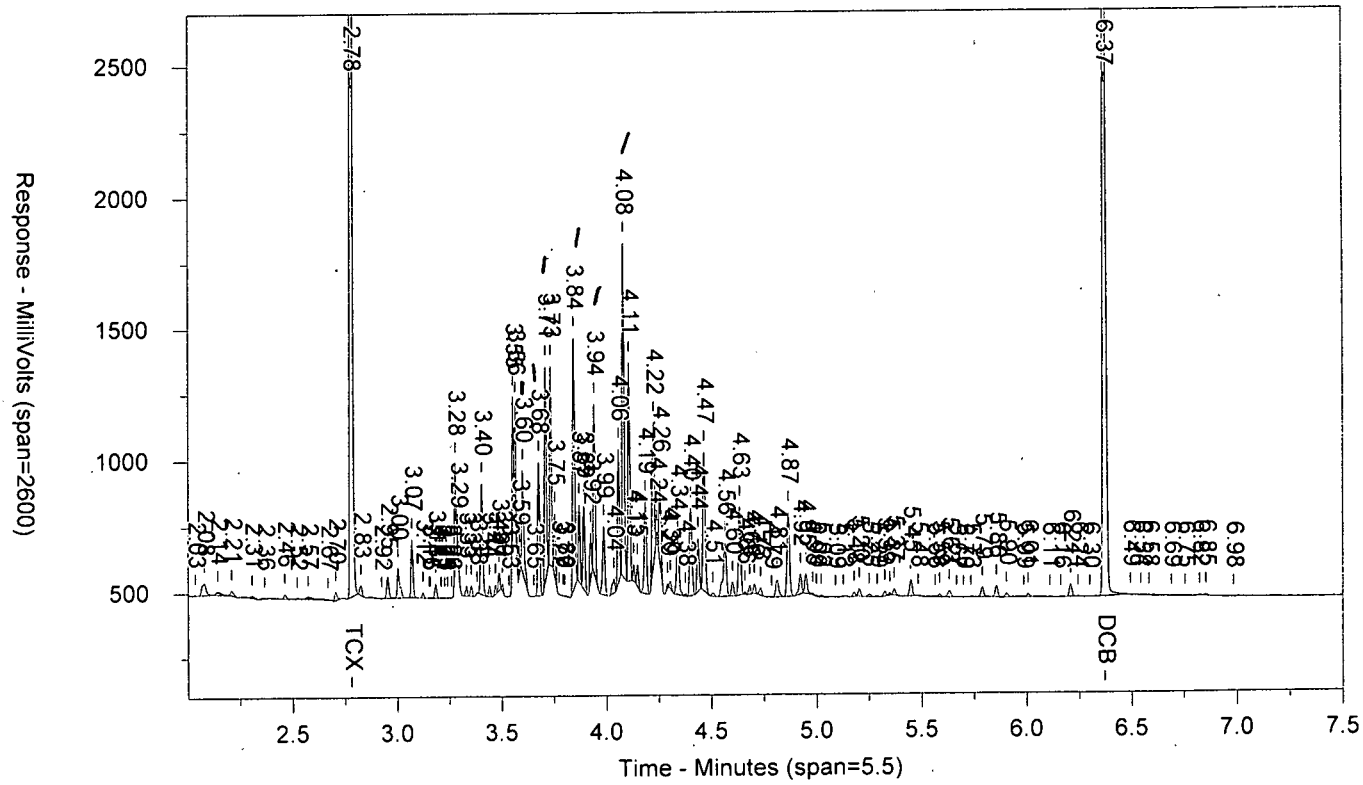

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:02:08 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
3.055	5713720	41.45	TCX	2.781	9865722	40.469	TCX
6.803	3238759	38.576	DCB	6.37	4464686	38.871	DCB

Files:
Area File: 25PCBS17309001.016.RAW
Area File: 25PCBS17309001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 9:10:38 PM
File Reported On: 11/7/2017 at 12:00:39 PM

AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082

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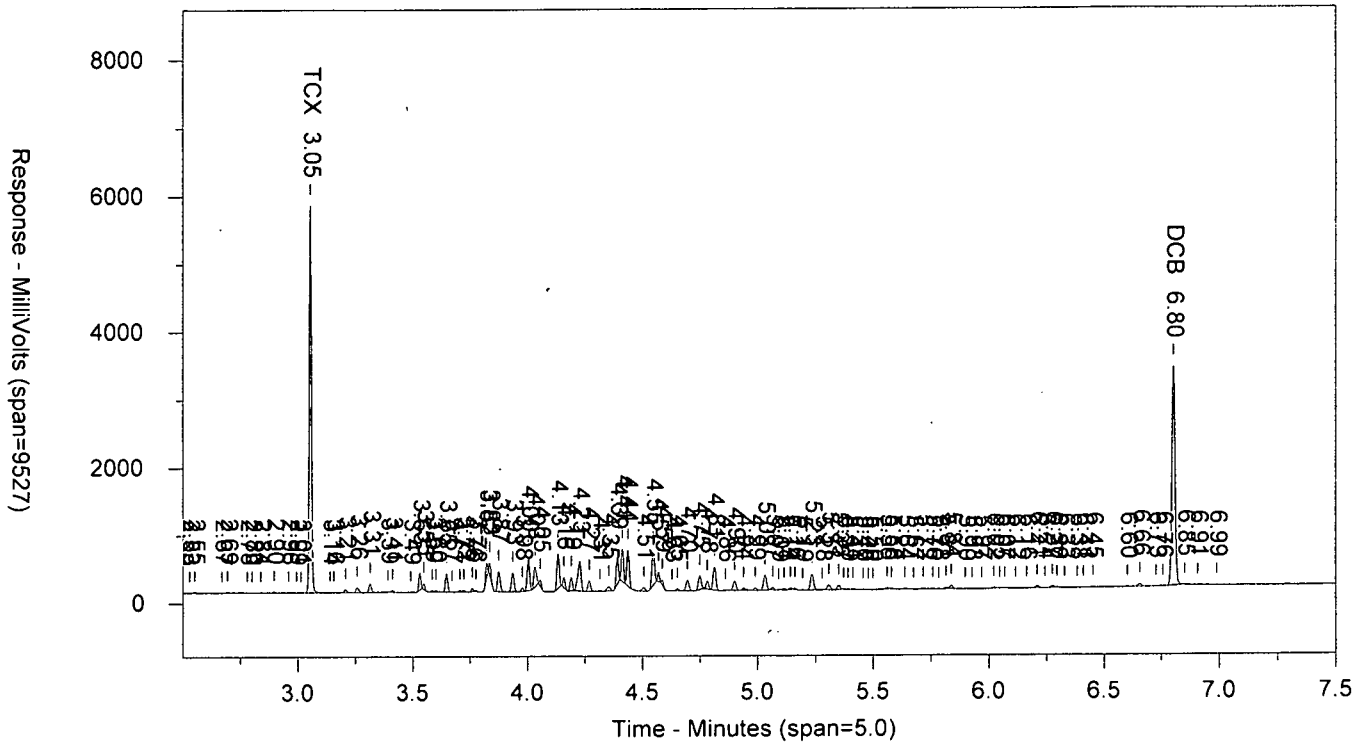

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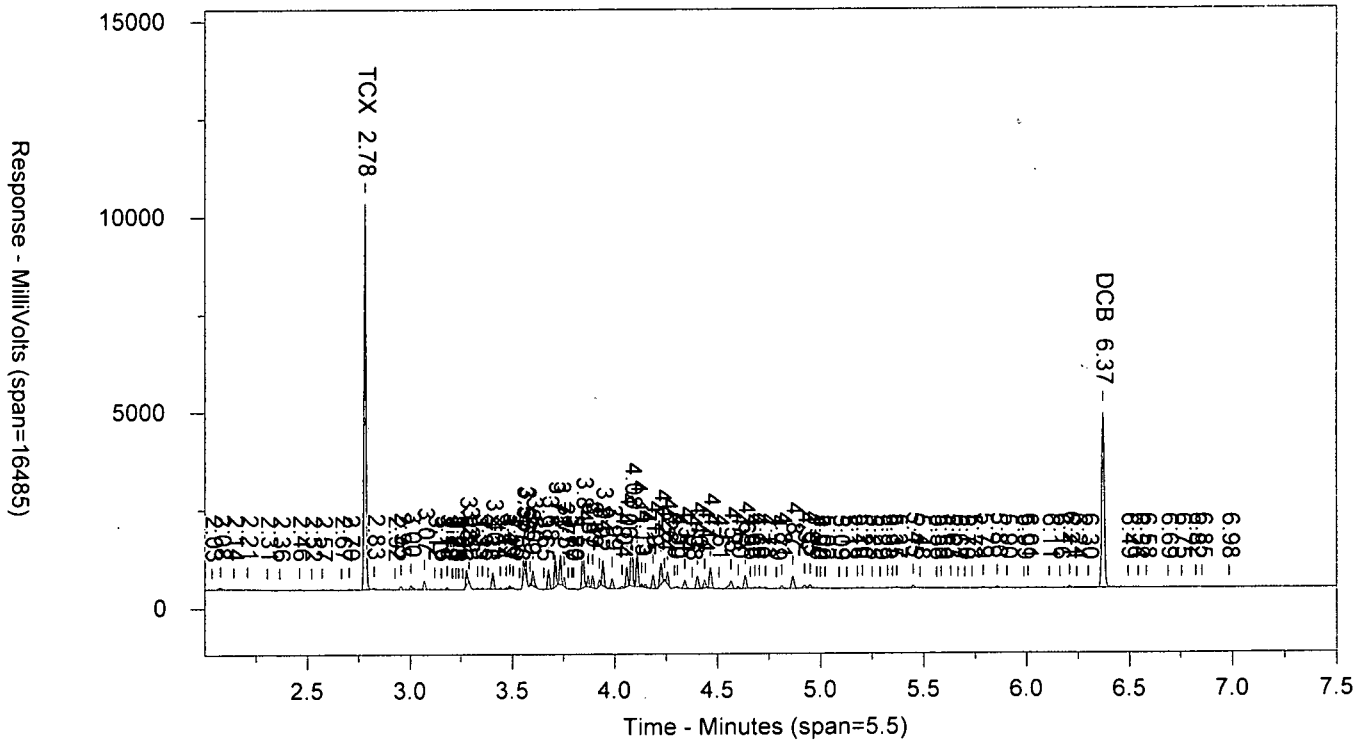

AR4841724C AAAR484AA ICAL 1730899999 10225 SW-846 8082

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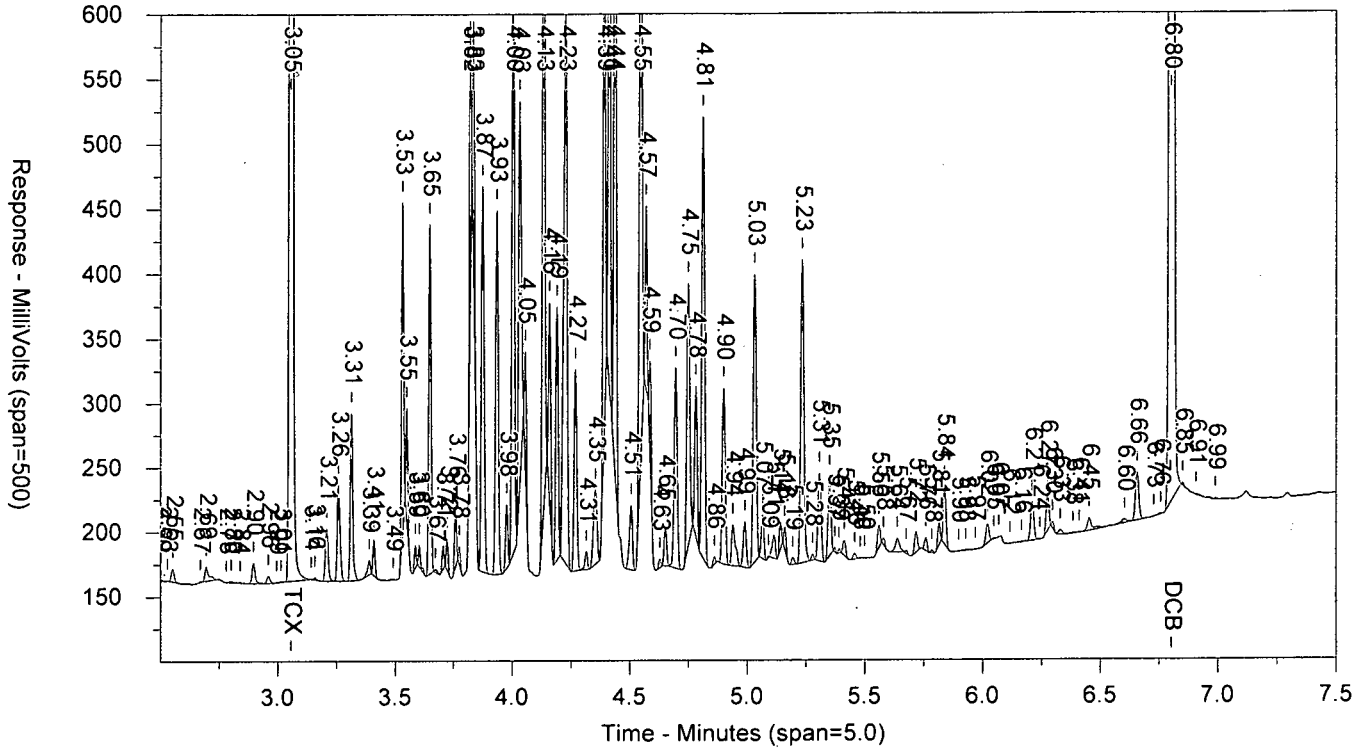

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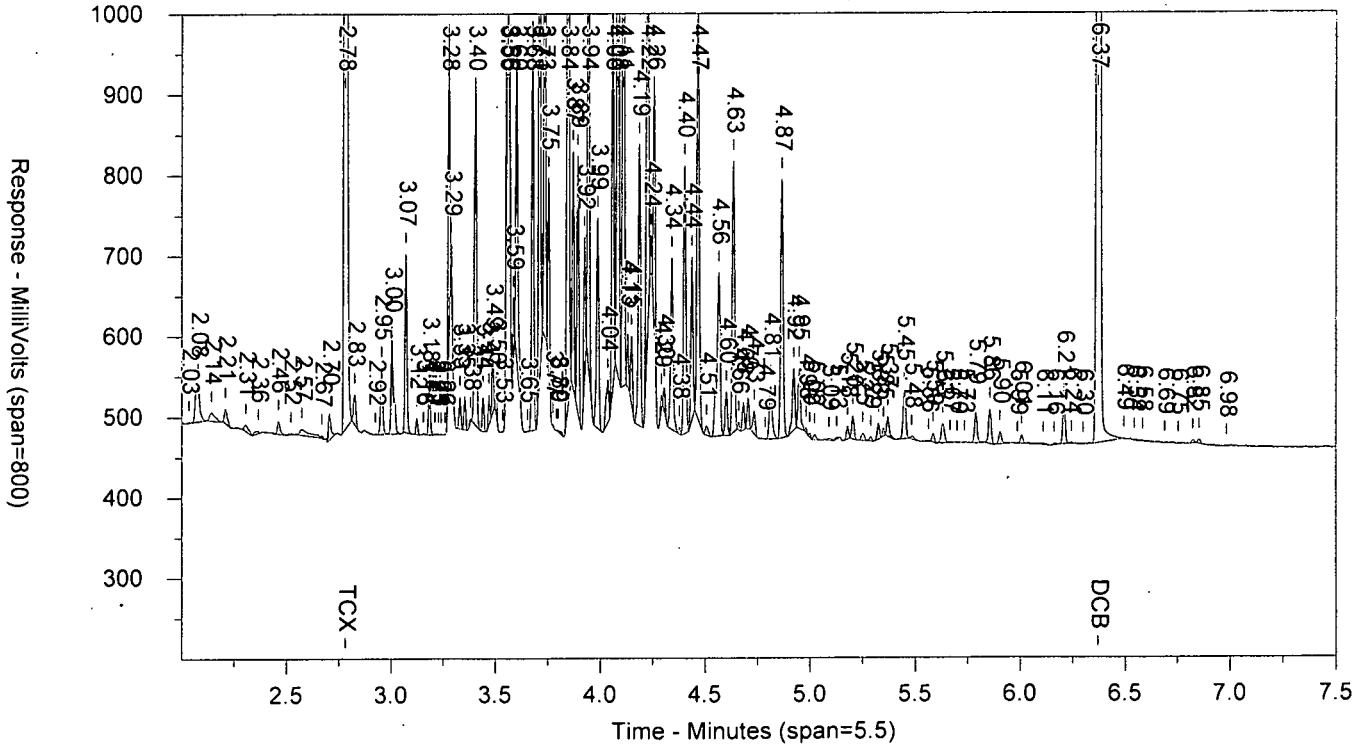

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:13:27 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: 25PCBS17309001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1237	942
2.072		1345	966
2.094		7310	7788
2.143		1045	631
2.21		5285	7971
2.27		2840	5297
2.344		36887	32224
2.433		16109	9858
2.456		15507	12079
2.498		1241	1217
2.551		10407	8886
2.649		409	161
2.672		899	489
2.694		25852	32044
2.838		988	779
2.896		15214	14312
2.96		4336	4594
3.015		560	718
3.056	TCX	8543597	5552238
3.157		2627	1853
3.209		94008	83410
3.259		110641	104928
3.313		286958	205964
3.39		14026	8984
3.409		66556	42564
3.451		1212	542
3.484		996	1177
3.531		570790	346090
3.548		197862	105368
3.586		46526	25256
3.603		40620	21497
3.617		5432	2614
3.649		626434	440041
3.682		1599	863
3.707		26116	14572
3.724		57267	35064
3.76		100224	60995
3.775		33346	16486
3.822		469204	265436
3.835		498792	267008
3.874		698155	561658
3.935		673247	520034
3.977		110679	75992
4.003		1079549	773924
4.032		660252	571042
4.055		208144	107974
4.133		1242385	896176
4.159		365836	233980
4.19		455913	327908
4.227		1041770	1002622
4.269		344645	281202
4.299		1681	674
4.315		35867	25280
4.355		113894	109745

RT A	Compound A	Height A	Area A
4.391		931750	639722
4.413		1163163	761148
4.437		1286231	938947
4.506		111880	109365
4.547		1115720	961253
4.57		350847	191293
4.585		141233	75212
4.628		17562	12047
4.653		68812	52985
4.696		331065	300337
4.75		467349	403783
4.782		259404	199290
4.813		782670	679084
4.86		15978	10808
4.875		2344	896
4.9		302136	273090
4.939		75177	88899
4.99		81750	74943
5.032		499255	471758
5.067		45925	36619
5.09		4089	1867
5.116		44578	39972
5.142		51534	35835
5.161		40891	28630
5.195		10611	9232
5.234		567815	516495
5.278		13840	9795
5.308		102185	100990
5.351		135358	122929
5.373		9582	4504
5.391		9411	5204
5.414		23680	18520
5.457		11379	9714
5.496		1537	1456
5.559		41716	31867
5.578		15024	8776
5.636		14999	17498
5.675		5075	3143
5.716		25976	23125
5.758		28708	24354
5.785		4434	3097
5.815		42412	32241
5.838		59034	46527
5.908		525	620
5.932		767	729
5.982		403	249
6.021		37219	36925
6.075		14936	24672
6.115		652	433
6.142		564	309
6.156		580	258
6.21		43269	42001
6.275		38741	32746
6.296		9983	6162
6.329		2558	2881
6.392		2478	5478
6.452		21121	21861
6.496		1196	1623
6.599		2134	2786
6.655		58890	57759
6.692		633	278
6.754		1421	1275
6.804	DCB	4715746	4846462

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:13:27 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: 25PCBS17309001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.034		1705	1213
2.077		64575	86511
2.141		11087	20951
2.208		28384	27056
2.302		11227	13949
2.359		4145	9119
2.462		40151	33710
2.52		1674	1033
2.574		6461	21880
2.668		4223	5924
2.704		29769	23057
2.736		3199	3787
2.781	TCX	14957080	9269943
2.825		86116	72487
2.867		3224	5093
2.954		188131	139719
3.003		170358	167288
3.069		499710	328457
3.121		29937	18246
3.152		1231	769
3.164		896	161
3.182		121110	79696
3.211		592	92
3.23		925	283
3.243		401	97
3.259		531	129
3.279		882766	455307
3.29		150251	57629
3.331		91516	56717
3.354		93077	56487
3.38		22111	11545
3.404		974573	690928
3.441		99990	60794
3.47		51819	26748
3.487		174354	92725
3.503		65913	31078
3.533		997	342
3.554		882885	419245
3.565		922230	401317
3.586		157978	69654
3.6		954219	616417
3.676		1220100	785803
3.71		1939635	1162113
3.734		1771790	1020981
3.753		558417	294962
3.773		3288	1471
3.845		2278542	1563288
3.87		696460	405494
3.892		732579	474823
3.925		365701	194182
3.942		1598388	964208
3.987		580601	443690
4.036		121979	108257
4.058		1219303	766202

RT B	Compound B	Height B	Area B
4.082		3102173	2051904
4.109		2073513	1346886
4.131		159395	81710
4.148		151992	87659
4.186		812895	611987
4.225		1301093	960669
4.242		98139	33535
4.256		777108	462375
4.29		10640	6208
4.304		87953	60082
4.341		475000	394204
4.377		10680	5512
4.402		781131	628330
4.437		463313	331344
4.465		1254176	945604
4.506		26326	25747
4.566		471682	504042
4.6		124237	96262
4.635		791726	613305
4.659		26072	14564
4.682		48339	30711
4.704		91140	61149
4.733		67866	53060
4.812		140207	140519
4.867		762752	637153
4.923		101684	92599
4.948		170893	144182
4.982		13928	7144
4.998		13453	7491
5.023		14712	11660
5.07		1362	489
5.096		4253	3946
5.129		3041	2000
5.141		5724	3582
5.179		34001	25097
5.204		65466	51790
5.253		18937	19456
5.289		8973	6122
5.326		25920	20633
5.349		25066	15627
5.371		58203	47315
5.448		87980	77262
5.485		1661	1119
5.562		1293	539
5.587		25728	20737
5.632		52839	56507
5.734		1755	2074
5.789		52363	46007
5.856		61514	52073
5.905		24688	24324
5.973		1208	339
6.008		25061	21412
6.036		1669	1679
6.073		956	598
6.157		3110	3417
6.208		74107	67136
6.332		1200	449
6.371	DCB	6501251	5796332
6.573		1372	413
6.647		986	819
6.673		1484	543
6.799		946	434
6.826		5632	4683
6.855		4365	3696

AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082

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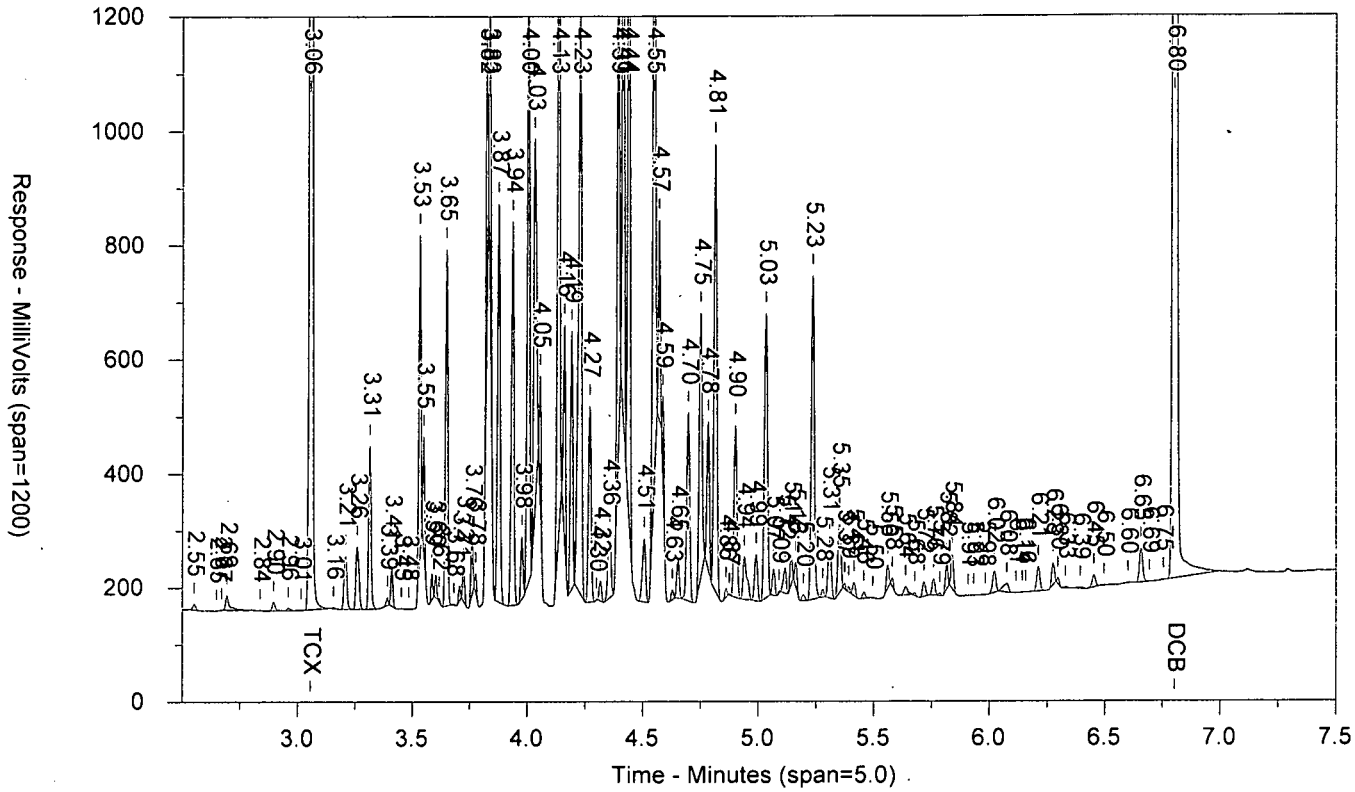

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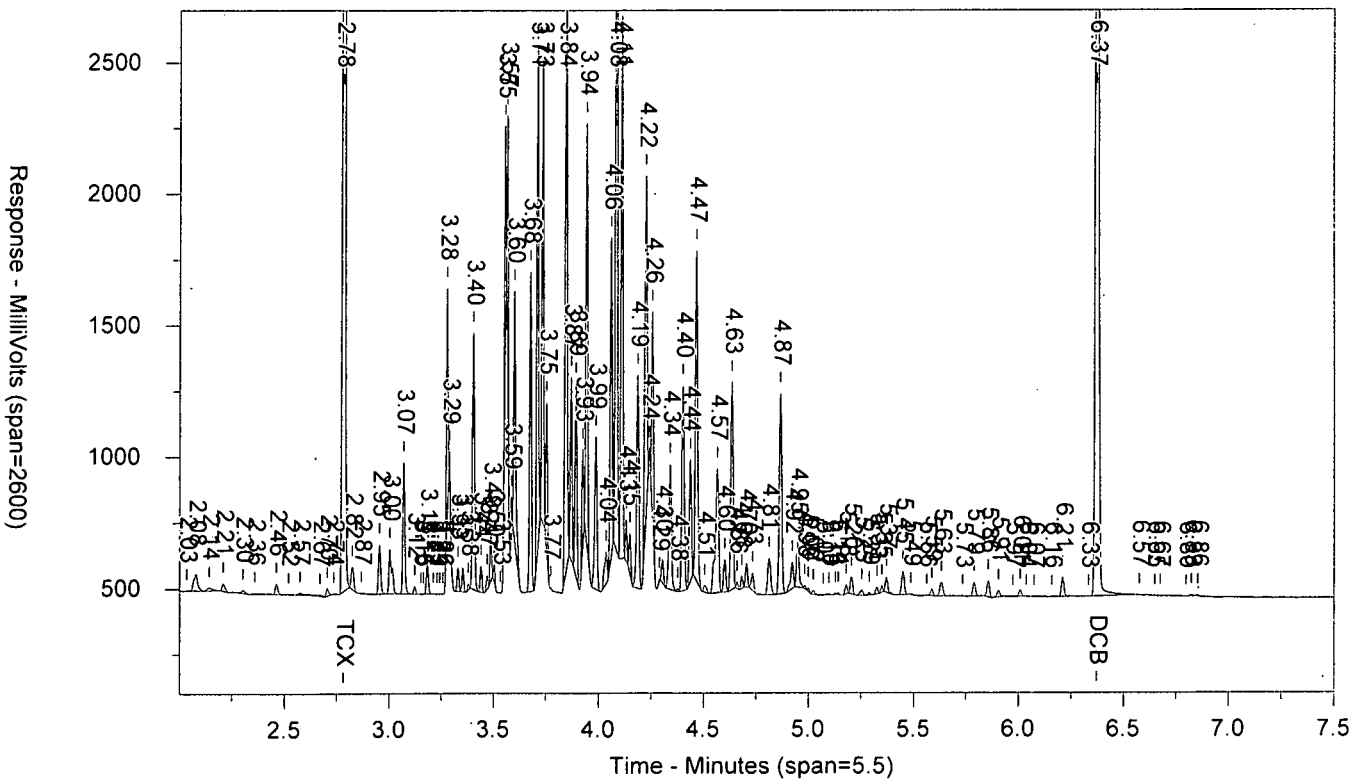

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:13:27 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
3.056	8543597	61.979	TCX	2.781	14957080	61.354	TCX
6.804	4715746	56.168	DCB	6.371	6501251	56.601	DCB

Files:
Area File: 25PCBS17309001.017.RAW
Area File: 25PCBS17309001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 9:21:57 PM
File Reported On: 11/7/2017 at 12:01:19 PM

AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082

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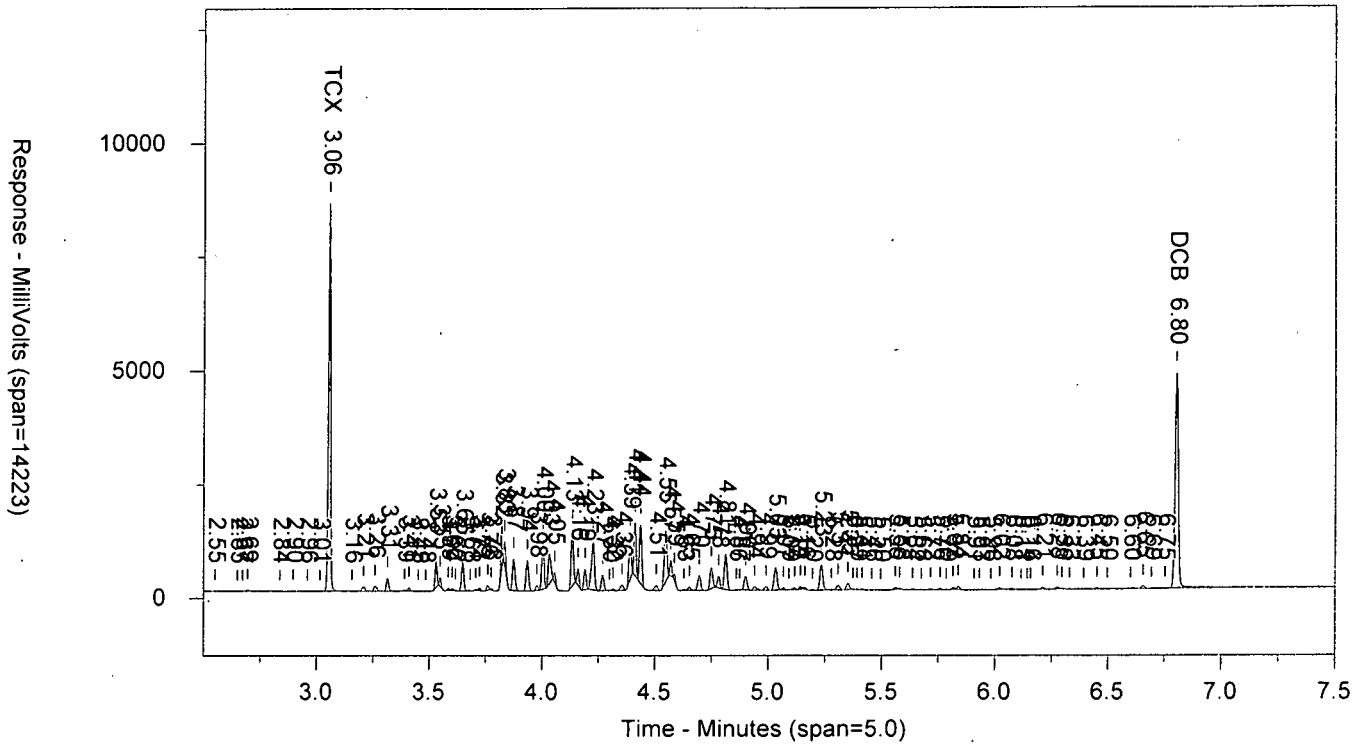

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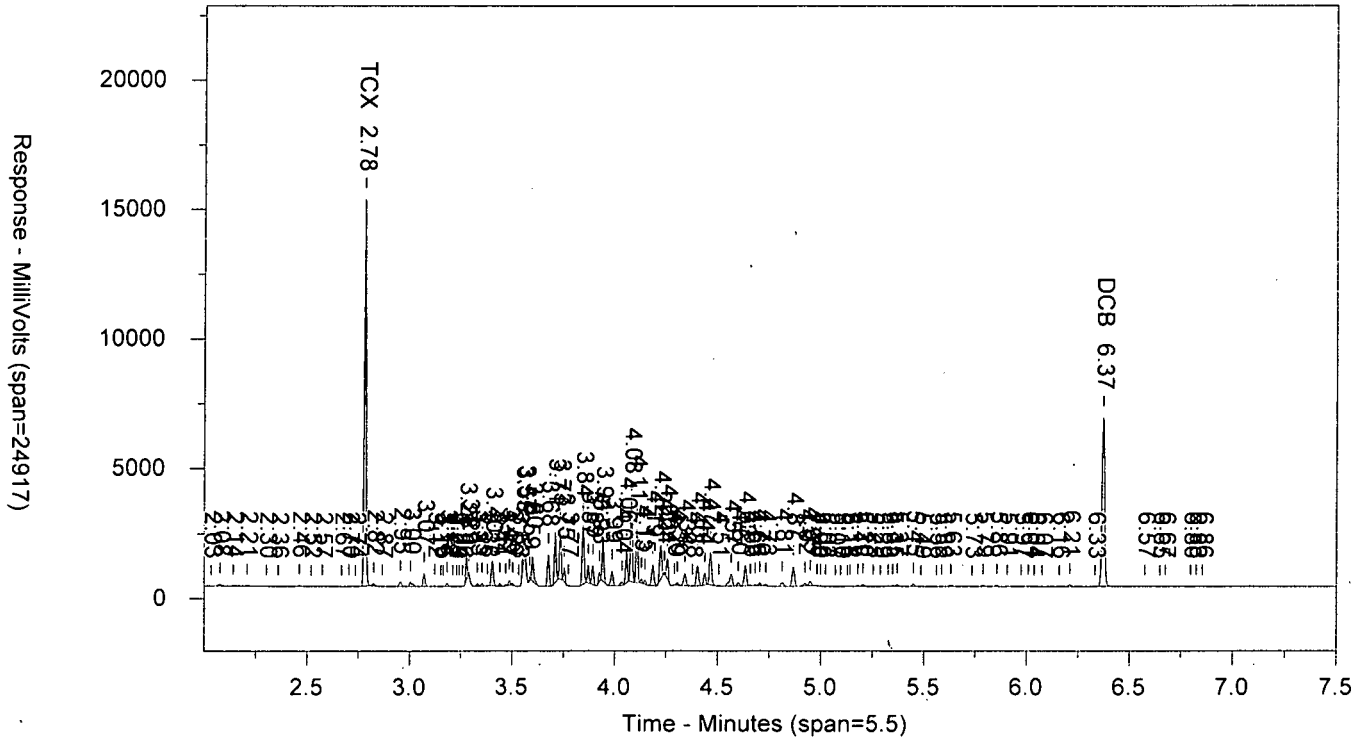

AR4851724C AAAR485AA ICAL 1730899999 10225 SW-846 8082

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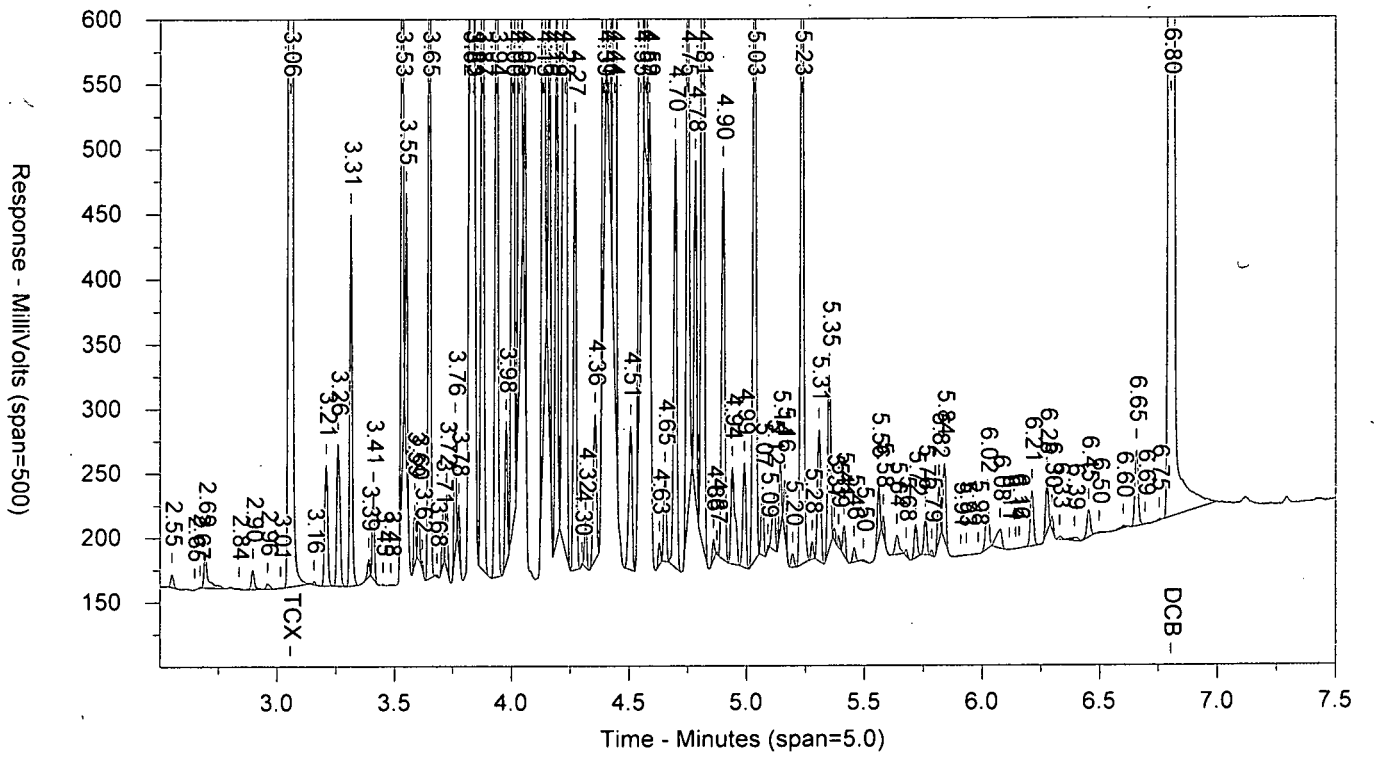

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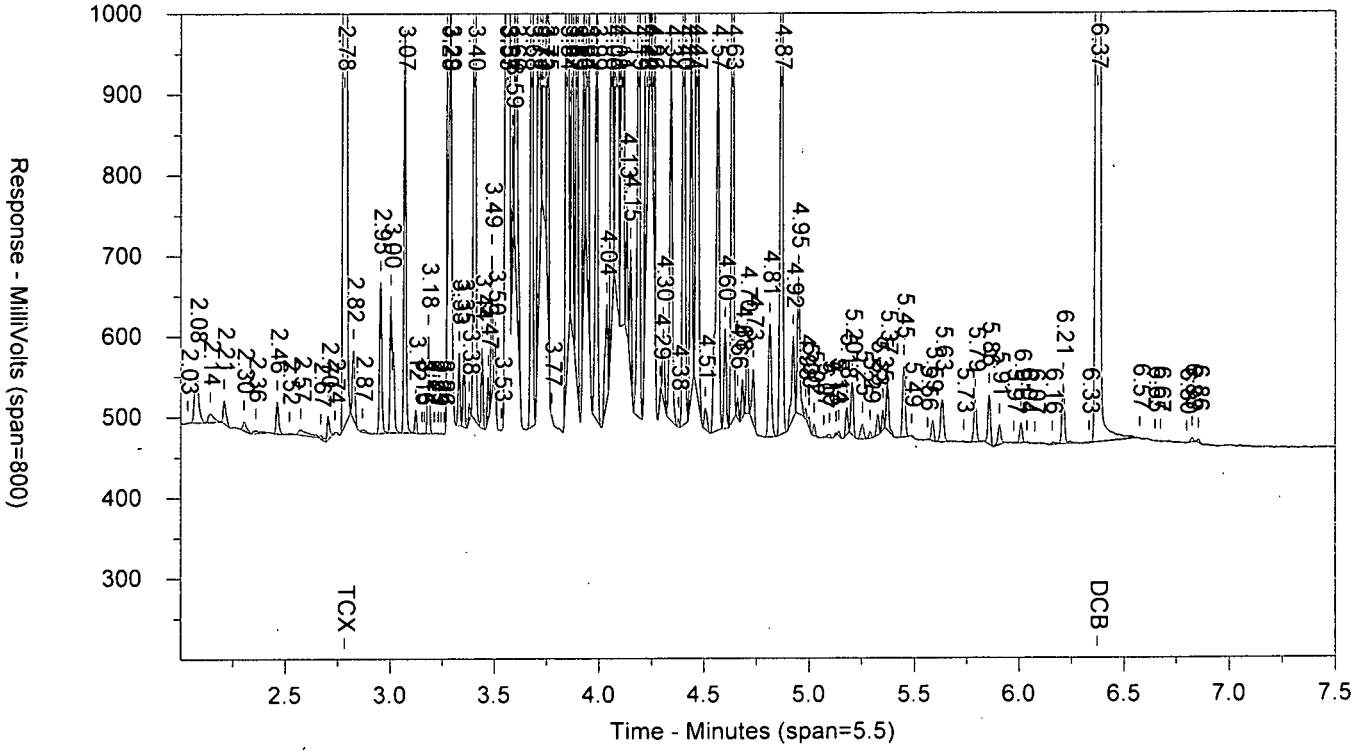

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:24:46 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: 25PCBS17309001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.023		1719	1272
2.07		1077	680
2.094		21931	20909
2.139		774	1166
2.206		7310	10308
2.277		2961	5323
2.344		48009	41969
2.433		16666	10324
2.456		20161	15840
2.499		1269	1234
2.526		684	295
2.552		21336	18973
2.669		846	710
2.694		45479	41102
2.799		1161	1182
2.838		1936	1509
2.896		14815	14698
2.958		11935	11876
3.014		618	558
3.055	TCX	11295270	7388644
3.158		3484	2074
3.207		177655	157189
3.258		155893	161574
3.313		541528	395622
3.389		17539	9464
3.408		120967	79694
3.447		1932	1121
3.488		855	836
3.53		1169364	678359
3.547		388610	203048
3.585		82913	48675
3.602		70663	35971
3.616		12767	5183
3.648		1196868	873011
3.705		33232	19202
3.723		105414	65964
3.759		188751	116452
3.775		67143	33395
3.821		1012008	551441
3.834		1085465	559203
3.873		1369931	1104918
3.934		1315692	1038177
3.976		196832	139257
4.002		2145086	1532973
4.031		1410653	1146317
4.054		407359	221258
4.133		2575253	1835167
4.158		673717	450954
4.189		891076	647459
4.226		2194018	2032347
4.268		678118	552306
4.314		76878	65360
4.356		208603	197253
4.39		1957473	1318587

RT A	Compound A	Height A	Area A
4.411		2453223	1612326
4.435		2667373	1977367
4.505		217951	214731
4.546		2406311	1996677
4.568		792187	445500
4.585		297837	168460
4.627		38187	25970
4.651		126340	99952
4.696		643492	576555
4.748		953671	812801
4.781		523207	397821
4.811		1628784	1386363
4.859		33006	23036
4.875		6050	2172
4.899		611476	533020
4.939		139299	173789
4.989		158983	147819
5.031		1068187	953219
5.064		50953	39852
5.089		9900	5798
5.114		80435	76098
5.141		100596	69532
5.16		80099	52342
5.193		22304	17911
5.232		1156170	1066325
5.277		29175	21658
5.306		121834	125208
5.349		269643	239641
5.372		18965	9128
5.39		18223	9564
5.412		46449	36778
5.456		22753	19404
5.477		1072	387
5.495		3077	2270
5.558		74839	59602
5.576		22069	13218
5.635		26238	25679
5.673		9208	6861
5.716		29351	28173
5.757		61159	50282
5.782		9127	6627
5.814		85683	70905
5.837		61982	48062
5.93		1185	1741
5.985		410	478
6.02		72403	73343
6.075		30643	47505
6.118		381	348
6.176		729	924
6.208		56584	55326
6.273		49510	39279
6.294		16642	10577
6.326		4374	4871
6.377		455	94
6.401		1558	1564
6.451		42960	41605
6.498		2263	2296
6.523		830	374
6.559		433	89
6.599		4609	7914
6.653		83419	84838
6.7		673	216
6.72		661	238
6.753		981	906
6.802	DCB	6610746	6740616

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:24:46 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: 25PCBS17309001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.029		1726	1034
2.078		84172	111613
2.139		15890	30144
2.208		37941	38757
2.304		19323	24621
2.355		10146	38624
2.462		71373	62397
2.572		7914	26489
2.688		4624	2169
2.704		28677	22771
2.739		6045	5290
2.781	TCX	19884940	12430200
2.825		151118	129476
2.954		347185	261355
3.003		217037	252799
3.069		941401	612442
3.121		40313	24226
3.138		1201	158
3.148		776	363
3.157		930	356
3.182		219222	145414
3.212		1847	1021
3.239		1744	625
3.246		606	162
3.26		827	165
3.278		1693567	893706
3.29		289246	106941
3.331		182242	109684
3.354		162698	99471
3.38		47758	25937
3.404		1924179	1356548
3.441		180049	108790
3.469		62991	30365
3.487		346212	188890
3.503		136074	63400
3.529		1767	915
3.554		1896125	853502
3.565		1945325	818631
3.585		295829	122743
3.6		1903808	1241606
3.652		409	93
3.676		2405319	1580468
3.709		3967823	2388644
3.734		3668354	2120734
3.753		1149931	604601
3.793		2832	8199
3.844		4678504	3207877
3.87		1387144	815579
3.892		1530200	951269
3.924		772389	406304
3.942		3338741	2027396
3.986		1198371	880835
4.036		243141	212088
4.058		2488230	1607916

RT B	Compound B	Height B	Area B
4.082		6743939	4316450
4.109		4194699	2729489
4.13		327014	166171
4.148		283522	162966
4.186		1660979	1236719
4.225		2823495	2055255
4.241		214475	70984
4.255		1698119	989893
4.304		218079	192293
4.341		951502	782907
4.376		9745	4671
4.401		1609919	1276884
4.436		967074	689421
4.465		2658556	1989075
4.506		52864	53122
4.565		951372	1010425
4.6		241833	191467
4.634		1683252	1268832
4.659		53042	30116
4.682		36923	21384
4.704		183574	125754
4.733		130241	103828
4.812		284028	269603
4.866		1675454	1343268
4.907		24312	15978
4.923		83602	51209
4.948		362550	307568
4.981		28345	14225
4.998		24475	13038
5.022		29824	20718
5.072		1052	998
5.095		8072	8380
5.126		5746	3415
5.141		12463	7621
5.179		68882	50622
5.203		133556	104936
5.252		36653	36614
5.29		15103	11188
5.325		30200	25063
5.349		51525	32364
5.37		116150	94345
5.448		107960	93660
5.486		3246	2320
5.564		3060	1813
5.586		53046	41932
5.632		103964	113726
5.709		824	413
5.788		69706	61144
5.855		77007	64734
5.904		37331	35751
5.953		1238	524
6.007		52360	43191
6.038		3196	2159
6.161		3611	3552
6.208		106046	92578
6.241		3459	2309
6.263		1918	1347
6.334		1123	528
6.371	DCB	9159493	8017358
6.535		1764	1604
6.695		1412	1652
6.763		1607	1191
6.823		8521	7258
6.853		4610	4392

AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082

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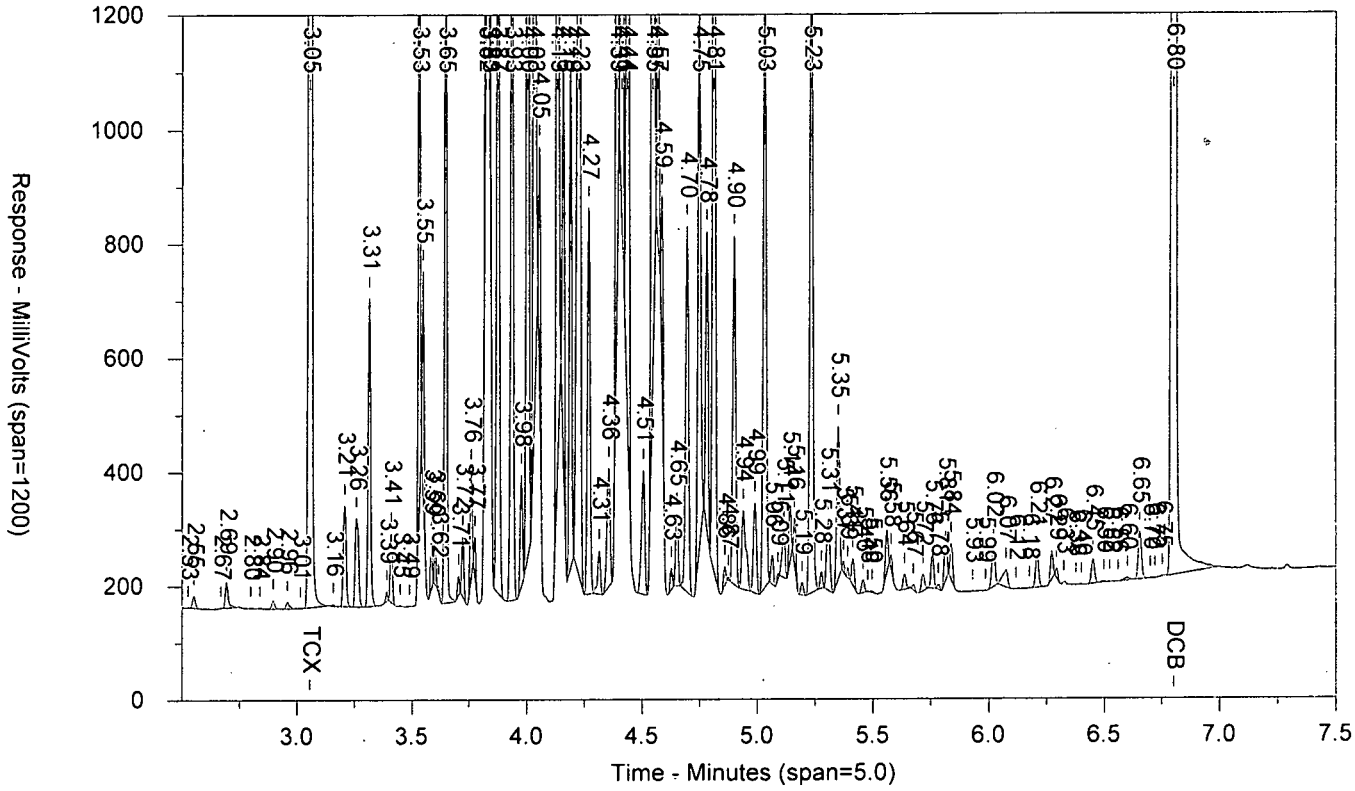

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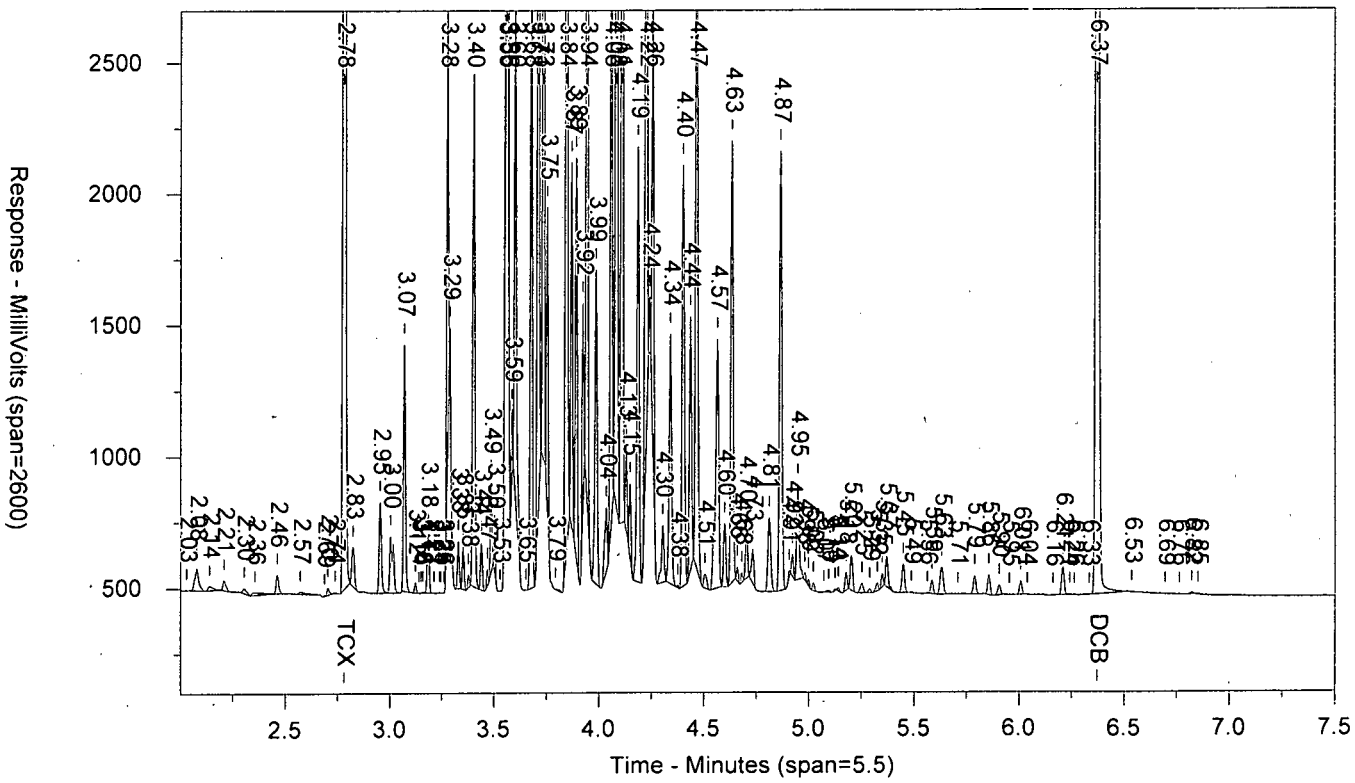

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:24:46 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
3.055	11295270	81.94	TCX	2.781	19884940	81.569	TCX
6.802	6610746	78.738	DCB	6.371	9159493	79.745	DCB

Files:
Area File: 25PCBS17309001.018.RAW
Area File: 25PCBS17309001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 9:33:16 PM
File Reported On: 11/7/2017 at 12:01:58 PM

AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082

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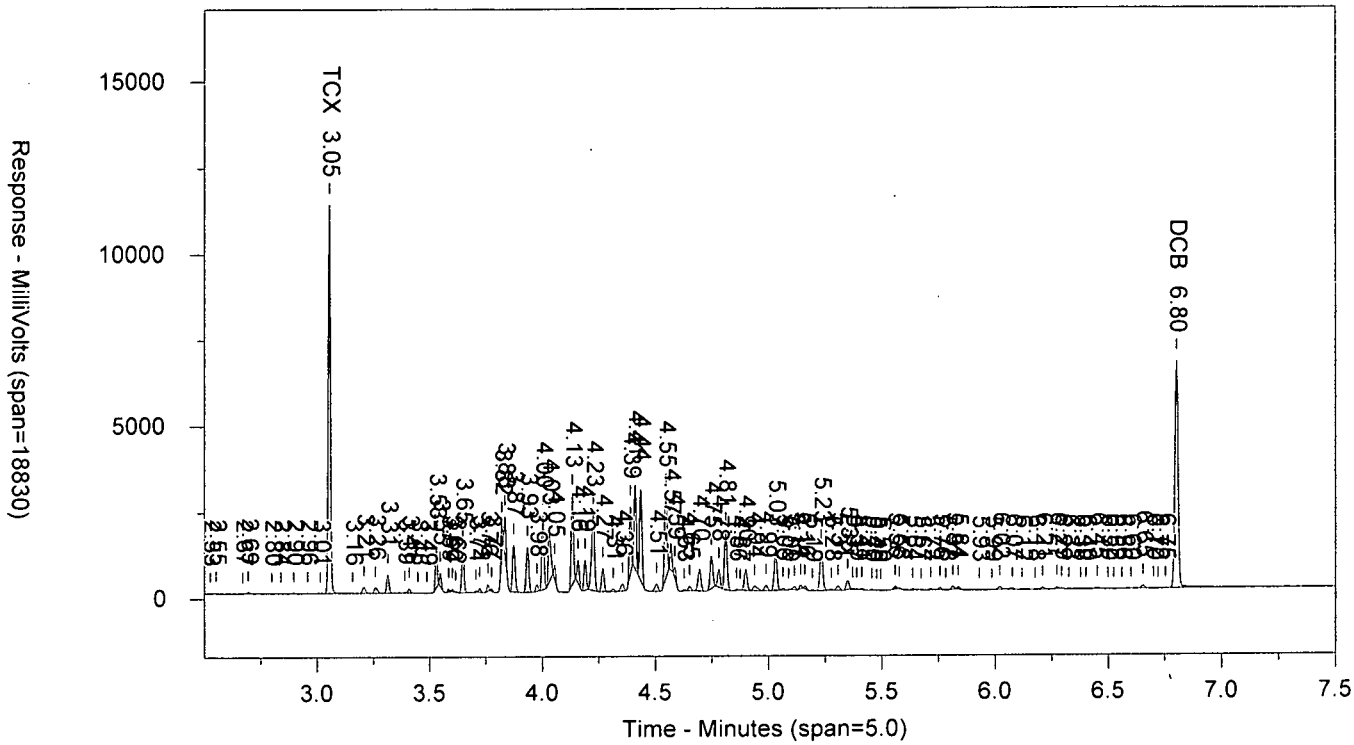

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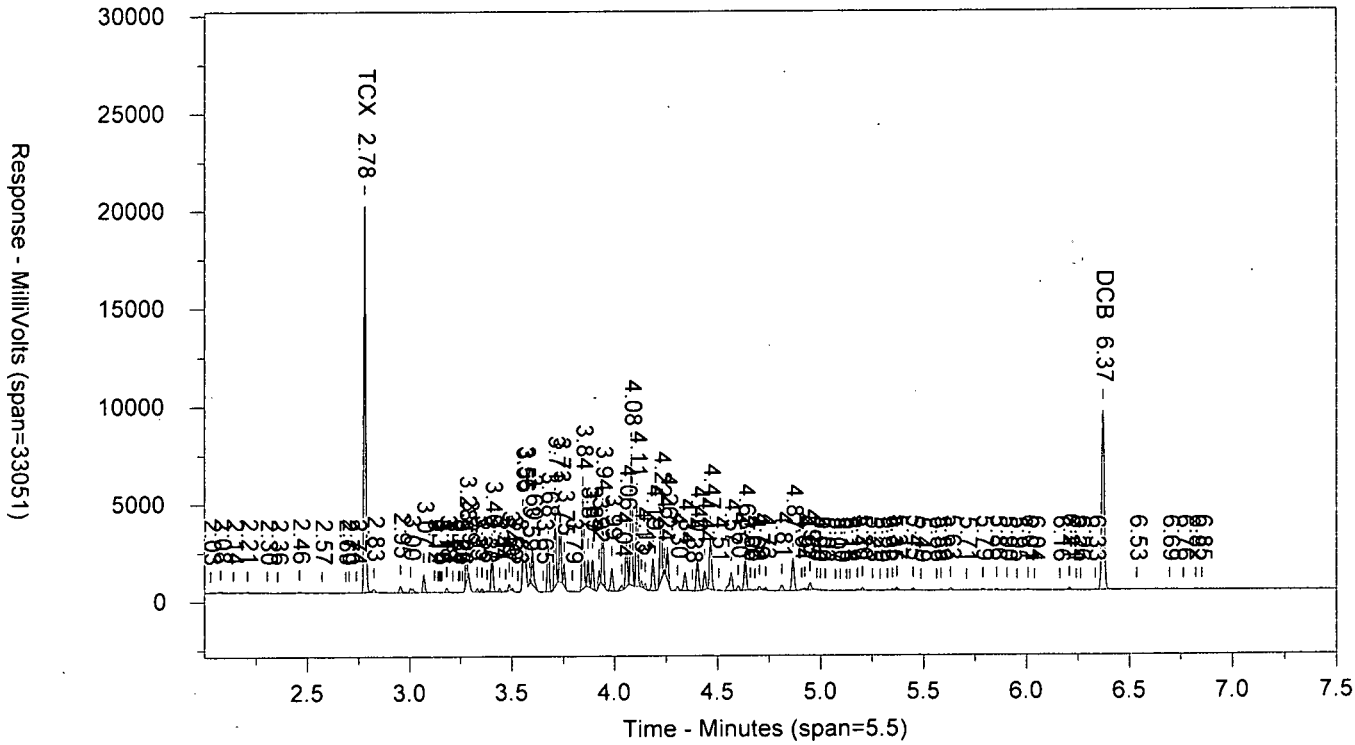

AR4861724B AAAR486AA ICAL 1730899999 10225 SW-846 8082

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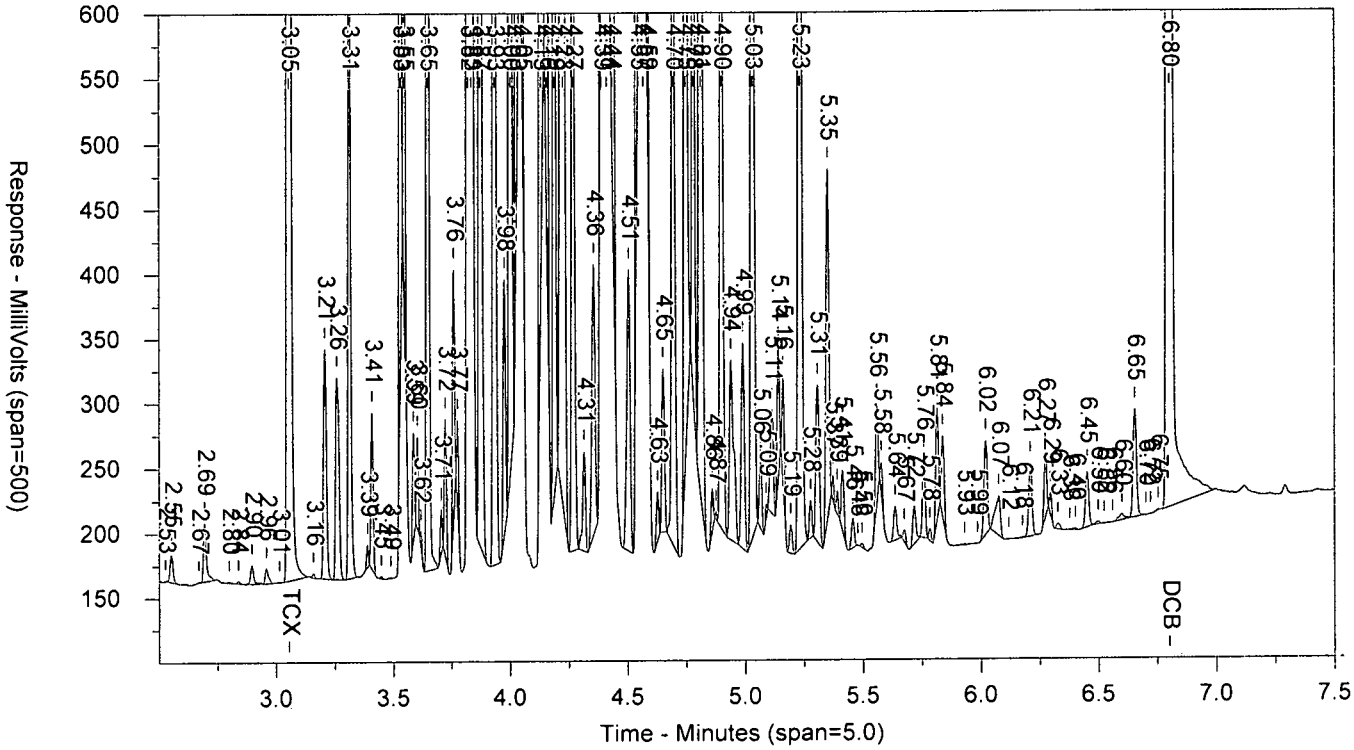

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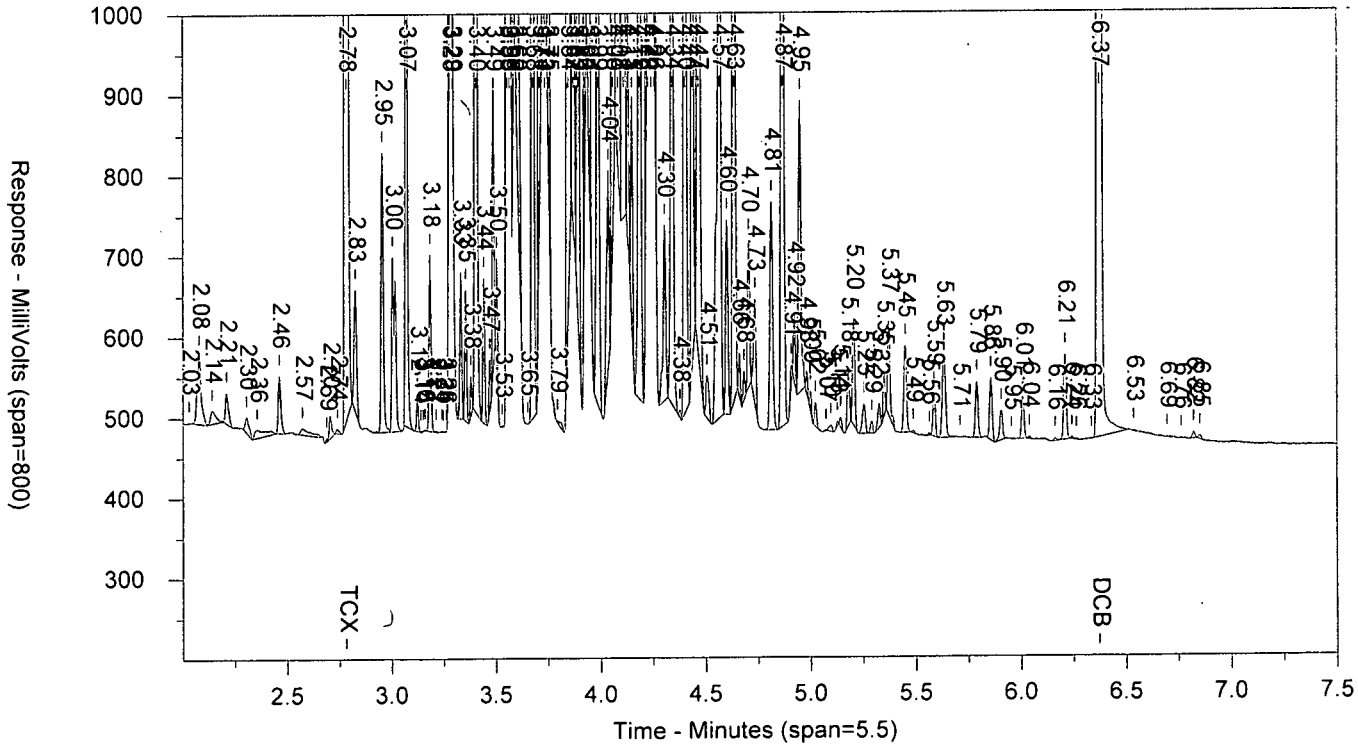

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:36:09 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: 25PCBS17309001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		842	346
2.076		343	486
2.095		7375	7534
2.146		735	609
2.211		4014	6041
2.277		2819	5386
2.434		17538	11294
2.501		1470	2219
2.552		4061	3378
2.617		675	567
2.671		774	591
2.721		4220	13204
2.799		712	2011
2.897		16047	14839
2.961		3934	3214
2.997		582	253
3.008		484	269
3.056	TCX	291379	201131
3.209		2391	2955
3.26		4222	3565
3.314		3932	2429
3.329		1741	828
3.382		4661	6527
3.41		1961	1444
3.492		888	1229
3.533		7019	4374
3.551		2038	1315
3.591		756	454
3.606		3026	2063
3.626		1111	665
3.651		9754	6319
3.677		3836	5049
3.726		4723	2982
3.764		870	602
3.778		634	332
3.804		1852	1667
3.823		1285	611
3.845		2527	2242
3.877		12966	10099
3.912		647	315
3.935		7699	7143
3.98		1933	1330
4.005		63537	45911
4.034		15157	18933
4.135		35932	26066
4.161		1640	1039
4.193		5265	3639
4.227		17030	19201
4.271		3351	2682
4.301		654	287
4.319		476	227
4.351		28404	28398
4.394		86125	62691
4.414		35650	21969

RT A	Compound A	Height A	Area A
4.44		19979	13405
4.461		16397	11223
4.509		22732	18045
4.552		131673	127866
4.588		45690	36707
4.629		1785	1135
4.655		7131	5556
4.698		52281	46260
4.752		81485	72218
4.784		21000	14160
4.815		157795	139288
4.862		7639	5124
4.877		3422	1722
4.902		25847	19896
4.942		52967	51159
4.992		10397	9313
5.035		108694	102026
5.066		4880	3486
5.092		9207	7682
5.145		47920	34072
5.164		25577	16230
5.198		1443	1287
5.237		90662	84032
5.281		8744	6875
5.307		11035	14780
5.353		119225	103132
5.376		9050	4347
5.394		4778	2621
5.416		5172	3712
5.459		3754	3180
5.563		42377	52450
5.639		10699	15265
5.678		3476	2648
5.718		781	422
5.76		25366	24293
5.787		3706	2456
5.817		18046	15214
5.844		1089	541
5.909		538	580
5.977		611	372
6.026		15408	12843
6.051		2539	2357
6.138		544	537
6.175		539	651
6.213		1368	1311
6.277		1791	1801
6.307		766	574
6.332		3226	3613
6.374		475	202
6.395		360	359
6.456		1588	1781
6.523		383	256
6.57		809	414
6.604		2919	3878
6.66		1815	1848
6.727		425	739
6.76		596	247
6.809	DCB	195568	207935
6.862		2304	2910
6.893		408	194
6.908		546	614

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:36:09 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: 25PCBS17309001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.027		1565	1364
2.067		36269	29312
2.141		11281	42551
2.259		3872	19025
2.36		3686	4685
2.57		7549	30085
2.669		5785	7866
2.704		32546	28410
2.748		2309	1217
2.781	TCX	488835	313407
2.826		4802	4300
2.874		3888	6115
2.956		3715	2541
3.003		5548	4601
3.07		10605	6772
3.09		662	162
3.102		474	128
3.117		652	130
3.123		909	217
3.142		403	69
3.154		1781	1411
3.185		4442	2881
3.211		448	249
3.217		1181	400
3.235		358	69
3.24		875	144
3.257		575	168
3.265		425	160
3.28		13082	7357
3.291		1274	284
3.311		465	121
3.316		826	157
3.321		761	144
3.328		1391	563
3.353		8263	4793
3.391		5943	3475
3.406		14189	7664
3.442		7616	4062
3.457		434	78
3.472		798	573
3.485		1001	574
3.499		2204	1421
3.534		827	209
3.538		979	194
3.555		11414	9437
3.587		3864	1760
3.602		13625	13292
3.652		957	218
3.66		996	348
3.679		13189	9241
3.712		105826	65205
3.737		46453	27480
3.754		1741	668
3.776		2999	1881

RT B	Compound B	Height B	Area B
3.799		2789	5440
3.846		62485	42959
3.872		5046	2514
3.894		14645	10970
3.927		16876	9558
3.944		18865	10466
3.989		6005	4332
4.029		7033	6539
4.059		19329	12014
4.083		217222	150930
4.11		18613	10446
4.132		14595	7447
4.149		62219	43370
4.187		182935	133205
4.222		73917	50934
4.243		50803	32052
4.292		42867	46257
4.343		70068	55444
4.403		130528	100955
4.439		36462	25952
4.467		241697	186853
4.507		18117	17336
4.564		108533	102270
4.602		17371	13553
4.636		158325	120886
4.662		25474	16701
4.706		91448	74066
4.734		4950	3496
4.772		1510	1544
4.814		93473	90917
4.868		105209	89563
4.909		24556	20323
4.95		163769	166133
5		9784	5682
5.025		5981	5828
5.087		2034	1785
5.143		8748	8138
5.181		9641	6538
5.205		53965	42853
5.254		6758	6598
5.291		6801	5791
5.323		2644	2662
5.351		26224	18472
5.372		16626	11029
5.391		3332	2138
5.449		3594	3120
5.488		4280	3923
5.631		22922	24692
5.769		1062	391
5.79		2215	1557
5.816		884	360
5.858		2153	1563
5.909		2552	3747
5.959		982	623
6.08		1316	1056
6.097		1444	1526
6.167		1062	1092
6.178		1430	593
6.211		2349	1374
6.286		999	399
6.374	DCB	269213	244715
6.438		1250	705
6.494		940	381
6.537		1221	459
6.617		1603	1732
6.694		1395	2006

RT B	Compound B	Height B	Area B
6.728		1011	773
6.737		1051	657
6.819		911	958
6.836		924	314
6.859		4980	3972
6.917		969	1279
6.981		1218	868

AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082

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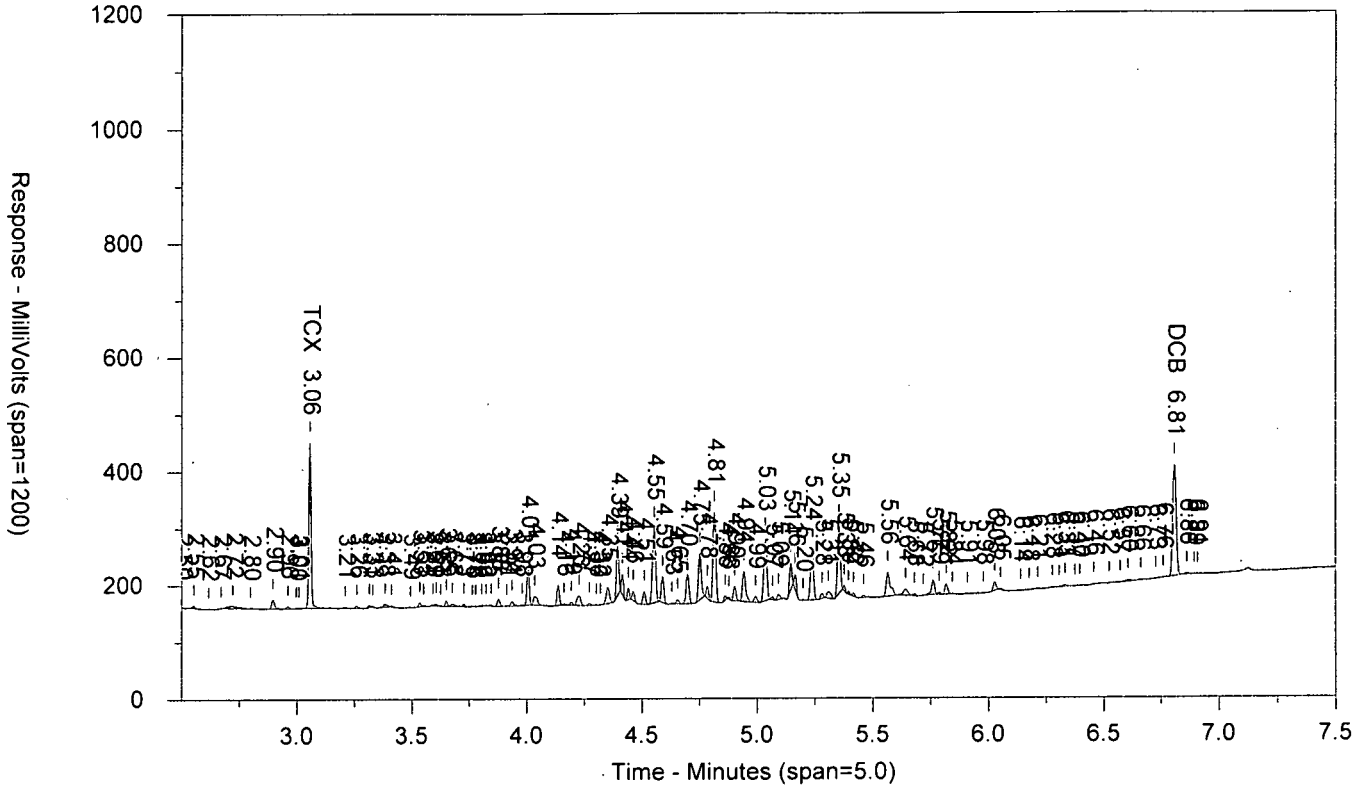

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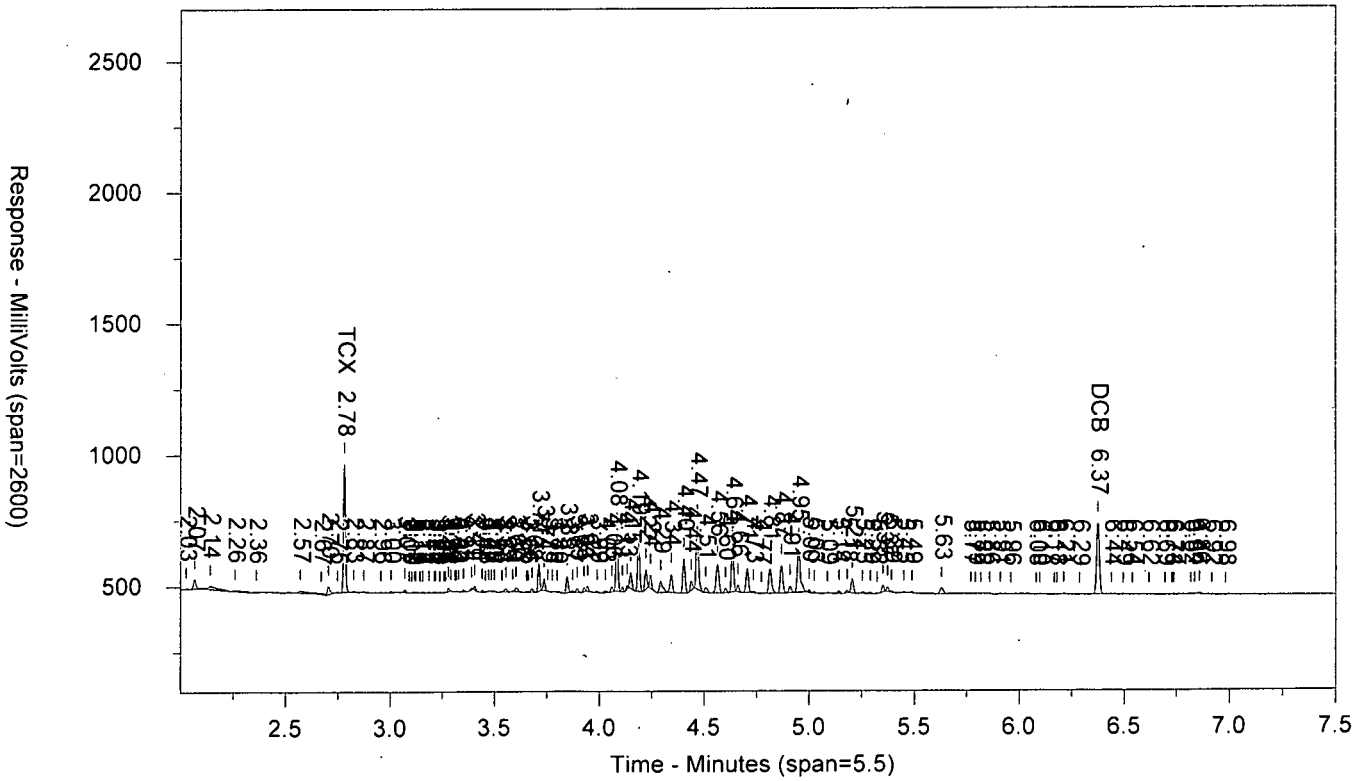

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:36:09 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
3.056	291379	2.114	TCX	2.781	488835	2.005	TCX
6.809	195568	2.329	DCB	6.374	269213	2.344	DCB

Files:
Area File: 25PCBS17309001.019.RAW
Area File: 25PCBS17309001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 9:44:41 PM
File Reported On: 11/7/2017 at 12:02:42 PM

AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082

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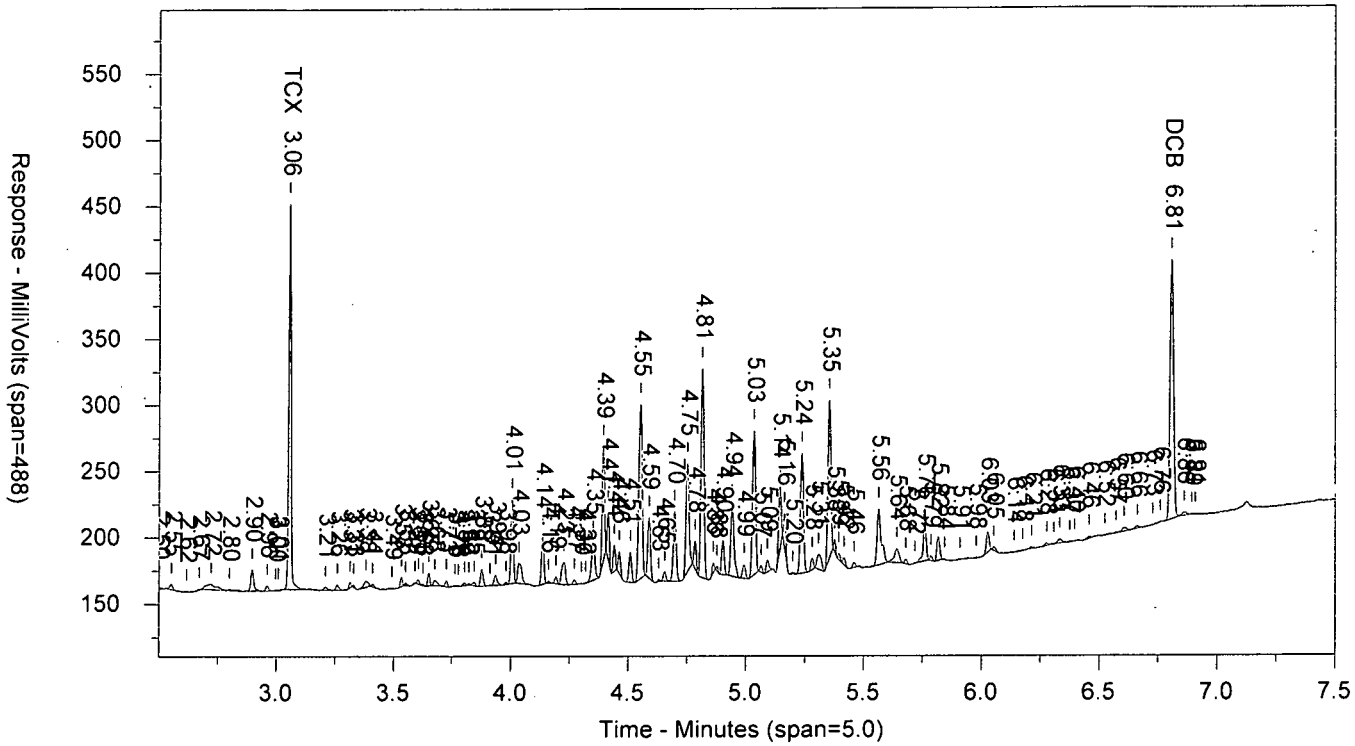

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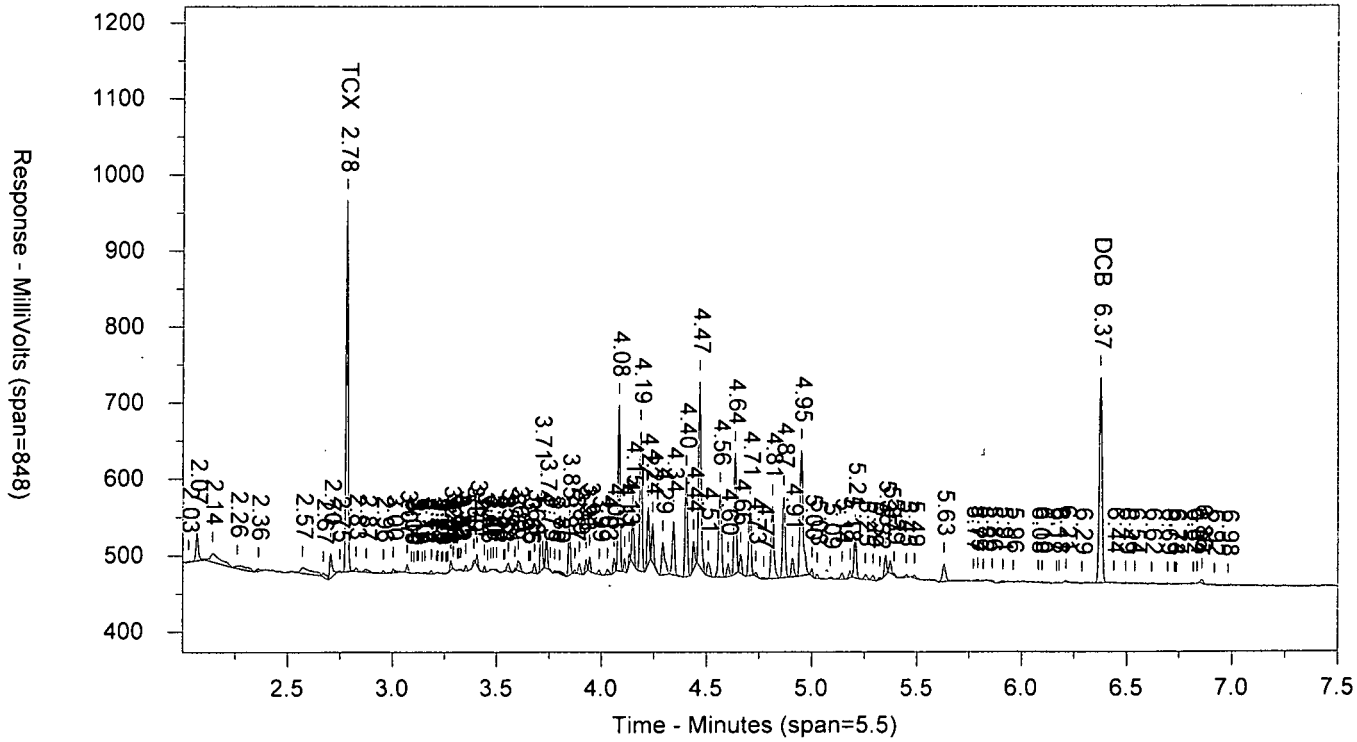

AR5411724C AAAR541AA ICAL 1730899999 10225 SW-846 8082

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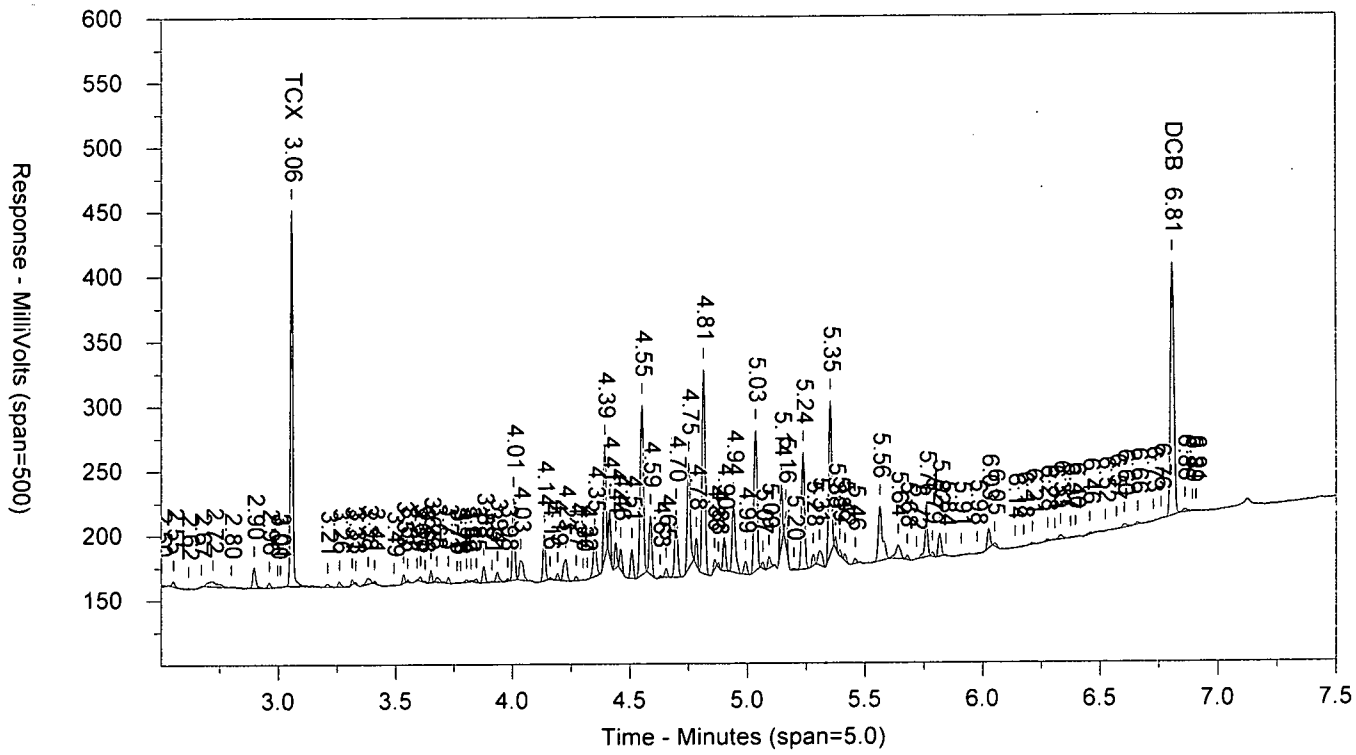

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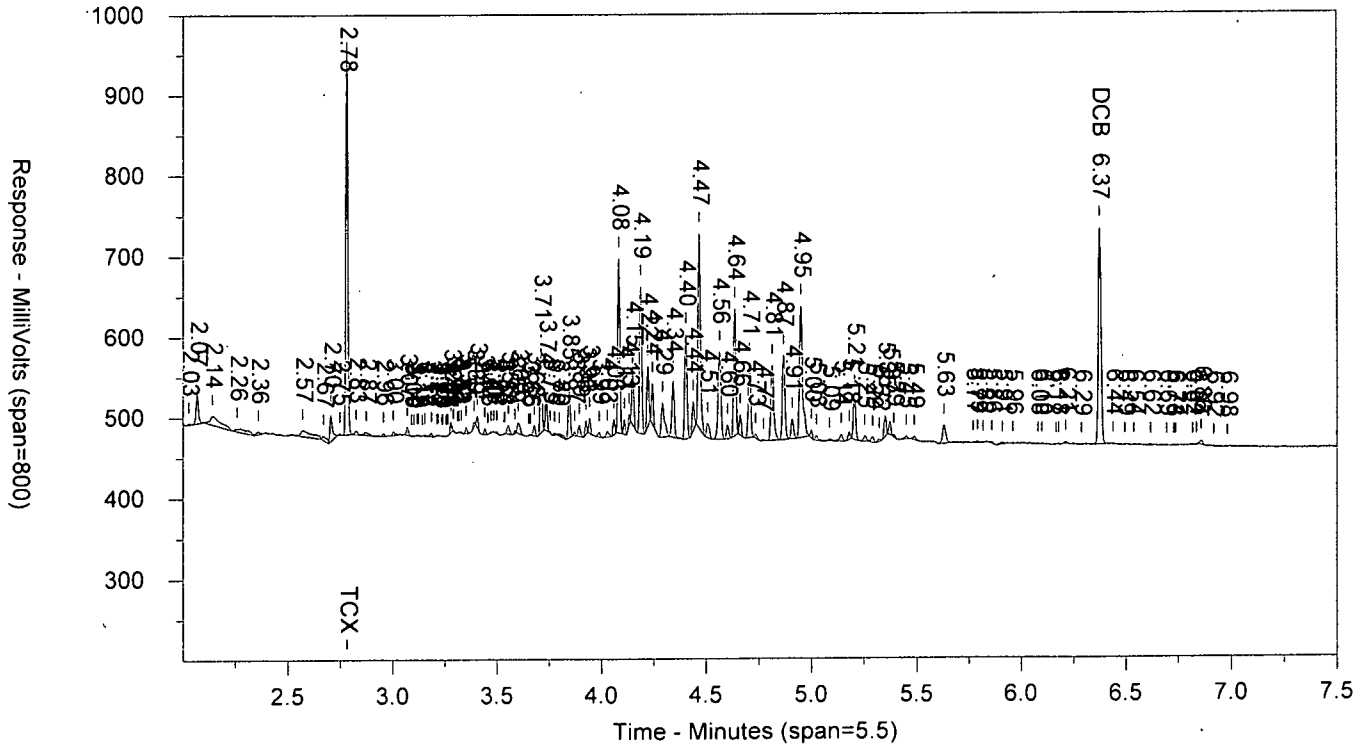


LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:47:28 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: 25PCBS17309001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1180	735
2.07		835	572
2.094		10295	10941
2.143		1024	953
2.208		4519	7626
2.279		2970	4895
2.309		854	901
2.344		2219	3377
2.433		16362	10675
2.455		1103	788
2.497		1379	1524
2.551		6587	5416
2.614		683	679
2.669		1044	686
2.696		1691	1092
2.719		1476	3380
2.799		922	898
2.837		1020	629
2.896		15261	13934
2.96		5629	4599
2.996		418	209
3.017		384	154
3.056	TCX	533780	364274
3.142		873	1165
3.208		4026	4516
3.259		7735	6742
3.314		8354	4895
3.327		1851	860
3.387		4452	6437
3.41		4941	3430
3.49		1136	1300
3.533		13666	8411
3.55		4253	2972
3.589		825	553
3.604		5899	3880
3.65		19143	12528
3.675		4246	4098
3.706		1422	694
3.725		8578	5665
3.763		1918	1582
3.805		1705	1226
3.822		2726	1334
3.845		5337	4401
3.876		24368	19608
3.911		443	218
3.935		13689	11360
3.979		3245	2139
4.004		113906	83814
4.033		30524	39283
4.135		67222	49559
4.162		3798	2267
4.191		10795	7680
4.226		32744	37993
4.271		6919	5407

RT A	Compound A	Height A	Area A
4.299		822	485
4.315		741	384
4.35		32359	30359
4.392		151431	112310
4.413		65406	40560
4.439		43716	30621
4.461		13556	8806
4.507		44517	35500
4.551		228829	228813
4.587		86288	68439
4.63		2848	1973
4.654		14029	10614
4.696		95990	83487
4.75		144712	131469
4.783		38303	25672
4.813		293918	250543
4.86		15303	10050
4.875		6574	3617
4.901		47143	37894
4.94		93934	95104
4.991		19405	17675
5.034		196716	186414
5.063		7387	5213
5.09		17195	13626
5.116		3229	1854
5.143		85418	62574
5.162		49583	31917
5.194		2224	1824
5.235		165831	154036
5.279		18020	14273
5.305		21978	29745
5.351		199606	182089
5.373		14793	7553
5.392		9499	4885
5.414		7873	5593
5.457		7076	5226
5.478		1544	915
5.512		606	334
5.561		60229	49411
5.579		7333	4175
5.637		14071	17503
5.676		6796	5078
5.718		1308	1017
5.759		46654	42316
5.785		7449	4872
5.815		34107	28179
5.839		1498	889
5.917		458	650
5.949		593	307
6.024		28764	25316
6.052		5095	4292
6.143		846	593
6.172		492	125
6.215		2620	3271
6.274		3172	3295
6.297		1141	674
6.334		2980	3401
6.379		735	648
6.409		758	799
6.454		2441	2289
6.511		346	766
6.549		466	291
6.603		2981	5075
6.658		4018	4137
6.697		263	213
6.729		618	437

RT A	Compound A	Height A	Area A
6.762		459	573
6.774		564	217
6.806	DCB	366222	366431
6.862		2720	3567
6.977		738	378

LANCASTER LABORATORIES

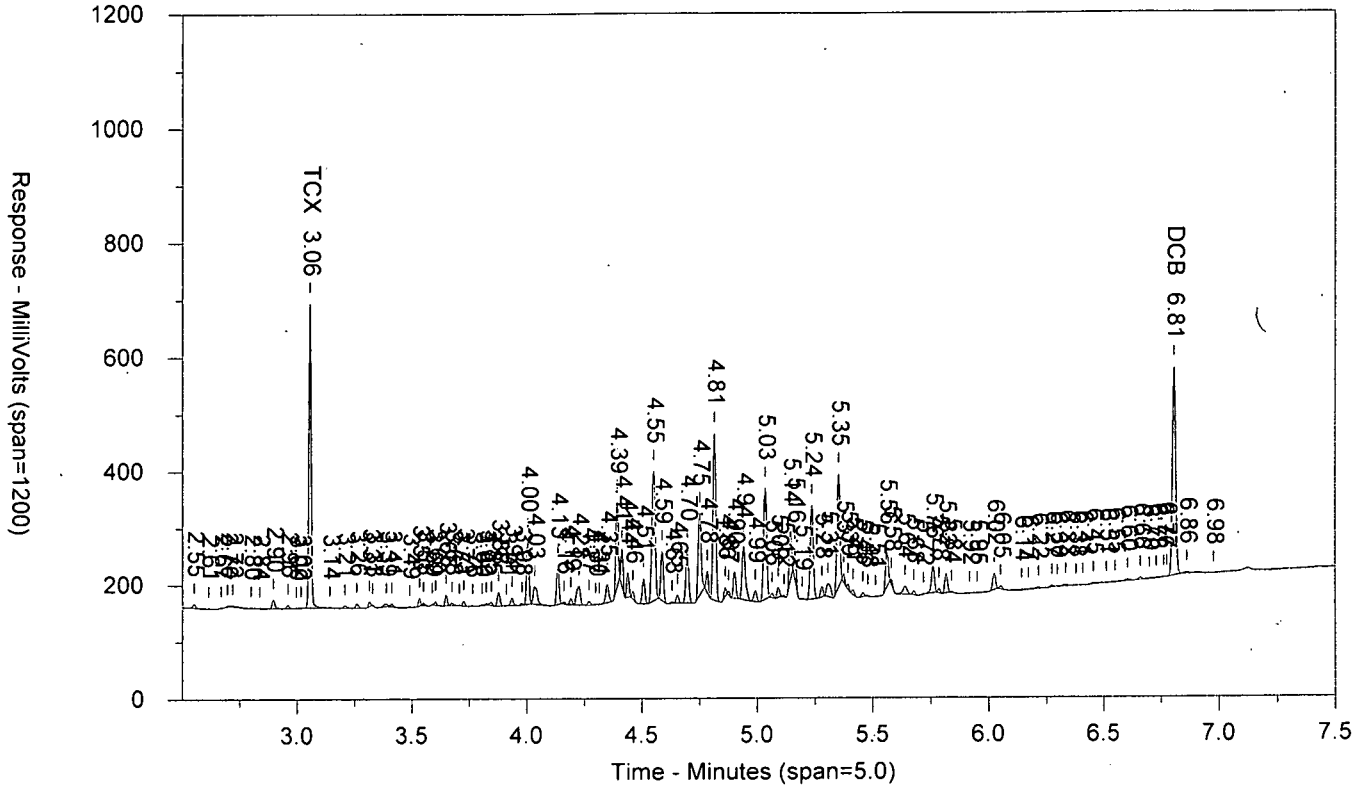
Sample Number: AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:47:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17309001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.027		1850	1330
2.067		33540	29851
2.144		10303	35701
2.261		4520	24879
2.361		5112	11309
2.461		3390	2977
2.568		5689	22164
2.671		5157	6139
2.704		30890	27600
2.747		2812	1894
2.781	TCX	904716	579511
2.828		8008	6861
2.866		4411	7066
2.956		7974	5421
3.003		8388	3777
3.017		3102	1331
3.07		20576	12593
3.098		864	263
3.109		665	134
3.122		2778	2126
3.154		2290	1703
3.183		9046	5681
3.202		487	72
3.215		904	438
3.228		1172	283
3.25		398	129
3.262		709	190
3.28		28207	25581
3.32		535	235
3.33		2410	1275
3.355		11709	6867
3.392		4374	2619
3.406		31074	17832
3.441		15679	9047
3.471		4330	2473
3.486		1343	276
3.499		1373	346
3.525		483	139
3.554		16435	14963
3.587		7467	3698
3.602		25471	23926
3.643		841	166
3.649		774	130
3.657		809	175
3.679		24408	16586
3.711		190929	120037
3.736		85173	51882
3.754		4624	1847
3.776		3632	2549
3.793		1698	6246
3.846		113935	79046
3.871		10045	5188
3.893		24270	16973
3.926		31625	17715

RT B	Compound B	Height B	Area B
3.944		34995	20016
3.988		12009	8287
4.027		12945	12137
4.06		35940	21918
4.083		396066	275174
4.11		37751	21506
4.132		32634	17338
4.149		87837	57619
4.187		329345	241332
4.221		134046	92775
4.242		91705	56598
4.292		42455	51960
4.342		125913	105546
4.402		244852	189519
4.438		68277	47823
4.466		429480	337049
4.507		33370	31836
4.564		199837	186494
4.601		32285	26587
4.635		291527	222839
4.661		46224	31316
4.705		165565	133382
4.735		10585	6800
4.77		1294	542
4.813		166993	161034
4.867		195974	163927
4.908		46956	39468
4.949		302163	303452
4.999		19907	12689
5.022		9783	6892
5.086		4497	4560
5.141		16014	15368
5.18		16257	11839
5.204		97901	79060
5.254		12928	10869
5.29		10011	7449
5.321		4337	4447
5.35		47204	34543
5.371		31831	20172
5.39		7055	3782
5.449		6149	5531
5.482		3077	3880
5.582		2486	2289
5.63		42992	47035
5.786		3654	4423
5.828		2154	1507
5.856		3960	3010
5.904		3690	4489
5.925		1672	1699
6.006		2358	1981
6.044		1101	293
6.208		5423	6789
6.292		1063	2300
6.373	DCB	486885	436112
6.422		1187	2028
6.49		901	453
6.523		1363	1765
6.579		1226	969
6.608		1202	627
6.697		722	525
6.73		1383	570
6.859		6190	7454
6.964		864	263

AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.020.RAW



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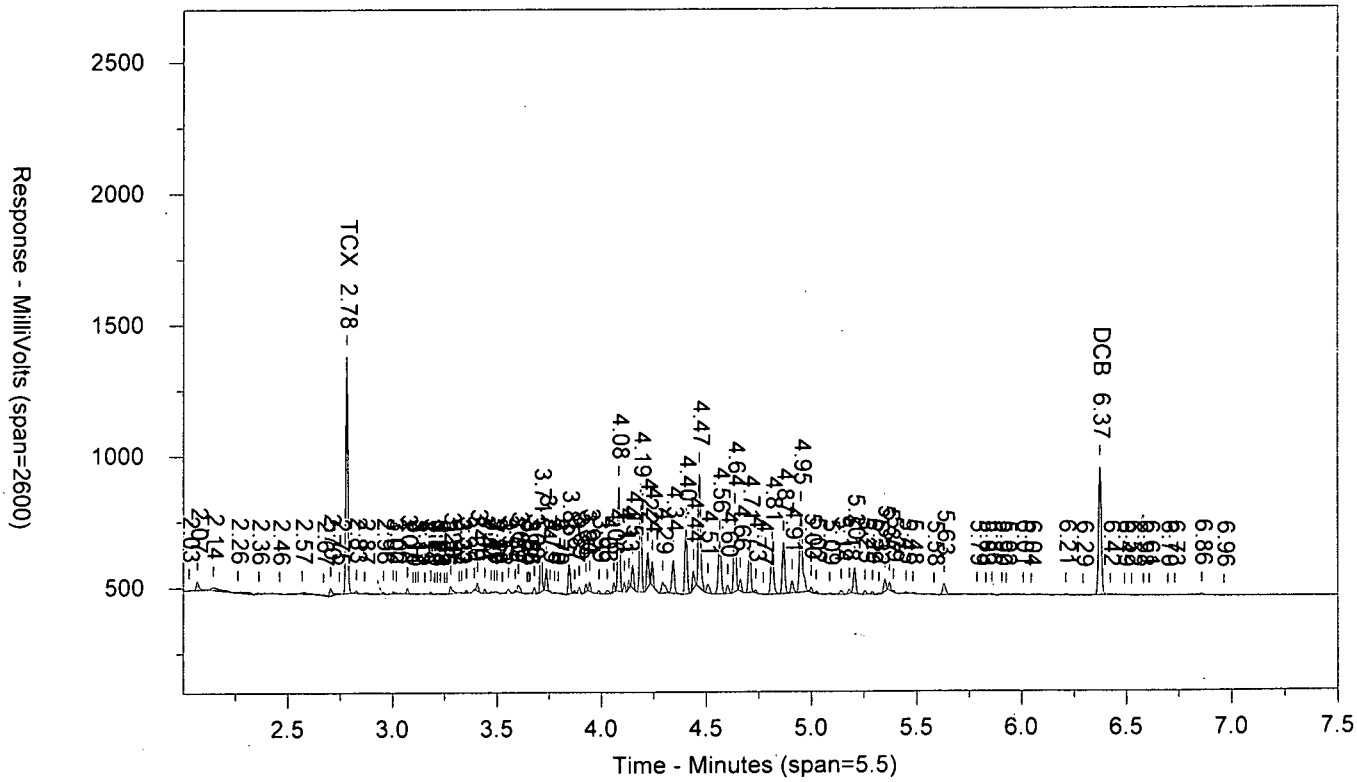

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:47:28 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
3.056	533780	3.872	TCX	2.781	904716	3.711	TCX
6.806	366222	4.362	DCB	6.373	486885	4.239	DCB

Files:
Area File: 25PCBS17309001.020.RAW
Area File: 25PCBS17309001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 9:55:58 PM
File Reported On: 11/7/2017 at 12:03:12 PM

AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082

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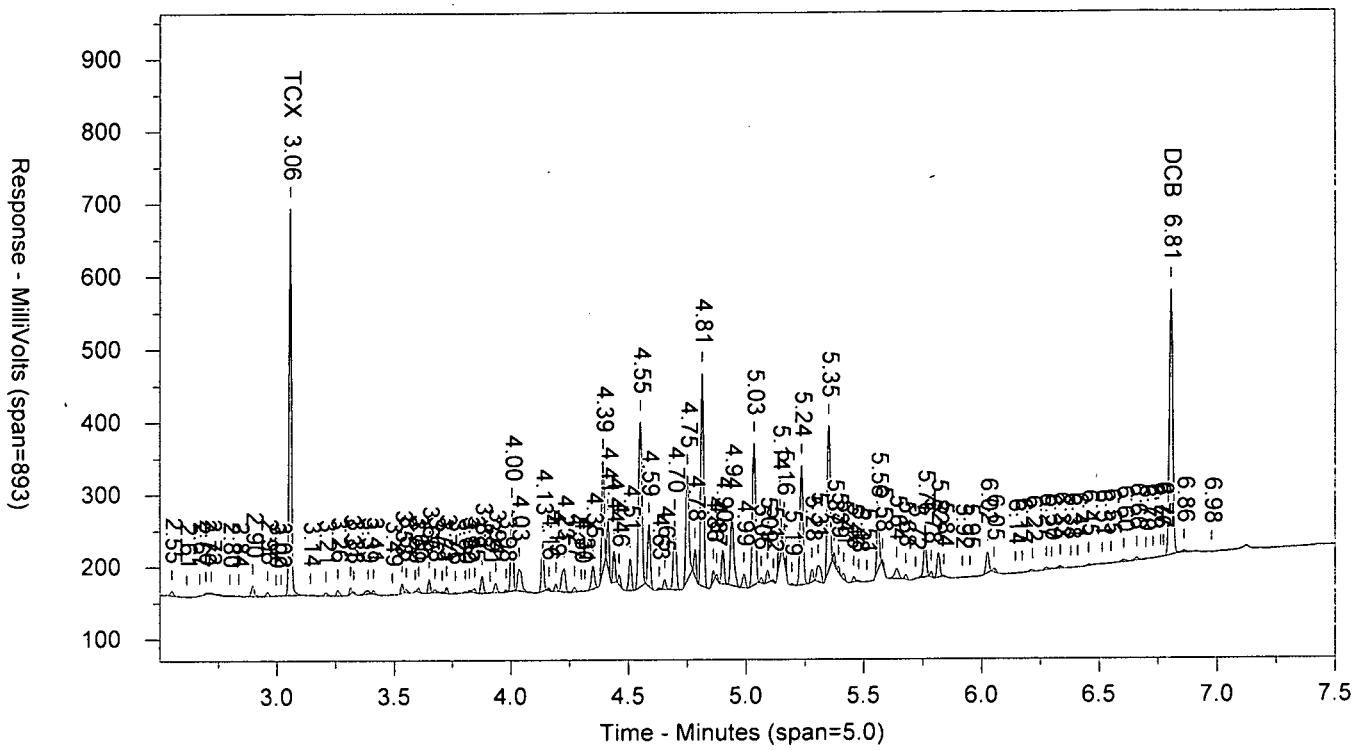

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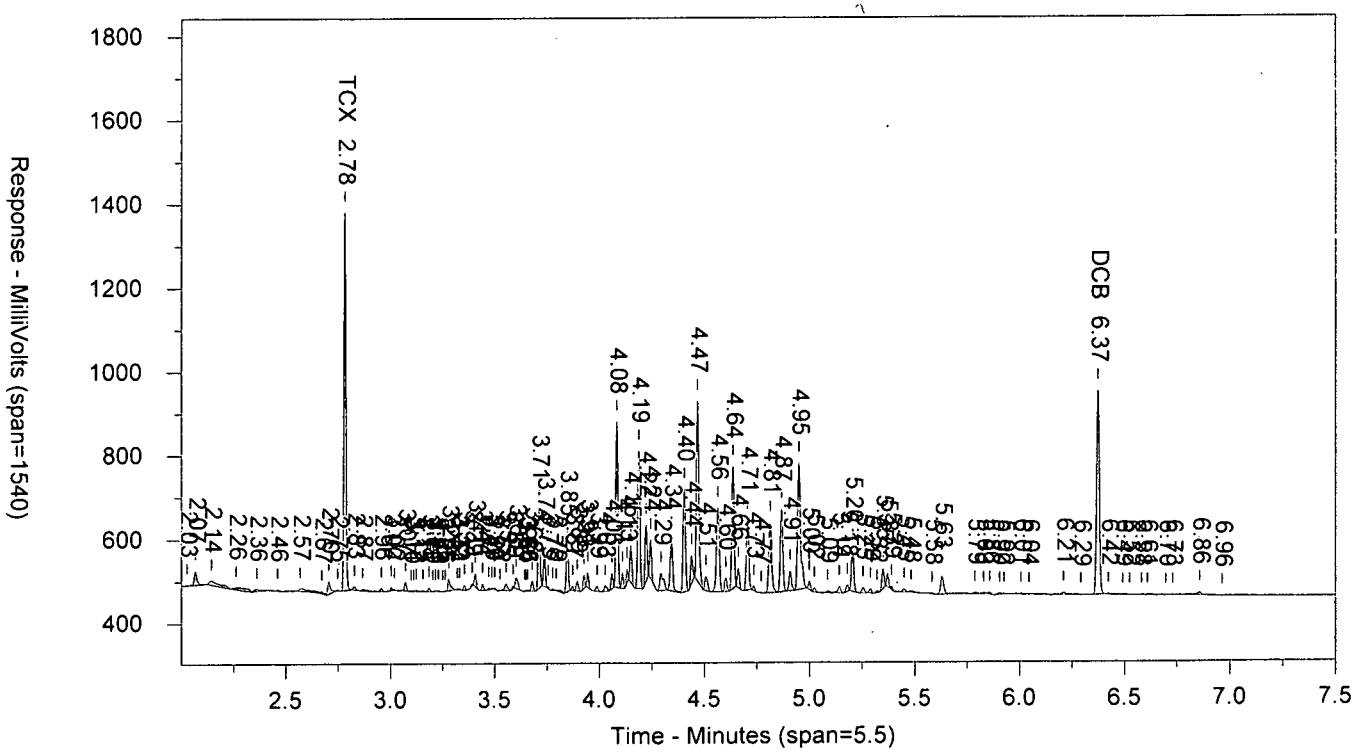

AR5421724C AAAR542AA ICAL 1730899999 10225 SW-846 8082

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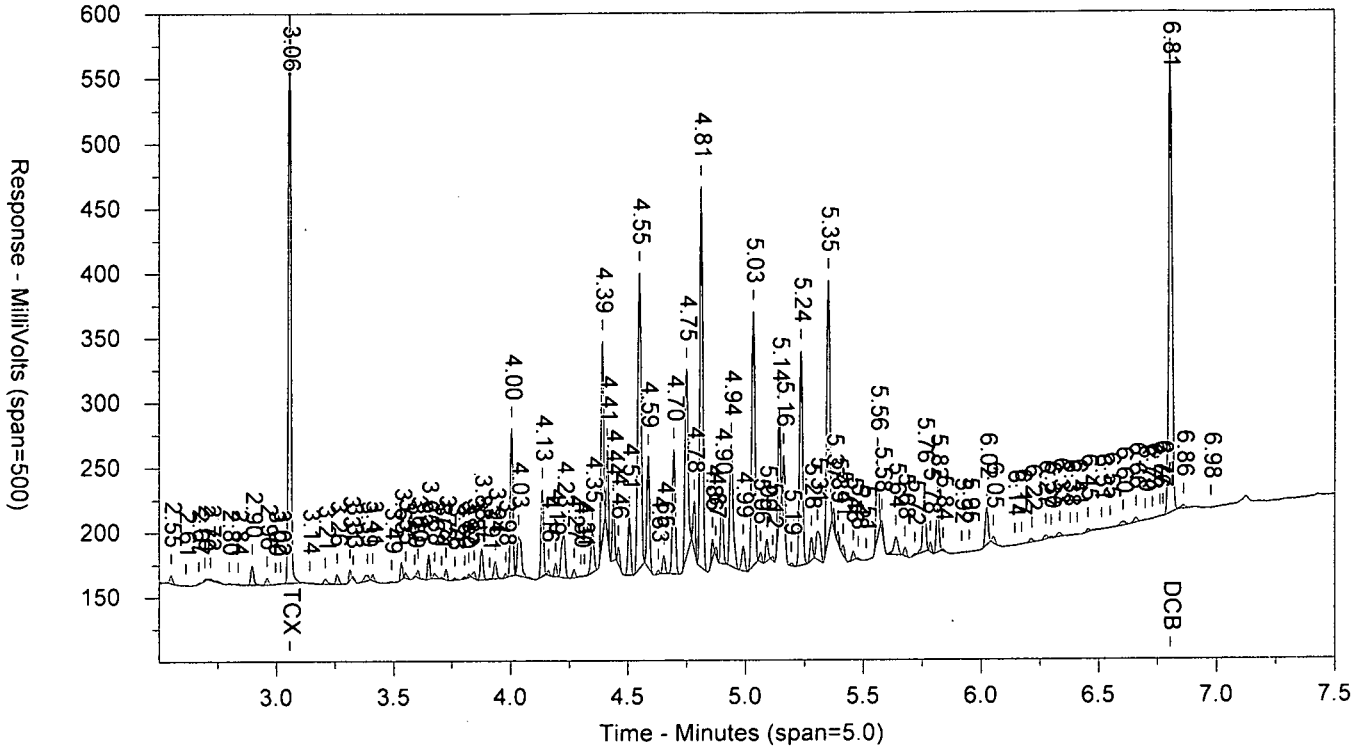

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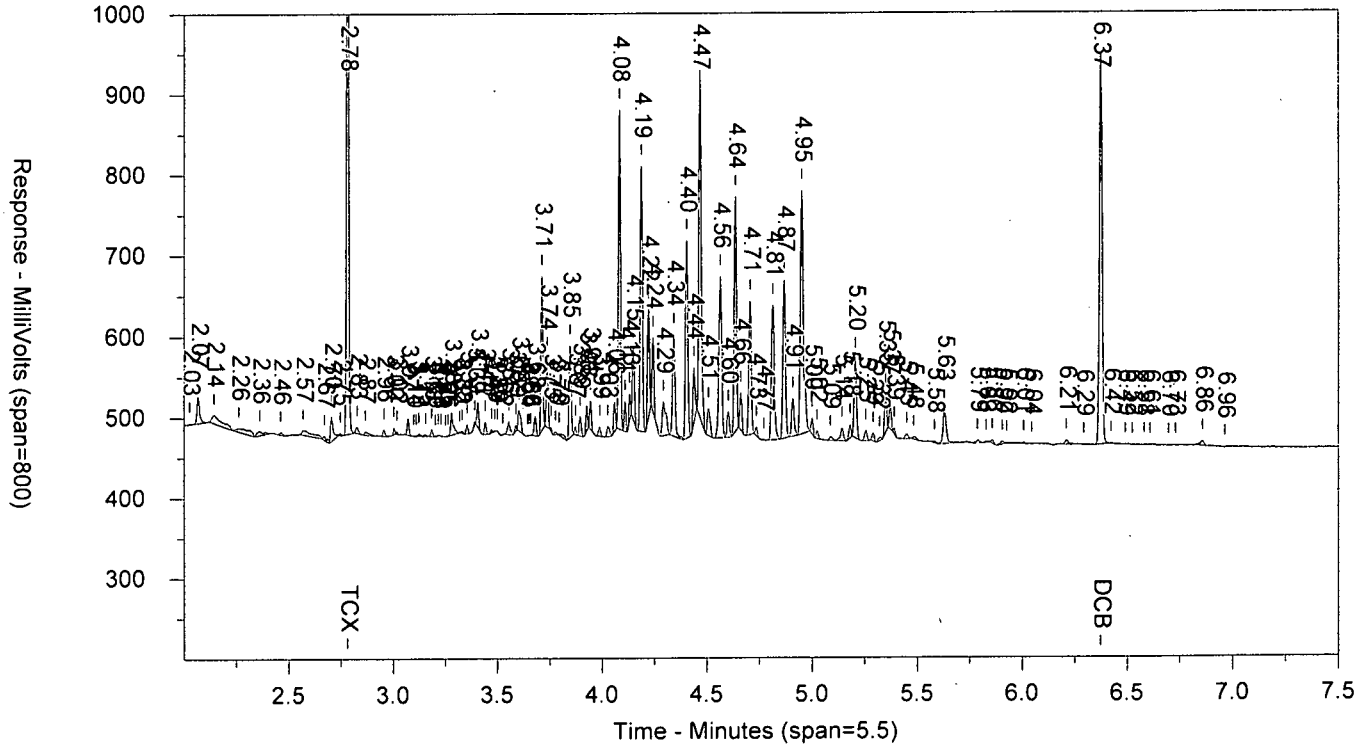


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:58:47 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: 25PCBS17309001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		1111	858
2.069		488	345
2.094		9551	9993
2.143		647	731
2.21		4434	7378
2.281		3053	5244
2.345		5060	6014
2.434		19190	12694
2.456		2172	1425
2.5		1379	1630
2.552		5919	4704
2.613		682	699
2.67		1198	680
2.697		3490	2746
2.802		832	1682
2.896		16527	15581
2.96		5194	4238
3.018		449	229
3.056	TCX	1096879	750482
3.182		574	307
3.209		7145	7696
3.258		14957	12595
3.313		19283	17422
3.389		4771	6354
3.411		9029	5902
3.489		993	1130
3.532		26228	15130
3.55		8222	5758
3.589		1107	699
3.603		9546	6015
3.65		37100	24102
3.674		4127	3593
3.708		2662	1388
3.725		15957	10201
3.761		2740	1830
3.777		830	349
3.803		2016	1518
3.823		5861	2967
3.844		9546	7677
3.877		45074	36591
3.913		584	225
3.935		24003	19277
3.979		5952	3734
4.004		200751	155024
4.034		60148	75865
4.135		124893	97065
4.161		7549	4650
4.192		20388	14446
4.227		62829	72546
4.271		13527	10173
4.3		1219	591
4.317		1697	890
4.352		36736	33779
4.393		295724	213601

RT A	Compound A	Height A	Area A
4.414		123850	77511
4.439		87864	65892
4.46		9735	6012
4.507		86700	72084
4.551		440510	439910
4.588		158610	132596
4.629		6054	4151
4.654		29147	22125
4.698		170982	153709
4.75		295265	256707
4.783		72972	50546
4.814		570419	488823
4.862		30215	21285
4.877		15854	8066
4.902		91172	74704
4.941		182194	185096
4.992		40587	36718
5.033		395172	366940
5.064		14044	9692
5.091		37852	30992
5.117		8413	4988
5.144		151310	115588
5.163		90919	59265
5.195		4711	3885
5.235		329870	304482
5.279		39733	30741
5.307		45113	61496
5.352		391280	355211
5.374		30464	15322
5.393		19166	10678
5.415		14167	9235
5.458		14927	11664
5.479		2013	1214
5.533		1108	721
5.561		118034	99907
5.579		12485	7831
5.613		1259	564
5.637		22832	21672
5.677		14794	12331
5.717		3821	2854
5.759		95371	83329
5.786		15396	10246
5.817		67731	56850
5.84		3366	2097
5.927		763	1428
6.024		62614	53345
6.054		9577	7810
6.119		617	520
6.183		562	658
6.212		5428	6017
6.275		5866	5481
6.297		1920	1231
6.331		3416	4195
6.409		1335	2403
6.454		4019	4510
6.496		830	516
6.539		759	704
6.603		2934	4843
6.658		7469	7077
6.699		931	606
6.733		621	247
6.752		402	465
6.806	DCB	707304	723162
6.855		2592	4987
6.938		666	230
6.971		593	245

LANCASTER LABORATORIES

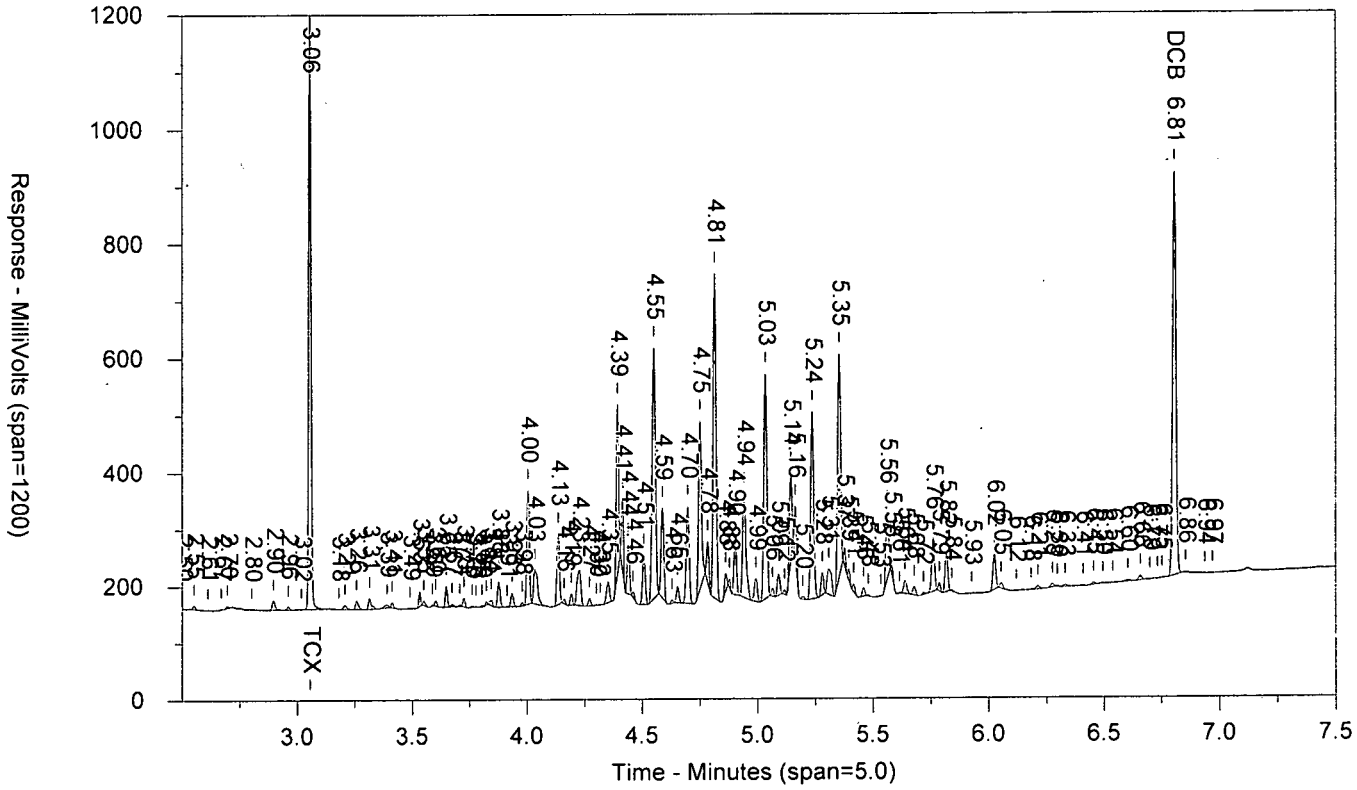
Sample Number: AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:58:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17309001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.067		40676	40793
2.143		8984	18130
2.206		4035	4461
2.309		2967	3947
2.357		4739	11264
2.418		1638	2302
2.463		5185	4650
2.571		6704	13815
2.669		5010	6212
2.705		33713	38674
2.781	TCX	1905764	1208079
2.826		16003	13018
2.871		3842	6673
2.954		14557	9866
3.003		22850	19211
3.07		36811	23624
3.122		4433	2767
3.146		371	109
3.154		1048	330
3.184		17919	11382
3.212		1617	1220
3.241		425	73
3.26		546	108
3.28		39712	21927
3.291		5385	1422
3.314		901	138
3.323		907	193
3.332		4403	2297
3.354		21432	12904
3.391		2794	1422
3.406		57450	35785
3.442		30292	17817
3.47		9042	4573
3.489		1759	635
3.497		3437	2358
3.525		371	81
3.554		18246	10331
3.587		13250	6469
3.601		46591	42175
3.646		918	247
3.654		729	146
3.679		44030	28547
3.711		357387	227793
3.736		158071	95977
3.754		9943	4204
3.775		6277	3733
3.795		1735	750
3.846		223111	151241
3.872		19202	10641
3.893		42506	29944
3.926		54891	31202
3.944		71677	40844
3.987		24321	19055
4.028		25002	23554

RT B	Compound B	Height B	Area B
4.06		70749	43664
4.083		760361	536276
4.11		77599	45957
4.132		66716	36216
4.149		142580	91369
4.187		644121	472168
4.222		257524	180112
4.243		181007	112619
4.292		16397	10079
4.305		29498	16442
4.342		251238	202372
4.403		474962	379291
4.438		134096	92112
4.466		858890	666193
4.507		66291	66633
4.564		386586	369037
4.602		66189	53234
4.636		582754	439757
4.661		91308	62195
4.705		325204	266898
4.735		20491	12780
4.813		329072	312409
4.867		400710	331513
4.908		93243	82492
4.95		600125	605758
5		45373	28891
5.023		19104	13252
5.088		8722	9244
5.143		32906	31180
5.18		32170	22994
5.205		194736	156749
5.255		24207	21343
5.29		21421	16412
5.318		8430	8233
5.35		97228	70837
5.371		60617	39475
5.391		12788	6170
5.427		1016	405
5.449		11255	9855
5.484		2770	2932
5.551		1238	793
5.586		3264	2345
5.629		82799	82766
5.734		1034	613
5.761		988	354
5.789		7175	6305
5.828		3383	2567
5.857		7303	5209
5.907		5637	6063
5.928		1432	523
5.987		848	557
6.006		4090	3342
6.043		1094	494
6.168		1029	715
6.187		1838	668
6.209		9888	10856
6.372	DCB	960619	881643
6.465		850	621
6.601		996	828
6.658		887	610
6.806		974	324
6.855		5108	4993
6.96		912	764

AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.021.RAW



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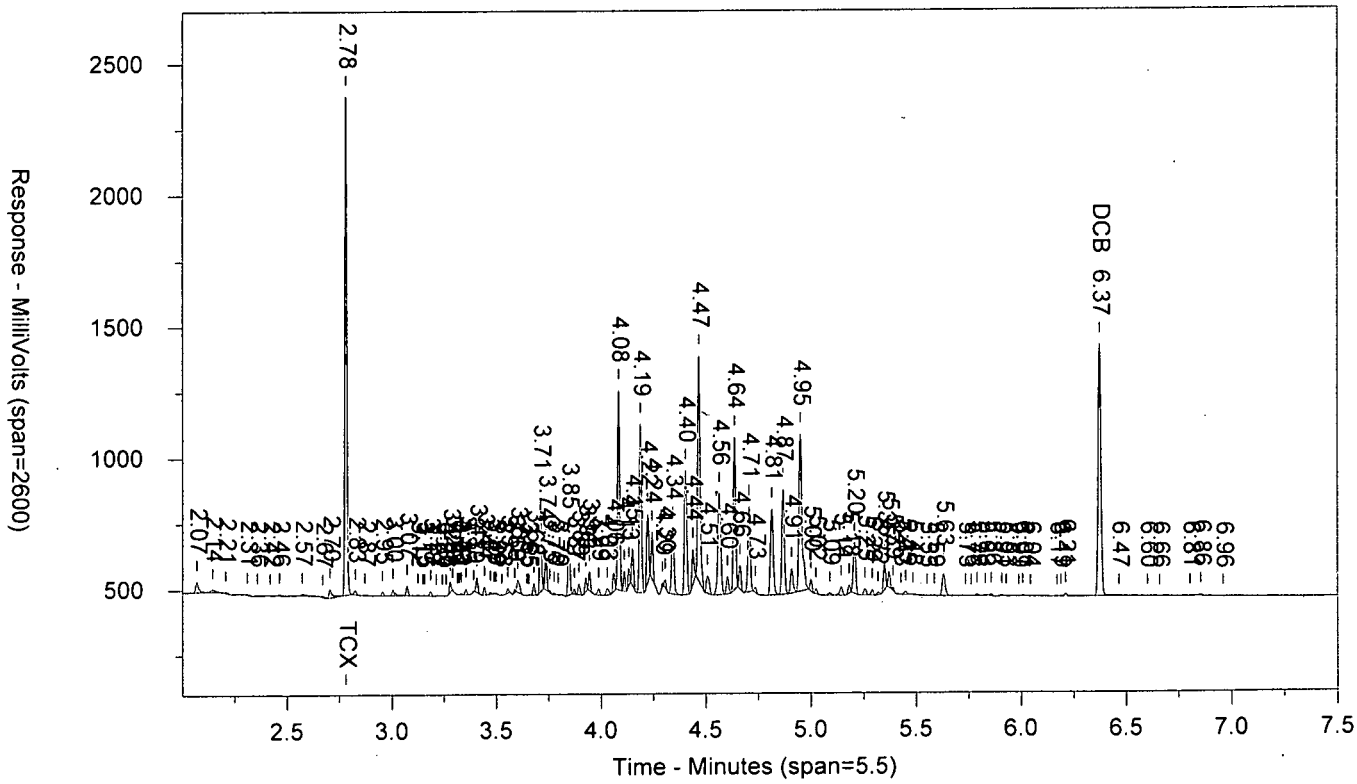

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 9:58:47 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
3.056	1096879	7.957	TCX	2.781	1905764	7.817	TCX
6.806	707304	8.424	DCB	6.372	960619	8.363	DCB

Files:
Area File: 25PCBS17309001.021.RAW
Area File: 25PCBS17309001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 10:07:18 PM
File Reported On: 11/7/2017 at 12:03:50 PM

AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082

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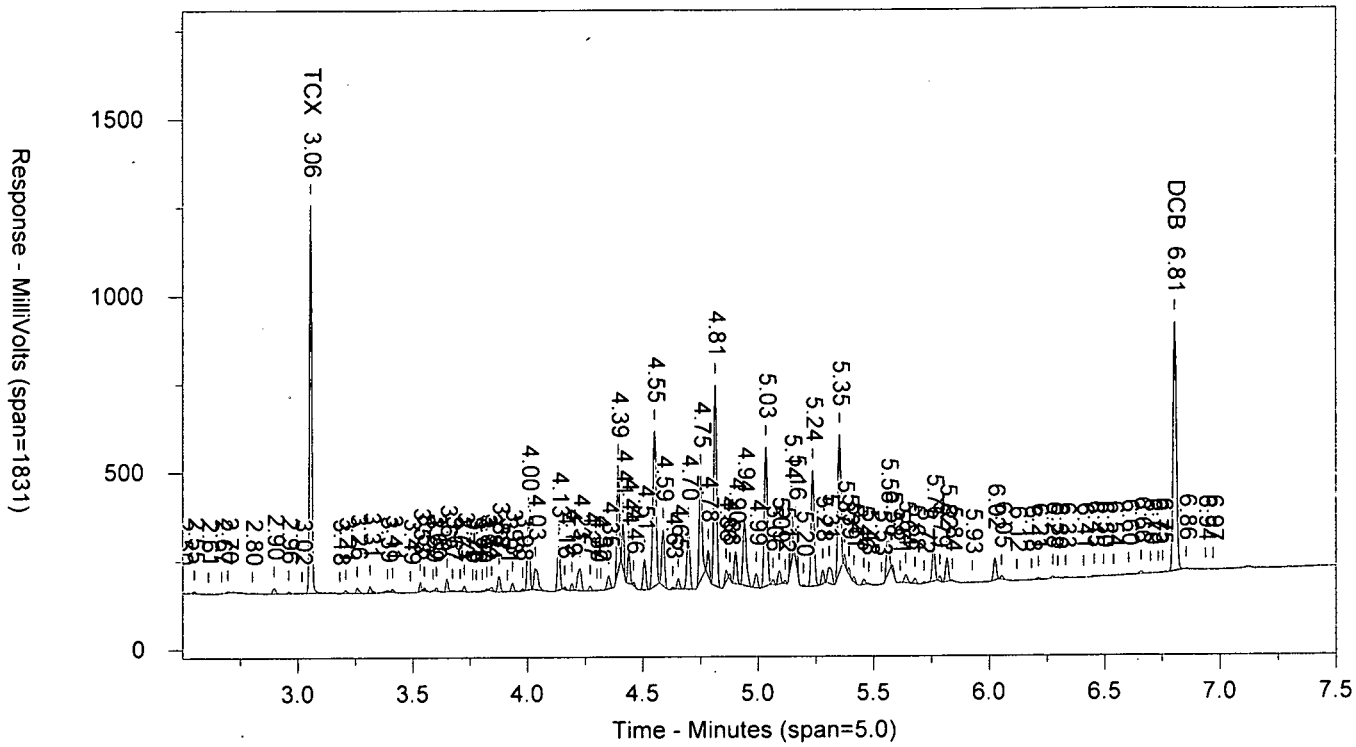

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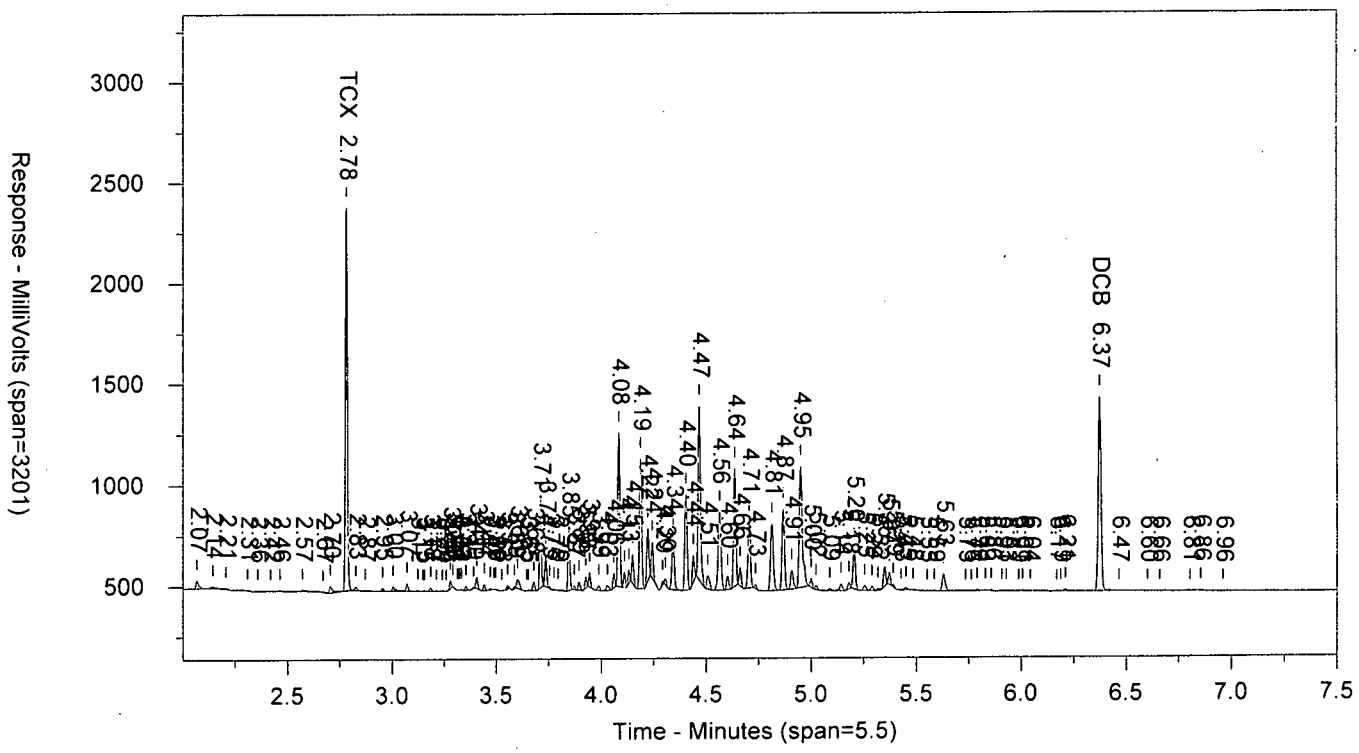

AR5431724C AAAR543AA ICAL 1730899999 10225 SW-846 8082

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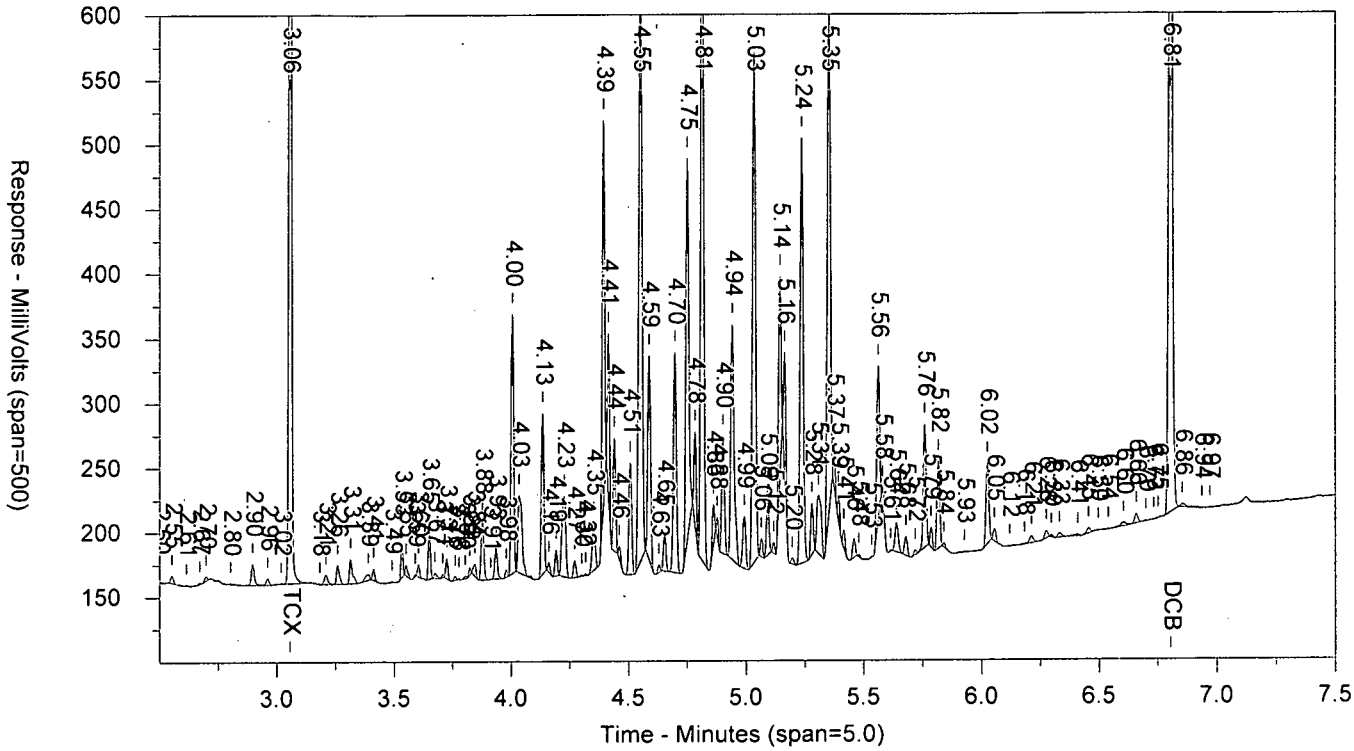

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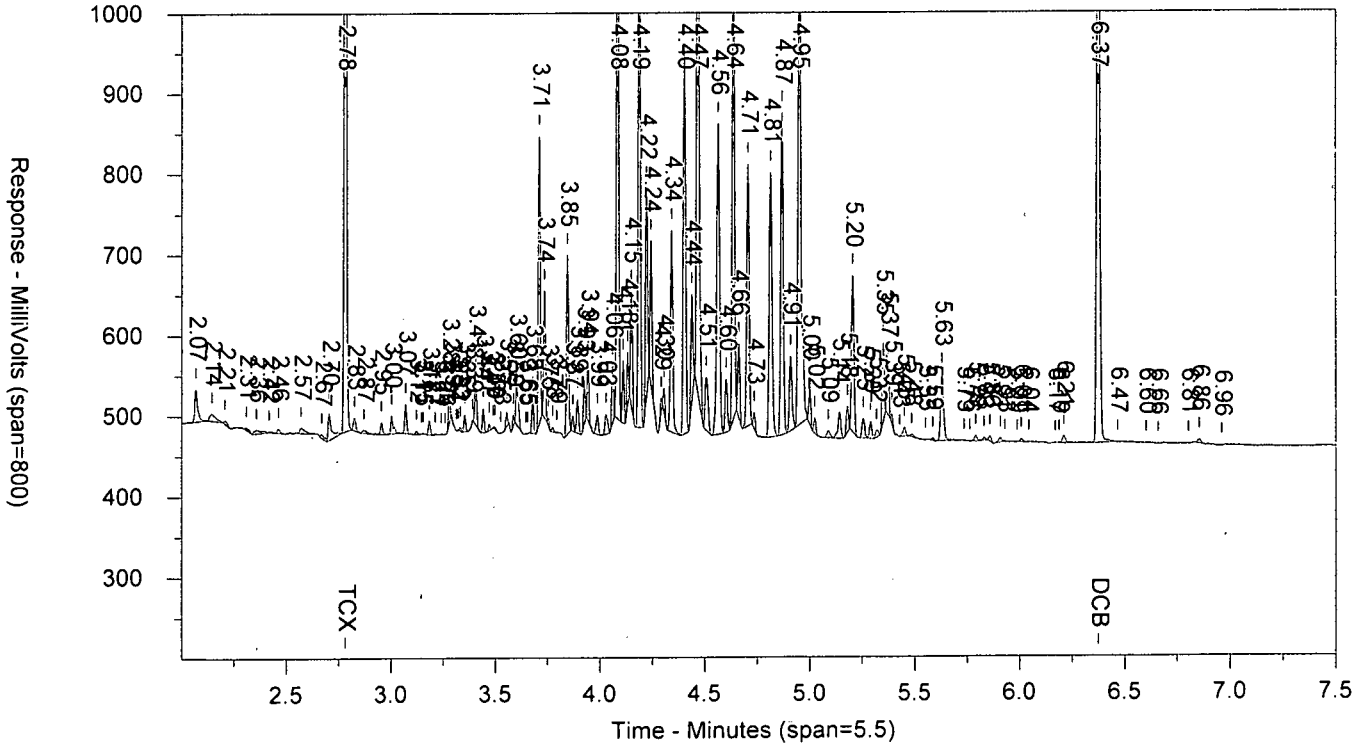

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:10:08 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: 25PCBS17309001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.022		1496	947
2.073		676	717
2.094		11777	11743
2.181		474	210
2.208		4962	7308
2.278		3142	5171
2.344		11285	11950
2.433		13182	8471
2.456		4679	3444
2.499		1397	1481
2.529		685	329
2.552		10645	9290
2.618		948	1036
2.695		9157	13663
2.801		1076	1019
2.838		949	541
2.896		15110	13261
2.96		10326	9312
3.015		432	786
3.056	TCX	2734058	1806364
3.142		1067	515
3.156		764	569
3.208		16340	15678
3.258		36222	30684
3.314		48977	43418
3.39		6640	6526
3.41		20731	13732
3.491		982	939
3.511		431	216
3.533		57711	35398
3.55		19330	13570
3.587		2771	1504
3.604		22399	13789
3.65		83758	54766
3.672		7752	5610
3.708		7053	3945
3.725		38225	22995
3.762		6142	3528
3.777		2404	1338
3.804		1460	898
3.823		13357	6947
3.844		23807	19192
3.877		104935	84545
3.935		57732	46080
3.979		13720	8902
4.004		469096	351111
4.033		139387	170138
4.083		3410	2197
4.134		297389	220967
4.161		20857	12331
4.192		53090	37224
4.227		145003	170882
4.27		33750	25481
4.301		2816	1507

RT A	Compound A	Height A	Area A
4.316		4082	2192
4.352		57864	61069
4.393		686512	493464
4.413		282541	173282
4.439		203588	161381
4.508		195592	166667
4.551		1021706	1009929
4.587		364801	294084
4.63		15907	10172
4.654		70934	54849
4.697		380637	354011
4.751		676902	591043
4.784		164130	113778
4.814		1321787	1147821
4.861		63304	48942
4.877		32314	16763
4.902		204412	164261
4.941		400123	414014
4.991		95126	87780
5.034		924996	844725
5.065		32182	22467
5.091		91490	71624
5.117		20276	12631
5.144		344205	258001
5.163		193424	127279
5.196		14204	11297
5.236		799637	718978
5.279		90672	70471
5.306		98617	137261
5.352		923004	818152
5.375		66764	34026
5.393		48816	25485
5.414		29537	20303
5.458		35636	29597
5.478		5447	3163
5.534		2663	1624
5.561		275577	224644
5.579		31245	18613
5.612		2020	1031
5.637		44257	41357
5.677		35300	31530
5.72		2595	2711
5.759		211602	182013
5.785		36244	24487
5.816		143656	126946
5.84		8119	5446
5.902		1177	1691
5.963		593	198
5.978		491	291
6.024		132604	121854
6.053		18779	15696
6.122		529	228
6.158		420	201
6.211		14126	16228
6.274		15777	15191
6.297		3794	2196
6.328		12161	15799
6.407		1047	1584
6.453		7850	7746
6.5		951	1011
6.538		487	364
6.549		411	132
6.565		460	250
6.601		10936	16903
6.657		16877	17256
6.694		474	301

RT A	Compound A	Height A	Area A
6.728		421	600
6.76		545	885
6.806	DCB	1607927	1579897
6.856		7301	8508

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:10:08 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: 25PCBS17309001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		1823	1309
2.068		30838	43910
2.142		10238	21412
2.208		9812	10041
2.253		2528	3434
2.305		7620	14003
2.358		5869	9679
2.394		1532	1828
2.463		12872	11466
2.519		1628	1785
2.571		6778	25194
2.688		4448	2415
2.704		30688	27825
2.781	TCX	4764971	2971908
2.826		34499	28543
2.874		3637	5266
2.954		37091	36473
3.003		59899	59341
3.07		81300	54011
3.103		865	190
3.121		10600	6658
3.15		1339	504
3.159		1691	356
3.184		41085	27294
3.209		409	289
3.219		1041	395
3.256		-336	22
3.279		82056	44587
3.292		14709	8182
3.332		10896	6254
3.355		43444	26099
3.406		140582	112217
3.441		62916	38445
3.47		20116	10886
3.489		4434	2449
3.497		2576	2354
3.523		1012	319
3.536		555	175
3.554		24335	11884
3.566		17463	7267
3.586		29338	14676
3.601		102704	94294
3.641		508	99
3.647		505	118
3.655		864	162
3.679		100333	67040
3.711		817991	515442
3.736		347071	211221
3.754		21625	9315
3.775		11335	6551
3.794		2521	10549
3.846		498657	349996
3.871		44441	25533
3.894		93930	65785

RT B	Compound B	Height B	Area B
3.926		120287	68020
3.943		161980	93324
3.988		58809	47206
4.028		56328	51359
4.06		161459	99153
4.083		1864222	1264302
4.11		172348	104851
4.131		152432	84645
4.149		284797	183898
4.187		1531068	1102687
4.222		602274	417803
4.243		410684	261141
4.306		114154	117765
4.342		575840	485734
4.403		1144989	879811
4.439		289285	217771
4.467		2103981	1605626
4.507		148431	151993
4.564		894938	856613
4.602		149808	122971
4.636		1429842	1042802
4.661		209055	144170
4.706		776139	611885
4.735		48553	31910
4.813		769240	716839
4.868		982524	800450
4.909		219070	196305
4.95		1506823	1451869
5		96364	66256
5.024		46445	31551
5.088		19477	21417
5.142		77276	72466
5.18		76021	53341
5.205		448344	365072
5.256		59401	49808
5.29		41557	31189
5.321		21714	22969
5.351		224690	160985
5.371		134820	87542
5.391		28321	14922
5.413		3846	2047
5.45		27544	24059
5.487		3485	3460
5.566		3870	6288
5.63		200478	205879
5.732		1272	807
5.79		16453	14667
5.828		9117	6840
5.855		16051	11847
5.906		16756	29682
5.969		2009	1059
6.008		10816	35508
6.169		3958	8587
6.209		22532	22040
6.372	DCB	2135037	1928133
6.475		1197	624
6.548		1688	1037
6.662		2605	5445
6.727		1106	594
6.786		737	394
6.826		2347	2054
6.854		5319	5231

AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082

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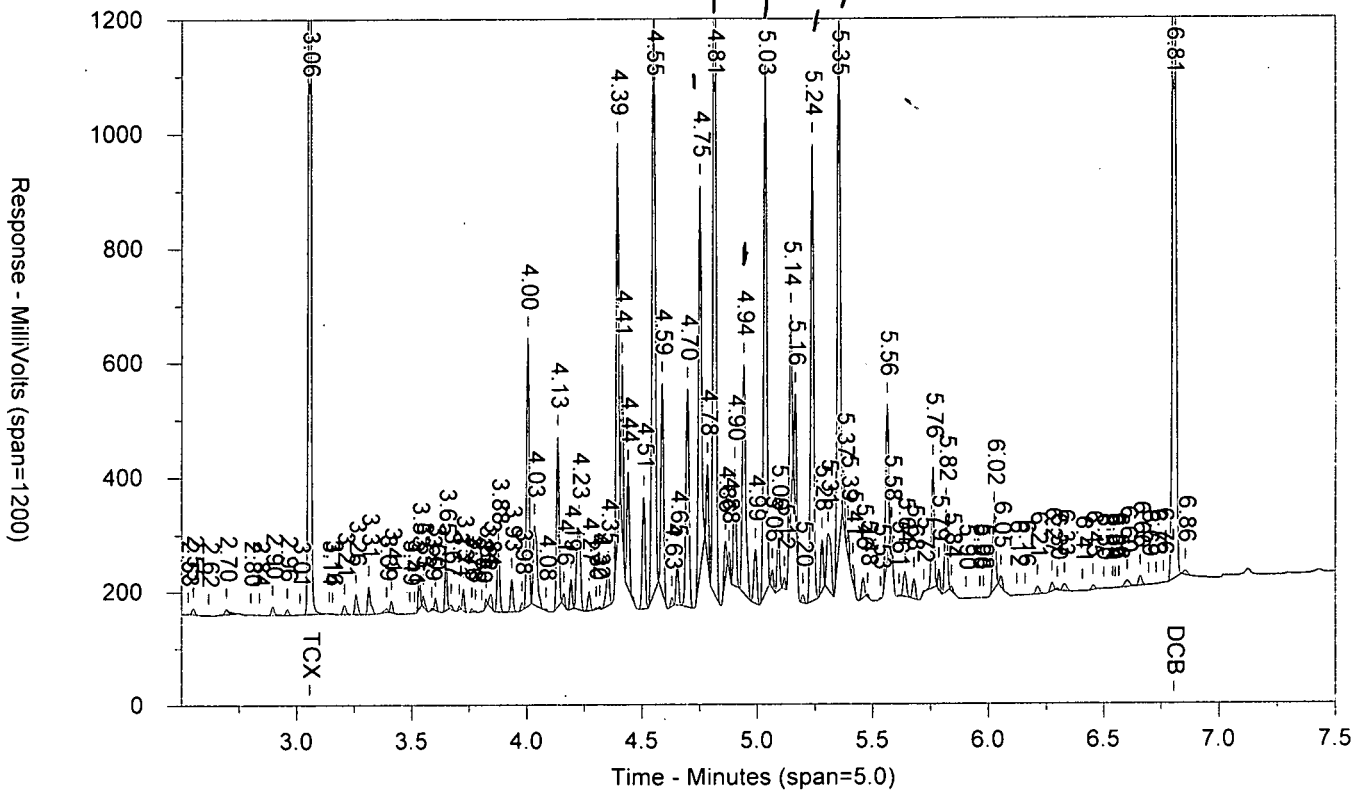

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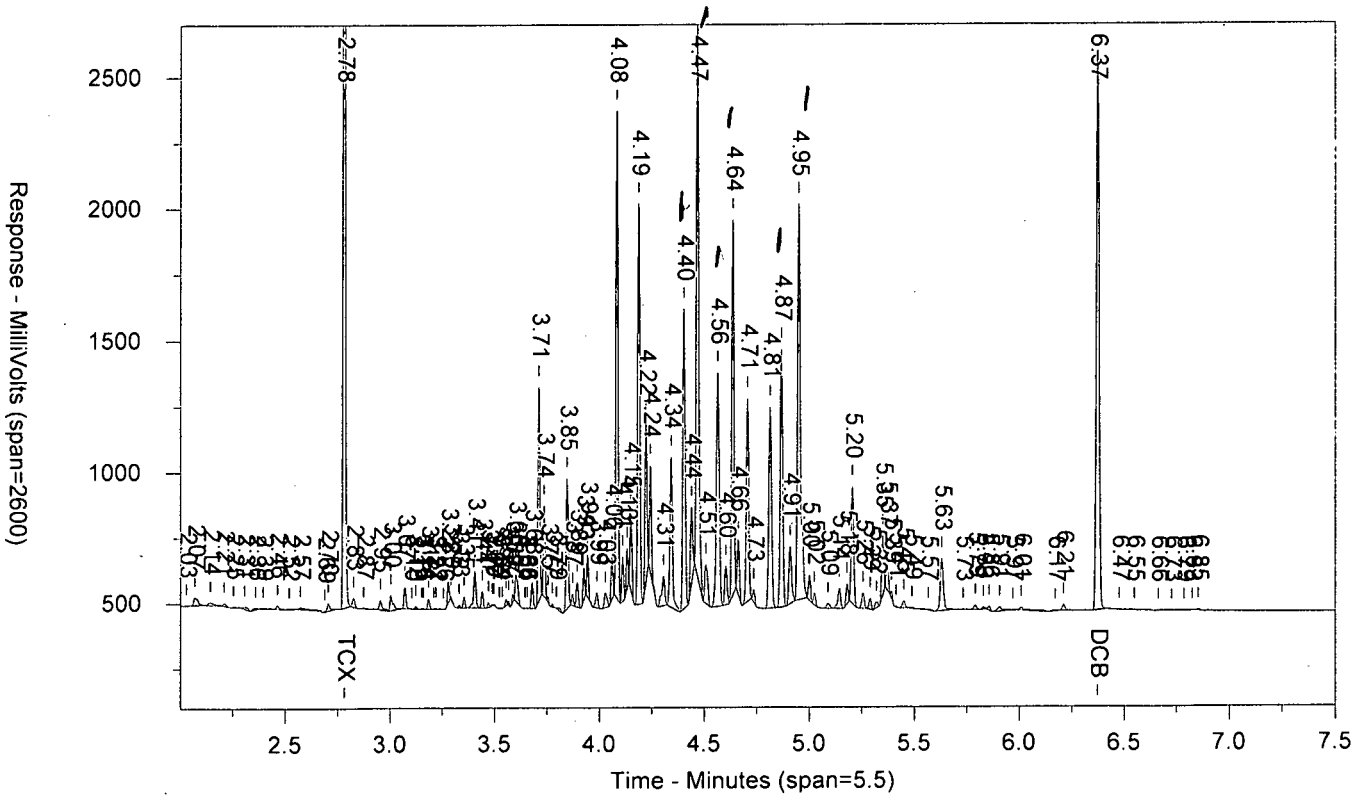

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:10:08 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
3.056	2734058	19.834	TCX	2.781	4764971	19.546	TCX
6.806	1607927	19.151	DCB	6.372	2135037	18.588	DCB

Files:
Area File: 25PCBS17309001.022.RAW
Area File: 25PCBS17309001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 10:18:39 PM
File Reported On: 11/7/2017 at 12:04:23 PM

AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082

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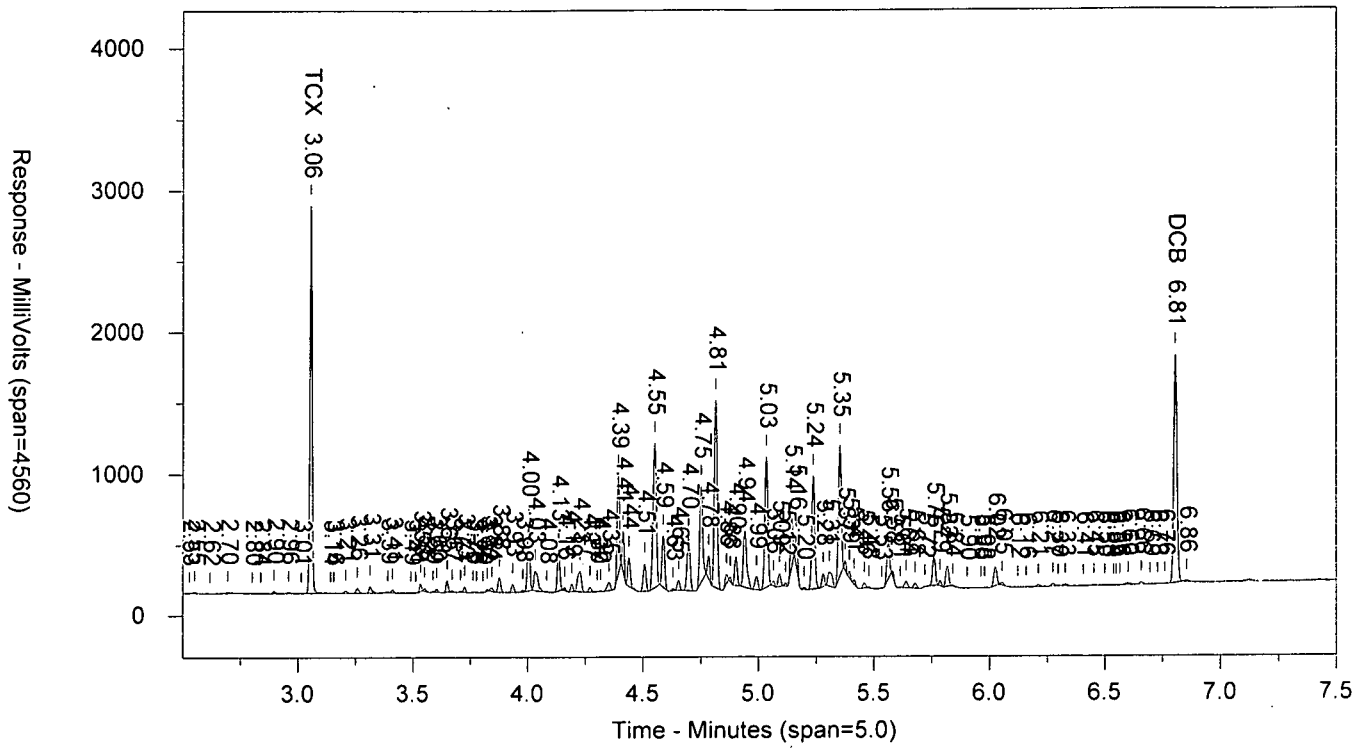

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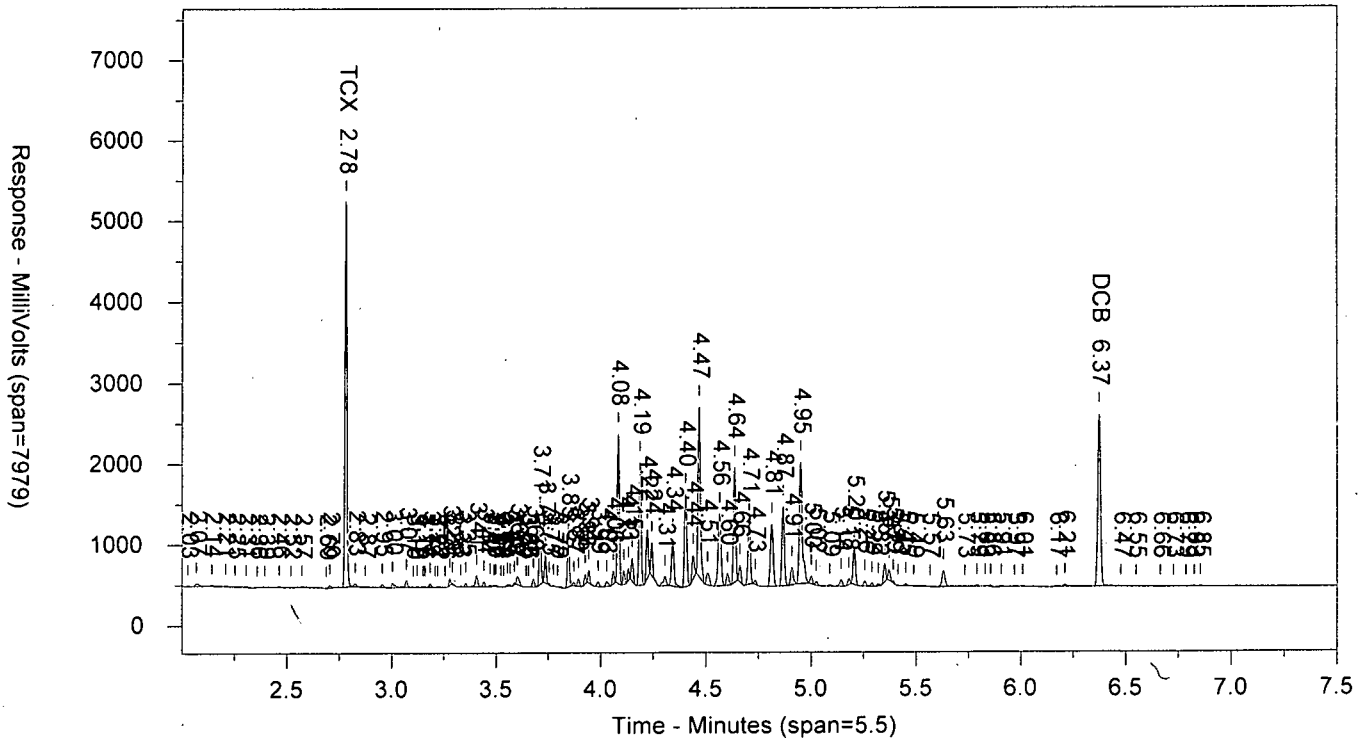

AR5441724C AAAR544AA ICAL 1730899999 10225 SW-846 8082

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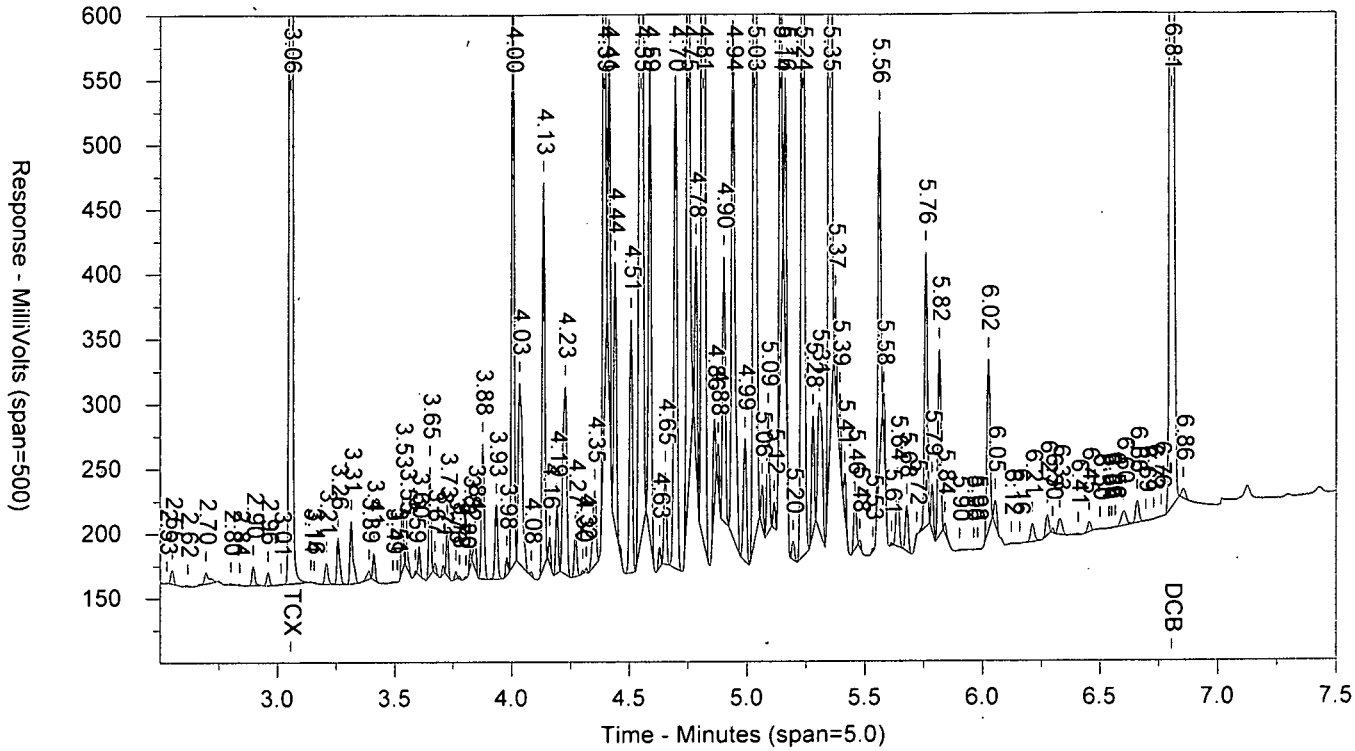

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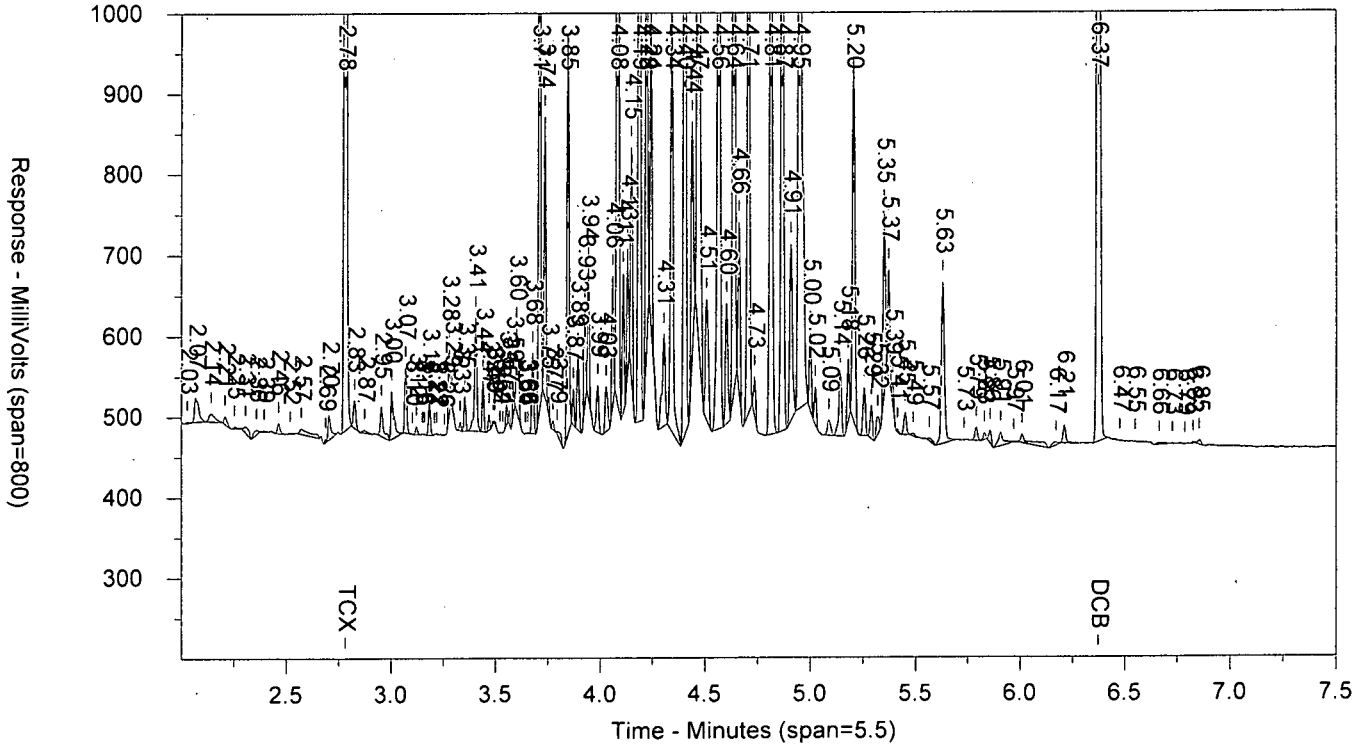

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:21:28 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: 25PCBS17309001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1336	985
2.068		560	365
2.094		12022	13415
2.209		4518	7086
2.281		3626	7634
2.344		23911	21441
2.433		17847	11523
2.457		9782	7648
2.495		1514	1664
2.529		471	175
2.551		10852	9472
2.652		445	150
2.671		574	402
2.695		14648	11392
2.798		751	578
2.838		759	435
2.896		17335	16266
2.959		6578	5629
3.024		397	225
3.055	TCX	5550726	3715002
3.141		749	498
3.157		1706	881
3.208		32660	29003
3.258		74519	61388
3.313		94355	70569
3.39		10628	8180
3.41		42333	28214
3.454		796	595
3.486		917	959
3.532		108520	68236
3.549		41617	28529
3.587		6574	3314
3.603		45438	27957
3.649		160425	113273
3.674		2932	2208
3.707		15546	8597
3.725		75282	47846
3.76		11312	6638
3.775		4175	2092
3.805		1228	908
3.823		27286	15095
3.843		48818	38216
3.876		194064	164965
3.934		108612	85306
3.978		29337	18513
4.003		868920	648555
4.032		250941	322216
4.083		6166	3633
4.134		559262	419259
4.16		41019	24625
4.191		104115	73749
4.226		280696	322882
4.269		65782	52775
4.299		5430	3093

RT A	Compound A	Height A	Area A
4.316		9650	5393
4.353		80042	69807
4.393		1372680	980278
4.413		573100	347956
4.439		399412	307345
4.507		365927	316994
4.551		2083586	1994135
4.587		681876	560169
4.629		32168	21517
4.653		133889	104759
4.696		710199	632153
4.75		1353939	1175416
4.783		322466	215978
4.814		2776150	2290990
4.861		129678	92524
4.876		56941	28619
4.901		385389	309038
4.94		783004	786178
4.99		181877	165413
5.033		1877841	1692973
5.065		56204	38254
5.09		161440	130146
5.116		43909	27288
5.143		691657	502966
5.161		385308	246714
5.195		29873	23216
5.235		1561917	1432187
5.279		167816	130254
5.305		178607	250519
5.352		1846237	1625281
5.373		116780	61096
5.392		82993	47625
5.414		50711	34995
5.457		67940	56005
5.478		12163	6541
5.533		5457	3391
5.561		530145	429088
5.579		62774	35776
5.611		5707	3409
5.637		82781	74704
5.677		71351	64268
5.717		24471	20523
5.759		416417	359283
5.785		62526	44624
5.816		279980	237931
5.839		15353	10707
5.91		870	835
5.949		595	206
6.023		250288	236218
6.055		46291	42678
6.116		761	352
6.168		410	267
6.212		24323	26506
6.275		27401	26320
6.298		9358	6134
6.331		3902	3969
6.361		757	217
6.387		714	723
6.453		16271	16061
6.498		1590	1912
6.547		692	196
6.601		3564	6360
6.657		33634	33515
6.71		750	338
6.765		871	1135
6.807	DCB	3153650	3191956

RT A	Compound A	Height A	Area A
6.95		1051	244

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:21:28 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: 25PCBS17309001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.077		46894	73194
2.143		9519	18571
2.208		19417	19628
2.304		9297	12559
2.359		4788	7465
2.422		1773	1563
2.462		25818	21682
2.52		1901	1513
2.57		6924	22437
2.666		3431	2182
2.704		34245	31007
2.781	TCX	9933436	6177292
2.826		65951	52772
2.871		3994	4804
2.954		67773	49694
3.003		114481	96931
3.069		158787	105571
3.122		21039	13058
3.144		647	105
3.153		1116	443
3.183		80284	53298
3.213		1489	617
3.226		865	125
3.232		663	116
3.248		536	106
3.279		162880	88419
3.291		23157	8174
3.331		20406	12094
3.354		85247	53026
3.406		274859	199329
3.441		126727	77666
3.47		38053	21086
3.488		23257	28804
3.527		645	160
3.533		722	134
3.554		56378	28272
3.565		28207	11041
3.586		56148	26534
3.6		197990	184720
3.651		1081	217
3.678		190778	126163
3.71		1600220	999491
3.735		674983	406175
3.754		43163	18695
3.773		21561	12750
3.796		1428	3691
3.845		970489	660211
3.87		86345	49231
3.892		178252	123289
3.925		228078	132678
3.942		312769	184593
3.987		112949	92127
4.027		108109	101334
4.059		312592	190642

RT B	Compound B	Height B	Area B
4.082		3671875	2526226
4.109		352515	212579
4.13		301207	168654
4.148		544223	337646
4.186		3039509	2181075
4.221		1201910	817949
4.242		800810	502015
4.304		224056	194119
4.341		1111218	882142
4.377		6269	2404
4.402		2355352	1782813
4.437		587872	439737
4.466		4315069	3276289
4.507		287772	293380
4.563		1768307	1675395
4.601		289704	235496
4.635		2858935	2100118
4.66		398962	267963
4.705		1507218	1201926
4.734		92675	59248
4.812		1522264	1405885
4.867		2007919	1621259
4.908		415870	378513
4.949		2961292	2873194
4.999		209636	136157
5.023		81411	56280
5.088		38020	38376
5.142		146686	137076
5.179		141790	101332
5.204		874882	715269
5.255		113833	96238
5.29		91035	72607
5.318		41801	39489
5.35		467175	326350
5.371		276347	175510
5.39		60670	33354
5.411		6826	3731
5.449		52583	53368
5.51		1766	823
5.563		1019	581
5.586		13573	10616
5.629		365888	364141
5.73		1448	2181
5.789		28898	25226
5.828		18144	14786
5.856		28765	22269
5.905		23805	24029
5.952		1220	556
6.008		19270	16118
6.157		2341	2908
6.209		40618	37030
6.268		1281	744
6.372	DCB	4338834	3877674
6.493		1209	1002
6.549		1564	1534
6.662		1106	810
6.824		3797	3181
6.859		4452	3724
6.885		1373	742
6.918		971	691
6.964		1047	717

AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082

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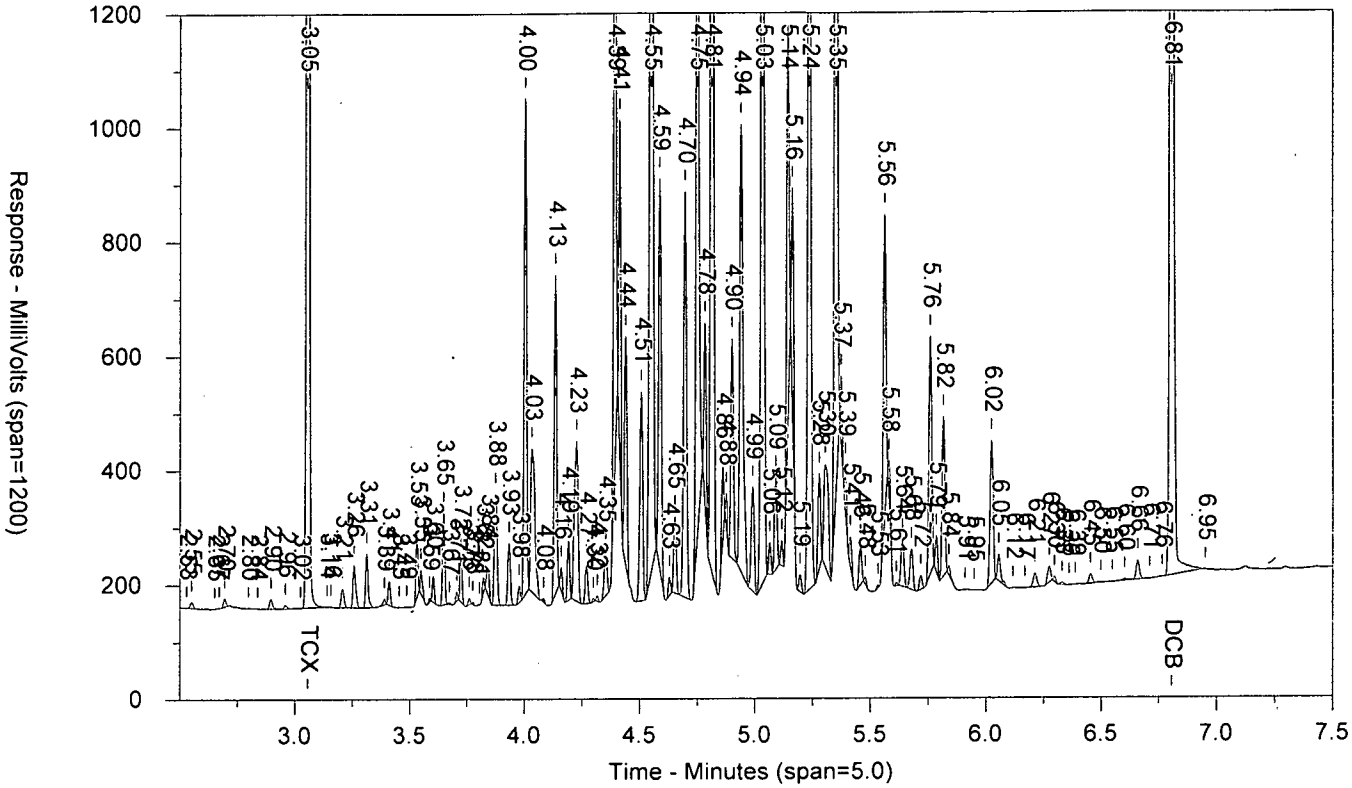

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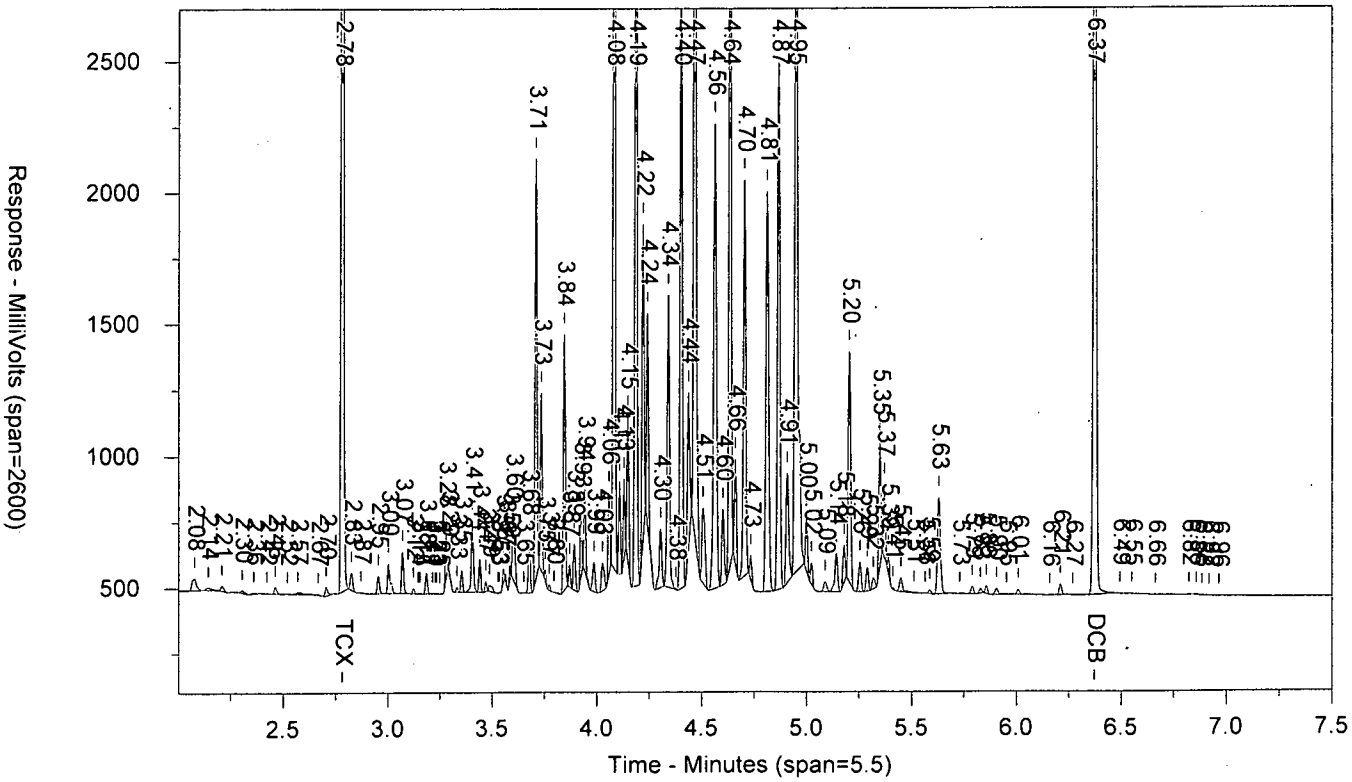

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:21:28 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
3.055	5550726	40.267	TCX	2.781	9933436	40.747	TCX
6.807	3153650	37.562	DCB	6.372	4338834	37.775	DCB

Files:
Area File: 25PCBS17309001.023.RAW
Area File: 25PCBS17309001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 10:29:59 PM
File Reported On: 11/7/2017 at 12:04:51 PM

AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082

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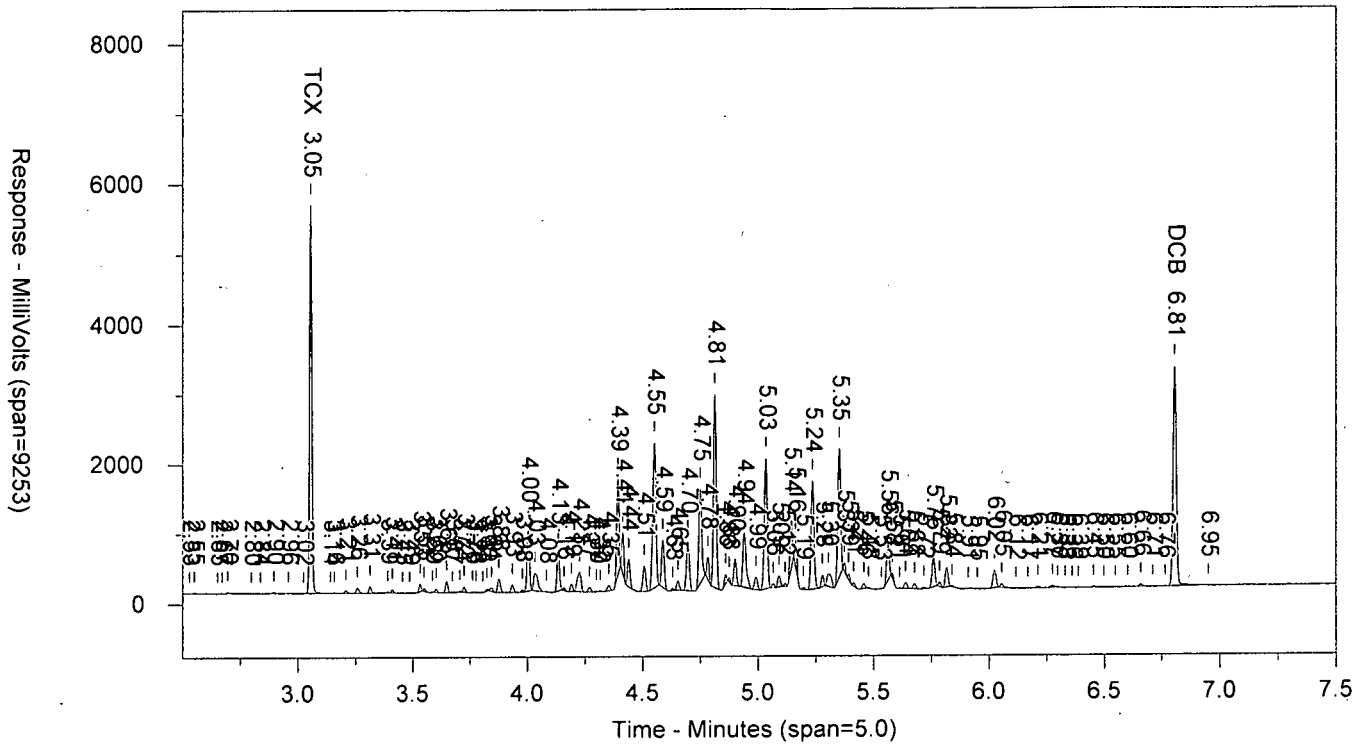

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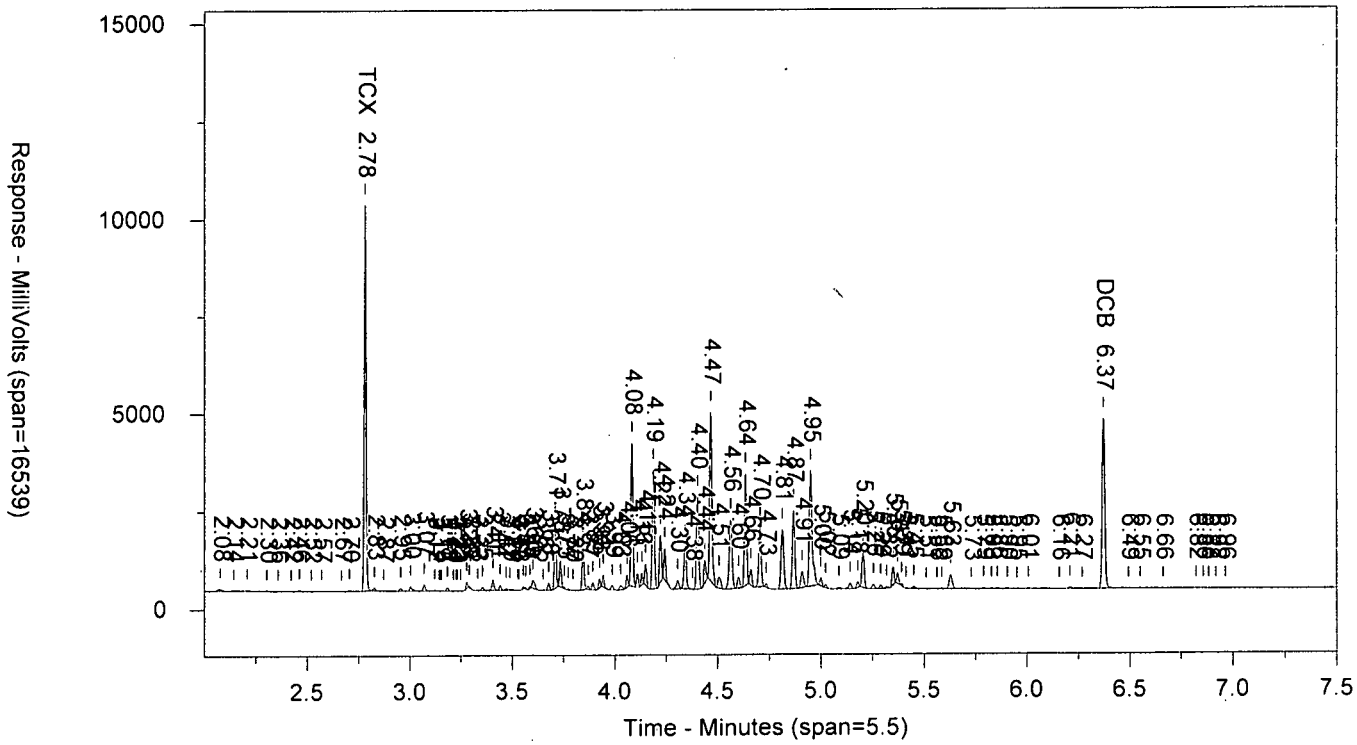

AR5451724C AAAR545AA ICAL 1730899999 10225 SW-846 8082

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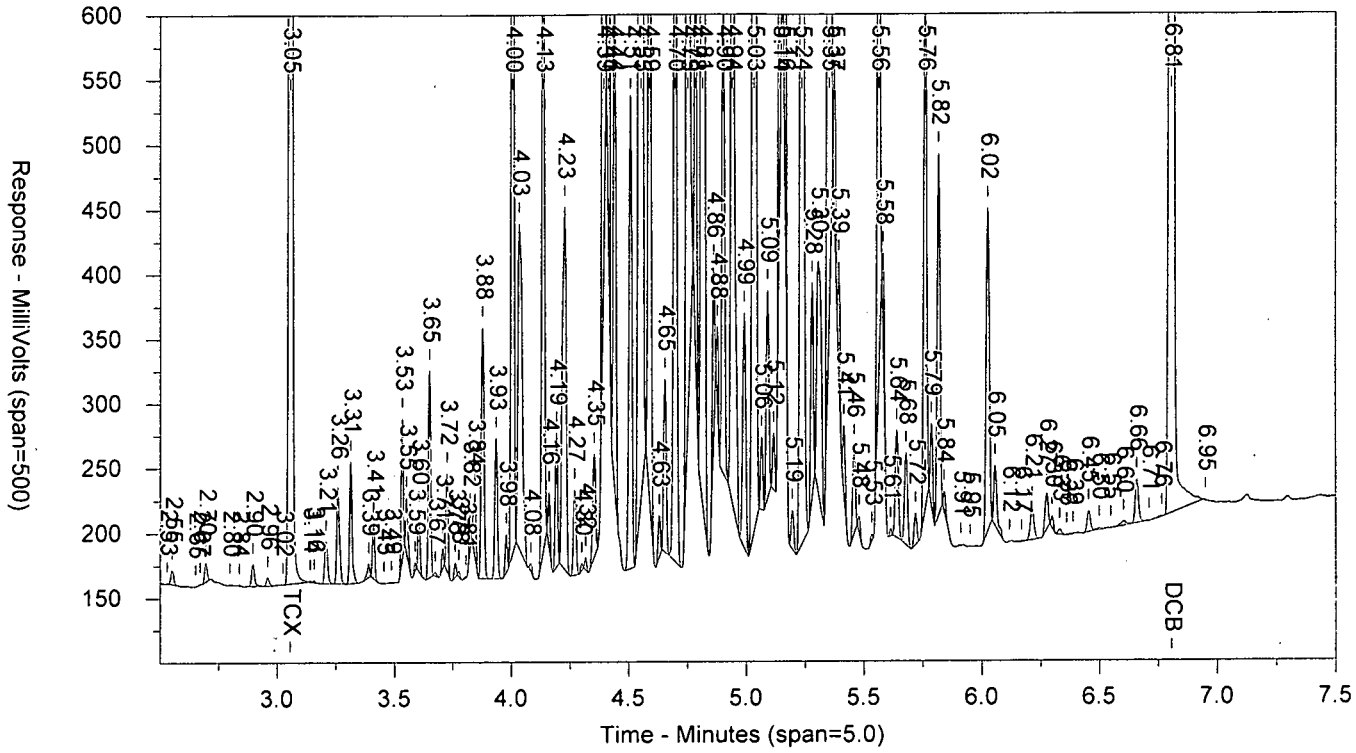

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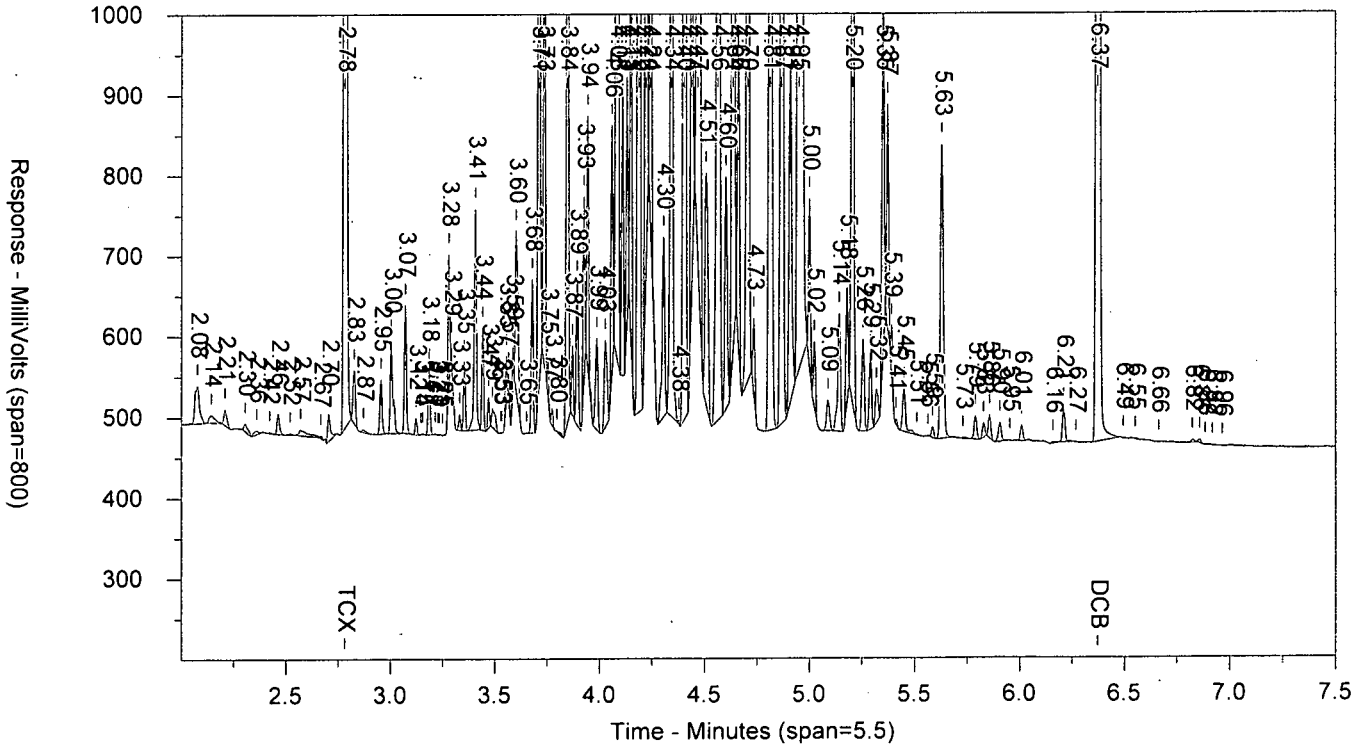

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:32:46 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: 25PCBS17309001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		1240	1168
2.073		620	135
2.097		10405	11003
2.147		900	851
2.212		4579	7015
2.275		3455	7943
2.346		46328	40526
2.435		14385	8927
2.458		19463	15871
2.498		978	990
2.529		426	191
2.554		13804	12426
2.599		482	775
2.673		838	559
2.697		31313	35545
2.799		563	276
2.898		15196	13607
2.961		5518	5155
3.057	TCX	11091060	7290377
3.159		3459	2322
3.21		63620	57302
3.259		141201	118805
3.315		178791	129271
3.391		19088	11575
3.411		80037	53412
3.451		1041	526
3.488		1714	1903
3.533		205657	125354
3.551		78165	55183
3.588		12933	6432
3.604		87894	53556
3.65		301431	214378
3.674		1658	1108
3.708		28012	16544
3.726		139075	90453
3.762		22952	13003
3.778		8613	3989
3.806		1473	774
3.824		50776	28930
3.845		88496	71312
3.878		367491	316470
3.935		202081	158471
3.979		56091	36204
4.005		1634274	1214819
4.034		477179	596146
4.084		14637	10344
4.136		1038669	786482
4.161		73962	45394
4.192		181600	136748
4.226		521865	604307
4.271		124741	100932
4.301		11072	6032
4.317		19934	11639
4.354		127762	106270

RT A	Compound A	Height A	Area A
4.394		2693158	1885219
4.415		1143007	686415
4.44		743993	585129
4.508		695935	587077
4.552		3925355	3878055
4.589		1307713	1052403
4.63		57487	39629
4.655		231191	186608
4.698		1351331	1178188
4.751		2609131	2279583
4.784		622195	416257
4.815		5493692	4498090
4.863		216968	162704
4.878		117462	57484
4.902		746549	585780
4.942		1504935	1486706
4.992		324882	301846
5.035		3649347	3281440
5.066		103092	71628
5.092		312530	241182
5.118		77786	48014
5.144		1370864	965938
5.164		741765	468580
5.196		52224	41562
5.236		3137363	2786948
5.28		312311	244301
5.307		332592	468222
5.353		3807771	3187054
5.375		242622	127155
5.393		140272	79703
5.416		96597	61229
5.459		121499	98770
5.479		21329	13044
5.534		10065	6340
5.563		1236885	1478440
5.612		9486	5761
5.639		146197	127189
5.678		128726	117991
5.718		48654	42143
5.76		818938	678643
5.786		118177	81901
5.817		493296	429445
5.84		28684	19265
5.905		1449	1066
5.919		1520	1184
6.025		441796	432523
6.056		83403	81983
6.12		2563	2377
6.168		730	495
6.212		46912	51649
6.274		51414	50765
6.296		16356	10638
6.331		3372	3705
6.384		508	302
6.406		1105	1386
6.454		30655	29333
6.497		2561	2566
6.604		2309	3090
6.624		736	430
6.657		60340	61575
6.723		385	184
6.76		1210	1313
6.806	DCB	6310164	6136155
6.916		1385	1020

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:32:46 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: 25PCBS17309001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.026		2143	1827
2.077		82562	103369
2.142		10210	20197
2.207		36904	36963
2.303		16641	21197
2.359		5600	13748
2.462		47871	41383
2.572		5803	11772
2.671		4446	2919
2.703		29914	24061
2.74		2056	1919
2.781	TCX	19743360	12347470
2.826		116326	97113
2.869		3064	4142
2.954		128086	98387
3.002		219419	188347
3.069		302772	206242
3.121		40311	23955
3.147		738	260
3.183		146078	99846
3.212		765	202
3.233		1460	1032
3.26		910	338
3.279		293749	158190
3.29		41369	19458
3.331		38560	22454
3.354		158150	98618
3.405		499700	361996
3.44		241469	149385
3.469		72136	38874
3.487		45053	56268
3.533		748	169
3.554		105284	50379
3.565		52746	22696
3.585		108962	50793
3.6		382335	356602
3.652		877	370
3.678		355576	238896
3.709		3093425	1916921
3.735		1310208	778680
3.753		85008	35347
3.772		39299	24387
3.844		1886792	1257965
3.87		166862	91752
3.892		330127	231600
3.925		445818	255403
3.942		568150	328258
3.986		215281	175481
4.027		197855	185392
4.058		579763	361636
4.081		7206652	4942408
4.108		673187	406045
4.13		541795	306802
4.148		1007567	621823

RT B	Compound B	Height B	Area B
4.186		5921150	4251832
4.22		2359022	1580859
4.241		1515510	960837
4.304		409445	330277
4.341		2161842	1690005
4.377		9499	3607
4.401		4617789	3523551
4.437		1201092	850333
4.465		8549693	6438498
4.506		528239	546673
4.562		3534780	3252408
4.6		542217	440404
4.634		5611123	4146961
4.66		740896	498214
4.704		2909634	2326195
4.734		181917	119246
4.812		2935671	2724693
4.866		4132354	3241263
4.907		798884	720405
4.949		5689191	5646307
4.998		392400	259446
5.022		154021	106296
5.087		70673	72935
5.142		265867	257947
5.179		274981	192591
5.204		1693461	1375580
5.254		204547	177009
5.289		171042	133459
5.318		78011	74645
5.349		916938	636761
5.37		507974	320956
5.389		98021	55708
5.412		14856	7542
5.448		102943	94879
5.482		2969	2391
5.508		2487	1344
5.567		1253	825
5.586		25752	20234
5.629		693616	688266
5.733		3312	3699
5.788		54465	47286
5.828		34051	26797
5.856		54106	42579
5.904		43857	40295
6.007		37588	30502
6.038		2344	1464
6.156		2913	3060
6.208		78820	67333
6.24		2733	1766
6.299		1354	1057
6.331		1403	976
6.371	DCB	8638582	7514584
6.546		2842	3527
6.657		1296	536
6.707		1599	2246
6.824		8284	6902
6.855		4882	3840
6.902		1108	1735

AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082

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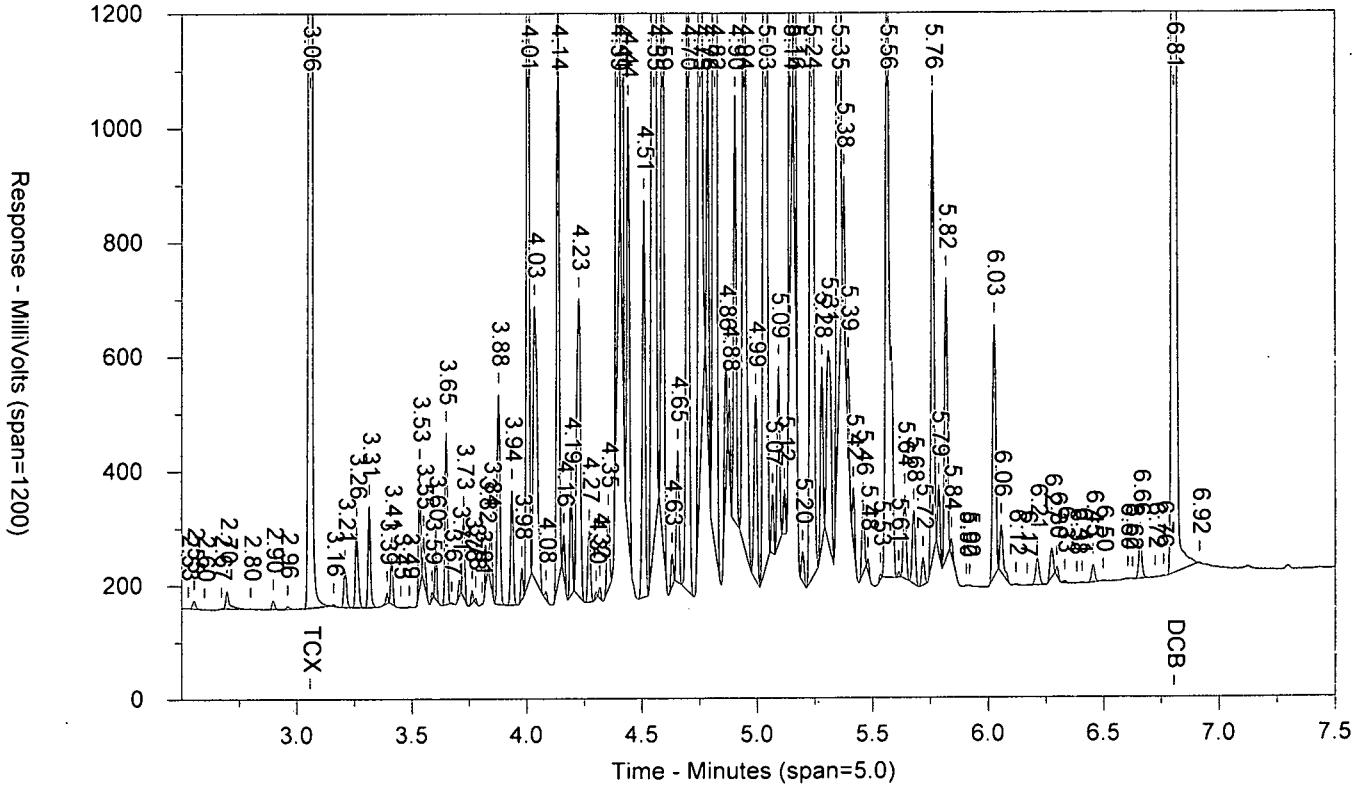

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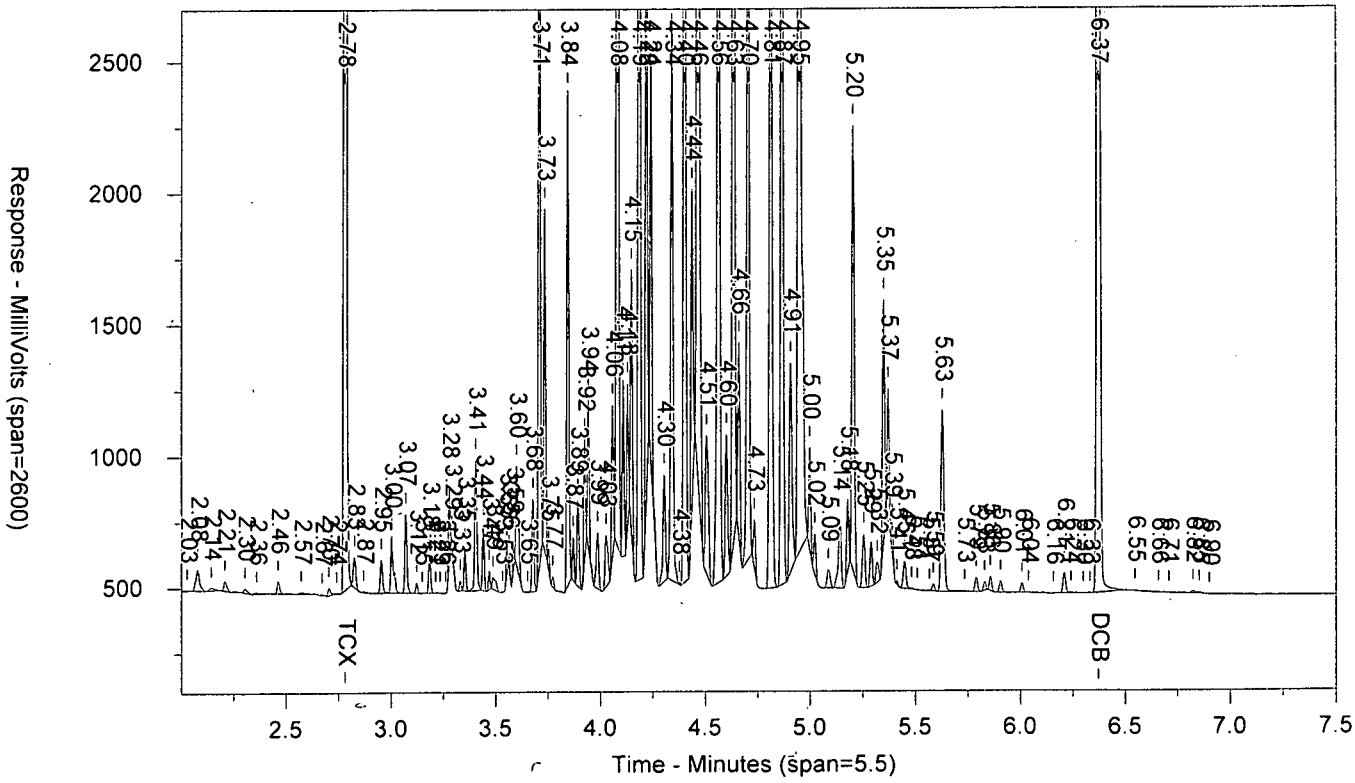

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:32:46 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
3.057	11091060	80.459	TCX	2.781	19743360	80.988	TCX
6.806	6310164	75.158	DCB	6.371	8638582	75.209	DCB

Files:
Area File: 25PCBS17309001.024.RAW
Area File: 25PCBS17309001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 10:41:16 PM
File Reported On: 11/7/2017 at 12:05:29 PM

AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082

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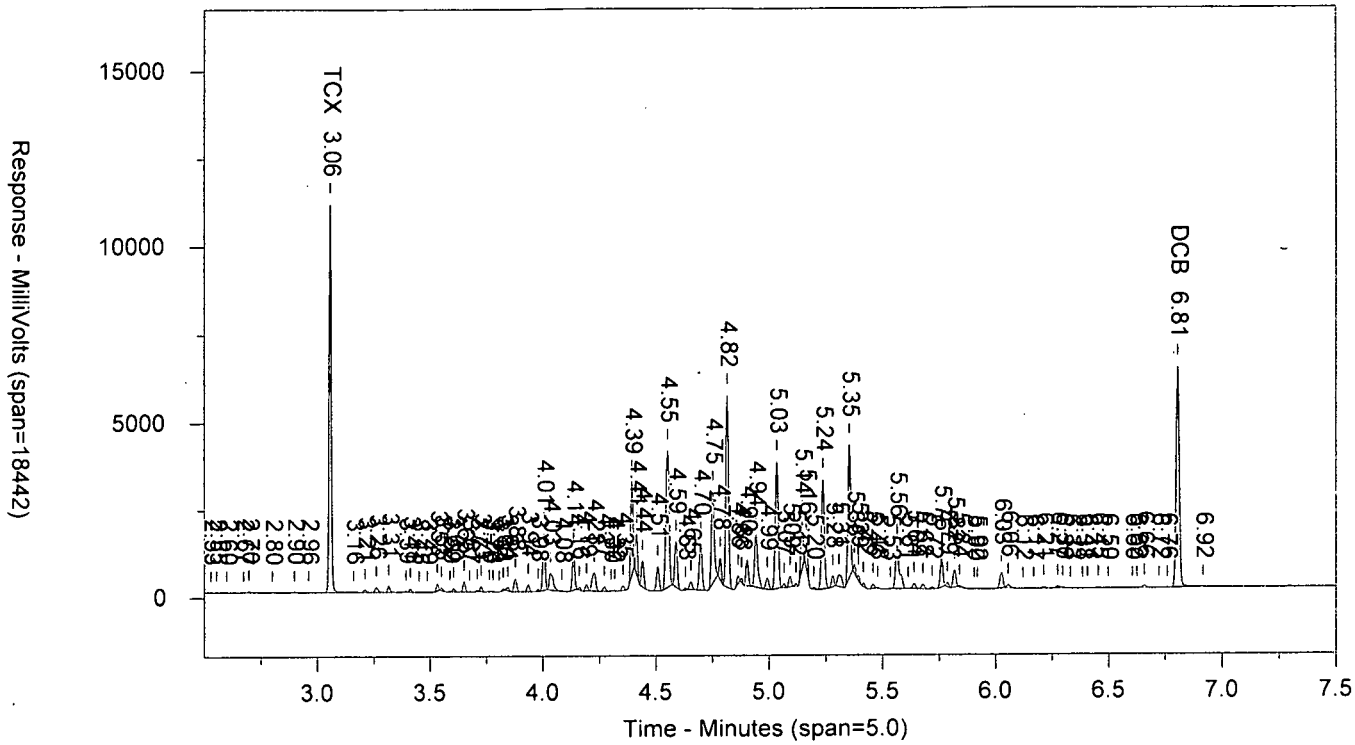

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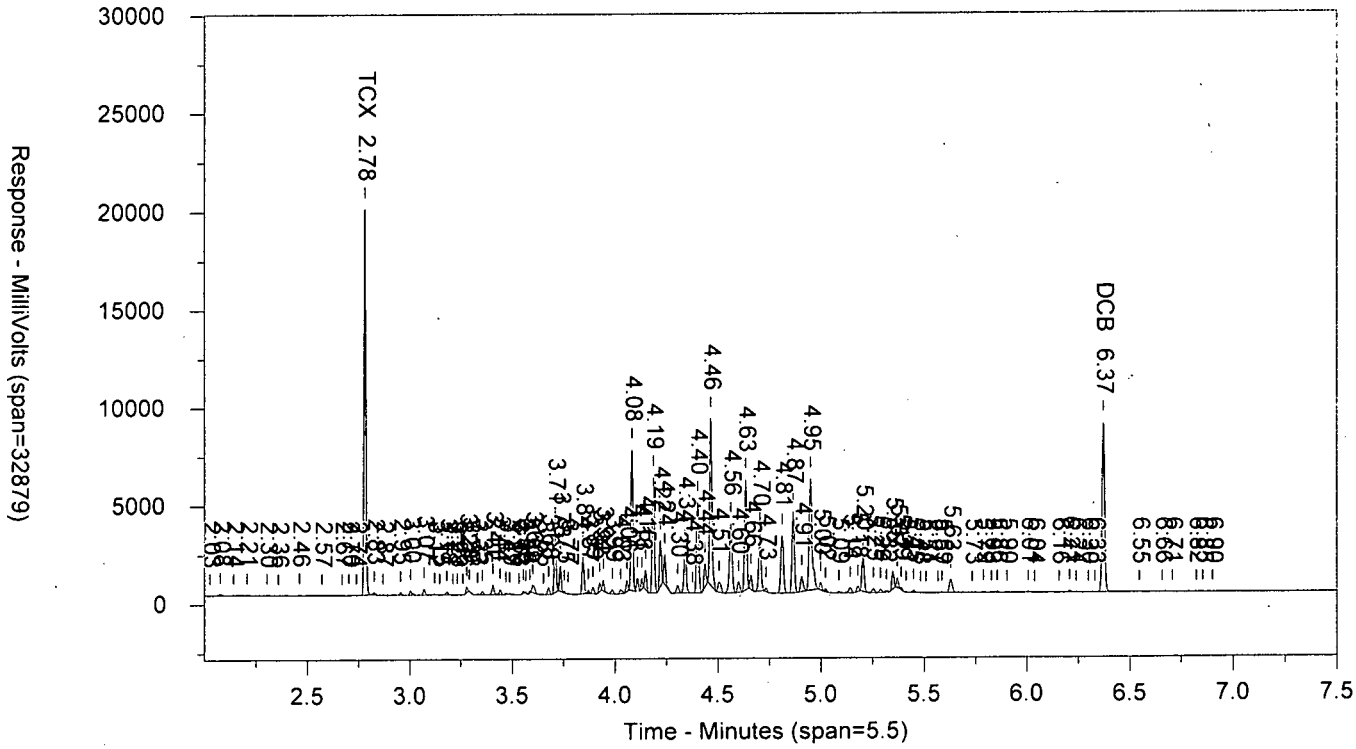

AR5461724B AAAR546AA ICAL 1730899999 10225 SW-846 8082

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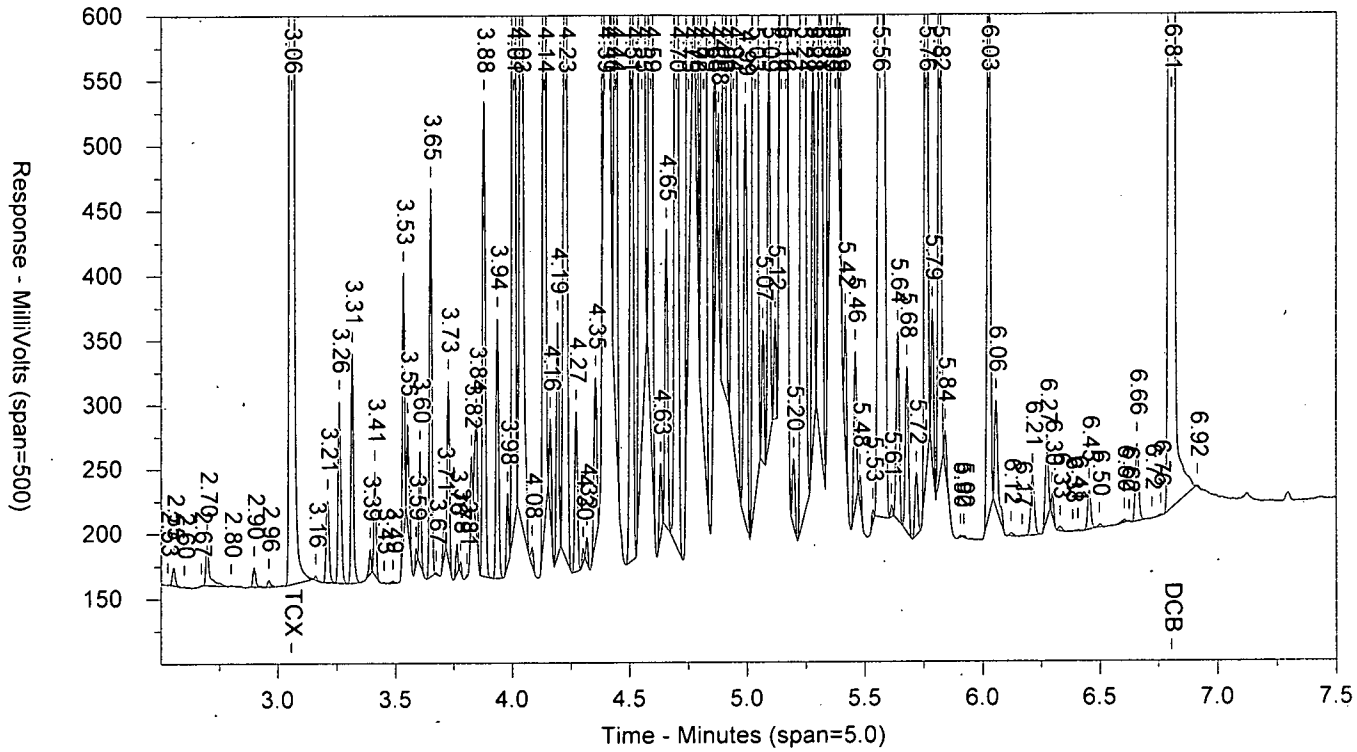

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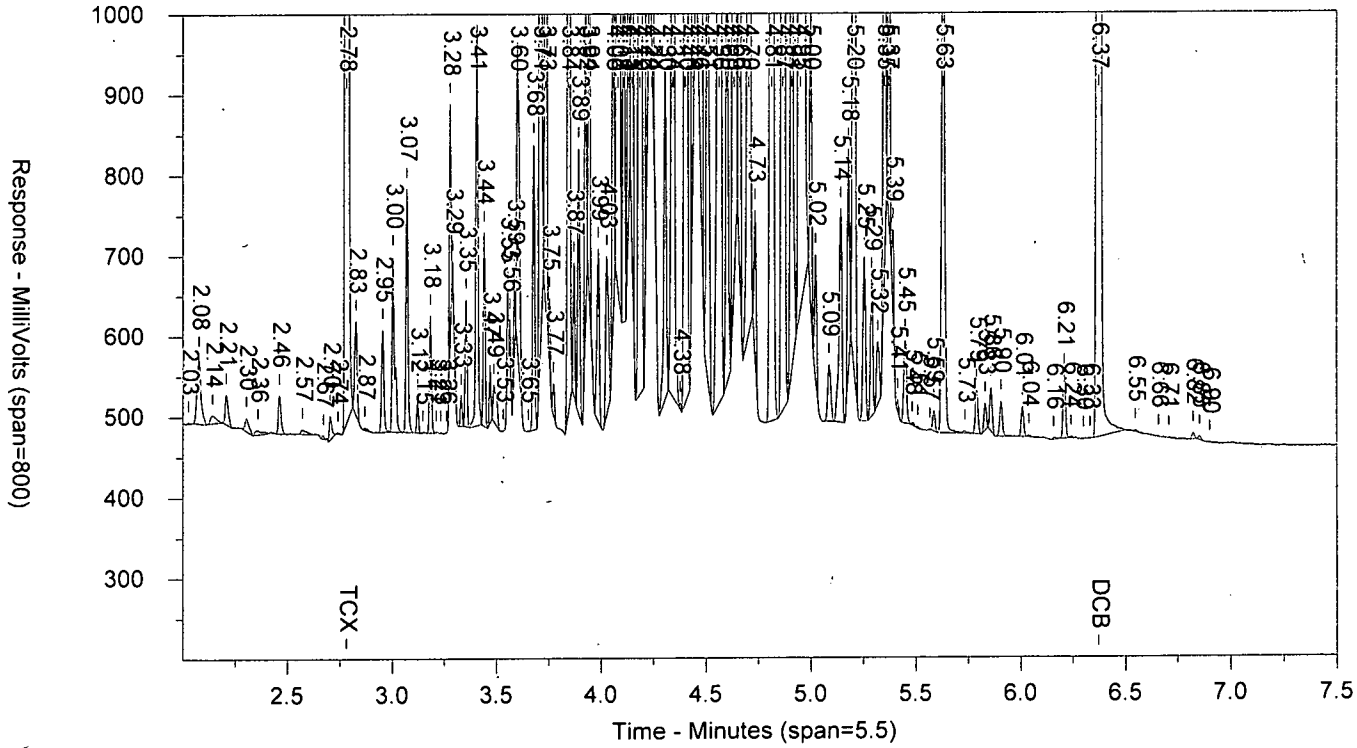

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:44:10 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: 25PCBS17309001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1512	1090
2.096		10033	11377
2.147		1151	1518
2.21		4818	7394
2.277		2872	5047
2.307		847	1970
2.385		7173	4640
2.435		25919	17888
2.5		1802	2212
2.552		5964	4884
2.62		892	1037
2.672		1220	767
2.698		2640	1722
2.712		1097	1155
2.813		2997	2876
2.838		681	436
2.898		16907	15375
2.962		5668	4861
2.998		562	192
3.029		2663	1879
3.058	TCX	14238	14962
3.142		925	746
3.211		6830	7237
3.267		5309	3695
3.294		2202	1159
3.316		35411	27846
3.384		3435	4477
3.412		26799	18322
3.492		1152	1716
3.534		27973	16527
3.551		13055	8121
3.589		2051	1074
3.606		7225	4301
3.627		4137	2484
3.652		67493	44094
3.676		4263	4210
3.726		20492	14626
3.763		3963	2443
3.779		1935	996
3.804		2271	1551
3.825		9337	4790
3.839		15503	12754
3.879		46547	37249
3.937		52557	38550
3.959		6433	3304
3.98		10694	6818
4.008		29892	21397
4.044		68248	61094
4.075		3957	4722
4.138		27785	23585
4.163		4980	2750
4.195		6941	4850
4.221		65633	69708
4.273		11908	8967

RT A	Compound A	Height A	Area A
4.303		3220	2178
4.321		564	177
4.355		52539	46183
4.396		124560	113422
4.417		19631	10989
4.442		13900	8787
4.464		16895	13075
4.526		38841	33051
4.555		160186	141071
4.59		12262	8817
4.63		7159	4819
4.655		36440	31809
4.696		131487	126445
4.77		126787	150527
4.817		71803	59825
4.864		405029	413984
4.903		81351	61843
4.943		657278	605949
4.987		42260	37440
5.034		48632	49063
5.07		23484	18186
5.094		77721	65030
5.146		738874	808070
5.198		335574	317707
5.239		332529	412480
5.288		69346	57762
5.318		38516	30692
5.353		632495	610746
5.377		11463	4555
5.395		10598	5152
5.417		999620	893089
5.46		451530	424197
5.52		801	587
5.555		167792	130738
5.582		844989	828230
5.639		367484	313821
5.663		21411	10241
5.679		108837	79341
5.723		41199	48786
5.763		151261	141491
5.819		1920872	1764309
5.841		32813	17782
5.906		881	459
5.973		1193	1552
6.023		1222905	1254616
6.079		589247	956021
6.171		703	298
6.213		64171	64269
6.278		14956	12079
6.299		295985	259601
6.329		3383	2971
6.407		1445	960
6.456		764916	762692
6.502		52055	60894
6.605		4895	7000
6.66		300416	311275
6.761		1136	1633
6.808	DCB	8519	8366
6.859		3484	4174
6.887		1515	1074
6.989		748	380

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:44:10 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: 25PCBS17309001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.035		1367	1763
2.067		51750	42136
2.143		9997	22236
2.215		15096	10323
2.263		5090	24309
2.359		4403	6785
2.462		5867	4958
2.497		1839	1119
2.572		8690	31374
2.667		5089	3487
2.688		5076	2007
2.704		33506	45740
2.803	TCX	5408	2469
2.826		22272	18724
2.87		4023	6881
2.955		13173	9333
2.983		3394	2891
3.016		11787	12438
3.069		60993	37176
3.089		3697	1713
3.121		701	269
3.145		3177	1675
3.167		641	161
3.183		48137	31691
3.213		2134	1080
3.23		521	215
3.247		668	389
3.279		43853	22866
3.291		10471	3902
3.316		778	166
3.332		5418	3513
3.353		24270	16692
3.406		115325	95571
3.441		28094	16382
3.471		646	252
3.497		19379	19409
3.534		1495	805
3.554		24276	11046
3.566		23672	10419
3.587		15330	7457
3.608		48099	49129
3.648		453	155
3.654		857	277
3.679		97808	70988
3.712		43401	32918
3.737		121021	72529
3.759		6167	3347
3.774		10019	5431
3.795		10511	6295
3.846		40960	26740
3.87		13120	9990
3.894		18153	12616
3.927		93671	59685
3.944		10541	4018

RT B	Compound B	Height B	Area B
3.959		23212	12265
3.988		24508	19081
4.029		68491	71477
4.068		9566	5887
4.083		225592	157519
4.111		14829	8094
4.133		3708	2325
4.148		47365	34437
4.187		233101	168737
4.224		25111	17231
4.244		109193	76103
4.289		72147	63235
4.314		5102	2247
4.332		150158	133978
4.379		10383	6040
4.404		46006	34364
4.45		147260	94952
4.481		596897	468203
4.509		170685	177565
4.564		1070807	865990
4.607		63172	46662
4.636		38000	26392
4.662		151552	111139
4.683		12894	5548
4.706		1137340	892027
4.768		1117	539
4.817		1093378	996382
4.874		179676	157823
4.913		311611	270166
4.95		714149	611282
4.983		1420182	1160689
5.024		657305	587063
5.088		1898	1719
5.128		309015	272126
5.18		1495646	1227781
5.205		17171	10130
5.255		618370	606020
5.291		189583	143755
5.317		158154	131926
5.372		2958413	2531998
5.413		53688	41954
5.45		199887	167000
5.484		2907	3319
5.565		47906	30073
5.588		1096445	903322
5.634		2016885	1943061
5.736		800	260
5.789		85556	74221
5.829		22145	16872
5.857		58030	46965
5.905		429854	384972
6.008		1080308	910467
6.039		56830	42310
6.12		1849	1091
6.146		872	328
6.209		395580	386778
6.309		1661	2382
6.374	DCB	12164	10681
6.417		1653	2250
6.497		1536	1667
6.549		3318	2988
6.616		1072	1090
6.679		1066	315
6.833		1058	240
6.858		5304	4704
6.979		1174	574

AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082

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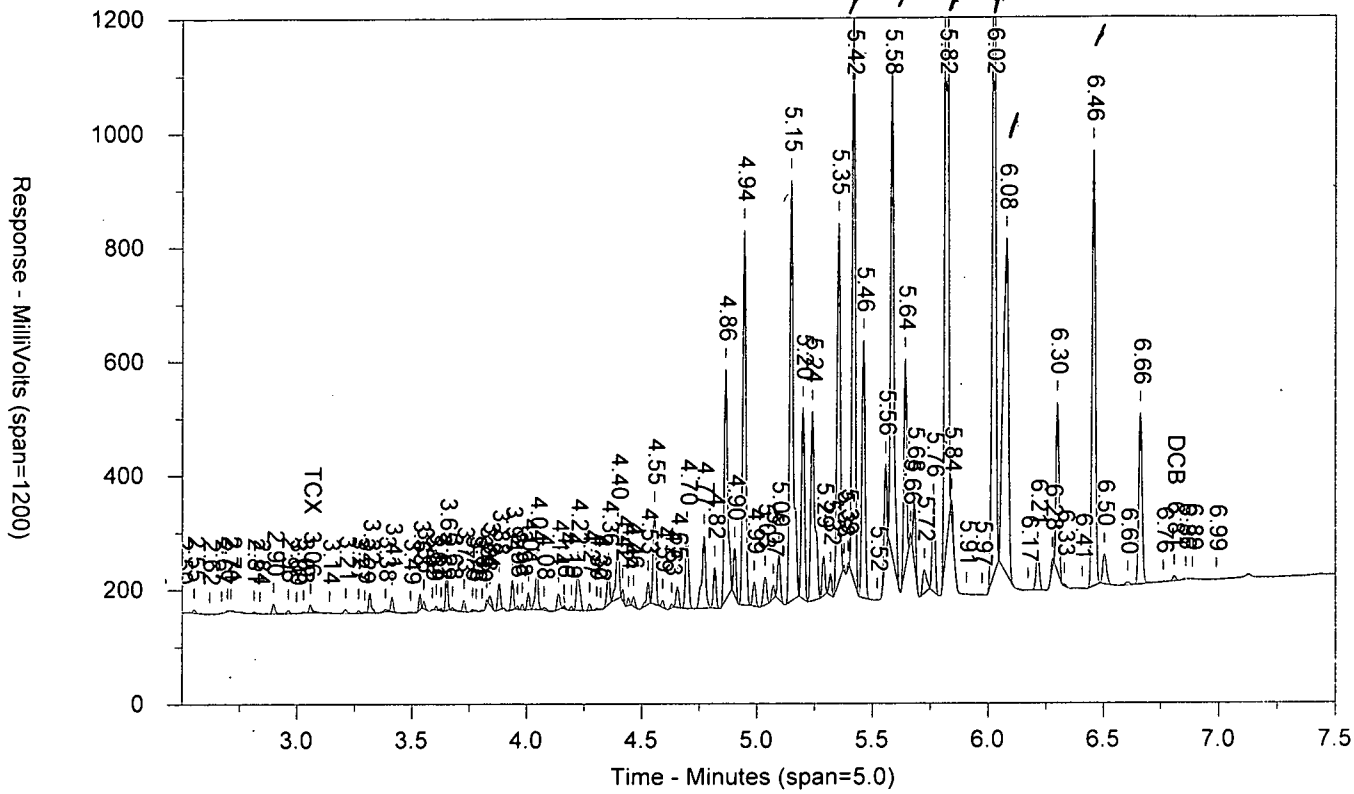

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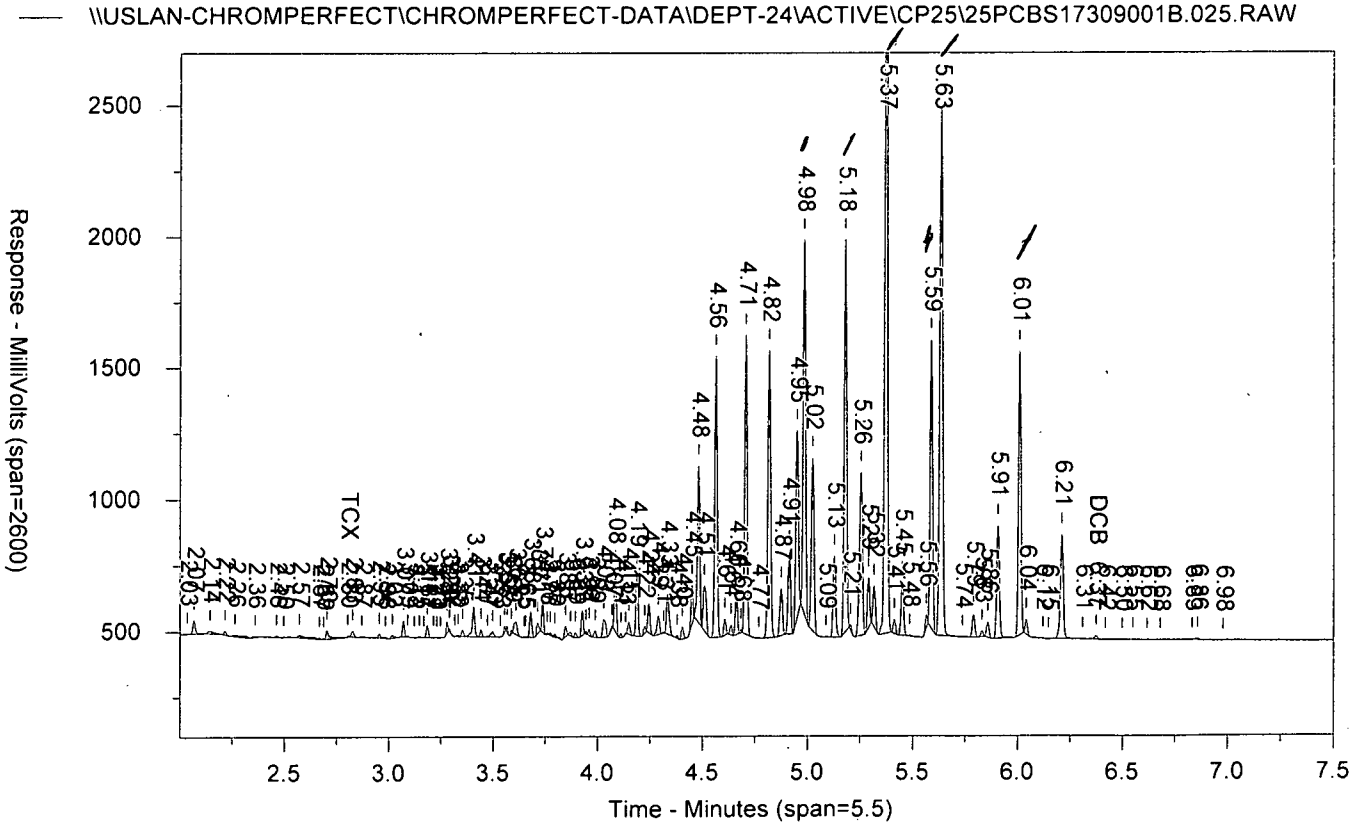

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:44:10 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
3.058	14238	.103	TCX	2.803	5408	.022	TCX
6.808	8519	.101	DCB	6.374	12164	.106	DCB

Files:
Area File: 25PCBS17309001.025.RAW
Area File: 25PCBS17309001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 10:52:42 PM
File Reported On: 11/7/2017 at 12:06:05 PM

AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082

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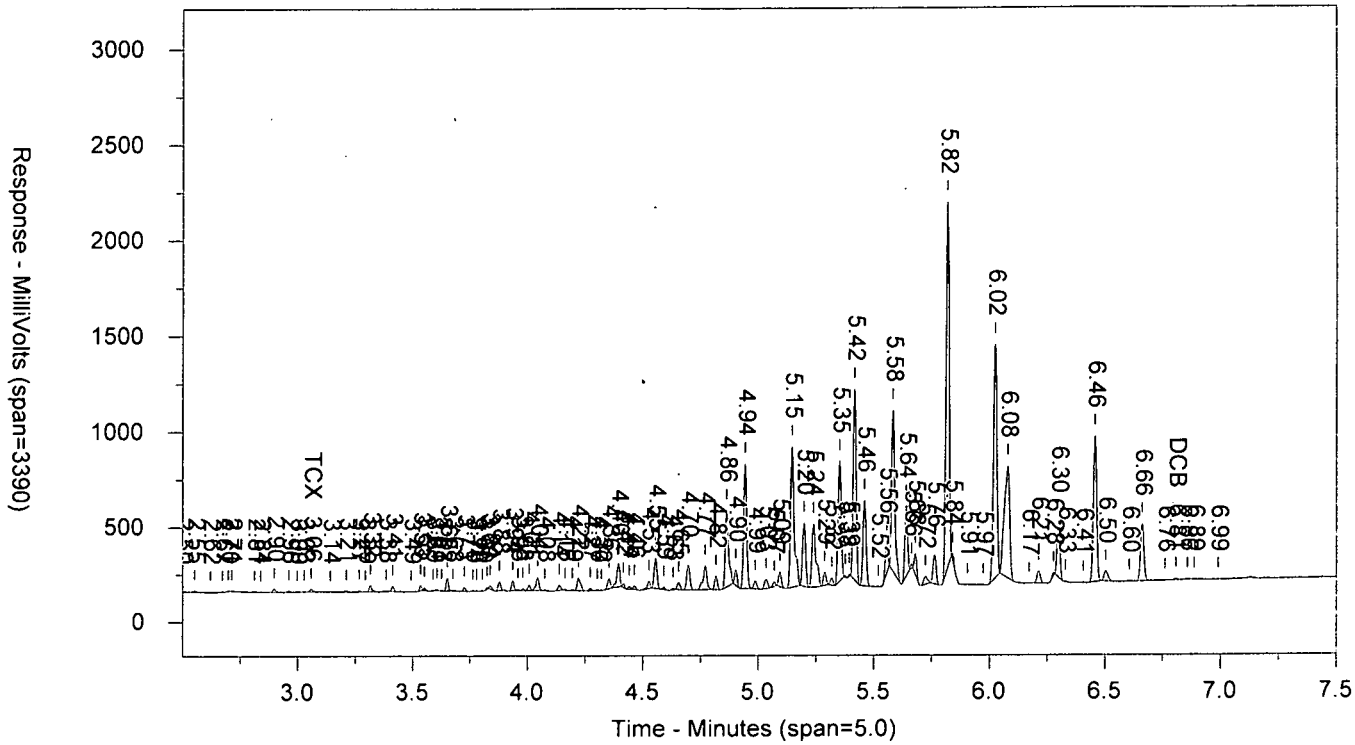

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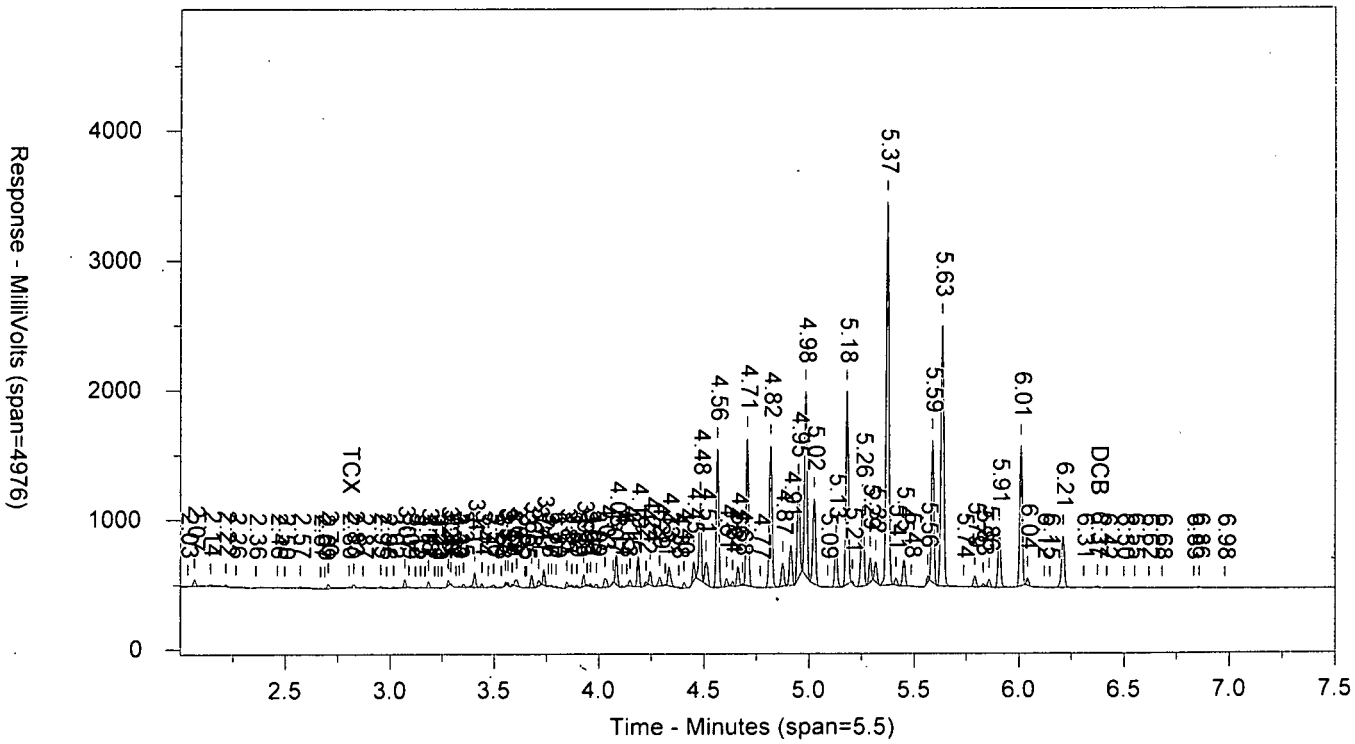

AR6231724A AAAR623AA ICAL 1730899999 10225 SW-846 8082

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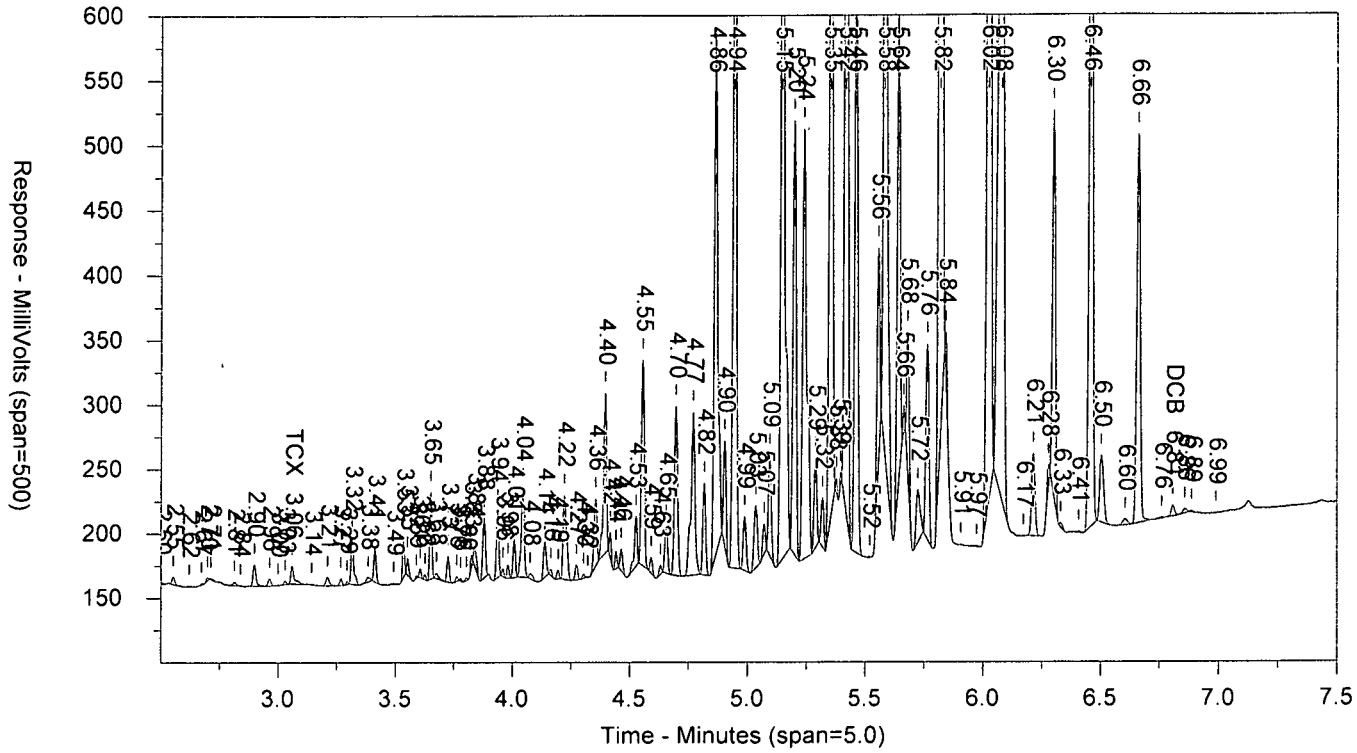

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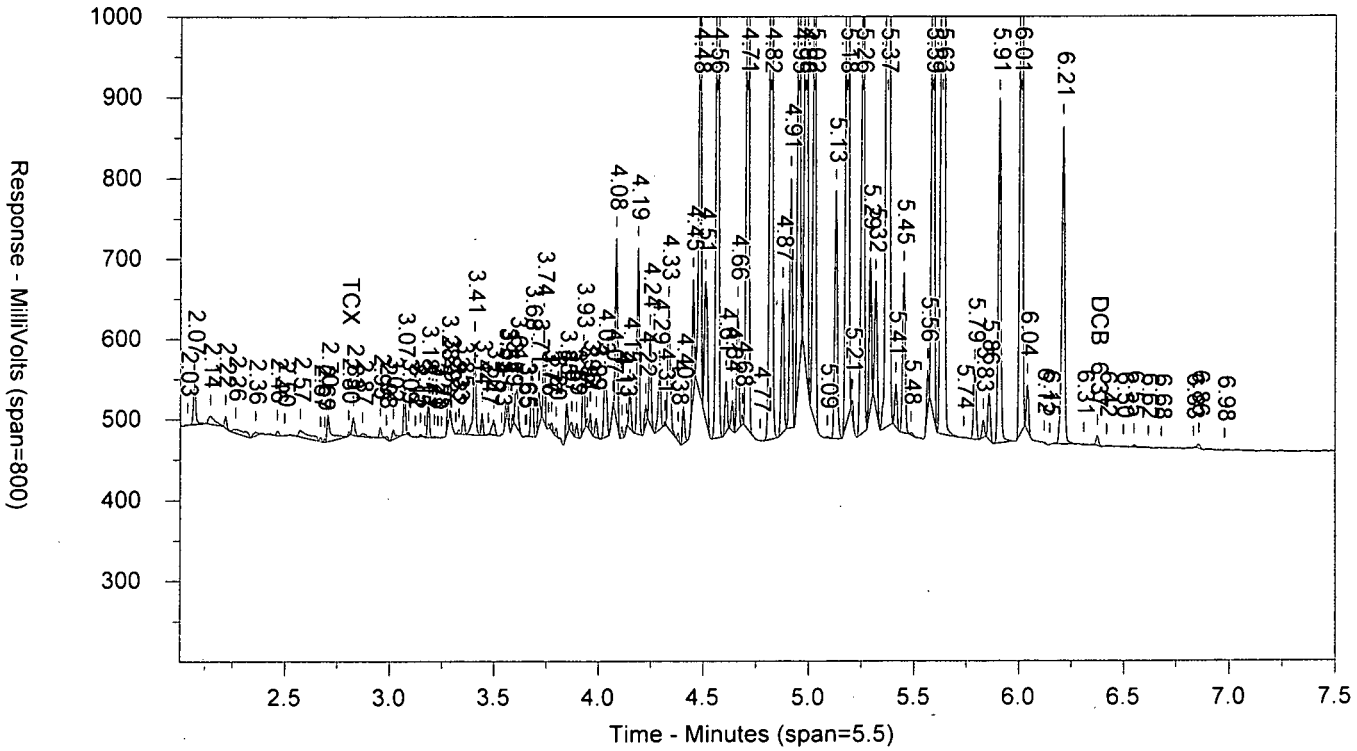


LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:55:30 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: 25PCBS17309001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.096		8772	9485
2.147		1144	812
2.211		4397	6561
2.269		834	362
2.435		23776	15827
2.499		1396	1577
2.553		5978	5922
2.672		857	493
2.699		2762	2032
2.721		1792	2355
2.799		912	900
2.898		13161	12277
2.962		4560	4251
3.017		480	694
3.058	TCX	9328	12174
3.142		480	496
3.21		2241	3182
3.267		1942	1642
3.315		23375	19866
3.384		3864	4591
3.412		21950	15164
3.486		933	806
3.514		328	91
3.533		7013	4118
3.552		2573	2133
3.605		7796	7841
3.626		1871	921
3.65		47273	31412
3.676		3682	4454
3.724		16295	11636
3.762		1267	847
3.805		1967	1557
3.824		2361	1056
3.838		3955	4349
3.879		30160	23730
3.935		34490	26376
3.979		16011	11367
4.006		9406	7179
4.043		14503	12695
4.074		5119	6211
4.135		8170	5782
4.161		3008	2219
4.192		2362	1576
4.22		48602	56861
4.272		15222	11819
4.3		1820	1352
4.352		31641	25595
4.376		27691	33898
4.415		22184	14931
4.439		6579	4063
4.461		20166	15766
4.549		37368	46747
4.648		15592	14238
4.694		105828	97693

RT A	Compound A	Height A	Area A
4.753		15421	10742
4.767		4230	2469
4.815		5501	4822
4.862		5288	4822
4.903		20141	17107
4.941		16116	14577
4.986		69657	63278
5.031		12652	12143
5.069		102643	95223
5.106		3246	2901
5.145		3555	2420
5.163		9423	7157
5.196		49559	44061
5.237		7024	4787
5.255		6140	4346
5.283		760	346
5.31		58569	54345
5.349		15447	14491
5.395		10698	6466
5.416		344758	312428
5.459		32086	28573
5.52		584	410
5.554		30542	24146
5.597		434824	486965
5.66		149592	154726
5.719		38194	36087
5.761		2755	1982
5.817		183396	148866
5.84		119569	98299
5.92		1412	1470
5.978		710	526
6.021		2093383	1995803
6.08		1783839	1919446
6.213		1686736	1659771
6.278		466633	504228
6.332		3237	2655
6.37		1308	778
6.407		1084	547
6.455		758207	746149
6.499		3964	3240
6.536		4209	4425
6.579		368	159
6.606		3029	3870
6.658		6034256	5855334
6.741		1960	2096
6.808	DCB	1215020	1224821
6.851		1399	1198
6.883		4986	4530
6.96		1337	1882

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:55:30 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: 25PCBS17309001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

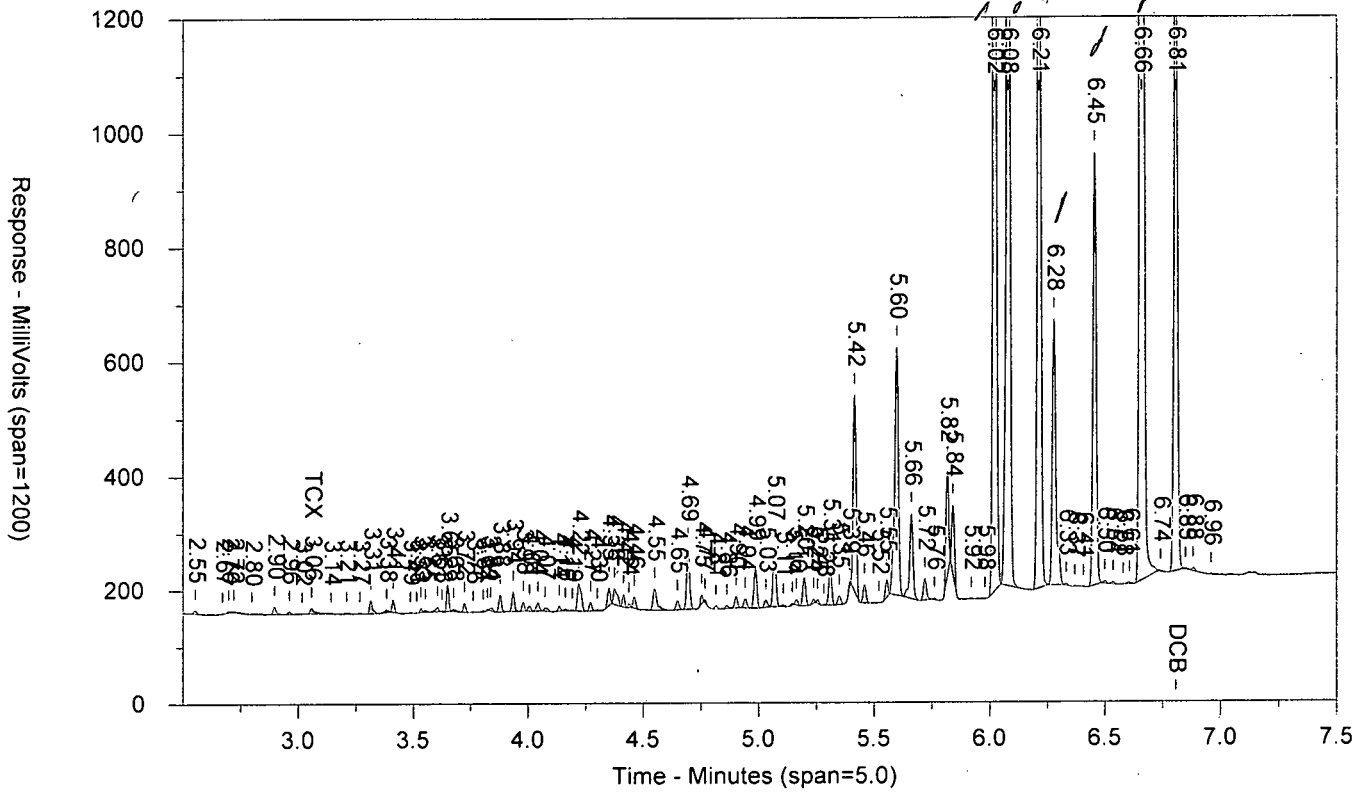
RT B	Compound B	Height B	Area B
2.023		1976	1474
2.067		46893	36122
2.141		11590	39477
2.257		1514	1400
2.357		4442	5207
2.39		2165	1770
2.462		4770	4547
2.521		1715	2056
2.571		8661	50629
2.67		9625	11466
2.704		23956	19470
2.746		2291	2050
2.786	TCX	1616	707
2.826		14666	14165
2.868		4034	6032
2.954		5026	7989
3.018		3359	2431
3.07		43526	30655
3.118		1004	278
3.123		880	309
3.133		821	153
3.143		778	238
3.149		1210	271
3.164		791	212
3.183		41854	27619
3.213		2043	1514
3.232		454	104
3.243		805	106
3.248		895	170
3.258		599	125
3.279		10883	5600
3.29		1778	525
3.303		1987	670
3.318		667	269
3.331		2709	1518
3.353		14889	9738
3.391		3385	1675
3.406		76095	46798
3.441		7936	4216
3.463		699	167
3.468		574	103
3.496		27316	20709
3.521		1200	300
3.537		429	100
3.554		15461	15354
3.586		7283	3213
3.609		40095	30727
3.653		954	500
3.678		62804	41126
3.711		4145	2514
3.722		16537	7453
3.736		22491	10890
3.773		14317	10552
3.845		17716	13181

RT B	Compound B	Height B	Area B
3.87		6975	4284
3.892		8756	6418
3.925		72325	46648
3.942		2848	812
3.958		36069	22239
3.987		26727	19114
4.035		58845	52880
4.067		20605	14024
4.085		36210	25647
4.109		9224	4704
4.146		38101	37491
4.186		5586	3562
4.226		6346	3543
4.241		46276	33165
4.29		37226	27101
4.313		10316	4975
4.33		120217	86719
4.356		9823	5022
4.377		32216	21448
4.401		5210	3199
4.449		23766	22313
4.478		5420	2629
4.51		5388	5274
4.564		49240	47110
4.605		102452	80847
4.633		6561	4538
4.66		9968	5585
4.681		126652	104031
4.723		1623	1350
4.816		89914	85607
4.87		24805	26894
4.922		79710	75022
4.948		9020	5922
4.981		520739	473380
5.021		37431	28182
5.126		49311	41781
5.178		731296	634396
5.204		6133	3369
5.244		206542	187821
5.289		3057	1912
5.306		3788	1896
5.324		31325	23962
5.37		301156	263485
5.448		231137	193172
5.484		2688	2438
5.528		2119	1241
5.562		20555	12306
5.586		3045570	2489844
5.633		2963274	2491823
5.737		1690	1656
5.788		2450909	2098315
5.855		625941	545187
5.904		77434	68129
5.97		1140	692
6.007		1053794	901993
6.036		3856	2619
6.136		3945	2518
6.208		8600677	7310628
6.371	DCB	1694582	1535645
6.529		1263	628
6.547		7628	6114
6.661		1194	387
6.693		1314	357
6.713		5714	5540
6.823		715	354
6.855		5522	5118

RT B	Compound B	Height B	Area B
6.973		1351	1003

AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.026.RAW



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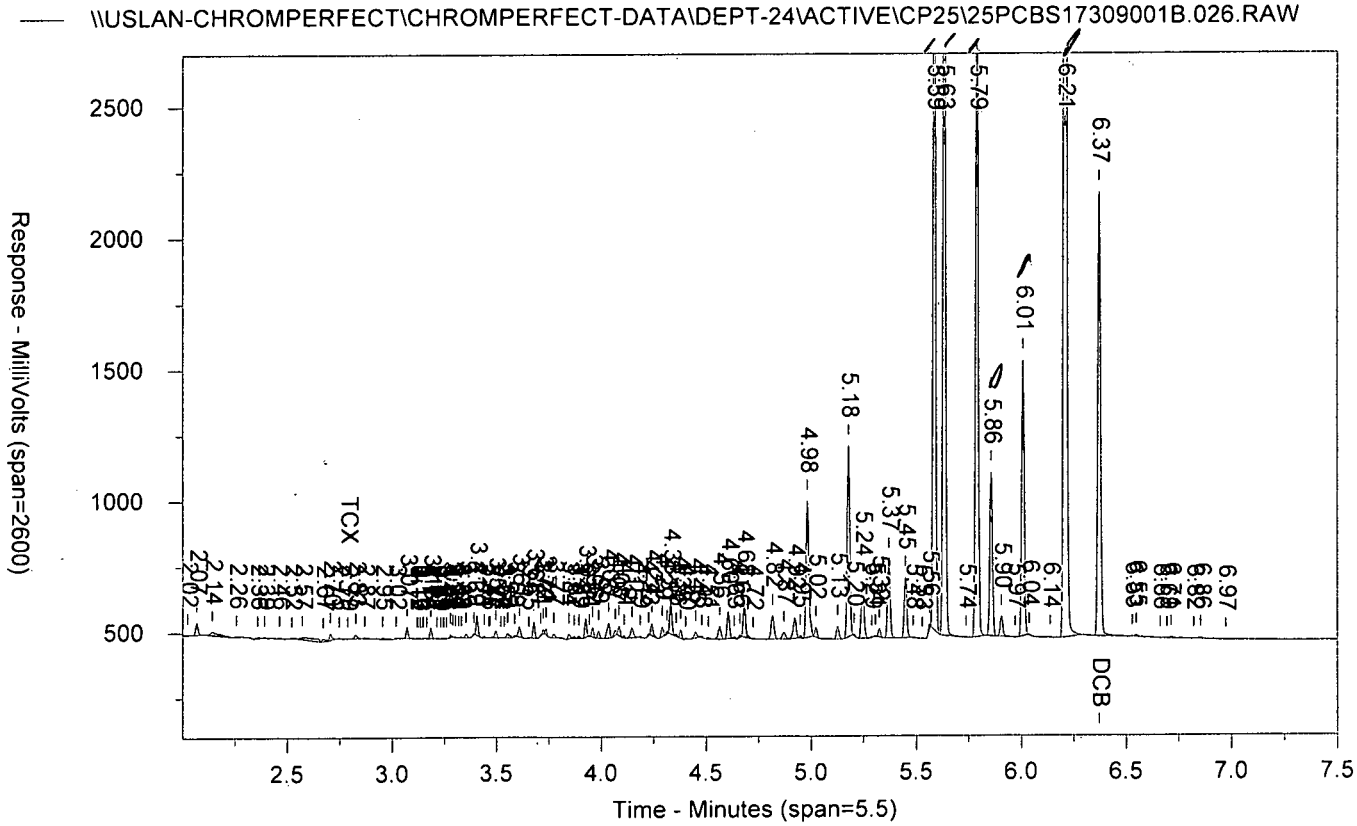

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 10:55:30 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
3.058	9328	.068	TCX	2.786	1616	.007	TCX
6.808	1215020	14.472	DCB	6.371	1694582	14.753	DCB

Files:
Area File: 25PCBS17309001.026.RAW
Area File: 25PCBS17309001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 11:04:01 PM
File Reported On: 11/7/2017 at 12:06:43 PM

AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082

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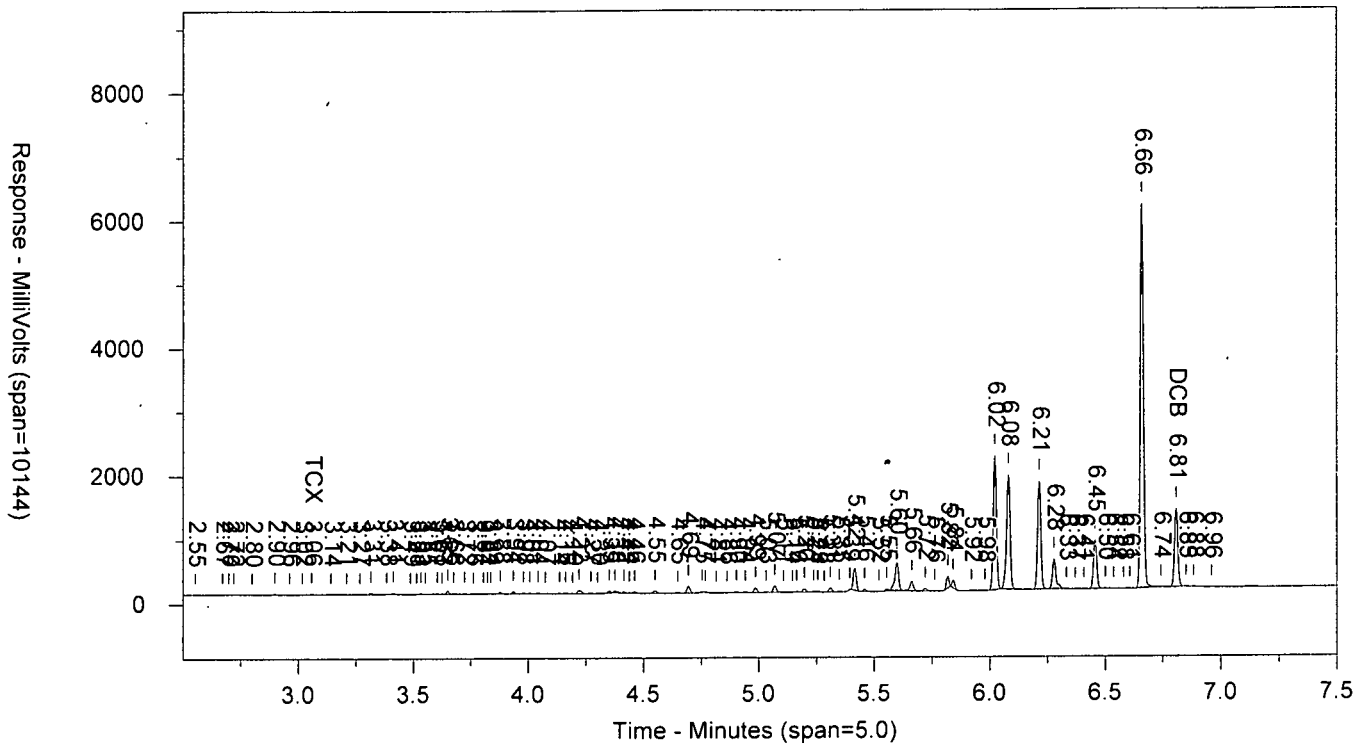

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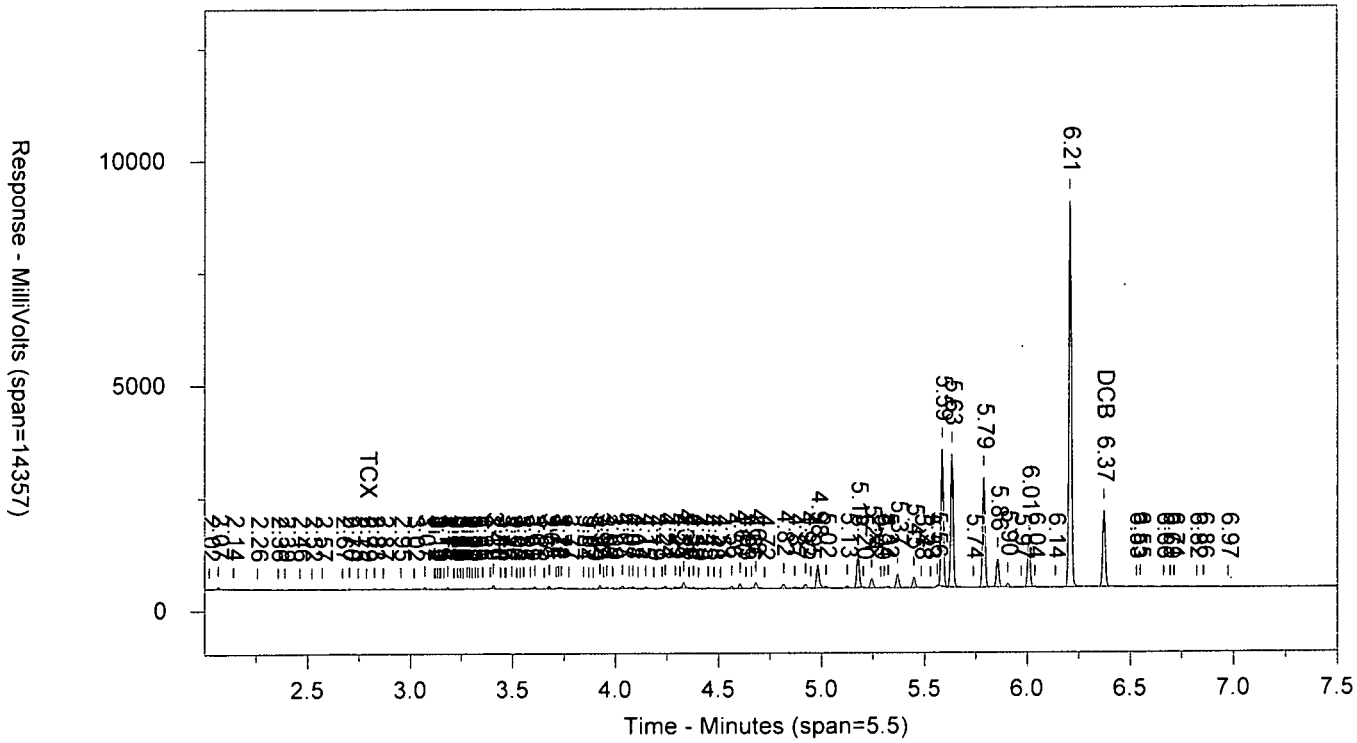

AR6831724B AAAR683AA ICAL 1730899999 10225 SW-846 8082

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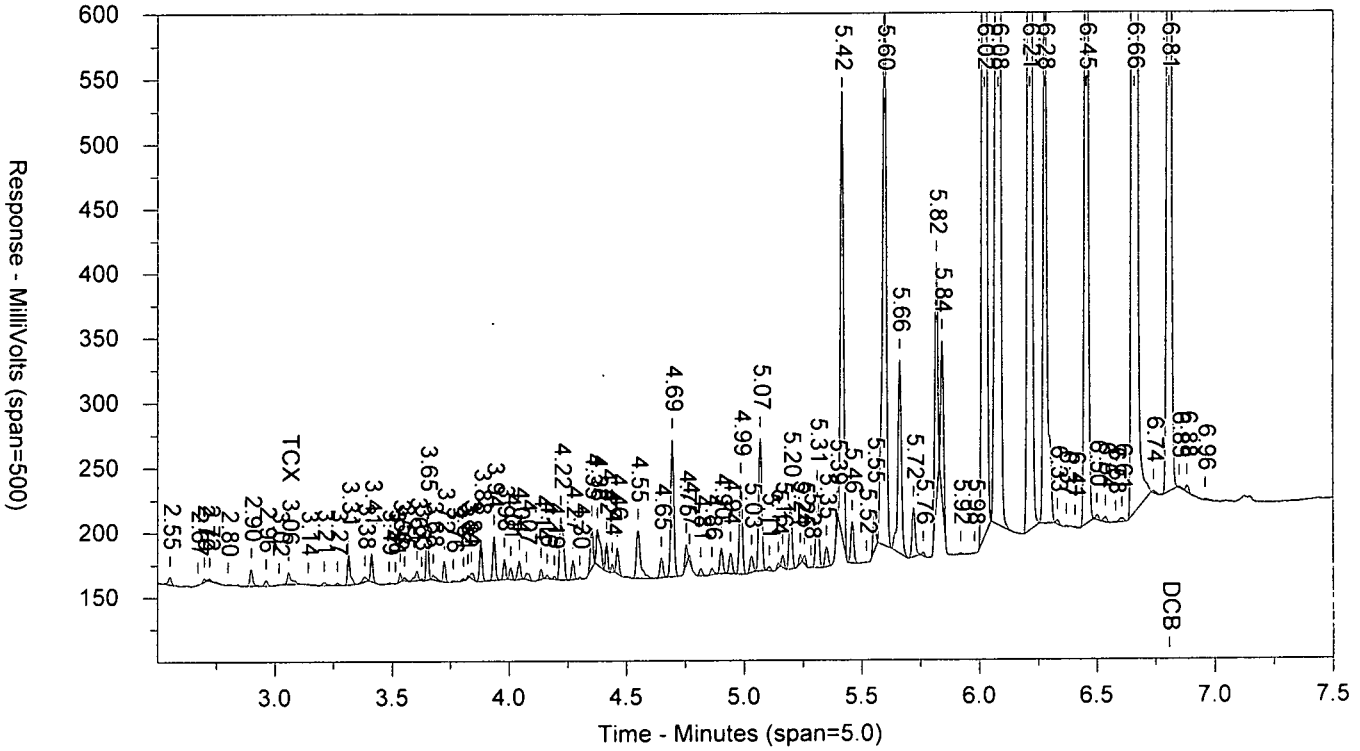

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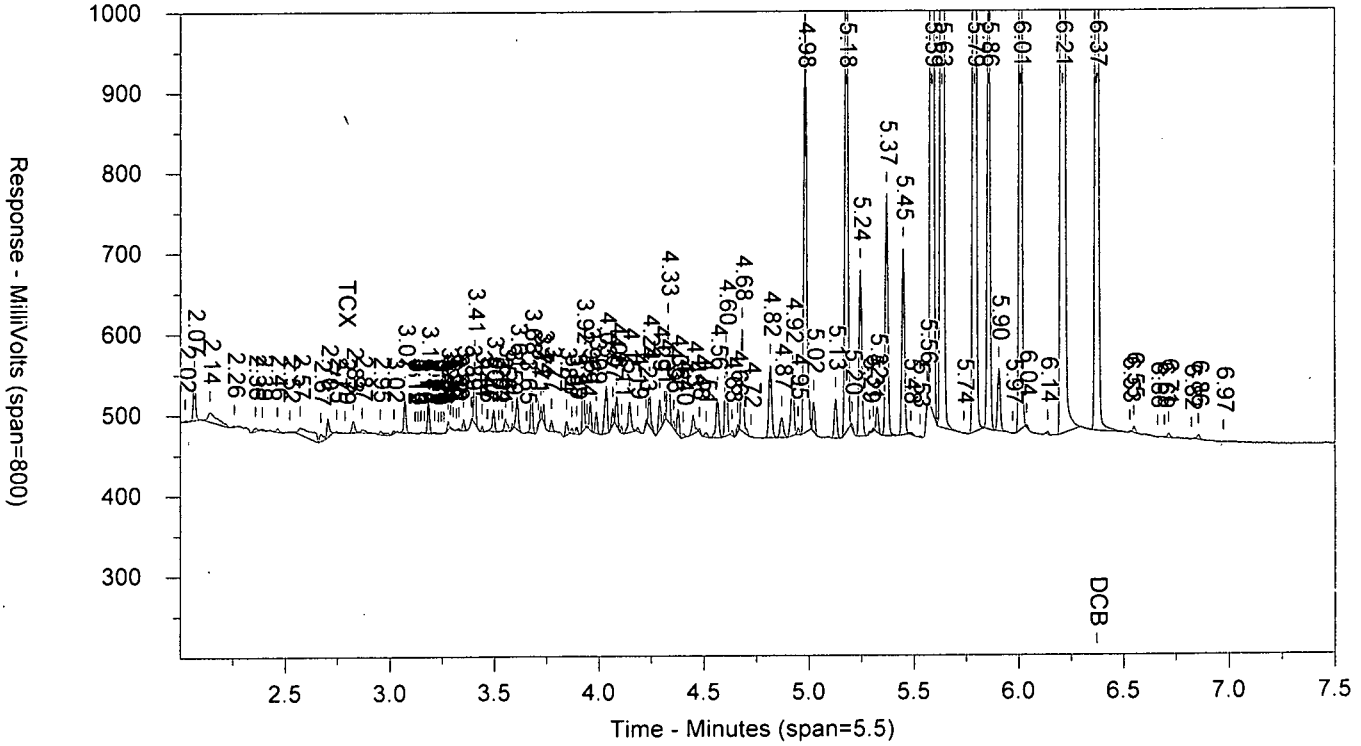

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:06:48 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: 25PCBS17309001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.026		1656	1323
2.076		538	363
2.097		7706	8076
2.148		942	989
2.214		5460	9821
2.276		3537	6837
2.347		23610	17804
2.436		19151	12124
2.458		10070	8194
2.497		1259	1511
2.554		8696	7400
2.651		445	149
2.673		1388	712
2.693		198753	141569
2.802		699	906
2.841		827	632
2.899		13810	11687
2.934		2471	1419
2.973		56727	40083
3.058	TCX	5608409	3694171
3.16		1856	1184
3.21		227629	190442
3.267		200952	168340
3.315		631186	440408
3.392		11543	9208
3.411		8765	5336
3.453		504	267
3.533		43615	25710
3.551		25564	33656
3.588		4059	1783
3.605		1312	604
3.62		65211	42608
3.651		59653	40066
3.677		2414	2332
3.709		17899	10319
3.725		5798	2877
3.762		10920	6274
3.778		9629	5105
3.806		1261	850
3.825		22313	11365
3.837		44048	23911
3.877		58653	45510
3.912		1106	697
3.938		43380	32564
3.98		5091	3432
4.006		13984	10024
4.035		8293	7219
4.058		2095	924
4.137		12992	9270
4.164		4756	3712
4.193		4216	2831
4.232		25983	26935
4.272		5515	4411
4.351		24563	24541

RT A	Compound A	Height A	Area A
4.395		6654	4735
4.416		13054	8830
4.439		7997	4841
4.463		19903	15704
4.55		11479	10311
4.572		2990	1595
4.65		3382	3272
4.699		14417	14711
4.73		632	222
4.755		8243	11329
4.816		3660	3255
4.903		4869	5353
4.938		1004	1046
4.989		2280	2618
5.034		1786	1682
5.07		34554	32162
5.106		3128	2897
5.163		1663	1354
5.198		2066	1823
5.234		1769	1476
5.257		3940	2935
5.311		56815	53626
5.356		1554	1478
5.414		4989	6926
5.465		403	226
5.478		681	259
5.529		394	895
5.598		1449	4163
5.642		6270	14000
5.721		15609	20428
5.788		607	331
5.818		726	412
5.842		37914	34466
5.935		1703	1810
6.024		1745	1577
6.046		2645	2649
6.084		1038	544
6.113		596	275
6.178		696	985
6.214		26127	25828
6.279		23237	19320
6.299		2792	1513
6.331		3222	3778
6.417		474	1324
6.464		1325	1684
6.492		836	943
6.523		777	212
6.559		609	213
6.601		2695	3848
6.66		37213	37049
6.699		1172	988
6.736		555	344
6.762		1521	1639
6.808	DCB	3217354	3226244
6.994		558	266

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:06:48 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: 25PCBS17309001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.024		2133	1905
2.076		51435	81056
2.14		15735	38145
2.207		20007	20599
2.259		2152	3344
2.302		8690	11630
2.354		8207	8056
2.386		1775	1945
2.457		308774	226900
2.513		1988	1746
2.569		12677	27088
2.671		4397	5790
2.703		26574	18540
2.734		91330	60220
2.78	TCX	10004050	6189295
2.822		124896	105757
2.953		446501	310594
3.002		40769	19741
3.014		260544	138602
3.068		1127428	710355
3.121		21268	12582
3.149		678	138
3.158		1227	416
3.182		19668	12593
3.215		1961	1132
3.234		667	285
3.24		763	178
3.26		2384	1543
3.278		61517	31305
3.29		16898	5294
3.3		18113	6807
3.322		38025	29655
3.352		16457	10083
3.379		116927	72681
3.404		90506	58874
3.44		7305	3412
3.454		713	144
3.469		39814	21505
3.486		15544	6790
3.502		18629	10303
3.533		1150	320
3.554		45744	22215
3.565		73682	33533
3.584		1527	410
3.6		83338	68419
3.651		671	557
3.676		77025	49747
3.71		18354	10165
3.723		1369	535
3.734		19373	10027
3.753		6607	3082
3.776		3544	2567
3.79		466	99
3.812		1840	1245

RT B	Compound B	Height B	Area B
3.844		27550	18308
3.87		9981	6272
3.892		12457	8570
3.925		12891	7313
3.943		21948	11916
3.957		10045	4747
3.987		8412	5218
4.036		3338	2397
4.058		11080	7371
4.083		25547	19004
4.109		13593	7484
4.147		39334	36534
4.186		5407	3755
4.225		8869	5221
4.241		5881	2555
4.254		3586	1914
4.291		42438	38433
4.331		2782	1762
4.356		10202	6340
4.377		10913	6942
4.406		2038	1117
4.417		971	380
4.45		7510	13830
4.567		5954	4560
4.602		4028	3133
4.633		3379	2581
4.681		41913	35883
4.771		1428	896
4.824		7292	10999
4.873		10019	11865
4.923		77430	67166
5.044		851	2395
5.096		1678	1616
5.18		3535	2545
5.201		1804	1487
5.247		3366	3795
5.288		2765	2601
5.327		19259	17449
5.371		2305	3026
5.426		1092	261
5.448		47225	41097
5.486		3107	2946
5.584		3771	2308
5.609		1915	1291
5.632		4759	4852
5.697		899	577
5.788		33184	30889
5.855		33800	29003
5.905		10498	9909
5.971		1247	1034
6.021		1102	289
6.158		2318	2609
6.208		46579	41660
6.241		2077	2279
6.279		1269	344
6.317		834	461
6.371	DCB	4511548	3999707
6.528		1343	995
6.604		1295	372
6.624		1423	791
6.649		754	364
6.669		1032	820
6.761		1492	1645
6.824		4354	4043
6.854		5393	5374
6.952		1517	517

AR2141724A AAAR214AA ICAL 1730899999 10225 SW-846 8082

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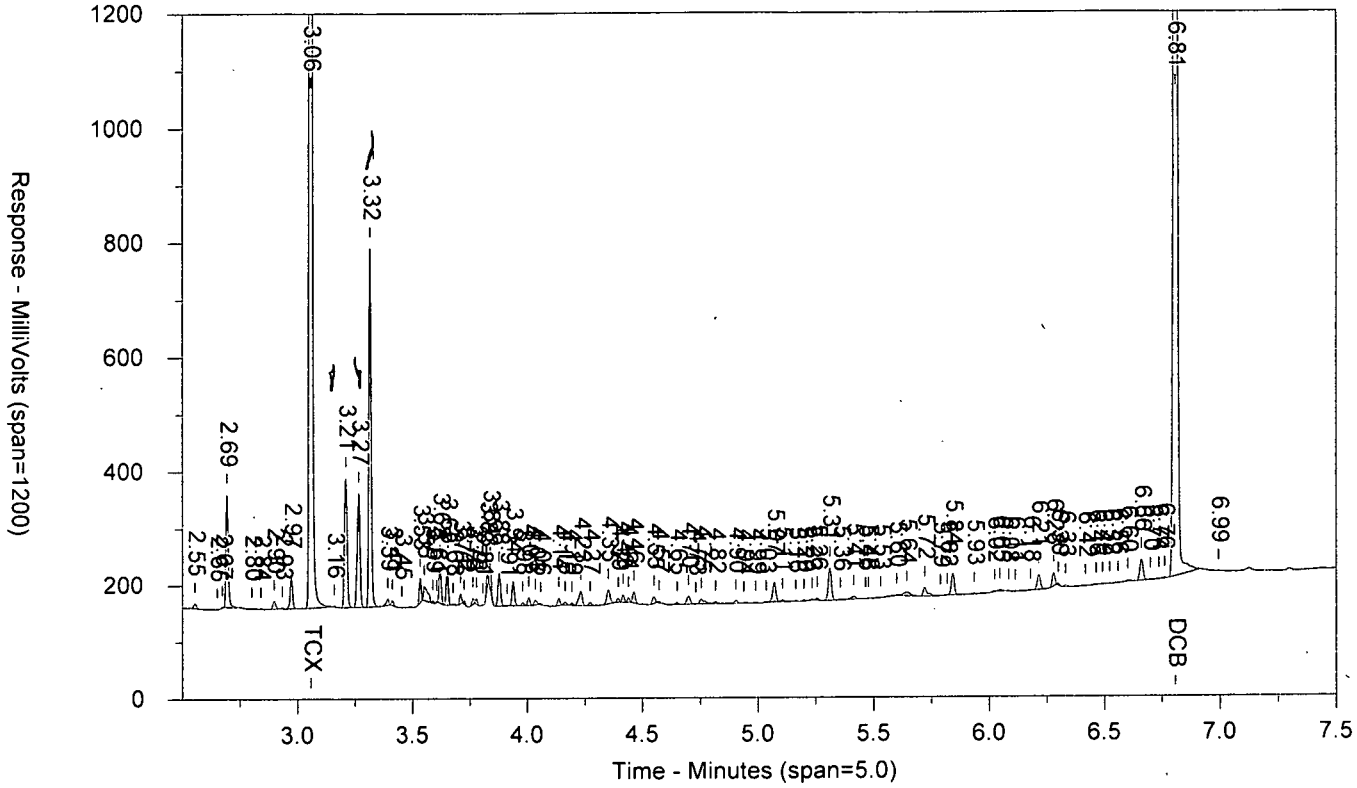

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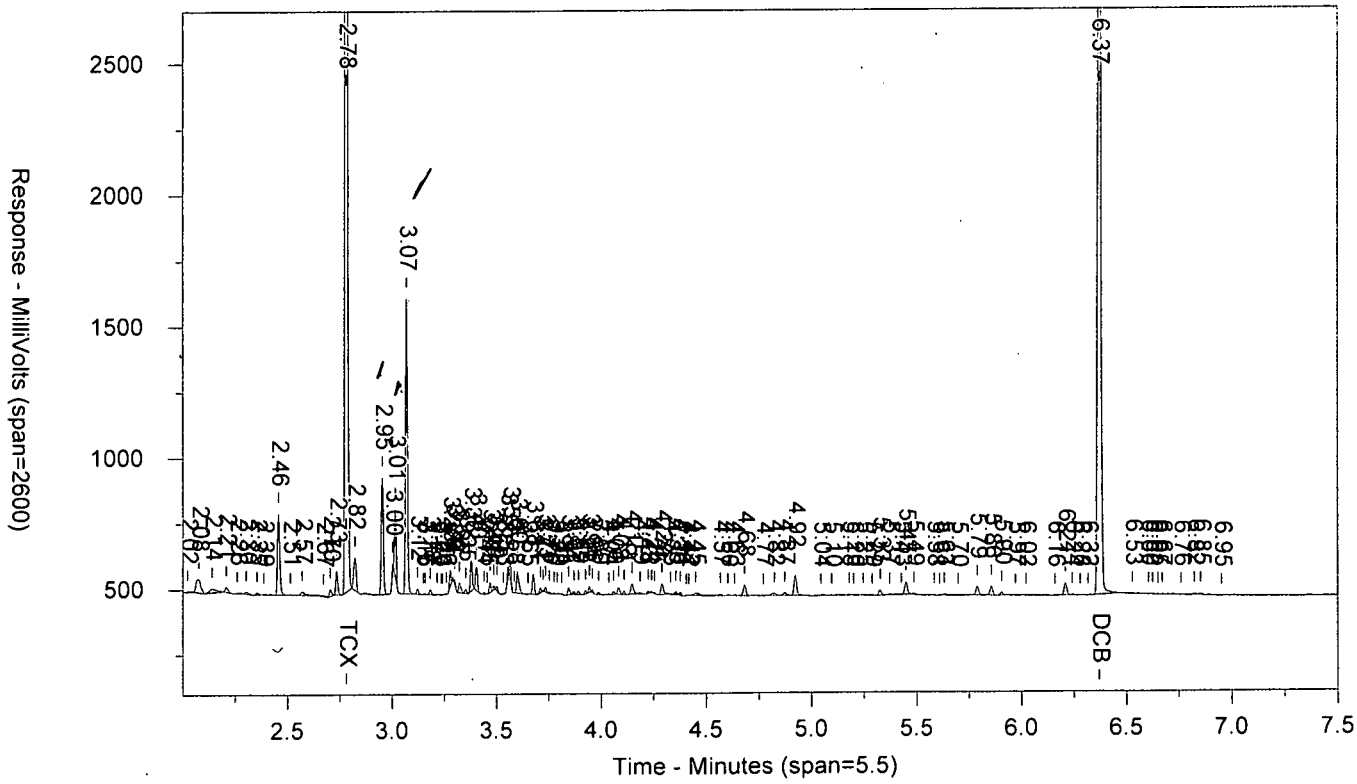

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:06:48 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
3.058	5608409	40.686	TCX	2.78	10004050	41.037	TCX
6.808	3217354	38.321	DCB	6.371	4511548	39.279	DCB

Files:
Area File: 25PCBS17309001.027.RAW
Area File: 25PCBS17309001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 11:15:19 PM
File Reported On: 11/7/2017 at 12:07:16 PM

AR2141724A AAAR214AA ICAL 1730899999 10225 SW-846 8082

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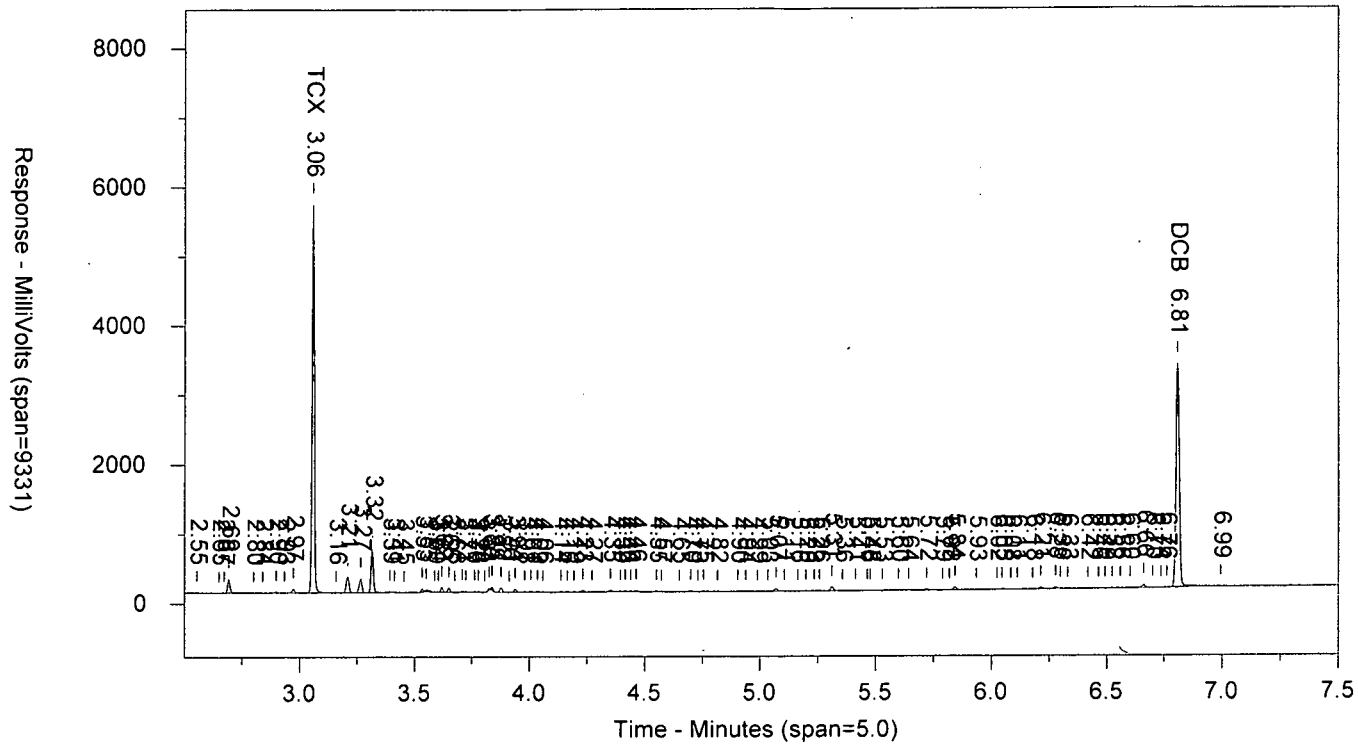

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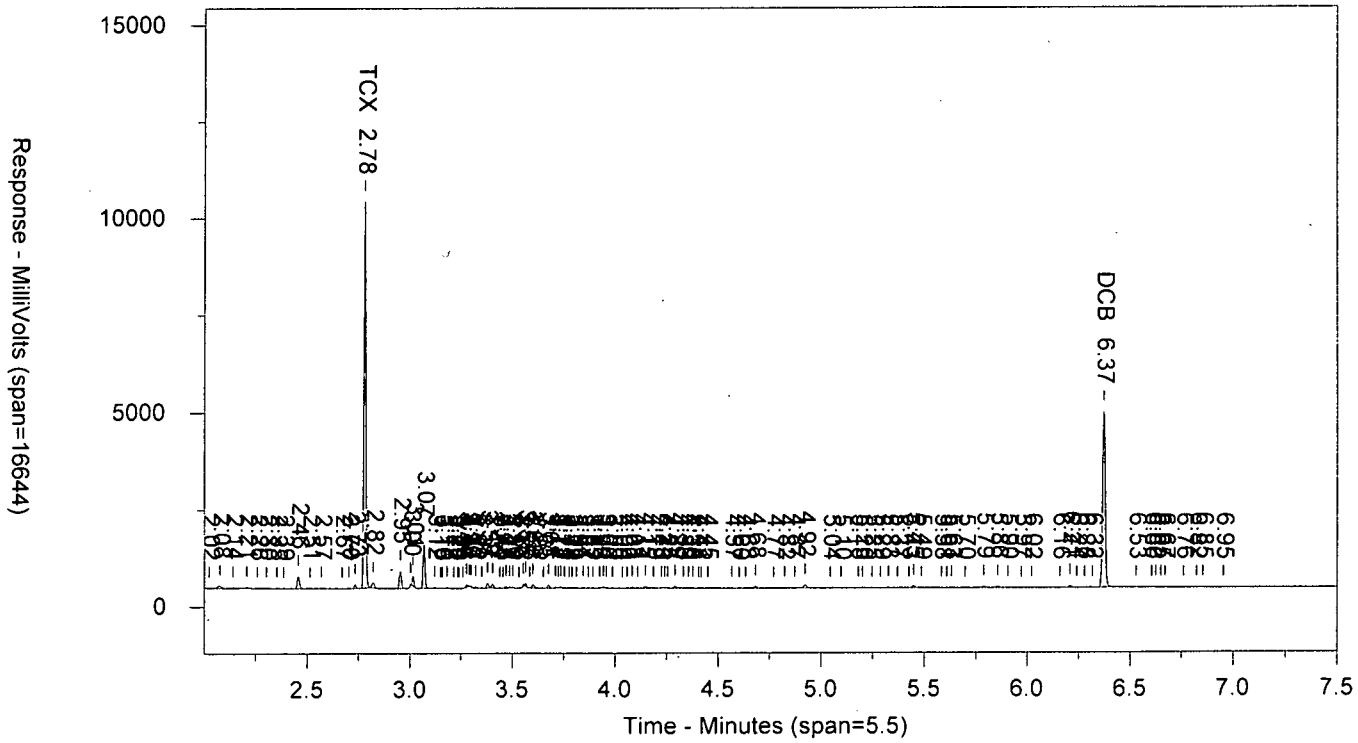

AR2141724A AAAR214AA - ICAL 1730899999 10225 SW-846 8082

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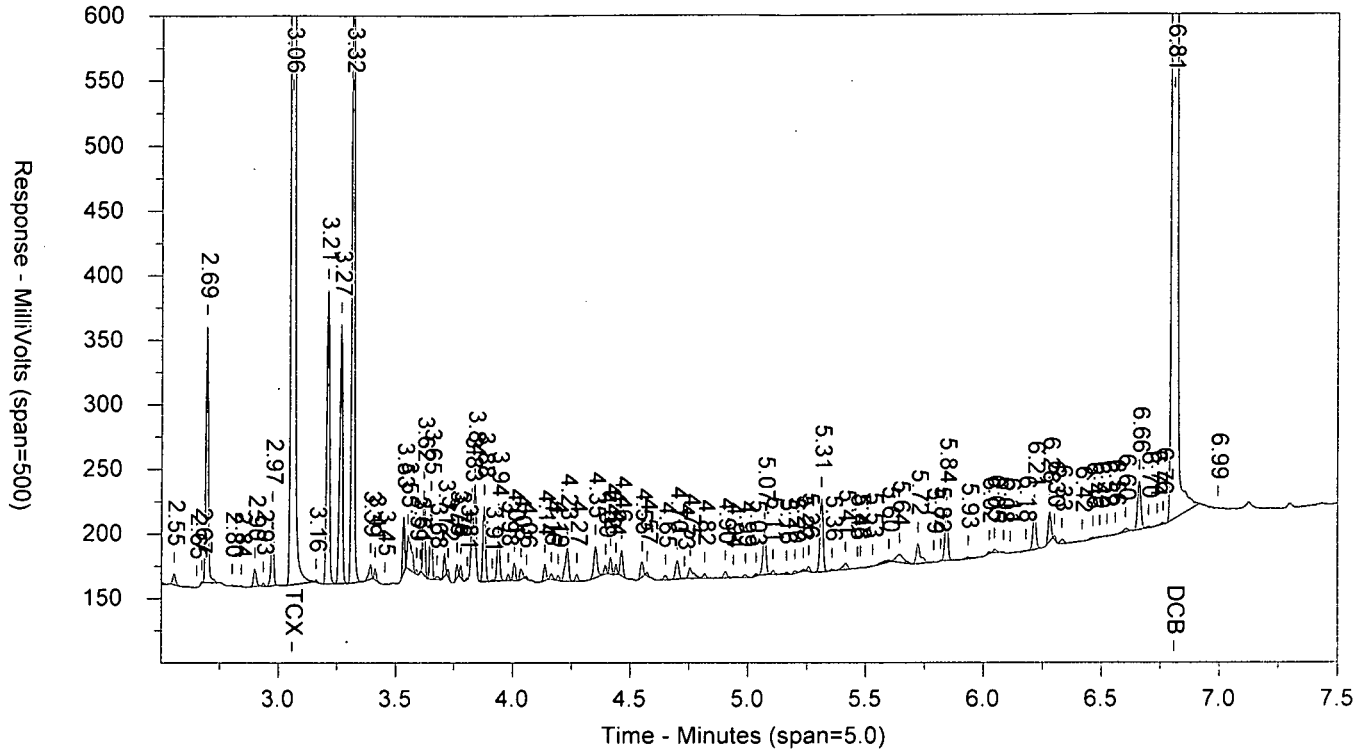

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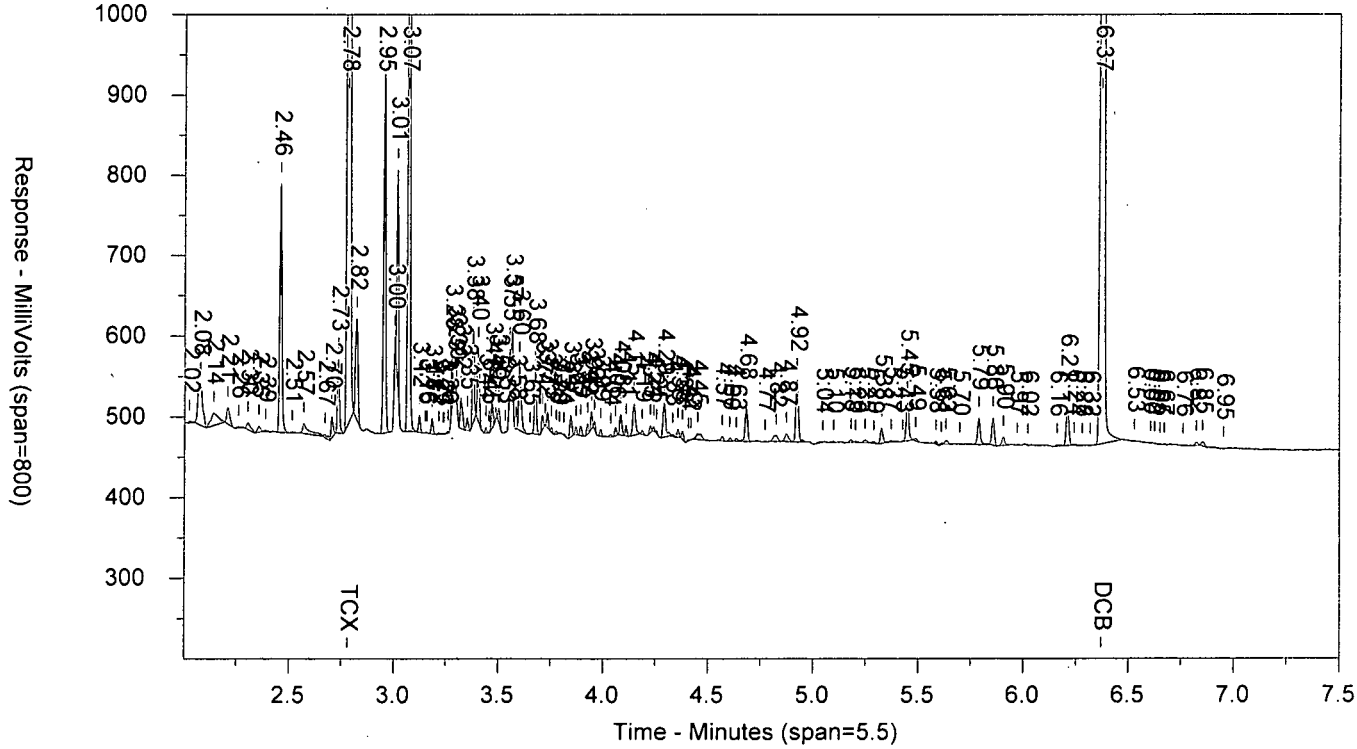

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:18:07 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: 25PCBS17309001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		977	1077
2.079		485	558
2.097		8630	9422
2.145		1027	1082
2.213		5614	9987
2.278		3485	6612
2.347		22523	17927
2.379		1639	996
2.436		26072	16777
2.459		9164	7112
2.504		1374	1672
2.532		474	219
2.555		9485	8277
2.604		489	281
2.639		581	411
2.673		1668	1094
2.694		119563	94800
2.801		710	726
2.842		1202	664
2.899		16283	13867
2.973		31917	23433
3.058	TCX	5460291	3671052
3.16		1872	2151
3.21		156829	135852
3.267		157359	137112
3.316		512578	363160
3.392		9929	7471
3.412		31263	19388
3.491		939	1312
3.533		213051	127999
3.551		105685	57225
3.588		24474	13138
3.605		8781	3684
3.62		43664	27424
3.652		263048	188344
3.71		16433	8884
3.725		13089	7264
3.762		53950	31622
3.778		31028	15803
3.825		121487	71301
3.837		216160	118377
3.877		272707	220810
3.938		226688	176629
3.98		20087	13729
4.006		139217	101229
4.035		103263	91234
4.057		32180	16943
4.137		161046	115311
4.162		59465	39257
4.193		65067	47196
4.23		177119	182558
4.272		55905	43775
4.318		8603	6202
4.353		29328	32593

RT A	Compound A	Height A	Area A
4.394		109067	76092
4.415		144416	96836
4.44		164256	124102
4.463		11112	6895
4.506		9268	11432
4.55		136168	108741
4.573		71432	55590
4.632		2479	1600
4.654		5126	4722
4.699		38027	33734
4.753		41030	35309
4.786		19052	13397
4.816		58017	48806
4.863		3519	3243
4.903		34915	29590
4.942		6637	7538
4.993		6811	6620
5.036		38852	33077
5.07		32807	28295
5.108		3431	4409
5.145		6030	4473
5.166		3608	2077
5.201		3825	3904
5.237		42052	42576
5.311		58099	55098
5.353		10472	9547
5.374		1130	423
5.414		7096	8538
5.478		2366	3868
5.524		397	191
5.564		1314	1279
5.582		2768	2168
5.642		6842	10401
5.721		12219	10270
5.818		4340	2796
5.841		33776	29398
5.884		297	122
5.916		422	394
5.944		562	666
6.025		3829	3161
6.046		2642	3860
6.153		495	1741
6.213		24285	23743
6.253		528	151
6.279		21582	18165
6.298		2849	1689
6.332		3734	4237
6.372		606	218
6.424		501	1139
6.454		2496	2717
6.484		560	401
6.501		674	230
6.524		626	160
6.557		587	795
6.603		3858	4856
6.66		32454	33168
6.7		547	484
6.73		321	258
6.76		1124	1193
6.807	DCB	3353517	3255135
6.919		1271	699

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:18:07 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: 25PCBS17309001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		2023	2095
2.067		57827	84163
2.142		12573	28377
2.208		19231	20659
2.26		2240	2573
2.302		8009	11356
2.354		8169	17583
2.457		186882	146067
2.569		13232	37333
2.67		4928	3458
2.704		31555	23415
2.734		52812	34724
2.781	TCX	9817123	6154937
2.823		108463	90418
2.868		3476	5369
2.953		319021	221386
3.002		42623	20505
3.014		183927	92067
3.068		902937	580994
3.121		21233	14006
3.147		901	188
3.181		62690	40660
3.208		757	141
3.212		853	419
3.239		545	88
3.254		3517	2411
3.278		308995	158664
3.29		106887	41009
3.33		56421	42621
3.352		43469	25726
3.379		84043	48137
3.403		411155	284538
3.44		21107	11107
3.454		3592	930
3.469		35123	17273
3.486		93682	49305
3.502		59657	29945
3.526		1565	628
3.534		917	138
3.554		255547	121464
3.565		396557	183248
3.585		14440	5610
3.599		415371	295325
3.643		879	245
3.676		397396	266989
3.709		231930	138775
3.734		260249	153210
3.753		86086	45644
3.776		3849	2034
3.797		2441	4735
3.844		298228	214632
3.87		117523	69146
3.892		114892	72921
3.924		75147	39721

RT B	Compound B	Height B	Area B
3.942		263281	170371
3.986		93313	71561
4.035		17341	11976
4.058		170312	110747
4.082		331981	225927
4.108		283338	188077
4.13		7427	3101
4.147		39501	26505
4.186		62110	47825
4.225		182276	136697
4.256		131554	83060
4.29		42999	44653
4.34		34749	32002
4.377		10193	6570
4.401		57189	44220
4.437		33228	24034
4.466		86827	66788
4.507		2818	2762
4.548		10139	6340
4.565		32231	22648
4.602		10123	8450
4.634		57416	44446
4.66		1620	668
4.681		36280	26691
4.702		6338	3634
4.734		5156	3152
4.762		3041	2363
4.814		17081	23167
4.867		58334	57185
4.922		69610	55984
4.948		12011	8333
4.979		3833	2647
5.022		4498	6215
5.069		861	367
5.087		1975	1913
5.126		2411	2390
5.181		7397	6431
5.204		3504	2387
5.249		4867	5047
5.289		3123	2197
5.325		17546	15895
5.371		9378	6924
5.448		44273	37573
5.487		3314	3661
5.574		5315	7371
5.614		959	660
5.632		8297	9174
5.706		744	424
5.721		1381	2739
5.788		31204	27946
5.856		31978	27069
5.904		11142	12459
5.978		1474	573
6.006		3118	2564
6.041		961	442
6.088		1289	403
6.108		1475	794
6.159		3696	4626
6.208		41184	35781
6.24		1298	627
6.304		1019	470
6.371	DCB	4447989	4003199
6.527		1384	2337
6.673		1449	1578
6.802		1175	352
6.826		3839	3124

RT B	Compound B	Height B	Area B
6.852		4528	4283
6.978		1148	502

AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082

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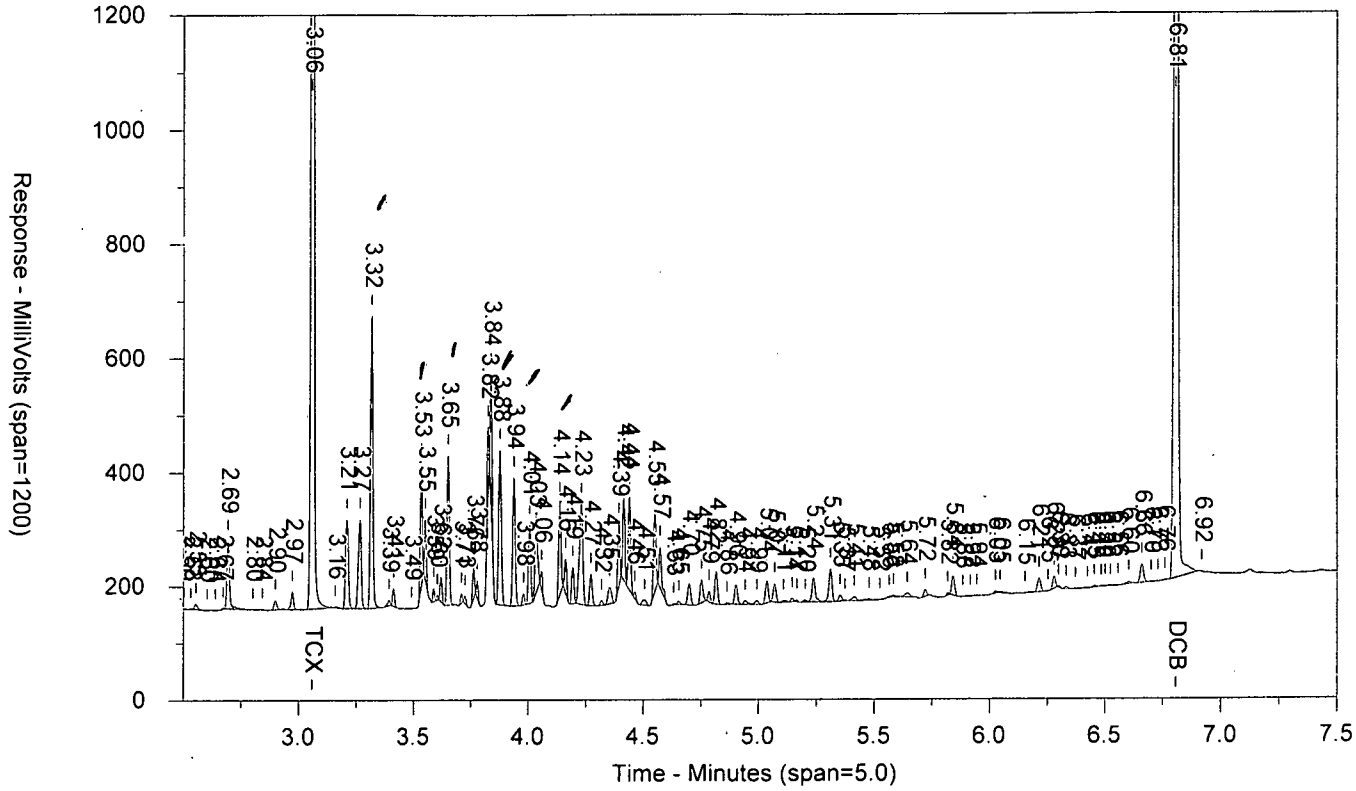

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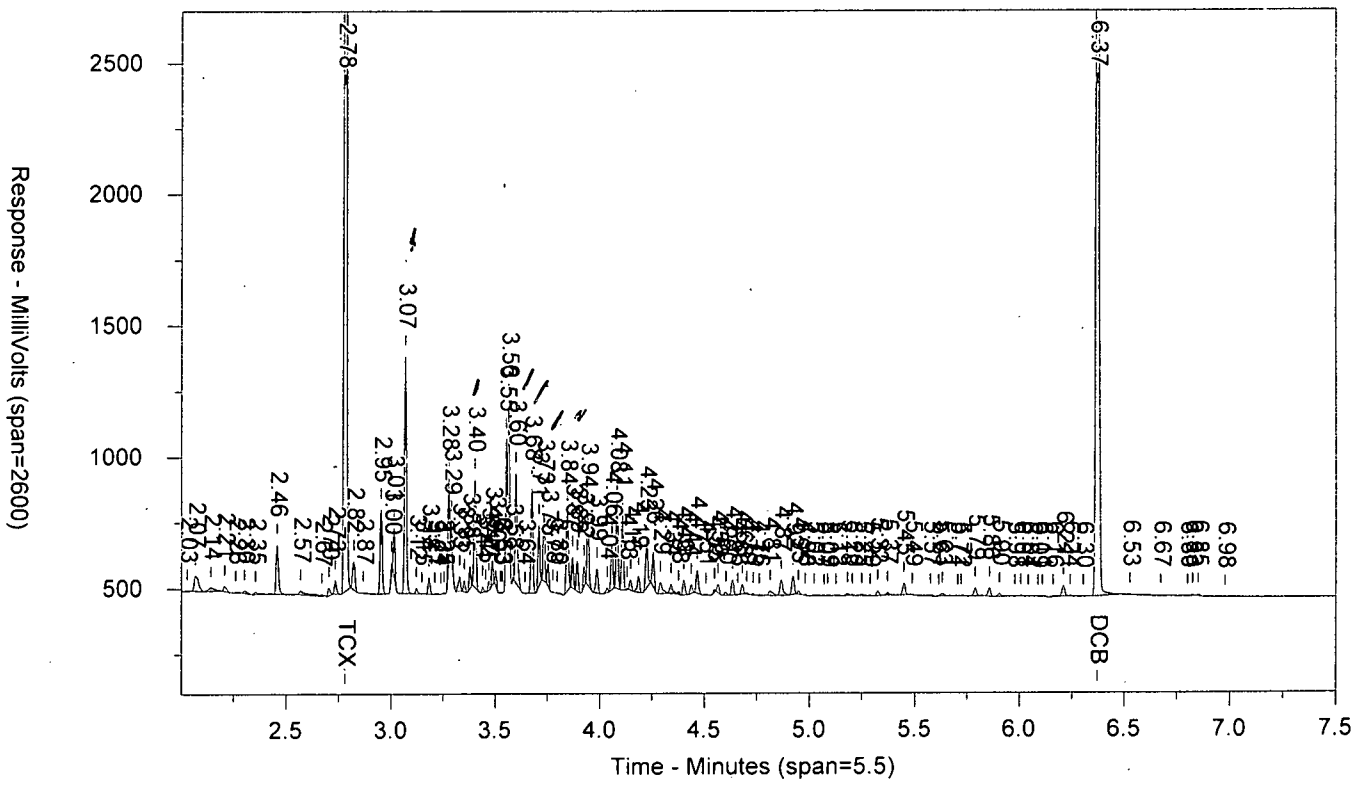

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:18:07 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	5460291	39.611	TCX	2.781	9817123	40.27	TCX
6.807	3353517	39.943	DCB	6.371	4447989	38.725	DCB

Files:
Area File: 25PCBS17309001.028.RAW
Area File: 25PCBS17309001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 11:26:37 PM
File Reported On: 11/7/2017 at 12:07:56 PM

AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082

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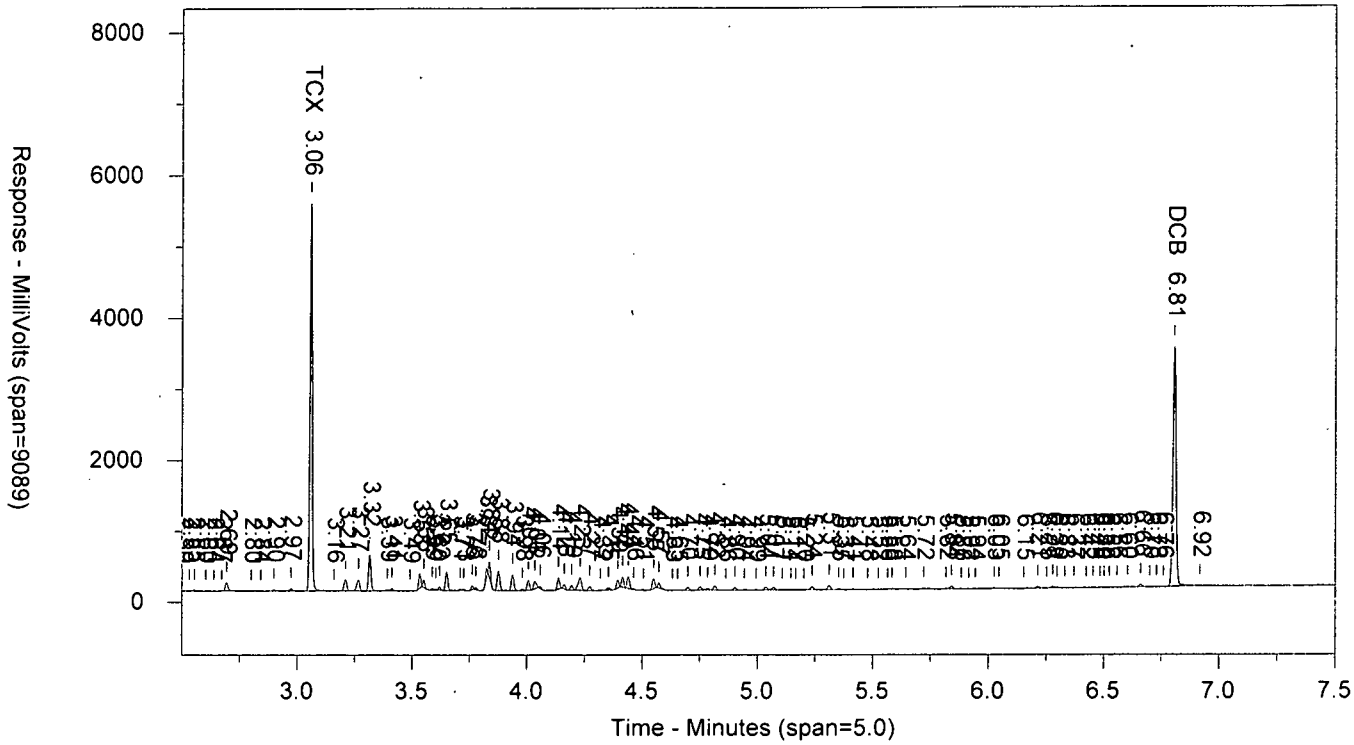

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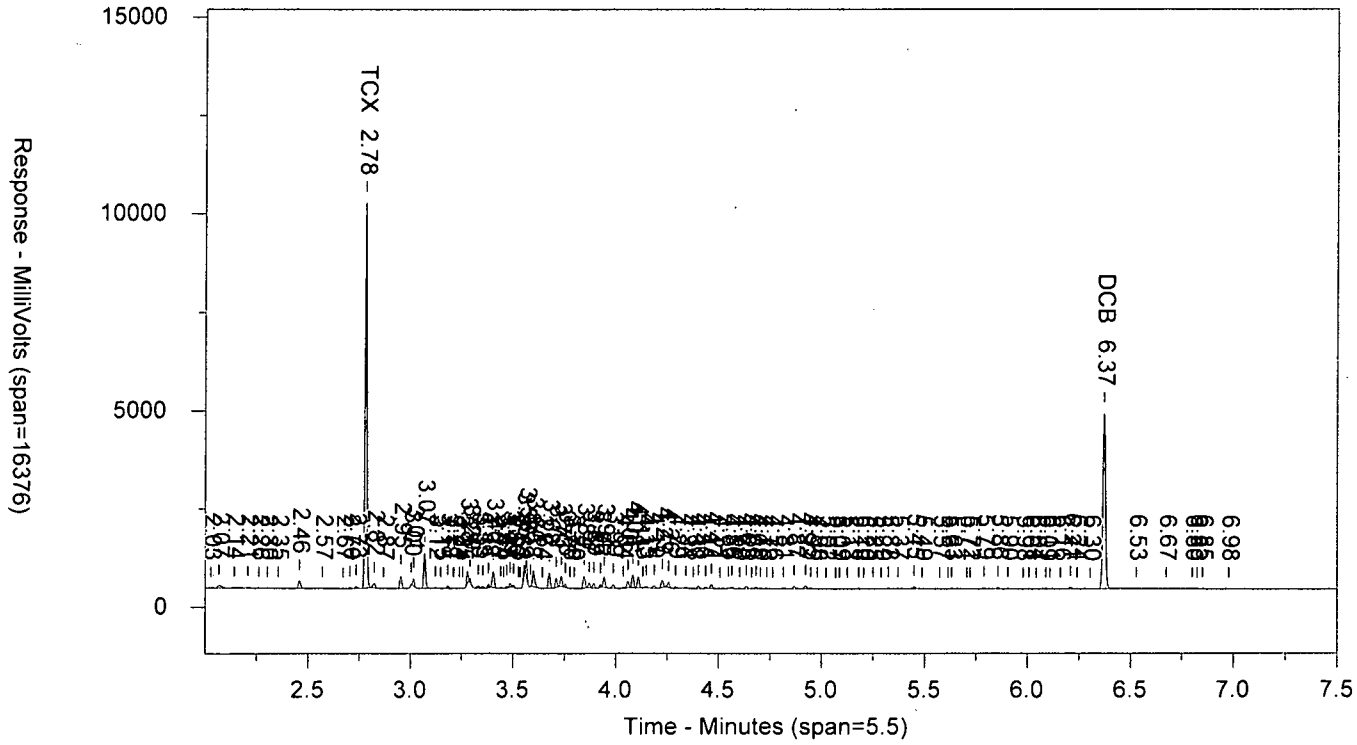

AR3241724A AAAR324AA ICAL 1730899999 10225 SW-846 8082

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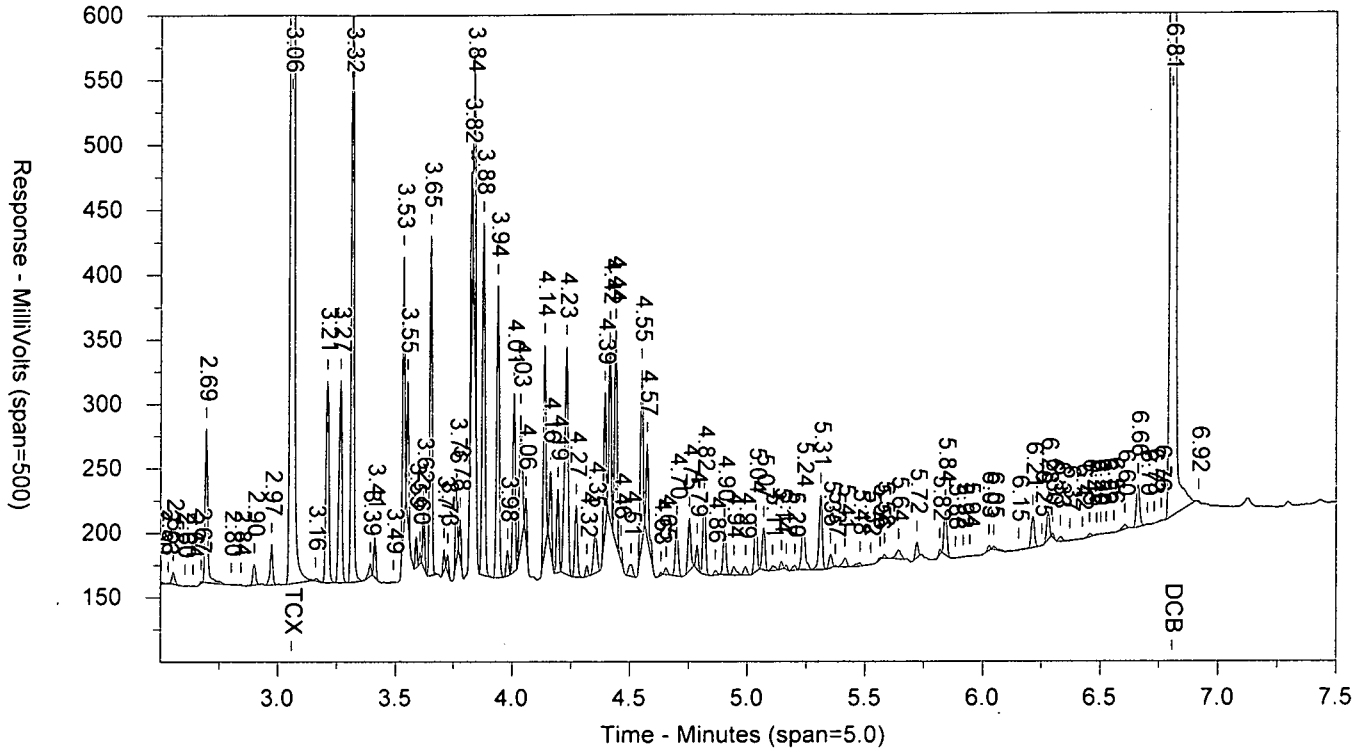

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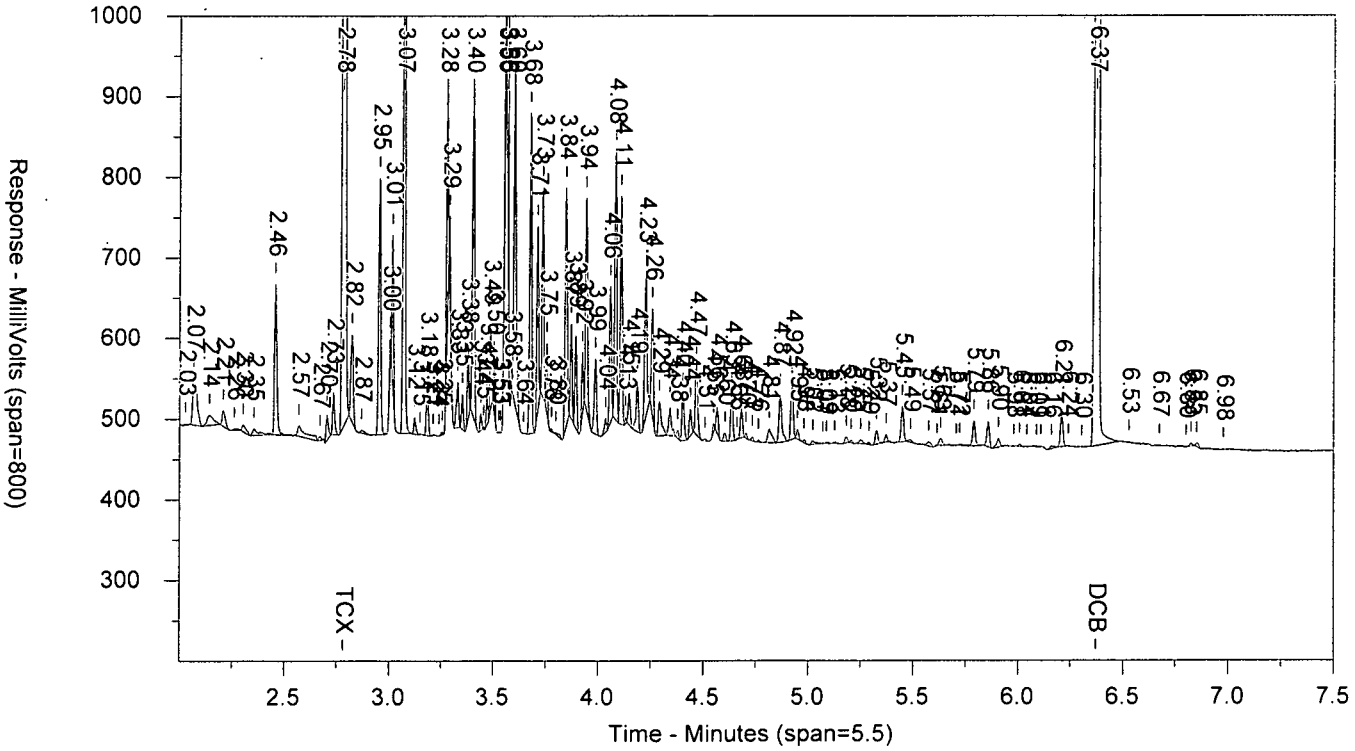

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:29:25 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: 25PCBS17309001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		1726	1075
2.069		931	651
2.097		8331	7978
2.213		5205	8620
2.266		700	479
2.313		719	860
2.347		21862	21259
2.437		23882	15328
2.458		9049	7337
2.503		1530	1817
2.554		8576	7710
2.672		2316	1411
2.696		14675	11622
2.783		602	277
2.803		1072	994
2.841		943	792
2.899		14761	14657
2.961		4517	4371
2.997		443	157
3.015		404	277
3.058	TCX	5538962	3610674
3.144		1086	492
3.16		1529	1040
3.21		82116	73070
3.266		100737	99490
3.316		374378	266369
3.392		9204	6262
3.411		54626	33847
3.45		1148	767
3.492		1221	1511
3.533		367648	222185
3.551		166156	93522
3.588		45152	25575
3.605		19018	8483
3.621		24361	14550
3.651		445752	326340
3.709		17274	9440
3.726		22387	12728
3.763		93681	54443
3.778		48625	24454
3.825		233772	124831
3.837		399134	217816
3.877		480107	379402
3.939		395891	311322
3.98		37900	25441
4.006		267155	196115
4.034		195140	168839
4.057		60675	32153
4.136		306177	224784
4.162		112929	75023
4.193		126036	93974
4.23		322328	339016
4.272		108772	85187
4.318		17676	12617

RT A	Compound A	Height A	Area A
4.356		40438	44468
4.394		224519	156803
4.415		287251	188226
4.439		326153	245106
4.462		7450	3692
4.505		21131	25136
4.549		262833	213311
4.572		125411	110624
4.63		3016	1774
4.654		11937	9661
4.699		72044	64863
4.752		89800	76654
4.785		50536	38469
4.816		138741	118016
4.863		1552	1368
4.902		69472	62831
4.942		9815	12855
4.993		16219	15107
5.035		103448	91305
5.069		24652	21676
5.118		9205	10609
5.145		9160	6250
5.165		6828	4514
5.198		1912	1391
5.238		109048	104691
5.312		48137	52395
5.354		29133	25638
5.376		1925	983
5.399		716	498
5.414		3970	3283
5.459		1603	2388
5.505		3715	4063
5.563		10043	11960
5.581		1748	1131
5.641		7480	14555
5.72		10346	8695
5.74		993	499
5.761		5909	4538
5.788		1508	804
5.817		6017	4033
5.841		28465	24313
5.91		617	662
5.932		575	504
5.99		533	184
6.027		5436	5088
6.046		1310	2213
6.147		592	270
6.162		431	158
6.213		24581	24445
6.279		21214	18029
6.299		3041	1669
6.33		2952	3270
6.376		523	806
6.397		8582	10229
6.457		8065	17173
6.499		1157	1697
6.519		532	207
6.537		451	157
6.572		429	397
6.6		2590	3480
6.658		34313	33817
6.732		850	471
6.757		826	490
6.807	DCB	3457050	3348753
6.949		820	1504

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:29:25 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: 25PCBS17309001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.029		5898	5042
2.068		52457	77637
2.142		10159	19952
2.207		19138	20658
2.304		9592	13367
2.355		7241	11019
2.46		25925	23643
2.571		11655	28072
2.667		5011	5520
2.704		28758	34426
2.781	TCX	9565002	6057846
2.824		79538	63721
2.866		4201	7144
2.953		163952	116077
3.003		57741	27611
3.014		91191	44387
3.068		649873	427546
3.121		20628	12524
3.153		1366	857
3.163		791	107
3.182		98529	64740
3.209		520	127
3.22		597	152
3.242		1118	237
3.258		1376	638
3.278		520176	272403
3.29		185550	71884
3.33		91668	58292
3.353		64973	39187
3.38		54729	30519
3.404		717803	505428
3.44		40851	23495
3.469		32713	16081
3.487		167244	89491
3.503		96407	48679
3.524		1176	259
3.535		365	71
3.554		459227	222798
3.565		707146	319106
3.585		32069	11773
3.6		717296	494779
3.652		740	85
3.676		728484	468627
3.71		451500	278511
3.734		510000	300396
3.753		174448	92156
3.773		2644	1355
3.845		582443	415699
3.87		227299	133264
3.892		210657	139040
3.925		136181	73109
3.942		499023	316368
3.987		178444	139922
4.035		37721	27320

RT B	Compound B	Height B	Area B
4.058		341135	223210
4.082		660756	453446
4.109		557092	371808
4.13		23682	10604
4.148		49205	30740
4.186		143921	116355
4.225		358854	278810
4.256		262882	163760
4.29		41985	51725
4.341		86562	75654
4.376		7913	4528
4.402		135793	110073
4.437		88645	62805
4.465		213902	160630
4.508		4353	3929
4.548		19840	11588
4.565		67548	47670
4.601		25684	20421
4.635		154439	119697
4.66		3413	1676
4.681		25827	17633
4.703		13557	8830
4.732		13949	10948
4.773		1562	565
4.813		26470	29908
4.866		157488	172458
4.923		65092	47782
4.948		39963	38186
4.998		2864	1176
5.022		3016	2457
5.094		2704	2462
5.142		2045	1184
5.18		5854	4346
5.203		15137	12480
5.249		4180	5365
5.289		3323	2570
5.326		14180	10998
5.349		7634	4514
5.37		9210	6140
5.388		2072	1048
5.447		40841	34802
5.482		2818	3069
5.528		962	541
5.583		2970	2264
5.631		9372	10665
5.685		1454	1034
5.733		1079	866
5.788		31464	27851
5.852		42683	37143
5.904		21403	45307
5.94		2213	2518
5.985		1100	439
6.006		4056	3598
6.158		2392	2471
6.208		44755	40870
6.301		732	277
6.37	DCB	4665376	4109662
6.527		1293	1535
6.579		815	441
6.684		861	566
6.729		1327	420
6.75		1014	323
6.763		1290	1815
6.824		4376	3274
6.854		5344	4656
6.963		990	298

AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082

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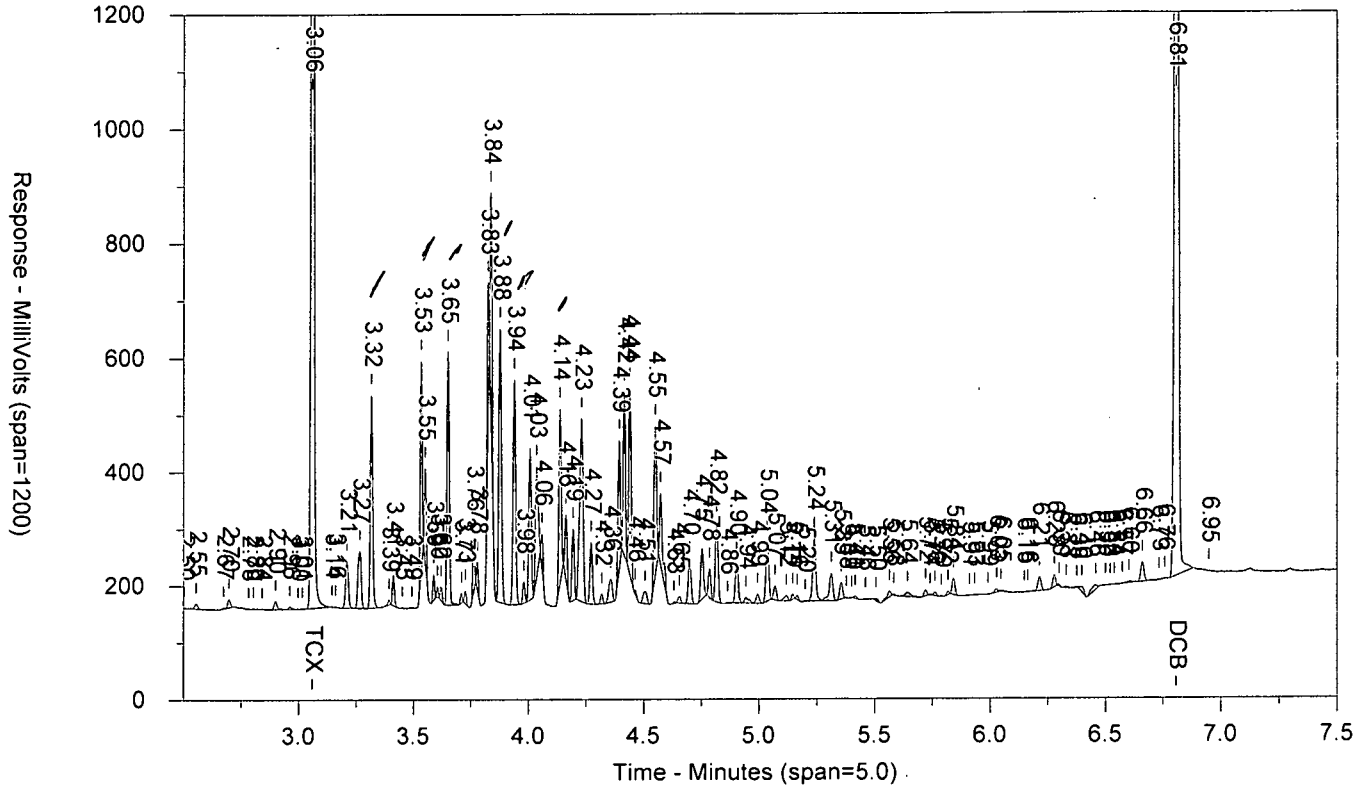

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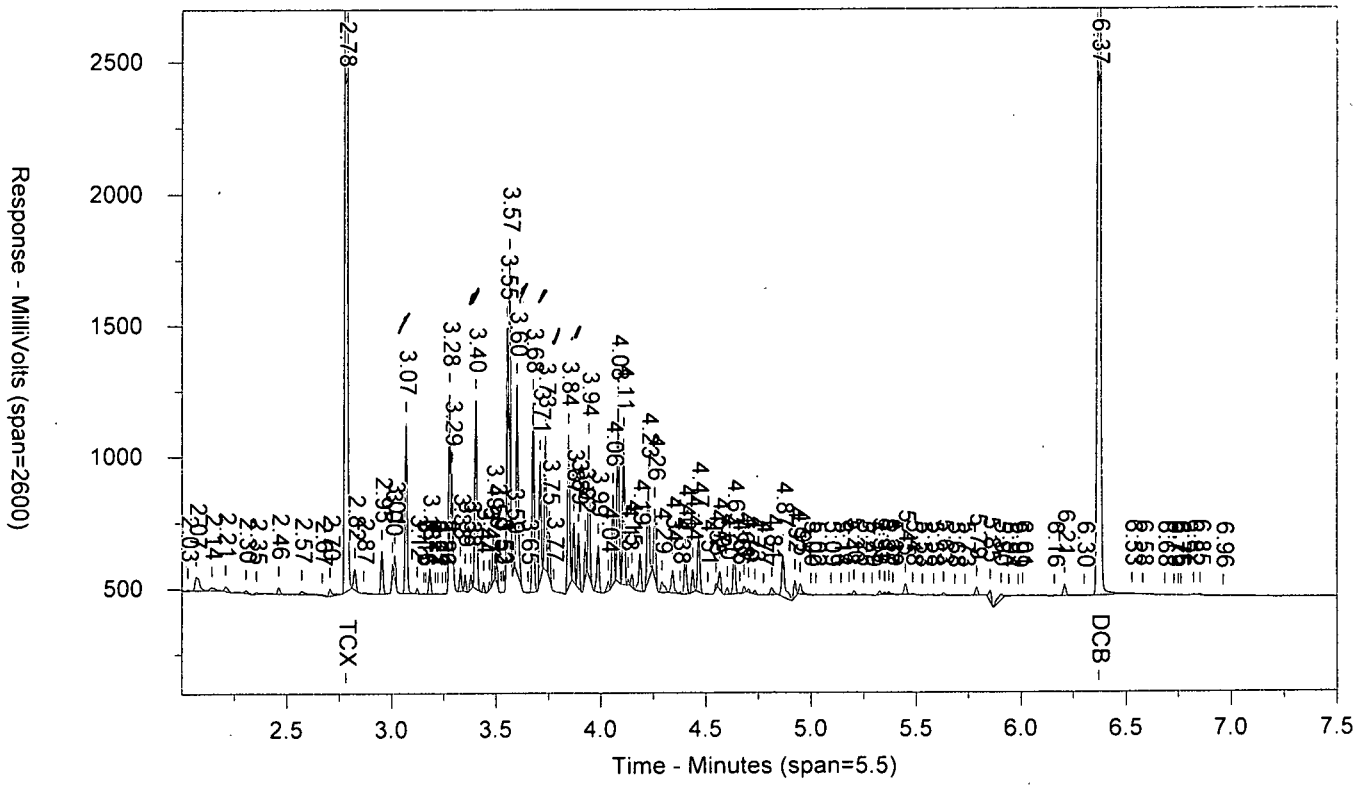

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:29:25 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
3.058	5538962	40.182	TCX	2.781	9565002	39.236	TCX
6.807	3457050	41.176	DCB	6.37	4665376	40.618	DCB

Files:
Area File: 25PCBS17309001.029.RAW
Area File: 25PCBS17309001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 11:37:56 PM
File Reported On: 11/7/2017 at 12:08:30 PM

AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082

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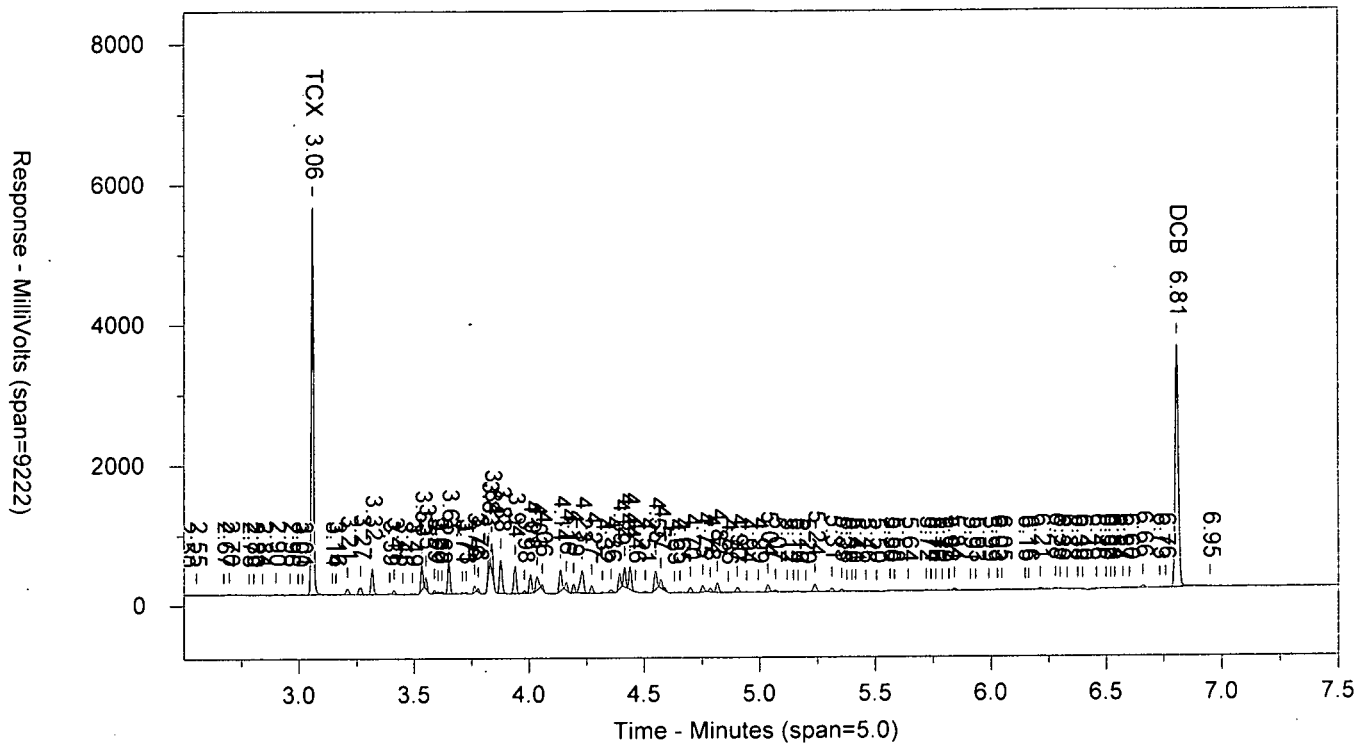

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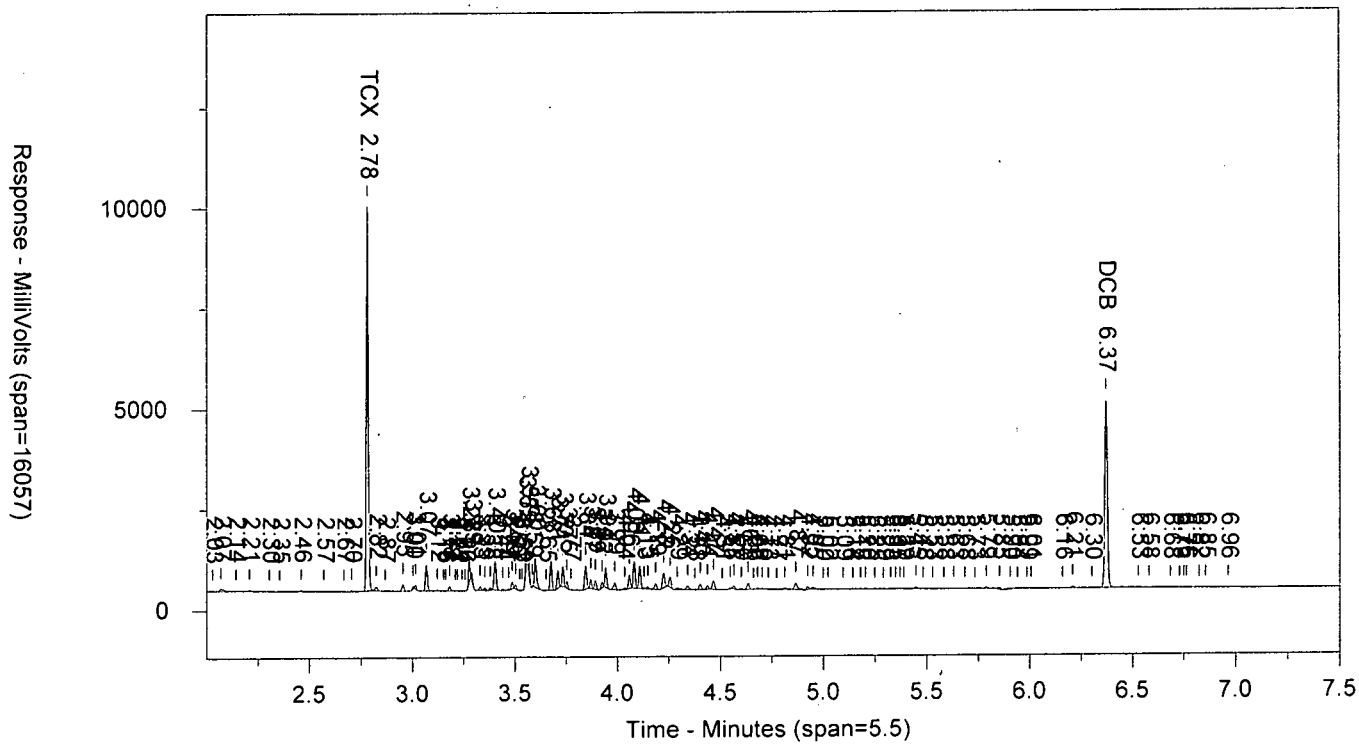

AR4241724A AAAR424AA ICAL 1730899999 10225 SW-846 8082

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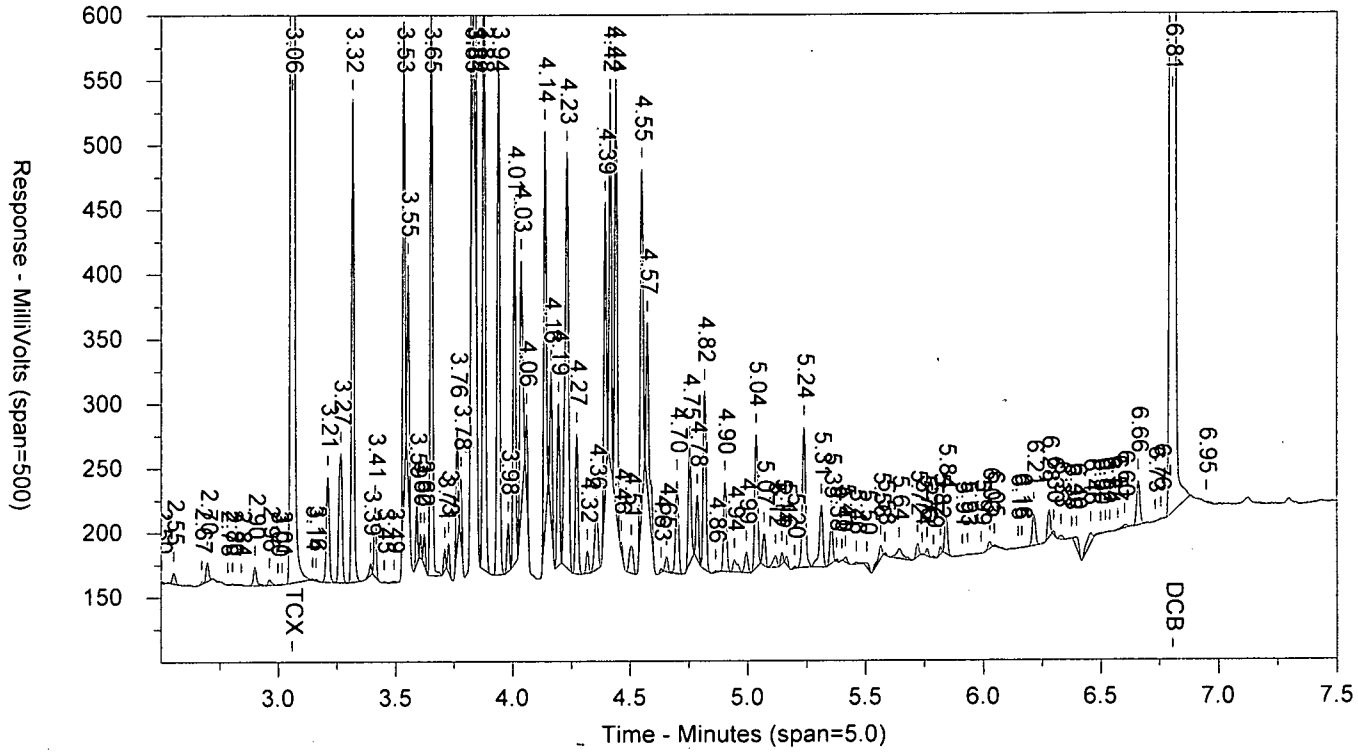

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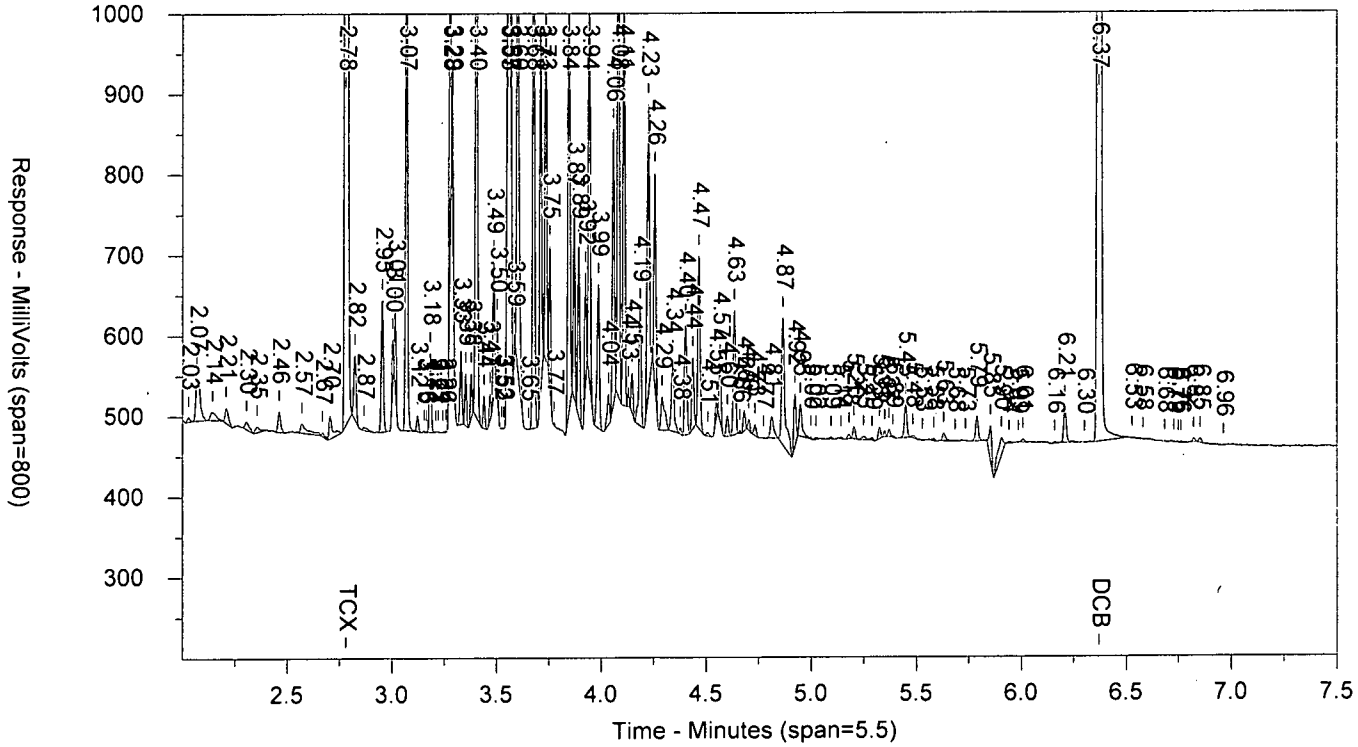

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:40:43 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: 25PCBS17309001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.077		686	591
2.096		11520	11415
2.147		1069	945
2.213		5235	7818
2.278		3110	7263
2.347		36850	32563
2.436		15700	9614
2.459		15471	12630
2.497		1127	1315
2.531		747	274
2.555		13245	11547
2.612		725	566
2.674		634	566
2.696		19152	19518
2.806		918	1018
2.839		1102	939
2.898		17716	16489
2.962		5652	5934
3.024		504	641
3.057	TCX	8146644	5481804
3.159		2346	1661
3.209		91935	79487
3.262		126281	125768
3.315		427261	294713
3.392		12962	7858
3.411		65747	40987
3.45		1369	942
3.488		1017	1221
3.533		415422	246061
3.55		188456	104259
3.588		49201	28399
3.604		22291	10252
3.619		25501	13700
3.651		497057	369448
3.709		27076	15150
3.725		20515	11203
3.762		103802	60240
3.777		52600	27143
3.824		245754	131601
3.837		450782	240568
3.876		503403	398448
3.938		441113	340577
3.979		44310	29234
4.005		287301	207996
4.033		207692	181051
4.057		64326	36111
4.136		321719	235709
4.161		116915	74478
4.193		136040	98942
4.229		324332	349084
4.271		111216	89225
4.317		12201	8535
4.354		33164	37203
4.394		115034	83934

RT A	Compound A	Height A	Area A
4.414		103647	69567
4.439		86515	62638
4.462		13227	8726
4.505		2906	3104
4.548		34724	29762
4.572		3491	1954
4.648		4880	4302
4.699		19400	19839
4.753		11729	15914
4.815		1511	1247
4.849		384	439
4.88		400	158
4.901		4391	4623
4.987		3046	2926
5.032		1712	1491
5.069		52318	51076
5.106		3140	2839
5.163		2516	2630
5.198		3288	3009
5.236		722	793
5.256		5652	4751
5.31		82791	79035
5.354		1603	1542
5.413		5376	8156
5.459		573	496
5.509		944	809
5.582		1081	2230
5.64		6839	16208
5.719		20264	17034
5.812		539	115
5.841		53358	49434
5.935		802	965
5.988		405	371
6.025		730	617
6.045		3688	5317
6.143		636	942
6.172		766	483
6.213		36936	34915
6.278		32520	27907
6.298		4058	2417
6.33		3288	3747
6.4		1825	2490
6.467		661	2693
6.482		538	172
6.516		392	679
6.527		712	424
6.558		701	163
6.601		2573	3950
6.625		885	398
6.658		49498	48775
6.726		383	284
6.757		1272	1396
6.807	DCB	4701468	4813123
6.972		1086	993

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:40:43 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: 25PCBS17309001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		1959	1798
2.077		65761	85457
2.138		9792	16931
2.207		29806	29494
2.303		14210	17478
2.361		5320	12905
2.46		31425	27422
2.57		5893	7292
2.668		7141	9268
2.703		34843	27882
2.738		2784	2808
2.78	TCX	15206370	9259454
2.823		96820	74696
2.867		2893	5031
2.952		185904	132755
3.002		100939	47980
3.014		90862	41104
3.067		735674	470515
3.106		553	70
3.12		29575	17541
3.146		1394	289
3.151		907	346
3.181		119358	77833
3.212		896	260
3.226		701	101
3.231		696	111
3.243		623	146
3.277		602280	306840
3.289		199355	78994
3.33		103105	66380
3.353		65021	38068
3.379		61810	34511
3.403		825262	567993
3.439		32932	19262
3.468		49669	25685
3.486		179311	93369
3.502		104580	52192
3.525		1171	351
3.553		475656	231523
3.564		777166	351878
3.584		31937	11467
3.598		754692	519057
3.65		644	104
3.675		779026	512995
3.708		479037	293675
3.733		551507	315832
3.752		184066	98385
3.771		3133	1368
3.792		2623	5727
3.844		620148	439171
3.869		237333	138978
3.891		228689	145388
3.923		149129	81524
3.941		506794	324177

RT B	Compound B	Height B	Area B
3.985		185235	137133
4.034		25910	21107
4.057		138564	90412
4.081		297899	201715
4.107		127882	81984
4.13		17023	8501
4.146		29789	18977
4.184		11831	7303
4.224		14663	8786
4.24		26644	20563
4.289		40148	30769
4.313		4937	2406
4.329		4264	2685
4.356		15700	9930
4.376		18962	12279
4.424		1953	3700
4.448		10458	12275
4.565		4954	4253
4.605		5161	4098
4.633		2093	1155
4.68		67547	56729
4.722		1209	379
4.733		1066	926
4.788		1126	874
4.817		9136	13665
4.872		13252	15304
4.921		116879	92195
5.022		1201	584
5.031		1795	2185
5.125		1918	2344
5.179		3733	2681
5.202		2070	1841
5.243		5032	5944
5.287		2236	1398
5.325		26126	21169
5.367		1415	1599
5.447		66748	57096
5.636		5092	11046
5.788		45144	39569
5.855		51114	43512
5.904		14358	14935
6.012		787	212
6.039		1217	692
6.111		1768	2565
6.168		1907	1412
6.208		62277	53921
6.241		2862	1820
6.262		1494	791
6.334		747	805
6.371	DCB	6914046	5957680
6.483		590	383
6.717		1625	1429
6.804		1149	571
6.824		5815	4629
6.855		4351	3346
6.94		1136	697

AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082

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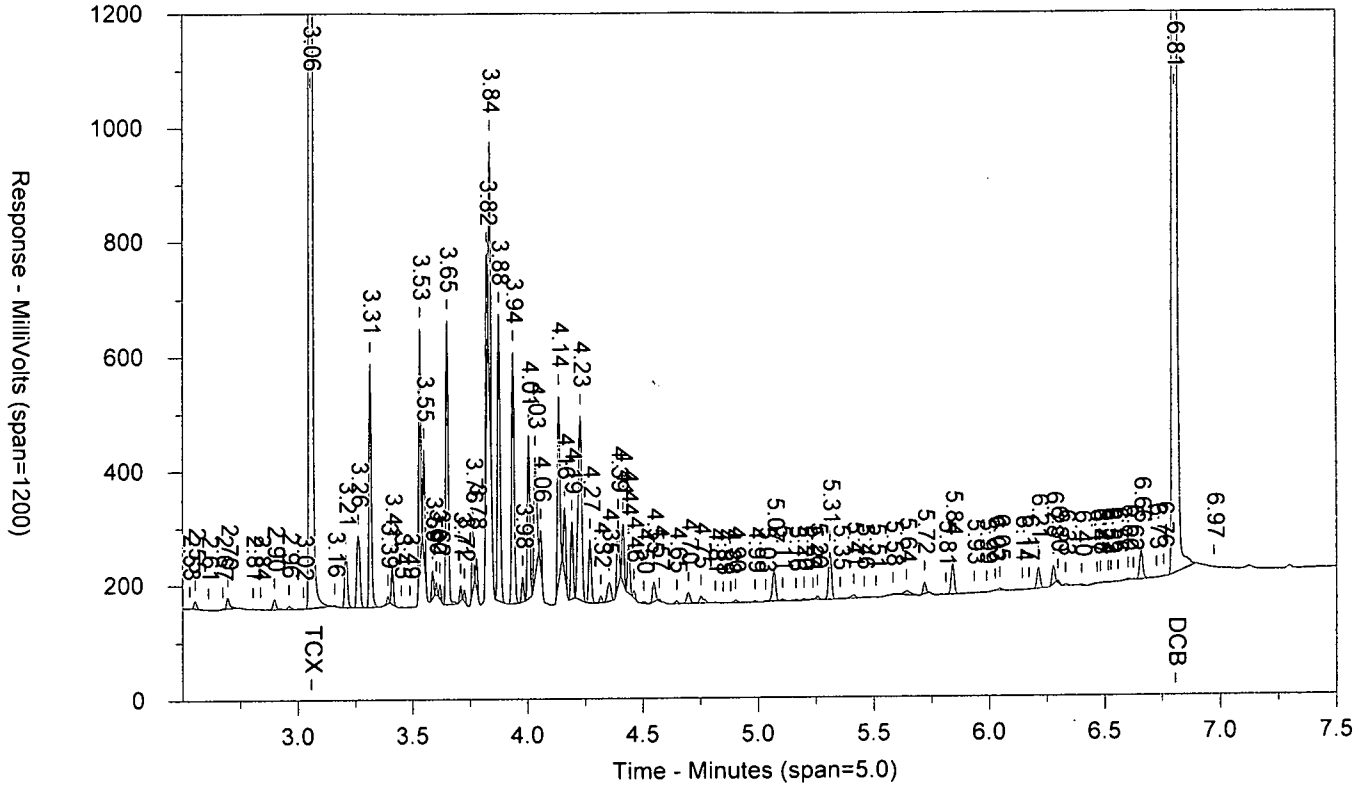

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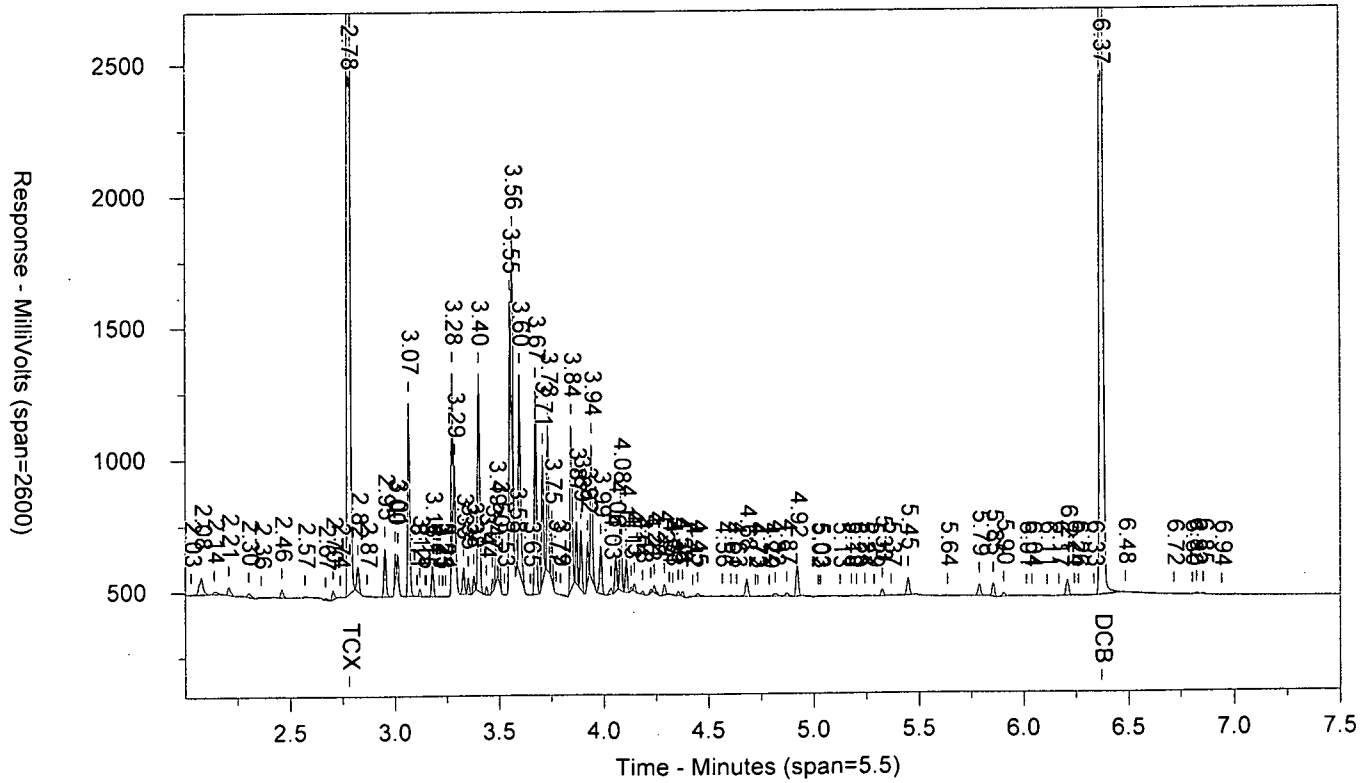

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:40:43 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
3.057	8146644	59.099	TCX	2.78	15206370	62.377	TCX
6.807	4701468	55.998	DCB	6.371	6914046	60.195	DCB

Files:
Area File: 25PCBS17309001.030.RAW
Area File: 25PCBS17309001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/5/2017 11:49:13 PM
File Reported On: 11/7/2017 at 12:09:00 PM

AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082

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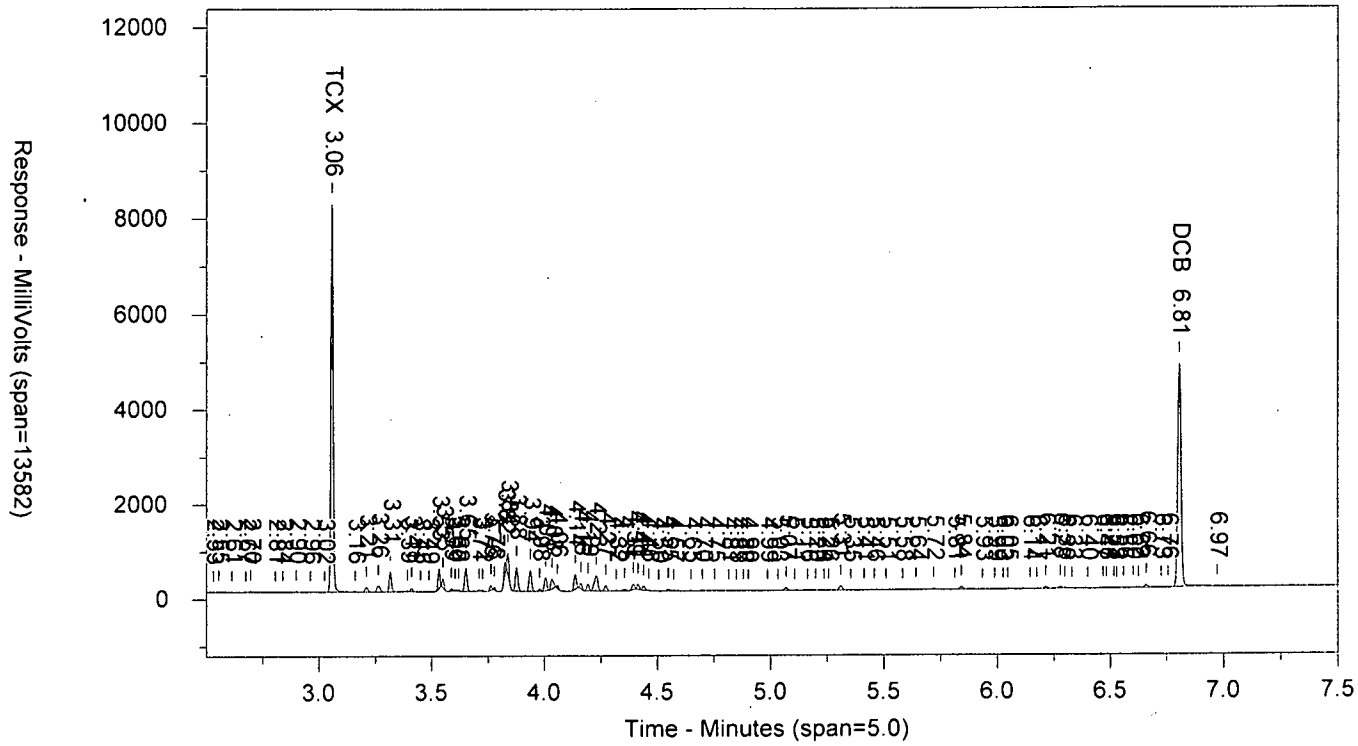

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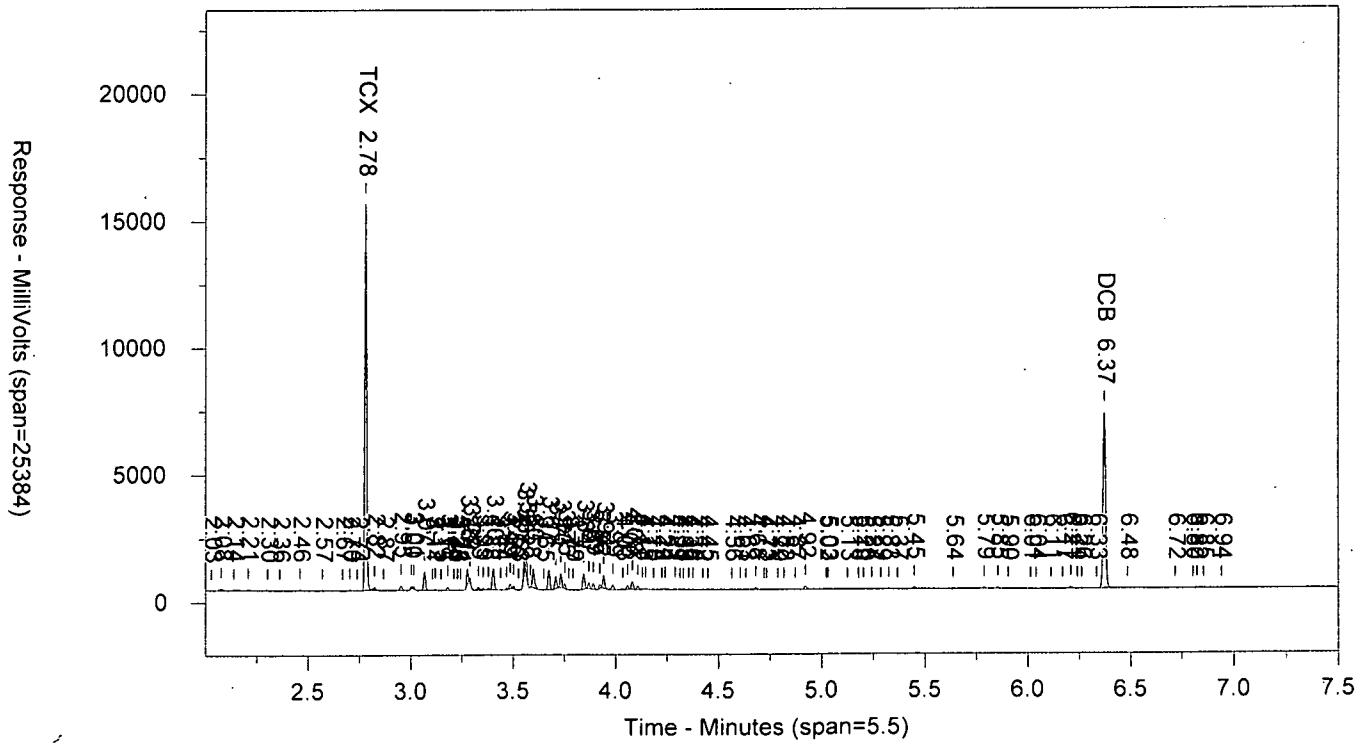

AR16XX1724B AAAR16XAA ICAL 1730899999 10225 SW-846 8082

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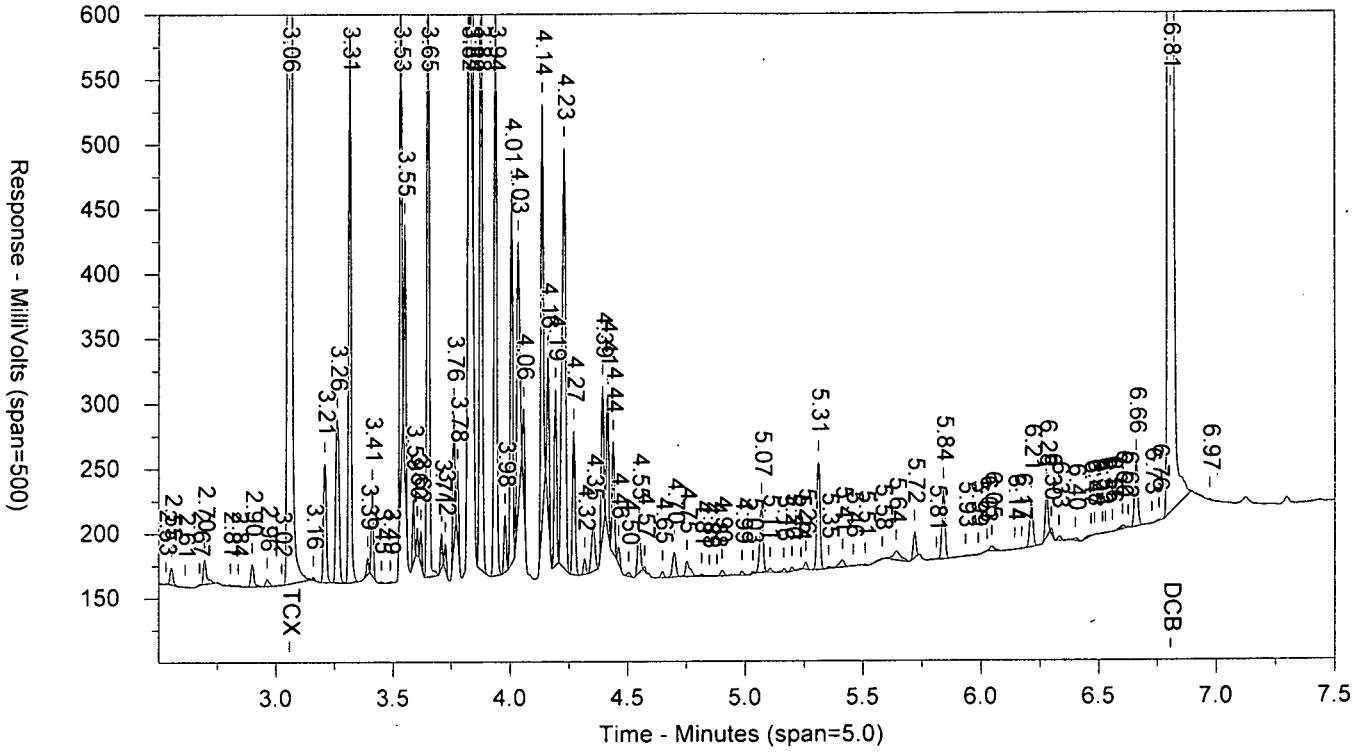

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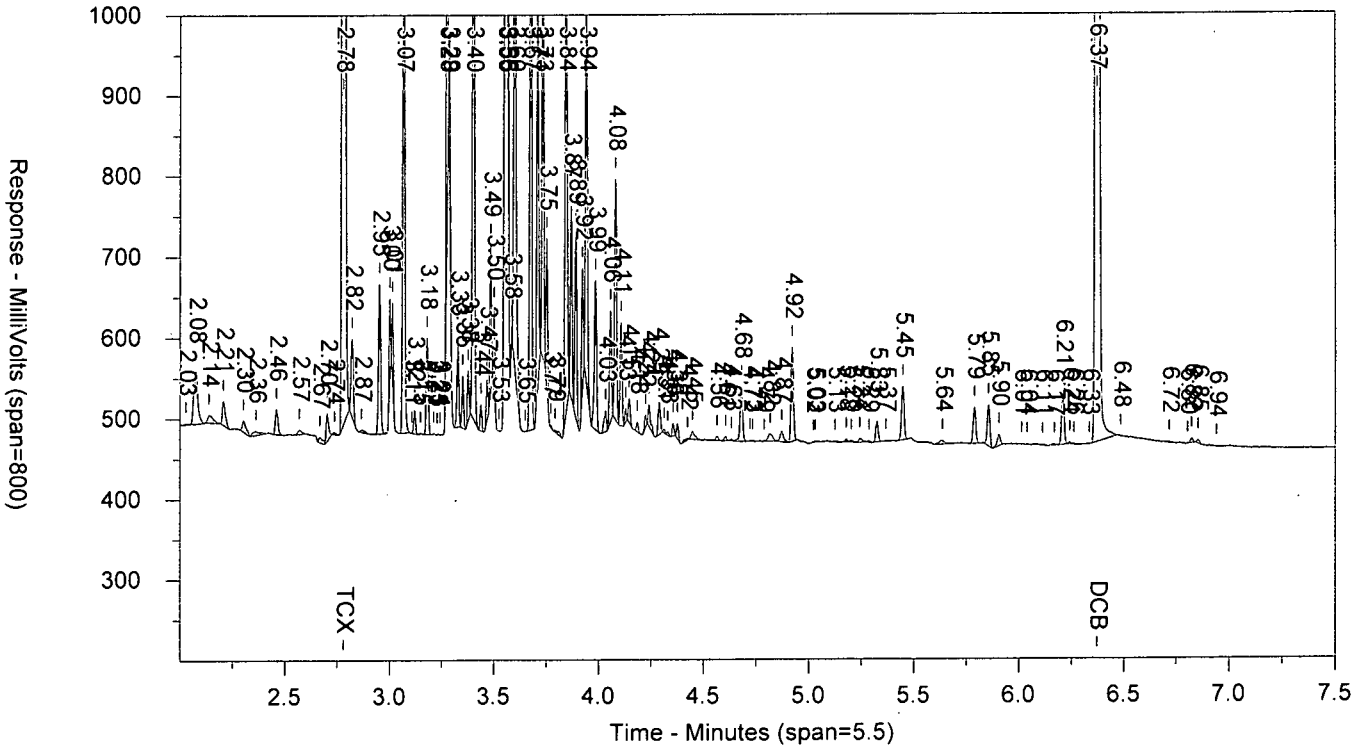


LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:52:10 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: 25PCBS17309001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.026		1411	1285
2.076		809	649
2.097		9118	9235
2.149		900	1059
2.212		5180	7783
2.285		3062	5360
2.436		16367	10710
2.503		1451	1865
2.531		665	293
2.554		5058	3953
2.622		622	501
2.678		473	494
2.721		2605	5202
2.84		727	346
2.899		17717	16260
2.964		4633	3974
3.028		363	883
3.058	TCX	57109	42691
3.146		620	382
3.211		2933	3714
3.267		3249	2814
3.316		10802	6454
3.386		3751	5654
3.413		2039	1375
3.492		1263	1384
3.534		13778	8208
3.552		5443	2732
3.591		1536	888
3.606		1877	1235
3.653		15655	10669
3.677		3990	5184
3.726		1071	781
3.765		2882	1801
3.779		1391	693
3.806		904	648
3.826		7774	3903
3.839		12176	6462
3.878		15783	12728
3.94		14003	12024
3.982		1640	1203
4.008		12135	9231
4.037		7887	12168
4.139		9760	7177
4.164		2986	2066
4.195		3620	2226
4.232		9421	11172
4.275		2920	2125
4.353		25499	27176
4.397		9535	6962
4.416		2382	1416
4.442		1018	423
4.465		21845	19938
4.513		1190	828
4.556		11221	10286

RT A	Compound A	Height A	Area A
4.59		919	569
4.648		542	371
4.699		6996	7625
4.733		623	348
4.755		1216	904
4.77		2318	1547
4.818		5742	5327
4.866		8873	9409
4.904		3338	2432
4.944		22087	19839
4.99		1058	499
5.038		2086	1773
5.067		3864	3735
5.106		3492	5217
5.147		22241	16925
5.164		2278	1661
5.201		4509	4061
5.24		11578	12259
5.317		3195	4957
5.356		30264	28403
5.418		20579	19930
5.462		9066	8337
5.516		825	760
5.564		1575	1916
5.583		17743	14761
5.642		14984	16309
5.68		3559	2779
5.747		1329	1801
5.763		4631	3348
5.819		45439	40590
5.886		508	240
5.94		276	176
5.977		346	329
6.028		27013	25297
6.06		2194	1871
6.08		3260	2527
6.127		551	159
6.191		552	134
6.213		1313	1709
6.261		507	491
6.28		705	596
6.302		4717	3945
6.332		3177	3978
6.408		1365	1931
6.458		13306	13877
6.506		826	589
6.607		2791	4288
6.663		3745	3614
6.712		513	154
6.771		511	996
6.788		610	202
6.812	DCB	44530	44647
6.863		2603	3249
6.97		475	515
6.984		686	275

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:52:10 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: 25PCBS17309001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

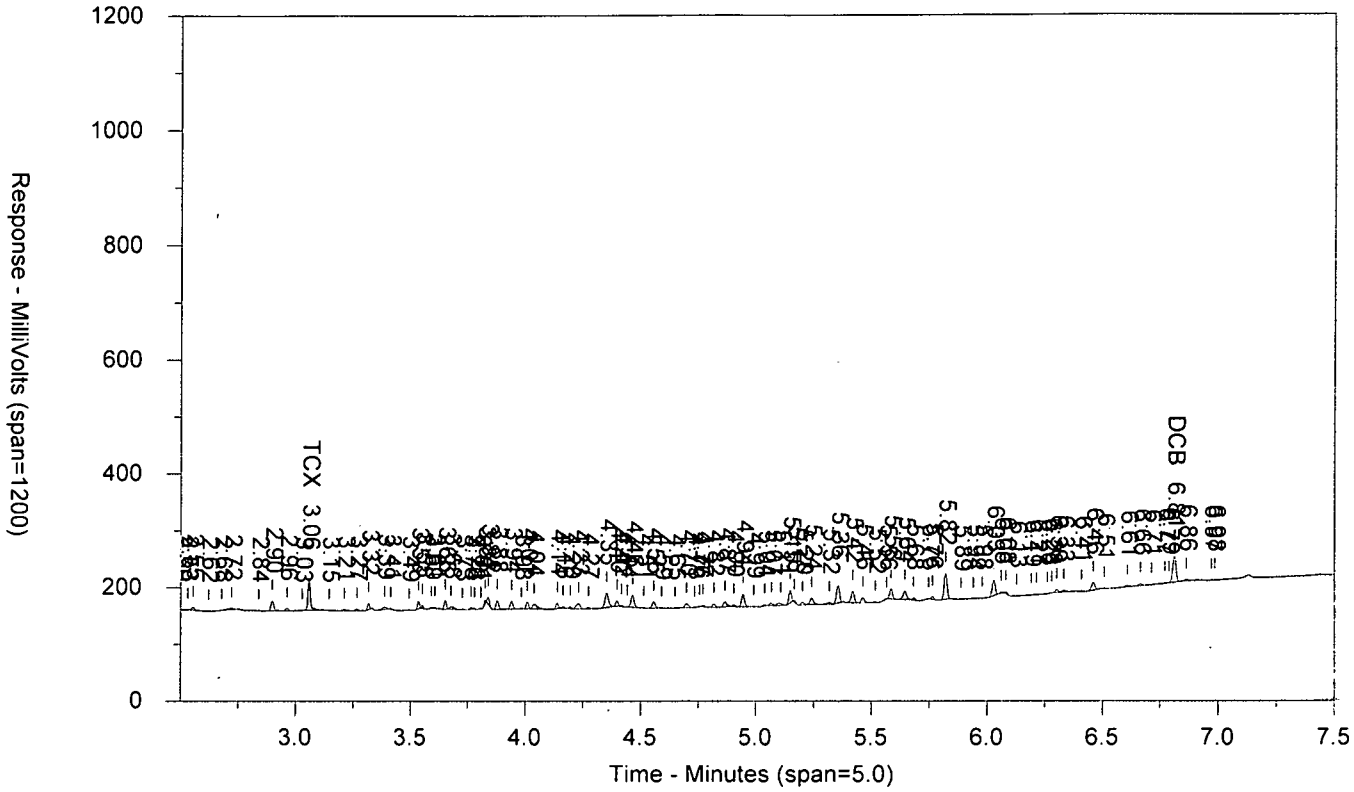
RT B	Compound B	Height B	Area B
2.028		2142	1593
2.066		34085	26179
2.143		11405	37468
2.254		2511	3302
2.36		4070	8175
2.517		1823	2128
2.574		5297	9403
2.668		5023	7080
2.704		36731	33421
2.746		1979	1699
2.78	TCX	98060	61812
2.823		4565	4288
2.871		4830	6639
2.953		5515	5093
3.015		4874	2431
3.034		1358	738
3.068		24697	15667
3.093		655	147
3.104		646	252
3.123		683	230
3.14		900	151
3.153		1249	790
3.164		988	270
3.181		4166	2510
3.201		820	267
3.209		1667	1095
3.234		1010	197
3.253		713	287
3.278		21469	11186
3.289		3177	1580
3.32		1266	480
3.33		3250	1749
3.351		3758	2112
3.367		531	85
3.404		33696	38907
3.433		637	117
3.441		1213	402
3.46		782	429
3.467		601	156
3.472		656	143
3.487		5384	3210
3.503		3039	1569
3.53		726	130
3.554		21748	9834
3.566		18962	8140
3.586		1962	753
3.6		23033	16562
3.629		921	269
3.646		697	279
3.656		405	174
3.677		27108	18140
3.711		17903	10790
3.736		20743	11486
3.754		5211	2581

RT B	Compound B	Height B	Area B
3.776		1070	716
3.795		2254	1223
3.846		22102	15333
3.87		7637	3891
3.893		11026	8560
3.926		6063	3624
3.944		15212	8602
3.989		5375	3648
4.032		2821	2304
4.058		3915	2526
4.083		23666	16659
4.148		41852	41227
4.187		18697	12950
4.224		1906	777
4.24		1926	1130
4.291		45404	37946
4.33		2687	2479
4.379		3876	3136
4.409		1655	1088
4.424		1364	549
4.452		2686	1947
4.466		2430	1265
4.48		11479	6730
4.508		6556	6693
4.562		36406	29599
4.606		2832	3040
4.635		3294	2654
4.66		8390	8577
4.705		41096	34134
4.776		1204	1043
4.814		34750	37323
4.873		4661	5169
4.909		4335	3316
4.949		39351	34721
4.983		21646	16420
5.024		15546	17092
5.09		1628	1416
5.126		5090	6303
5.18		25485	20703
5.206		3687	2336
5.255		13542	12657
5.289		7860	5502
5.319		4012	3773
5.349		1914	961
5.371		57137	47336
5.448		2953	2539
5.487		3515	3303
5.562		812	453
5.587		11466	9088
5.632		40497	45841
5.78		2040	3506
5.906		8899	12939
5.961		1074	678
6.008		14982	13169
6.086		1529	1886
6.118		1838	1278
6.162		1459	1652
6.209		4983	5464
6.259		1383	609
6.289		903	269
6.306		1112	485
6.373	DCB	60885	55129
6.414		762	552
6.5		1419	1516
6.613		1092	932
6.682		1551	2141

RT B	Compound B	Height B	Area B
6.857		6573	8311
6.978		824	748

MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17309001.031.RAW



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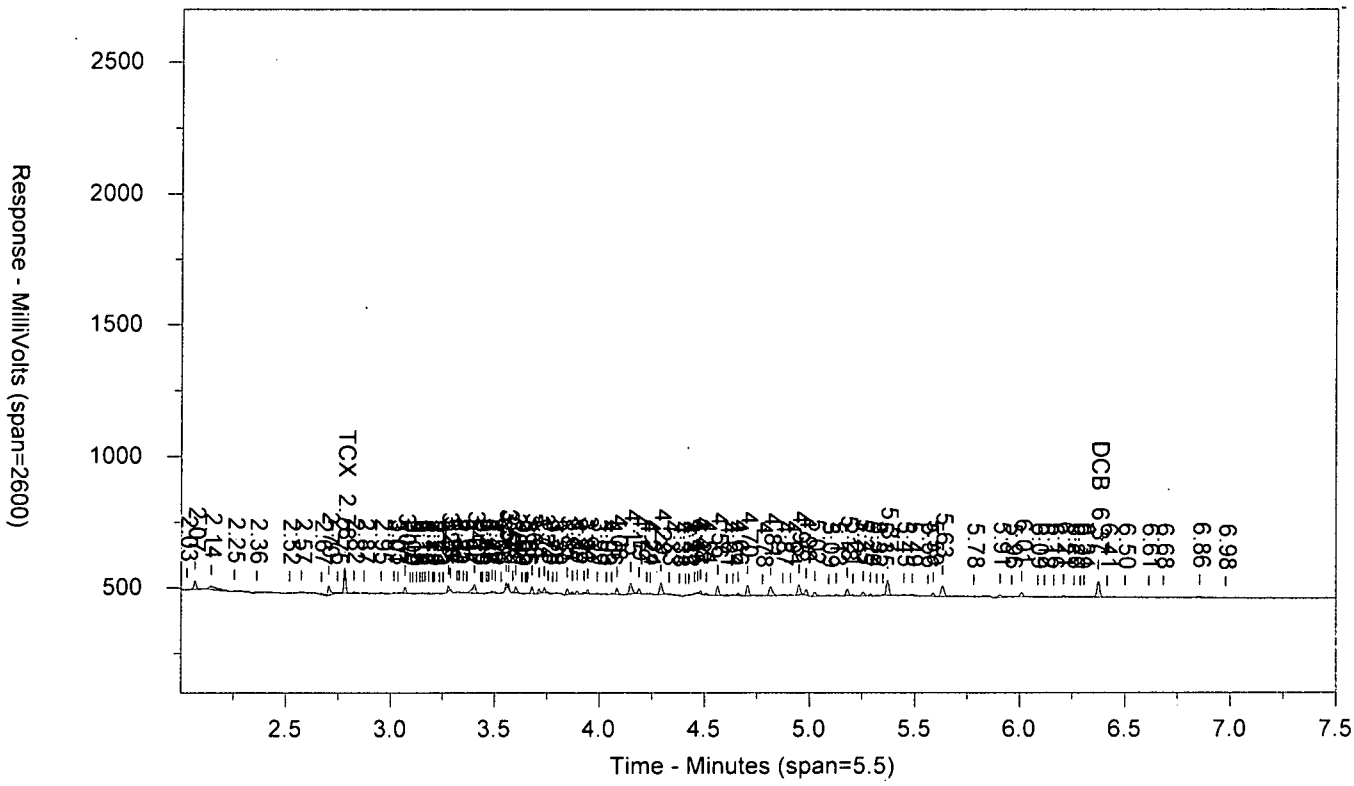

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082
Injected On: 11/5/2017 11:52:10 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
3.058	57109	.414	TCX	2.78	98060	.402	TCX
6.812	44530	.53	DCB	6.373	60885	.53	DCB

Files:
Area File: 25PCBS17309001.031.RAW
Area File: 25PCBS17309001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/6/2017 12:00:40 AM
File Reported On: 11/7/2017 at 12:09:33 PM

MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082

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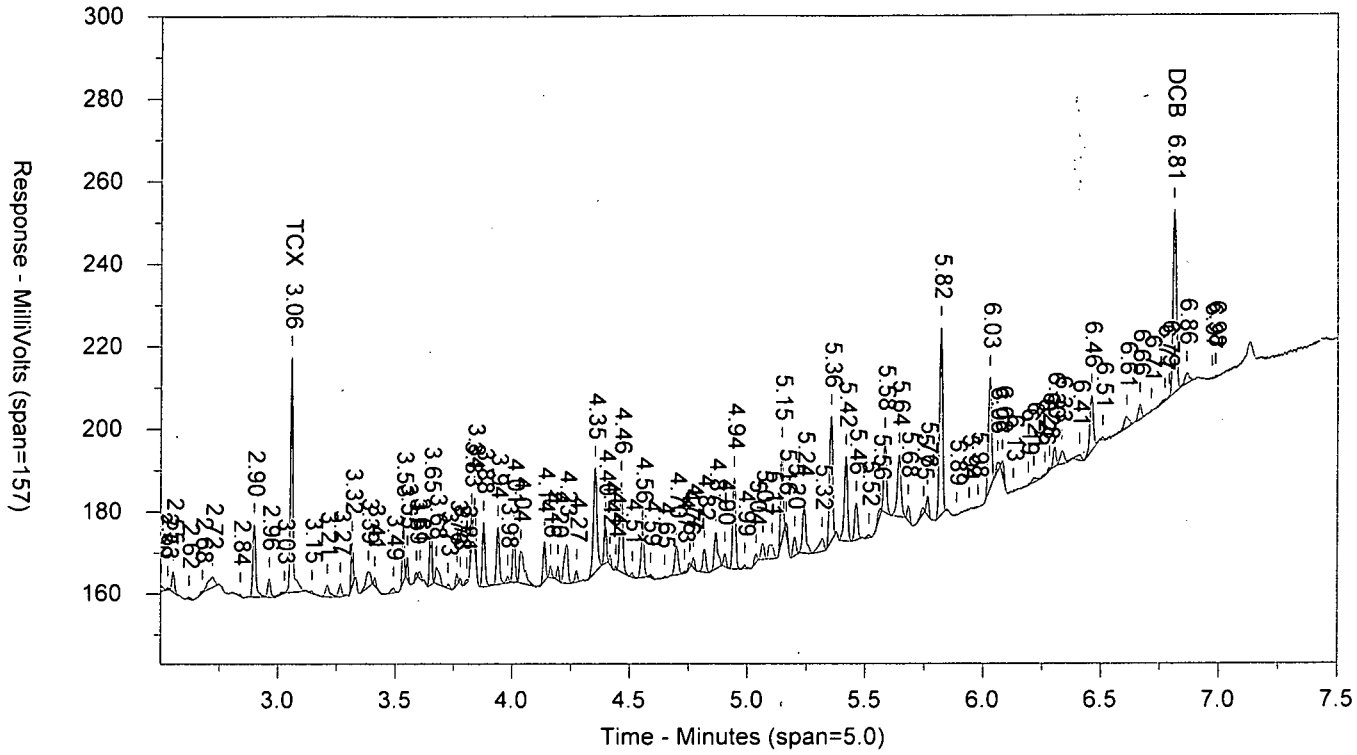

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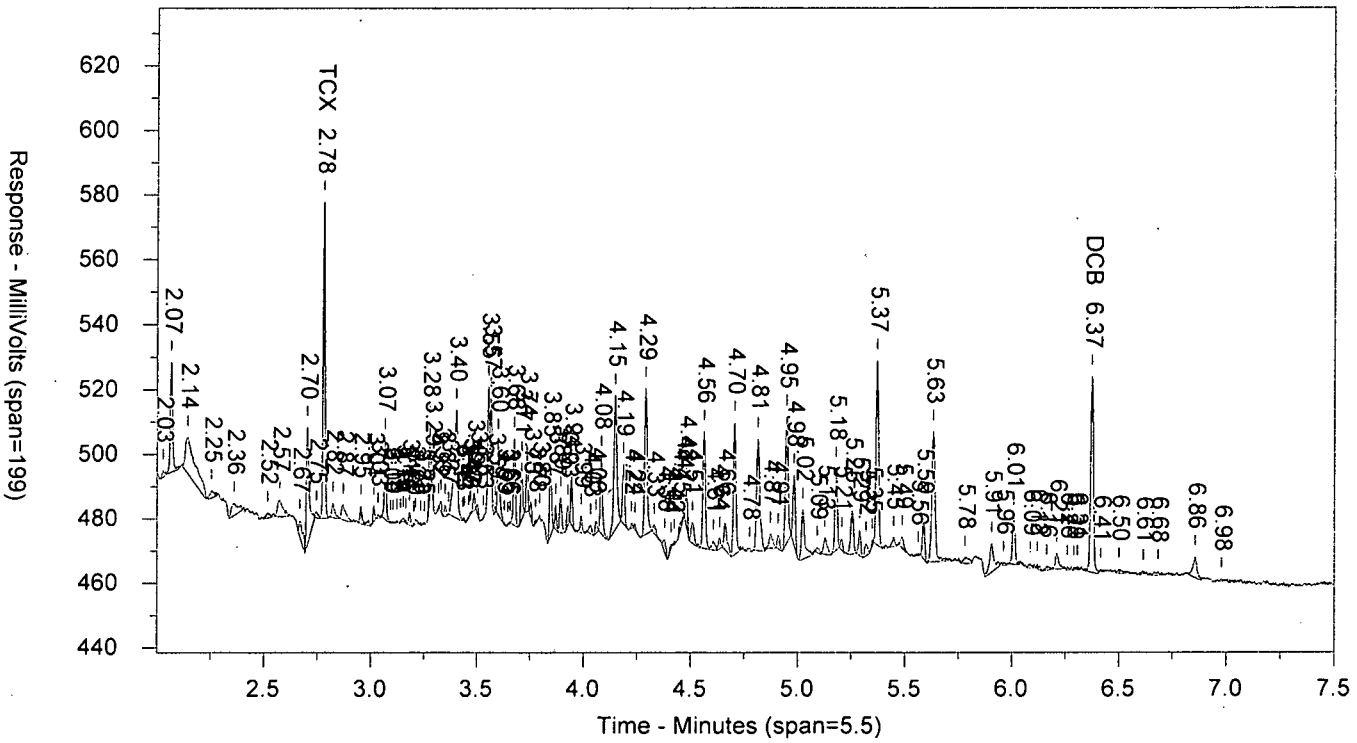

MD16X1724B AAMD16XAA ICAL 1730899999 10225 SW-846 8082

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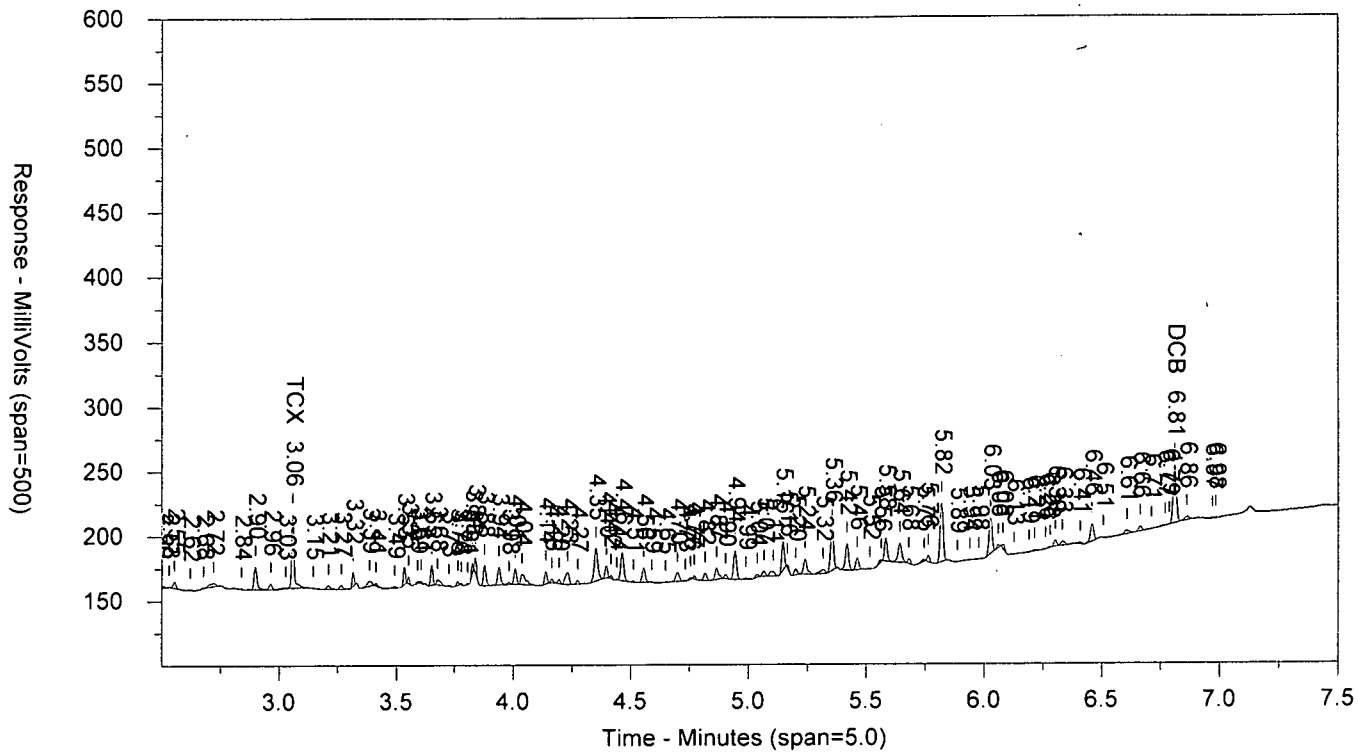

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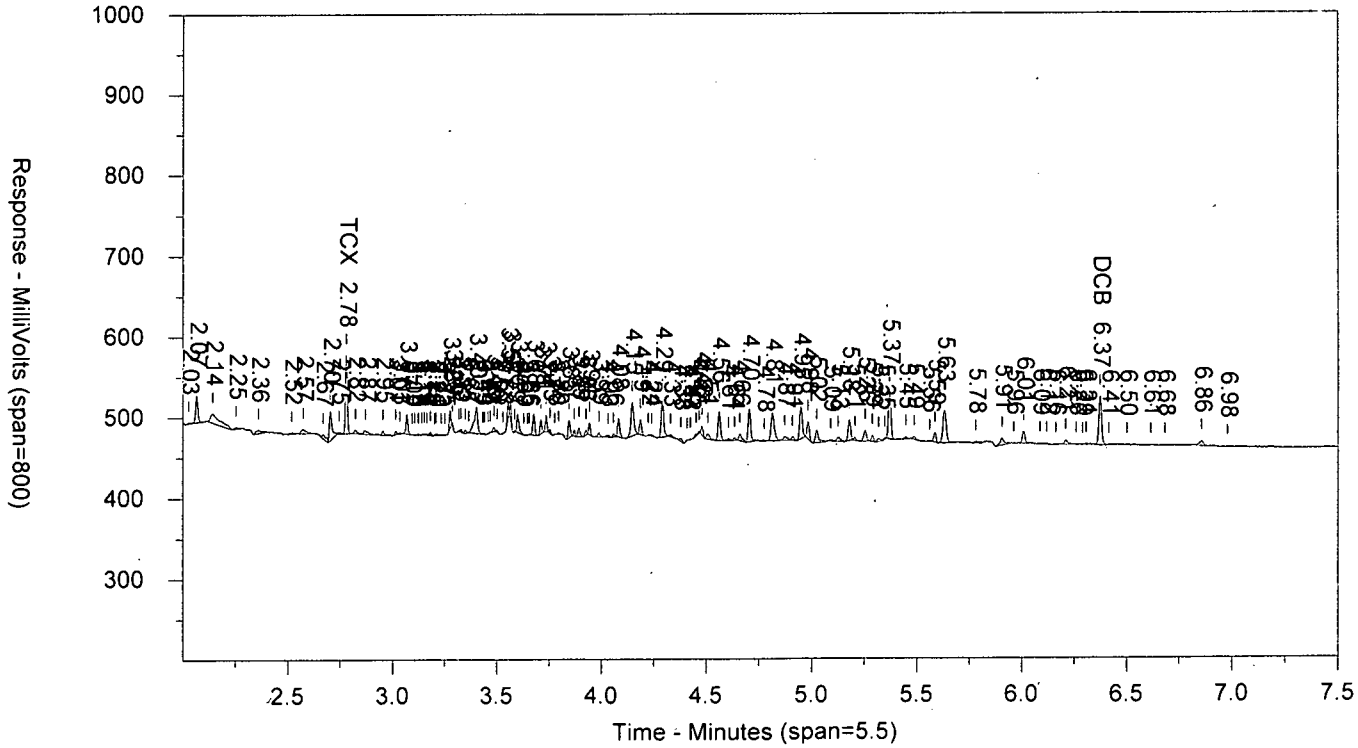

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:03:10 AM 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: 25PCBS17309001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.024		1034	730
2.073		1934	1192
2.096		7702	7432
2.142		943	1148
2.211		5750	9256
2.28		3495	7942
2.345		25672	23964
2.434		14210	9032
2.456		10788	8798
2.498		1460	1612
2.553		9148	7992
2.695		26035	36470
2.8		1194	932
2.84		721	352
2.897		13854	13052
2.962		4667	5013
3.02		482	510
3.057	TCX	5585964	3787514
3.158		2090	1039
3.208		103819	88990
3.264		118257	113042
3.313		467359	329625
3.39		8532	5692
3.409		93353	62061
3.449		1337	811
3.484		1131	1102
3.53		495190	290455
3.548		242066	128773
3.585		58662	32908
3.601		31876	15074
3.617		26978	13507
3.648		608874	434790
3.682		2259	1000
3.705		15888	8639
3.723		43927	26734
3.759		115315	68083
3.775		62285	31036
3.822		293447	159634
3.835		500052	263502
3.874		611708	473087
3.935		531947	408708
3.977		57359	39311
4.003		344659	252543
4.032		245511	242383
4.054		55690	26583
4.108		528	164
4.133		369720	270249
4.159		131934	85004
4.19		144194	107063
4.226		318320	376746
4.268		101446	78326
4.301		2037	1221
4.315		6225	3703
4.352		57807	47662

RT A	Compound A	Height A	Area A
4.392		295593	232008
4.413		52874	30051
4.437		52945	37749
4.46		15029	10181
4.506		47929	39748
4.552		358359	328069
4.587		10617	6786
4.649		10492	9738
4.693		136505	135010
4.75		39916	25576
4.766		95310	68078
4.813		204693	177923
4.86		337564	378752
4.899		93273	71395
4.94		735331	679703
4.983		30165	27479
5.031		107743	112162
5.066		42214	31015
5.09		121178	103663
5.143		703589	553511
5.161		115303	65339
5.195		186402	166771
5.236		428511	474549
5.279		4301	2286
5.313		123961	153871
5.351		947401	892702
5.374		40160	20685
5.391		10182	3844
5.414		494247	453347
5.457		324879	310208
5.514		833	454
5.555		60862	57165
5.579		539992	469425
5.637		306859	273667
5.677		171223	151842
5.719		47917	43742
5.76		217611	194715
5.785		1405	569
5.816		1449725	1486445
5.904		1665	1772
5.931		692	241
5.962		715	631
6.023		864869	859947
6.062		60697	78626
6.077		90676	63779
6.176		842	820
6.211		58064	56103
6.274		34464	29579
6.296		161994	134828
6.328		4359	4309
6.38		692	270
6.4		1456	1592
6.453		393704	391779
6.498		27429	25706
6.601		5391	7889
6.656		173204	172904
6.761		1091	1743
6.805	DCB	3304322	3315694
6.88		2281	1965
6.915		1235	1090

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:03:10 AM 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: 25PCBS17309001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.038		1842	1434
2.075		47309	67268
2.139		12705	23993
2.207		21160	23141
2.301		8400	10737
2.359		4751	15890
2.46		37182	33297
2.516		1922	2204
2.57		5338	7359
2.703		25857	20160
2.734		3269	3154
2.779	TCX	10241250	6329811
2.823		121882	100400
2.866		3945	6229
2.952		208162	147803
3.001		59440	28564
3.013		117860	56464
3.067		823980	530431
3.12		21260	12829
3.148		215	149
3.163		575	72
3.181		164777	112504
3.205		685	147
3.214		909	384
3.229		724	151
3.235		1090	729
3.258		729	265
3.277		704564	360177
3.289		246207	91807
3.329		118981	74956
3.352		89151	52173
3.378		65652	37272
3.402		974548	683999
3.439		67205	39377
3.468		31950	14978
3.485		204433	108568
3.501		113574	56845
3.53		1601	756
3.552		593041	265424
3.563		938401	410735
3.583		50655	18941
3.597		873736	601573
3.65		702	71
3.655		811	127
3.673		942810	619355
3.707		573280	358418
3.732		731883	432776
3.751		205697	104280
3.77		11680	5521
3.794		1739	287
3.843		707231	503017
3.868		261326	153210
3.89		247609	156723
3.922		240144	133658

RT B	Compound B	Height B	Area B
3.94		430799	262932
3.984		168010	123813
4.025		77154	82823
4.057		59700	38412
4.079		569106	399179
4.107		70825	42840
4.129		10017	5015
4.145		93929	65698
4.184		529759	391463
4.222		27414	18798
4.239		76862	52697
4.288		36415	26311
4.31		5688	2297
4.328		146387	143517
4.375		19039	11069
4.399		120713	90263
4.446		143708	87734
4.464		80356	38604
4.477		377580	234633
4.504		228351	237471
4.56		1198274	980336
4.604		56813	46545
4.632		95859	65874
4.658		257819	191203
4.679		19882	8751
4.702		1304579	1028730
4.812		1180249	1098874
4.87		137627	123693
4.908		280374	275724
4.946		1286031	1099204
4.979		640408	461338
5.02		443897	370930
5.089		2477	2508
5.124		164448	170075
5.177		882454	723651
5.202		103357	69512
5.251		473468	432175
5.287		229009	177106
5.314		150854	137833
5.347		49903	29420
5.368		2047010	1651415
5.409		43114	32961
5.446		109867	94688
5.56		21753	13441
5.584		399416	332210
5.628		1351637	1431559
5.786		75520	63962
5.825		38576	29632
5.853		58648	46889
5.902		241510	218136
6.005		549404	456964
6.036		32395	23702
6.161		2012	2446
6.206		232121	208144
6.304		793	174
6.327		1701	1029
6.368	DCB	4700805	4151851
6.481		1241	884
6.522		1248	556
6.543		3837	4150
6.613		1985	1531
6.665		1081	1273
6.761		1309	1195
6.801		1062	450
6.823		3748	3043
6.855		5213	3959

RT B	Compound B	Height B	Area B
6.905		1420	406

IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082

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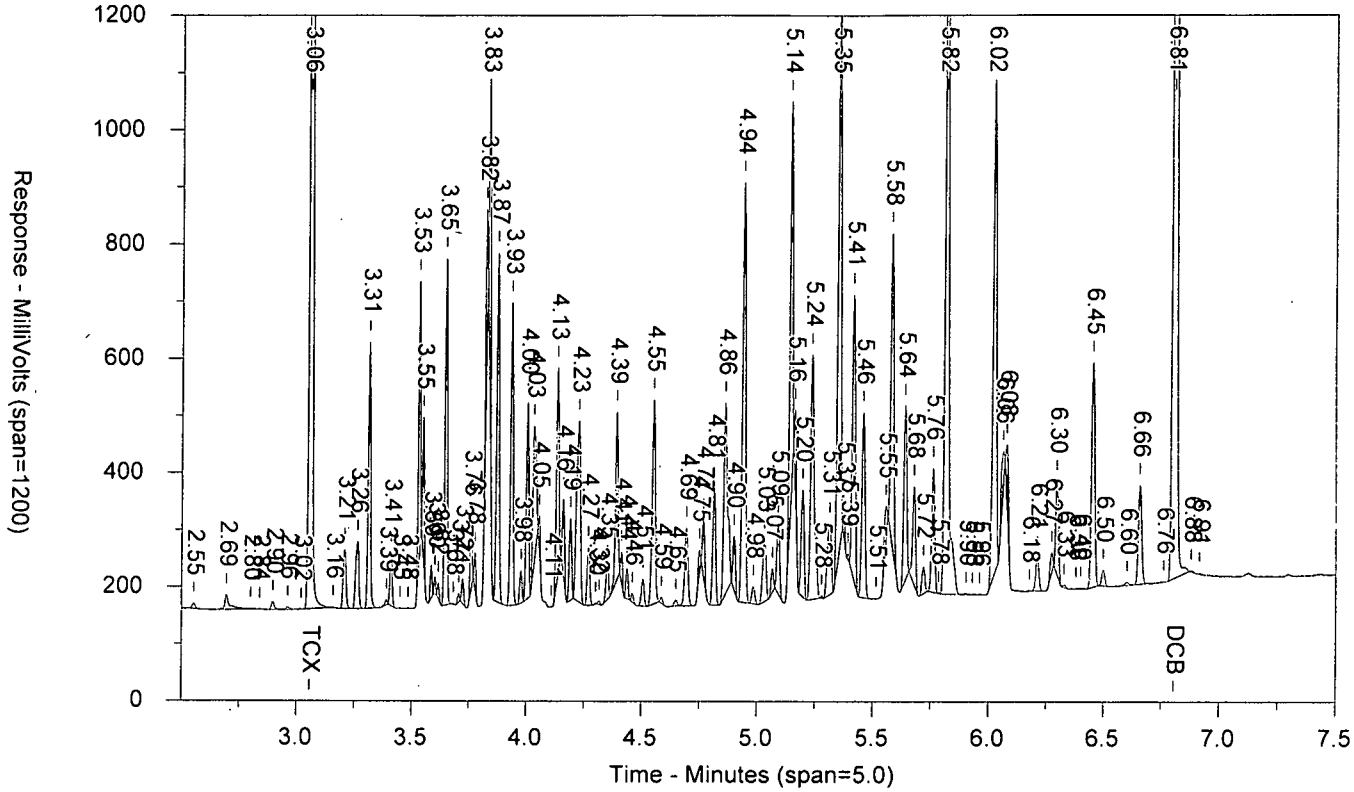

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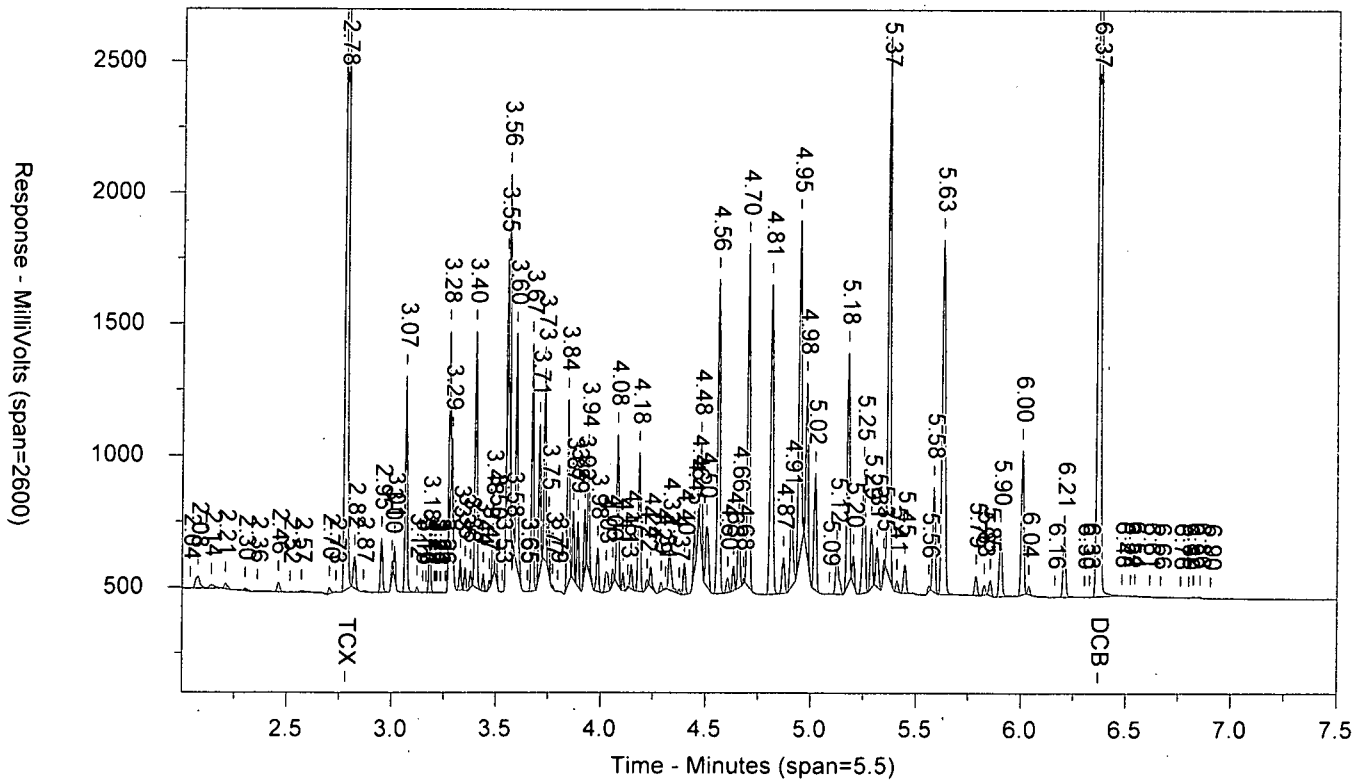

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:03:10 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.057	5585964	40.523	TCX	2.779	10241250	42.01	TCX
6.805	3304322	39.357	DCB	6.368	4700805	40.926	DCB

Files:
Area File: 25PCBS17309001.032.RAW
Area File: 25PCBS17309001B.032.RAW
Method A: 25PCBS.MET.
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/6/2017 12:11:42 AM
File Reported On: 11/7/2017 at 12:10:01 PM

IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082

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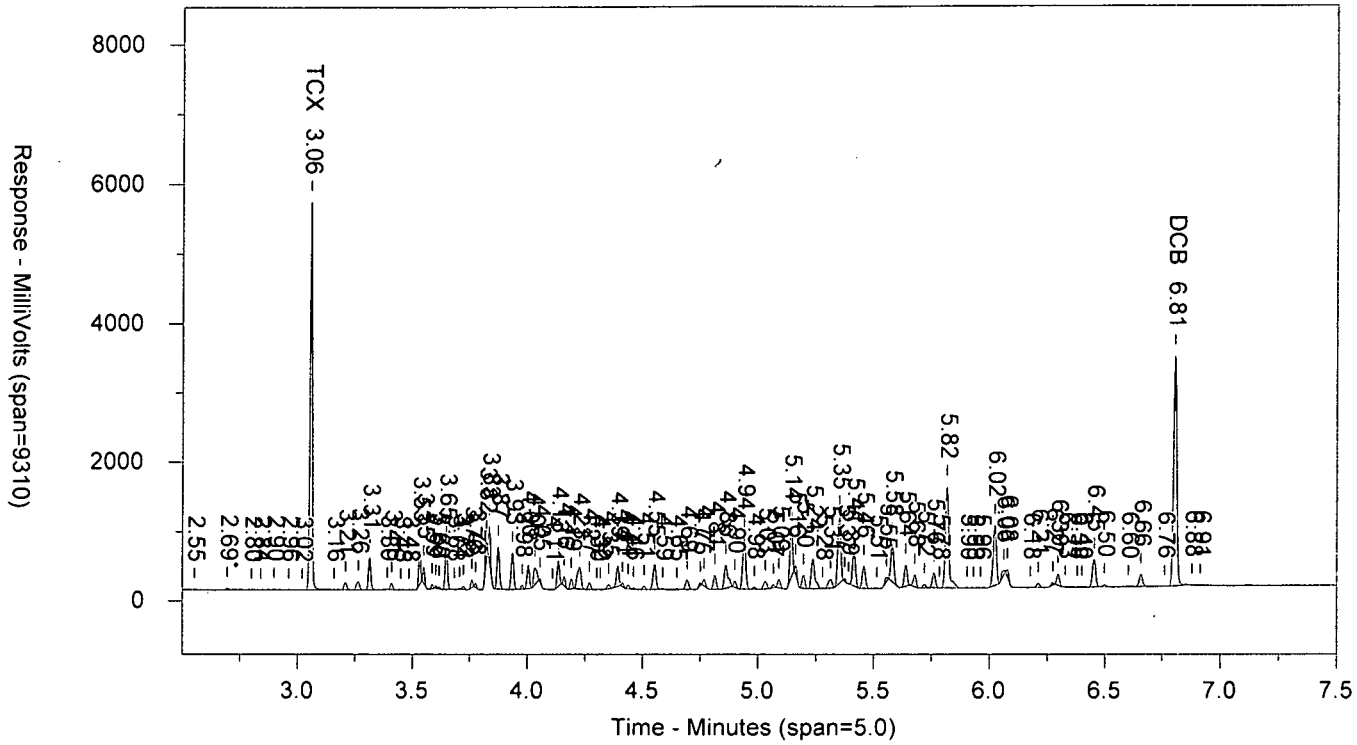

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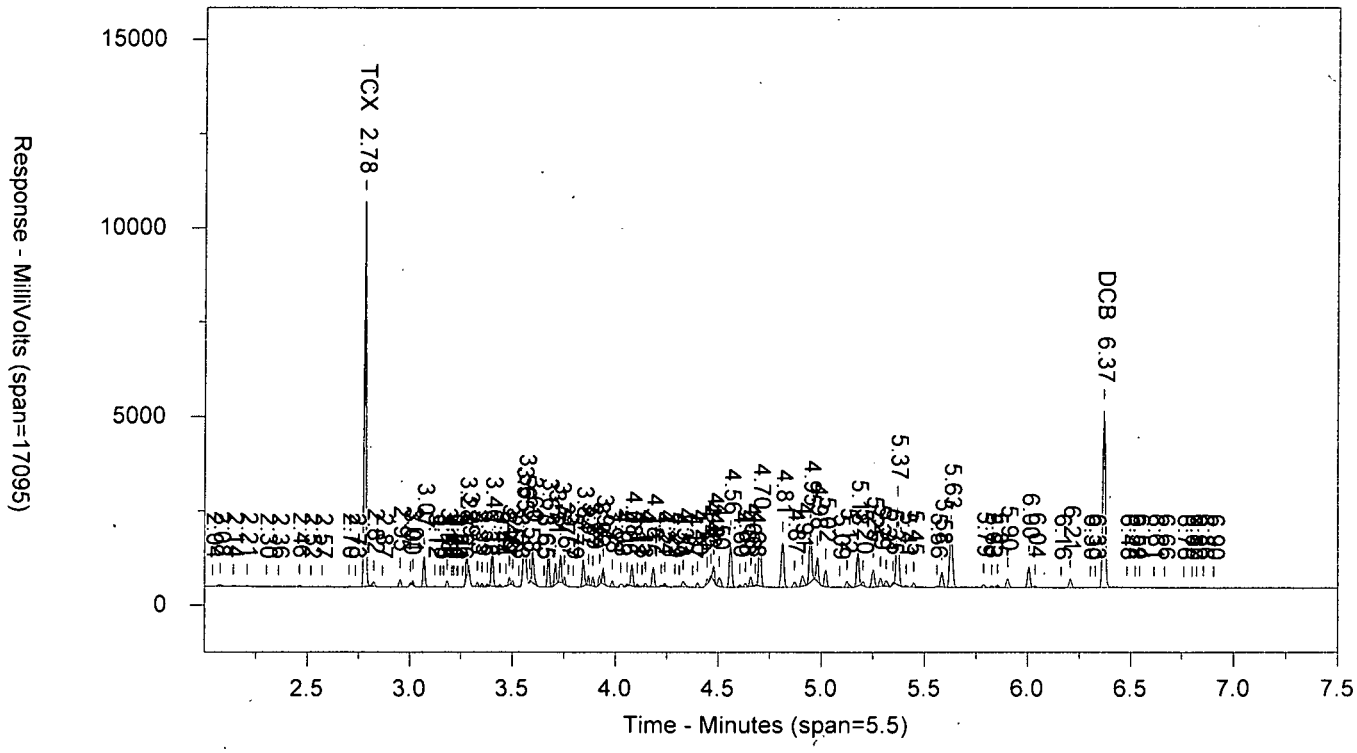

IC16X1724C AAIC16XAA CCAL 1730899999 10225 SW-846 8082

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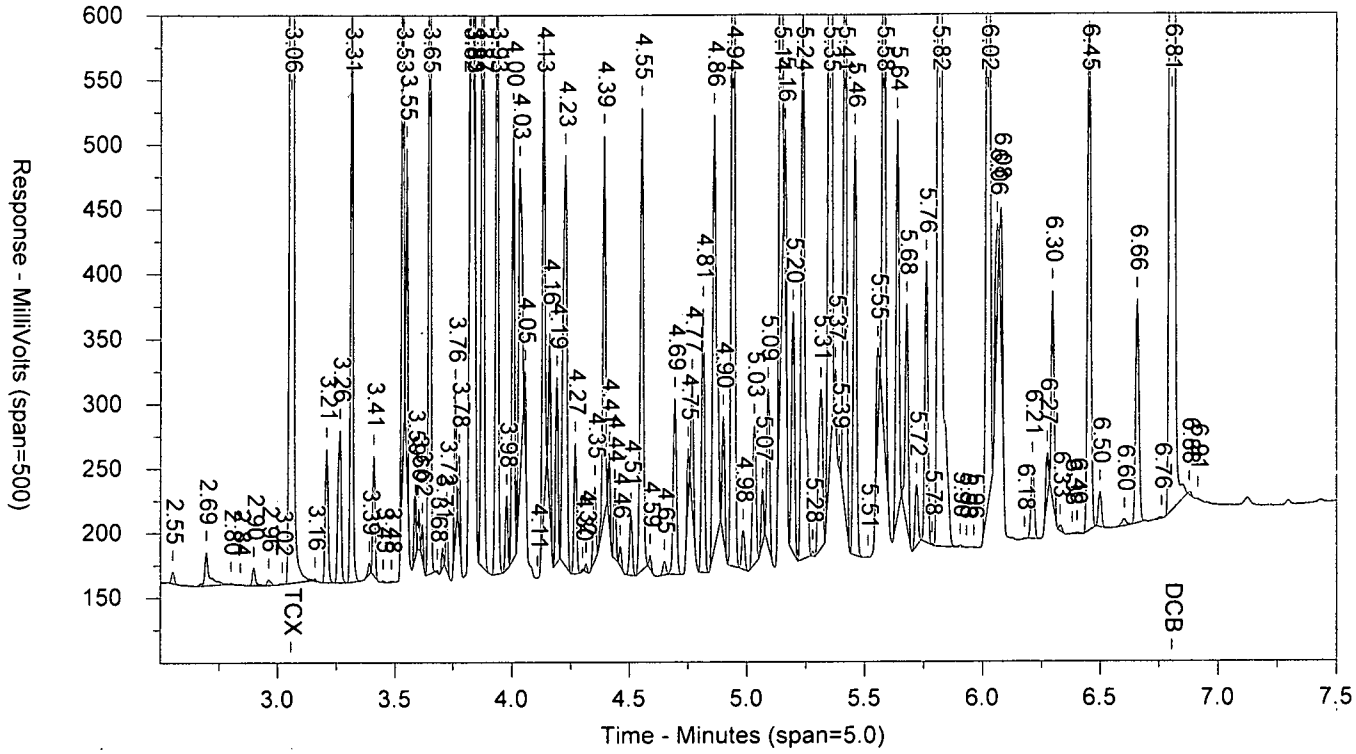

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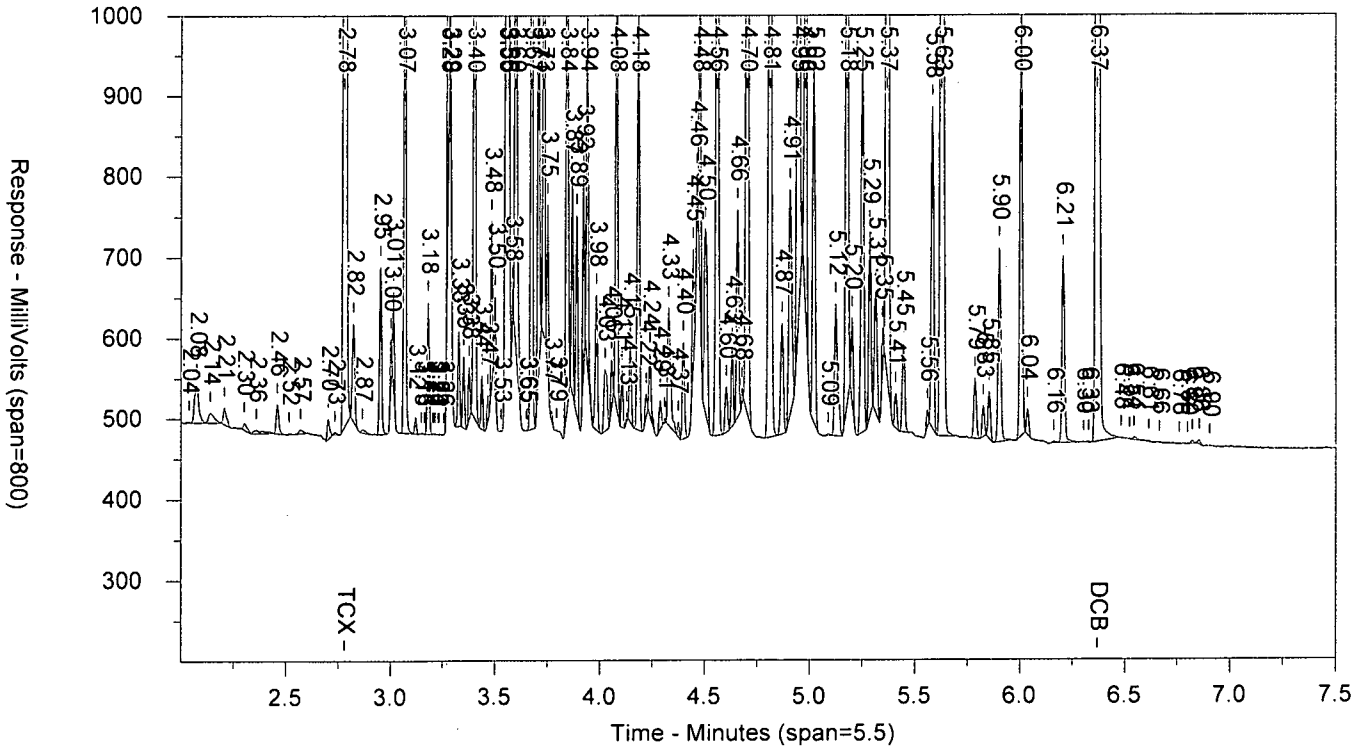

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:14:26 AM 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: 25PCBS17309001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.027		1774	1052
2.074		1282	853
2.096		9563	9305
2.147		574	503
2.21		5304	8333
2.284		3208	7155
2.346		23916	22518
2.436		11135	7067
2.458		10440	8298
2.498		1614	1770
2.53		761	305
2.554		9661	8589
2.616		787	429
2.697		15095	28462
2.804		1226	1206
2.898		14356	13219
2.962		5679	5122
3		568	276
3.058	TCX	5564253	3700238
3.159		1722	1020
3.21		37101	32618
3.26		71273	59175
3.316		108701	80648
3.392		10547	7748
3.411		29342	18687
3.493		1102	1384
3.533		237473	145450
3.55		77008	40837
3.588		15341	8476
3.605		17371	9673
3.651		253592	177664
3.674		2317	1776
3.709		16007	8813
3.725		26339	15383
3.762		40732	23474
3.777		10444	4815
3.824		184964	107001
3.837		186213	103401
3.876		287063	232348
3.937		270401	219334
3.979		49825	33253
4.005		475565	343235
4.034		300882	252753
4.057		92536	52467
4.136		524126	382620
4.161		157494	105994
4.193		195618	148869
4.229		452079	443237
4.271		155853	125085
4.318		13100	9578
4.357		60574	68787
4.393		395415	281217
4.415		516633	336206
4.439		549489	410960

RT A	Compound A	Height A	Area A
4.508		49418	45472
4.549		483297	413795
4.572		153983	83700
4.589		83115	47183
4.631		6995	4792
4.654		29732	22494
4.698		168715	160847
4.751		214589	184855
4.784		126244	96946
4.815		355311	313176
4.862		3922	2520
4.879		977	432
4.903		146676	131950
4.942		17533	12381
4.956		4403	2274
4.992		37773	34415
5.035		242836	219372
5.068		28182	23169
5.118		22255	24355
5.145		21454	13758
5.164		19938	13350
5.199		2338	1992
5.236		277106	252905
5.28		5545	3983
5.31		54722	53790
5.354		64350	57764
5.376		4019	1782
5.408		19278	29738
5.455		1797	1368
5.485		556	357
5.5		1298	1397
5.563		24635	20051
5.582		2042	1123
5.641		7129	9549
5.678		1274	558
5.736		15159	27906
5.761		10092	6573
5.789		2553	1879
5.818		5273	3788
5.842		28598	25012
5.911		416	253
5.922		490	281
5.981		466	369
6.042		22370	48274
6.16		544	1653
6.188		504	172
6.214		27647	26512
6.279		26755	21655
6.299		1567	811
6.33		16732	22910
6.398		1473	2573
6.458		2245	2939
6.501		848	1046
6.557		254	373
6.6		16289	25842
6.66		37788	37798
6.71		475	69
6.76		1063	498
6.809	DCB	3148868	3157084
6.858		10566	13158

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:14:26 AM 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: 25PCBS17309001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.076		43985	63676
2.139		10344	17537
2.206		19540	20748
2.303		8593	12683
2.359		5223	12710
2.461		19841	16837
2.572		5975	20836
2.686		2702	1139
2.703		27248	21341
2.78	TCX	9928871	6193072
2.824		42363	33505
2.868		4121	7220
2.953		77062	58795
3.002		112012	93329
3.068		188253	124577
3.108		766	127
3.121		20303	12172
3.145		534	118
3.151		916	434
3.182		58053	38249
3.208		473	137
3.213		639	128
3.225		880	230
3.249		415	113
3.258		658	97
3.278		367063	193710
3.29		54007	21018
3.33		37128	21953
3.353		40776	24606
3.38		1933	980
3.403		397659	292194
3.44		45403	26902
3.469		36417	18844
3.486		64655	34664
3.501		18483	8590
3.519		406	107
3.527		734	166
3.534		736	151
3.553		374379	178826
3.564		340327	150242
3.585		73825	31789
3.599		372667	253084
3.676		498103	329727
3.709		808513	502955
3.734		772964	445923
3.753		255462	136738
3.772		2063	843
3.795		5014	11758
3.844		957985	672476
3.869		308629	181554
3.891		335969	215023
3.924		173544	91925
3.942		688663	427071
3.986		263215	195145

RT B	Compound B	Height B	Area B
4.035		57510	49043
4.057		544782	346323
4.081		1317307	886760
4.108		844614	564949
4.129		68031	34613
4.147		82729	49600
4.185		357905	274042
4.224		572614	431207
4.241		45763	15335
4.255		356556	210772
4.289		20319	11097
4.303		28561	17074
4.34		229364	213779
4.401		353753	287759
4.436		220333	157477
4.464		569467	429301
4.503		8963	8654
4.548		10924	8286
4.565		179640	136269
4.599		61279	46767
4.633		390541	300723
4.66		13664	7447
4.681		15983	8864
4.703		40227	26575
4.733		32268	26753
4.811		60949	61413
4.865		372616	316600
4.905		2914	1317
4.922		57037	39599
4.948		87864	92520
5.001		7580	6386
5.019		2831	1868
5.088		2145	2826
5.14		5040	5750
5.178		5480	3543
5.202		34839	28551
5.25		10323	26332
5.325		19086	20501
5.348		15984	10240
5.369		7370	4546
5.39		3195	2013
5.448		42029	35701
5.485		3921	3638
5.53		1378	956
5.63		19187	43117
5.714		844	246
5.733		942	361
5.788		32938	29410
5.854		28669	24872
5.904		17078	36529
5.975		1275	764
6.004		2834	3127
6.16		7091	15080
6.208		48124	41059
6.238		1400	736
6.293		926	512
6.338		696	536
6.372	DCB	4589054	3959567
6.54		1250	875
6.659		1102	1030
6.695		959	570
6.827		4650	4277
6.854		5758	4229
6.901		1122	1359
6.99		1084	816

IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082

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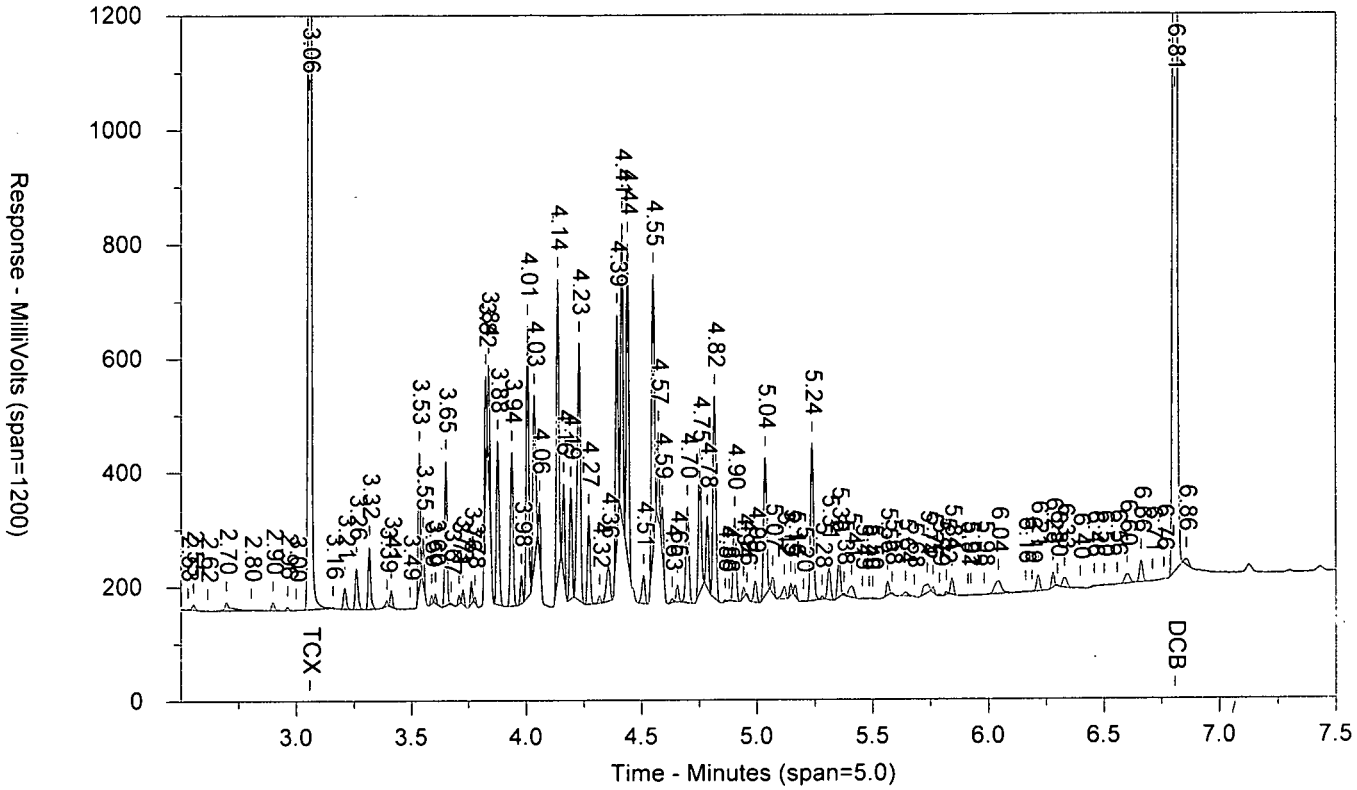

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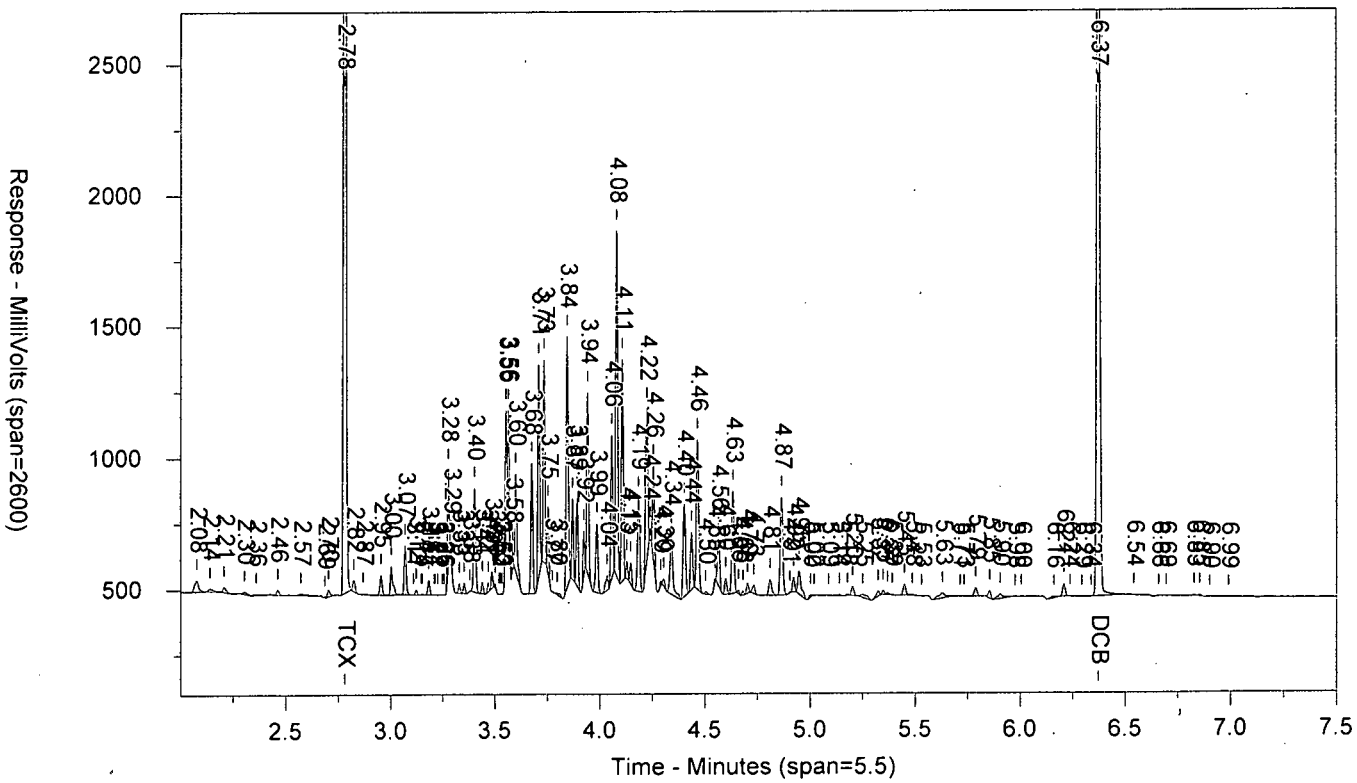

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:14:26 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	5564253	40.365	TCX	2.78	9928871	40.729	TCX
6.809	3148868	37.505	DCB	6.372	4589054	39.953	DCB

Files:
Area File: 25PCBS17309001.033.RAW
Area File: 25PCBS17309001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/6/2017 12:23:00 AM
File Reported On: 11/7/2017 at 12:10:35 PM

IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082

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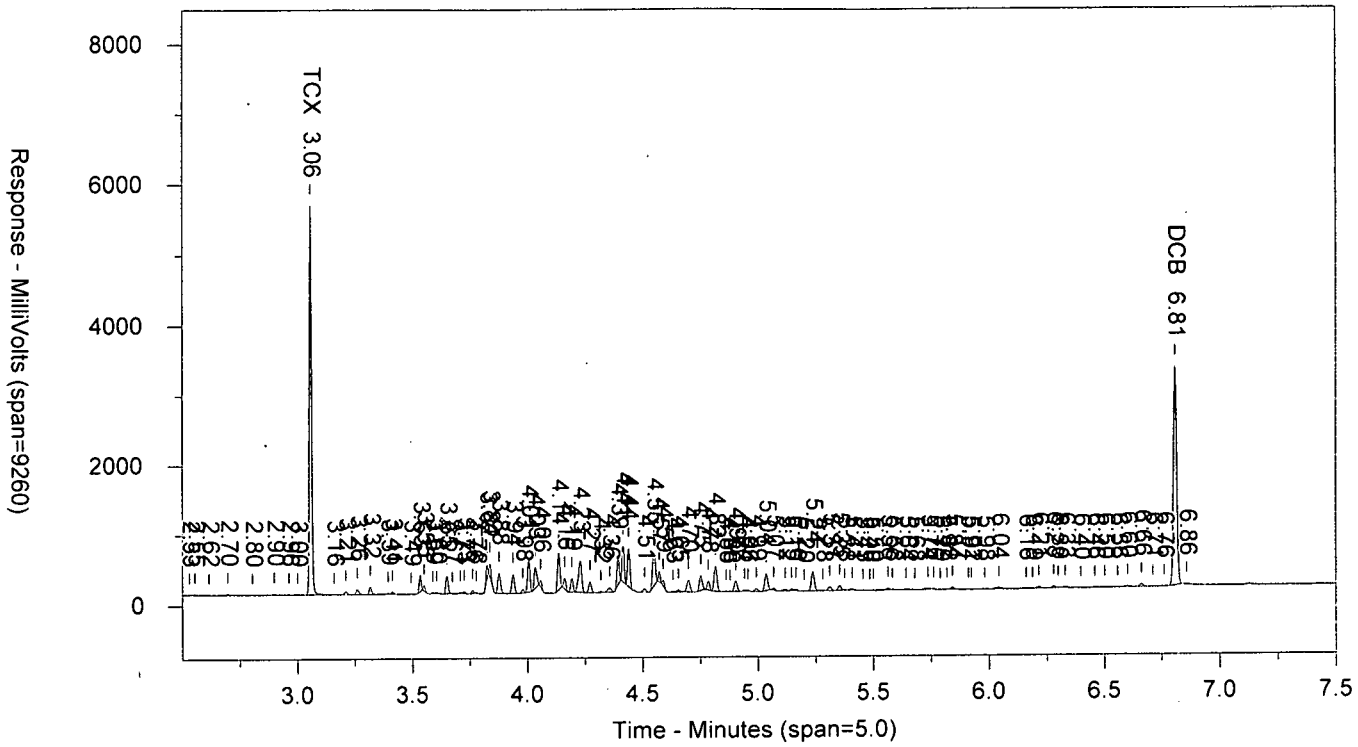

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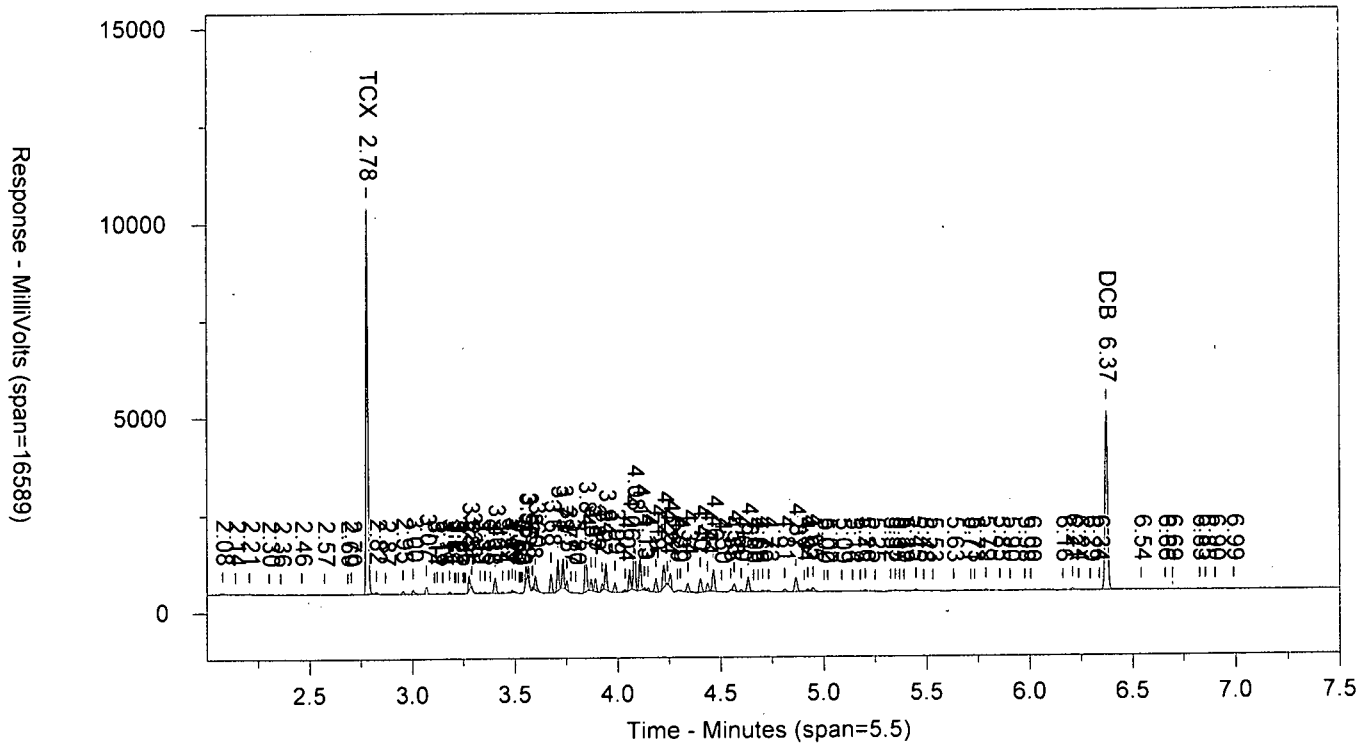

IC48X1724B AAIC48XAA CCAL 1730899999 10225 SW-846 8082

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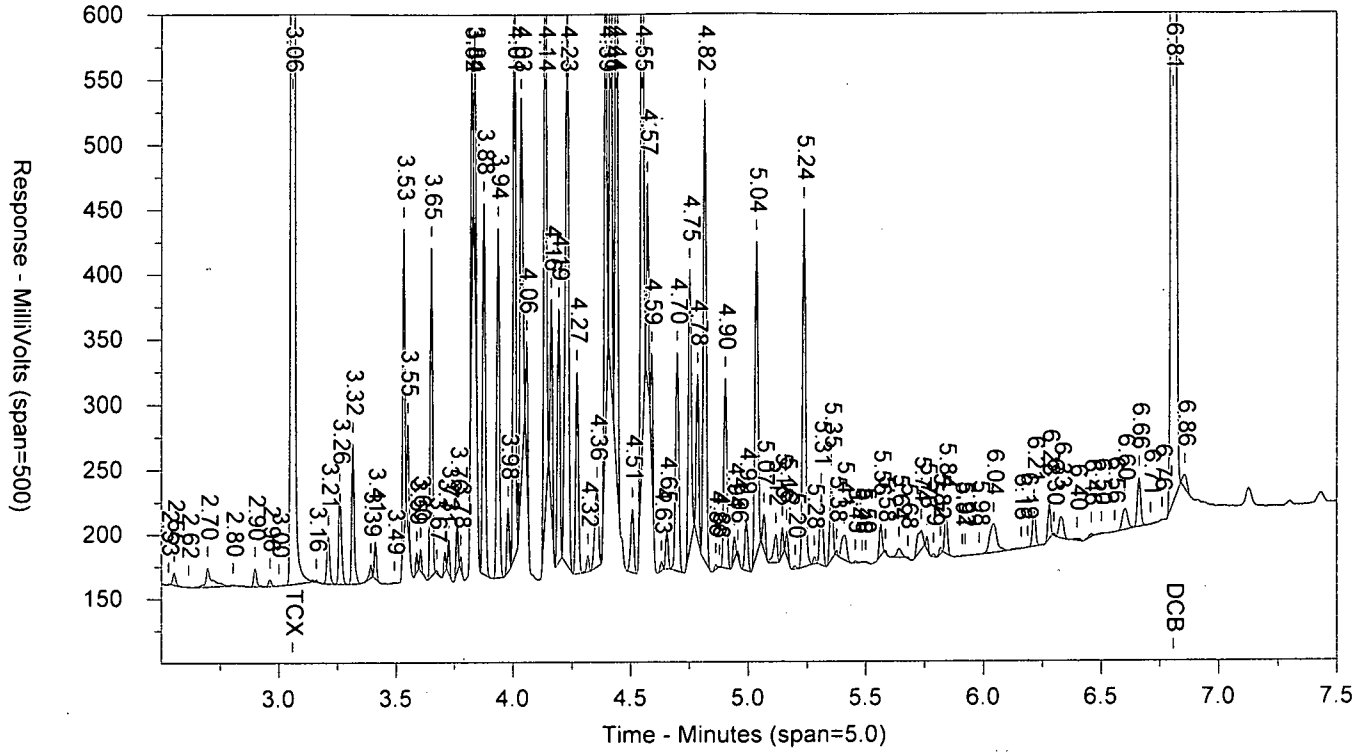

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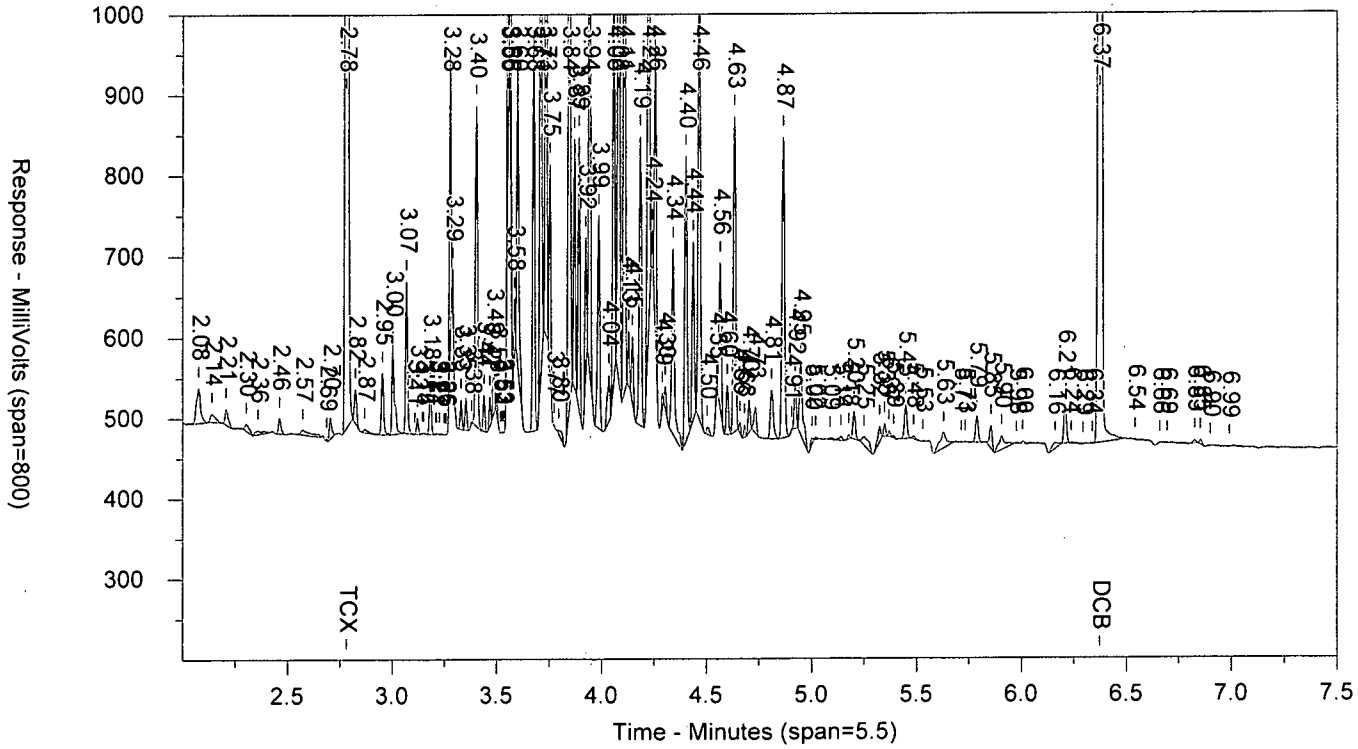

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:25:48 AM 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: 25PCBS17309001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.027		1124	725
2.073		566	316
2.097		8574	9111
2.151		1087	1225
2.212		4222	6485
2.266		465	236
2.281		1687	2158
2.347		11970	11553
2.436		16351	10395
2.459		5040	3647
2.498		1274	1469
2.532		533	193
2.554		6487	5298
2.623		734	627
2.678		537	542
2.698		10935	18651
2.807		905	906
2.841		1146	734
2.871		578	296
2.898		16797	15153
2.962		3908	3256
3.013		570	230
3.058	TCX	2803326	1847747
3.159		1009	633
3.21		17445	15529
3.26		36700	31013
3.315		49548	37055
3.392		6200	5442
3.412		26407	17530
3.49		1067	1138
3.534		59410	35785
3.552		19219	13325
3.589		2799	1454
3.605		24441	15291
3.651		86125	59055
3.677		2092	1801
3.709		6273	3398
3.726		44442	27541
3.763		5248	3187
3.779		1747	854
3.806		2007	1188
3.825		11982	6563
3.845		24027	18489
3.878		103846	85239
3.914		588	214
3.937		58344	43929
3.979		13923	9324
4.006		431942	319557
4.035		131010	167482
4.085		3331	1970
4.136		270821	206803
4.162		17832	10595
4.194		49601	34702
4.229		134731	160573

RT A	Compound A	Height A	Area A
4.272		31889	24035
4.302		2765	1607
4.318		3831	2252
4.354		48560	42558
4.395		639855	456633
4.415		266442	162383
4.441		189617	145791
4.463		8376	4125
4.509		177766	155195
4.553		956167	934969
4.589		335819	272739
4.631		13584	9244
4.656		65260	50409
4.699		345459	313422
4.752		623625	549217
4.786		151734	102567
4.816		1238761	1056104
4.864		62781	44146
4.879		30394	16434
4.904		187393	153359
4.943		377529	382331
4.993		90451	80018
5.036		848868	784971
5.067		28976	19539
5.093		84073	66423
5.118		19536	11923
5.146		325805	244746
5.164		181912	120181
5.197		12056	9469
5.238		710958	658654
5.282		82360	65261
5.308		93142	126937
5.354		850223	753108
5.376		61977	31300
5.395		44873	24416
5.417		26997	17754
5.46		33130	26786
5.48		5845	3225
5.516		635	170
5.537		2016	1305
5.564		257992	205503
5.582		30332	18494
5.612		2133	1283
5.639		41429	39198
5.679		35054	29926
5.72		9621	7721
5.762		194738	173532
5.788		32589	22370
5.818		135660	120336
5.841		5125	3423
5.904		1026	790
5.945		818	346
6.026		124778	118905
6.056		22179	20304
6.121		1096	1042
6.163		470	195
6.179		562	145
6.213		10862	12175
6.278		11481	11790
6.3		4309	2799
6.333		2762	2846
6.388		959	2657
6.456		8216	7967
6.501		1140	1641
6.538		989	669
6.608		2384	4331

RT A	Compound A	Height A	Area A
6.66		17182	16808
6.741		663	503
6.755		485	181
6.772		641	283
6.809	DCB	1648519	1650989
6.861		1616	1007

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:25:48 AM 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: 25PCBS17309001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.04		1939	2212
2.066		36943	47953
2.142		9496	19143
2.207		9284	9125
2.307		5328	7583
2.358		3426	5133
2.461		17286	14316
2.575		6326	26708
2.671		6691	9962
2.704		34193	29810
2.746		2608	1619
2.78	TCX	4955790	3067807
2.825		42979	36274
2.868		3955	5626
2.953		37653	27748
3.002		60238	50904
3.069		86093	56703
3.095		849	240
3.121		10364	6277
3.151		440	234
3.166		759	170
3.183		51163	33420
3.209		1447	812
3.222		464	100
3.237		1109	302
3.257		830	199
3.279		85781	46630
3.29		10290	3035
3.331		10648	5729
3.354		48945	30017
3.405		144129	113875
3.44		76811	47187
3.469		20412	11070
3.488		2624	1246
3.494		3867	3238
3.523		444	156
3.533		545	276
3.554		31268	15505
3.565		14299	4858
3.586		29346	14118
3.6		103548	96307
3.645		864	296
3.654		442	120
3.677		101382	66845
3.71		762434	488761
3.735		349843	213240
3.753		20426	8878
3.774		14375	15143
3.844		467350	324742
3.87		42352	23892
3.892		90742	63556
3.925		116304	65735
3.942		149266	83736
3.986		56042	45431

RT B	Compound B	Height B	Area B
4.027		56526	53705
4.058		150789	92968
4.082		1710093	1178322
4.109		172607	103024
4.13		150222	82924
4.148		281960	176382
4.186		1408350	1027805
4.22		560631	386841
4.241		380642	245358
4.304		109240	114488
4.341		526519	429827
4.375		3299	1490
4.402		1056884	835477
4.437		285654	205963
4.465		1950770	1486581
4.506		142194	142406
4.563		839987	795696
4.6		138447	114353
4.634		1280763	968437
4.66		195799	131243
4.704		705536	577457
4.733		44933	29545
4.812		717518	667220
4.866		910833	740778
4.908		207167	183292
4.948		1352896	1329833
4.998		97596	65188
5.021		40104	27969
5.087		18312	18014
5.142		73073	67246
5.179		72936	51570
5.204		423539	341103
5.254		54331	45610
5.289		44853	35117
5.318		19605	18434
5.349		213838	151150
5.369		127491	81681
5.389		25675	14625
5.412		3799	1914
5.448		21784	20127
5.484		2921	2854
5.549		892	796
5.586		6024	4085
5.628		180785	178242
5.788		13433	11983
5.829		9262	7657
5.854		13049	10670
5.903		11478	11147
6.006		9218	8024
6.053		1500	644
6.112		2062	2641
6.208		21597	23361
6.303		650	300
6.371	DCB	2292171	2080077
6.505		1896	1159
6.588		866	311
6.615		881	419
6.661		1304	547
6.719		1500	1515
6.826		1866	1309
6.857		4392	3356
6.915		887	1272

IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082

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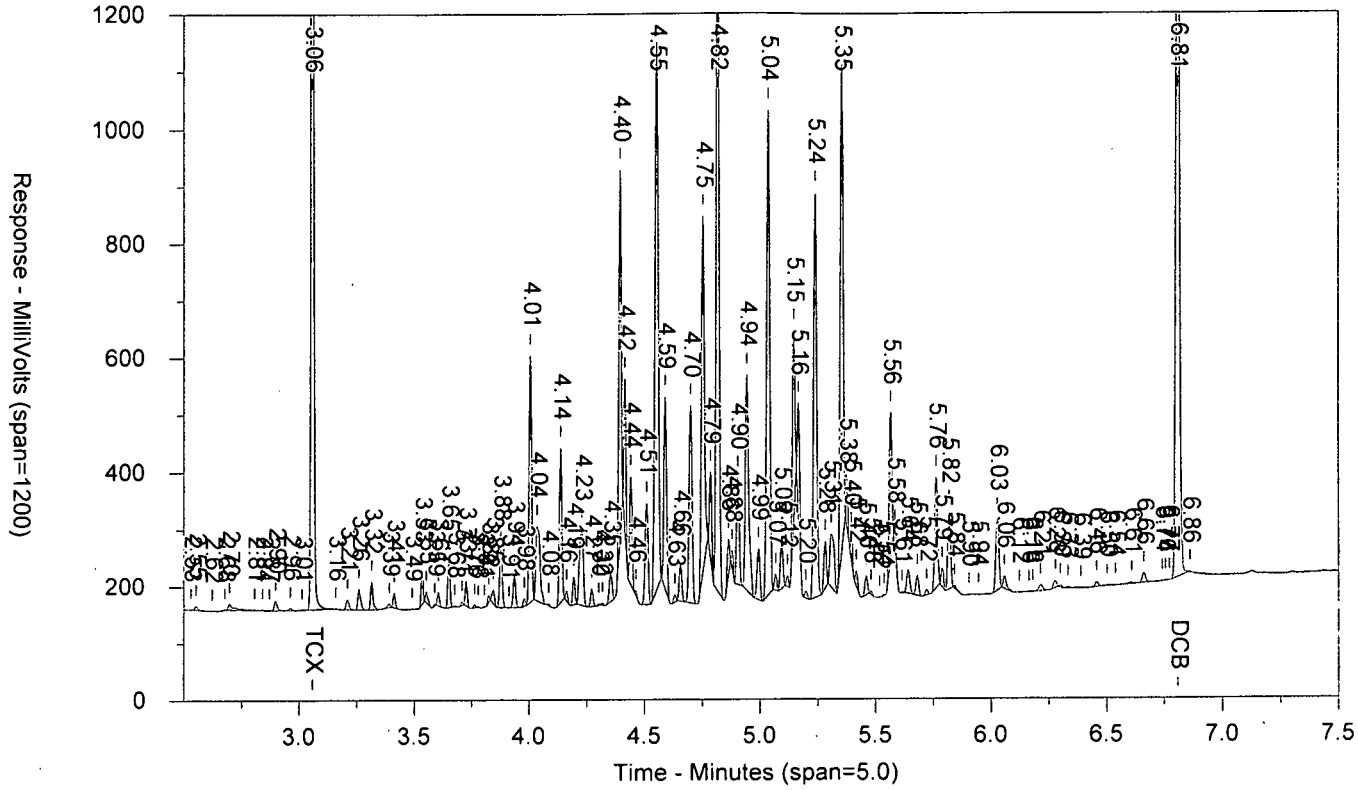

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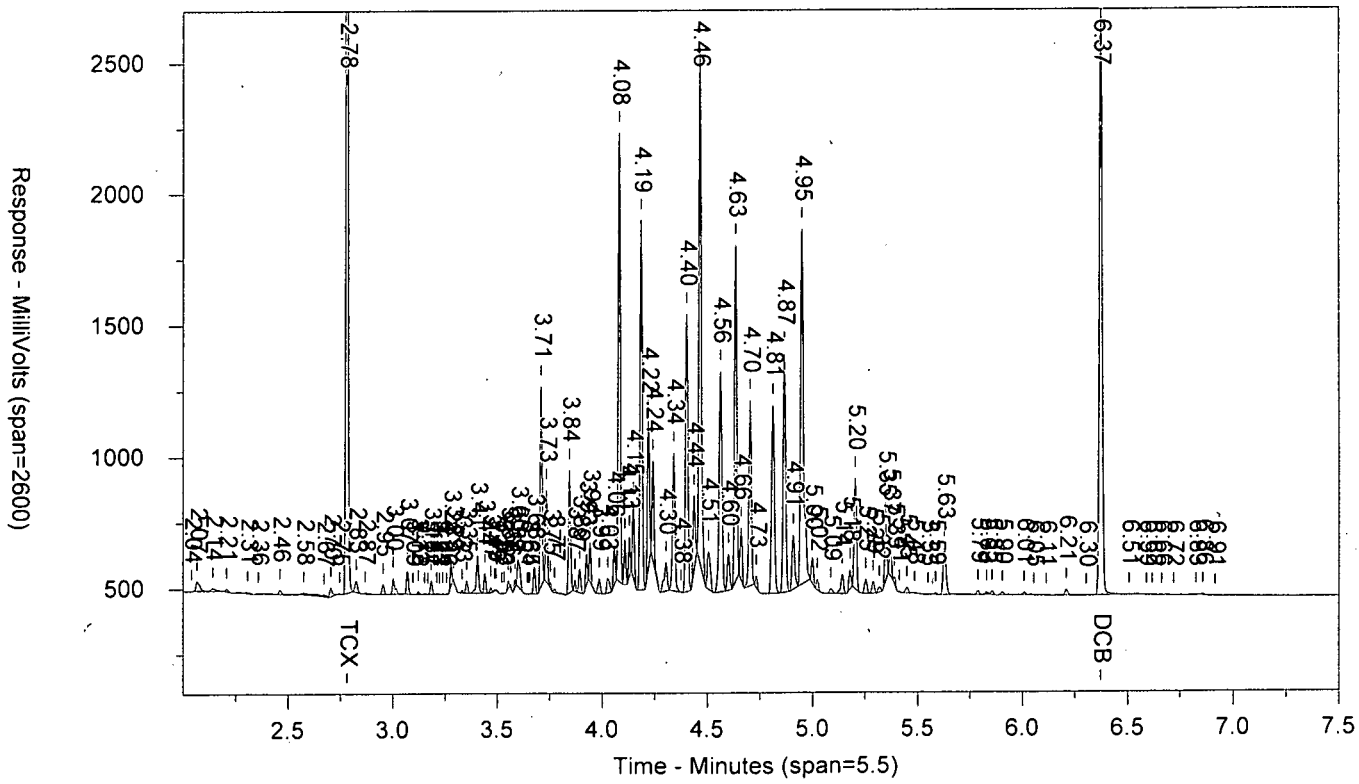

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082
Injected On: 11/6/2017 12:25:48 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.058	2803326	20.336	TCX	2.78	4955790	20.329	TCX
6.809	1648519	19.635	DCB	6.371	2292171	19.956	DCB

Files:
Area File: 25PCBS17309001.034.RAW
Area File: 25PCBS17309001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/6/2017 12:34:18 AM
File Reported On: 11/7/2017 at 12:11:09 PM

IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082

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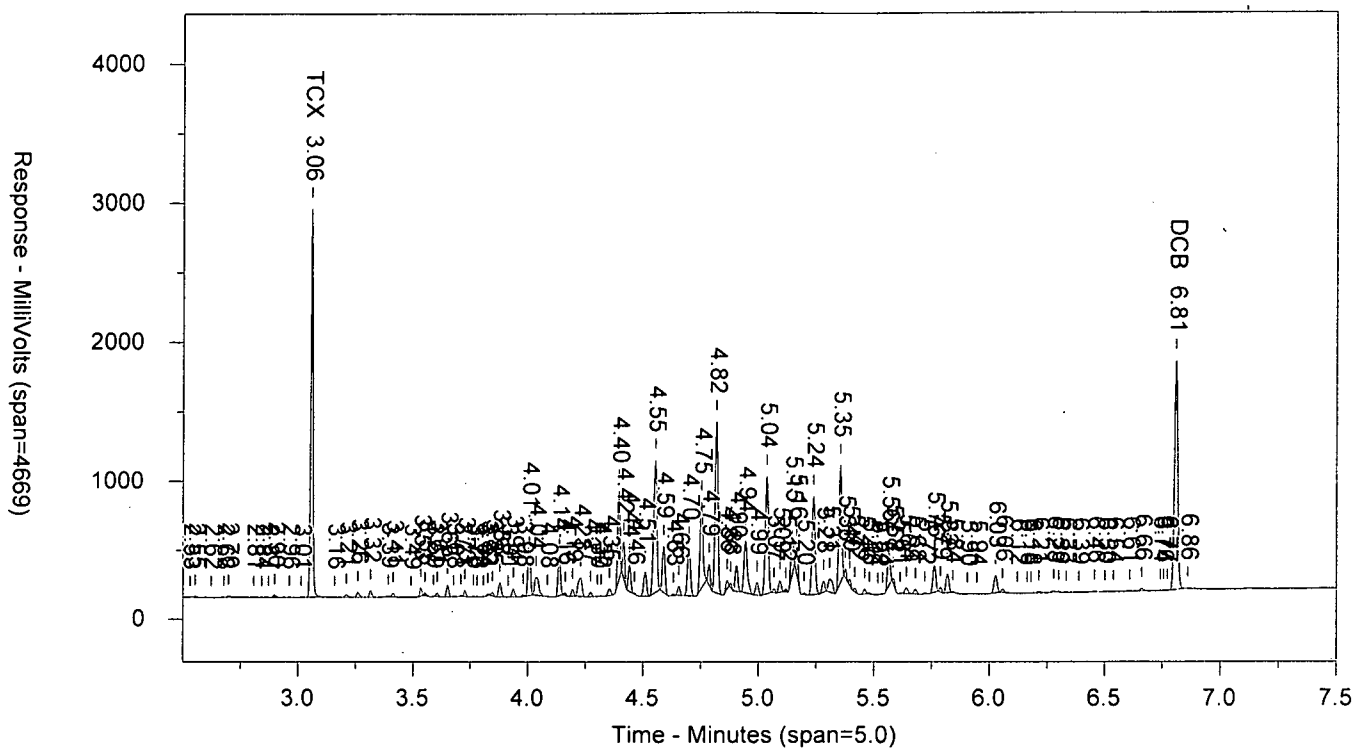

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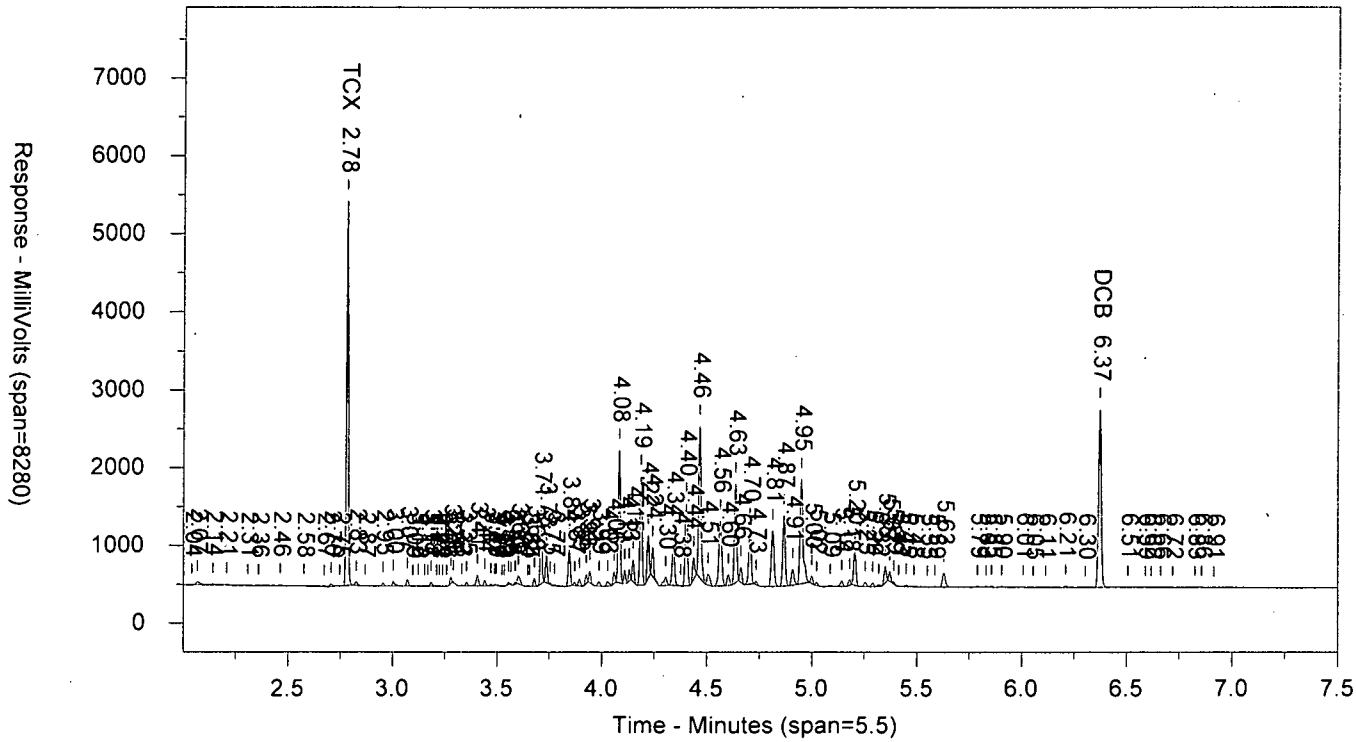

IC54X1724B AAIC54XAA CCAL 1730899999 10225 SW-846 8082

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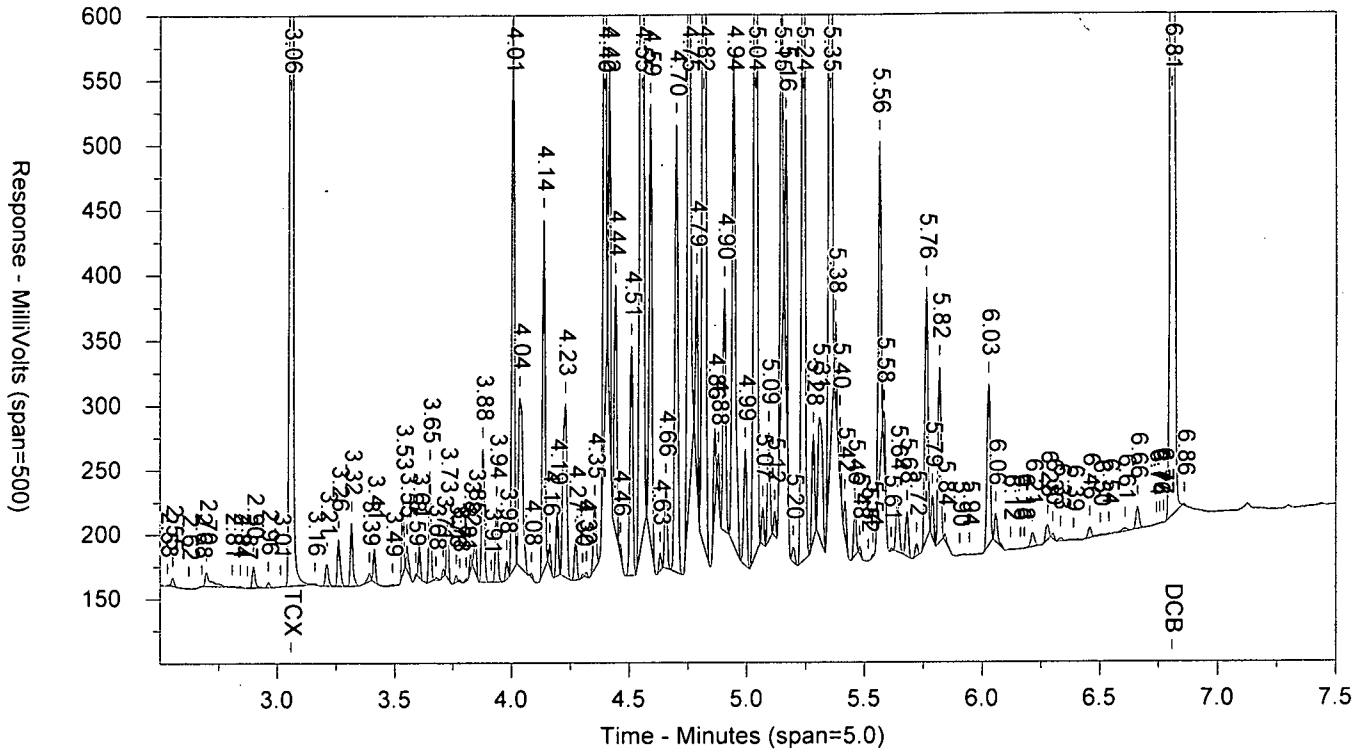

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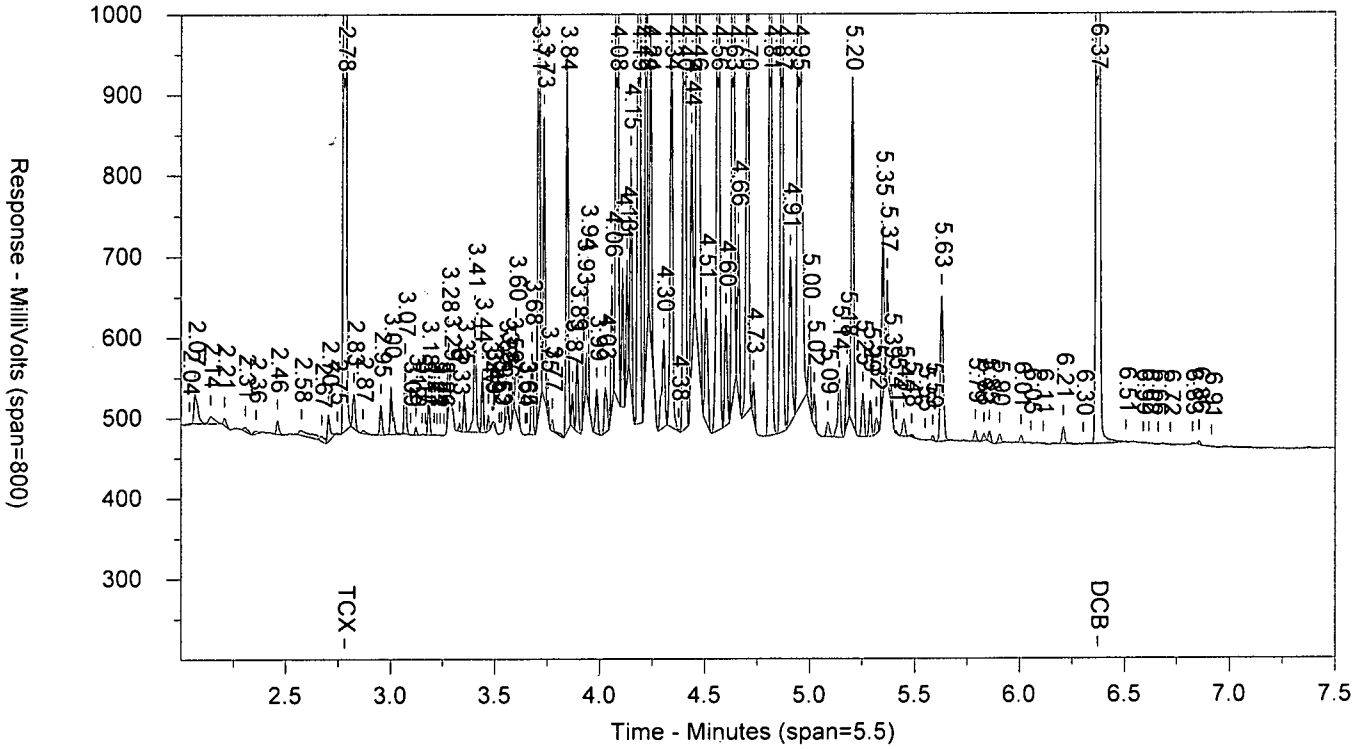

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 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: 07PCBS17292001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.676		56604	253345
1.789		5056	3665
2.044		3317	2559
2.128		48416	118871
2.18		58479	185802
2.247		33423	76857
2.315		75637	108758
2.409		28161	22488
2.426		29513	24035
2.464		5889	6134
2.577		14239	17378
2.873		14392	9731
2.96		16053	15335
3.028	TCX	12862550	8470267
3.229		154092	101206
3.361		38473	30474
3.497		4182	4814
3.599		2853	1646
3.651		2154	1058
3.674		29414	22291
3.728		5061	17796
3.776		2270	2014
3.84		2041	1054
3.855		853	147
3.861		985	235
3.879		2172	1641
3.9		734	236
3.905		1648	399
3.937		1944	1361
3.952		1497	784
4.004		5013	9943
4.047		3971	4769
4.074		1467	613
4.117		1665	567
4.13		1337	665
4.182		1617	678
4.328		1629	396
4.397		3291	6441
4.416		8185	7660
4.452		1332	579
4.513		10556	9229
4.711		17104	18398
4.759		3538	7695
4.836		1967	1153
5.025		52918	48113
5.06		13005	25513
5.119		6973	7434
5.15		1645	838
5.179		1468	462
5.215		5712	4875
5.267		81467	75609
5.327		1719	478
5.351		3934	3346

RT A	Compound A	Height A	Area A
5.476		6527	10134
5.504		998	427
5.542		1361	434
5.588		11445	14984
5.673		62271	58646
5.795		115775	113829
5.976		2276	1699
6.103		2625	2351
6.165		100341	94414
6.229		109200	94475
6.602		55453	55681
6.693		2556	2305
6.748	DCB	5053204	5233899
7.014		1088	402
7.037		1561	454
7.103		1640	444
7.221		5205	3910
7.299		1685	429
7.4		1273	282
7.438		1439	1882
7.504		1282	774
7.534		1273	772
7.601		927	292
7.68		1453	308
7.751		1549	772
7.928		1075	616
8.164		1221	683
8.32		1184	433
8.463		1580	1028
8.553		1404	748
8.57		1584	662
8.584		1491	502
8.631		1082	335
8.651		1446	708

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 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, 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: 07PCBS17292001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.628		1809	10284
1.935		2665	20563
2.049		32594	55691
2.127		8979	17490
2.178		11476	10710
2.393		3279	5960
2.676		20772	26332
2.749	TCX	6236777	4507672
2.97		78668	55316
3.088		15068	16325
3.32		6418	7453
3.373		2742	5032
3.433		17531	11923
3.465		3158	2395
3.593		4899	7079
3.64		3722	4639
3.929		2695	6985
4.195		4655	6246
4.246		6563	7051
4.329		6162	5083
4.418		6286	16901
4.496		1826	2270
4.632		33017	30322
4.762		2097	1143
4.779		2689	2035
4.822		3319	3516
4.87		53040	47729
4.942		2653	4868
5.128		3177	4571
5.192		5024	5966
5.237		1655	869
5.273		37709	36257
5.396		78150	72910
5.737		84905	77932
5.805		110717	104326
5.854		28104	25175
6.158		51151	46833
6.318	DCB	4447698	4557729
6.767		3561	3283
6.796		3336	4327
6.959		1353	3853
7.081		1141	895

IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082

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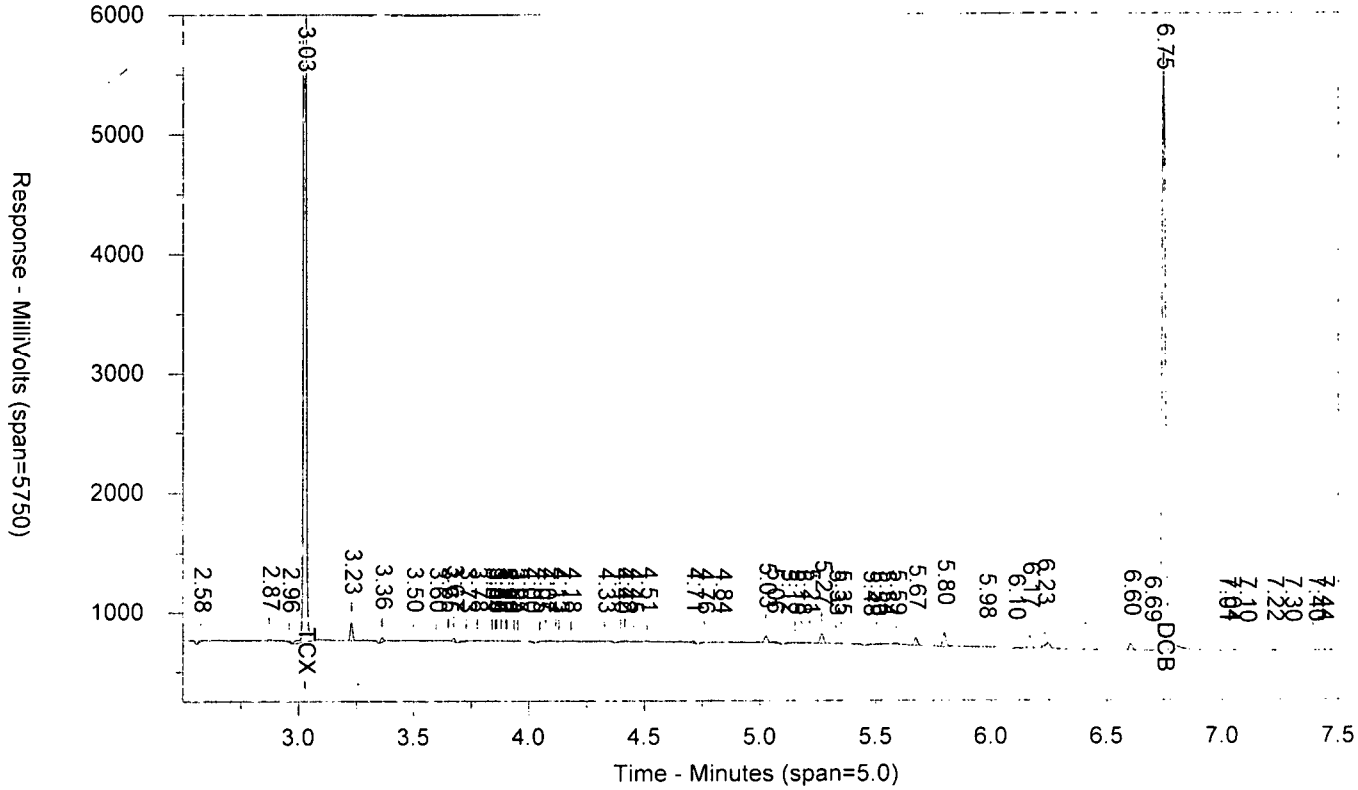

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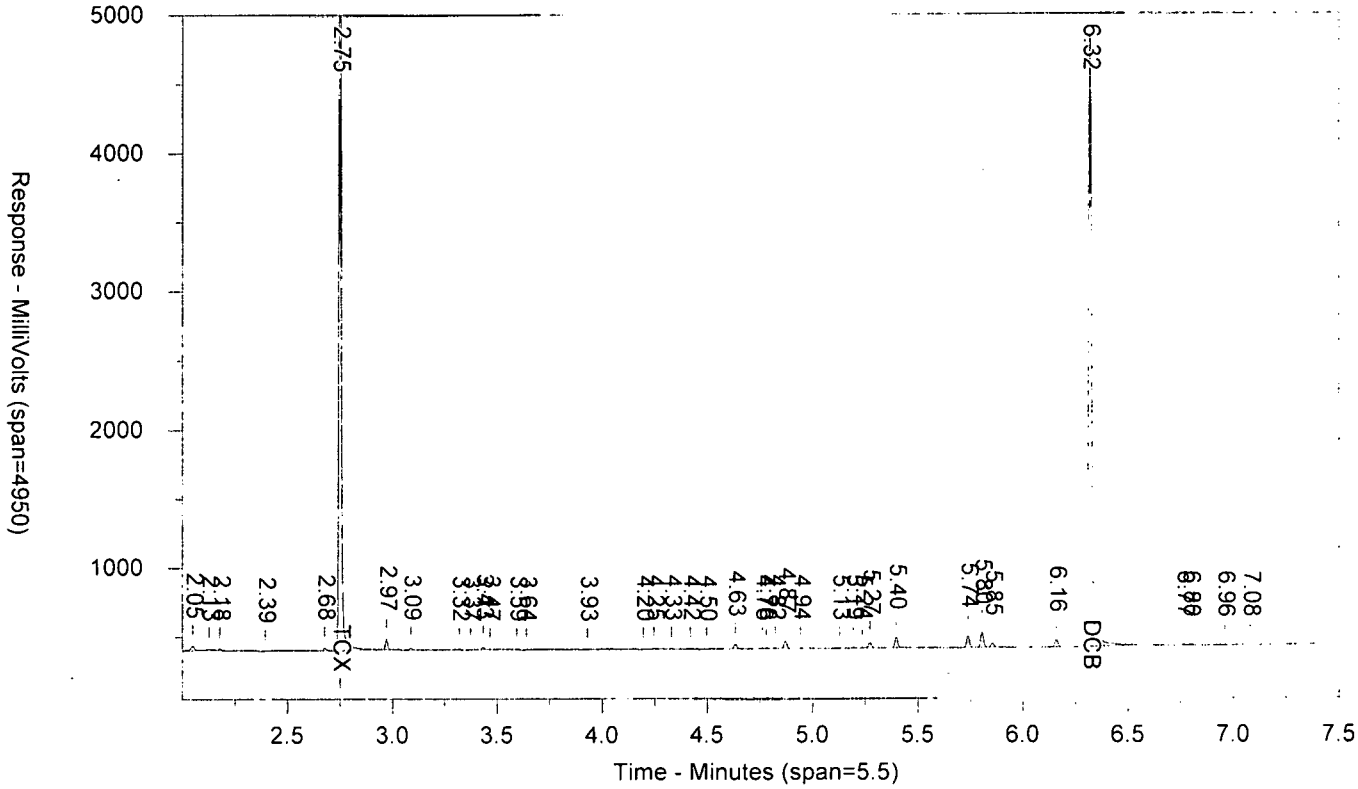

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	12862550	.203	TCX	2.749	6236777	.205	TCX
6.748	5053204	.198	DCB	6.318	4447698	.193	DCB

Files:
Area File: 07PCBS17292001.0005.RAW
Area File: 07PCBS17292001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:28:01 PM
File Reported On: 10/22/2017 at 1:33:14 PM

IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082

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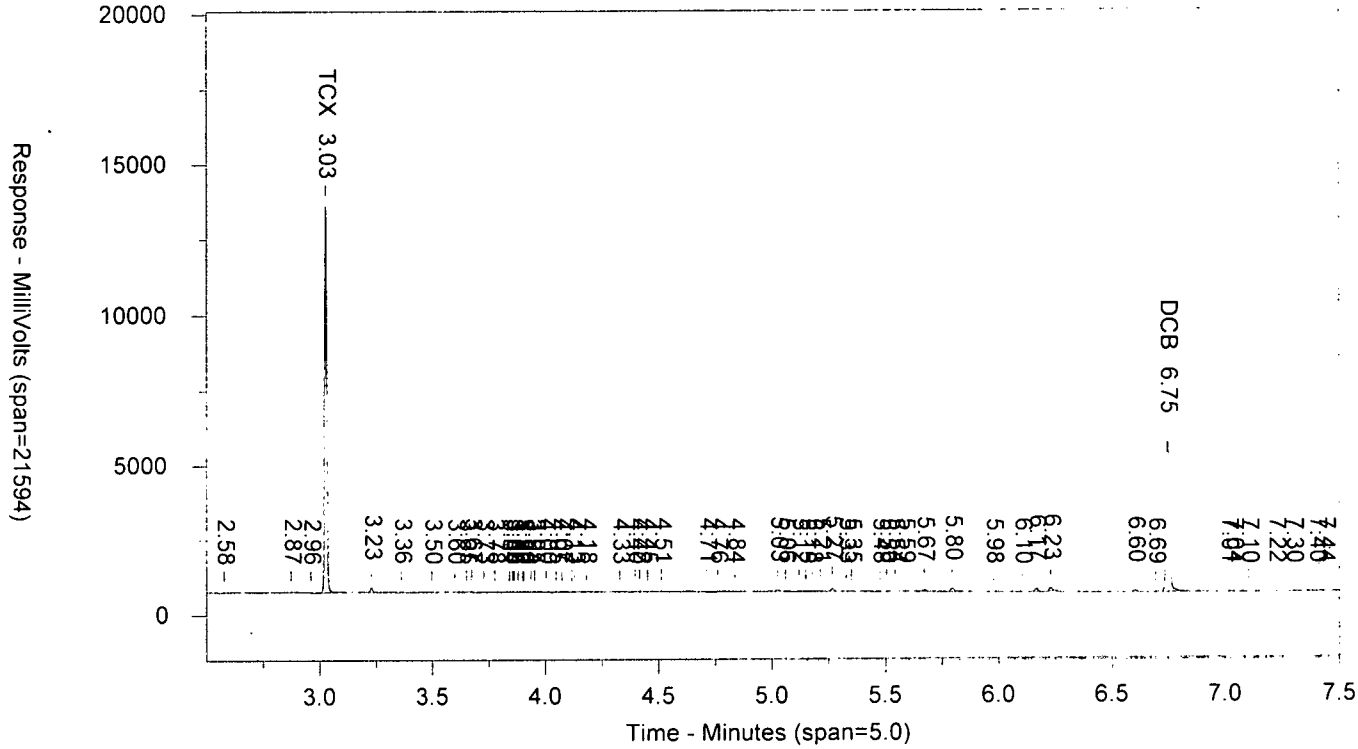

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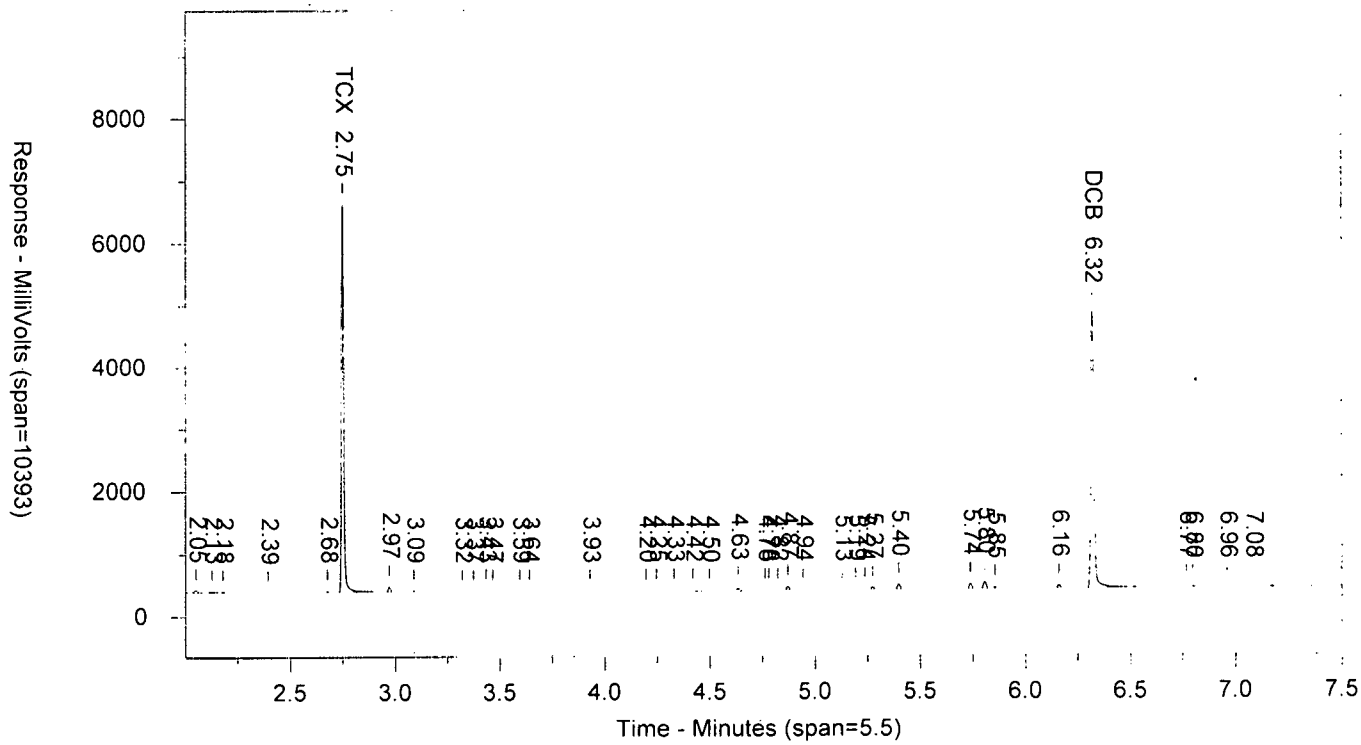

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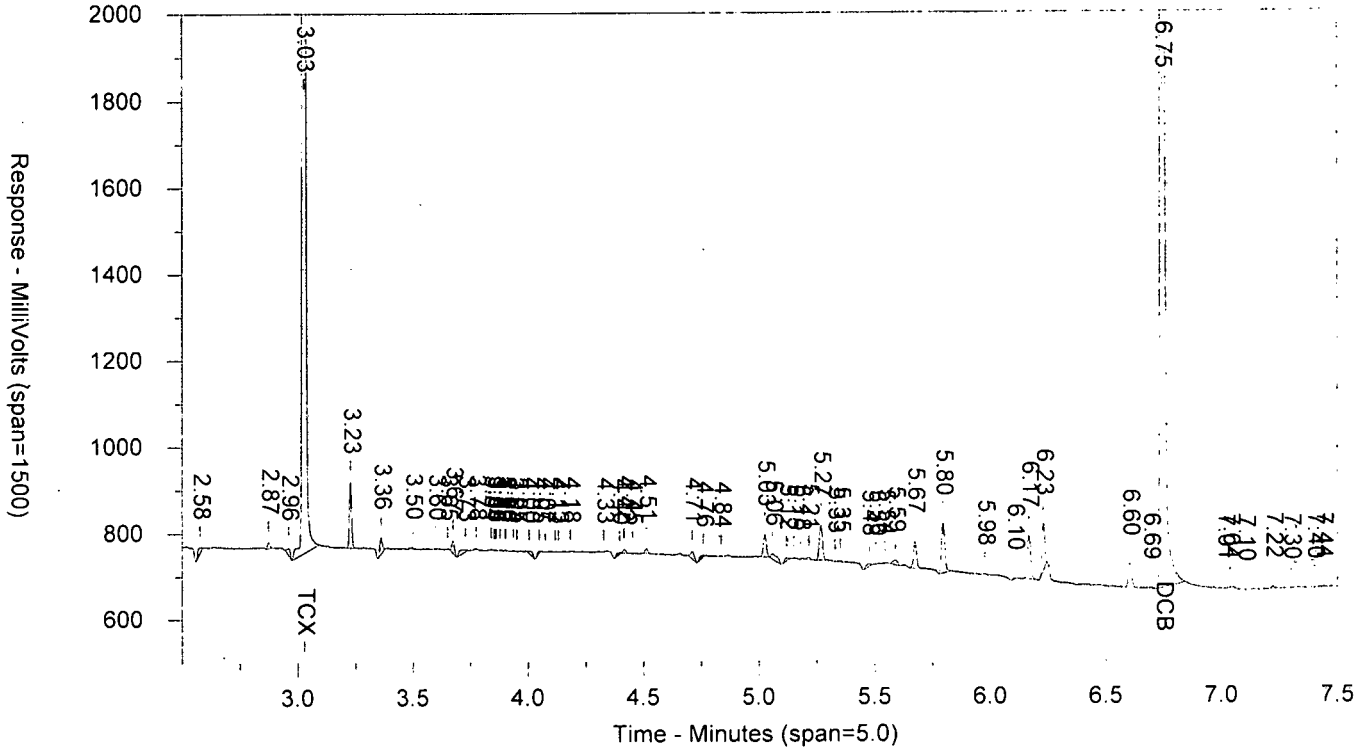

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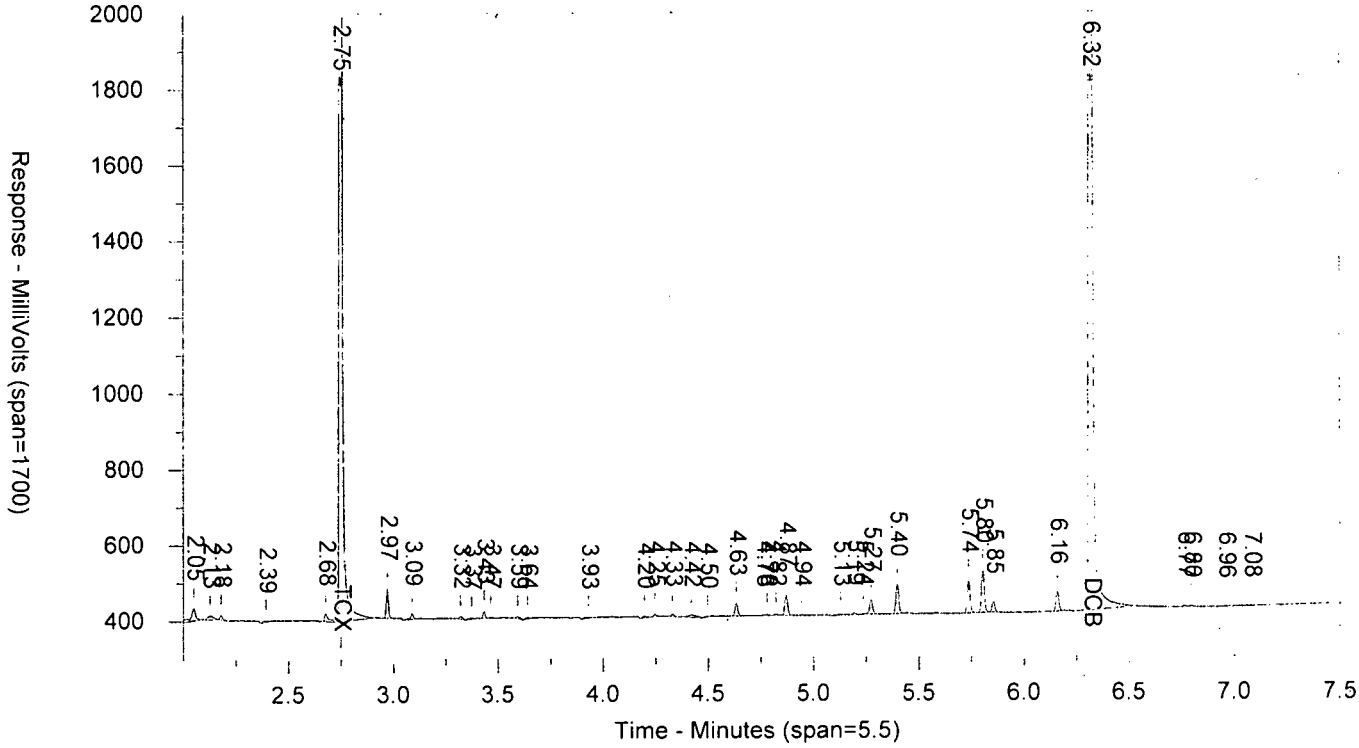

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 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: 07PCBS17292001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.556		3921	3816
1.675		7620	119211
1.809		2355	1478
1.976		1684	5513
2.043		3000	2743
2.107		72131	76494
2.146		63731	82493
2.183		113124	265112
2.214		84568	71204
2.24		49100	121960
2.294		41888	47219
2.315		79109	104177
2.409		41859	32568
2.428		140451	95914
2.601		222509	212952
2.641		3878	3190
2.873		69450	58518
3.028	TCX	13079260	8381175
3.116		6079	3953
3.229		150983	98070
3.314		7289637	4631197
3.361		45298	42485
3.416		60096	39104
3.458		3836	2609
3.478		3048	1377
3.513		5505463	3521877
3.547		129588	86575
3.599		9055	6052
3.63		2354206	1511412
3.674		41754	31680
3.71		12792	17249
3.734		5293	3350
3.777		29473	27949
3.81		272258	214151
3.838		16448	10822
3.861		857	213
3.883		9657	7854
3.927		499291	388122
3.958		16420	11648
3.986		12952	8382
4.043		38011	26502
4.081		6802	18057
4.093		2764	1448
4.123		8207	8139
4.179		10742	7178
4.21		123634	93144
4.263		17211	15765
4.298		617128	503421
4.351		56583	77235
4.395		34204	30776
4.418		7433	7316
4.456		2094	1070
4.479		33720	34844

RT A	Compound A	Height A	Area A
4.516		275139	247418
4.603		10444	8404
4.638		25215	24527
4.681		300728	264726
4.714		349611	287076
4.756		4635	7707
4.788		4253	4060
4.844		260056	222560
4.867		5598	3828
4.948		321282	284785
4.991		12788300	11641480
5.02		85038	66997
5.094		350823	324563
5.176		696751	662671
5.217		8703	6389
5.252		441173	513710
5.33		12864660	10989880
5.409		12201	9969
5.472		10445	14319
5.55		836790	743618
5.638		80441	184105
5.69		14914230	13063840
5.745		161675	124600
5.782		1053134	1043104
6.021		2045	1505
6.106		2731	3334
6.165		105393	101511
6.23		141243	168258
6.331		3193	5869
6.397		1896	1068
6.474		2627	1438
6.602		61285	62374
6.695		1768	643
6.748	DCB	5228983	5518930
7.04		4252	7520
7.223		3944	4751
7.448		1232	657
7.554		1481	380
7.619		1713	807
7.807		1131	546
7.919		1244	798
7.951		1686	1716
8.026		1348	869
8.071		1757	839
8.433		1247	395
8.58		1459	717

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 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, 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: 07PCBS17292001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.602		8131	14693
1.663		5223	8121
1.838		17800	34477
1.93		18042	84619
2.012		18586	27072
2.048		34680	40445
2.081		4477	3114
2.129		30647	61126
2.178		9146	6832
2.277		62149	43559
2.332		4898	3887
2.403		5992	15801
2.448		101007	70303
2.676		86008	97494
2.749	TCX	6099030	4386855
2.915		3326	2007
2.97		78816	54649
3.026		11425	10606
3.07		2576	3737
3.098		3544631	2280584
3.218		40829	28809
3.256		83154	62630
3.309		2910174	1872603
3.382		13894	14089
3.407		9895	6835
3.433		9347	5250
3.466		4600	2247
3.489		1264197	877866
3.578		32144	19858
3.596		10740	4760
3.616		408694	296922
3.647		6656	3622
3.69		12165	7926
3.71		2910	1353
3.73		11829	9835
3.821		13836	31609
3.845		2075	1319
3.923		369031	353325
3.971		4526	2975
4.003		10126	6711
4.02		17181	11095
4.046		12455	17814
4.12		2509	2389
4.142		7835	4740
4.161		182386	137478
4.199		8770	9799
4.241		12205	11809
4.286		5010	4090
4.324		201304	184288
4.369		4470	3482
4.428		203555	194620
4.486		6274	6144
4.522		2061	1364
4.553		161503	137499

4.62		7972566	7041956
4.659		21432	14373
4.714		269969	287608
4.761		9478	6620
4.829		418219	384423
4.871		29480	19806
4.9		10516090	9092770
4.964		269197	255886
4.995		11494	7994
5.075		12069	9540
5.115		5946	5656
5.193		5086	4907
5.236		381677	389242
5.272		27442	18846
5.338		11121070	10456700
5.395		113701	100915
5.466		5929	5275
5.52		910685	852059
5.573		33634	25932
5.604		3835	8079
5.738		84100	80440
5.805		112916	106090
5.854		26937	25265
6.159		53222	54367
6.319	DCB	4759595	4750898
6.69		1407	1721
6.77		2556	2352
6.8		2840	2739
7.034		1063	243
7.841		1573	40252
8.318		1477	2554

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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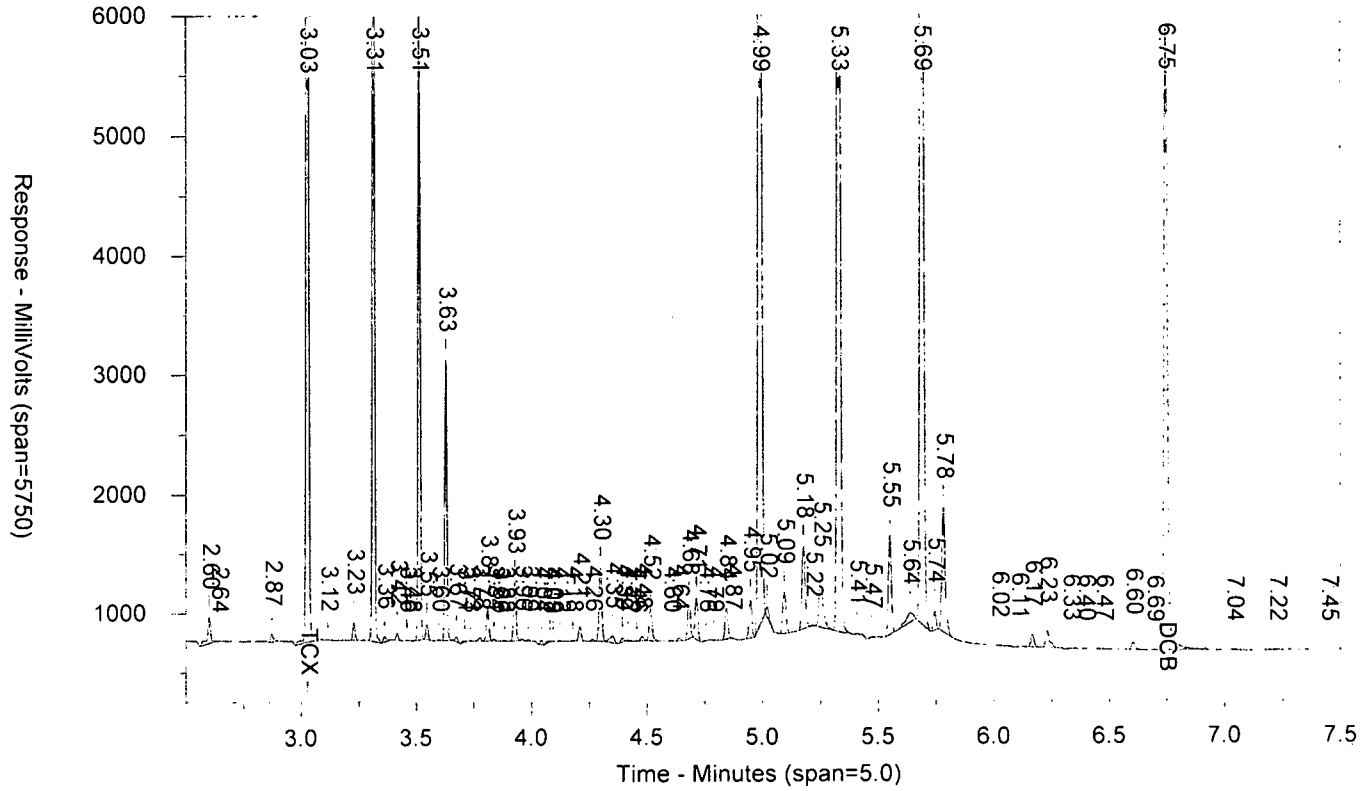

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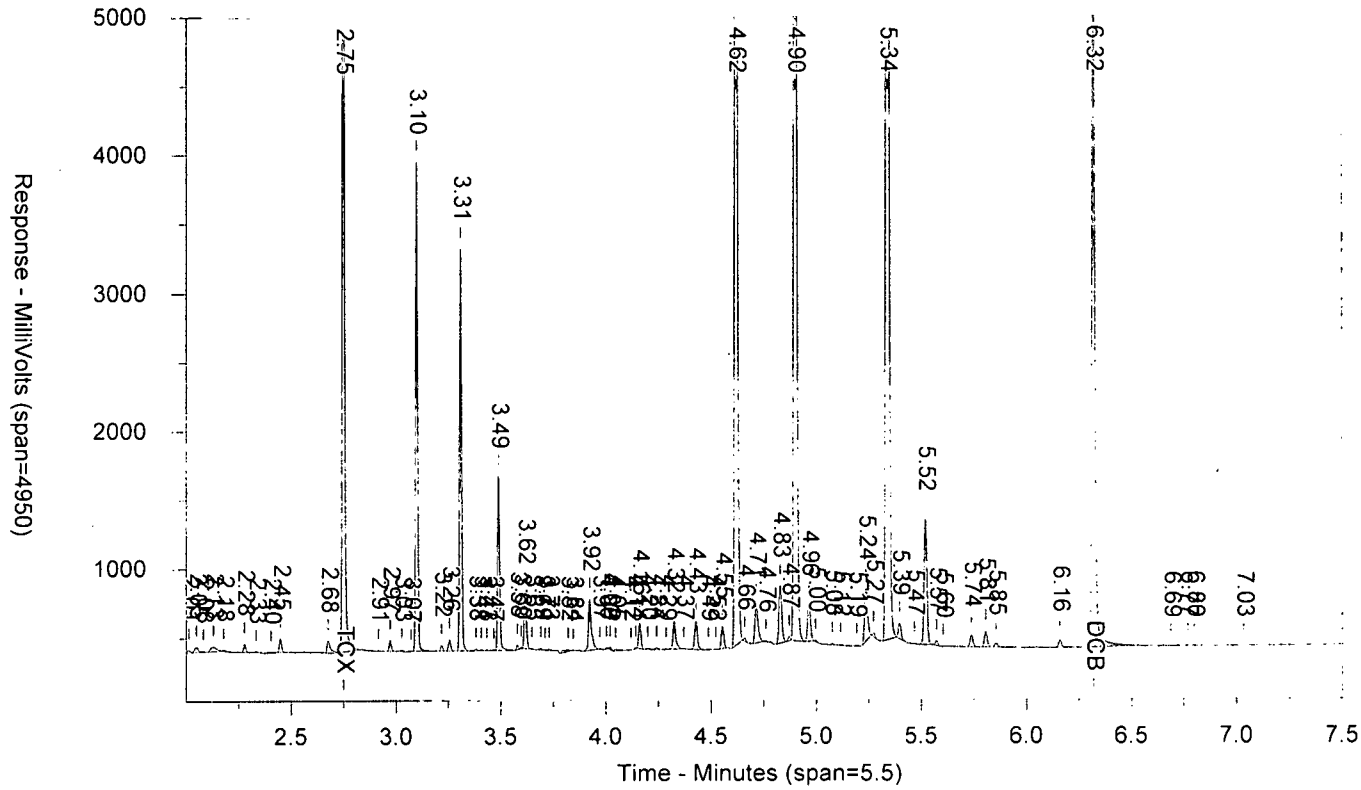

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	13079260	20.599	TCX	2.749	6099030	20.092	TCX
6.748	5228983	20.488	DCB	6.319	4759595	20.628	DCB

Files:
Area File: 07PCBS17292001.0006.RAW
Area File: 07PCBS17292001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:39:14 PM
File Reported On: 10/22/2017 at 1:33:24 PM

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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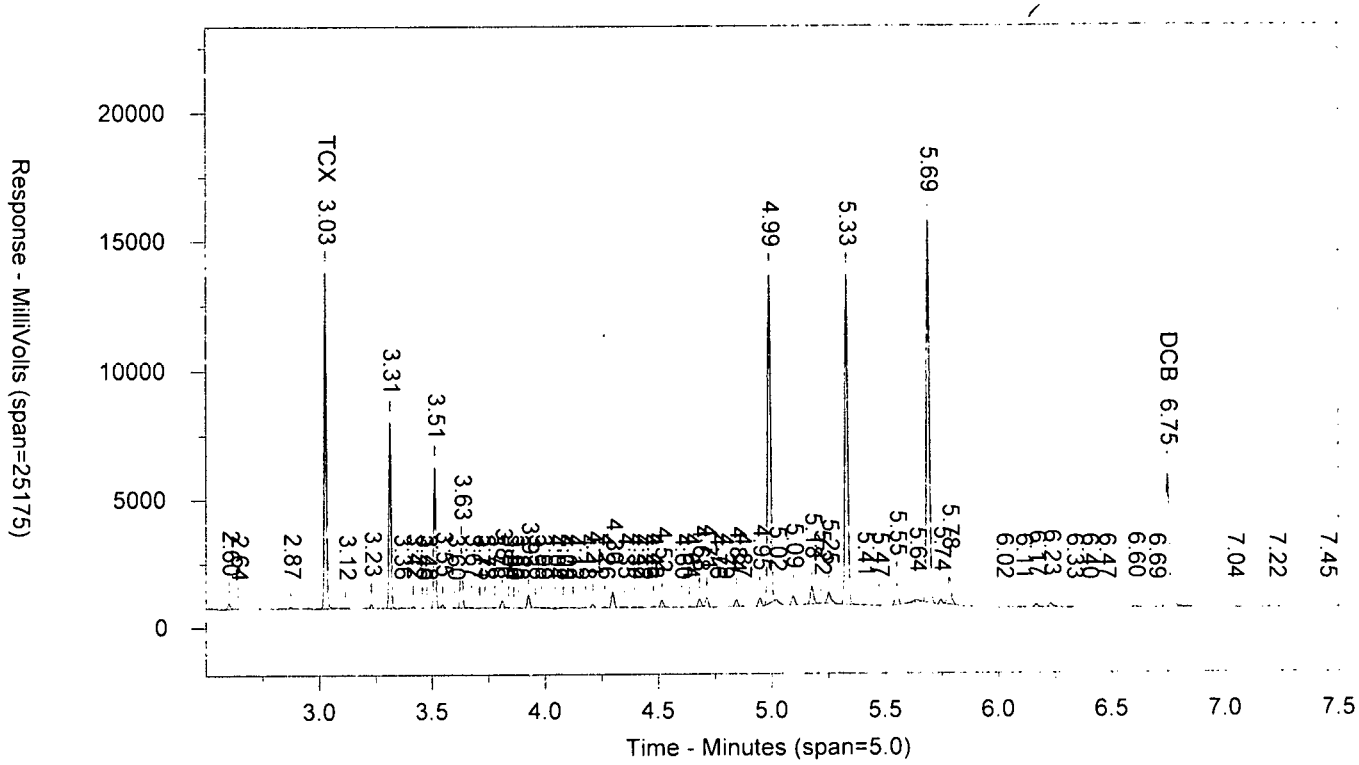

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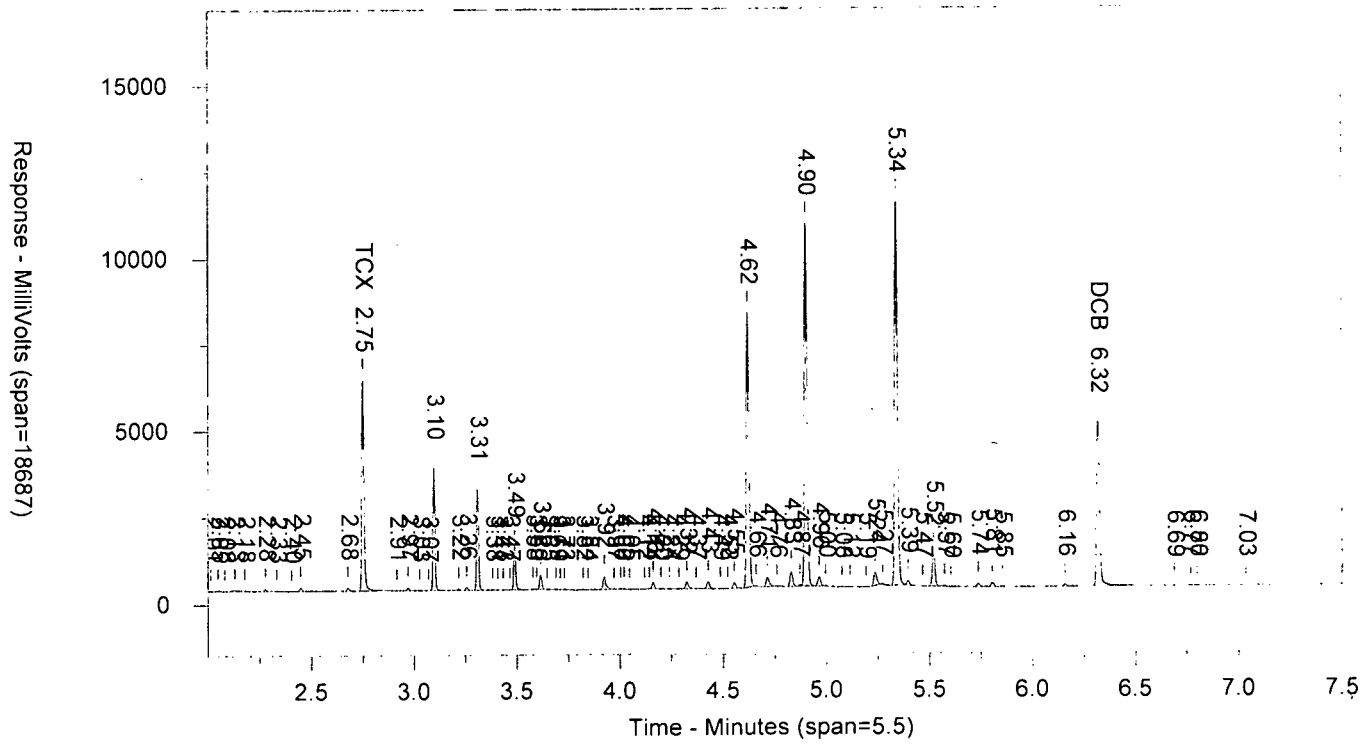

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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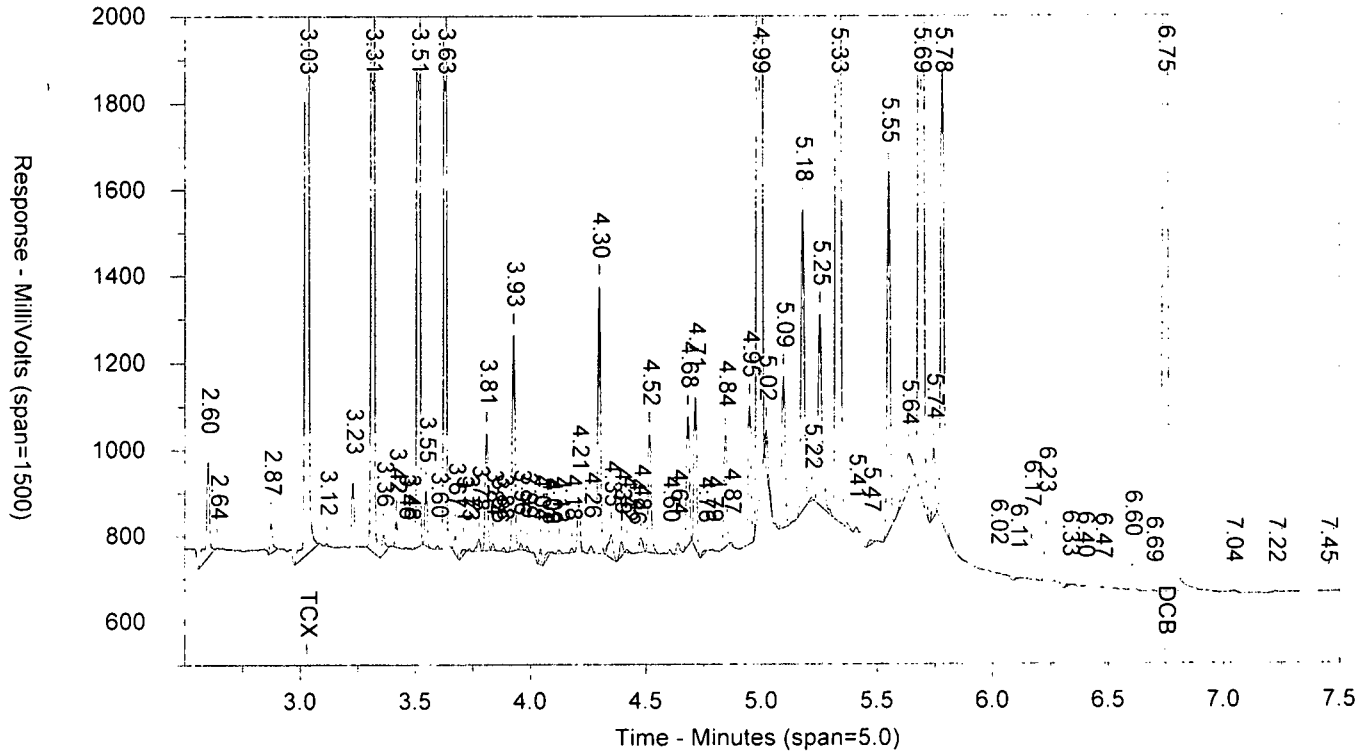

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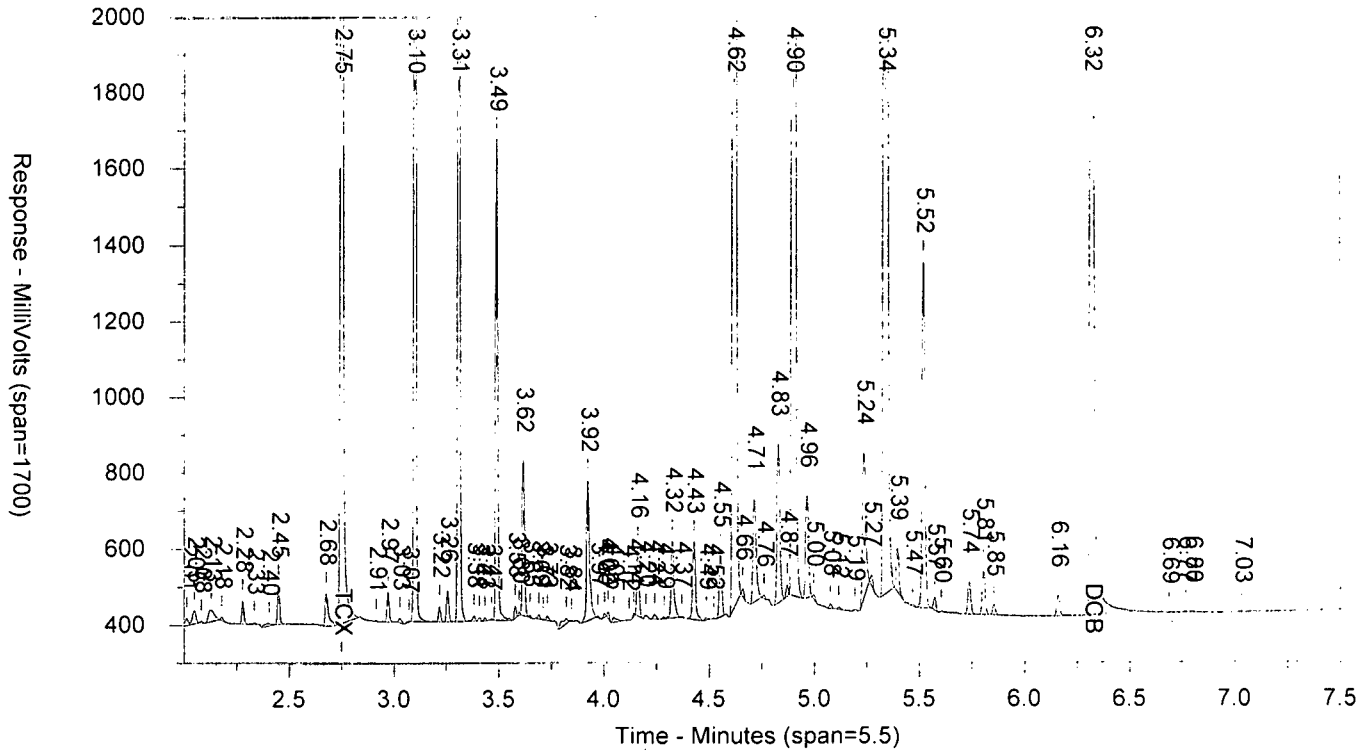

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 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: 07PCBS17292001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.686		23611	186859
1.975		1909	1290
2.119		55673	100408
2.181		127164	327549
2.239		36712	78559
2.315		10731	11731
2.409		23681	18000
2.594		8205	37782
2.646		1445	1338
2.663		4536	2583
2.873		96410	95783
2.961		21842	21509
2.997		10446	21241
3.028	TCX	1233296	807489
3.179		52993	45550
3.236		55066	43643
3.285		267954	175552
3.38		39632	53121
3.501		280914	168403
3.518		132973	71407
3.556		30681	16666
3.572		10758	4637
3.585		12827	5233
3.599		3273	995
3.617		311071	215906
3.652		3113	2454
3.729		64778	38033
3.745		34280	17627
3.791		168197	90586
3.803		285183	147281
3.841		355978	268286
3.872		1180	159
3.88		1760	596
3.902		294278	220214
3.943		22624	15386
3.972		203639	150148
4		149293	133800
4.021		31786	15248
4.048		7747	7174
4.1		226445	160711
4.126		78433	50895
4.157		86311	63131
4.192		217652	227899
4.235		68120	54509
4.281		10187	7032
4.32		14254	11255
4.356		225293	168856
4.377		38488	21991
4.401		56217	46545
4.471		29711	25997
4.515		223538	211418
4.55		8476	5845
4.617		3135	2131

RT A	Compound A	Height A	Area A
4.656		56790	55370
4.712		31997	20572
4.728		35195	21387
4.774		130049	113519
4.823		200875	218893
4.861		49143	36991
4.901		455452	409125
4.945		8486	6847
4.991		70066	73626
5.026		12694	9204
5.051		74689	70819
5.103		371179	286080
5.12		52006	27850
5.154		107254	95201
5.195		244921	261467
5.238		4248	2612
5.274		52795	62858
5.31		570923	520417
5.332		24180	11148
5.349		9302	4766
5.374		298429	261064
5.417		189845	187442
5.471		8319	9823
5.514		54135	45792
5.538		307259	267257
5.594		176232	152394
5.633		89977	82980
5.674		24581	22078
5.717		109443	102088
5.773		708810	636969
5.978		459694	427074
6.032		120336	229512
6.104		3157	3026
6.166		18059	16839
6.228		9663	8816
6.249		71953	59346
6.402		177149	170797
6.446		8693	6801
6.602		46404	43789
6.67		1004	405
6.748	DCB	554115	553838
6.925		1553	516
7.033		1369	771
7.126		1285	423
7.23		1817	373
7.263		1072	330
7.381		1094	367
7.467		1442	489
7.552		1145	649
7.664		1254	451
7.762		1144	472
7.902		1631	978
7.912		1132	364
7.991		1044	934
8.057		1821	438
8.098		1739	774
8.294		1177	444
8.412		1501	984
8.548		2422	745
8.613		1673	356

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 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, 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: 07PCBS17292001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.632		2282	13814
1.924		6512	27838
2.042		16912	33088
2.127		53269	149618
2.397		3957	9335
2.429		2927	2922
2.657		3542	1484
2.677		115817	130773
2.749	TCX	578334	416436
2.791		13222	10887
2.922		35966	28661
2.983		31557	27709
3.036		152050	104794
3.149		19839	14326
3.245		196546	221908
3.298		20443	12948
3.321		27109	20148
3.347		5835	3047
3.369		185538	140074
3.406		10138	6342
3.452		40376	22847
3.467		22027	11113
3.518		74107	39542
3.528		150382	72856
3.563		172867	132591
3.637		183238	132297
3.671		131855	88614
3.696		143035	89114
3.715		36096	18133
3.806		159425	118299
3.83		55314	32208
3.851		55377	36074
3.883		40816	22757
3.901		112571	77834
3.945		47141	38130
3.993		11038	10901
4.016		27205	17308
4.039		173135	127958
4.066		28494	18421
4.087		4887	2254
4.106		19377	13410
4.142		143549	117528
4.196		19889	24129
4.247		7183	7730
4.287		27033	32288
4.355		37383	29642
4.401		34730	22228
4.433		134272	140147
4.46		57534	57751
4.514		317324	289163
4.559		8553	7309
4.586		25613	19028
4.612		71213	55929
4.656		365047	334130

4.764		306490	320708
4.821		40085	36100
4.861		81851	79150
4.898		349811	316859
4.931		178704	148202
4.971		127342	108128
5.075		41681	44652
5.127		234995	205086
5.151		22825	14609
5.202		128768	127184
5.238		59131	48517
5.266		41787	36582
5.299		8069	4472
5.32		517760	477439
5.362		8717	6792
5.397		25863	23808
5.512		4961	3133
5.536		118193	105135
5.582		346692	422214
5.739		15745	14957
5.78		7860	6428
5.806		16846	13573
5.854		63884	61129
5.959		143523	129244
5.991		5879	4282
6.159		40931	40665
6.32	DCB	510567	509961
6.797		3412	5727
8.183		1258	1158
8.398		1892	3222

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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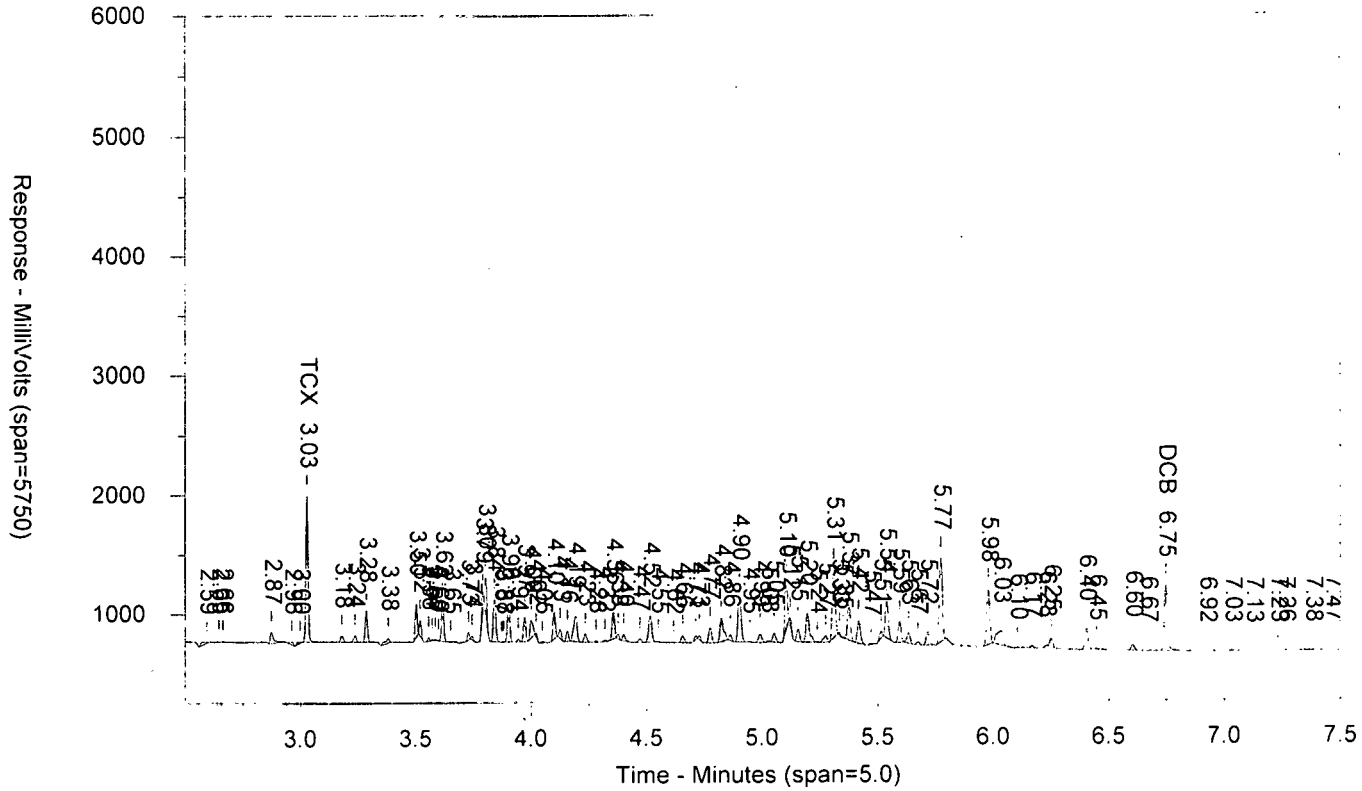

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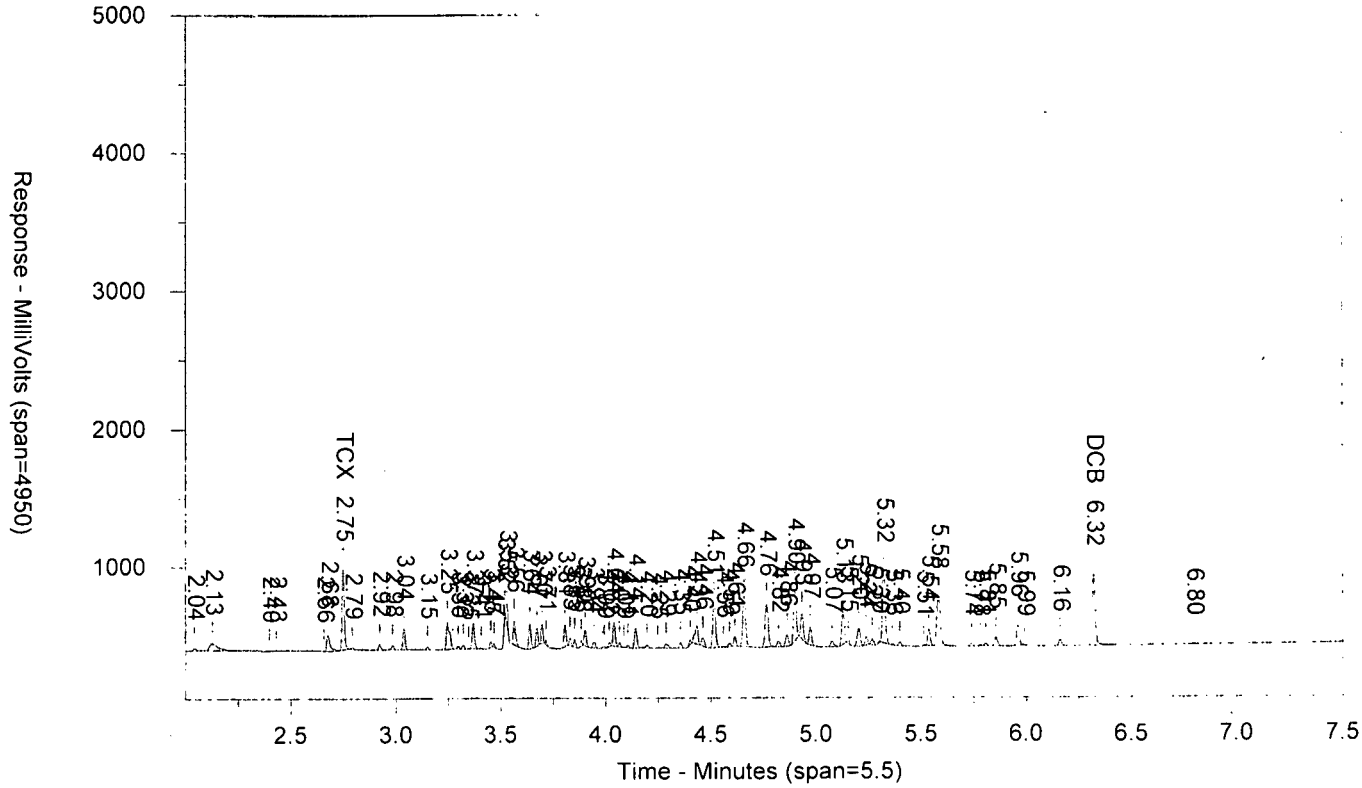

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	1233296	1.942	TCX	2.749	578334	1.905	TCX
6.748	554115	2.171	DCB	6.32	510567	2.213	DCB

Files:
Area File: 07PCBS17292001.0007.RAW
Area File: 07PCBS17292001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:50:32 PM
File Reported On: 10/22/2017 at 1:33:34 PM

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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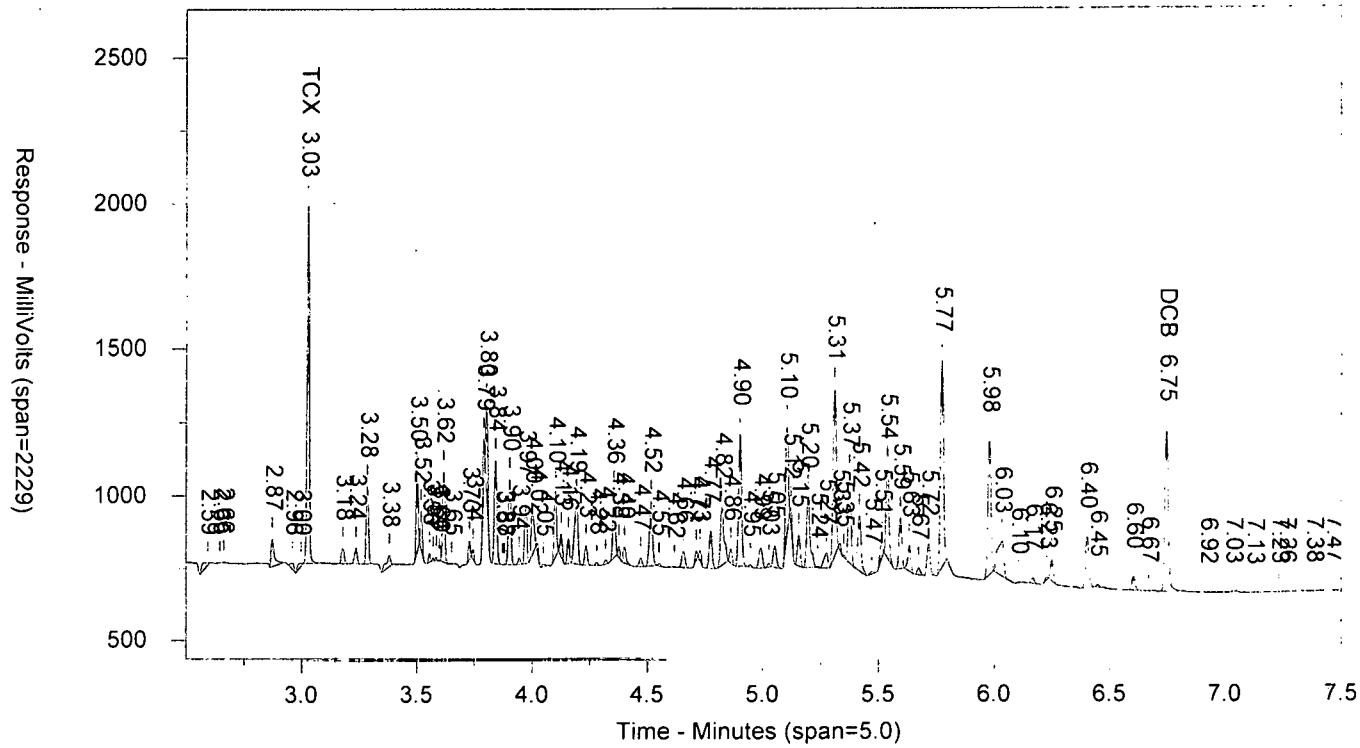

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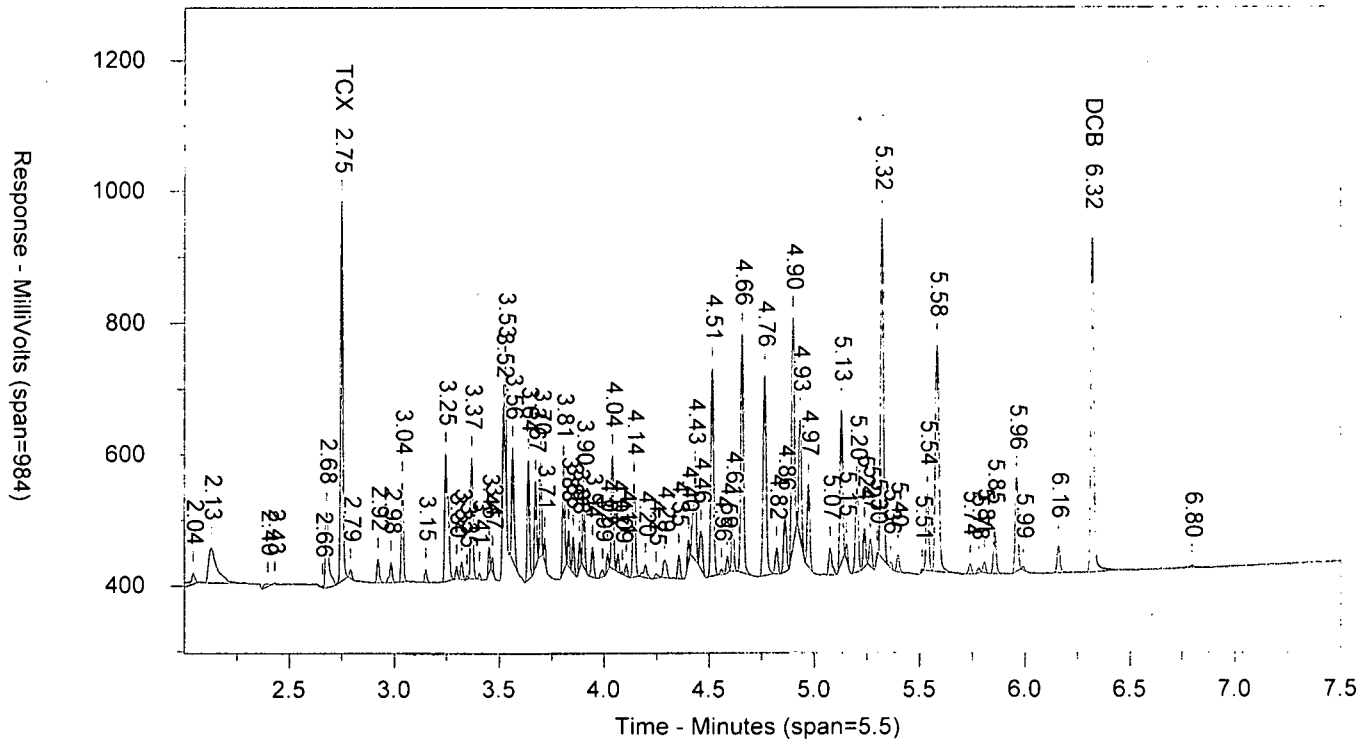

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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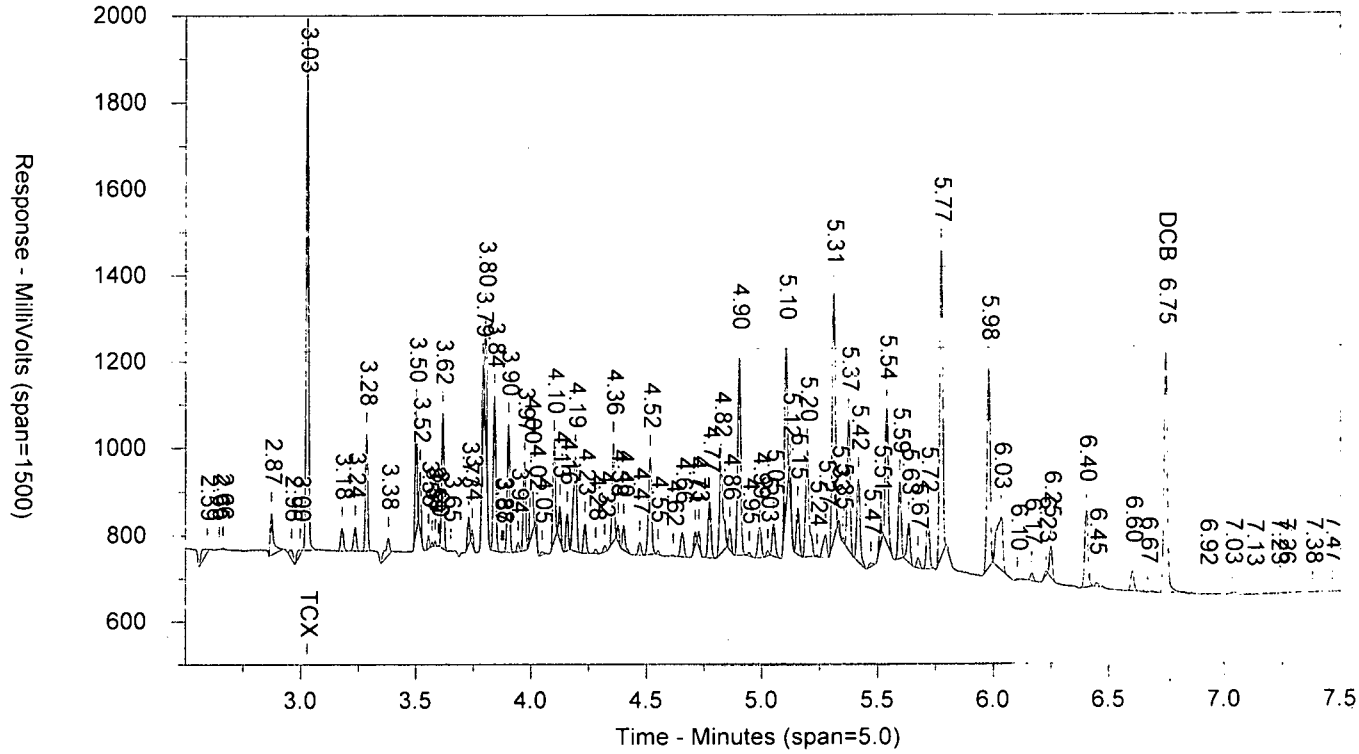

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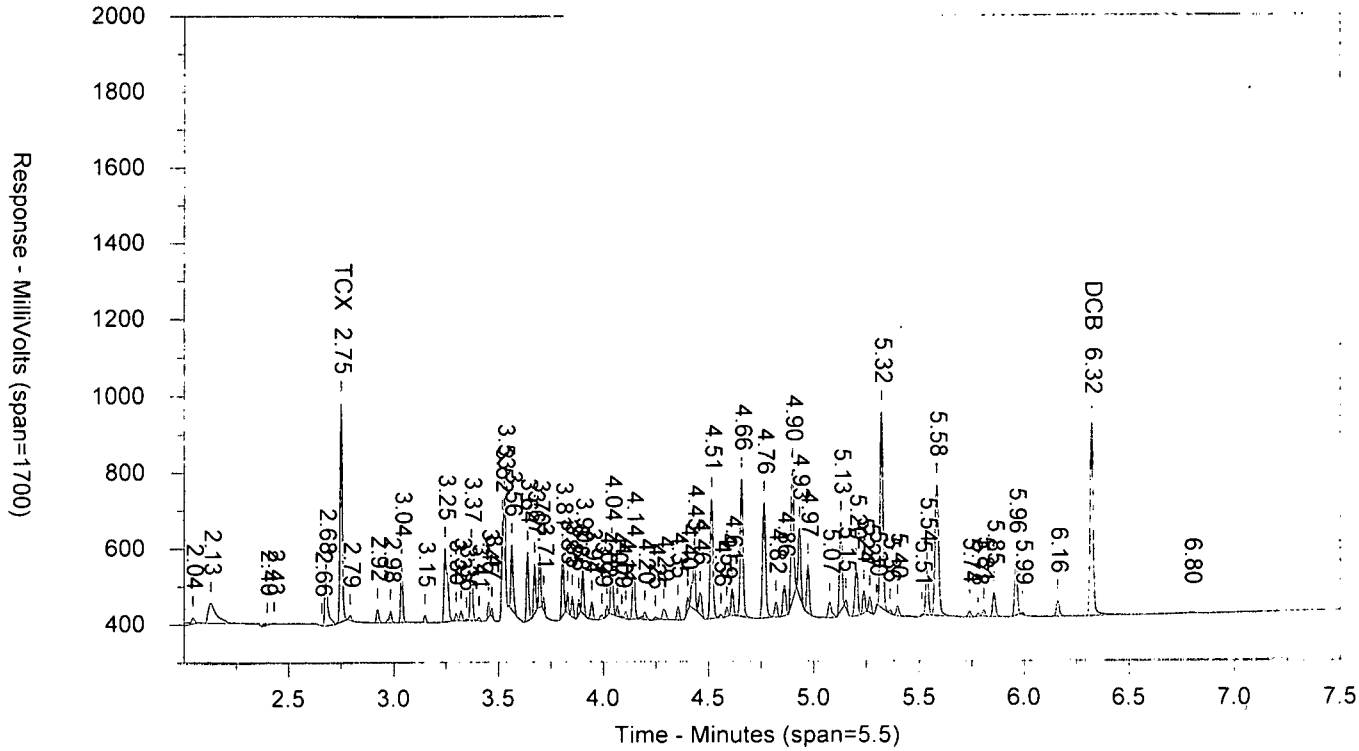

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 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: 07PCBS17292001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.68		45310	223446
1.745		8418	9444
1.957		2543	3082
2.124		35899	98794
2.182		85664	181822
2.315		10485	7365
2.41		32288	19835
2.467		3372	2047
2.582		7067	14885
2.665		8147	6456
2.873		73561	66683
2.997		7558	13930
3.028	TCX	2371999	1535649
3.18		100814	85584
3.237		105550	83948
3.285		493396	329769
3.363		6957	6991
3.379		58312	37242
3.501		515538	308423
3.518		252007	134802
3.556		54245	30252
3.572		21537	9035
3.585		25442	11585
3.599		3722	1123
3.618		579228	404992
3.671		5622	3687
3.693		18866	10691
3.729		117691	70615
3.745		65701	32475
3.79		329051	166169
3.802		522619	279038
3.841		659658	499644
3.878		579	121
3.902		546946	411015
3.944		42624	29636
3.971		384647	277353
3.999		277795	250144
4.021		59907	28064
4.043		2230	647
4.099		413900	294768
4.124		141086	95918
4.157		160789	116832
4.193		418863	424918
4.234		125789	102115
4.28		18448	14232
4.32		25694	19500
4.356		398369	301726
4.376		86505	47352
4.401		105807	80228
4.47		55861	47041
4.515		414237	388182
4.55		16232	12284
4.614		8193	6613

RT A	Compound A	Height A	Area A
4.655		108761	108404
4.711		53871	35135
4.728		79885	51622
4.774		237364	211741
4.822		358246	407416
4.861		95145	68048
4.901		842584	766729
4.945		19031	15906
4.991		130065	135079
5.025		24104	17177
5.051		137879	122927
5.103		717753	557474
5.119		50084	42008
5.155		196766	172823
5.195		454086	482818
5.237		9012	5511
5.274		91835	114696
5.31		1074007	980425
5.332		49389	23432
5.35		21224	9297
5.374		539531	485247
5.417		347341	334938
5.474		4340	5414
5.514		93110	77668
5.537		574106	494622
5.594		326589	274810
5.634		164091	153656
5.676		44253	41204
5.716		197682	195883
5.773		1399349	1486863
5.978		855953	792735
6.032		234425	419206
6.166		36613	34296
6.227		20003	16800
6.248		126808	107964
6.349		1327	628
6.402		319298	312213
6.448		16674	14168
6.601		88849	88176
6.748	DCB	983523	1023370
7.029		2024	526
7.046		2755	2815
7.141		1617	606
7.262		1045	379
7.399		1464	571
7.442		1148	424
7.511		1297	489
7.756		1176	1161
7.813		1803	934
7.992		1305	354
8.021		1418	511
8.136		1586	441
8.343		1450	469
8.562		1576	478
8.646		1172	474

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 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, 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: 07PCBS17292001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.617		4024	13770
1.896		4427	9122
2.012		6075	15539
2.043		23731	27765
2.126		44425	130775
2.402		2779	6596
2.429		4740	4779
2.676		95716	105023
2.749	TCX	1092379	774620
2.792		25851	19816
2.921		69293	53746
2.983		59418	53001
3.036		276565	200159
3.149		36291	26457
3.245		356791	398422
3.297		38791	24662
3.32		42904	29567
3.346		14781	7728
3.369		328928	251787
3.405		18835	11961
3.434		2367	1046
3.452		73023	41767
3.467		40525	20943
3.518		122869	69443
3.528		299811	142330
3.562		315480	261497
3.637		329292	238335
3.671		239222	156995
3.695		249368	158725
3.714		62587	32556
3.805		286561	214686
3.829		99153	58379
3.851		99771	66257
3.883		69256	38909
3.9		193351	135909
3.944		88630	71588
3.992		21392	21101
4.016		49355	31615
4.039		314154	231078
4.065		53347	33614
4.086		7913	3557
4.105		34319	22686
4.142		253381	211297
4.179		8700	5741
4.196		28117	20237
4.245		4461	2755
4.285		55440	62705
4.331		3341	1941
4.354		68165	55341
4.4		60385	37231
4.432		230453	244022
4.459		106964	107028
4.514		578426	524235
4.558		15389	13220

4.586		47159	33901
4.611		125735	101240
4.655		674453	601792
4.764		585794	590423
4.82		75382	69340
4.859		151019	144559
4.896		637881	587281
4.931		328872	272211
4.97		221548	197374
5.075		81995	87433
5.127		426500	375327
5.15		40807	27008
5.201		240038	231493
5.237		111279	90725
5.266		75753	68544
5.32		994433	982593
5.361		16155	11560
5.396		50447	46773
5.512		8066	5163
5.537		210523	191357
5.581		657779	796345
5.738		29757	26928
5.78		14683	10783
5.806		30598	26080
5.855		121500	117184
5.959		258242	238523
5.99		10770	7739
6.159		78596	78293
6.319	DCB	916179	919088
6.798		2900	4077
7.049		1026	1076
8.251		1153	1591
8.403		2147	4308
8.625		2924	6023

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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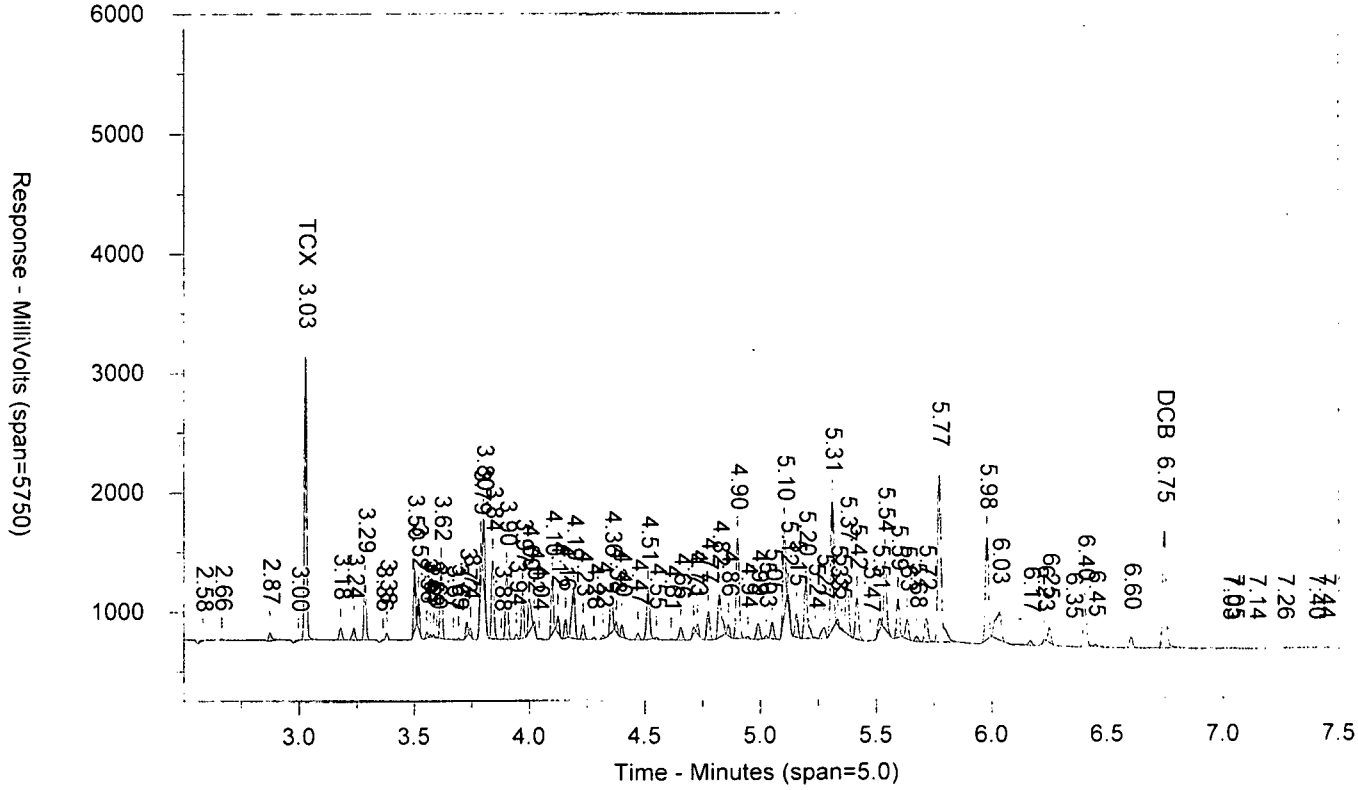

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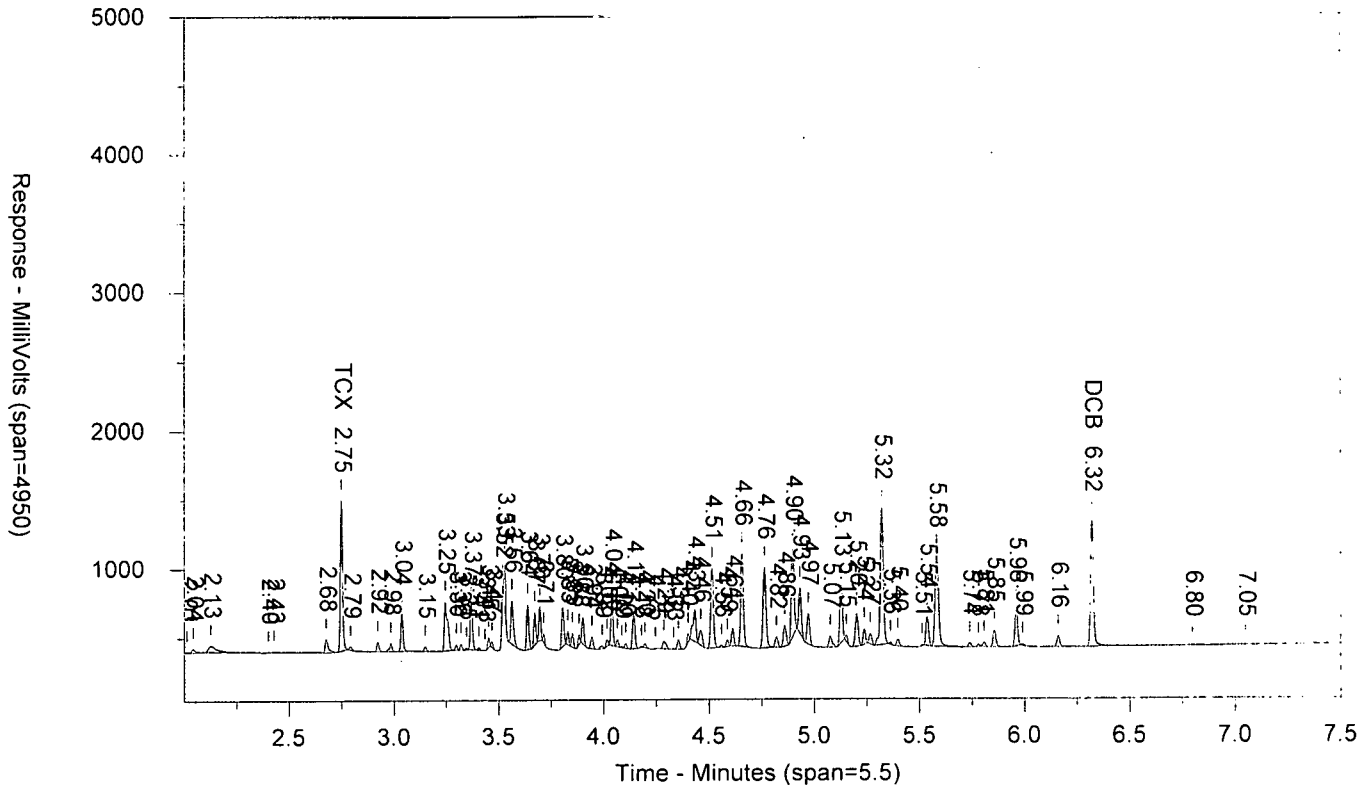

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	2371999	3.736	TCX	2.749	1092379	3.599	TCX
6.748	983523	3.854	DCB	6.319	916179	3.971	DCB

Files:
Area File: 07PCBS17292001.0008.RAW
Area File: 07PCBS17292001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:01:56 PM
File Reported On: 10/22/2017 at 1:33:44 PM

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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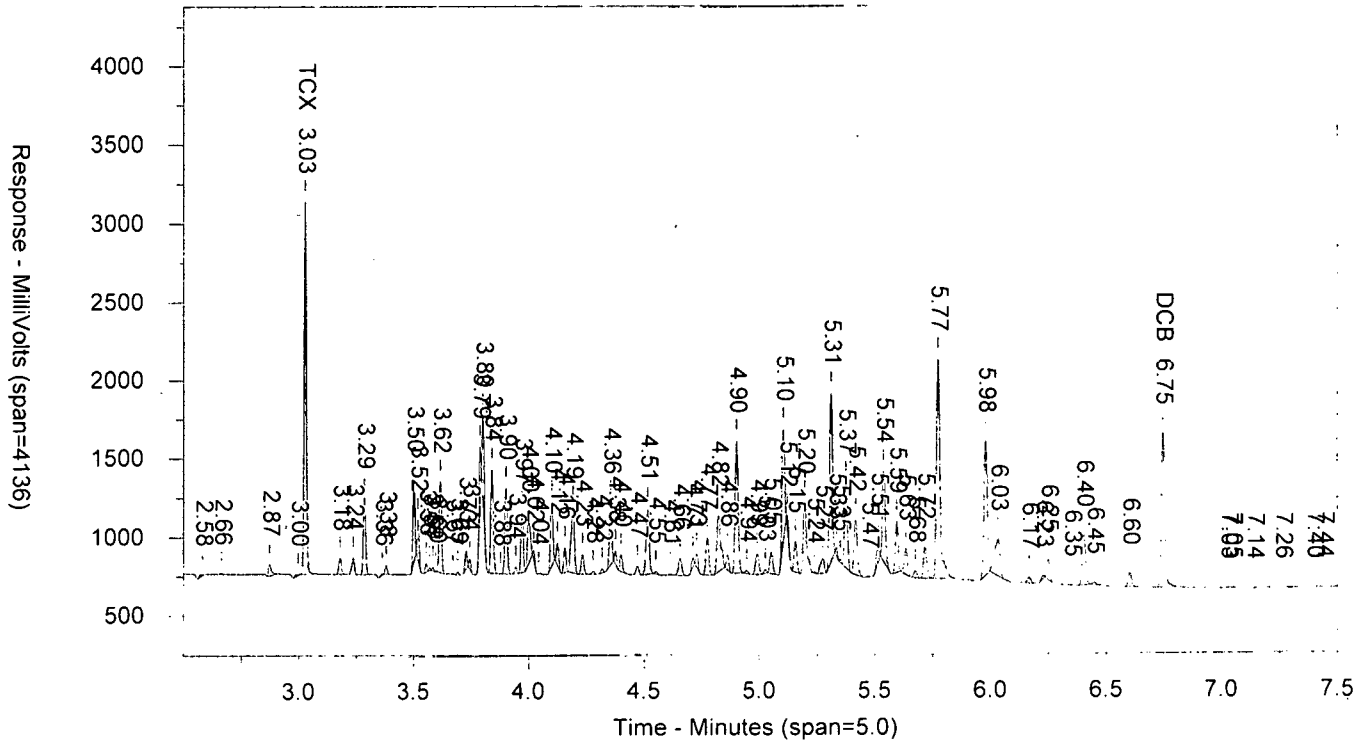

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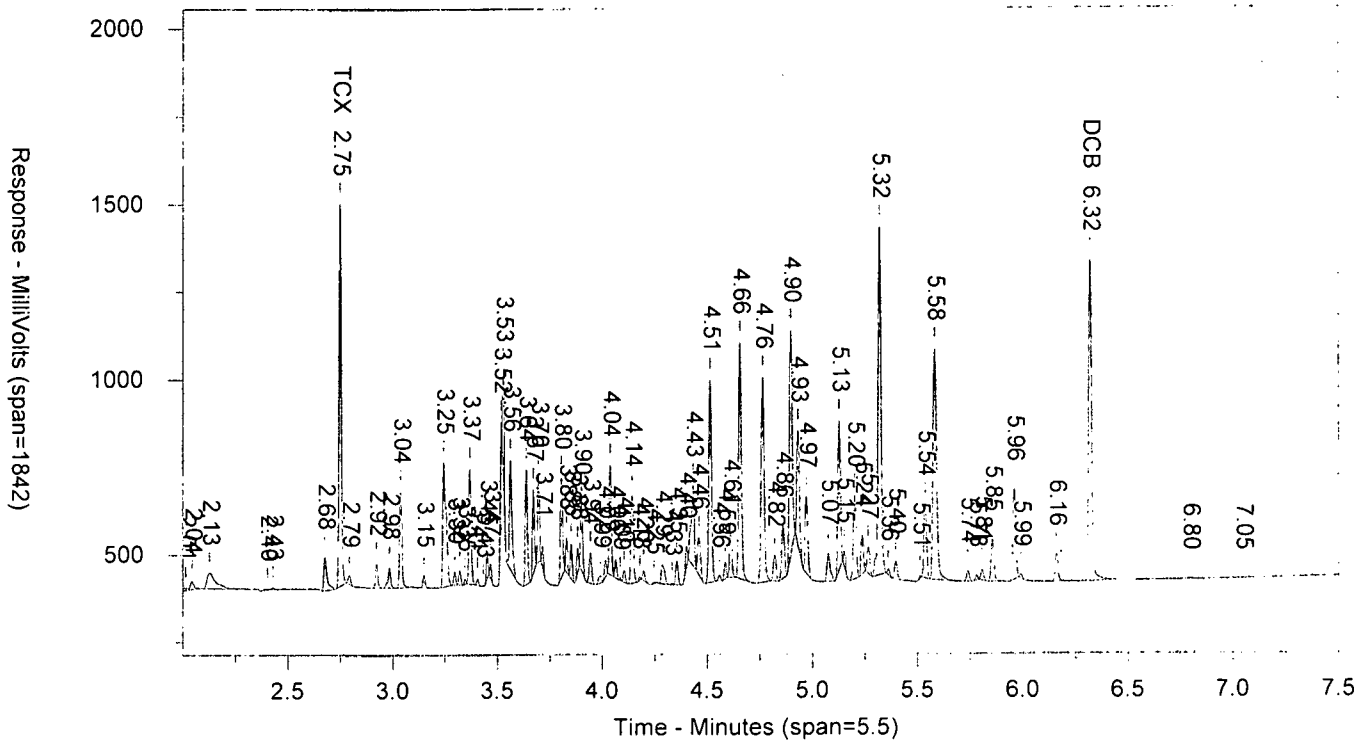

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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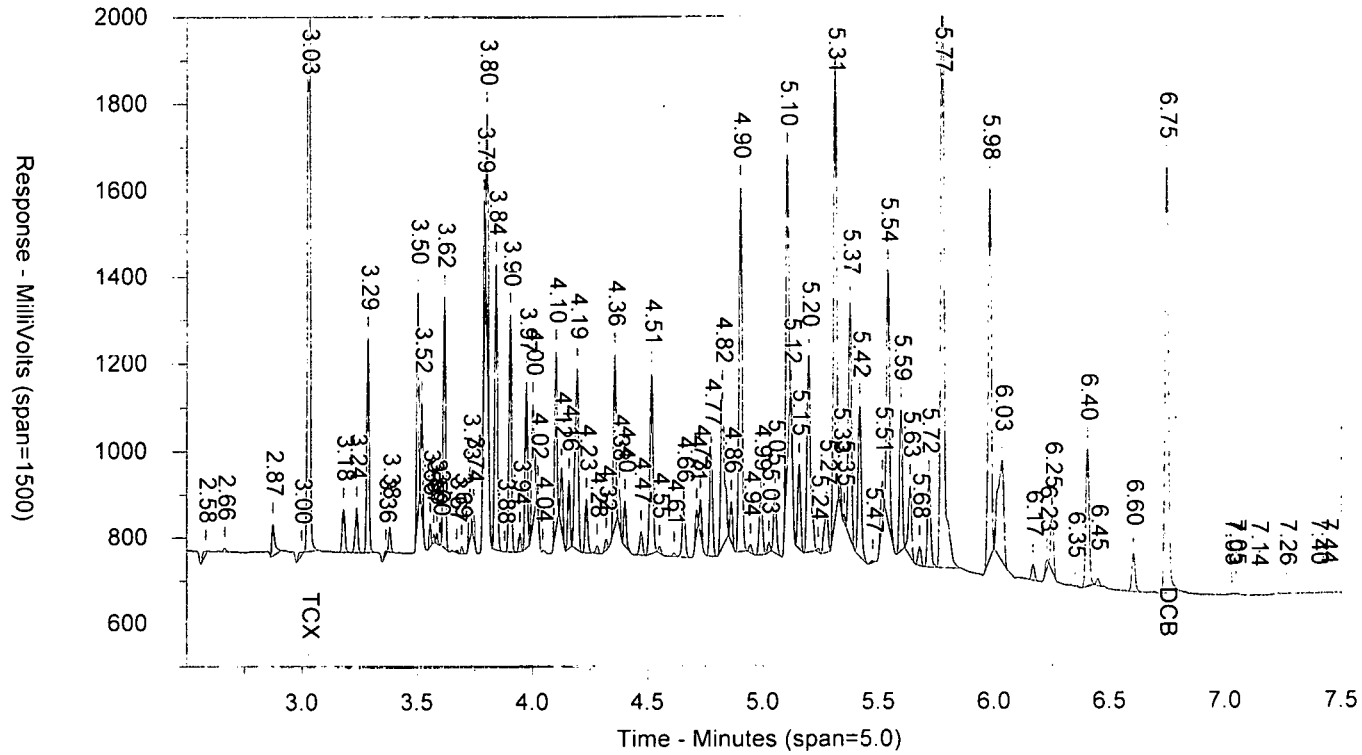

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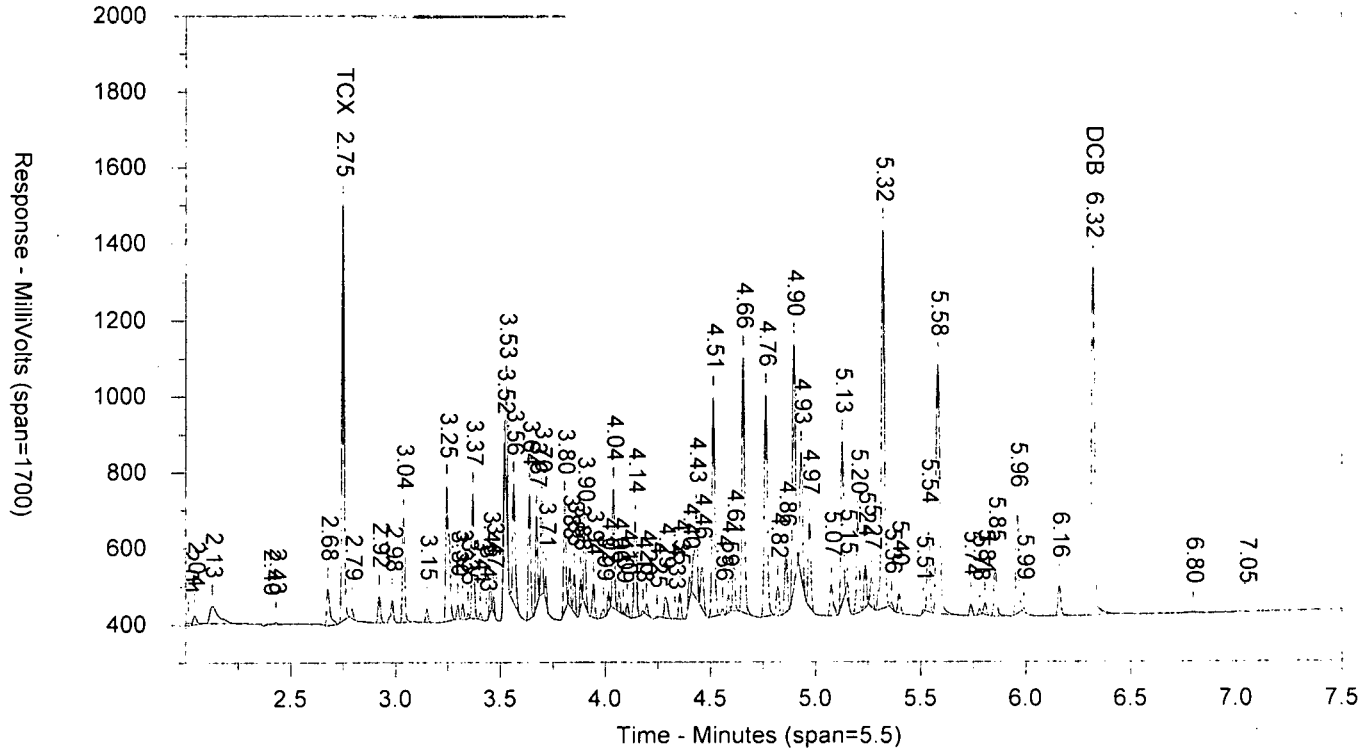

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 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: 07PCBS17292001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.589		16262	57815
1.677		14664	115982
1.861		2159	1051
2.131		35661	121997
2.185		64747	146801
2.316		54903	37802
2.41		28571	18622
2.426		22641	15703
2.581		10297	17581
2.664		16577	12233
2.796		1677	1221
2.875		34224	24011
2.922		1784	990
2.999		7624	16369
3.029	TCX	12934480	8314456
3.181		213225	176413
3.237		235985	227860
3.286		1012097	731297
3.362		26864	16798
3.381		116004	72509
3.421		3138	1884
3.503		1061049	627714
3.52		517301	274811
3.557		113327	63120
3.573		39398	17378
3.587		53831	26061
3.62		1231605	855240
3.656		5999	3740
3.675		20684	13087
3.695		47474	28072
3.731		244054	145501
3.746		128576	66098
3.793		651746	359920
3.805		1226952	618257
3.843		1385182	1046680
3.904		1172993	859568
3.945		89873	61604
3.974		806276	568414
4.002		563917	512996
4.024		134550	65511
4.102		854122	612385
4.128		299044	193028
4.158		330959	238509
4.194		875616	876238
4.236		265151	210635
4.283		38854	32610
4.322		52185	38238
4.359		842606	613273
4.378		182191	103877
4.403		218234	163714
4.473		110964	96794
4.518		860966	786128
4.552		33008	22634

RT A	Compound A	Height A	Area A
4.615		16379	14434
4.657		227674	216438
4.714		120991	75943
4.73		171709	110200
4.775		484856	431076
4.825		755877	838882
4.863		196008	144372
4.903		1743321	1592669
4.946		37507	31940
4.992		275906	278647
5.027		69790	52949
5.053		268454	230583
5.105		1454799	1156674
5.121		145593	92646
5.156		395004	357045
5.197		970049	1014113
5.239		20176	11084
5.275		230271	280062
5.311		2312021	2056026
5.334		94091	44981
5.353		41875	19032
5.376		1184719	1012565
5.418		741215	677272
5.469		5041	4281
5.515		212589	174807
5.539		1238424	1050217
5.597		608281	554625
5.636		343274	315318
5.676		126010	117767
5.719		432879	405011
5.775		2806721	2509855
5.797		60966	30150
5.98		1759482	1664243
6.034		477179	878650
6.169		133272	132127
6.232		82481	65266
6.251		253431	197239
6.405		665517	638838
6.45		36406	31741
6.606		206648	213191
6.696		2778	2095
6.752	DCB	5010740	5234122
6.96		1756	653
7.048		4059	4630
7.158		1206	433
7.225		5099	6016
7.378		1358	538
7.519		1887	702
7.748		1396	905
7.808		1217	421
7.845		1931	980
8.004		1485	501
8.342		1832	356
8.368		1062	597
8.552		1680	404

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 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, 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: 07PCBS17292001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.656		7318	46898
1.846		3903	11282
1.899		3443	4830
2.018		2153	9186
2.049		32948	37183
2.13		26340	51338
2.179		10013	8530
2.397		4174	7509
2.429		9845	8602
2.677		49747	58087
2.75	TCX	6222466	4257687
2.792		38721	27242
2.922		137075	106772
2.97		37110	19114
2.983		77870	42484
3.037		542237	396930
3.088		13318	8571
3.149		76229	56304
3.246		686226	781885
3.298		79472	50626
3.321		60337	40877
3.347		35829	19865
3.37		650196	500689
3.406		38366	23874
3.434		10869	4990
3.452		141822	80986
3.468		76515	39952
3.52		136021	106837
3.529		625952	311157
3.563		651141	527083
3.638		665874	479697
3.673		466368	308904
3.697		501584	313824
3.715		122209	64460
3.806		566994	425362
3.83		198317	116095
3.852		195947	132961
3.884		132575	76526
3.902		397034	275679
3.945		174252	142040
3.993		43689	43051
4.017		98832	64924
4.04		620034	460736
4.067		106230	67584
4.087		15232	6940
4.106		68970	45545
4.143		518999	420940
4.18		23334	14706
4.197		54979	40541
4.263		4756	9106
4.287		107158	125828
4.332		9484	5218
4.356		138686	112276
4.401		118006	78065

4.42		60755	33191
4.433		344815	221167
4.461		210768	212915
4.515		1187897	1052003
4.56		32262	27367
4.587		95717	70030
4.613		247808	187368
4.633		7414	2688
4.657		1347319	1181062
4.765		1160530	1199895
4.821		149983	141685
4.861		302675	294811
4.898		1326448	1191819
4.932		651039	536767
4.972		457808	397439
5.076		164864	182255
5.128		866159	758522
5.152		88674	57299
5.203		471613	464071
5.239		220367	179380
5.268		160200	151430
5.3		26202	17351
5.321		2005767	1836617
5.362		34552	25105
5.397		154726	139105
5.515		16116	10981
5.538		429735	384942
5.582		1335935	1635369
5.739		111742	105410
5.782		28501	21427
5.807		132909	114937
5.856		258221	256003
5.96		524415	485840
5.991		21432	16805
6.161		187557	185759
6.321	DCB	4558033	4514404
6.686		1254	1382
6.769		3375	3250
6.8		3423	3505
8.569		1580	2487

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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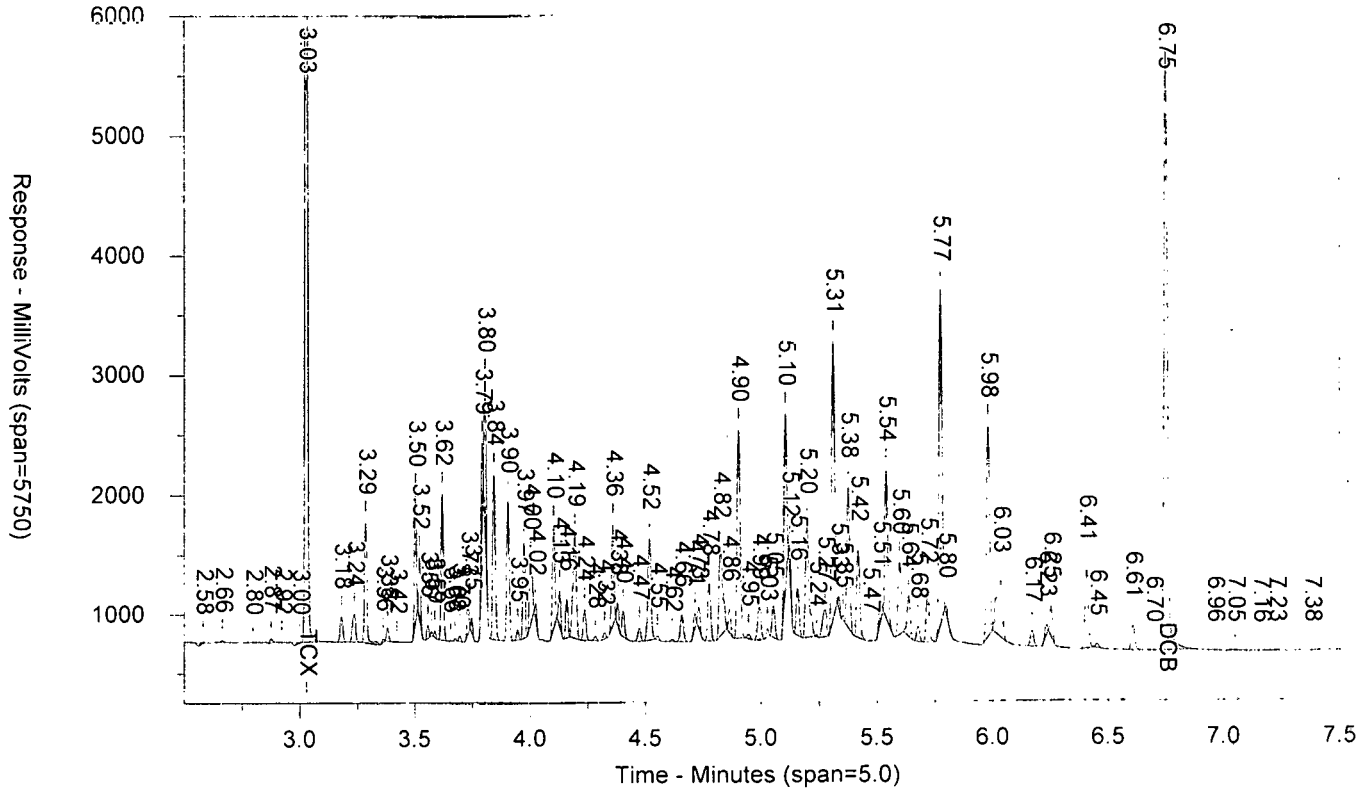

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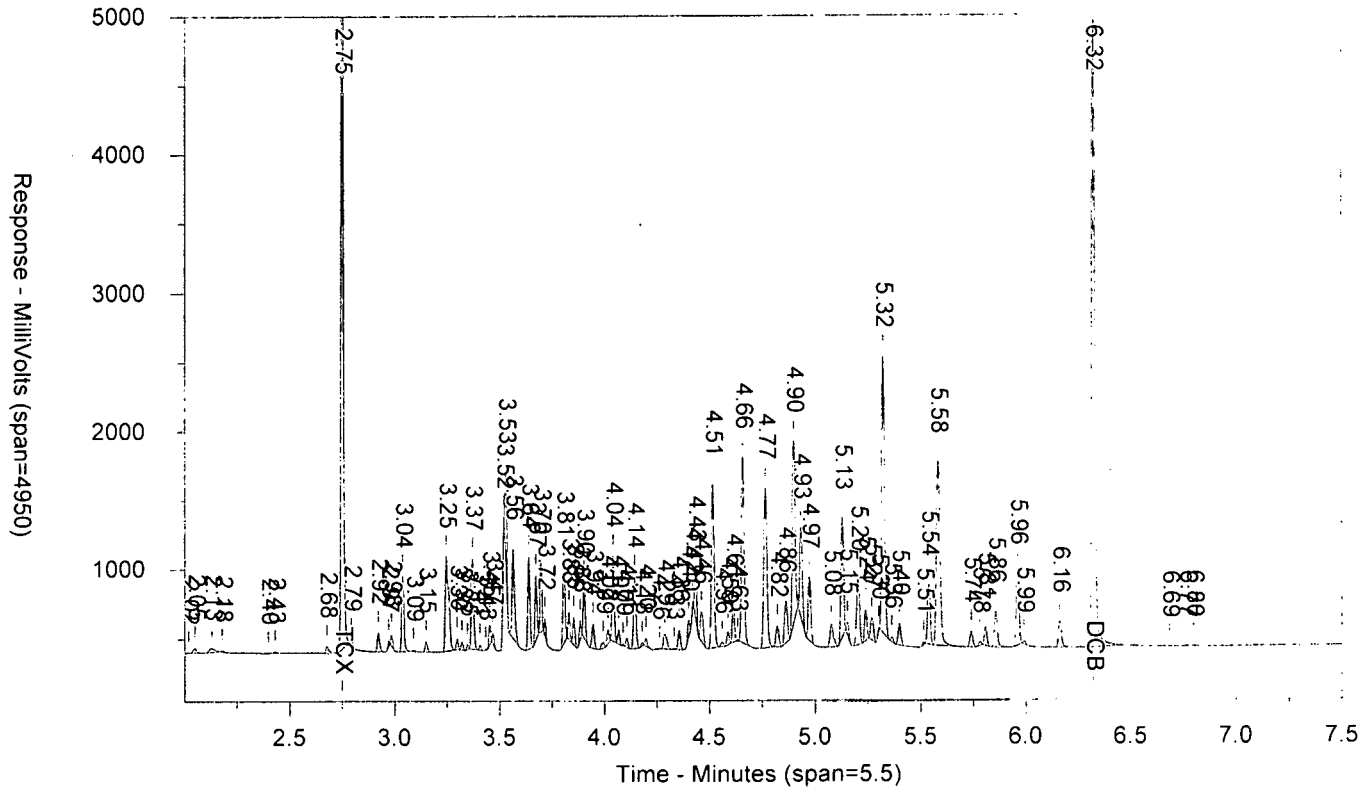

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	12934480	20.371	TCX	2.75	6222466	20.499	TCX
6.752	5010740	19.633	DCB	6.321	4558033	19.754	DCB

Files:
Area File: 07PCBS17292001.0009.RAW
Area File: 07PCBS17292001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:13:21 PM
File Reported On: 10/22/2017 at 1:33:54 PM

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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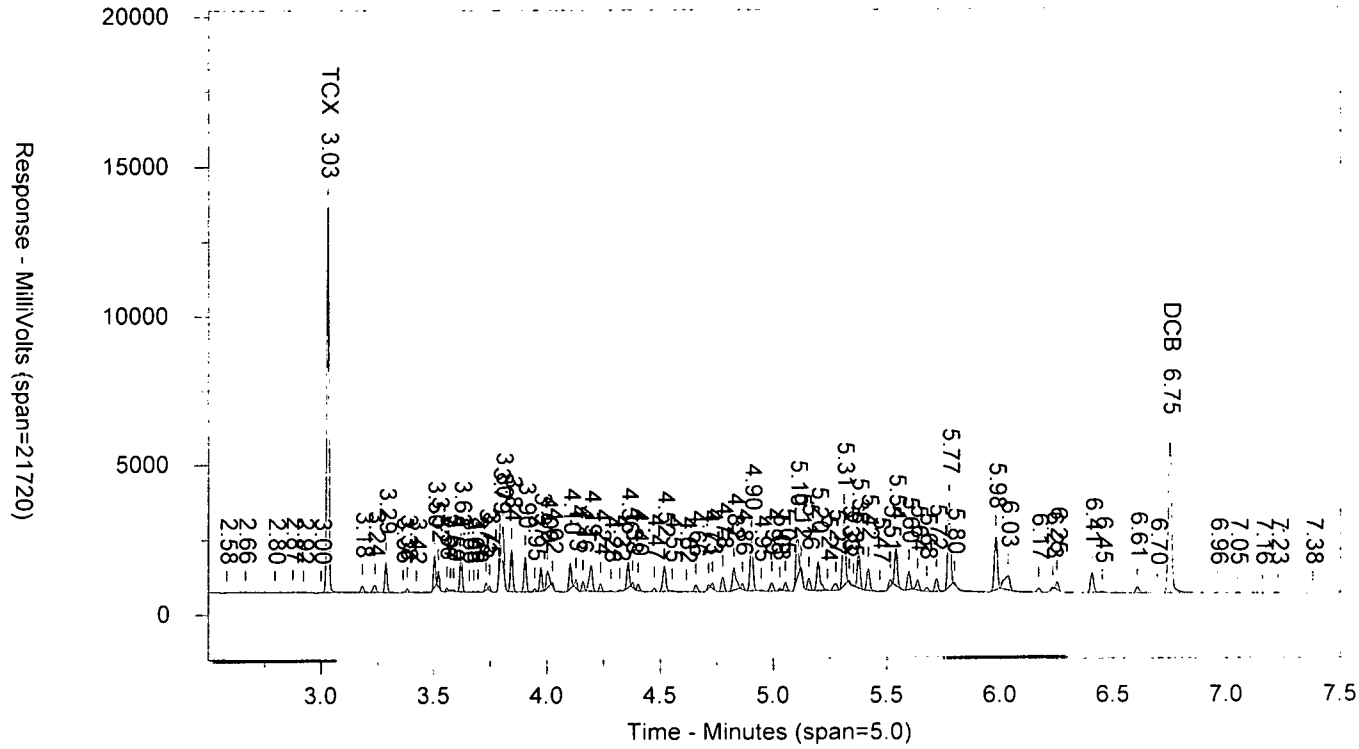

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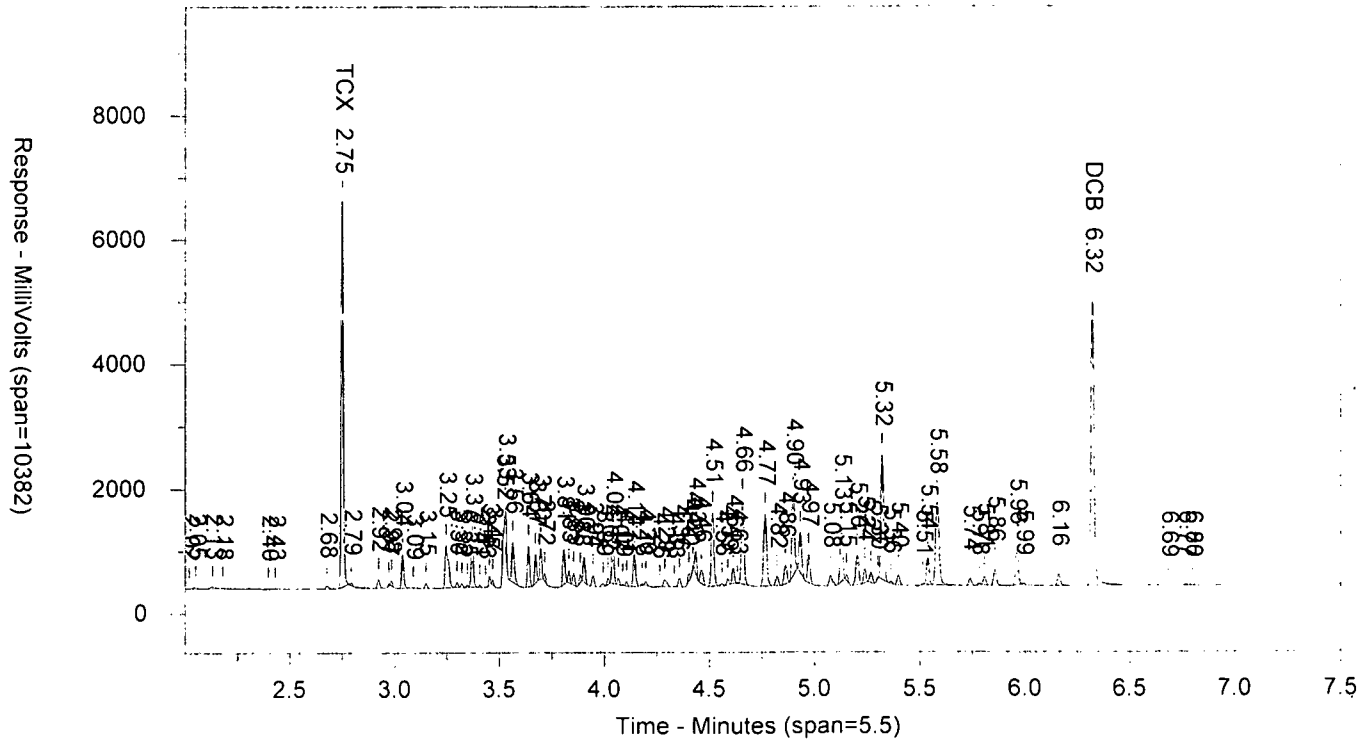

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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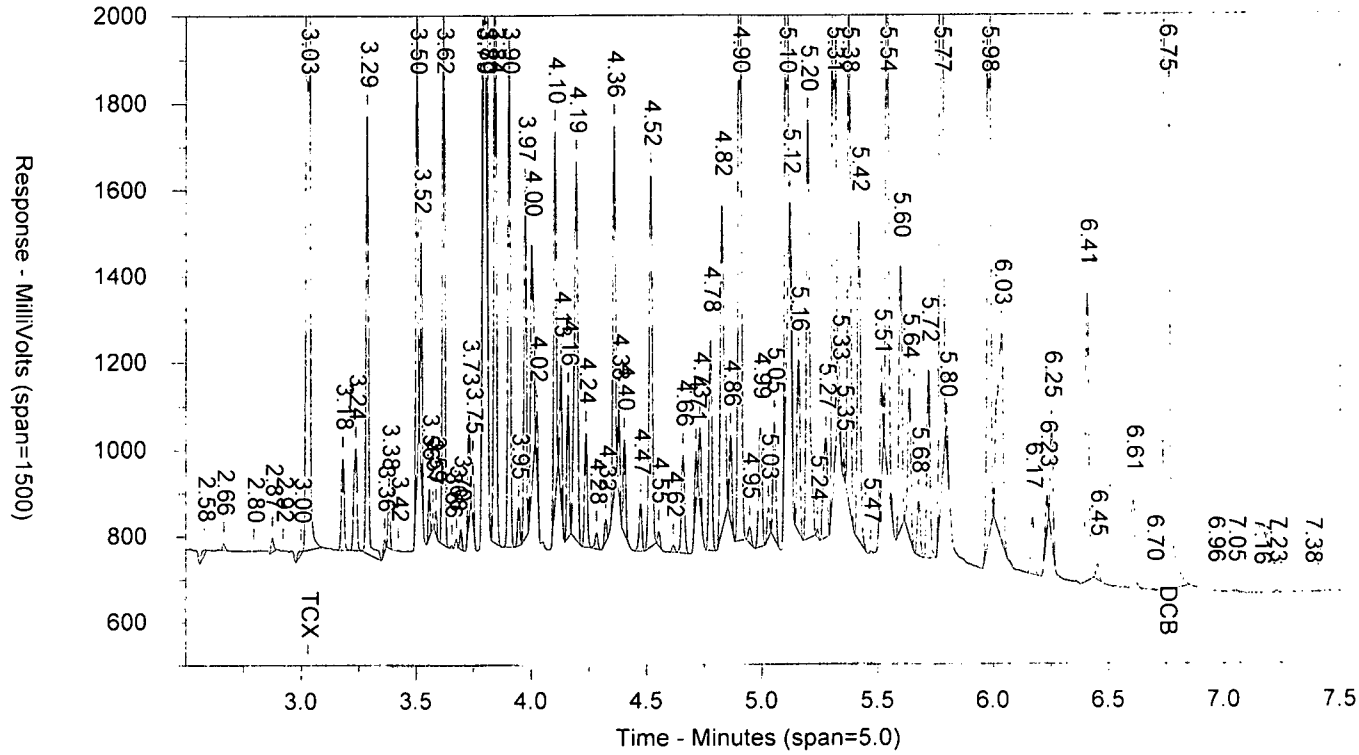

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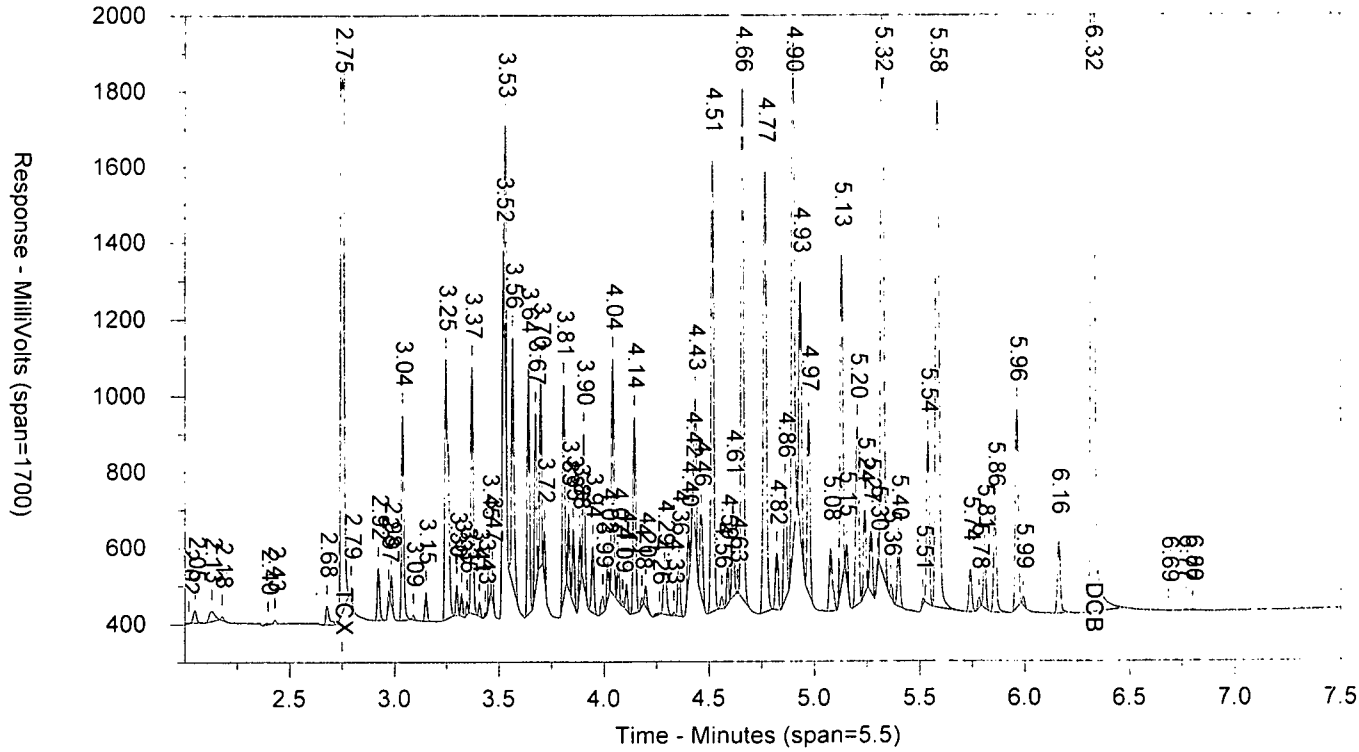

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 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: 07PCBS17292001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.549		6038	7012
1.674		10407	108170
1.874		1958	1576
1.926		2940	2439
1.963		2219	3767
2.052		1595	1722
2.133		57263	134865
2.185		107585	313898
2.241		45485	111224
2.316		130252	140044
2.41		31454	24739
2.427		46011	34086
2.519		3193	1901
2.593		14426	44545
2.664		32838	24812
2.742		2413	2464
2.874		46761	41891
2.96		19682	19653
3.029	TCX	26489750	17378830
3.129		5064	2628
3.181		426951	357395
3.237		461764	458675
3.286		2101909	1448697
3.363		49797	29366
3.381		234248	148218
3.421		7297	4672
3.503		2232677	1271919
3.521		1076644	567374
3.558		224078	128680
3.573		87086	37061
3.587		123652	60861
3.62		2494895	1788688
3.655		11268	5753
3.675		38702	24548
3.695		112877	70488
3.731		492273	287882
3.746		256558	133002
3.792		1377470	752439
3.805		2470645	1294858
3.844		2931932	2186755
3.904		2407622	1794565
3.946		186931	126073
3.973		1593080	1161874
4.002		1121464	1067036
4.024		253047	120669
4.102		1797488	1261001
4.127		631909	396710
4.159		689034	485992
4.194		1793484	1831904
4.236		538861	427156
4.283		81380	67482
4.323		113938	78985
4.359		1700755	1246511

RT A	Compound A	Height A	Area A
4.379		364880	211324
4.403		453369	334965
4.474		227511	194759
4.517		1752956	1592508
4.553		72054	50896
4.594		1421	354
4.616		36615	30775
4.658		515640	497151
4.714		218308	150439
4.73		334027	218849
4.777		978481	872942
4.824		1536189	1675971
4.863		390708	290126
4.903		3668115	3246517
4.946		90794	77513
4.993		549567	556895
5.028		155376	117704
5.053		529774	445117
5.106	(3)	2941455	2306648
5.122		370744	210406
5.157		819074	720410
5.198		1939844	2069233
5.24		42838	24446
5.275		472779	556795
5.311		4623631	4177107
5.333		192780	92990
5.352		96823	43592
5.376		2396599	2067035
5.419		1437901	1370014
5.47		4107	3066
5.515		421640	342652
5.539		2426908	2135797
5.596		1265897	1104208
5.635		680202	638307
5.676		249122	238268
5.718		820778	808749
5.775		5713120	5123408
5.798		99990	45678
5.854		6051	7568
5.98		3700410	3369887
6.033		943228	1780582
6.168		244498	237379
6.231		152549	118734
6.251		527967	402203
6.405		1304690	1284100
6.449		70121	62028
6.605		418243	412098
6.694		1944	927
6.75	DCB	10530450	10663490
7.039		1573	1039
7.226		9049	12994
7.446		2071	1882
7.67		1660	1140
7.916		1286	845
8.174		1599	643
8.322		1940	410
8.432		1506	1066
8.623		1543	393

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LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 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, 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: 07PCBS17292001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.637		2055	14143
1.84		3997	10239
1.917		6720	25489
2.009		4235	10579
2.05		56855	58329
2.129		32141	60203
2.179		20831	16659
2.396		4195	7736
2.429		19373	16177
2.677		60549	52257
2.749	TCX	12387110	8848575
2.792		76878	52015
2.922		267445	212709
2.97		73361	36133
2.983		152093	83258
3.037		1095577	783420
3.088		24178	15332
3.149		148978	113075
3.246		1358524	1535493
3.298		153858	100472
3.32		96947	59261
3.347		75493	43606
3.37		1327960	993997
3.406		80794	51789
3.435		20025	9431
3.453		285230	161844
3.468		152914	77818
3.519		434861	254937
3.529		1226738	636295
3.564		1345573	1081593
3.639		1361661	972798
3.672		911997	603461
3.697		1017037	629453
3.715		245733	126466
3.806		1122691	848286
3.83		385100	228628
3.853		388688	259472
3.884		275126	155003
3.902		792603	549037
3.945		343556	281904
3.993		98098	95424
4.017		195654	128591
4.04		1245412	905771
4.066		214036	133869
4.087		31627	14878
4.106		129037	88007
4.143		1007269	811639
4.18		47631	31496
4.197		104710	73622
4.244		4566	2635
4.264		8283	6309
4.286		248762	281386
4.332		23014	13637
4.356		275391	220412

4.402		223657	142489
4.42		116675	65514
4.433		618410	407958
4.461		408780	414491
4.515		2373658	2057760
4.559		70168	59396
4.588		185635	134706
4.613		473927	356576
4.634		17692	6756
4.657		2656317	2294887
4.765		2367852	2367547
4.822		306489	276965
4.861		568895	570176
4.898		2645217	2404891
4.932		1341450	1067112
4.971		890633	764859
5.076		322035	355275
5.128		1738339	1495596
5.152		177318	113598
5.203		915194	891568
5.238		422962	345701
5.267		306285	292523
5.3		51782	36246
5.321		4107708	3748267
5.362		69208	50311
5.397		284039	264656
5.514		33885	21902
5.537		830484	745431
5.582		2809915	3263686
5.739		203636	186866
5.781		58254	43416
5.807		245338	211640
5.856		510191	495862
5.96		1039472	961690
5.992		45696	33325
6.161		361447	355915
6.32	DCB	9178973	9145075
6.77		6153	5762
7.709		1574	2032
8.401		1913	3176

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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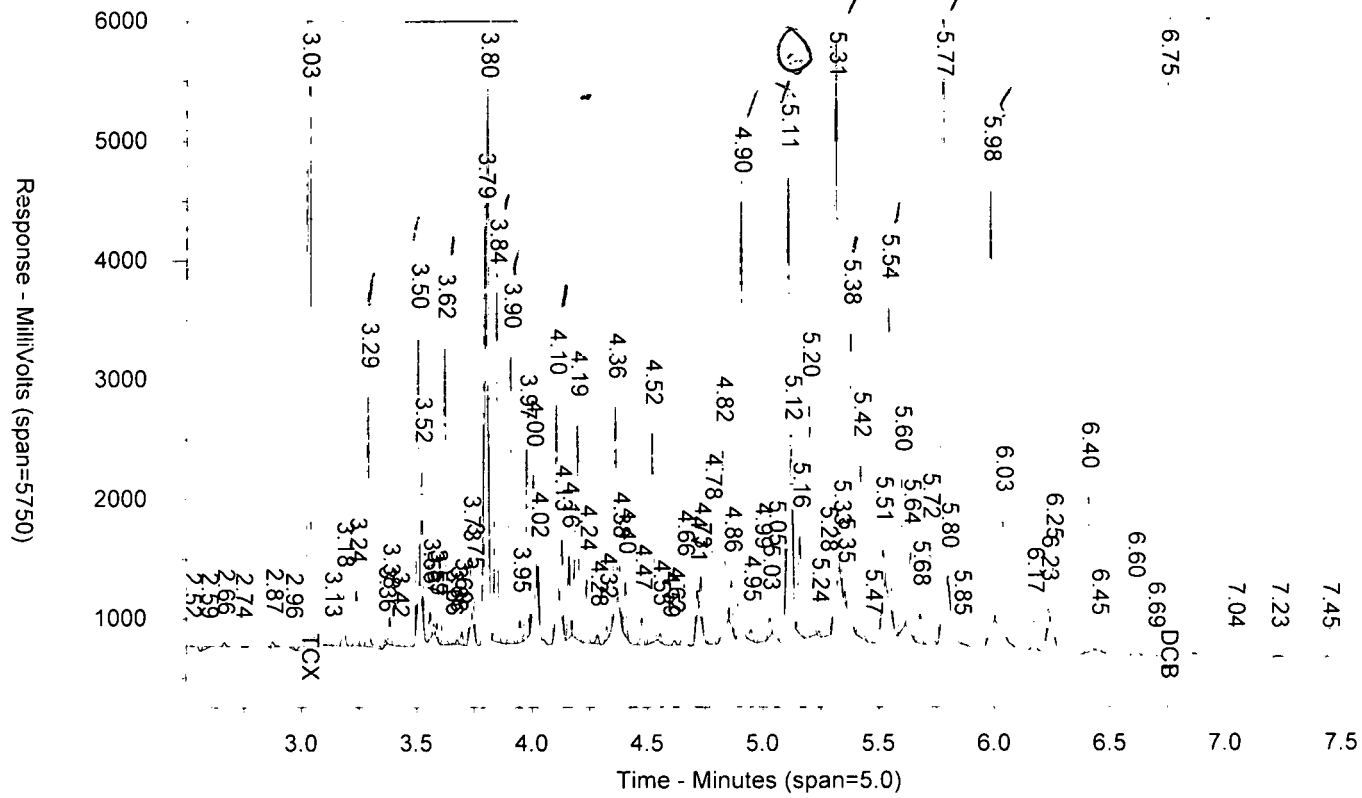

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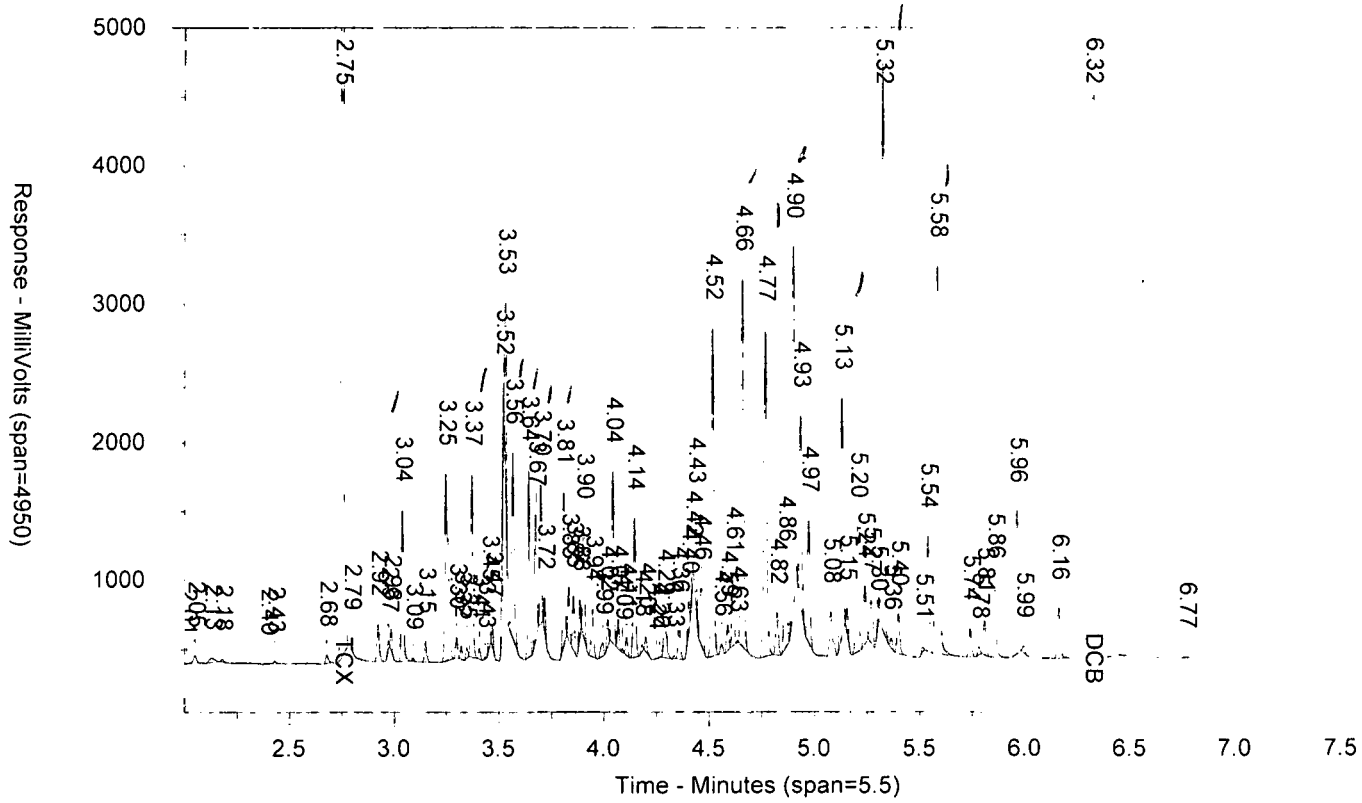

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	26489750	41.719	TCX	2.749	12387110	40.808	TCX
6.75	10530450	41.259	DCB	6.32	9178973	39.781	DCB

Files:
Area File: 07PCBS17292001.0010.RAW
Area File: 07PCBS17292001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:24:49 PM
File Reported On: 10/22/2017 at 1:34:04 PM

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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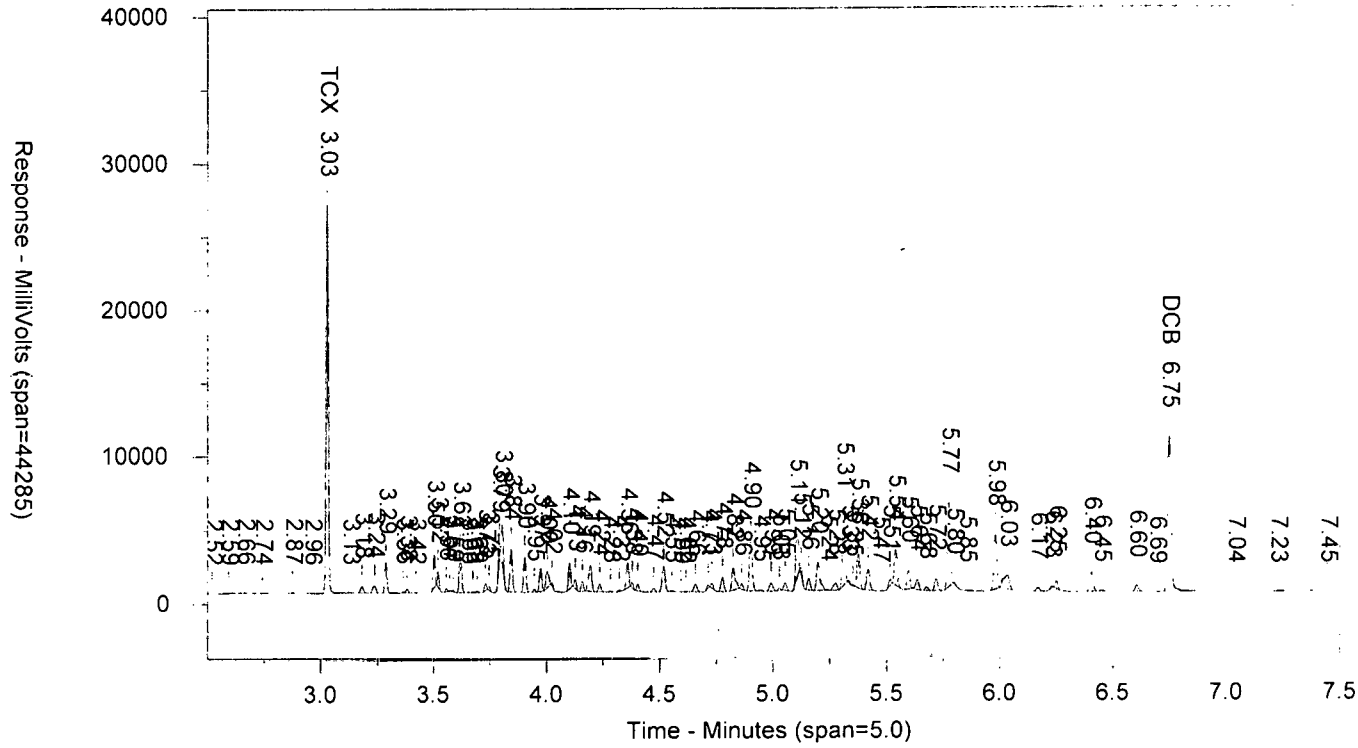

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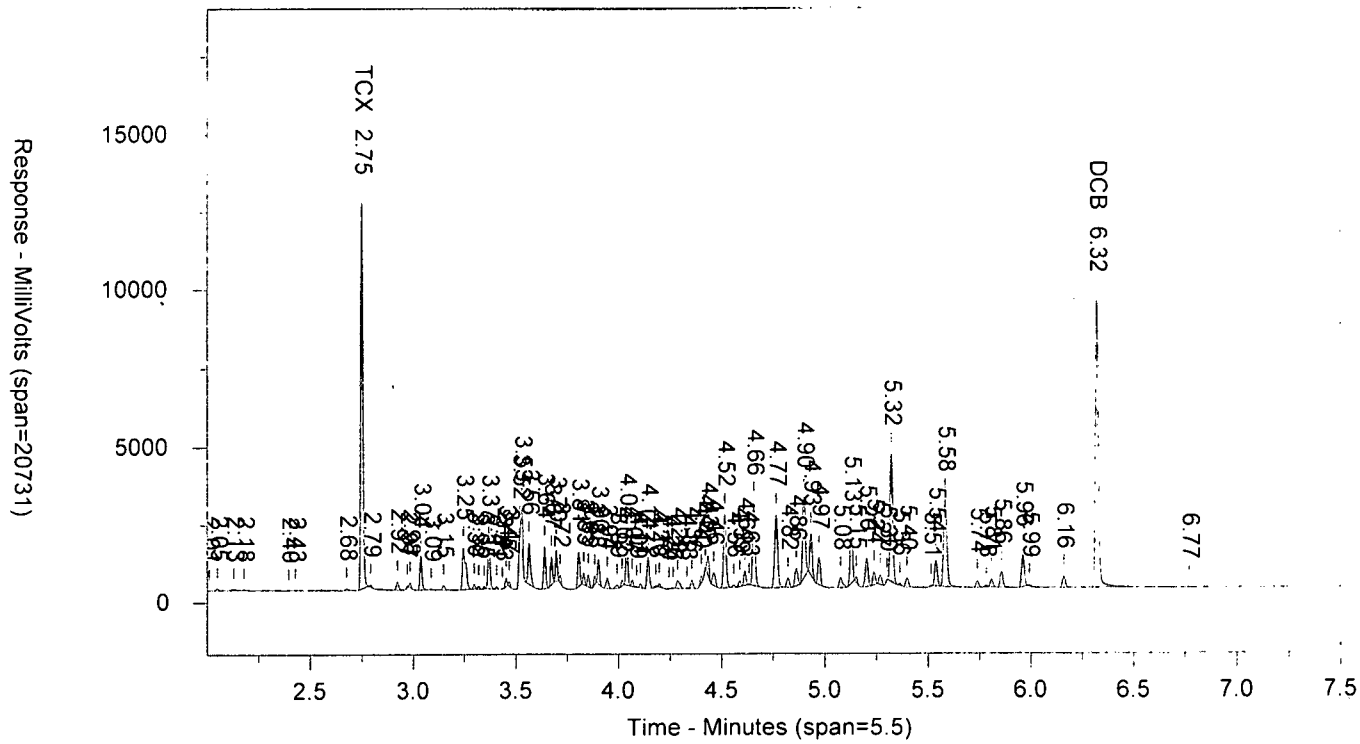

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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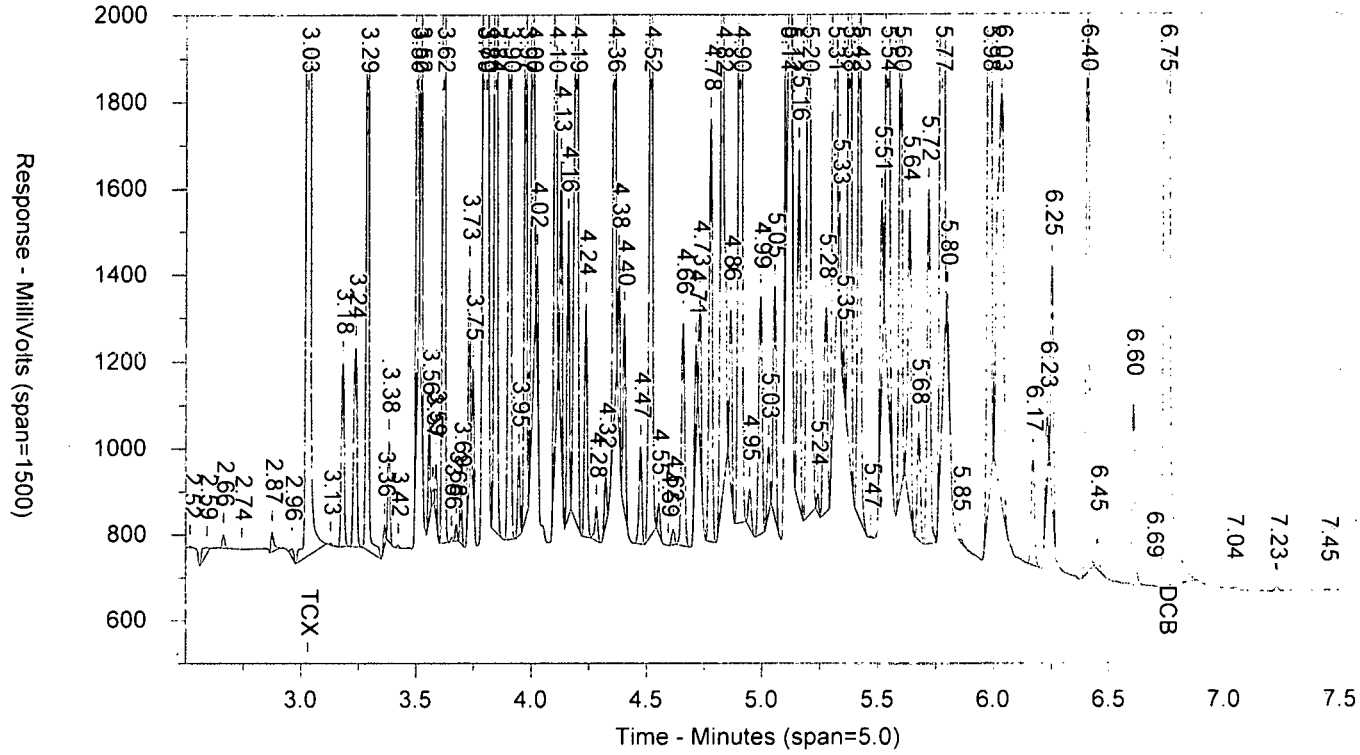

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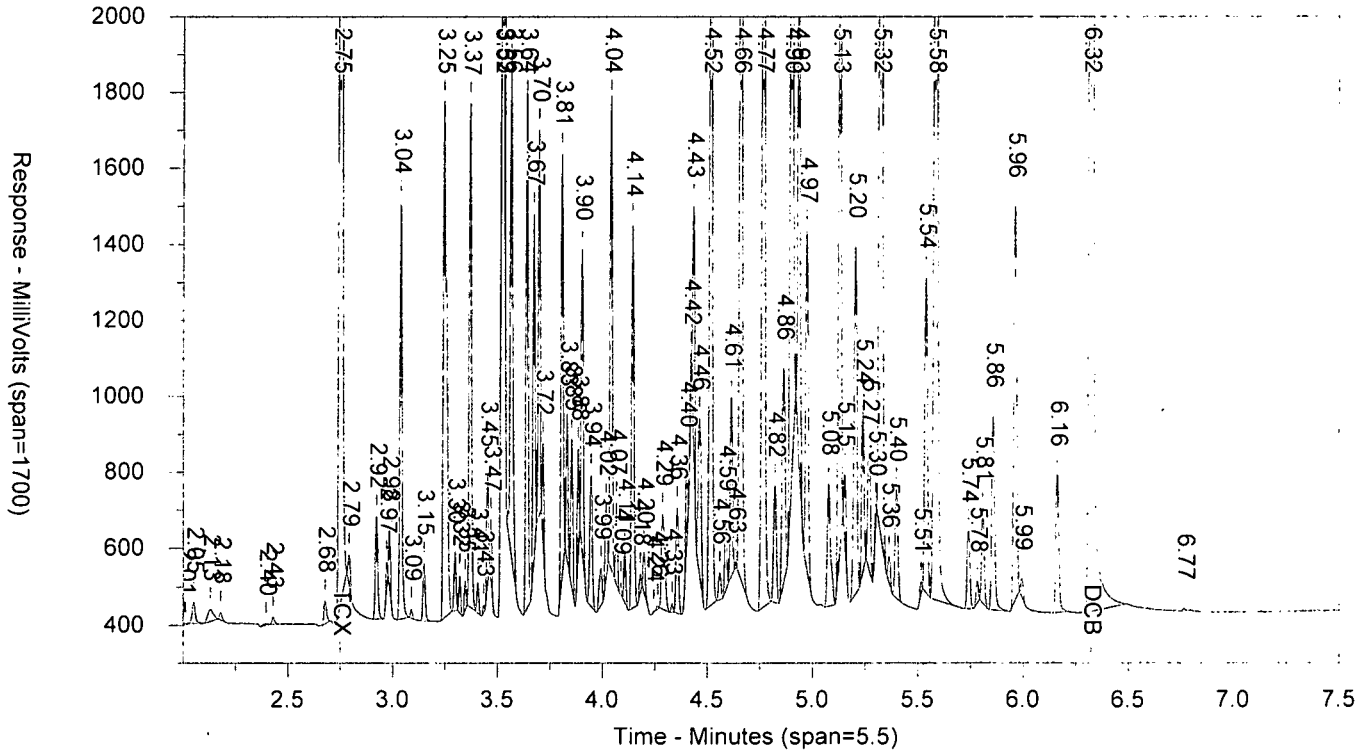

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 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: 07PCBS17292001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.548		15173	20626
1.591		43486	81838
1.674		7579	74038
1.82		3129	4348
1.863		2517	2343
1.931		2395	2697
1.963		1492	2233
2.047		1754	809
2.129		34101	78943
2.185		169055	419986
2.316		174425	162955
2.41		29802	23087
2.427		66810	46843
2.518		5114	3946
2.59		7298	21876
2.641		2871	1328
2.663		75051	53007
2.874		101530	103767
2.942		7893	4798
3.029	TCX	40361620	26075060
3.13		7680	3950
3.18		1012895	851282
3.237		1066285	923220
3.286		4986319	3384999
3.362		61956	33894
3.38		565749	361693
3.419		14574	8958
3.502		5145782	3070162
3.519		2730121	1414603
3.557		565726	311762
3.573		196582	83727
3.586		284242	141495
3.618		6075321	4361114
3.654		24794	12926
3.673		58450	37257
3.693		296524	189309
3.73		1205163	716768
3.745		642430	325245
3.791		3314899	1768410
3.803		6739618	3469013
3.842		7261620	5449000
3.903		6210819	4529674
3.944		433028	303668
3.972		4008376	2894152
4		2925794	2607174
4.023		727045	378005
4.1		4470390	3184361
4.126		1596868	1030125
4.157		1716738	1217923
4.193		4673731	4658416
4.235		1343263	1064493
4.281		193823	162833
4.321		267207	190917

RT A	Compound A	Height A	Area A
4.357		4316574	3142516
4.377		1045122	579690
4.402		1150815	851139
4.472		559626	478199
4.515		4311775	3982891
4.551		172309	119212
4.591		1698	707
4.615		75109	62605
4.656		1111729	1050705
4.712		552254	362225
4.728		813387	562361
4.775		2482078	2205341
4.823		4000066	4302628
4.861		1018880	747076
4.901		9213071	8260697
4.945		187348	169181
4.991		1365322	1401803
5.026		287445	208970
5.051		1399256	1171905
5.104		7655323	6103273
5.121		997363	507610
5.155		2146182	1820001
5.196		5173389	5440336
5.238		103795	57914
5.275		1103024	1291496
5.31		12495320	11027960
5.333		509987	271083
5.35		236725	107285
5.375		6241891	5372907
5.417		3864789	3551947
5.514		1110205	926253
5.538		6373273	5490560
5.595		3328962	2863409
5.634		1767435	1662084
5.675		526250	495549
5.717		2284720	2106520
5.774		15815260	13792850
5.796		136619	67676
5.979		9164692	8569515
6.033		2447971	4561679
6.167		468453	435459
6.23		247024	199207
6.25		1318475	1035578
6.404		3364125	3126627
6.449		178926	149766
6.604		888823	910745
6.749	DCB	15008010	15833660
7.054		2941	1244
7.159		1536	500
7.222		12230	14184
7.395		1058	381
7.506		1639	457
7.537		1270	338
7.952		1252	543
8.318		1537	365
8.408		1256	462
8.455		1158	625
8.623		1406	505

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 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, 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: 07PCBS17292001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.517		3583	11371
1.62		760	6179
1.717		1495	1024
1.899		6335	30231
2.015		2027	6169
2.05		82407	79236
2.129		70337	140479
2.179		29053	22394
2.276		2708	2977
2.398		2807	4962
2.429		43815	37254
2.677		135759	157840
2.749	TCX	19556550	13502850
2.792		192582	145732
2.922		626314	491576
2.97		82080	40039
2.983		395577	234957
3.036		2555538	1826707
3.088		35110	21316
3.149		336668	256732
3.245		3230871	3557421
3.298		349925	232227
3.32		216623	135299
3.346		189497	109295
3.369		3160645	2345792
3.406		169518	111151
3.434		30527	13841
3.452		702450	397537
3.468		353604	185928
3.519		1367564	700847
3.528		3265544	1589481
3.548		40236	11086
3.562		3245003	2456608
3.638		3396664	2401005
3.672		2216864	1454101
3.696		2550858	1513652
3.714		575111	298386
3.805		2755887	2053779
3.829		906437	542505
3.852		943989	619369
3.883		633193	354843
3.901		1978262	1359076
3.944		794528	665780
3.992		195348	194708
4.016		478513	309720
4.039		3075234	2225050
4.066		518187	329862
4.086		76881	35101
4.105		292270	203601
4.142		2491011	1950706
4.179		107196	74575
4.195		231881	164536
4.242		9129	5119
4.261		22090	15693

4.285		500827	575408
4.33		36635	21156
4.355		651673	530078
4.4		561186	347257
4.42		219453	143858
4.432		1672980	1065900
4.46		969129	1006940
4.514		5945989	5089791
4.558		136926	119404
4.586		456264	334366
4.611		1179521	897671
4.655		6766968	5931523
4.764		5967649	6006840
4.82		704570	658604
4.86		1411728	1361034
4.896		7081039	6324838
4.931		3313922	2668017
4.97		2311673	1937263
5.034		9209	9729
5.075		770988	874910
5.127		4456010	3791828
5.152		453688	289424
5.202		2300770	2173209
5.237		1070481	865117
5.266		746895	694761
5.299		147474	102998
5.32		10807980	9694918
5.361		158003	121832
5.397		591275	529760
5.514		79571	51492
5.537		2013388	1812251
5.582		7301063	8269988
5.738		362269	336629
5.78		140373	107084
5.807		410421	357140
5.855		1201249	1155632
5.96		2564614	2337707
5.991		104949	76447
6.16		797916	781245
6.32	DCB	13927030	13470740
6.767		8813	7713
6.799		2547	2986
6.949		2407	2176
7.913		1698	1351
8.424		1709	1073
8.637		2827	4847

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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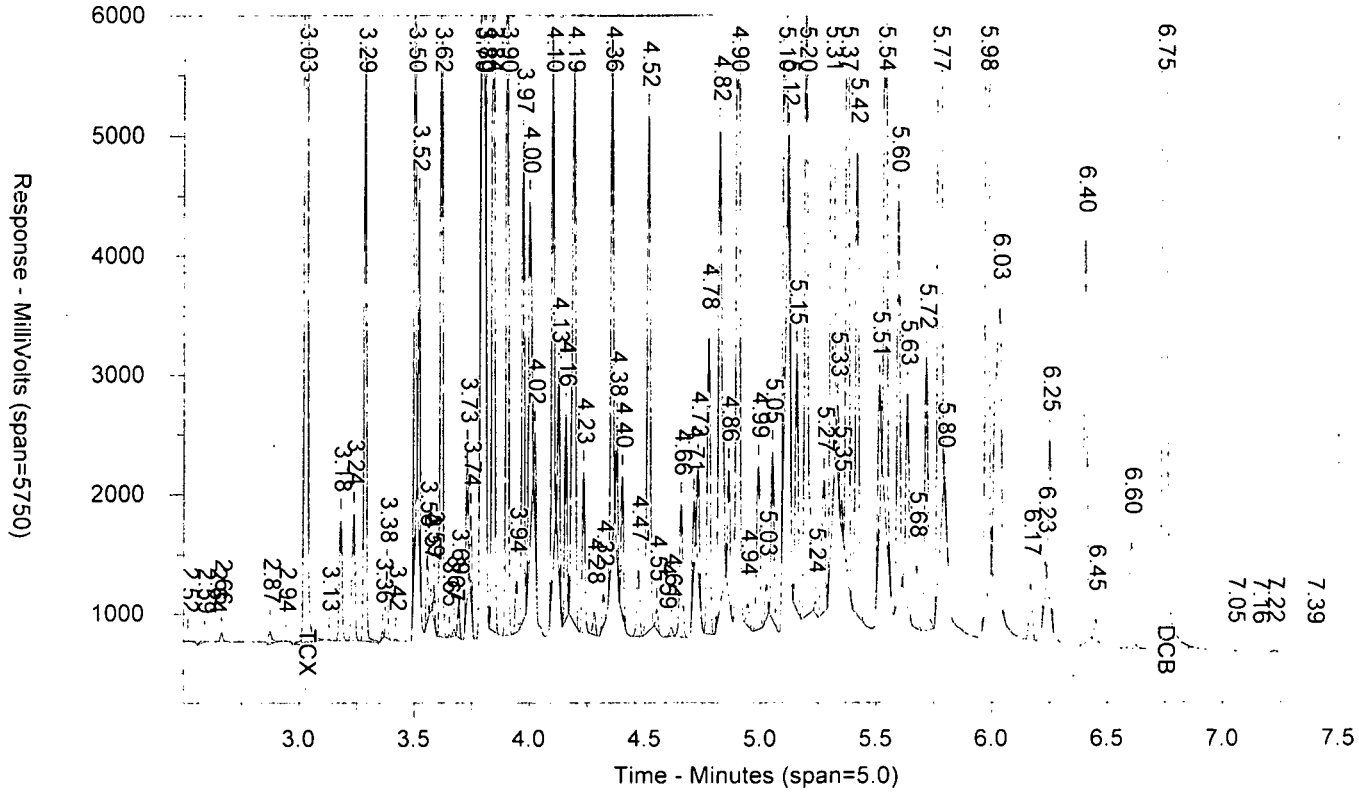

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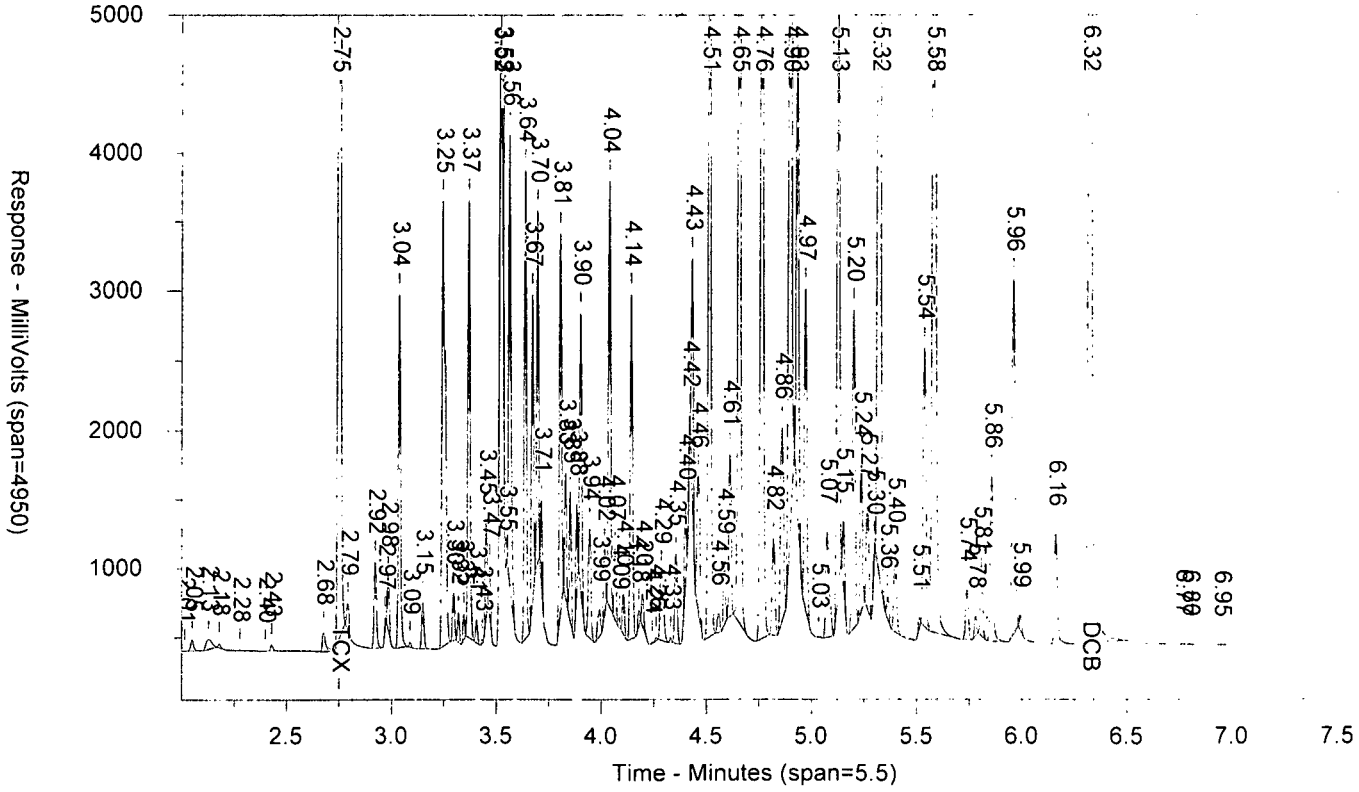

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	40361620	63.566	TCX	2.749	19556550	64.426	TCX
6.749	15008010	58.803	DCB	6.32	13927030	60.359	DCB

Files:
Area File: 07PCBS17292001.0011.RAW
Area File: 07PCBS17292001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:36:15 PM
File Reported On: 10/22/2017 at 1:34:14 PM

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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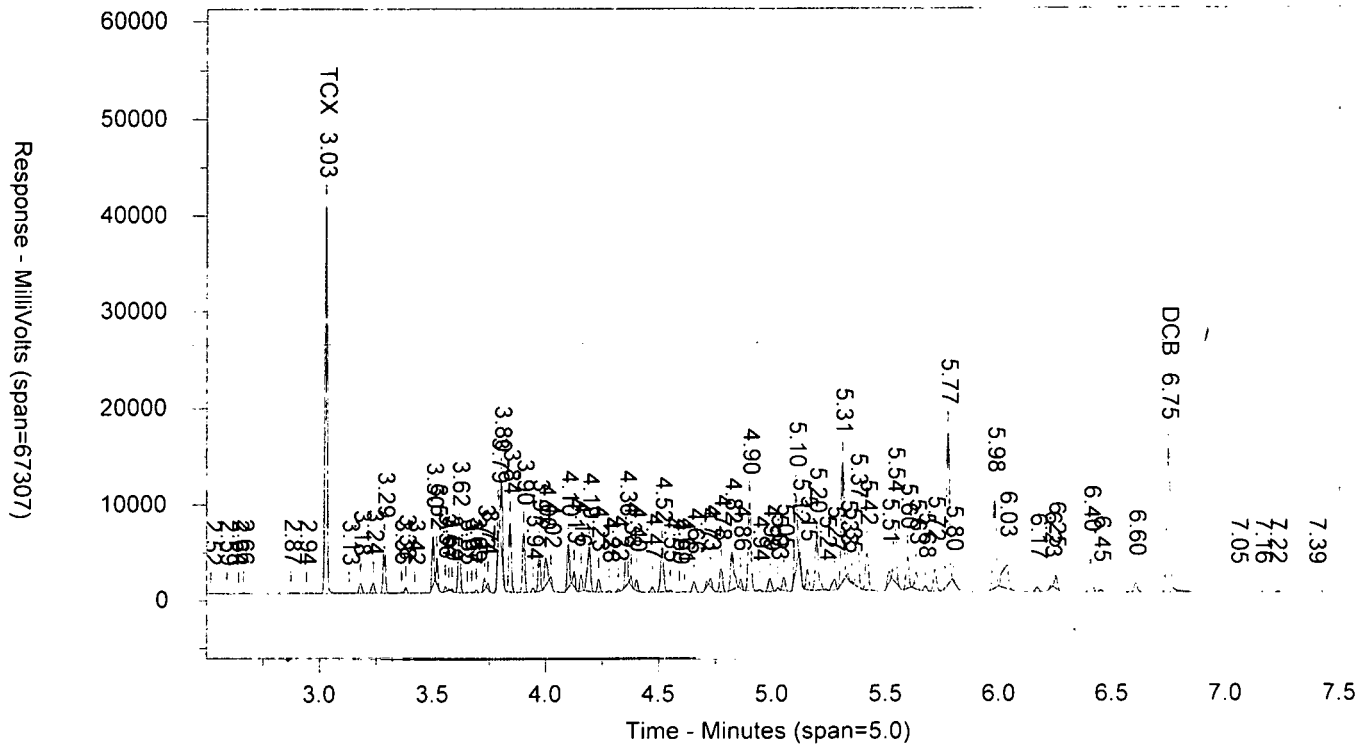

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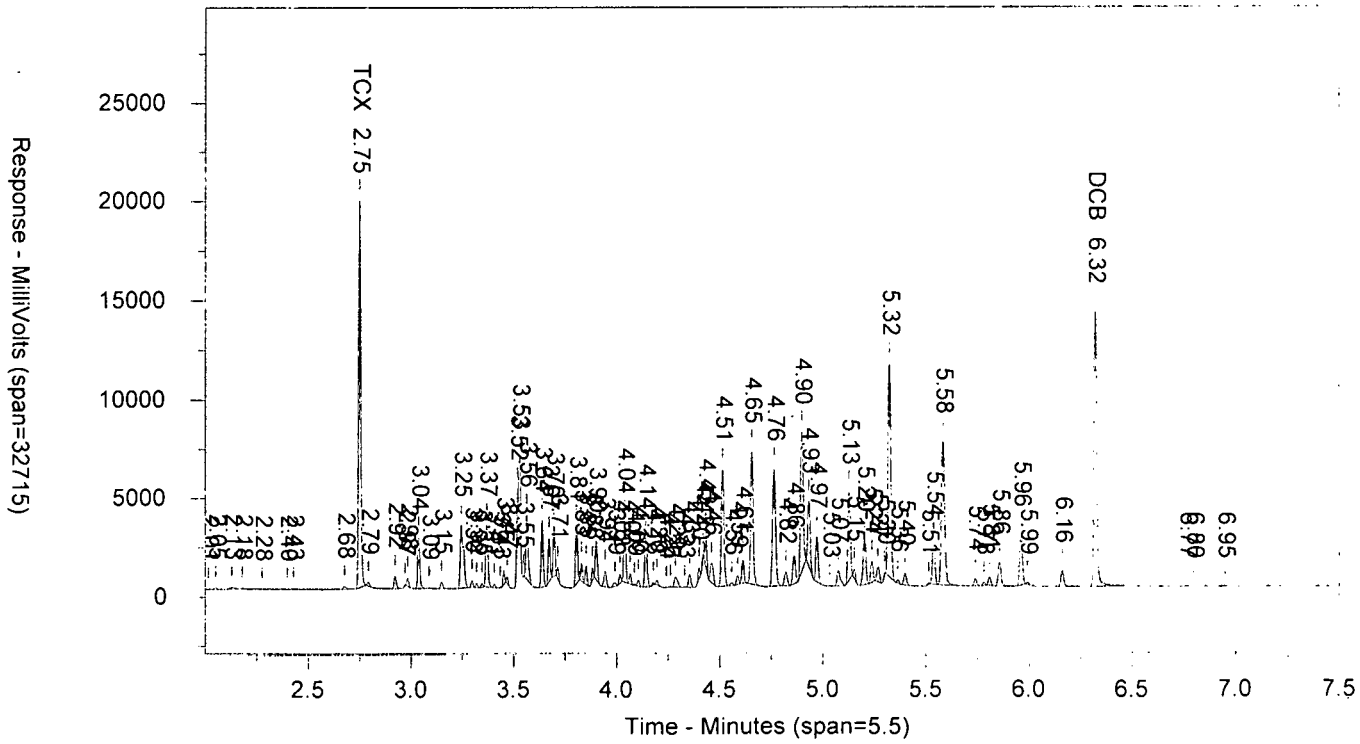

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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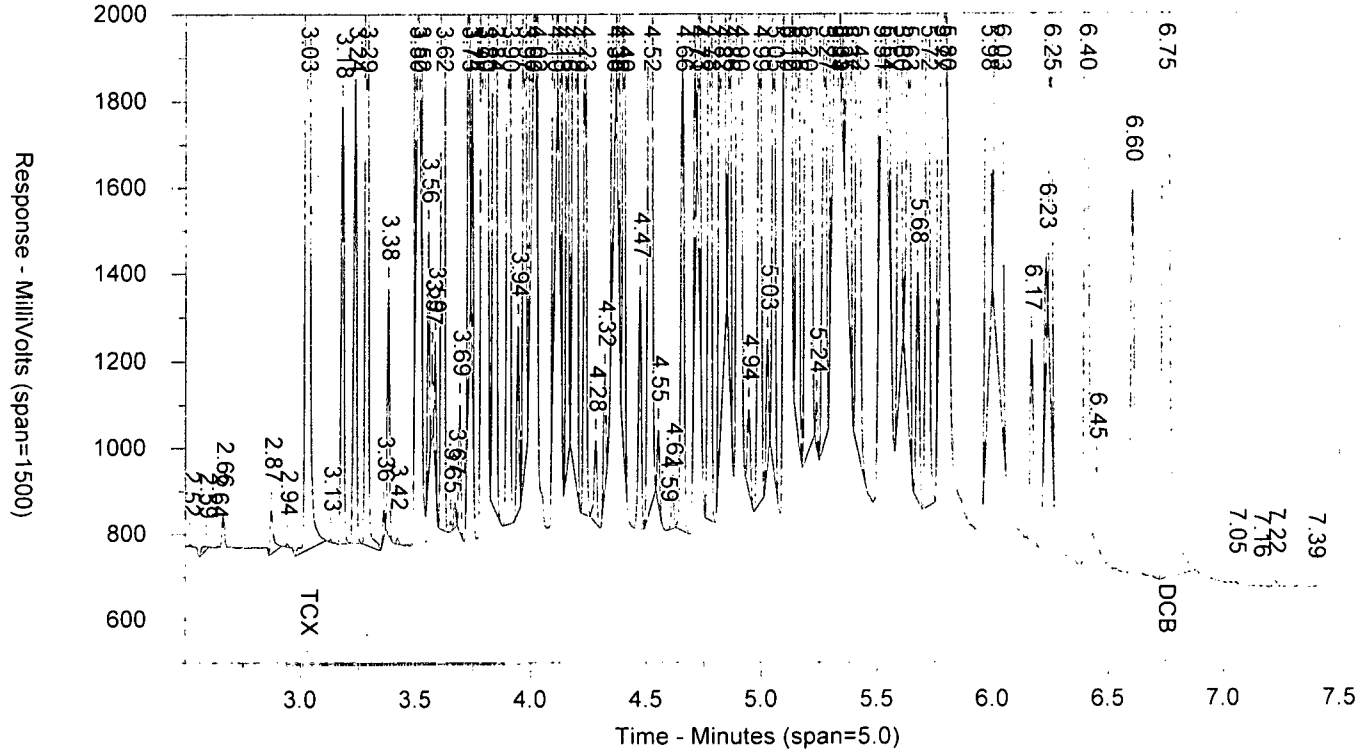

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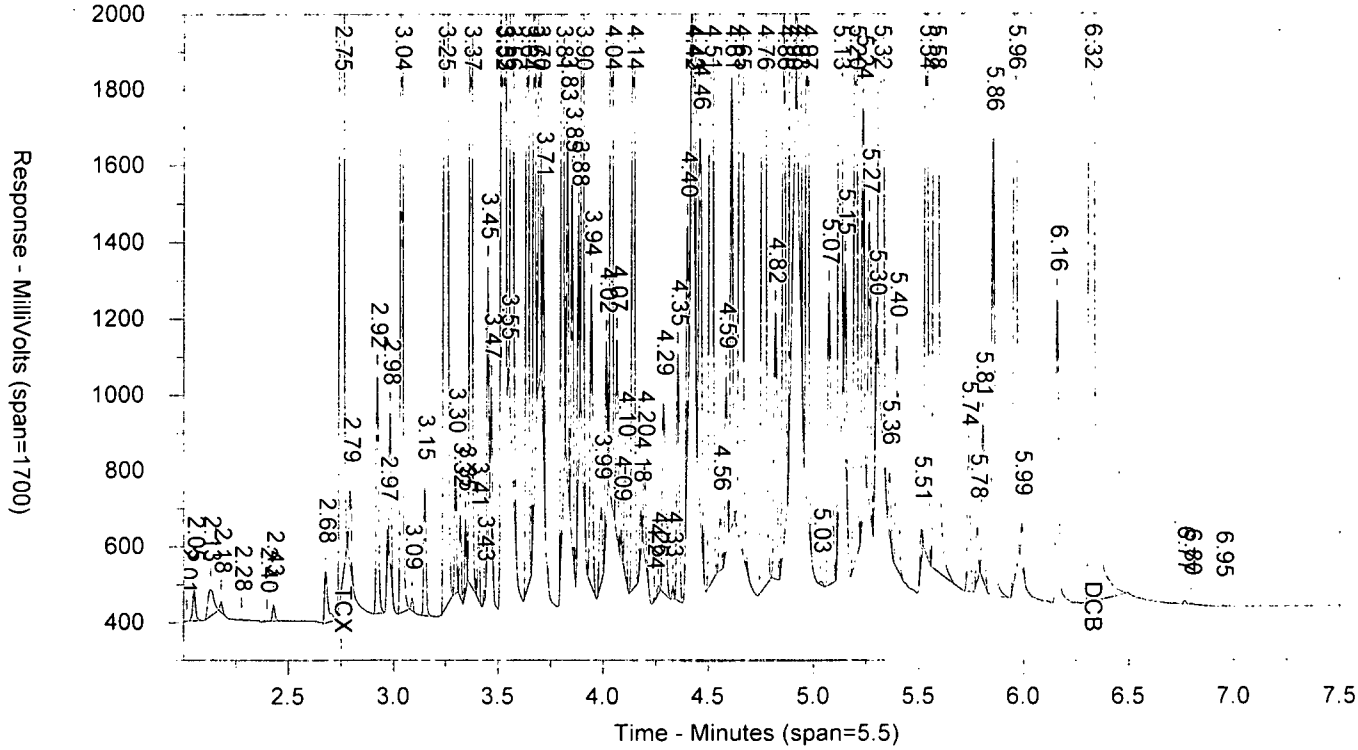

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 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: 07PCBS17292001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		2484	2792
1.672		10486	80204
1.766		2125	1076
1.811		2071	1086
1.955		1921	1318
2.057		1522	1662
2.127		40367	82644
2.182		92355	257123
2.239		35568	88546
2.316		225848	203261
2.411		32357	24466
2.427		87821	69457
2.466		4766	5463
2.52		6774	4321
2.575		14606	13984
2.64		3204	2117
2.664		139930	102238
2.875		41659	31384
2.948		6677	3453
2.995		8261	11087
3.029	TCX	50182250	33214260
3.13		8078	4178
3.181		1978883	1638681
3.238		1918588	1588167
3.286		9501455	6330584
3.362		73718	37884
3.381		1090952	703316
3.42		30592	19488
3.503		9457811	5643844
3.52		5044246	2682883
3.557		1055042	596448
3.572		402254	169858
3.587		577688	287707
3.619		11758980	8333108
3.654		47422	23429
3.672		85457	54448
3.694		592538	402511
3.73		2478627	1416235
3.745		1268243	655720
3.792		7004293	3537335
3.804		12586100	6499756
3.843		14236360	10604020
3.903		11930490	8849435
3.945		816814	578790
3.973		7885107	5562418
4.001		5710105	5169808
4.024		1358356	700428
4.101		8789884	6088853
4.127		3127719	2046393
4.158		3443597	2414925
4.193		9091747	9196027
4.235		2659808	2076605
4.282		373493	320442

RT A	Compound A	Height A	Area A
4.321		528905	369953
4.358		8517108	6112167
4.378		2078821	1160801
4.402		2284143	1691851
4.472		1074785	920941
4.517		8568361	7715024
4.551		353238	245690
4.592		2597	1144
4.615		162737	135567
4.657		2399492	2316953
4.713		1084055	727775
4.729		1793729	1123876
4.775		5089394	4345108
4.823		7646756	8326303
4.862		2093496	1496749
4.902		18195280	16280940
4.946		424339	377128
4.991		2705294	2755517
5.026		524418	373433
5.051		2669109	2285474
5.104		19557750	24172630
5.155		4129038	3566736
5.196		10561510	10745170
5.238		242987	145423
5.274		2014285	2384731
5.31		25672700	22154670
5.333		1121971	543056
5.351		521846	232413
5.375		12433430	10577860
5.418		7507550	6976960
5.514		2151784	1805325
5.538		12912830	10812970
5.596		6457238	5558474
5.634		3503752	3288776
5.675		889538	876718
5.718		4289958	4156410
5.774		31322890	28069130
5.796		207027	135358
5.979		18210650	16932830
6.033		4999394	8955109
6.167		720933	658300
6.229		371743	319726
6.249		2551328	2154243
6.404		6391509	6093862
6.448		345854	304626
6.603		1736614	1660478
6.75	DCB	20513960	20817770
6.918		3023	1325
7.148		1602	1023
7.199		1196	557
7.223		15220	16554
7.439		2244	2085
7.564		1330	879
7.816		1972	1394
7.901		1221	626
7.97		1238	679
8.138		912	143
8.167		1824	774
8.31		1238	734
8.398		1371	252
8.488		1290	614
8.579		1518	507
8.626		1683	890

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 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, 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: 07PCBS17292001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.624		2595	9743
1.79		2806	2802
1.919		5424	20625
2.007		2126	4670
2.05		102918	98707
2.129		29662	57186
2.179		41460	34318
2.271		3342	3572
2.314		2085	1395
2.401		2519	4909
2.429		83097	73223
2.659		4652	3562
2.677		58487	49279
2.706		15251	10756
2.749	TCX	25325880	17660040
2.792		356903	281825
2.922		1171470	921280
2.971		64084	35046
2.983		774726	478196
3.036		4840816	3426744
3.088		46487	27355
3.149		623270	473319
3.246		5789852	6653383
3.298		661909	432735
3.32		384266	240725
3.346		347790	206993
3.369		5886610	4426768
3.406		339359	220526
3.434		25422	11733
3.452		1326558	759930
3.468		689449	356843
3.519		1873062	1301896
3.528		6544169	3164965
3.562		6291617	5092220
3.638		6641302	4645344
3.671		4211936	2778058
3.696		4890000	2971724
3.714		1116595	573798
3.805		5326301	3944101
3.83		1819169	1042542
3.851		1823927	1170587
3.883		1278835	725563
3.901		3945267	2670056
3.944		1520346	1259481
3.992		423028	408994
4.017		907378	583818
4.039		5948585	4285922
4.066		1031291	639710
4.086		141882	67693
4.105		566782	376703
4.142		4703833	3719165
4.179		242370	164147
4.196		435915	304795
4.242		18742	10302

4.263		39305	30557
4.286		1070745	1224455
4.331		69648	39548
4.355		1278207	1013240
4.401		970196	609787
4.42		550138	343742
4.433		3215188	1999952
4.461		1818718	1902983
4.514		11386790	9739925
4.558		301719	250992
4.586		858457	631449
4.611		2260420	1693714
4.633		22649	7091
4.656		13166750	11175570
4.764		11539020	11587240
4.82		1380433	1264754
4.86		2657332	2555495
4.897		13401620	12106090
4.931		6221433	4955813
4.971		4416137	3721213
5.035		20477	20520
5.075		1532588	1671986
5.127		8822566	7332621
5.151		852879	541583
5.202		4368123	4117647
5.238		1970913	1598911
5.266		1378518	1255254
5.299		336958	199566
5.32		20787940	18913350
5.361		322775	235231
5.396		974414	874919
5.513		142485	91679
5.536		3825940	3451240
5.582		14183360	16096810
5.738		517475	485424
5.78		277521	212953
5.806		574783	492653
5.855		2272771	2170330
5.959		4968268	4553991
5.991		199789	143934
6.16		1406768	1405481
6.32	DCB	17717280	17567250
6.494		8665	6978
6.769		11269	10725
6.944		2886	3960
7.917		1990	2256
8.627		2195	3181

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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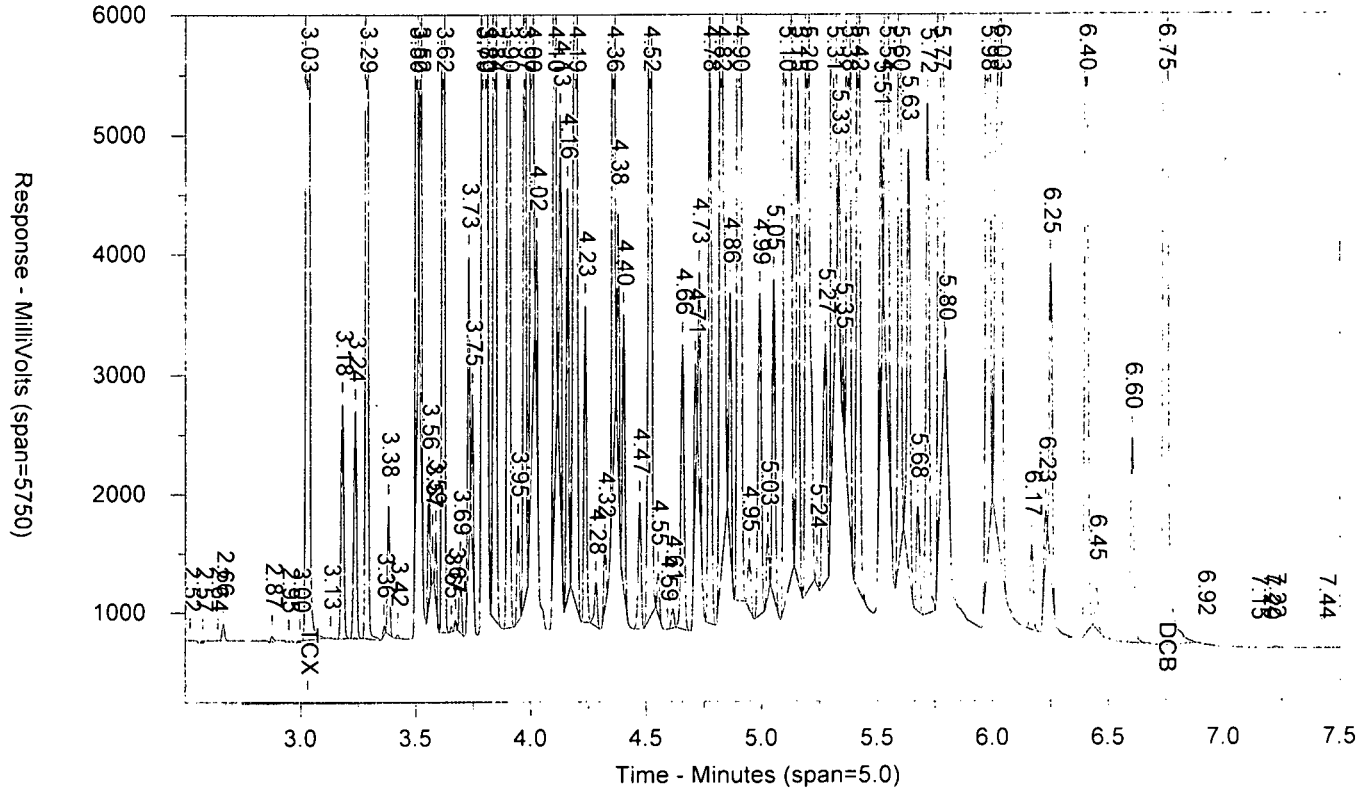

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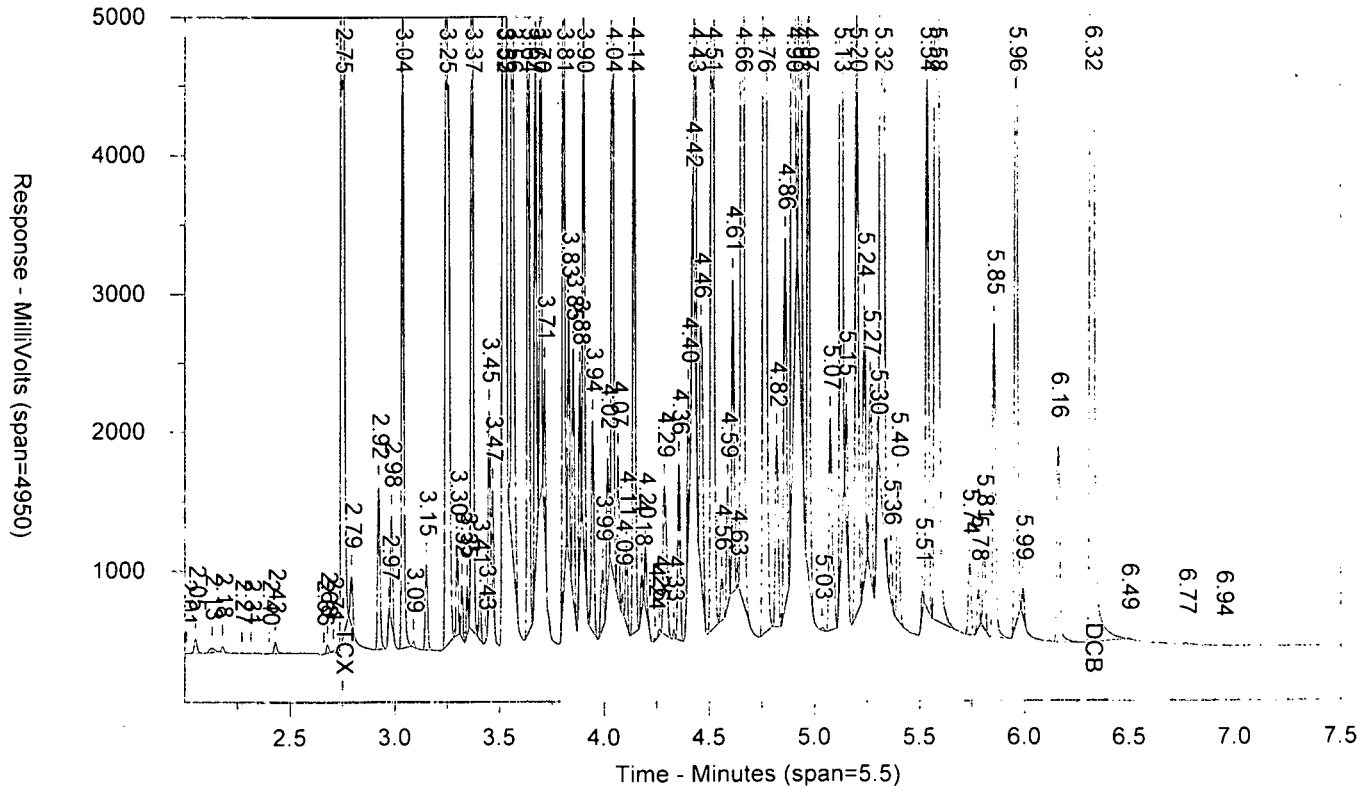

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	50182250	79.033	TCX	2.749	25325880	83.433	TCX
6.75	20513960	80.376	DCB	6.32	17717280	76.785	DCB

Files:
Area File: 07PCBS17292001.0012.RAW
Area File: 07PCBS17292001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:47:40 PM
File Reported On: 10/22/2017 at 1:34:25 PM

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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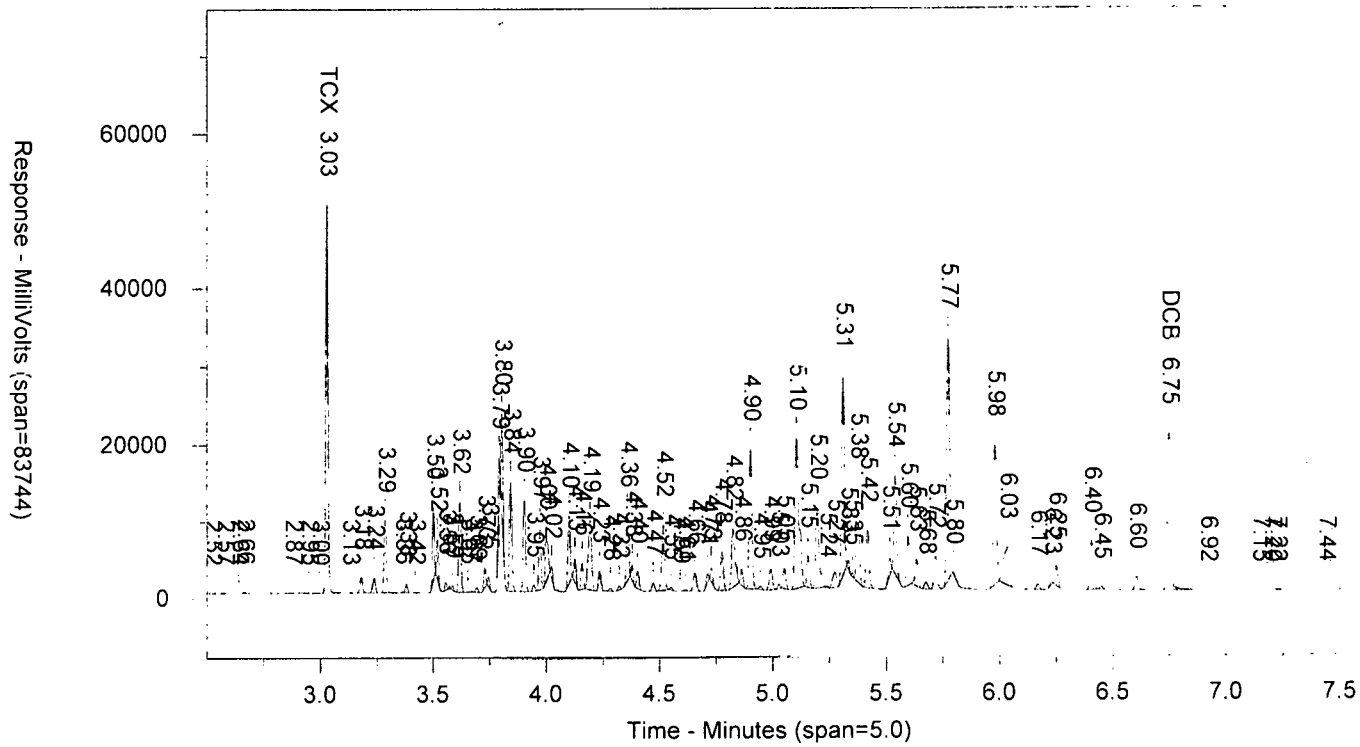

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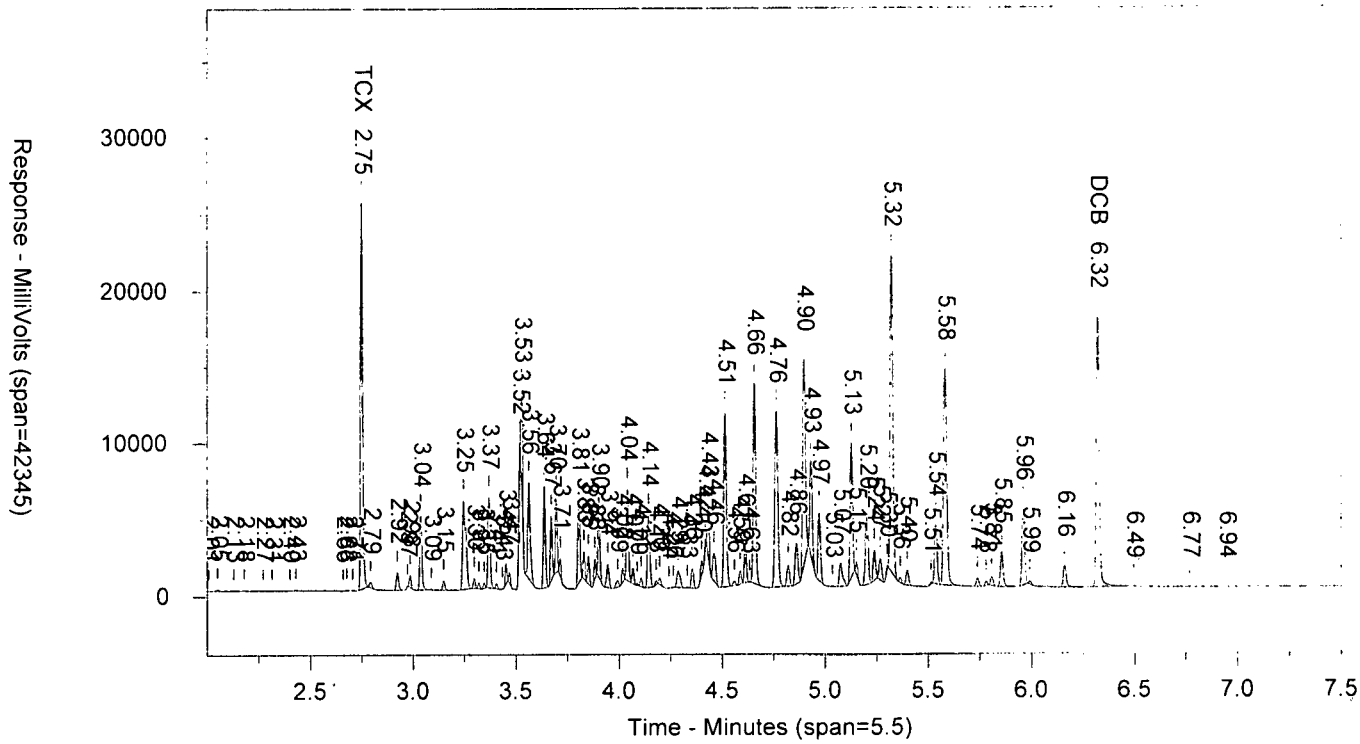

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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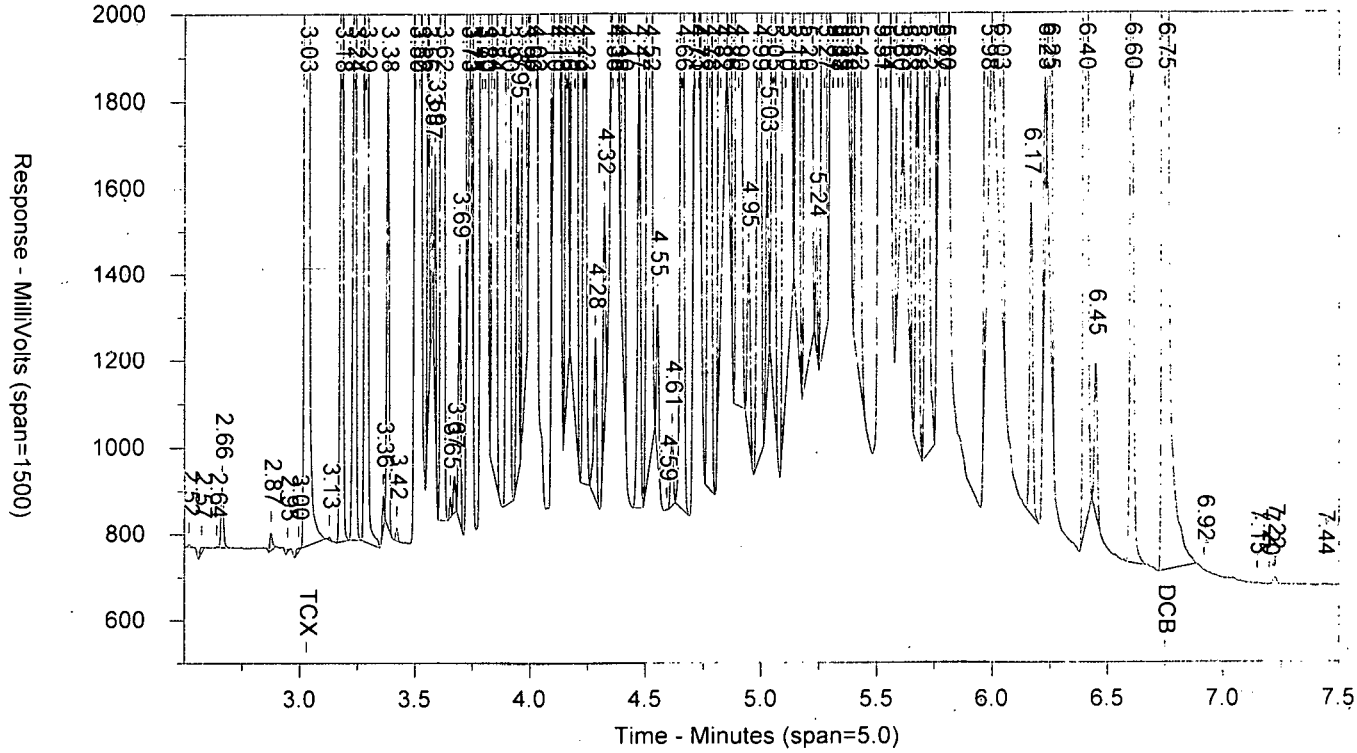

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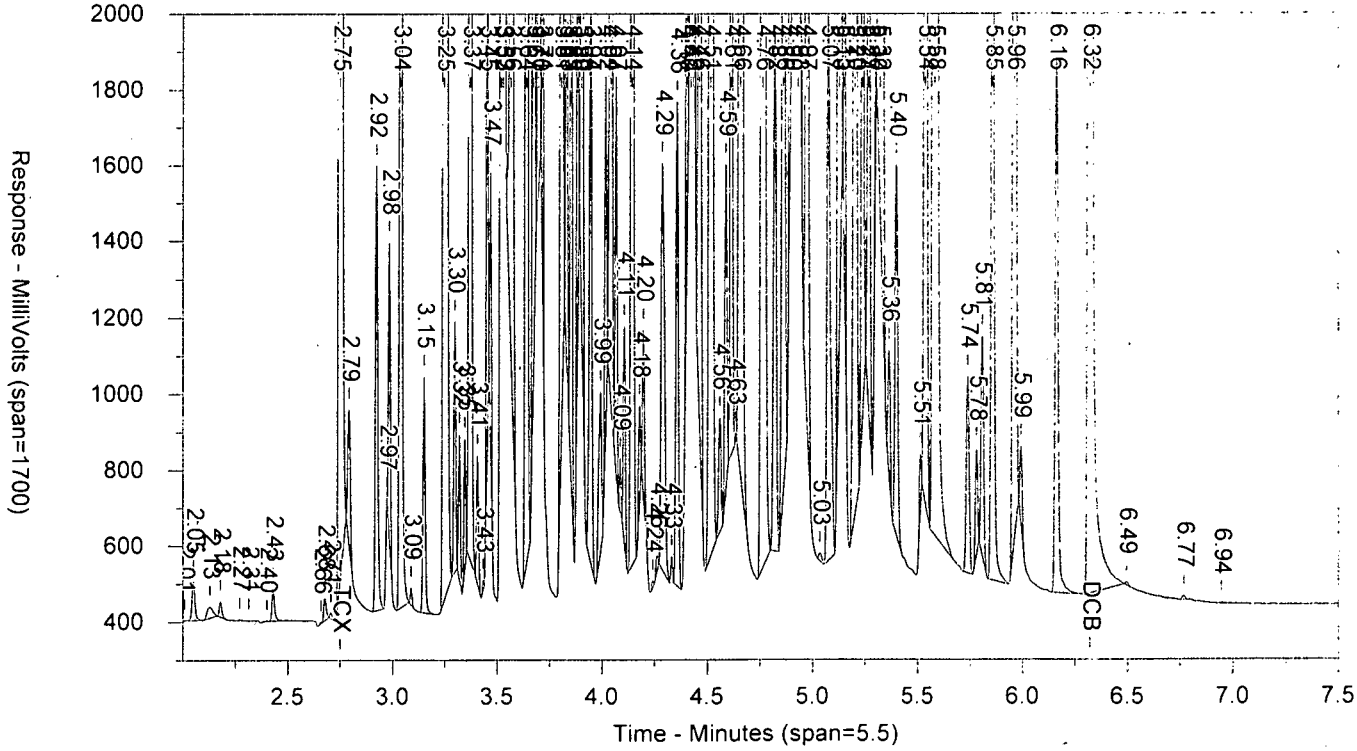

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 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: 07PCBS17292001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.68		8535	101430
2.046		2530	2017
2.14		24759	87817
2.184		116792	233257
2.317		6093	5200
2.411		29730	19260
2.584		10681	20080
2.638		1944	873
2.875		99642	98158
2.961		16969	17563
3.002		7707	17509
3.029	TCX	1185162	774061
3.182		25957	20801
3.231		17130	16824
3.286		64081	44144
3.38		20958	35565
3.503		156644	94595
3.52		53760	27658
3.557		9061	4861
3.572		8846	4721
3.602		5902	3076
3.619		142694	95578
3.695		9677	4729
3.73		27054	16302
3.745		9475	4799
3.792		129106	70954
3.803		115615	60046
3.842		203039	160707
3.902		176774	133874
3.944		25494	17709
3.972		296164	214347
4.001		183072	157922
4.023		48891	26166
4.053		4436	4523
4.101		322199	237101
4.126		93721	61228
4.157		115366	83870
4.193		269483	253801
4.235		88367	70451
4.28		11583	10376
4.322		24376	20262
4.357		234350	162665
4.377		253265	168335
4.402		303194	224002
4.472		26633	24320
4.511		255277	222632
4.532		66676	35327
4.552		54235	33119
4.591		3213	1887
4.617		13286	9684
4.659		76635	69255
4.712		121353	107773
4.745		61618	47170

RT A	Compound A	Height A	Area A
4.775		187246	162750
4.823		4614	3152
4.861		67940	60063
4.902		17480	18938
4.95		16974	14744
4.992		117120	106859
5.025		7720	6492
5.062		5546	5509
5.107		4618	3003
5.122		11545	8024
5.193		116864	110928
5.239		3772	2293
5.266		14996	15786
5.311		33481	30551
5.333		1842	899
5.351		3189	1105
5.375		5453	3430
5.418		2628	1886
5.479		4601	8302
5.517		8735	7919
5.538		4216	2397
5.592		12692	15319
5.673		8385	7913
5.716		6905	6087
5.77		11091	8212
5.798		17992	20459
5.978		8107	6242
6.02		2088	2883
6.106		2576	1770
6.167		11676	11670
6.232		12622	11120
6.405		3614	3998
6.547		1260	462
6.603		7661	7272
6.69		1956	1364
6.749	DCB	493284	531262
6.88		1417	1693
6.968		1511	626
7.049		5980	12801
7.104		1215	357
7.269		1513	1377
7.371		880	250
7.465		1081	412
7.528		1690	1158
7.825		1779	760
7.841		1208	396
7.888		1011	375
7.938		953	677
8.169		1265	432
8.298		1104	678
8.406		1692	2718
8.46		1062	560
8.576		1260	1504
8.657		1344	655

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 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, 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: 07PCBS17292001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		1579	860
1.608		2994	7138
1.748		978	2573
1.895		3207	7911
2.042		21985	37767
2.128		66316	185905
2.401		3313	7392
2.433		1546	858
2.61		2352	5803
2.677		135342	152903
2.749	TCX	560135	404364
2.922		17715	14258
2.97		5911	3099
3.037		39604	26950
3.089		3159	5088
3.124		1639	858
3.149		7156	6751
3.246		111066	116064
3.298		6559	3692
3.322		26830	22174
3.37		89603	70199
3.406		13447	8757
3.453		15186	8559
3.469		6409	3275
3.519		56421	31356
3.528		60384	28615
3.549		10242	3966
3.564		90902	67161
3.639		112128	81150
3.672		185910	125008
3.696		160307	99204
3.715		43089	22386
3.806		217618	163429
3.83		63086	37892
3.852		72914	48324
3.884		32975	18852
3.902		133190	92573
3.945		62148	48486
3.993		10954	9377
4.017		100051	68127
4.04		263190	190511
4.066		164372	115422
4.105		12445	7137
4.143		87359	69044
4.181		121588	111659
4.211		55161	34321
4.258		11891	13618
4.295		52530	46384
4.356		82537	69990
4.39		44770	33311
4.419		130596	118023
4.517		54730	60584
4.553		10589	8509
4.588		79640	73061

4.632		3609	2468
4.656		12510	9684
4.683		5059	4191
4.762		14076	12170
4.816		68748	63626
4.87		7180	7857
4.898		22010	27478
5.126		4351	3157
5.152		6612	5612
5.274		5799	4712
5.321		8506	8062
5.396		9472	8690
5.537		2788	1885
5.582		7132	7526
5.739		10495	11078
5.806		13616	13100
5.856		5255	5549
5.96		3287	3298
6.159		6938	6436
6.32	DCB	481769	485128
6.796		3149	4472
7.977		1393	2079
8.635		5423	22474

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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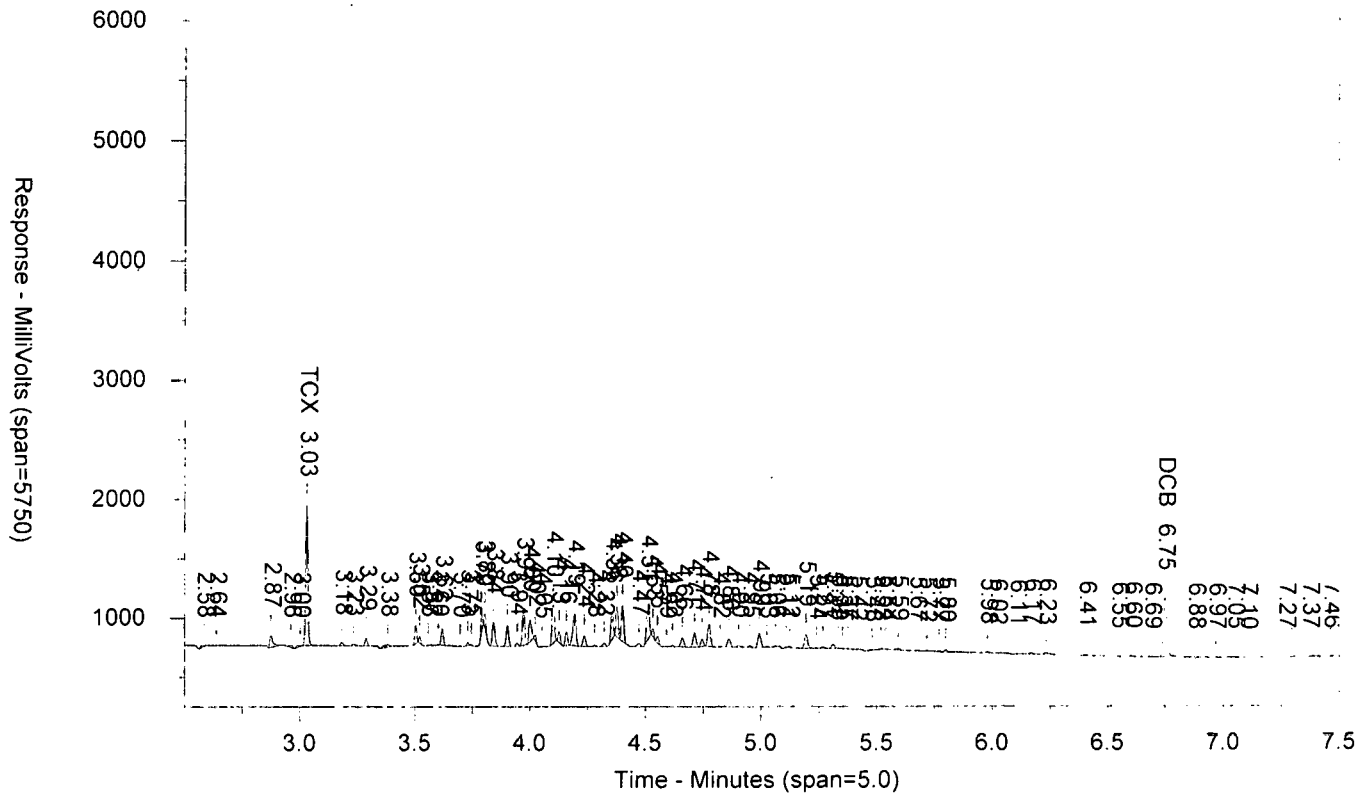

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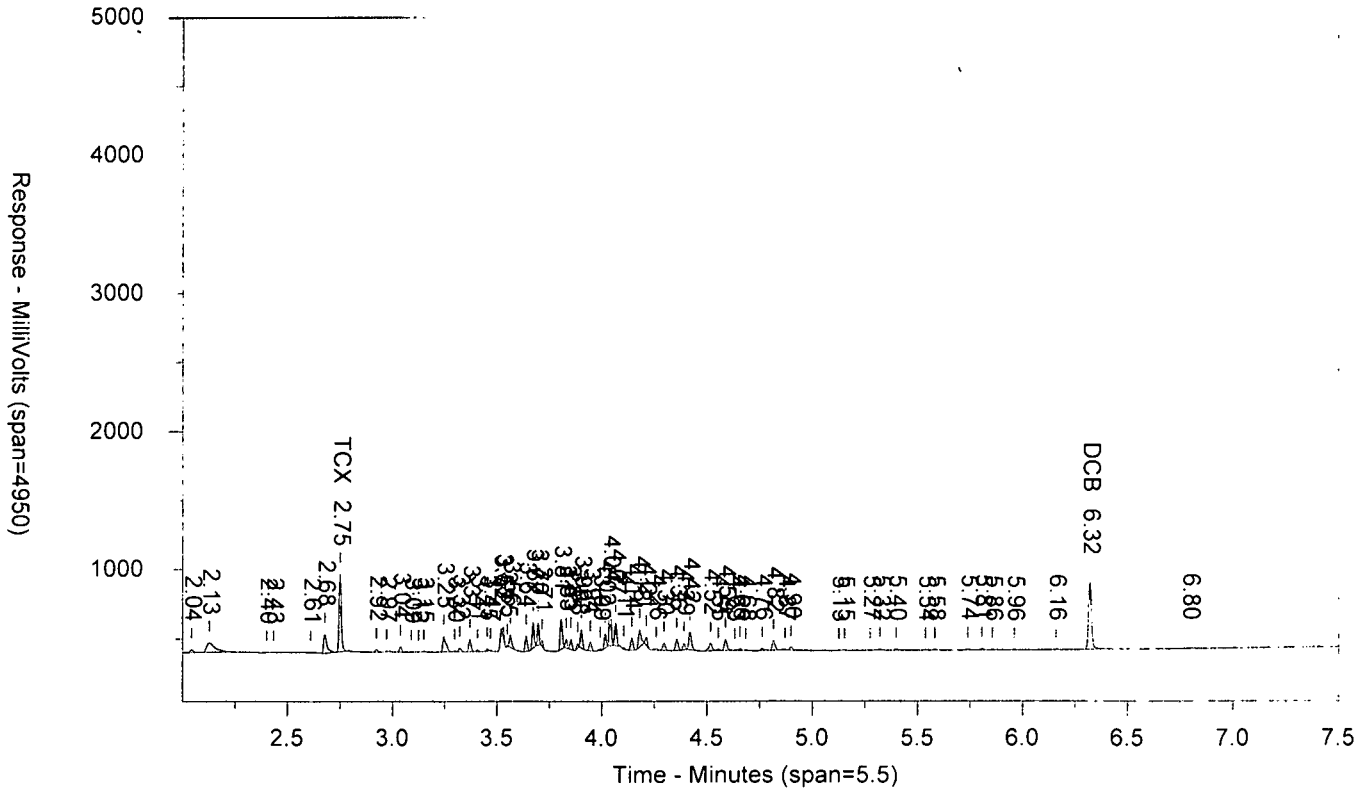

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	1185162	1.867	TCX	2.749	560135	1.845	TCX
6.749	493284	1.933	DCB	6.32	481769	2.088	DCB

Files:
Area File: 07PCBS17292001.0013.RAW
Area File: 07PCBS17292001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:59:12 PM
File Reported On: 10/22/2017 at 1:34:34 PM

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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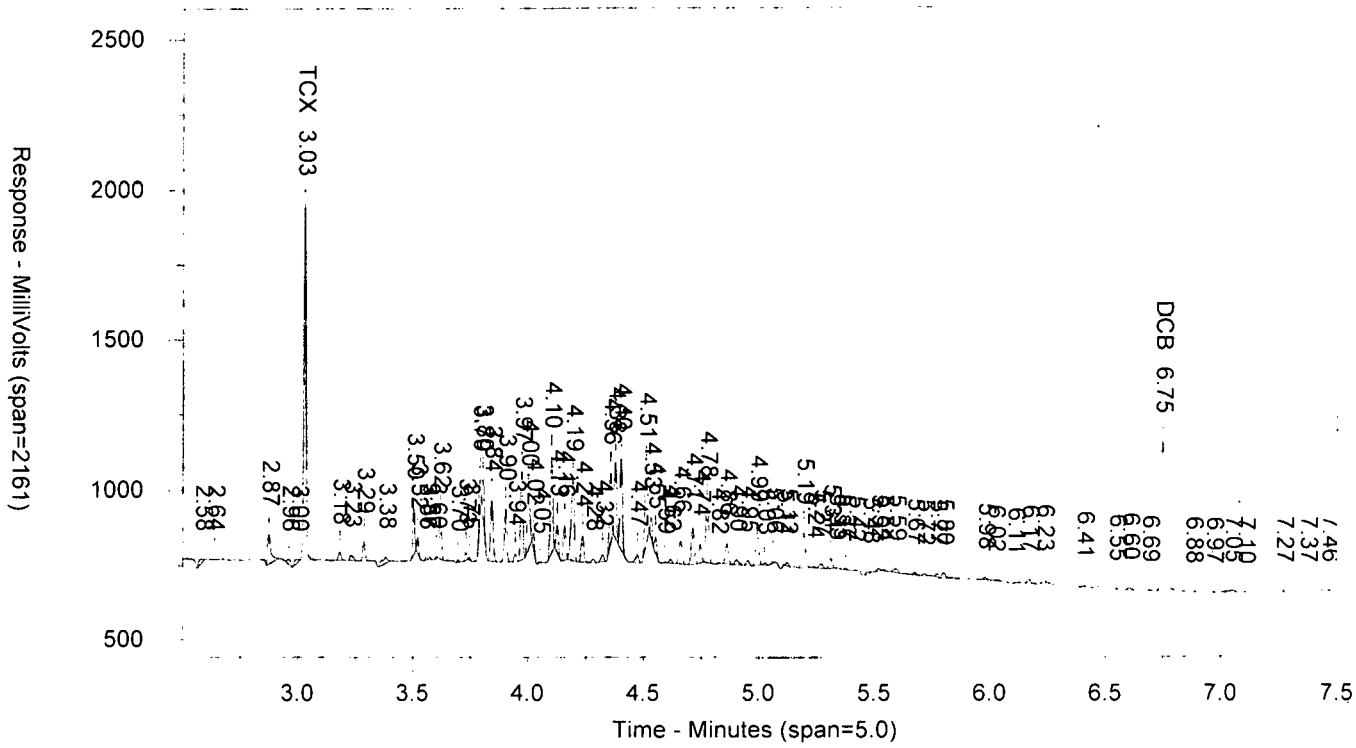

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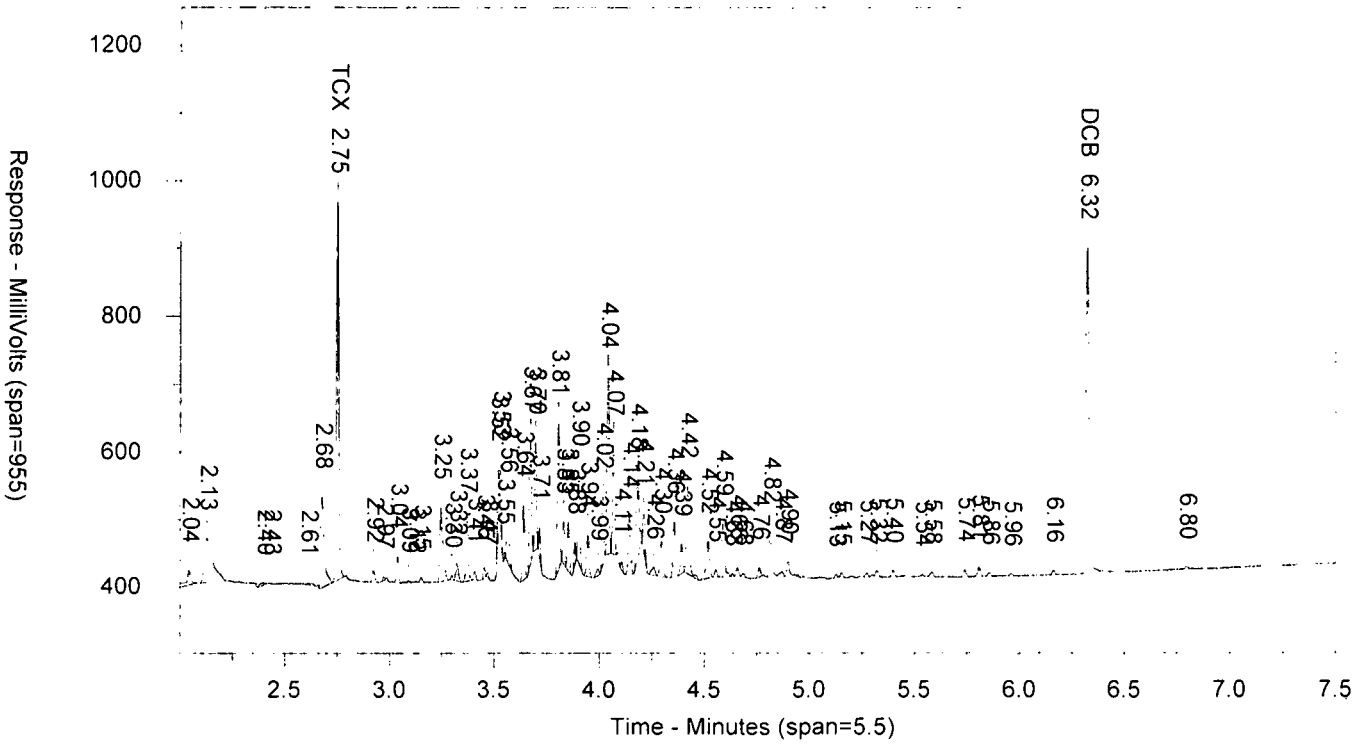

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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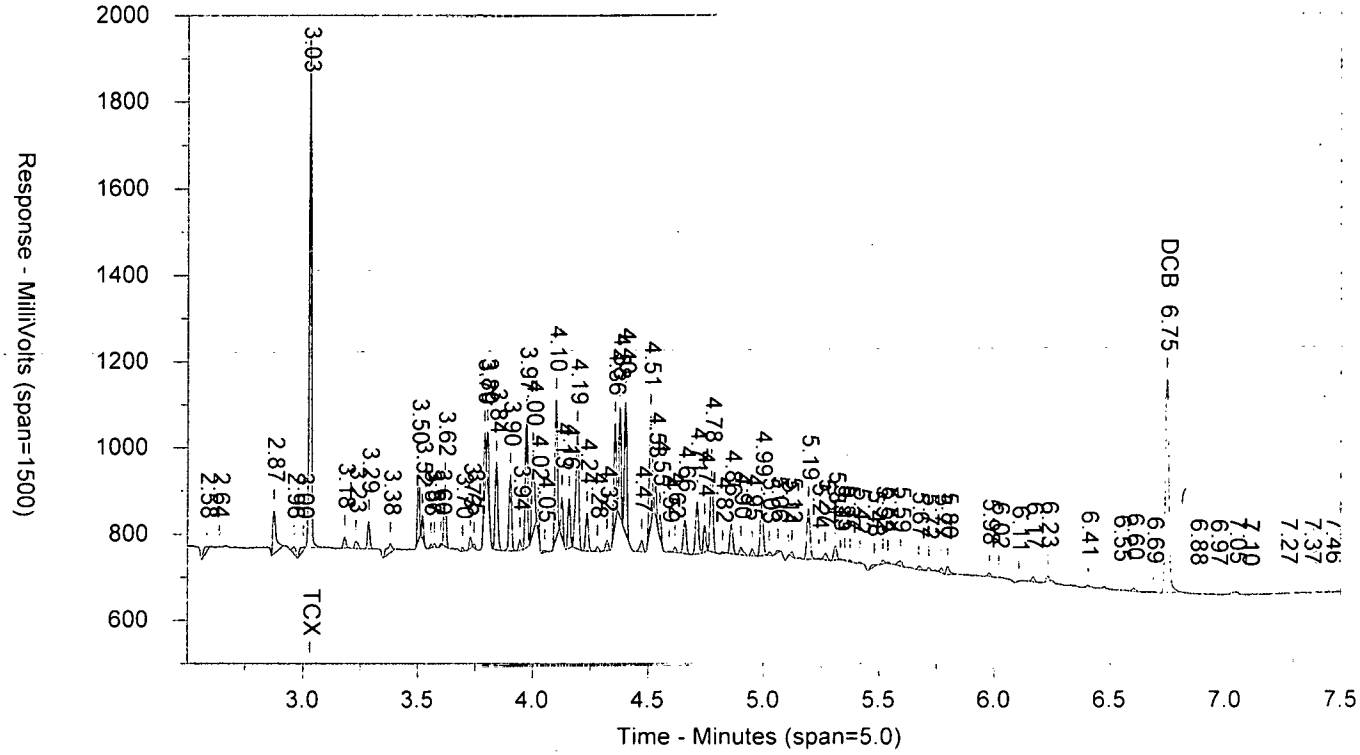

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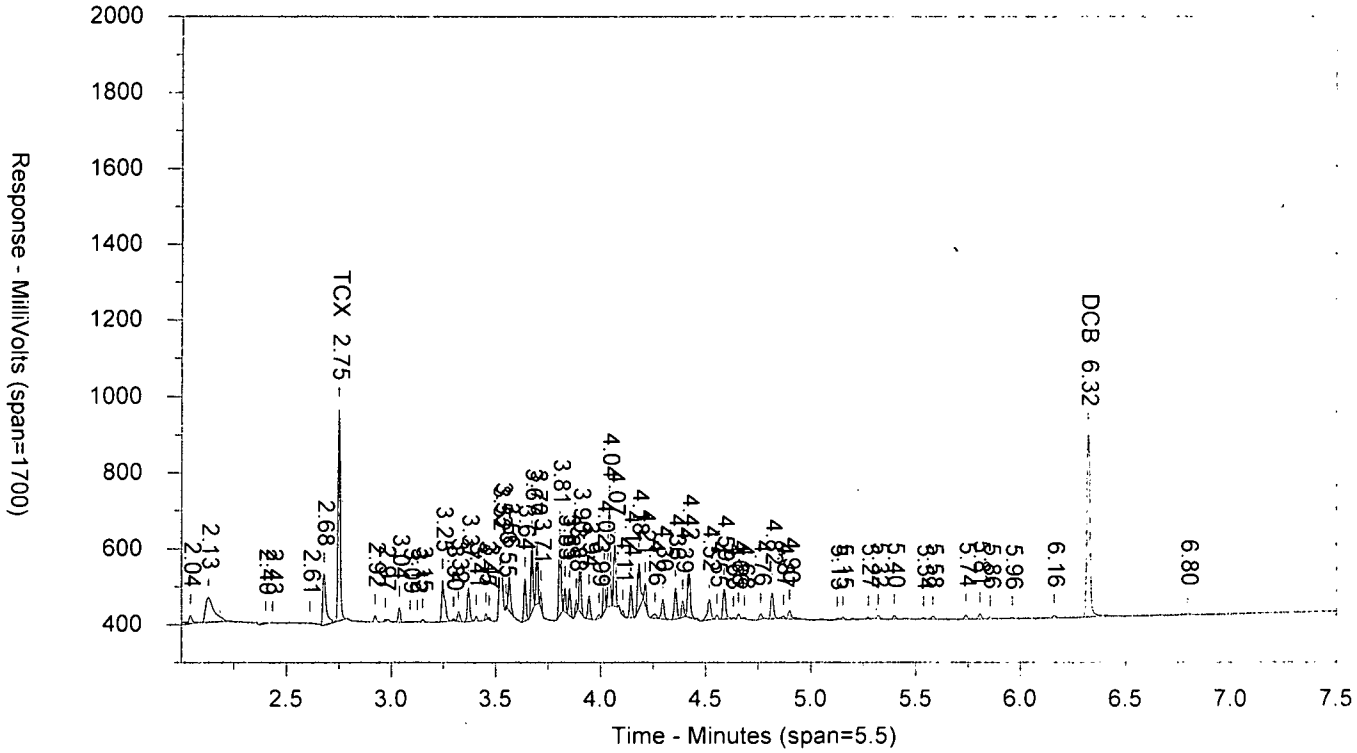

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 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: 07PCBS17292001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		1737	1286
1.682		30912	193077
1.935		1597	759
2.132		50538	171069
2.185		110191	304669
2.237		36228	78171
2.315		15763	15239
2.41		159786	107958
2.469		3397	3259
2.551		50266	37437
2.588		38439	82879
2.622		22617	23990
2.666		6175	4804
2.696		3908	2693
2.747		3255	1741
2.874		54619	47387
2.957		15277	20277
2.997		10941	18313
3.028	TCX	2442913	1598684
3.116		9325	5947
3.181		47295	37249
3.231		35157	33000
3.285		115918	82514
3.362		12007	9990
3.38		20524	13891
3.502		299335	174667
3.519		95066	50258
3.556		18160	10189
3.572		18707	11051
3.618		268908	193456
3.674		6221	3904
3.694		20323	12120
3.729		46632	28592
3.745		16567	8369
3.791		222324	122490
3.803		218036	110348
3.842		389136	289973
3.88		1017	169
3.901		314828	243433
3.945		48506	33979
3.972		541109	396542
4		340000	291226
4.023		91206	48641
4.049		7677	7828
4.1		593000	439857
4.125		175153	114663
4.158		211635	155726
4.193		492525	468118
4.234		166495	130670
4.281		19459	16513
4.322		47480	38201
4.356		423660	292767
4.376		471337	303884

RT A	Compound A	Height A	Area A
4.401		550653	424027
4.471		50081	47251
4.511		471600	405933
4.531		133335	70185
4.551		100078	61339
4.591		7215	4350
4.616		26184	19562
4.659		141246	127355
4.711		221756	189674
4.744		114112	84660
4.775		346301	300826
4.822		7068	5241
4.837		1832	606
4.86		123090	111043
4.901		31724	37311
4.95		29990	26915
4.992		218420	197948
5.027		17892	13966
5.073		27341	43319
5.106		7177	5242
5.121		17910	12794
5.154		4319	2669
5.192		212284	201228
5.241		4068	2896
5.267		28081	28350
5.31		54764	49358
5.332		3345	1610
5.374		8364	6575
5.417		10732	20585
5.478		2371	6039
5.517		15075	11717
5.536		5993	3782
5.592		12919	14789
5.672		16842	16074
5.715		11283	10037
5.771		14786	11112
5.798		33376	29499
5.978		14588	13921
6.021		1720	701
6.102		2170	945
6.165		24050	24291
6.23		35341	44128
6.403		6353	5678
6.47		2850	2003
6.602		15591	15602
6.748	DCB	1002138	1063429
6.938		1805	1146
7.038		2322	1751
7.161		1137	651
7.325		1069	711
7.442		1380	1578
7.646		1294	383
7.783		1283	777
7.84		4350	5573
8.078		1862	1509
8.169		1941	627
8.332		1590	869
8.475		1780	612
8.652		1086	1261

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 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, 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: 07PCBS17292001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.626		7441	27175
1.724		2643	6000
1.935		8586	41855
2.042		93472	102739
2.128		51121	213774
2.242		14997	37153
2.279		8945	7427
2.399		5234	11446
2.639		3491	3593
2.677		81286	91562
2.749	TCX	1177472	828454
2.837		6821	5305
2.922		32111	24864
2.97		10902	5682
3.036		68641	46209
3.089		2767	2047
3.149		12628	9716
3.245		195629	207045
3.298		12073	7275
3.321		23684	18294
3.369		156045	121625
3.406		22955	15306
3.432		2253	1225
3.452		26536	15220
3.468		11073	5454
3.518		100150	56987
3.528		109238	50803
3.548		16454	6381
3.563		160098	120661
3.638		196333	145649
3.671		337481	225123
3.695		293998	179640
3.714		75423	41122
3.805		398013	294182
3.829		114783	67635
3.851		127013	87847
3.883		59527	31900
3.9		240948	166709
3.945		108224	89121
3.993		18751	16871
4.016		187357	124978
4.04		491090	347703
4.065		313663	213416
4.105		21794	12652
4.143		156924	126431
4.18		218580	202001
4.21		98380	62211
4.259		19056	18813
4.295		94993	83342
4.355		150731	128171
4.389		83027	62496
4.418		230485	197432
4.517		98621	107248
4.552		20372	16481

4.586		144135	134394
4.633		6529	4187
4.656		18939	13475
4.684		9220	7583
4.762		25954	27747
4.816		132717	117883
4.87		13606	13843
4.898		36037	32980
4.97		2501	2090
5.127		6825	5412
5.153		11327	9904
5.2		4115	4015
5.237		1888	1119
5.274		10019	8399
5.3		3026	2185
5.321		12349	10568
5.397		20478	20506
5.535		5181	4883
5.583		10808	14217
5.738		20546	20441
5.806		29020	25913
5.854		8622	8537
5.958		5046	5157
6.087		1055	974
6.16		14479	13437
6.32	DCB	928553	963626
6.796		3372	3368
7.629		3993	6815
8.129		1557	1203
8.633		3846	16059

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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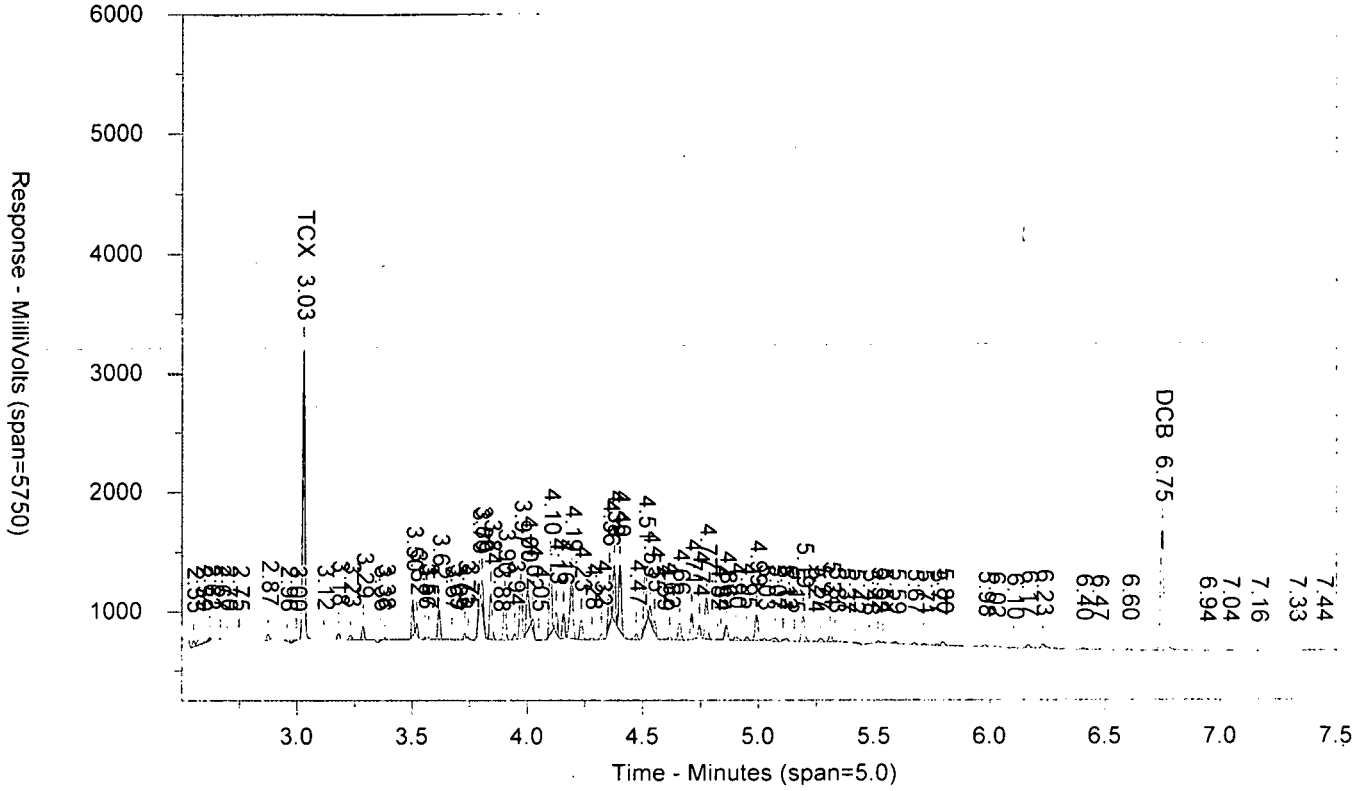

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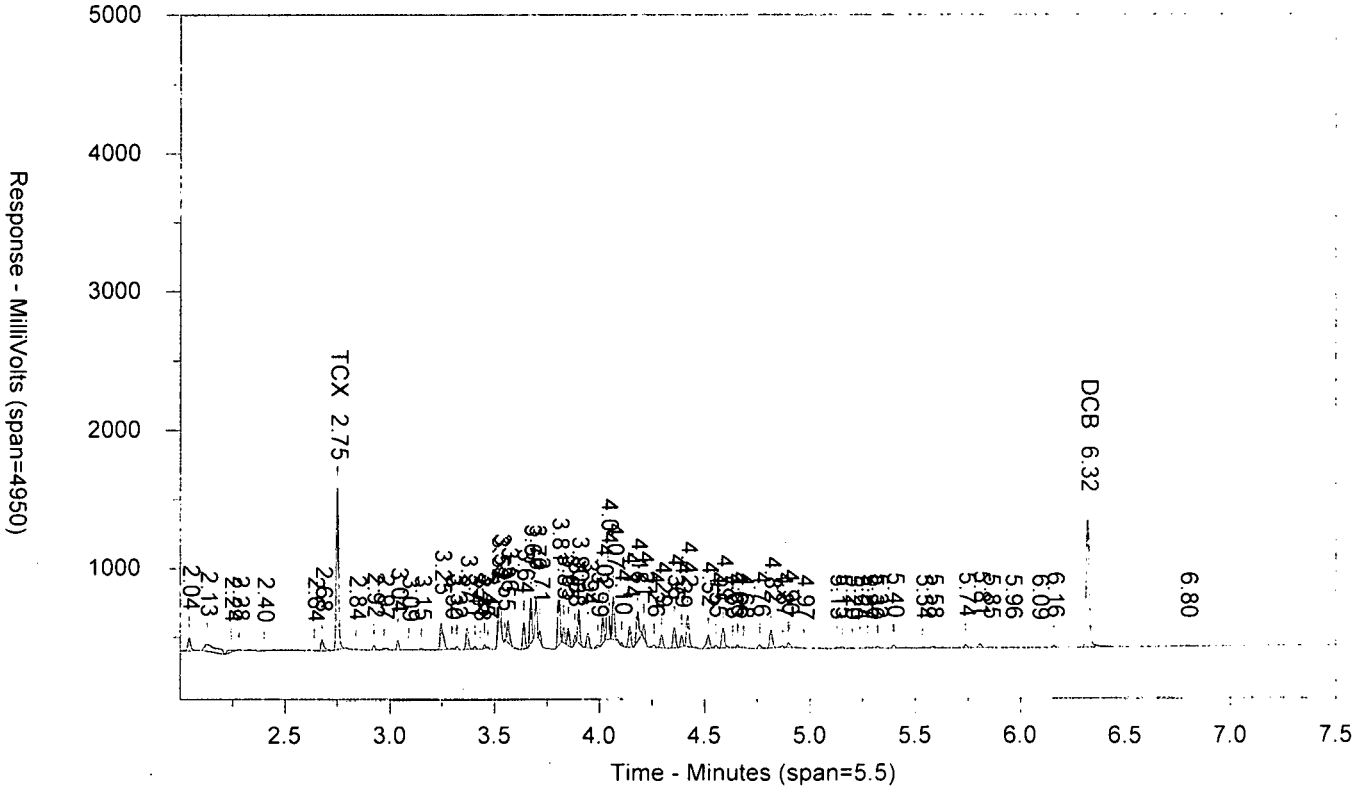

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	2442913	3.847	TCX	2.749	1177472	3.879	TCX
6.748	1002138	3.926	DCB	6.32	928553	4.024	DCB

Files:
Area File: 07PCBS17292001.0014.RAW
Area File: 07PCBS17292001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:10:35 PM
File Reported On: 10/22/2017 at 1:34:47 PM

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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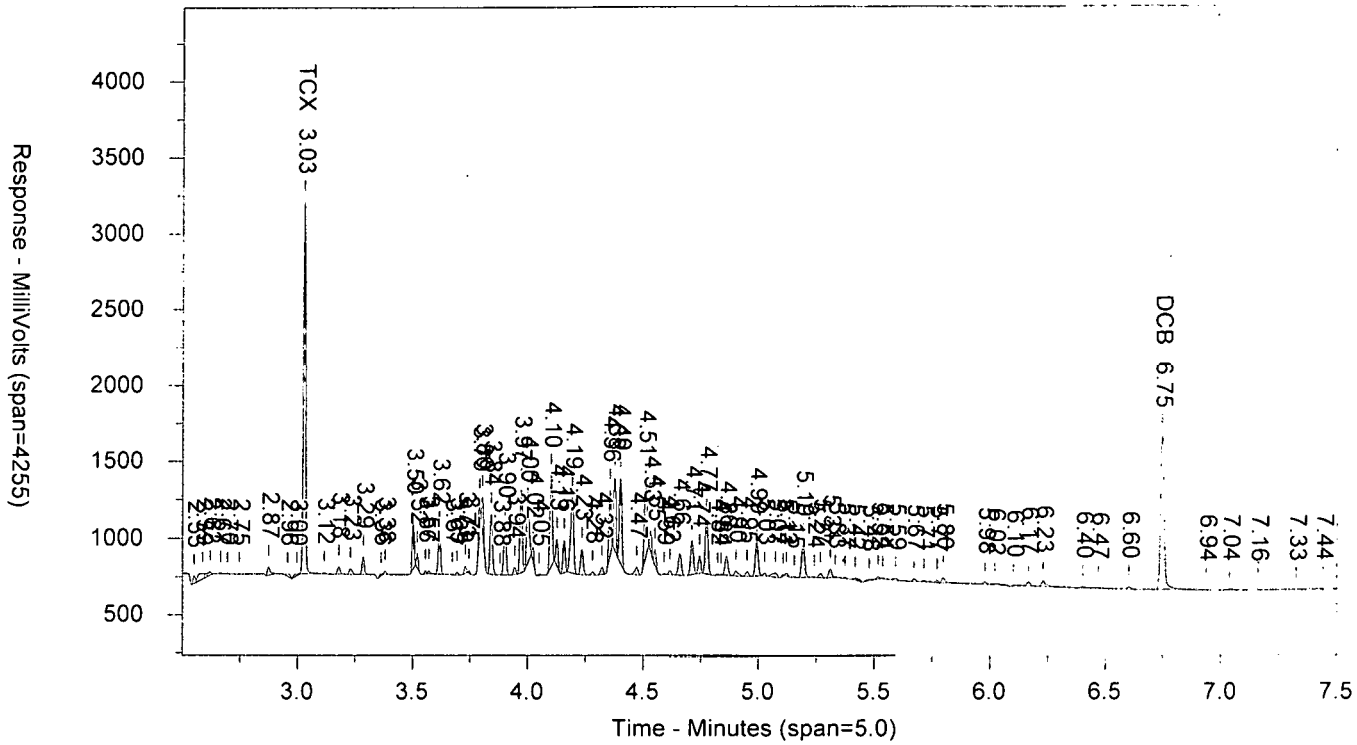

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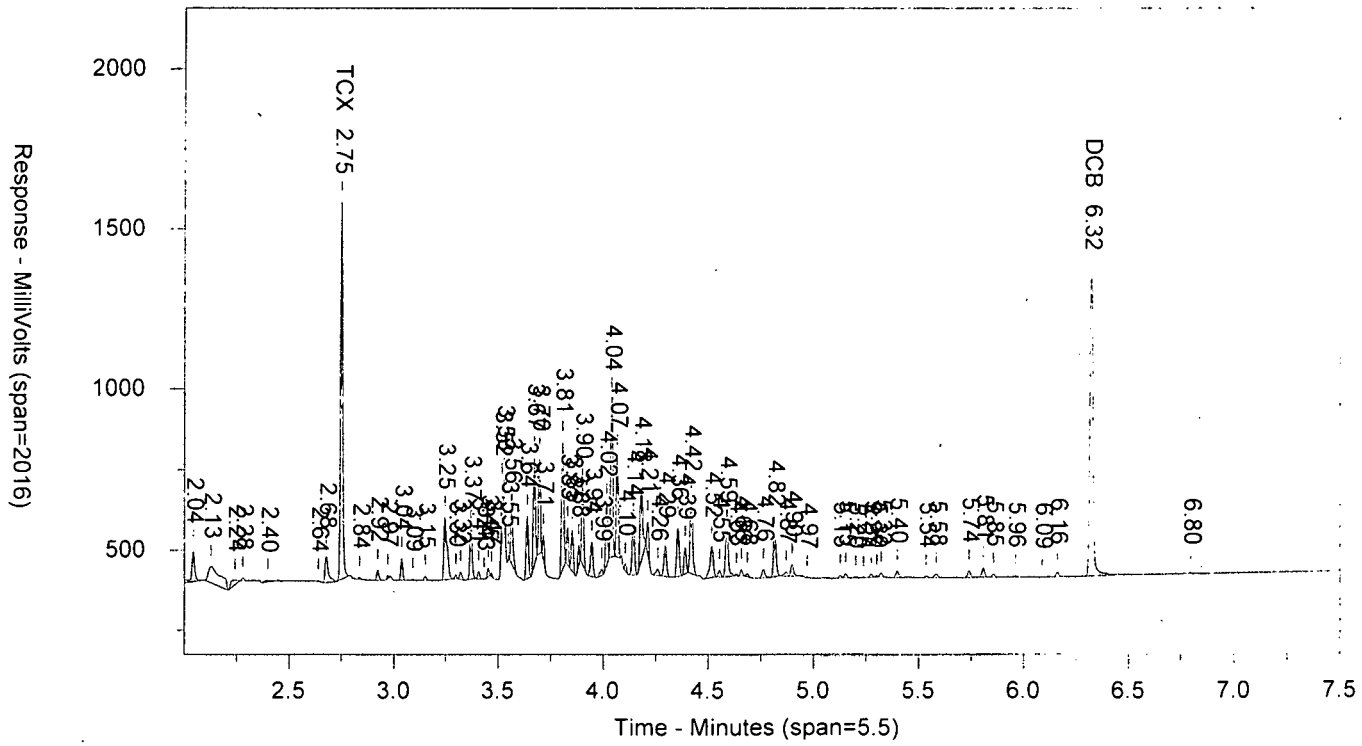

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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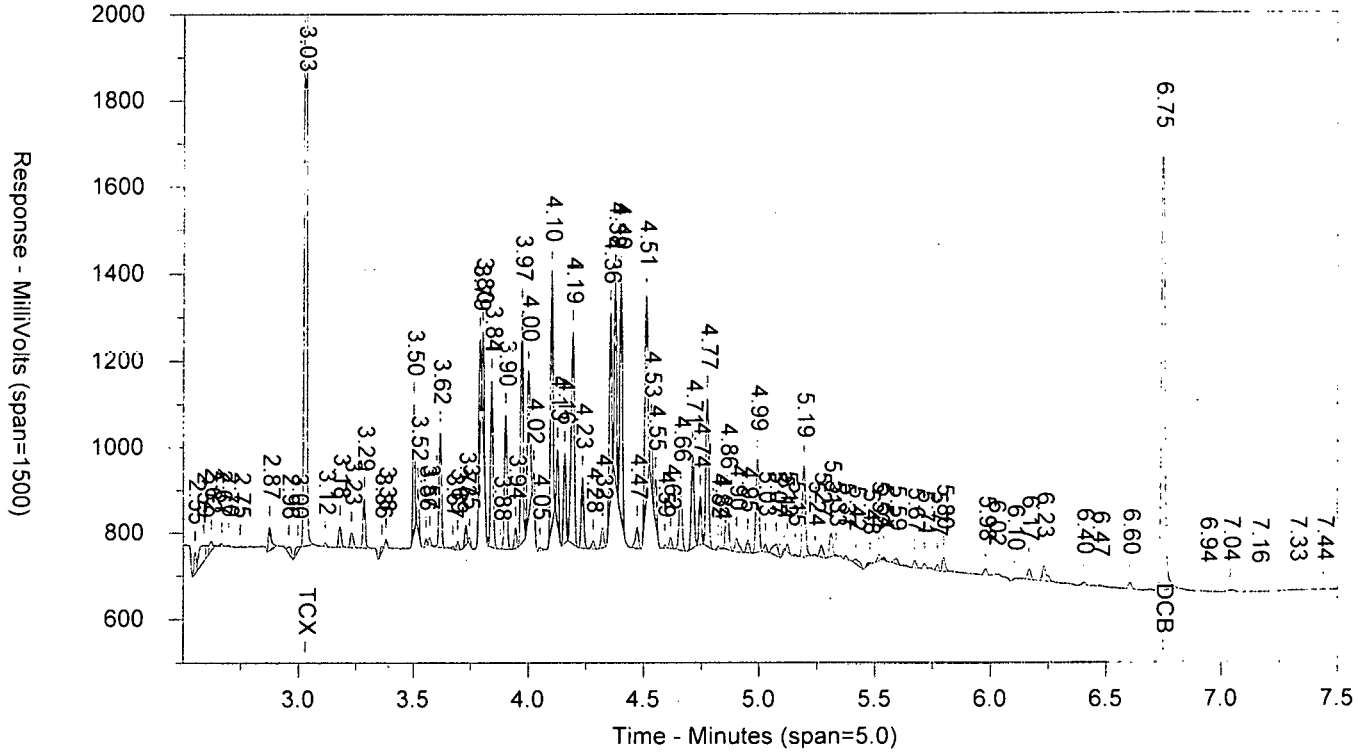

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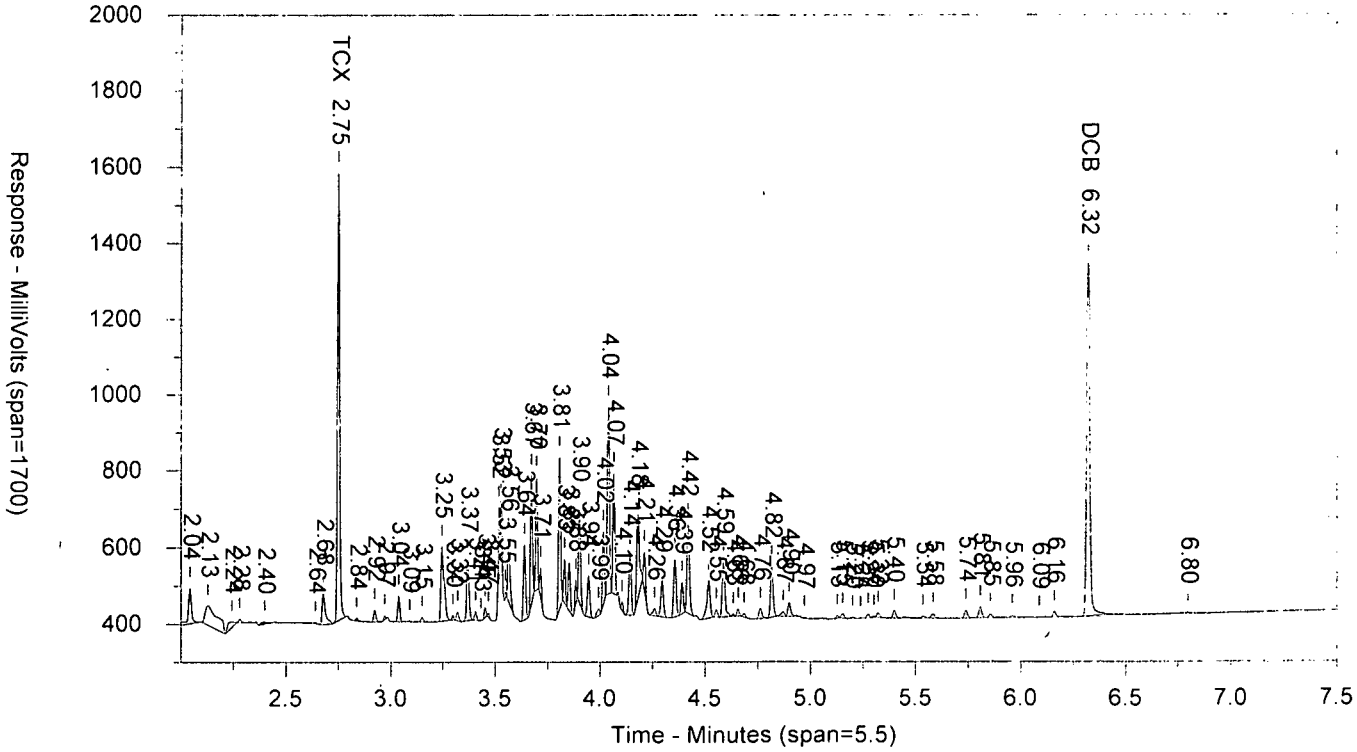

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 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: 07PCBS17292001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		1926	1576
1.674		12561	105028
1.955		1961	905
2.127		48273	149192
2.183		188447	488309
2.235		59131	152370
2.316		79755	109638
2.41		38431	32250
2.427		30310	27021
2.47		5150	4032
2.594		14987	44161
2.663		8577	7316
2.841		1689	1037
2.874		105959	100343
2.959		15630	16857
3.029	TCX	12439250	8206095
3.129		3097	1435
3.181		101556	86092
3.23		153471	122317
3.285		248281	164817
3.362		29178	18801
3.38		39672	23890
3.502		587702	350932
3.519		192903	105534
3.556		34696	19125
3.572		39826	19872
3.6		4875	1955
3.618		558511	383516
3.654		3083	2451
3.673		16996	10486
3.693		64459	40838
3.73		93766	57596
3.745		32095	16100
3.791		506864	266338
3.803		450977	230099
3.842		784493	609611
3.902		646638	495624
3.944		96618	66354
3.972		1103391	803788
4		698820	581049
4.022		192532	99153
4.048		6994	4859
4.1		1228706	901898
4.125		352025	231022
4.157		451457	318297
4.193		1033309	972032
4.234		325881	266921
4.265		2329	793
4.281		36535	26076
4.322		90277	73747
4.357		848781	582175
4.377		1028226	655932
4.401		1189644	882559

RT A	Compound A	Height A	Area A
4.472		94419	94380
4.51		1004455	835608
4.532		268741	142047
4.55		189203	119940
4.593		14177	9464
4.616		53723	40691
4.659		296874	264217
4.712		419425	375205
4.744		220847	168718
4.774		737785	612279
4.822		12528	9479
4.839		2365	582
4.86		266388	229442
4.901		59043	69896
4.95		63122	56127
4.992		442914	397706
5.026		75273	61860
5.073		41929	55745
5.104		24288	15712
5.12		29828	22451
5.156		12553	10613
5.192		428431	412444
5.237		9330	5559
5.268		116716	118667
5.311		104278	95570
5.332		6203	3411
5.35		10262	6339
5.375		16571	13409
5.417		13923	20709
5.478		4593	7261
5.518		30857	23740
5.537		13897	8977
5.592		14784	14374
5.618		3282	1742
5.674		80307	75646
5.714		20277	16885
5.772		25162	17401
5.796		139367	125316
5.977		32295	32355
6.033		13129	21197
6.107		3675	3834
6.167		114960	115781
6.231		161067	207941
6.402		13751	13379
6.472		2725	2493
6.602		69281	68740
6.747	DCB	4828290	5006631
7.039		1556	594
7.159		1805	1305
7.222		1815	1753
7.277		1401	400
7.321		1567	833
7.42		1553	606
7.546		1185	642
7.667		1011	495
7.777		1275	534
8.111		1175	512
8.217		1881	329
8.313		1354	424
8.568		1534	701
8.64		1176	361

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 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, 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: 07PCBS17292001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.662		4179	30129
1.903		4375	11361
2.01		6521	14744
2.049		35522	45639
2.13		73906	153853
2.178		8582	6869
2.396		3080	5704
2.429		5010	5332
2.607		2066	5017
2.676		151901	176721
2.749	TCX	5965669	4391680
2.922		67936	52104
2.97		74393	69259
3.036		142209	98586
3.088		12435	8451
3.149		28463	20556
3.245		382069	410148
3.297		25664	15696
3.321		51119	37760
3.369		315114	244709
3.405		51425	33513
3.433		11677	5548
3.452		55624	31444
3.467		20776	9931
3.518		189911	107762
3.527		227190	103880
3.548		33130	12681
3.562		321620	250314
3.638		390947	287978
3.671		644206	442006
3.696		571169	356058
3.714		151923	82229
3.805		811710	584769
3.829		230418	132458
3.851		257705	173321
3.883		119882	65699
3.9		493334	338428
3.944		217045	177808
3.993		41240	36259
4.016		365733	244664
4.039		979081	697109
4.065		640023	434141
4.085		36922	17899
4.105		46985	27706
4.142		306356	249747
4.18		447685	402048
4.21		222715	133191
4.258		38404	32999
4.294		186214	166720
4.328		5777	3035
4.355		298984	253465
4.389		171409	125033
4.418		462020	390899
4.459		9907	7698

4.517		192053	206828
4.552		41045	32330
4.586		286880	261830
4.632		37983	26728
4.655		33560	22803
4.682		18263	14872
4.762		59064	60042
4.815		261333	243482
4.87		68326	61945
4.898		71950	60105
4.93		4740	2173
4.946		5722	2648
4.969		4542	3442
5.126		15471	11926
5.151		23997	19828
5.197		12550	14831
5.238		3060	2079
5.273		47038	39059
5.298		4781	2627
5.32		23938	19573
5.396		108923	100935
5.515		1959	1517
5.537		12804	11907
5.583		25656	29380
5.738		98348	93355
5.805		135070	126321
5.855		36729	34034
5.959		11230	10377
6.159		60915	65207
6.319	DCB	4300537	4302290
6.767		3004	2822
6.796		2913	3436
8.017		1312	2399

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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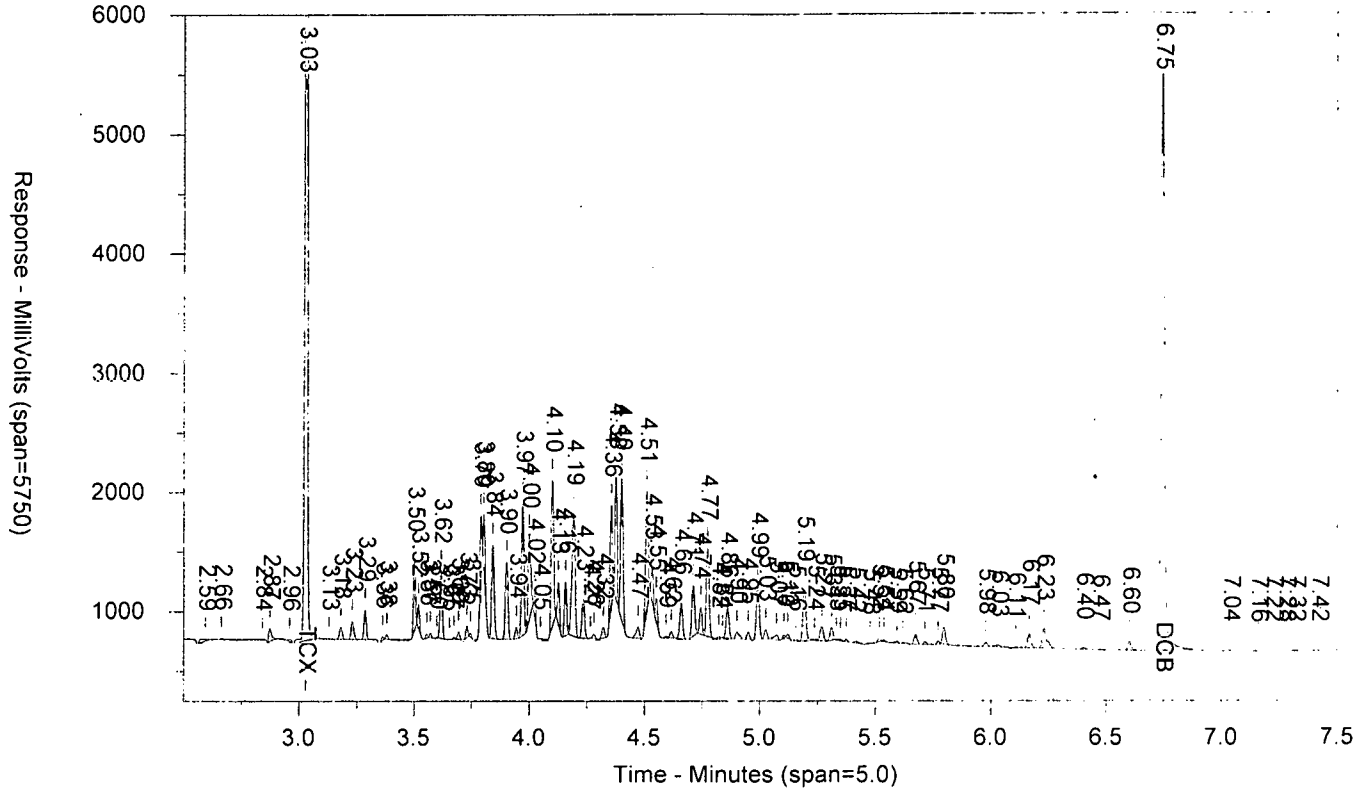

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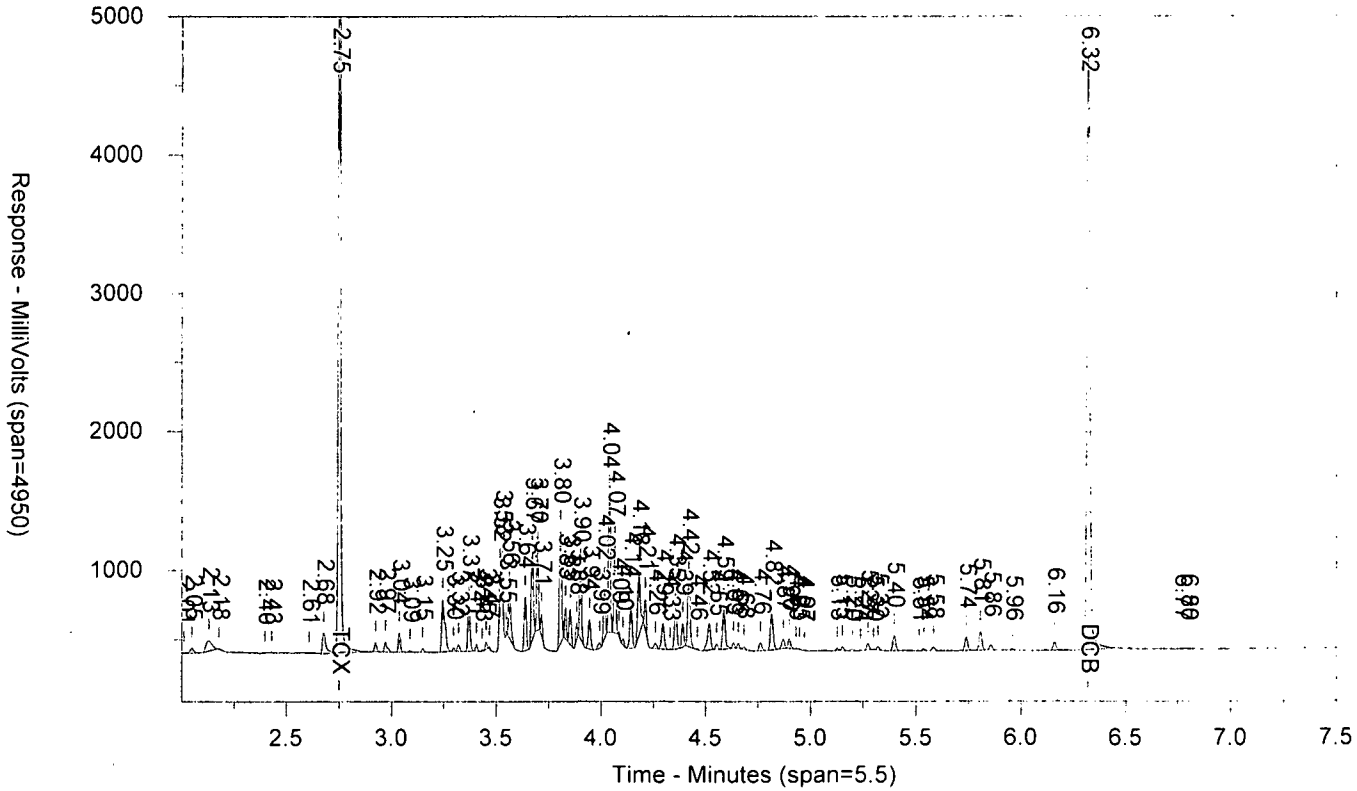

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	12439250	19.591	TCX	2.749	5965669	19.653	TCX
6.747	4828290	18.918	DCB	6.319	4300537	18.638	DCB

Files:
Area File: 07PCBS17292001.0015.RAW
Area File: 07PCBS17292001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:21:59 PM
File Reported On: 10/22/2017 at 1:34:57 PM

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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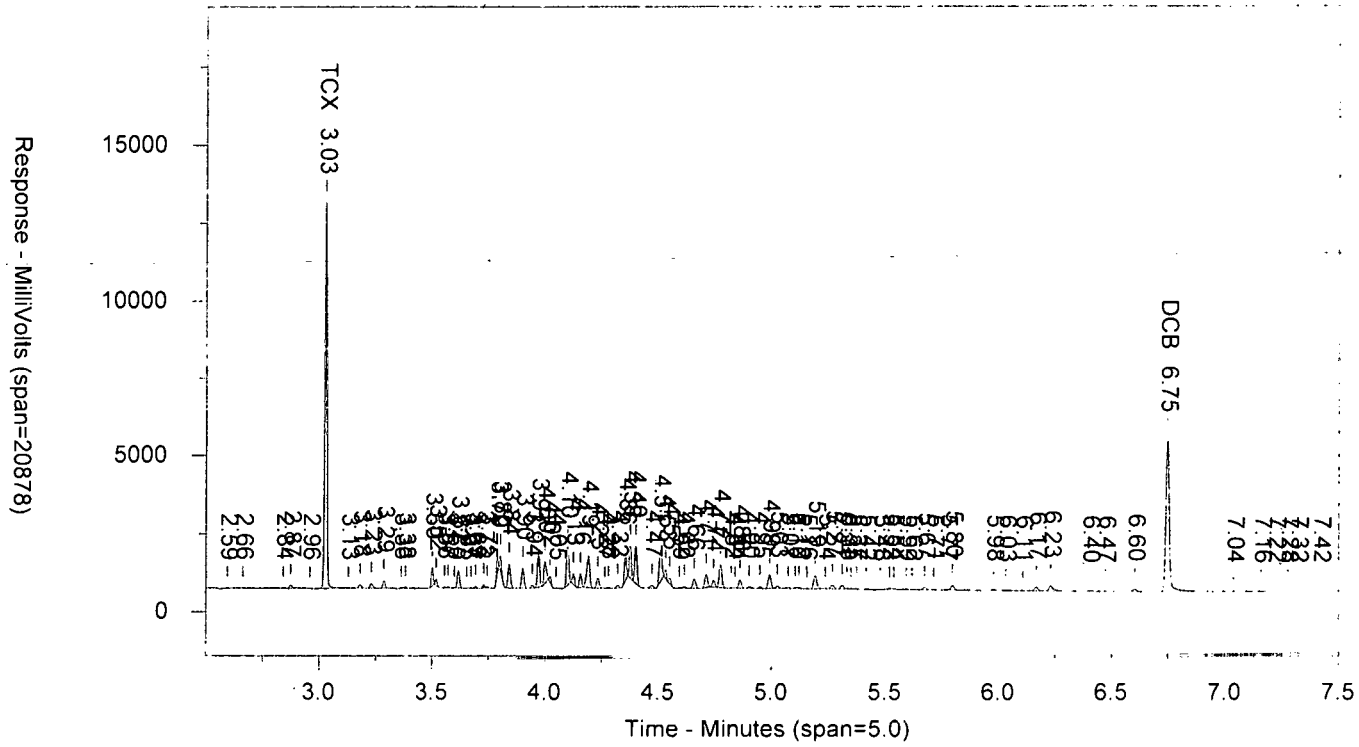

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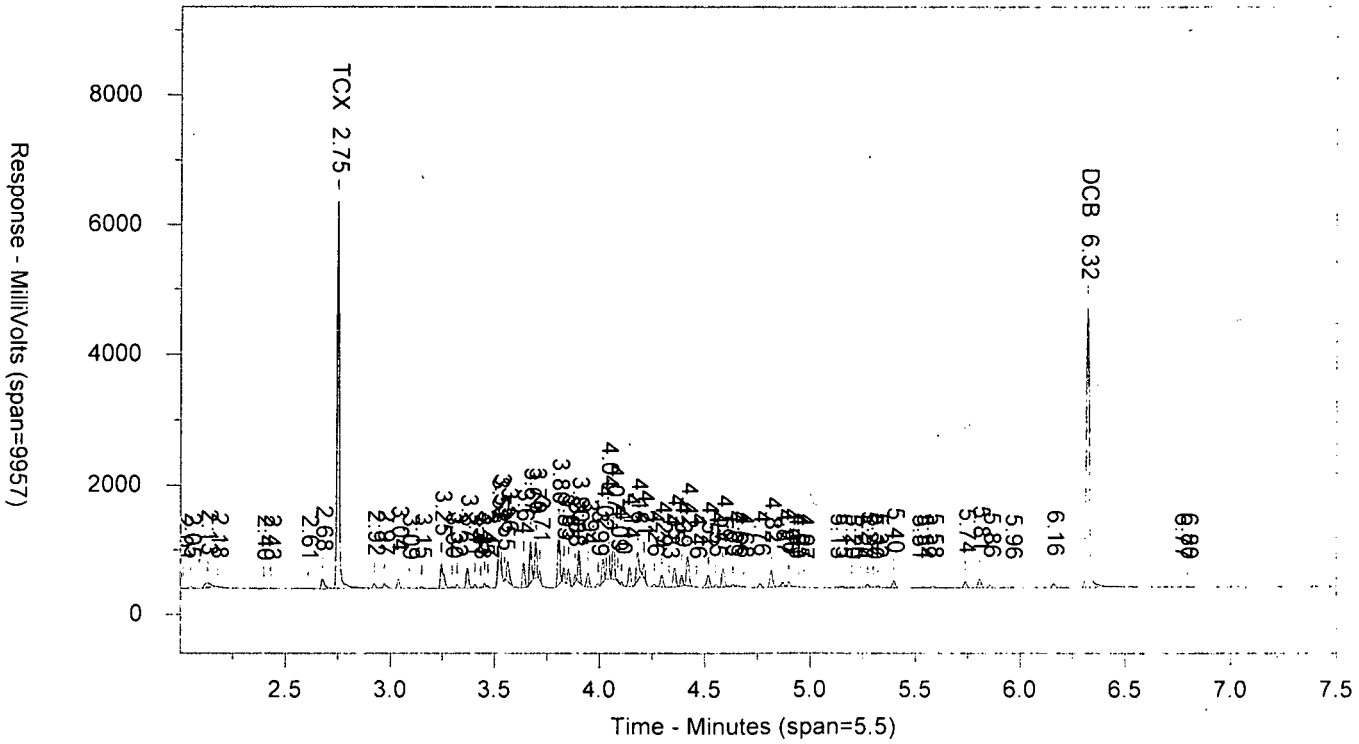

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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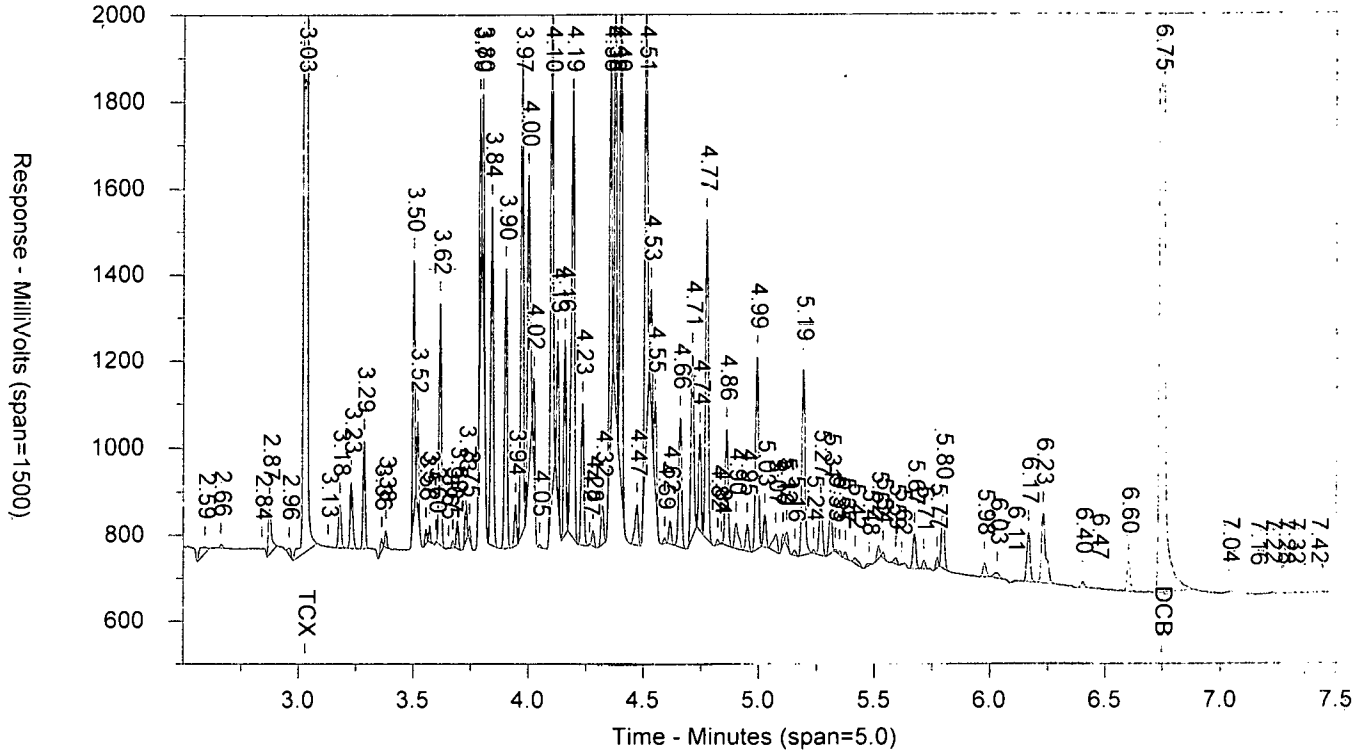

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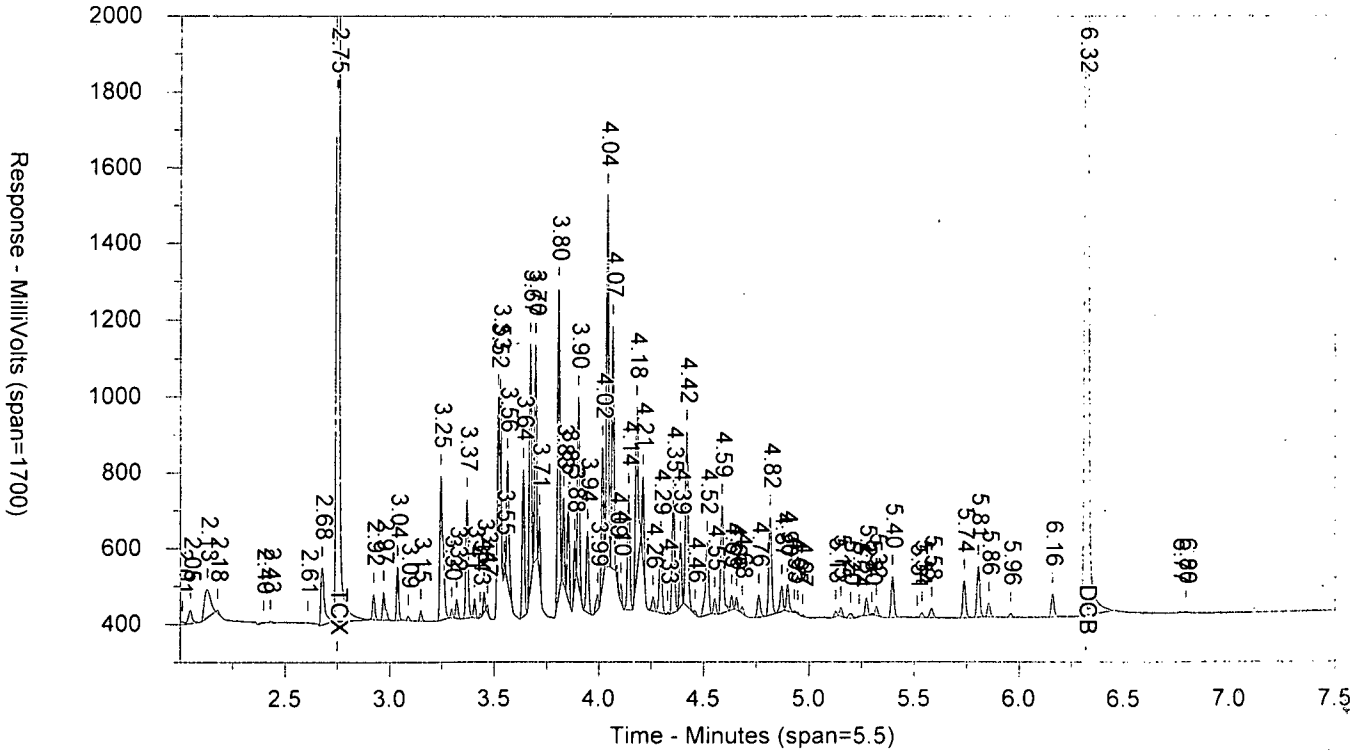

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 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: 07PCBS17292001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.561		36993	72478
1.591		71911	156938
1.672		9992	109877
1.862		2588	2553
2.049		1499	1030
2.14		55762	192986
2.186		202349	519762
2.236		54162	114813
2.316		114668	94733
2.41		27502	18506
2.427		41515	28854
2.521		12507	51110
2.591		26200	74519
2.664		14944	11428
2.875		78762	61945
3.028	TCX	26743920	17037420
3.131		5362	3228
3.181		186317	153233
3.23		298290	236190
3.285		458977	304569
3.361		54496	34056
3.38		74678	45670
3.421		2984	1939
3.502		1080105	655322
3.519		384379	198952
3.556		66515	35691
3.572		63473	32611
3.618		1077174	743298
3.652		3857	1824
3.674		35490	22985
3.693		121276	76840
3.729		182161	110551
3.745		56940	29298
3.791		942574	491333
3.803		917205	459790
3.842		1446974	1157301
3.902		1230734	955105
3.945		180941	126321
3.972		2111209	1536357
4		1358589	1135892
4.022		349061	185087
4.047		9661	7495
4.101		2476372	1747281
4.126		709794	451160
4.157		837577	606250
4.193		1994266	1882861
4.234		639652	506775
4.281		73346	60508
4.322		177256	139452
4.356		1741224	1178536
4.377		1876288	1252522
4.401		2398637	1744619
4.471		186113	179889

RT A	Compound A	Height A	Area A
4.51		1899272	1604992
4.531		556026	305207
4.551		384095	242199
4.592		25839	17022
4.615		103633	77971
4.659		552725	500036
4.712		838148	718793
4.744		434254	322496
4.774		1377043	1180470
4.823		22477	15059
4.861		504215	439621
4.901		110918	130718
4.951		117635	105022
4.993		846066	751150
5.027		151729	125476
5.075		73188	91151
5.105		47017	32634
5.121		58461	38421
5.154		20236	16824
5.193		818747	782995
5.238		18943	11906
5.269		226434	224987
5.31		204705	176504
5.334		11795	5397
5.35		18308	10981
5.374		29381	23020
5.415		20195	33305
5.474		7777	9704
5.518		58528	46954
5.538		25795	16506
5.595		23610	21228
5.62		4168	2899
5.633		9809	5811
5.674		149476	146618
5.715		38521	32153
5.739		6007	4728
5.773		44175	30654
5.797		255221	226003
5.978		58823	56817
6.031		27339	58309
6.107		2651	2060
6.167		223555	217396
6.231		317015	407189
6.34		1503	559
6.403		26729	29638
6.474		3763	3357
6.565		2731	2722
6.603		133047	134115
6.656		1665	676
6.692		3170	3313
6.748	DCB	9580602	9924759
7.224		7374	7484
7.281		1839	2061
7.331		1140	655
7.389		1369	498
7.561		1610	876
7.585		1782	908
7.67		1129	678
7.75		1638	888
7.781		1292	357
8.005		1406	925
8.111		1007	627
8.409		1075	575
8.548		901	575
8.573		1510	612

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 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, 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: 07PCBS17292001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.522		4050	4085
1.659		2021	20006
1.912		3297	11495
2.011		2431	6969
2.049		55145	58171
2.127		80389	164040
2.179		18099	14422
2.399		4952	9425
2.429		7838	6769
2.677		121108	138883
2.749	TCX	12215730	9000630
2.922		120669	95590
2.97		147757	134046
3.036		255170	181597
3.088		24522	16303
3.149		51809	39148
3.245		696804	744287
3.297		48652	30604
3.32		70193	48552
3.348		5760	2863
3.369		568941	445622
3.406		91531	61026
3.434		23581	12276
3.452		104079	59729
3.467		38926	18167
3.518		391386	208382
3.528		452602	207378
3.548		57768	22560
3.562		619776	466723
3.638		743515	536878
3.671		1204296	822495
3.696		1084619	666083
3.715		278300	154681
3.805		1521833	1099497
3.83		403729	241860
3.851		476117	318684
3.883		218072	123438
3.901		909847	630068
3.944		408024	332297
3.993		74191	66644
4.016		700910	467558
4.04		1941824	1346586
4.066		1240877	848002
4.085		76748	35128
4.105		86002	49454
4.142		577853	459316
4.181		833945	757231
4.211		404906	255619
4.259		70274	54399
4.296		346670	309280
4.331		13240	6825
4.355		555477	475729
4.389		313641	233932
4.418		861430	732849

4.458		17308	13270
4.517		357761	388525
4.553		77175	62572
4.586		531664	482854
4.632		69814	51088
4.655		59218	39781
4.684		35498	28275
4.762		106245	109695
4.815		498507	467434
4.87		131683	118907
4.897		125524	109322
4.931		7401	3617
4.946		9462	5720
4.969		8541	6723
5.073		4388	2475
5.127		29440	21935
5.152		46888	37605
5.198		22510	26000
5.239		5795	4065
5.274		91692	77723
5.299		10222	5521
5.32		42715	36883
5.396		198490	187288
5.536		23199	23335
5.582		48310	52248
5.738		180917	174888
5.806		248865	237320
5.855		67466	65179
5.959		20751	18930
6.109		1814	1650
6.159		117085	108710
6.319	DCB	8627940	8757866
6.766		5533	5005
6.796		2780	2806

AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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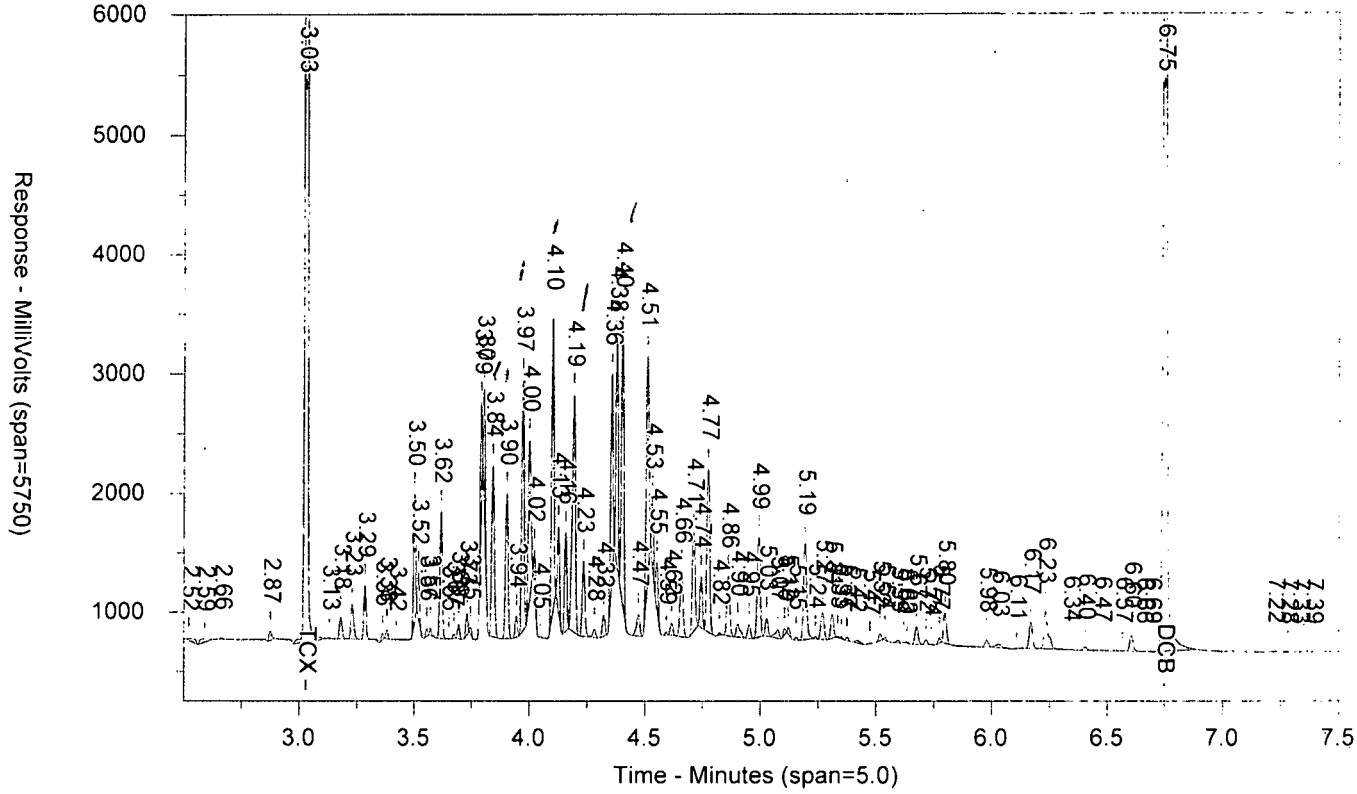

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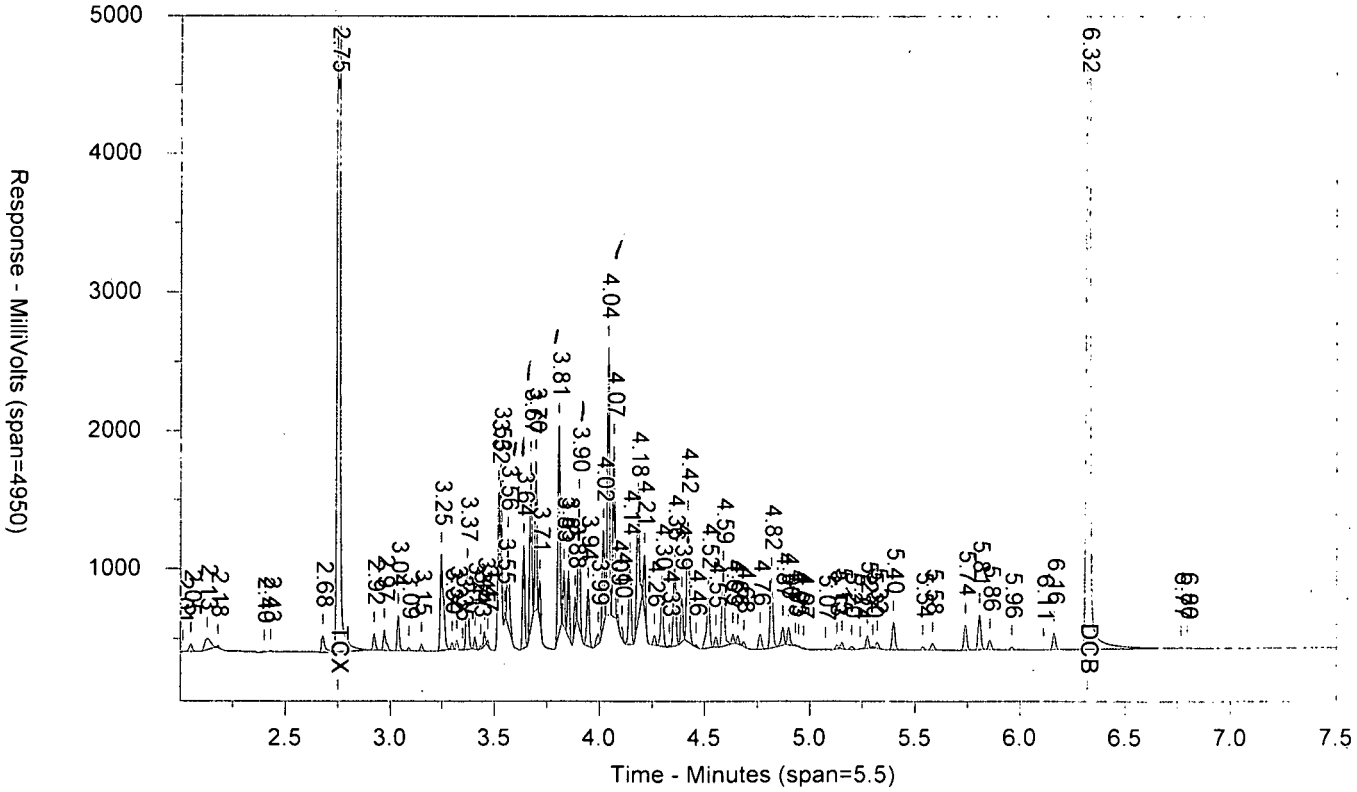

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	26743920	42.119	TCX	2.749	12215730	40.243	TCX
6.748	9580602	37.538	DCB	6.319	8627940	37.393	DCB

Files:
Area File: 07PCBS17292001.0016.RAW
Area File: 07PCBS17292001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:33:27 PM
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AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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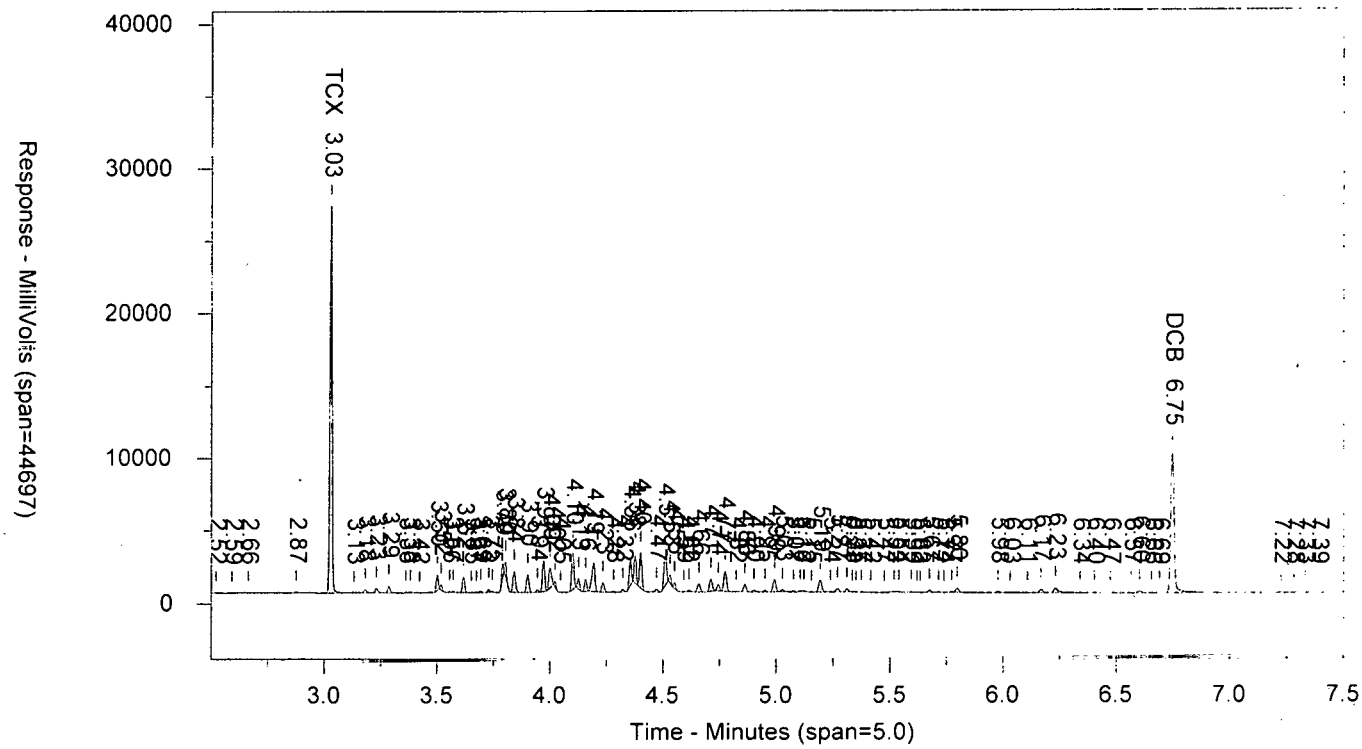

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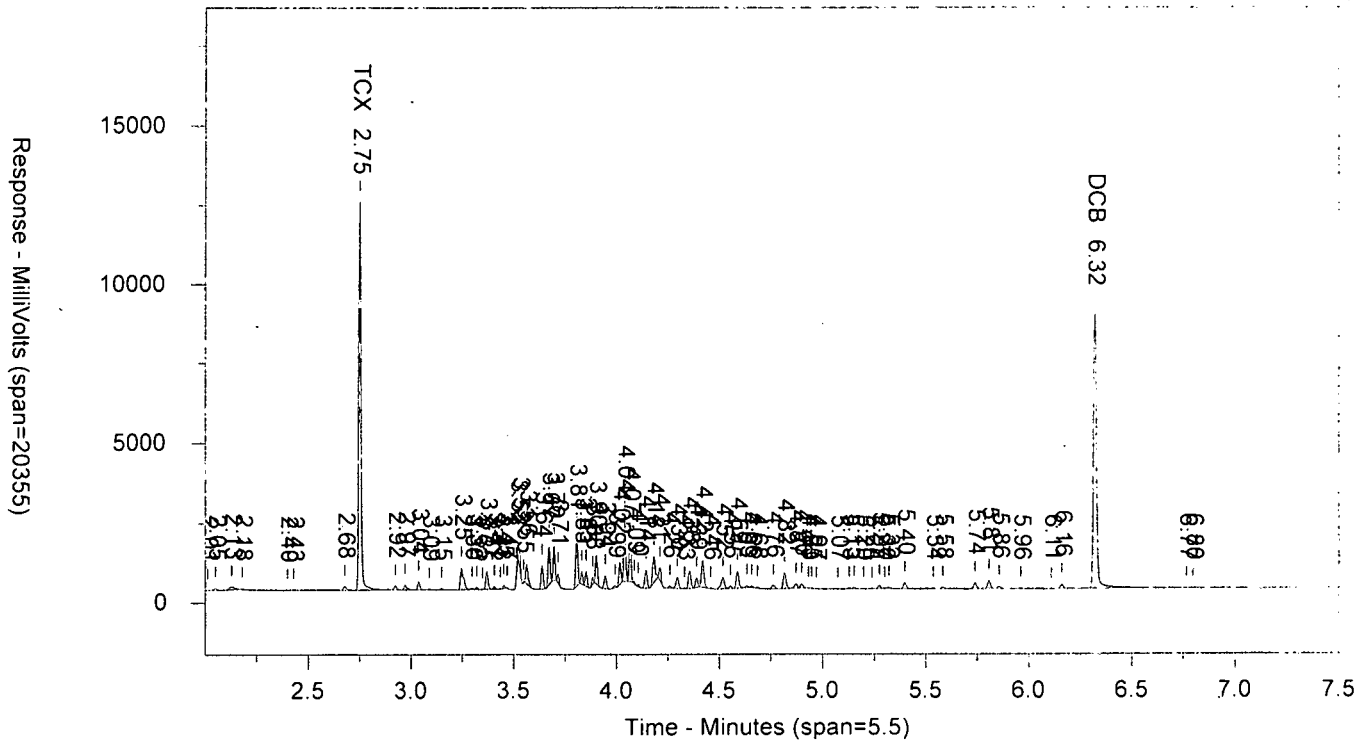

AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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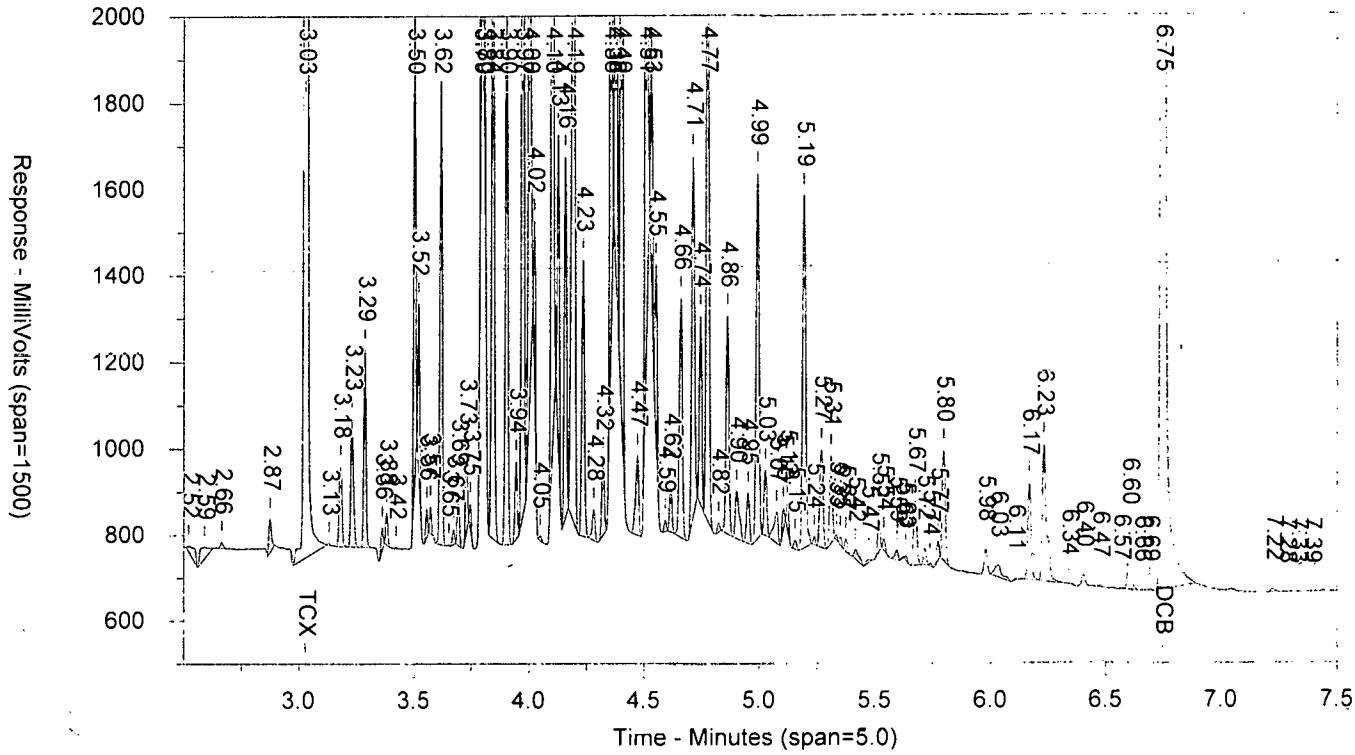

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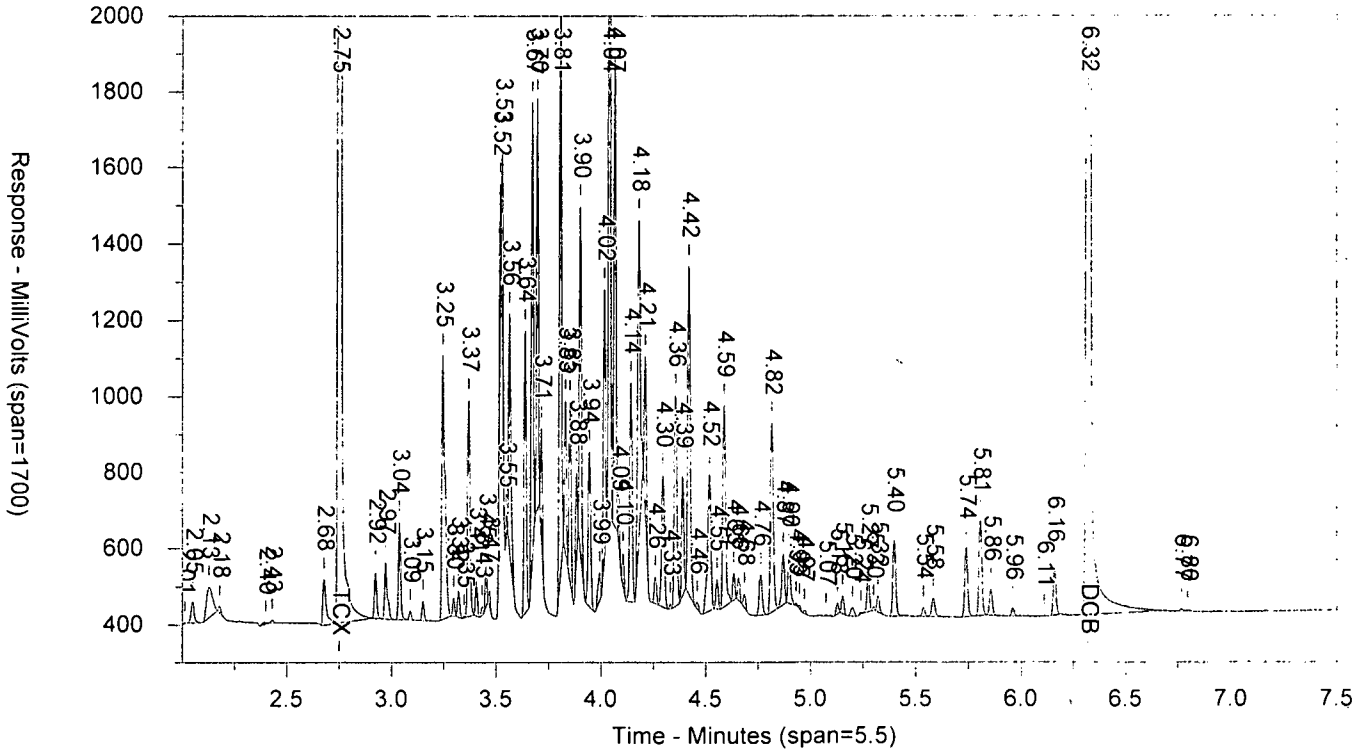

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 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: 07PCBS17292001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		24709	76669
1.59		71584	152816
1.673		10315	116721
1.823		2019	1502
2.07		43631	89719
2.131		55722	192015
2.183		113330	310031
2.24		37855	71951
2.315		162801	122796
2.41		33831	21045
2.427		63345	44631
2.52		6576	4698
2.578		14249	20085
2.644		2215	1570
2.664		32048	24015
2.874		39959	36556
3.029	TCX	40666060	26060050
3.13		6745	3775
3.181		435595	365334
3.23		452123	395359
3.285		1075778	732761
3.361		71342	41507
3.379		184495	112538
3.42		7676	4721
3.501		2635738	1569558
3.518		898727	482671
3.555		165183	89580
3.571		159731	81276
3.585		20404	6839
3.617		2555184	1819271
3.652		6920	3385
3.673		52127	34044
3.692		323843	210958
3.729		446869	263220
3.744		145176	75305
3.79		2334274	1236678
3.803		2434895	1210723
3.841		3866067	2889484
3.901		3139163	2384626
3.943		427476	302270
3.971		5330973	3808934
3.999		3455001	2827542
4.022		937358	492692
4.048		14983	8813
4.1		5920643	4333402
4.125		1749780	1129257
4.156		2098390	1514330
4.192		5009751	4799224
4.234		1608582	1261237
4.28		178462	150879
4.321		421092	340681
4.355		4364452	2989185
4.376		5047731	3279757

RT A	Compound A	Height A	Area A
4.4		6138414	4500600
4.471		441595	445314
4.509		4738681	4073334
4.531		1375991	748921
4.55		922316	575786
4.592		70754	45886
4.615		254982	195168
4.658		1340056	1223588
4.711		2042650	1761014
4.743		1124420	820376
4.774		3574744	3032603
4.822		56237	40476
4.837		4310	951
4.86		1243774	1079915
4.901		270130	327064
4.95		298288	257233
4.992		2119603	1888703
5.026		212599	177592
5.074		168007	202257
5.103		144564	98065
5.12		131678	85951
5.154		38072	31754
5.192		2158018	1968982
5.237		45254	30860
5.267		353217	348882
5.31		497597	432497
5.332		29060	14063
5.349		37831	22800
5.374		71110	55553
5.416		45497	52666
5.473		2305	3187
5.517		136174	108008
5.537		55278	35346
5.593		41683	35555
5.619		6661	4560
5.632		17264	11452
5.674		227043	211971
5.715		87845	78330
5.74		15151	9508
5.772		112497	83466
5.796		361626	308837
5.977		128154	125493
6.032		54095	87497
6.109		4679	7965
6.167		336140	314904
6.23		459890	592178
6.402		58127	61448
6.473		3618	2932
6.532		3092	1428
6.569		2756	1803
6.602		201786	203352
6.695		3082	2242
6.748	DCB	15051710	15200370
7.006		1328	787
7.191		1070	390
7.221		12223	15051
7.439		1554	1019
7.737		1615	482
7.907		870	949
8.015		1521	1159
8.157		1508	449

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 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, 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: 07PCBS17292001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.519		3374	3593
1.664		3752	30063
1.911		6328	20190
2.004		7882	17502
2.05		85432	90577
2.131		35819	69674
2.179		30384	23312
2.271		3176	3497
2.399		3745	7598
2.43		19558	17343
2.495		1685	1343
2.677		62243	73336
2.749	TCX	19017570	13752290
2.922		278433	217926
2.97		155027	87128
2.983		35675	15764
3.036		585334	425661
3.088		35317	23136
3.149		119036	91718
3.245		1586940	1701550
3.297		113444	71587
3.319		133786	88090
3.346		20407	10351
3.369		1345000	1029888
3.405		211362	140127
3.433		33767	16519
3.452		245319	140760
3.467		91803	43428
3.518		976553	469172
3.527		1272488	551794
3.548		141175	52240
3.562		1507870	1123924
3.637		1780739	1281454
3.671		2969636	1964558
3.695		2690214	1616271
3.714		675161	364707
3.805		3627520	2673855
3.829		977429	575701
3.85		1171614	755055
3.882		492809	280883
3.9		2229383	1522634
3.944		944048	777087
3.992		170739	154086
4.016		1731459	1167867
4.039		4884966	3390054
4.065		3258193	2171952
4.085		170029	77677
4.105		195380	116746
4.142		1327920	1084569
4.18		2086674	1848391
4.21		1123525	713128
4.258		169027	126776
4.294		816946	718681
4.329		16314	8441

4.355		1380329	1159897
4.389		739211	559524
4.418		2129375	1773106
4.457		38132	34897
4.517		841906	907393
4.552		181876	146795
4.586		1329279	1175745
4.631		91264	61385
4.655		148385	105351
4.683		88244	69452
4.761		236854	254600
4.815		1261746	1159598
4.87		180826	174938
4.897		301415	274056
4.93		19029	9474
4.945		18949	10529
4.969		22708	17055
5.045		4274	4870
5.074		6018	3757
5.091		7577	4654
5.126		61834	47705
5.151		107693	89259
5.2		43764	50949
5.238		12013	8816
5.273		126292	105971
5.298		27587	16358
5.32		100390	87927
5.396		299476	283213
5.512		2911	1674
5.536		52769	46948
5.583		100128	119477
5.738		258253	249105
5.805		364276	342520
5.854		104845	100823
5.959		46571	42393
6.112		2092	1972
6.159		180021	165301
6.319	DCB	12966240	13268540
6.767		8981	7734
6.946		1735	1527
8.186		1537	1940
8.63		3446	6135

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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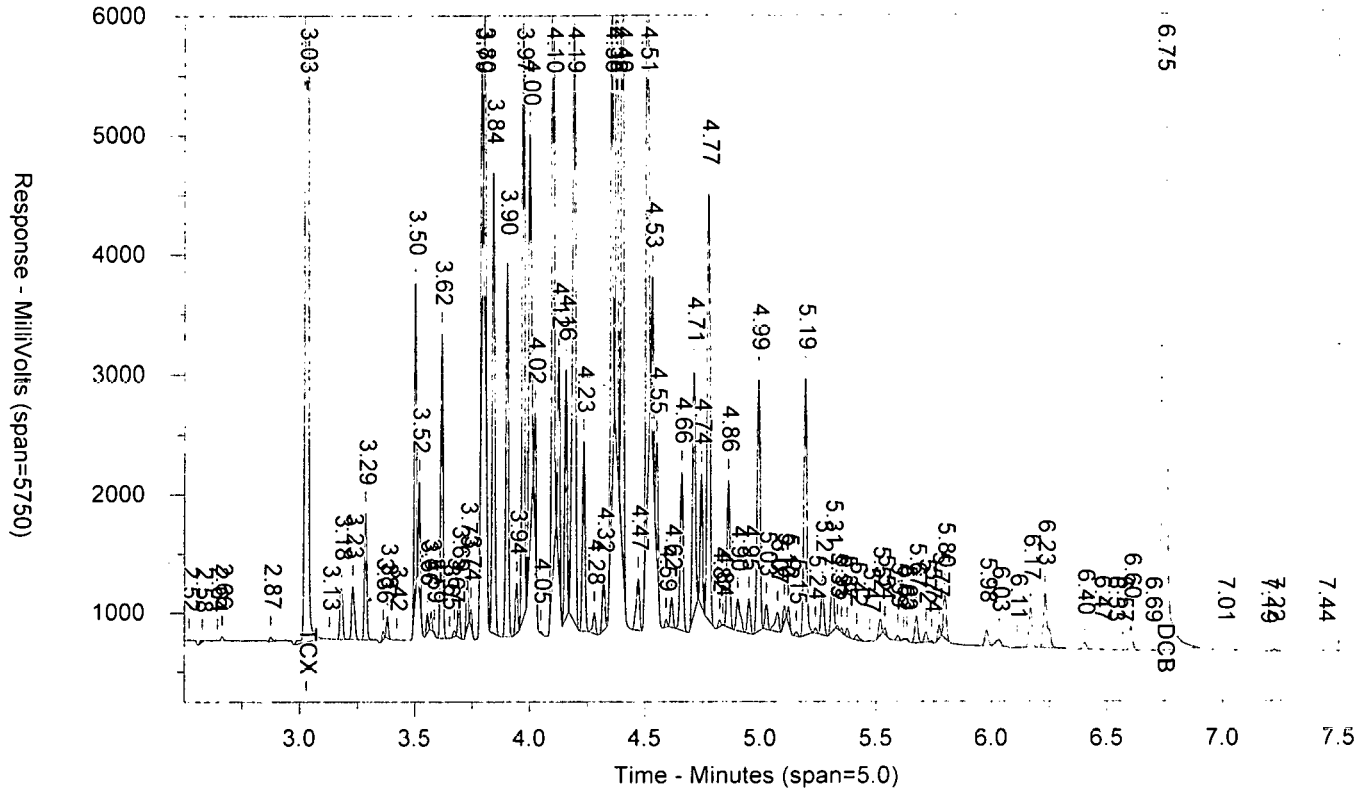

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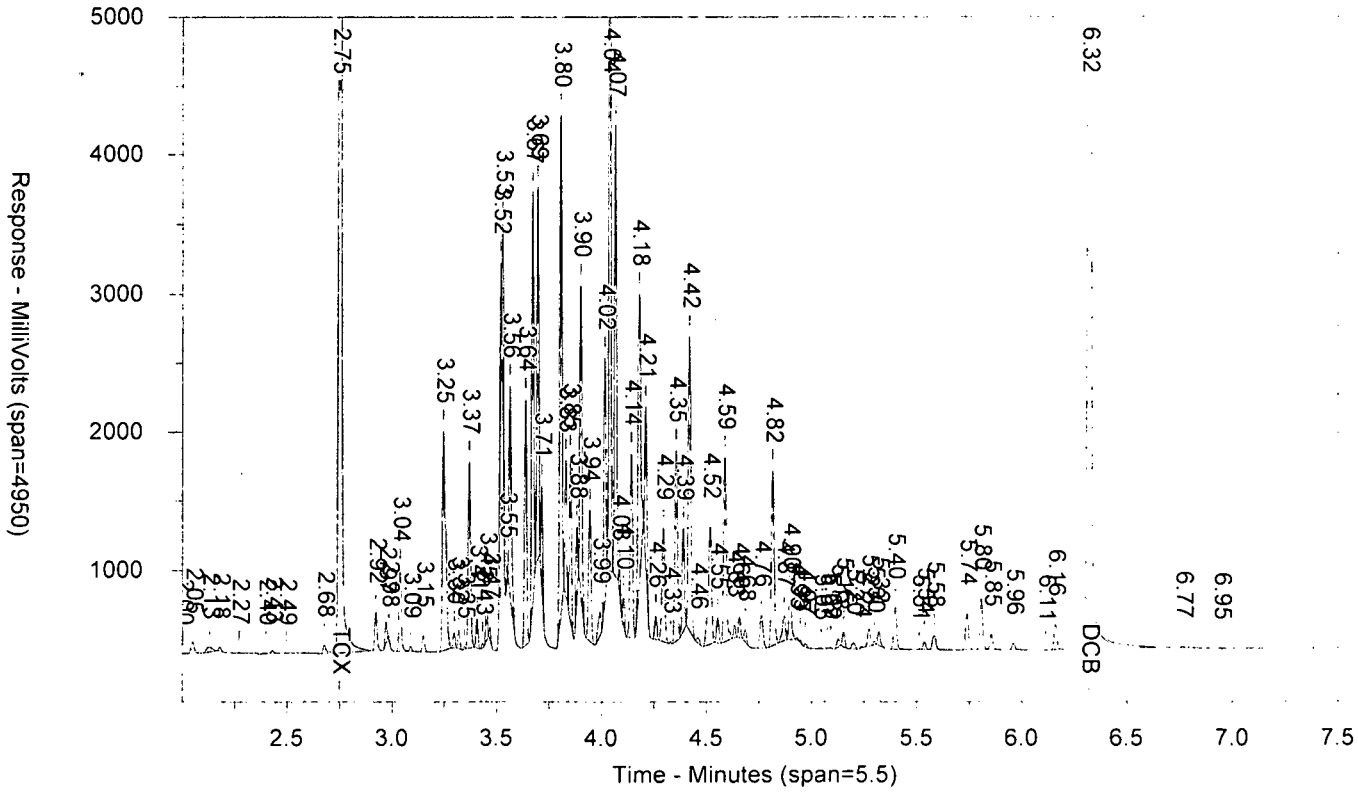

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	40666060	64.045	TCX	2.749	19017570	62.651	TCX
6.748	15051710	58.974	DCB	6.319	12966240	56.195	DCB

Files:
Area File: 07PCBS17292001.0017.RAW
Area File: 07PCBS17292001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:44:52 PM
File Reported On: 10/22/2017 at 1:35:17 PM

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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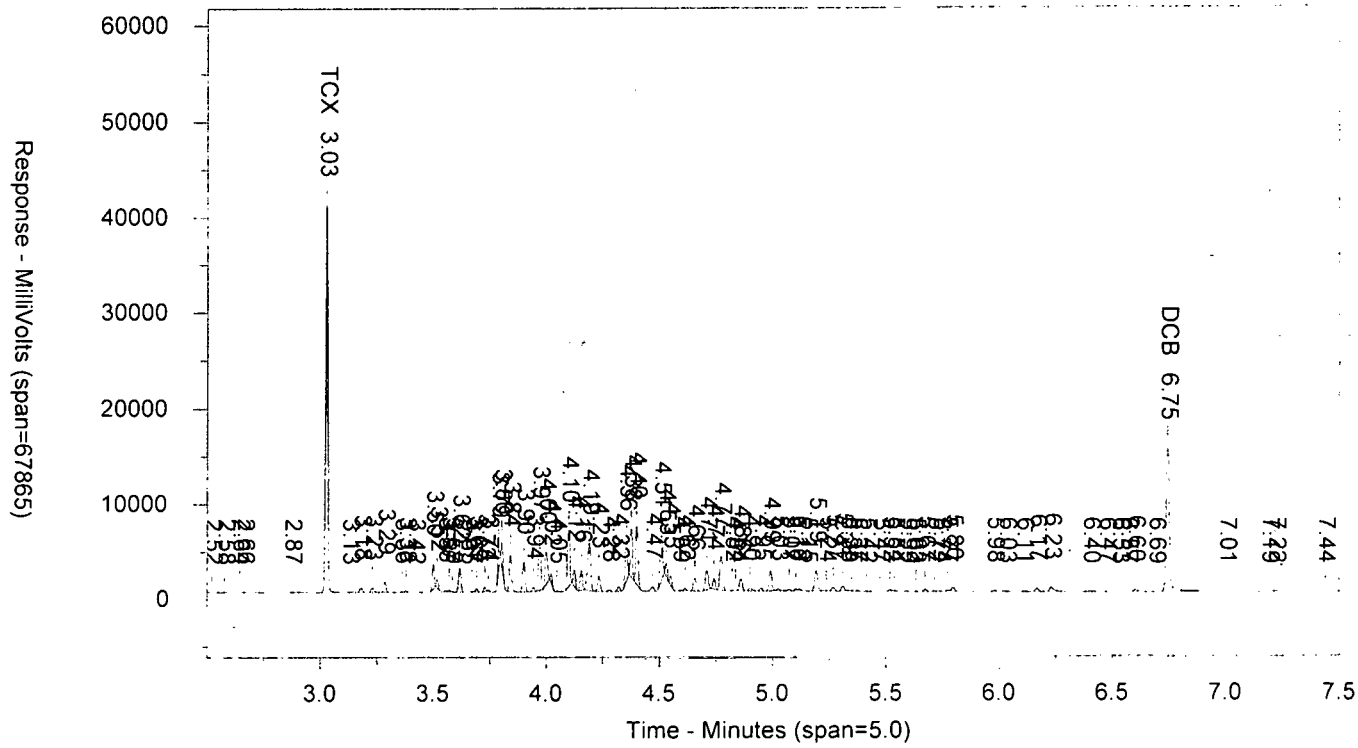

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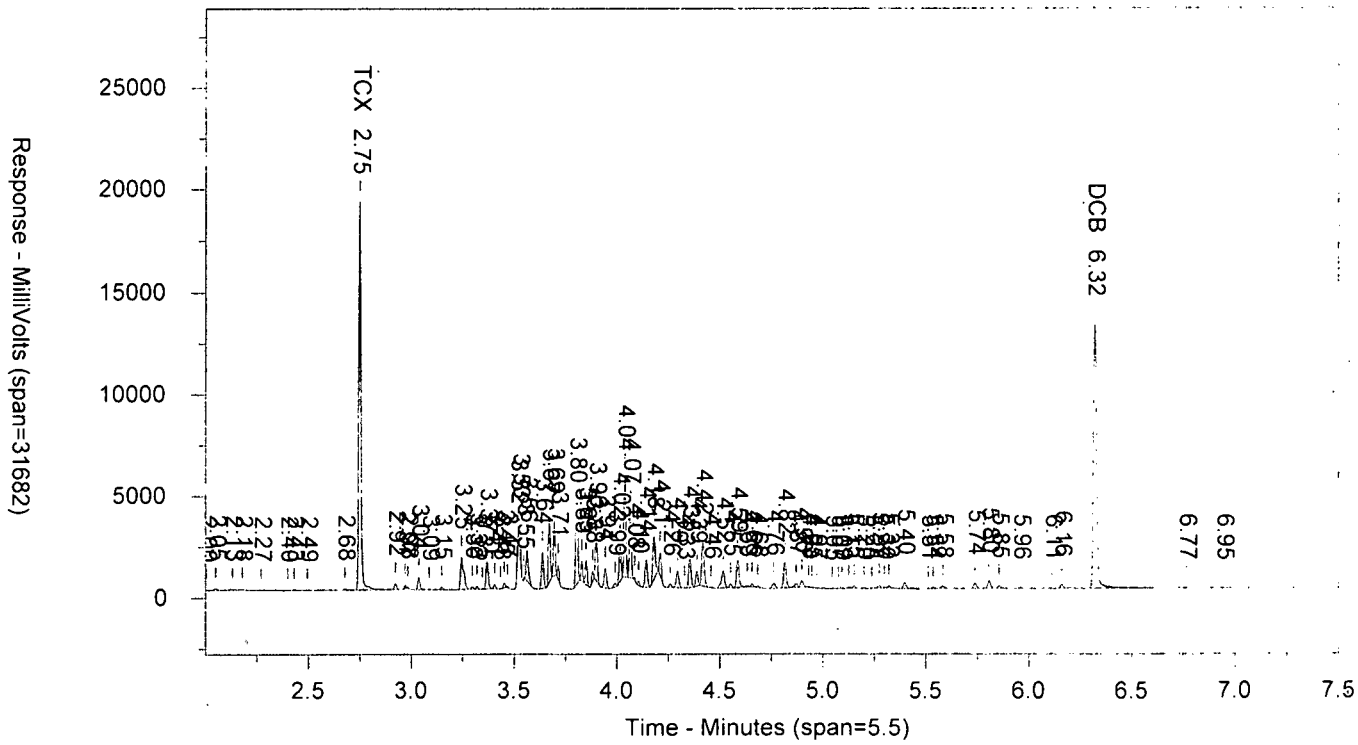

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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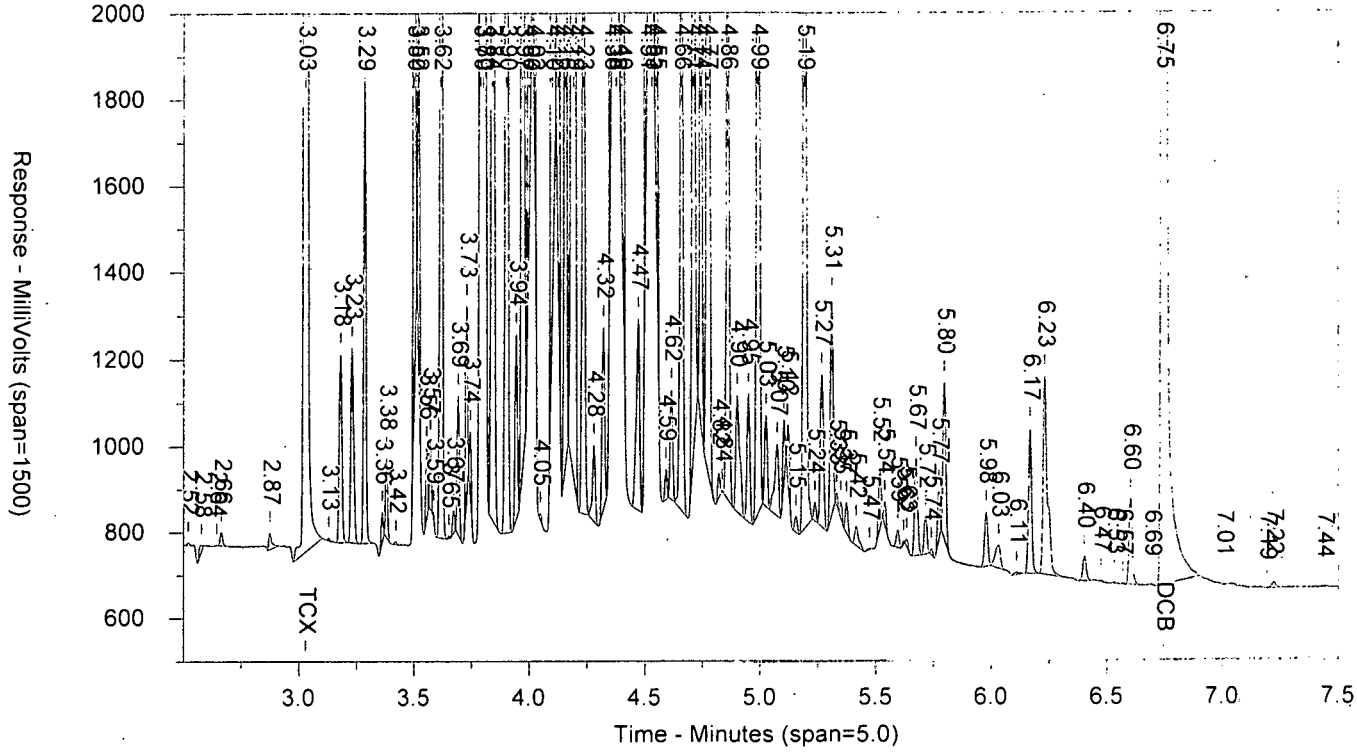

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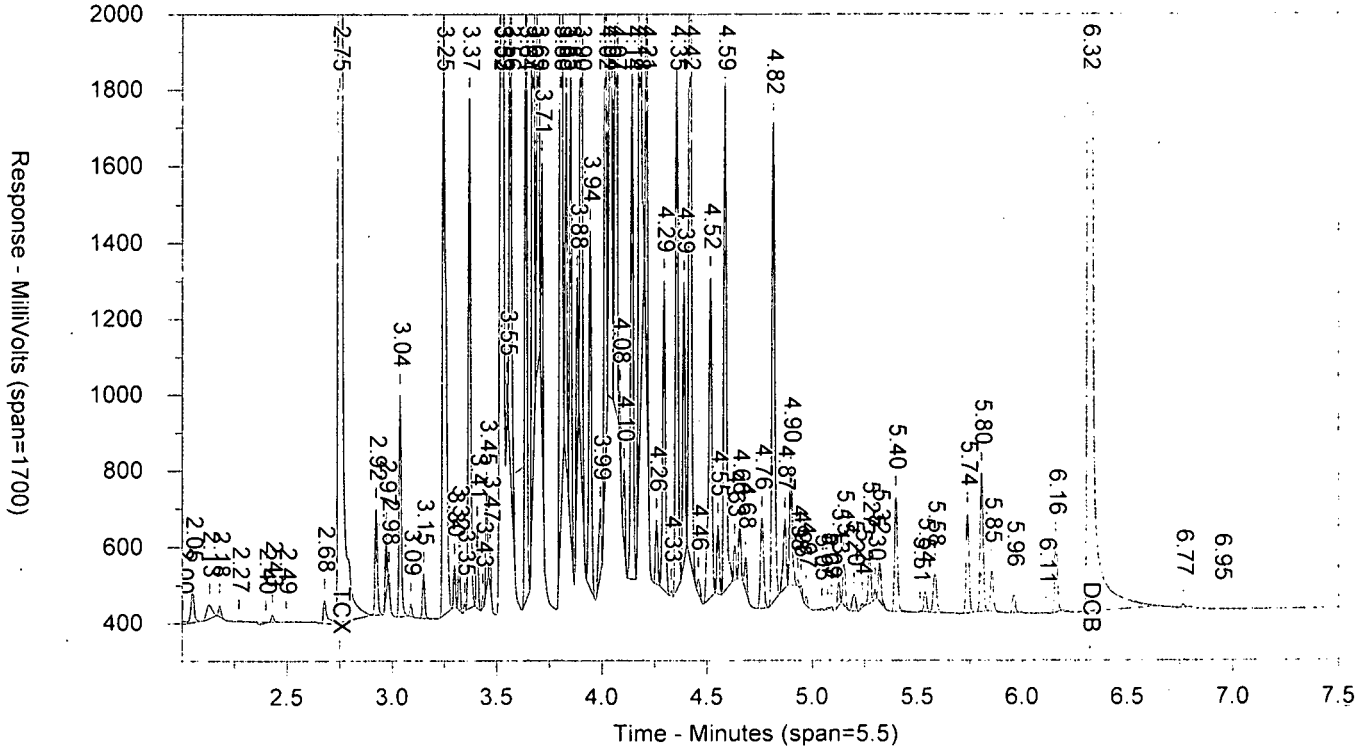

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 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: 07PCBS17292001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		2882	3722
1.663		79776	222054
1.729		12889	23943
1.862		2920	2392
1.918		1859	1485
2.047		2290	1441
2.125		73349	183676
2.184		151568	403664
2.243		44768	98324
2.315		208194	149938
2.409		26290	16075
2.426		79967	57108
2.52		24050	75689
2.577		21100	28996
2.663		60557	43731
2.874		57155	47286
2.939		4281	2361
3.028	TCX	54595050	34531360
3.129		9192	5104
3.18		805330	671349
3.23		622307	585580
3.284		2069152	1488140
3.36		85952	51124
3.379		356726	223157
3.419		13633	9161
3.501		5113079	3054790
3.518		1771839	938484
3.555		325276	178953
3.571		307689	149595
3.584		46254	16414
3.616		5138638	3593330
3.652		12078	5722
3.671		79376	52044
3.692		591811	398839
3.729		870756	525623
3.744		295237	143302
3.79		4554108	2460918
3.802		5232220	2609330
3.841		7442005	5695547
3.901		6309481	4833114
3.943		859752	591423
3.971		10835280	7678284
3.999		7077844	5700429
4.021		1767271	899271
4.048		27757	15194
4.099		12327280	8803973
4.124		3479441	2309441
4.156		4377285	3126394
4.191		10400530	9867675
4.233		3283765	2586086
4.28		361768	299715
4.32		864369	696048
4.356		8652075	5894330

RT A	Compound A	Height A	Area A
4.375		9629877	6381208
4.4		13063880	9476481
4.47		918587	895700
4.509		10148610	8315446
4.53		3065339	1714083
4.549		1975612	1223947
4.591		130090	89964
4.615		509632	382916
4.658		2816590	2474302
4.711		4395897	3643448
4.743		2350153	1714717
4.774		7460216	6264484
4.822		116250	78638
4.838		6159	1927
4.86		2488918	2199352
4.9		558606	649882
4.949		565098	518875
4.992		4313285	3926443
5.026		269159	212918
5.073		346732	415259
5.103		290274	195508
5.12		242576	163450
5.154		68893	56219
5.192		4538945	4105742
5.237		96506	67340
5.266		463421	465674
5.309		972295	871331
5.332		58599	27629
5.35		79575	45890
5.374		145821	112838
5.416		82304	89581
5.466		3468	2056
5.487		1340	532
5.517		270534	217783
5.536		113010	69846
5.593		73568	60448
5.619		7231	4311
5.631		27605	20947
5.673		271915	257971
5.715		171490	151311
5.74		27022	17540
5.772		244502	182805
5.796		429966	353209
5.977		247149	233492
6.032		102277	175668
6.108		2855	2875
6.165		409155	399160
6.229		458534	382347
6.247		40470	25877
6.401		115473	114035
6.443		4442	3046
6.47		3090	2563
6.526		4882	4091
6.569		3739	2931
6.6		286736	282993
6.693		3516	2738
6.746	DCB	19389700	20067640
7.004		2293	1534
7.034		3199	5175
7.219		16468	19047
7.281		1280	643
7.326		1409	656
7.38		1204	1372
7.443		2057	2070
7.746		1172	622
7.85		972	273

RT A	Compound A	Height A	Area A
7.877		1678	1314
8.027		1651	464
8.052		1777	486
8.45		1059	469
8.498		1524	470
8.518		1350	615
8.641		1436	1224

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 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, 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: 07PCBS17292001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.635		2408	16875
1.923		18157	89108
2.009		4379	10561
2.05		100604	97800
2.127		52042	97662
2.179		38892	30603
2.271		4060	7336
2.398		4974	10776
2.429		35206	30716
2.676		89387	104180
2.749	TCX	24721360	17408140
2.791		59707	39151
2.922		490459	393549
2.97		190657	102876
2.983		85909	41553
3.036		1080583	788056
3.087		45368	29801
3.148		225395	169706
3.245		3031350	3216844
3.297		217503	136178
3.319		228673	146875
3.346		45971	23717
3.368		2609394	1966684
3.405		381026	254194
3.433		41988	20088
3.451		482540	276360
3.466		173753	83204
3.517		1845860	999200
3.527		2367770	1054615
3.547		242094	94772
3.561		2918628	2177859
3.636		3551952	2545317
3.67		5914579	3872276
3.695		5244273	3226852
3.714		1357737	738644
3.804		7583219	5326258
3.828		1973571	1154349
3.85		2242488	1497547
3.882		1022033	534330
3.899		4471373	3049713
3.944		1854890	1530267
3.992		336932	301425
4.015		3725039	2412831
4.038		9867307	6906148
4.064		6774114	4525151
4.084		309121	148192
4.104		368470	216611
4.141		2659896	2135844
4.179		4276431	3672825
4.209		2453369	1546289
4.258		316958	244415
4.294		1615265	1400289
4.328		19875	9285
4.354		2772510	2347799

4.389		1513832	1131928
4.417		4412822	3606158
4.457		71183	62925
4.516		1684581	1783317
4.552		365201	287368
4.585		2603931	2177649
4.609		38841	18045
4.631		101478	63339
4.655		292467	210123
4.683		168343	134653
4.762		456001	478569
4.815		2672245	2373643
4.868		219800	232370
4.897		625243	562361
4.929		37399	18220
4.944		36725	21538
4.97		45082	32763
5.044		8771	13201
5.074		11597	7143
5.09		15274	10001
5.126		108792	84823
5.151		207781	170446
5.2		72475	80920
5.238		21142	16160
5.272		148808	124777
5.298		57186	35390
5.32		193234	168793
5.396		347283	342257
5.513		4210	2708
5.536		97810	87717
5.582		190016	220461
5.737		327272	310513
5.805		450717	427421
5.854		141379	134729
5.958		89965	82822
6.159		242923	230246
6.319	DCB	17537870	17494610
6.765		12074	10922

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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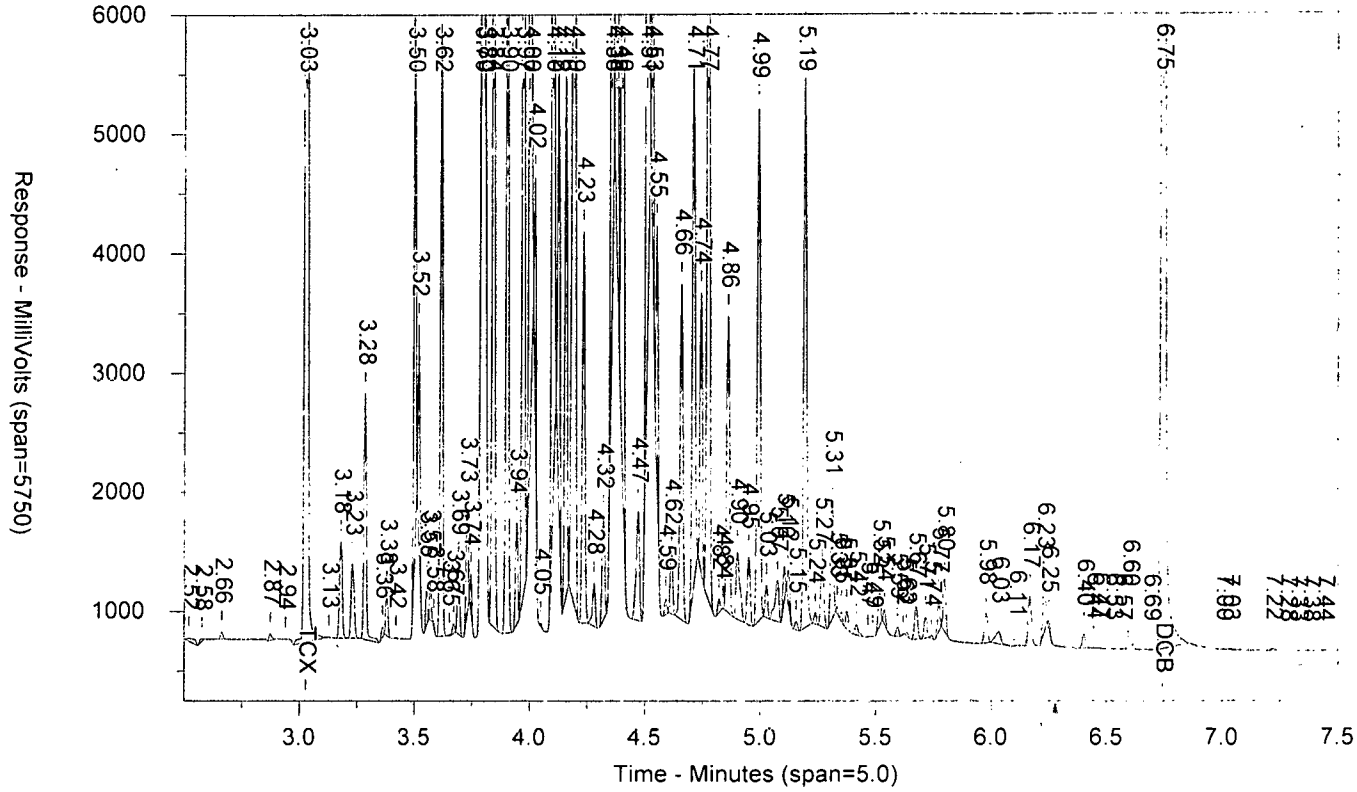

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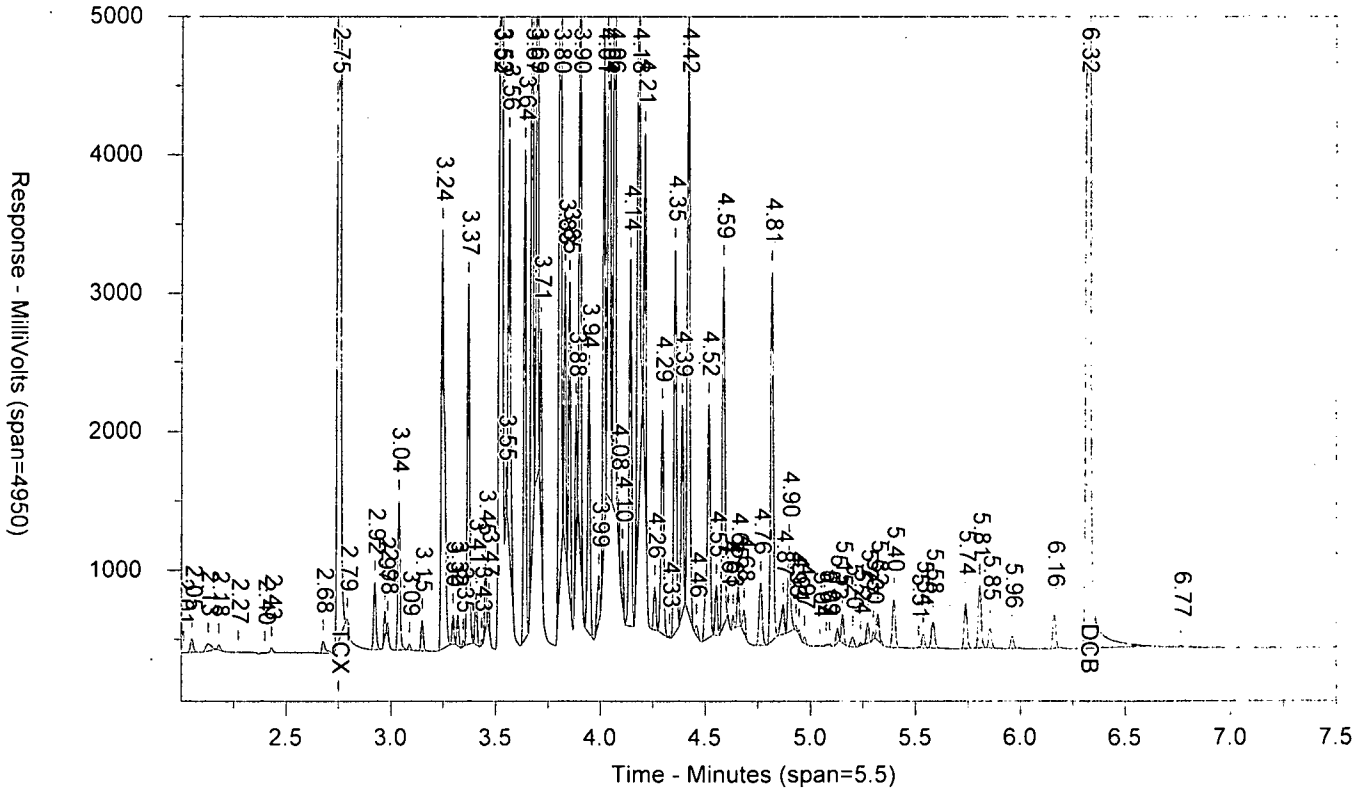

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	54595050	85.982	TCX	2.749	24721360	81.441	TCX
6.746	19389700	75.971	DCB	6.319	17537870	76.008	DCB

Files:
Area File: 07PCBS17292001.0018.RAW
Area File: 07PCBS17292001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:56:11 PM
File Reported On: 10/22/2017 at 1:35:29 PM

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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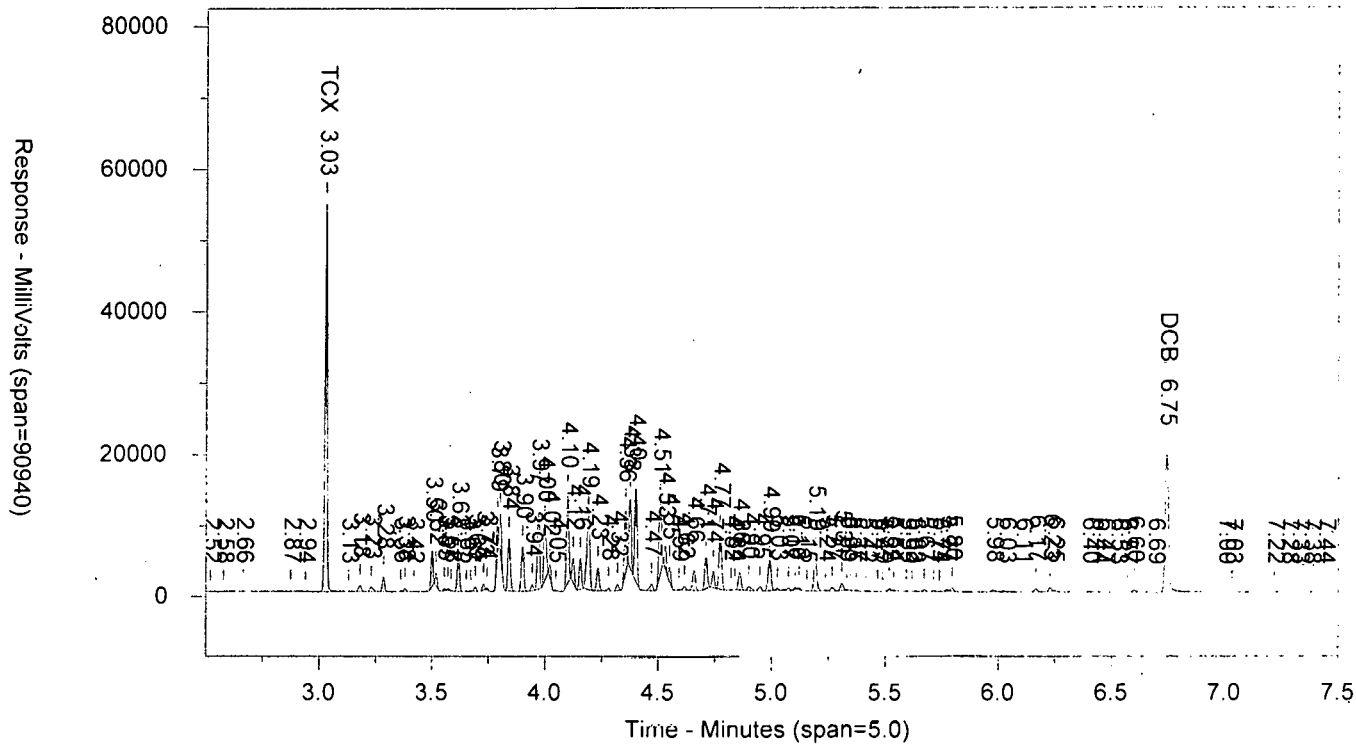

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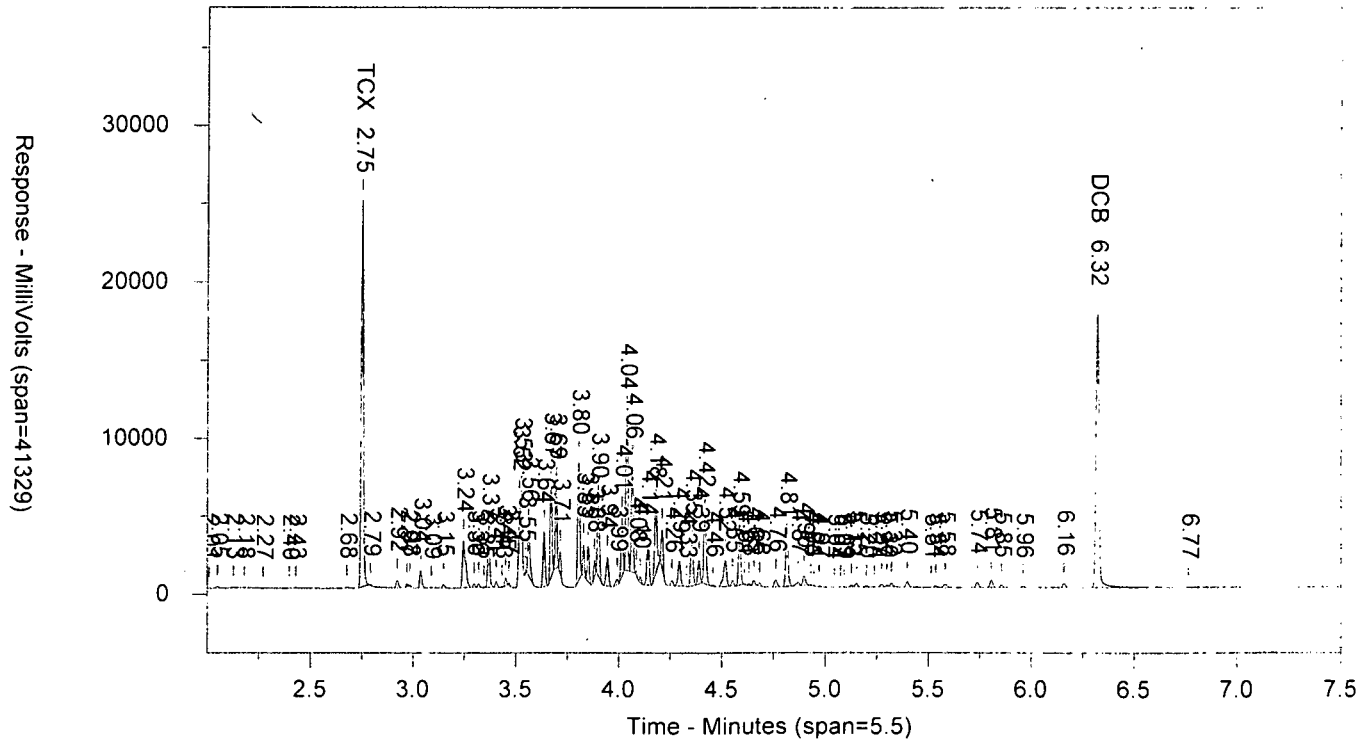

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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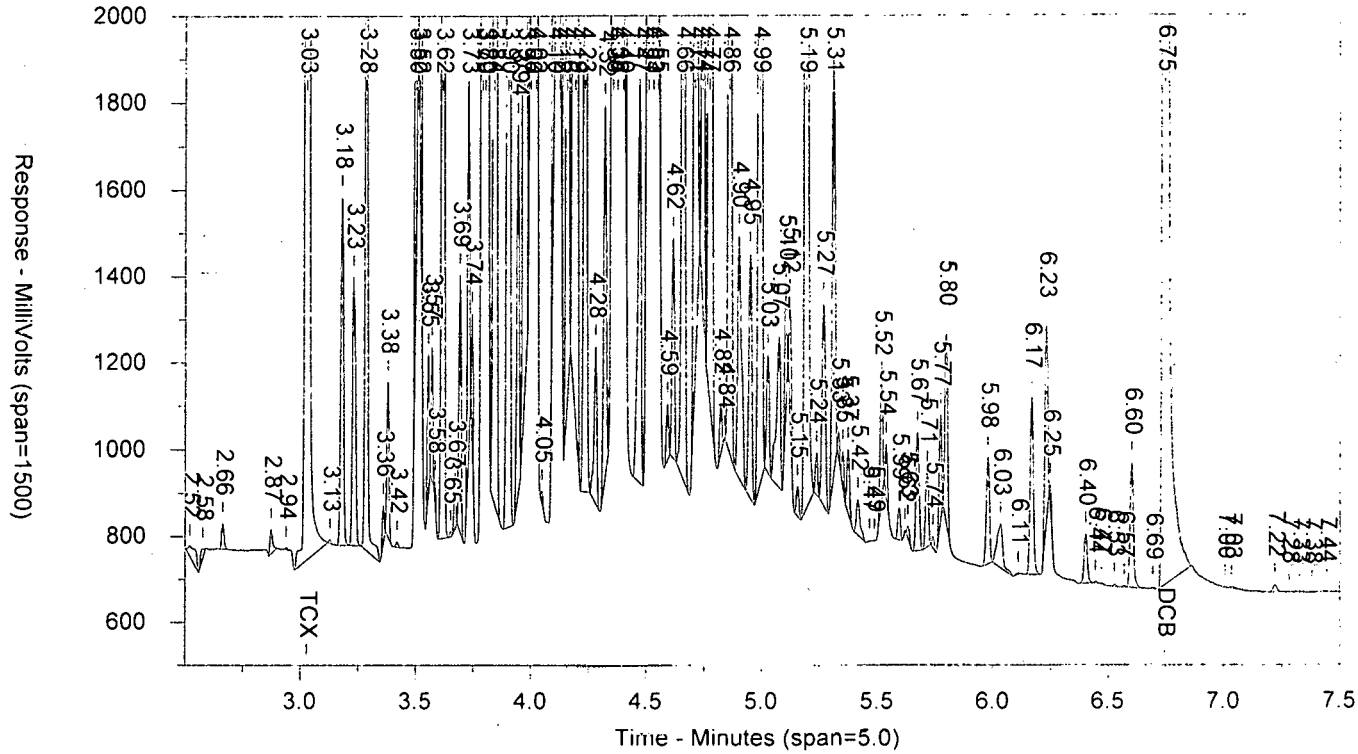

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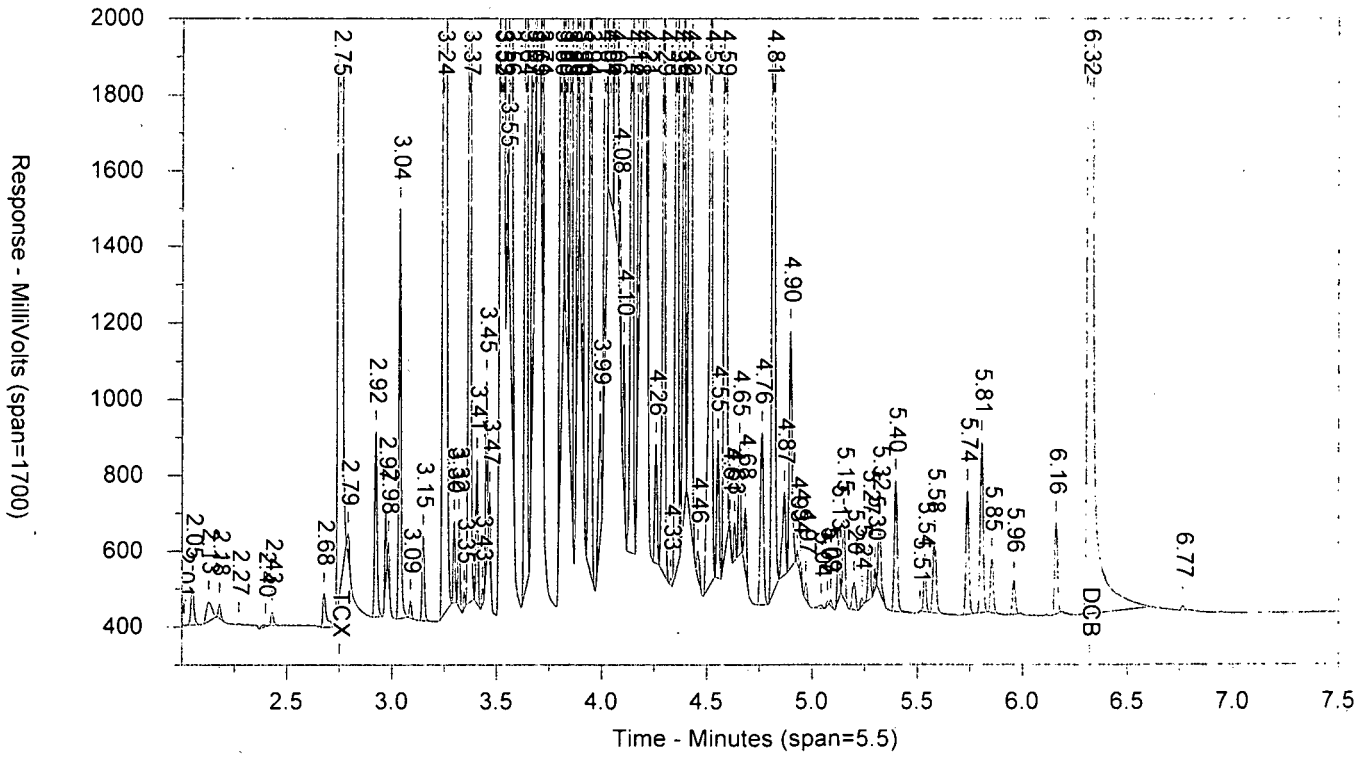

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 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: 07PCBS17292001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.667		16206	92449
2.13		30856	82602
2.186		113430	240549
2.315		6348	5261
2.409		35361	24270
2.471		3328	3354
2.577		17326	23280
2.874		59003	64295
2.958		16792	19068
3.028	TCX	1304223	898765
3.18		6134	5024
3.229		17272	11865
3.284		10889	7616
3.363		9773	9764
3.424		1919	1264
3.501		23405	14952
3.518		6535	4800
3.571		12583	10040
3.597		8598	4653
3.616		16986	10244
3.694		13255	8689
3.73		3744	2089
3.77		1456	405
3.79		8545	4507
3.806		6586	5743
3.842		60861	47628
3.882		1644	1004
3.901		22027	16727
3.923		1198	177
3.945		4570	2465
3.971		241528	178254
4		74046	100463
4.047		13352	17459
4.1		145307	109004
4.125		9414	5364
4.156		24800	18242
4.191		67916	81879
4.234		15228	12334
4.28		7213	4694
4.317		12095	8440
4.356		340265	249161
4.376		113266	65483
4.402		99422	83125
4.47		90672	76334
4.514		480976	511079
4.55		176345	137768
4.592		6262	4294
4.614		28413	22667
4.658		185793	161873
4.711		307738	277079
4.743		73175	50311
4.774		597010	523937
4.822		28314	20553

RT A	Compound A	Height A	Area A
4.837		14121	5868
4.86		87977	68187
4.9		192629	190603
4.949		37086	32884
4.991		395228	368628
5.024		14462	9657
5.05		34824	29473
5.072		7290	4591
5.102		125880	93829
5.119		69127	46247
5.152		7872	6208
5.192		305278	286563
5.237		33751	26193
5.264		41211	55983
5.309		403884	348499
5.331		24093	12784
5.35		20172	10316
5.373		12301	8888
5.415		19288	28588
5.472		4938	5396
5.49		1416	375
5.517		111066	90088
5.536		21005	13439
5.593		24184	27048
5.633		13112	11589
5.673		10494	9521
5.714		75141	66607
5.739		13291	9201
5.772		50858	40974
5.796		12993	11853
5.979		50802	45790
6.008		7037	5404
6.109		2464	3089
6.164		12949	12555
6.23		12478	12282
6.389		1329	383
6.403		1733	1023
6.472		3388	2239
6.6		7339	7569
6.692		1880	1408
6.746	DCB	527685	545206
7.012		1339	506
7.045		4531	6969
7.256		935	628
7.292		1361	1141
7.482		1596	1086
7.621		976	982
7.703		1042	279
7.82		1039	1249
8.158		1561	693
8.184		1353	757
8.303		1254	389
8.467		1189	541
8.523		1594	655

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 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, 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: 07PCBS17292001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.618		2418	8409
1.844		1669	1247
1.924		6548	29404
2.009		5737	11982
2.042		23618	27705
2.129		66075	188174
2.403		4538	13406
2.677		88169	96877
2.749	TCX	599164	461612
2.922		3981	3522
2.97		8576	7225
3.037		8884	6357
3.086		4079	10482
3.147		2361	2240
3.245		16054	19403
3.321		25212	21876
3.37		14001	13505
3.406		15743	11185
3.454		2057	1147
3.518		10053	10937
3.563		26436	27753
3.637		17237	14250
3.671		156330	109695
3.696		71376	49083
3.736		3066	2350
3.805		99432	72781
3.829		6628	3587
3.852		17078	12006
3.883		25923	15402
3.901		27029	16880
3.943		11982	11122
3.985		10893	10790
4.016		24990	15403
4.039		338302	254563
4.065		27971	16392
4.086		27927	15498
4.104		51437	33464
4.142		290412	236508
4.176		104731	71869
4.196		74006	46408
4.258		23649	22828
4.295		120590	107544
4.354		225111	188708
4.389		57579	44590
4.418		386261	333792
4.458		29443	26753
4.514		197732	195185
4.552		24324	20184
4.586		233601	191751
4.611		33924	21094
4.655		158947	141267
4.761		156906	160983
4.815		160142	147903
4.857		42521	41088

4.897		281831	310323
4.946		19509	13661
4.97		7671	5063
5.09		10859	8886
5.126		13892	9719
5.151		84430	75913
5.201		11467	10813
5.236		9249	7363
5.271		6803	6442
5.298		32546	24387
5.319		27772	23036
5.395		10319	9631
5.578		38897	43165
5.739		10015	9845
5.805		14757	12986
5.853		5119	5178
5.955		2283	3867
6.159		6954	6594
6.319	DCB	502636	499640
6.798		3446	3219

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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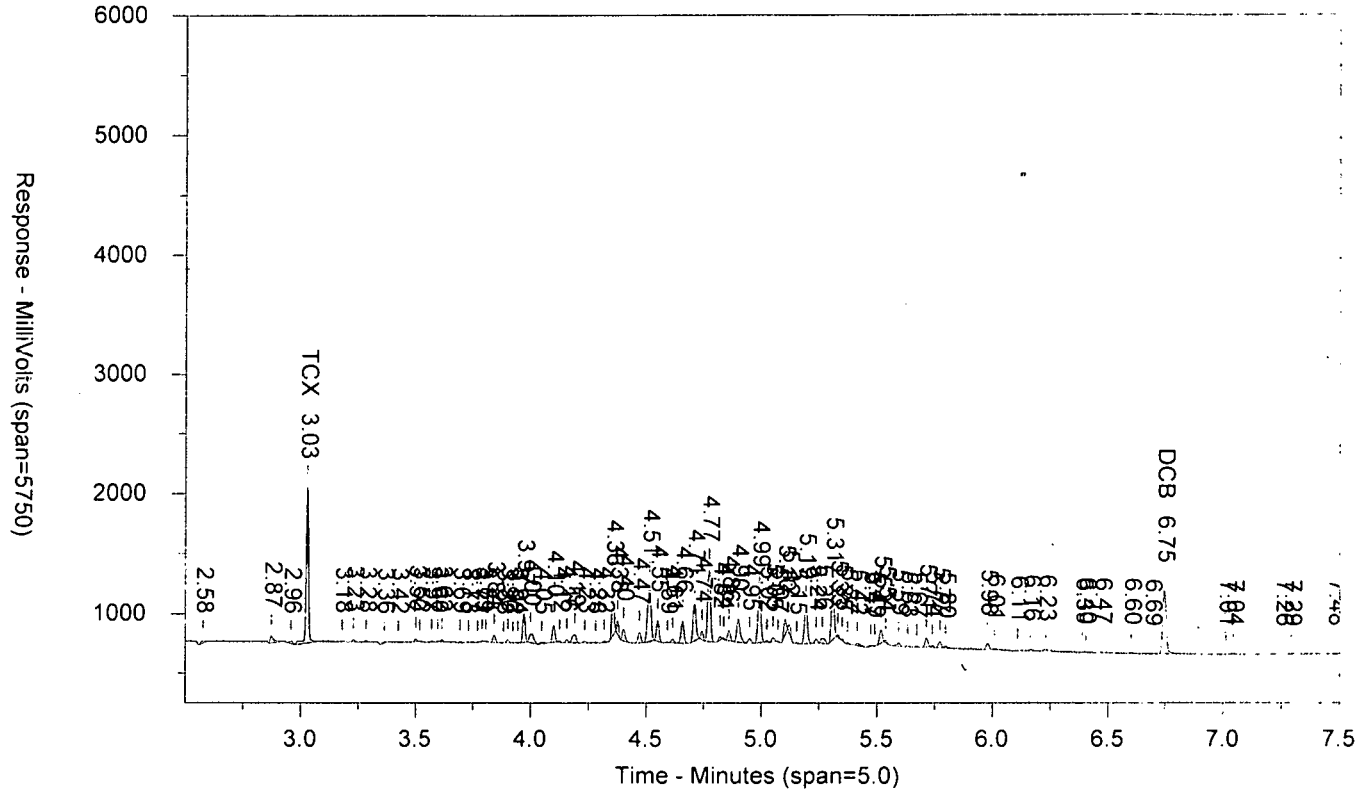

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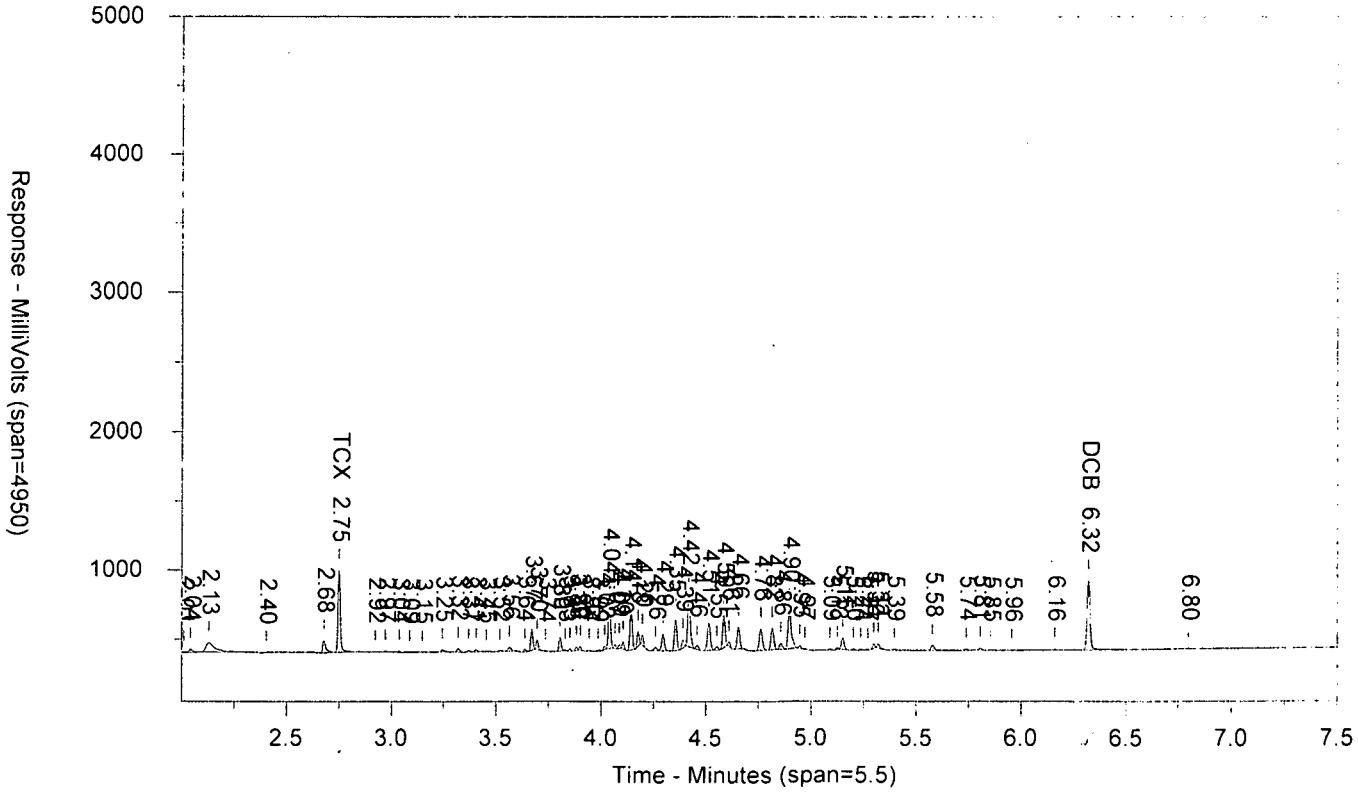

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	1304223	2.054	TCX	2.749	599164	1.974	TCX
6.746	527685	2.068	DCB	6.319	502636	2.178	DCB

Files:
Area File: 07PCBS17292001.0019.RAW
Area File: 07PCBS17292001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:07:29 PM
File Reported On: 10/22/2017 at 1:35:41 PM

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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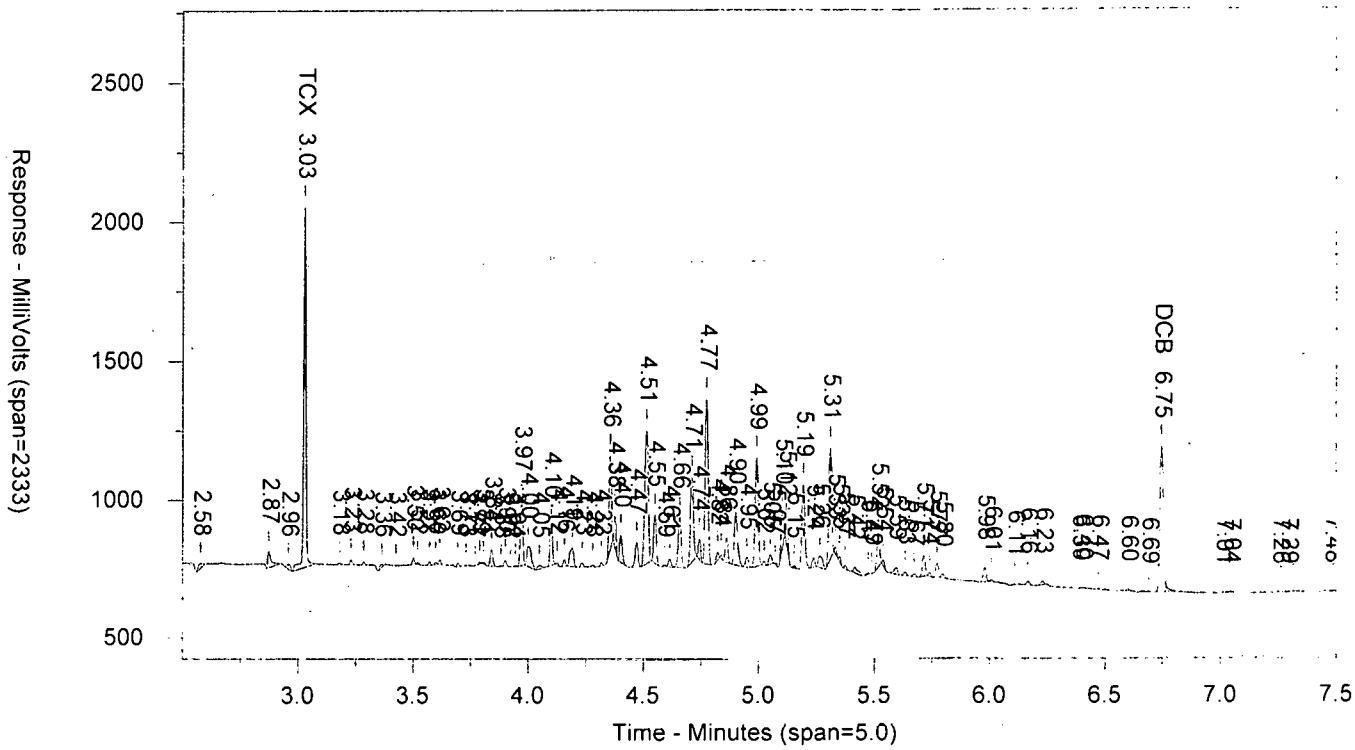

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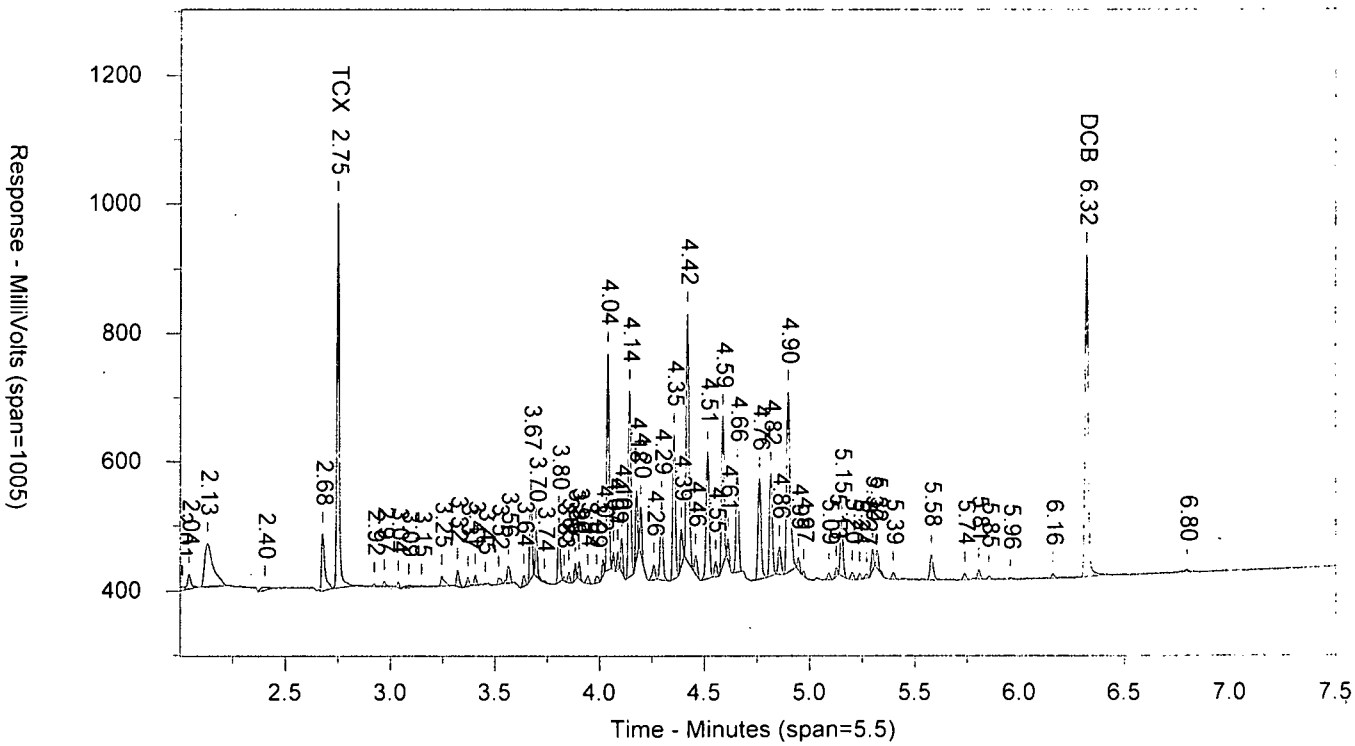

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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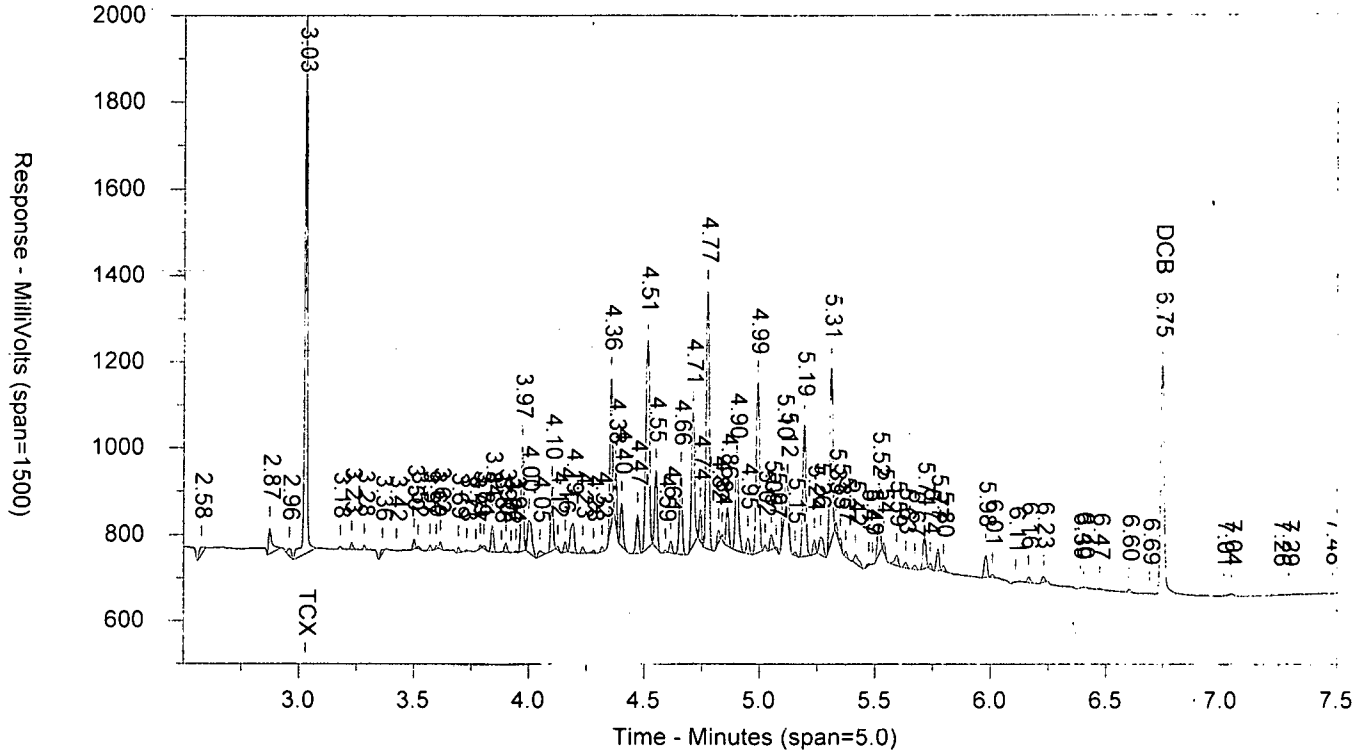

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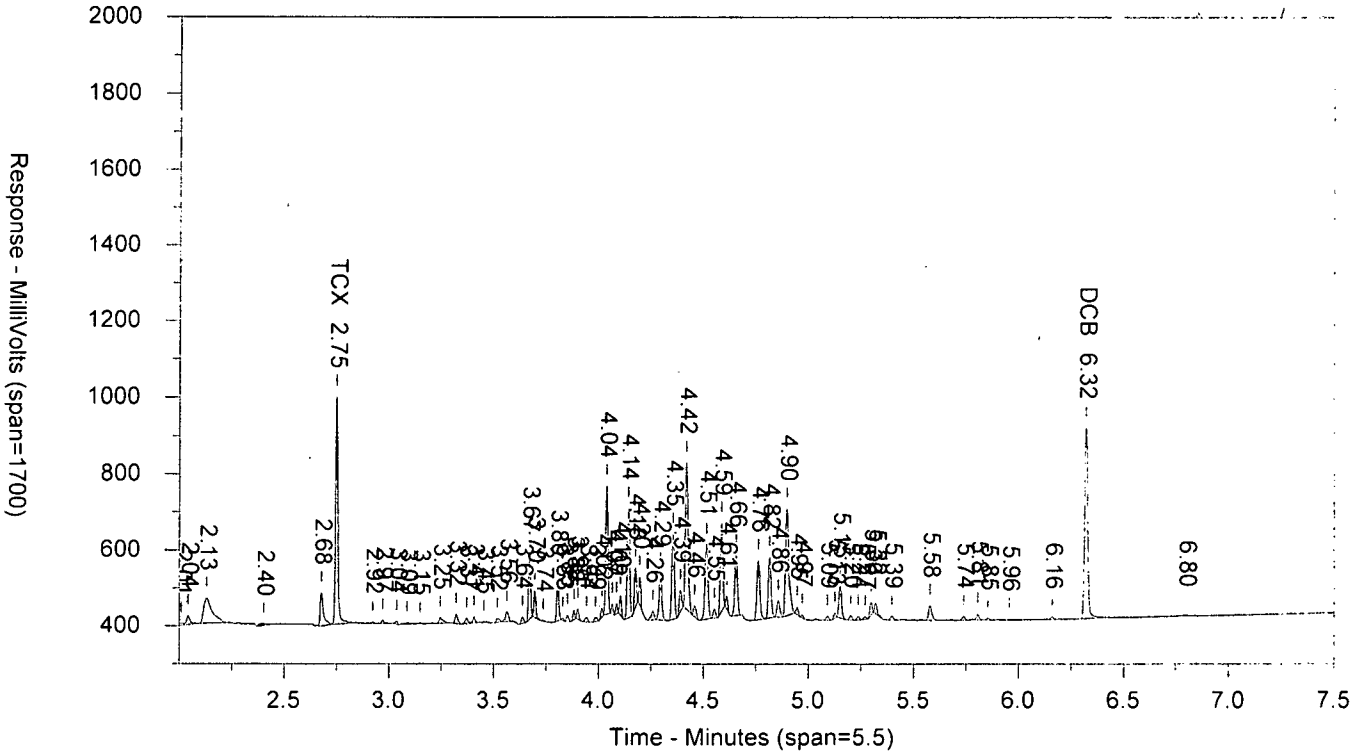

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 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: 07PCBS17292001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.685		16949	132148
1.809		1659	1229
1.903		1662	698
2.126		39519	72611
2.185		158221	418121
2.316		18474	23926
2.41		24217	14528
2.471		2132	2197
2.59		13098	34658
2.641		2375	1632
2.666		2515	1342
2.795		1548	1163
2.875		74207	67073
2.961		18641	20905
2.996		6245	11497
3.029	TCX	2375090	1578516
3.18		12423	10147
3.23		31605	24701
3.285		22308	16222
3.363		10367	9505
3.381		3384	1631
3.502		45005	28031
3.519		13574	11454
3.572		24878	19558
3.617		39472	26863
3.694		38273	24771
3.73		7168	4443
3.791		12600	6783
3.81		13784	11927
3.843		117145	92777
3.87		829	170
3.879		971	185
3.901		43121	33327
3.925		1523	293
3.945		7421	4546
3.972		452424	333602
4.001		139197	182414
4.049		14795	14596
4.1		272313	205701
4.126		17910	10545
4.157		48318	34544
4.192		129868	157867
4.235		29676	23362
4.265		1867	696
4.281		13405	8679
4.319		24448	17046
4.357		643752	460911
4.377		232842	135362
4.403		190876	149512
4.472		166679	144126
4.515		926587	961312
4.551		321183	260098
4.592		12348	8430

RT A	Compound A	Height A	Area A
4.616		55397	43720
4.659		339371	303279
4.712		584735	517870
4.744		142475	94924
4.775		1186763	1002346
4.823		50060	37289
4.838		20321	9886
4.861		172743	132881
4.901		356205	358032
4.95		67982	61910
4.992		749299	695090
5.025		30084	21540
5.051		66875	54881
5.073		13544	8645
5.103		251445	180414
5.12		138359	90351
5.153		13181	9886
5.193		564452	541119
5.238		61693	47339
5.264		73246	100925
5.31		741603	650887
5.332		46296	23408
5.349		32802	19506
5.375		23483	16196
5.417		33291	44288
5.469		2876	2206
5.488		2094	918
5.517		213538	170310
5.538		36536	23040
5.593		34292	30900
5.633		25692	22058
5.674		20108	17571
5.715		143957	123101
5.741		21793	15098
5.773		93517	77306
5.796		23917	18563
5.979		89549	84052
6.008		12079	10403
6.101		2895	1176
6.166		23788	21836
6.229		29604	26438
6.401		5551	6359
6.602		14589	15282
6.748	DCB	974225	1007510
6.912		1406	1055
7.042		1513	816
7.208		1668	647
7.223		1470	1427
7.408		946	1017
7.486		1386	844
7.929		1304	864
8.101		1753	577
8.192		1477	909
8.233		1496	592
8.319		1398	856
8.34		1308	821
8.443		1432	399
8.489		1813	515

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 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, 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: 07PCBS17292001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.608		6013	15437
1.664		3933	4576
1.903		2727	5418
2.043		19682	39374
2.129		75582	238810
2.395		4804	11733
2.659		4666	1964
2.677		114960	128959
2.749	TCX	1145593	872160
2.922		8847	6795
2.97		16068	12872
3.037		14457	9490
3.087		3697	7173
3.15		3554	2823
3.246		32046	36959
3.299		1472	772
3.321		20299	16590
3.371		26350	21861
3.406		31200	21052
3.453		3493	1905
3.467		4408	2586
3.518		15471	16683
3.549		4196	2099
3.564		48742	46791
3.639		31496	23243
3.671		286307	200766
3.696		134672	91892
3.733		5264	3070
3.805		181728	133669
3.829		13624	7163
3.852		32833	24086
3.883		48094	29667
3.9		48505	29368
3.944		22576	21057
3.989		19546	20906
4.016		43557	27522
4.039		603844	469581
4.065		51918	29174
4.086		53747	30611
4.105		95589	63606
4.143		541192	434801
4.177		193651	135047
4.196		139067	84761
4.259		42394	36993
4.295		216685	199808
4.355		419471	352993
4.39		101908	81262
4.419		710306	622845
4.459		54130	52065
4.515		368273	357280
4.553		46435	38991
4.587		444496	357046
4.611		61029	40228
4.656		303137	296878

4.762		282851	300470
4.816		307553	281757
4.857		78277	76617
4.898		523844	572697
4.946		37310	25755
4.97		14912	10711
5.036		6030	7592
5.091		23220	22288
5.127		26801	18768
5.151		161273	141374
5.202		22103	20170
5.237		17570	14277
5.272		12206	11273
5.298		64518	46888
5.319		53634	42266
5.396		22989	21521
5.536		3754	3257
5.579		71460	80423
5.738		20297	19767
5.779		2200	1202
5.805		27808	24547
5.853		9612	8917
5.96		4101	4563
6.16		12504	11399
6.319	DCB	888519	901471
6.795		3642	5084
8.63		3271	11682

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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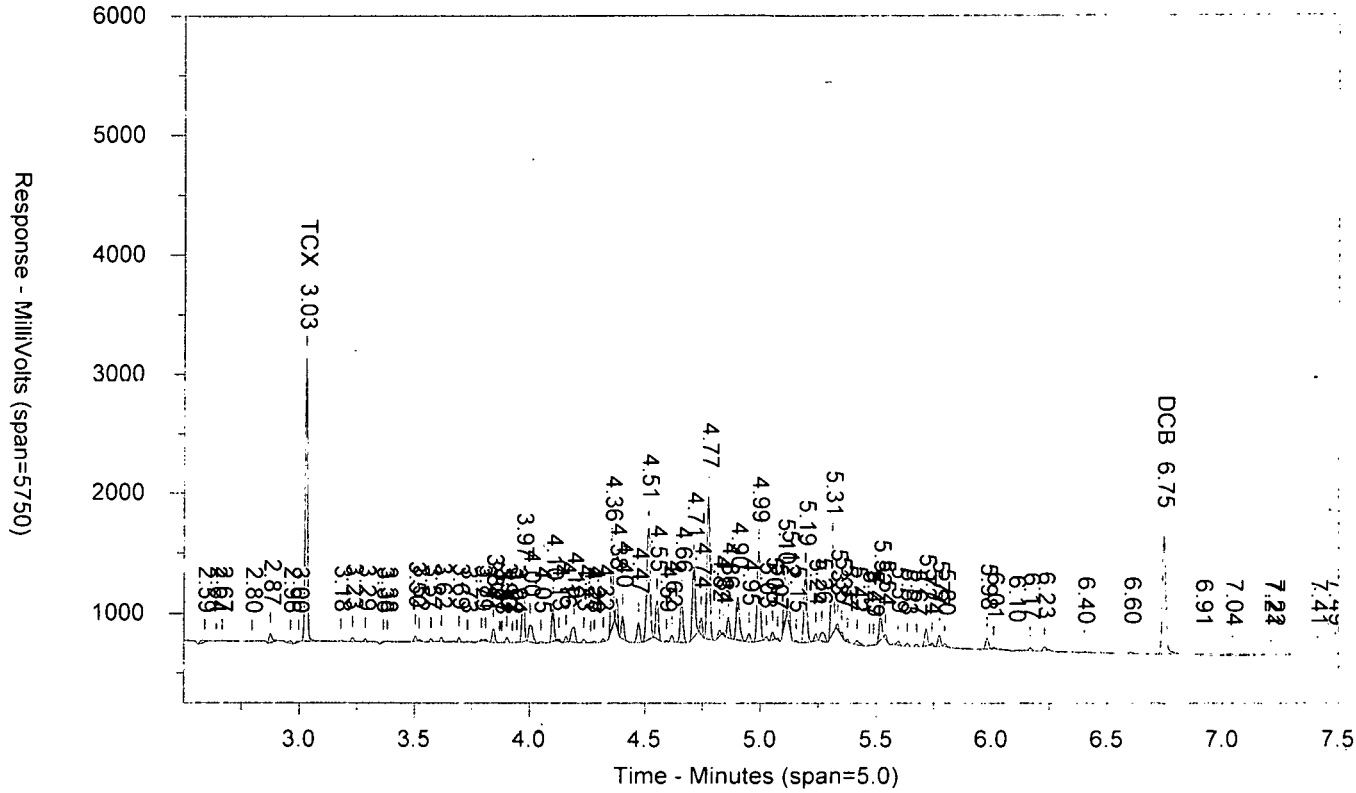

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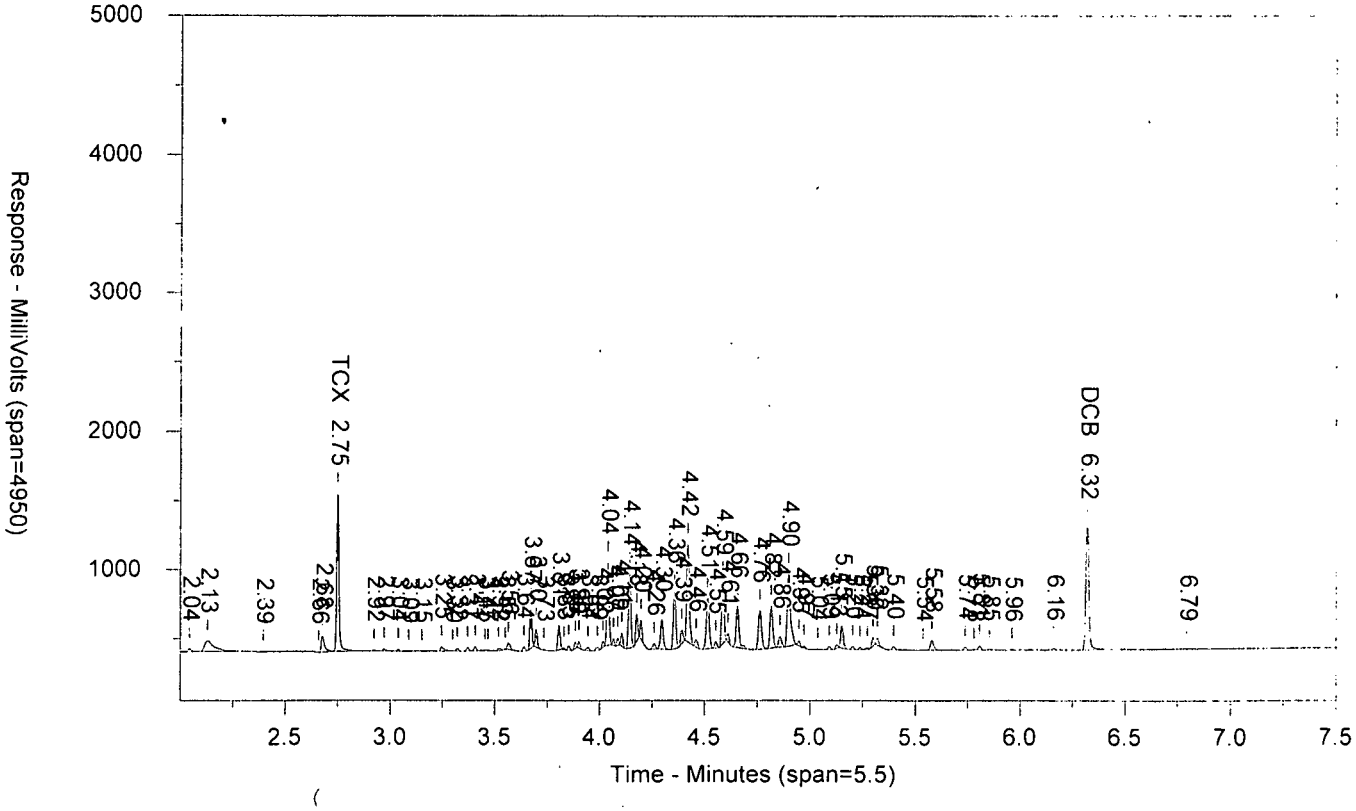

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	2375090	3.741	TCX	2.749	1145593	3.774	TCX
6.748	974225	3.817	DCB	6.319	888519	3.851	DCB

Files:
Area File: 07PCBS17292001.0020.RAW
Area File: 07PCBS17292001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:18:55 PM
File Reported On: 10/22/2017 at 1:35:51 PM

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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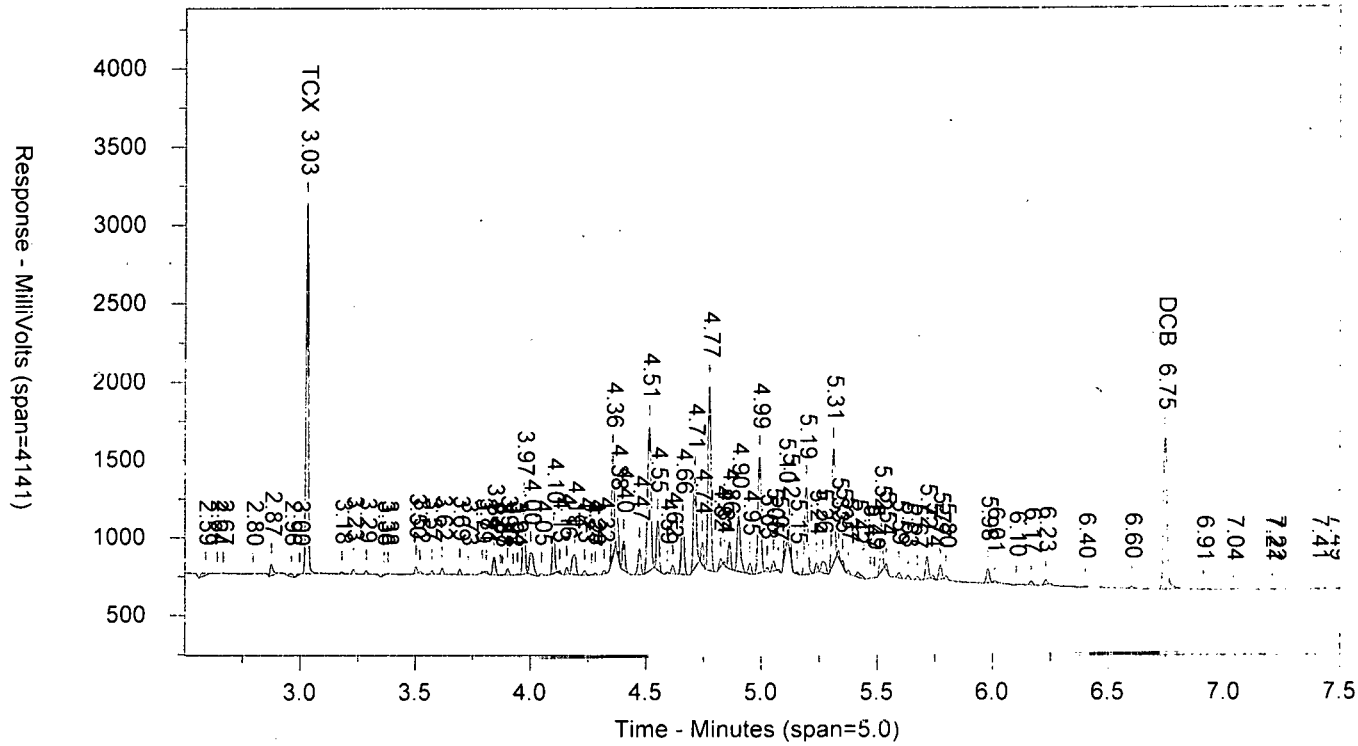

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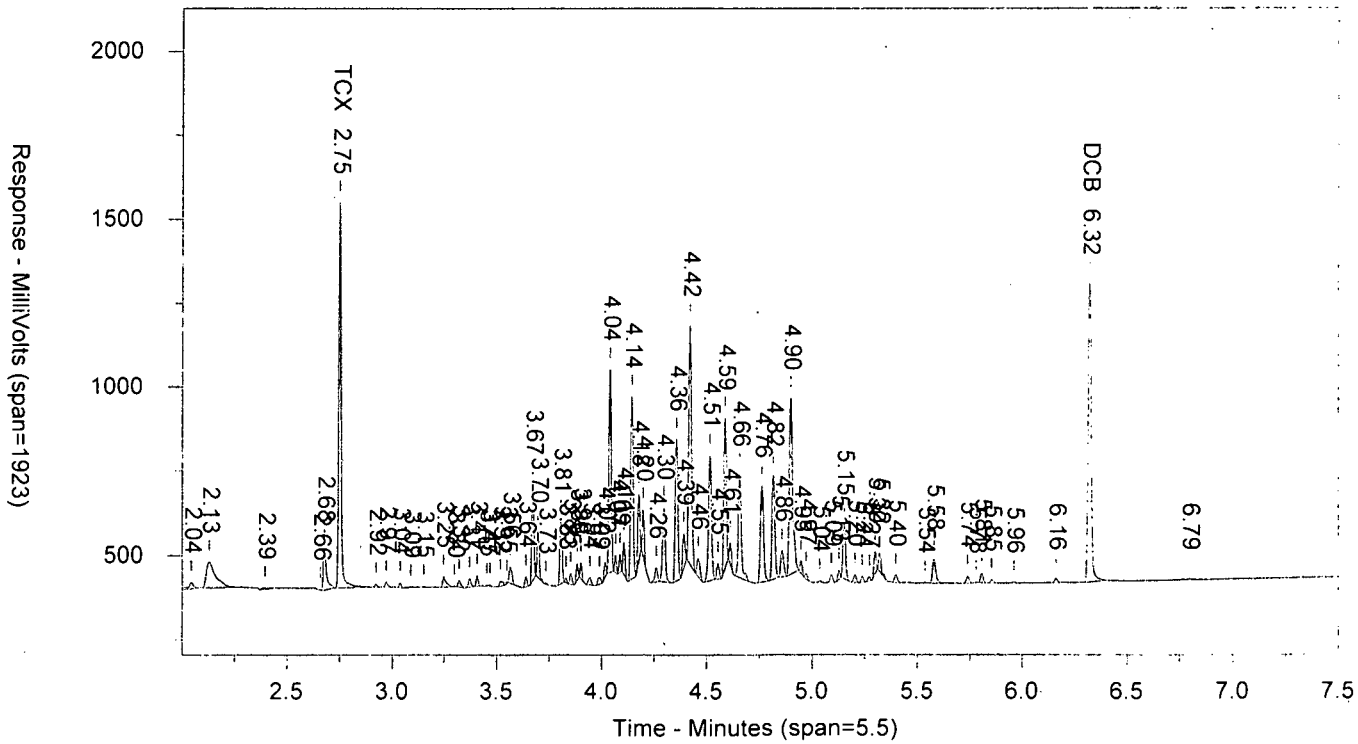

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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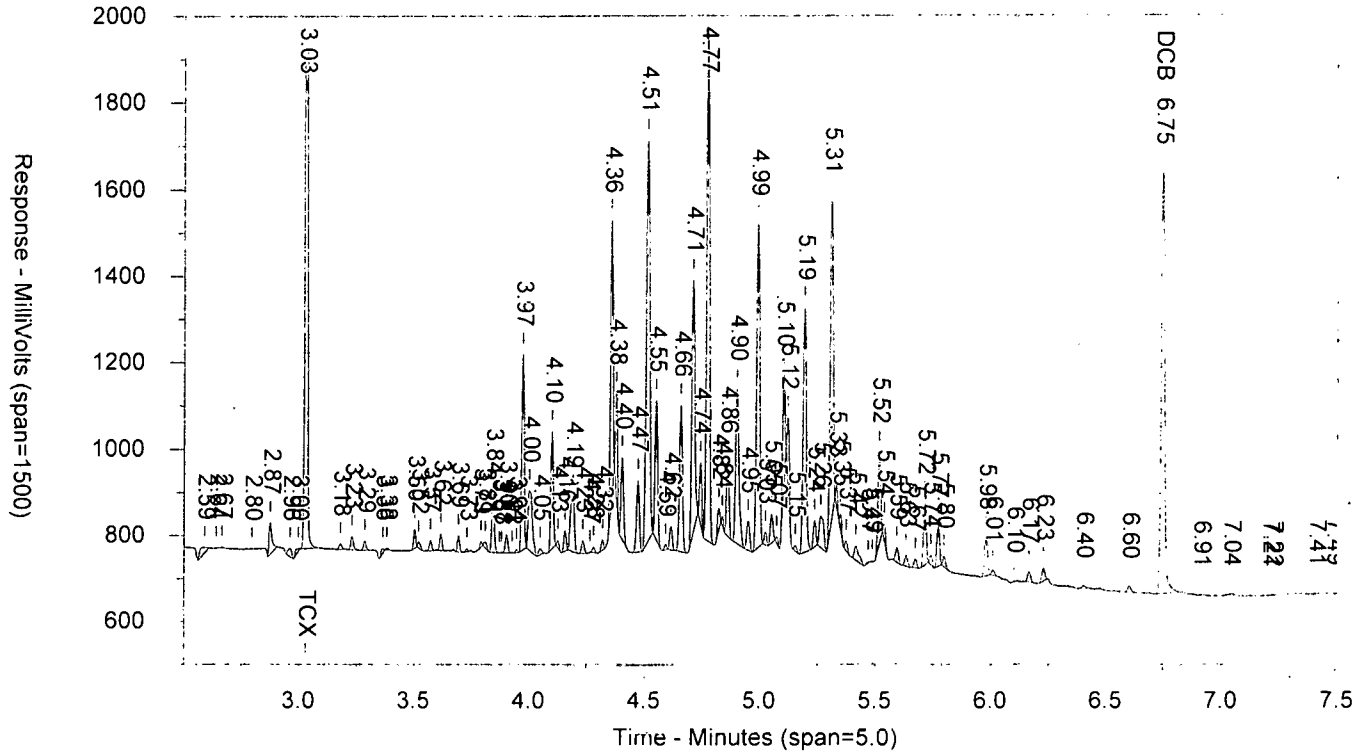

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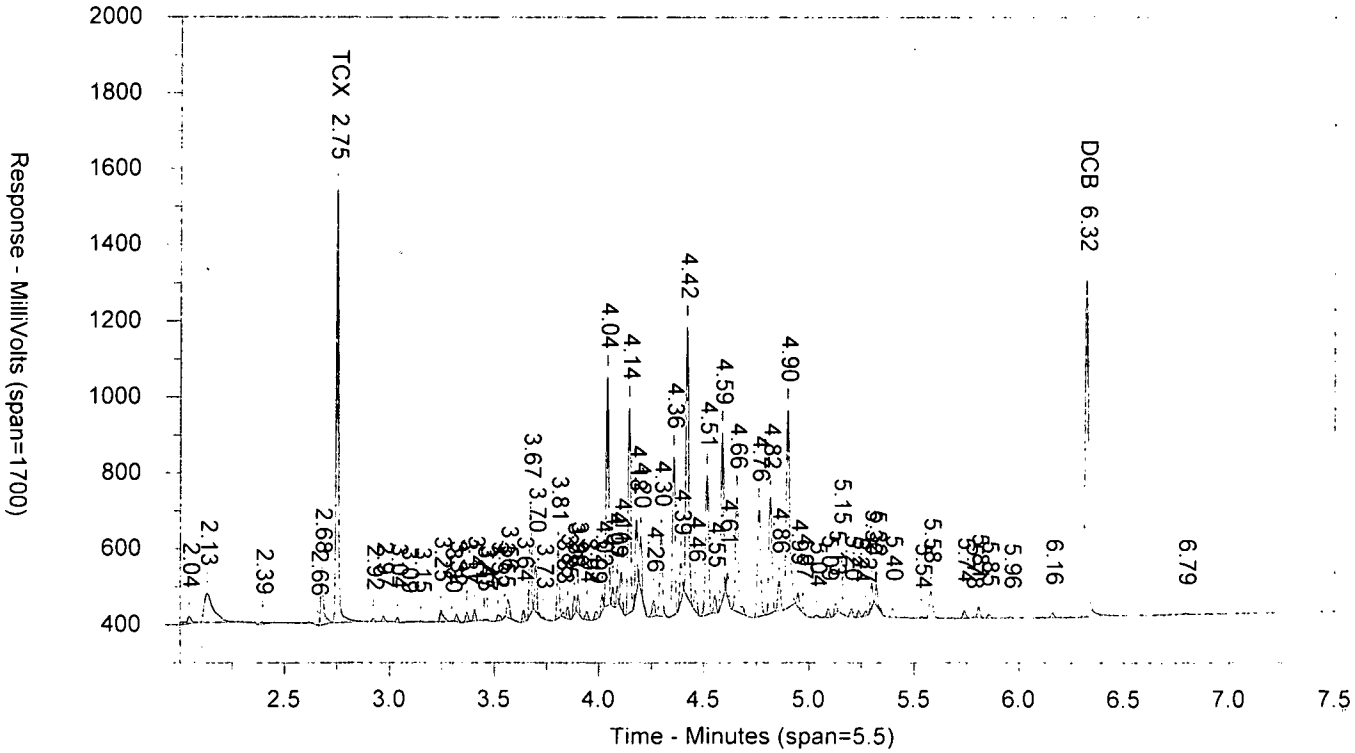

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 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: 07PCBS17292001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.691		9155	113280
1.825		2284	2385
1.956		2185	2868
2.043		1802	871
2.12		31826	52534
2.183		119088	273945
2.239		18634	23754
2.316		23152	18416
2.41		33768	22427
2.427		10195	6710
2.462		2227	1346
2.593		9417	26117
2.668		3847	3639
2.875		58570	52722
2.959		11979	12884
3.028	TCX	5061589	3360709
3.18		23822	19007
3.23		63470	46951
3.285		39053	27530
3.362		14506	9796
3.38		8237	5205
3.502		85687	51189
3.52		25634	19772
3.572		48767	33499
3.6		9951	4964
3.618		71190	46270
3.673		9065	6019
3.693		84984	56344
3.729		12884	8240
3.745		5133	2721
3.79		26548	13492
3.809		22796	21901
3.843		219070	170810
3.882		1597	352
3.901		83161	62367
3.945		14181	9284
3.972		866777	631123
4.001		253644	329400
4.049		19335	18754
4.101		528980	388790
4.126		31837	19613
4.157		89891	63454
4.191		240595	297964
4.235		53454	43391
4.282		26783	25343
4.32		43706	31332
4.357		1230398	886075
4.377		462557	271555
4.403		345153	281529
4.472		327737	276763
4.515		1824666	1845679
4.551		620667	498152
4.593		21427	14573

RT A	Compound A	Height A	Area A
4.616		105825	80811
4.659		647985	573791
4.712		1156138	1002511
4.744		261233	178352
4.775		2237816	1967227
4.823		105669	71379
4.838		41322	20478
4.861		331446	255635
4.901		699554	686239
4.95		134952	117908
4.992		1472967	1359142
5.025		49491	36616
5.051		122015	98580
5.074		26194	15728
5.103		476267	347282
5.12		260787	166997
5.152		20955	15662
5.193		1152599	1061462
5.238		122218	91728
5.264		148558	198215
5.311		1437849	1281281
5.333		98039	49621
5.35		63631	34517
5.374		35978	25800
5.416		57300	71468
5.468		2864	2000
5.492		2153	1267
5.518		398280	328513
5.538		78155	45871
5.594		59345	51544
5.633		48470	46355
5.674		38613	37508
5.715		274730	240359
5.741		42824	28776
5.772		178346	150441
5.797		38263	27801
5.979		171657	156776
6.01		26167	25144
6.109		1570	865
6.167		45090	44779
6.231		55064	50198
6.404		9934	10971
6.474		5726	5785
6.603		27984	26627
6.749	DCB	1971657	2043925
6.911		1616	616
7.03		1608	661
7.043		1575	760
7.301		1462	422
7.34		1561	795
7.366		1611	1299
7.491		995	1407
7.588		1279	527
7.683		1352	517
7.695		1738	461
7.745		1682	916
7.911		1155	721
8.046		1268	431
8.172		1818	2311
8.23		1186	616
8.251		1360	433

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 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, 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: 07PCBS17292001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.653		4631	27410
1.908		6046	18126
2.011		2481	5698
2.043		21896	26251
2.13		63518	185620
2.397		3076	5761
2.677		91740	100929
2.749	TCX	2391005	1788038
2.922		16069	12335
2.97		31641	27115
3.037		24792	17020
3.088		5038	4393
3.149		5927	4764
3.246		61539	67169
3.299		2306	1287
3.322		49715	40490
3.371		47551	37247
3.407		60129	40615
3.433		5461	2814
3.453		6404	3278
3.468		5609	3028
3.519		27864	29110
3.549		8624	4029
3.564		86636	80164
3.639		57217	41446
3.672		533748	366756
3.696		244550	166394
3.734		10221	6929
3.805		336432	250088
3.83		23251	12392
3.852		63261	43798
3.884		88015	52591
3.901		87065	53264
3.944		41917	39404
3.988		36731	38875
4.016		88438	54824
4.039		1164363	879195
4.065		93669	53257
4.086		96066	55286
4.105		177263	119023
4.142		1008847	810170
4.177		357972	253540
4.196		258353	158203
4.259		77396	62984
4.295		404598	372389
4.355		813291	671015
4.39		193488	147463
4.418		1358789	1184043
4.459		102034	100232
4.515		688779	669862
4.553		92633	75501
4.586		855945	691776
4.611		118765	73825
4.656		561696	480168

4.682		17302	10698
4.762		547647	569493
4.816		611602	552476
4.857		151866	146991
4.897		1026480	1098863
4.946		69687	48514
4.97		28024	19143
5.036		10970	13613
5.09		49034	47122
5.127		48147	35115
5.151		302237	270152
5.202		42264	38630
5.237		33805	27847
5.271		25020	22788
5.298		124511	92023
5.32		97032	80466
5.396		46394	43045
5.536		5650	5014
5.578		136494	151619
5.738		38332	35763
5.781		4658	3302
5.806		54531	48534
5.854		18751	18657
5.959		7713	7146
6.159		23830	23148
6.32	DCB	1774376	1853607
6.798		3241	4034

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

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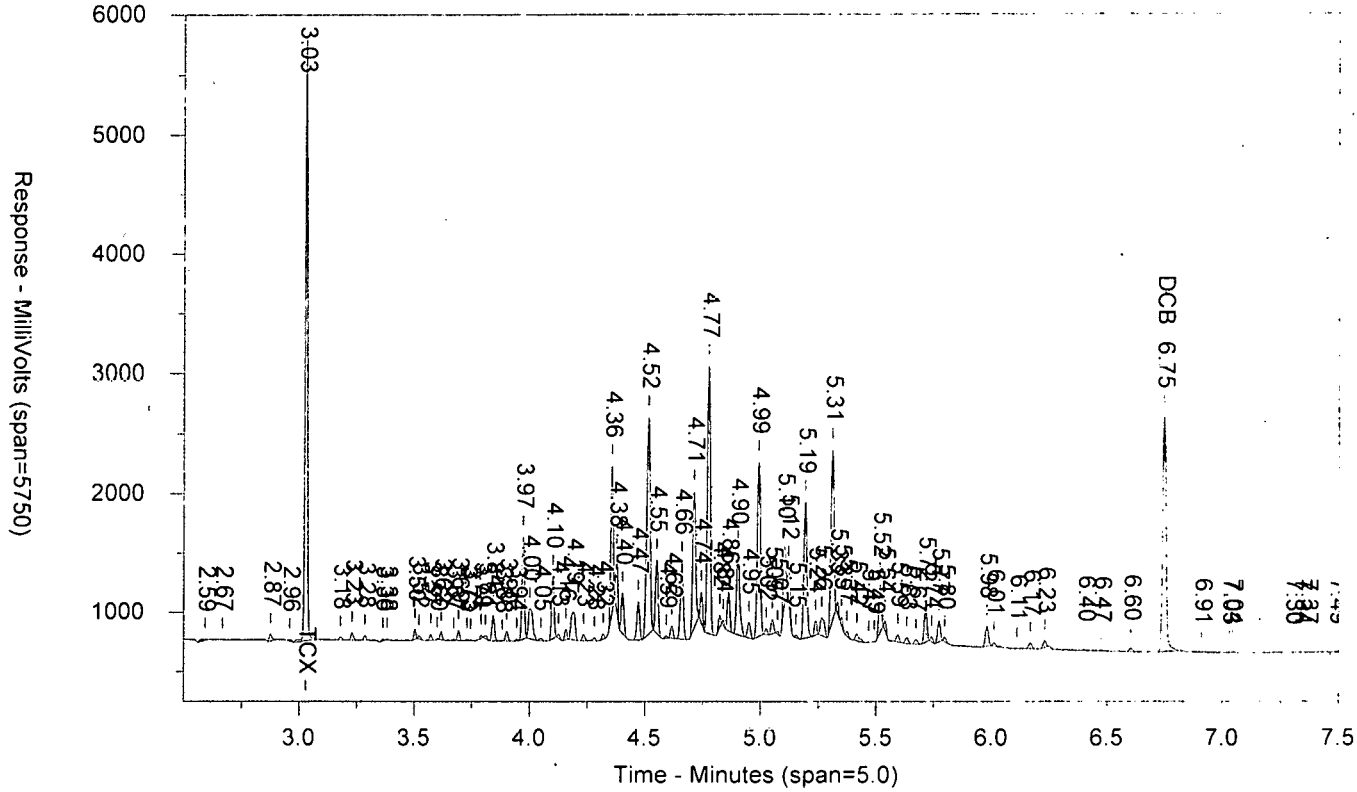

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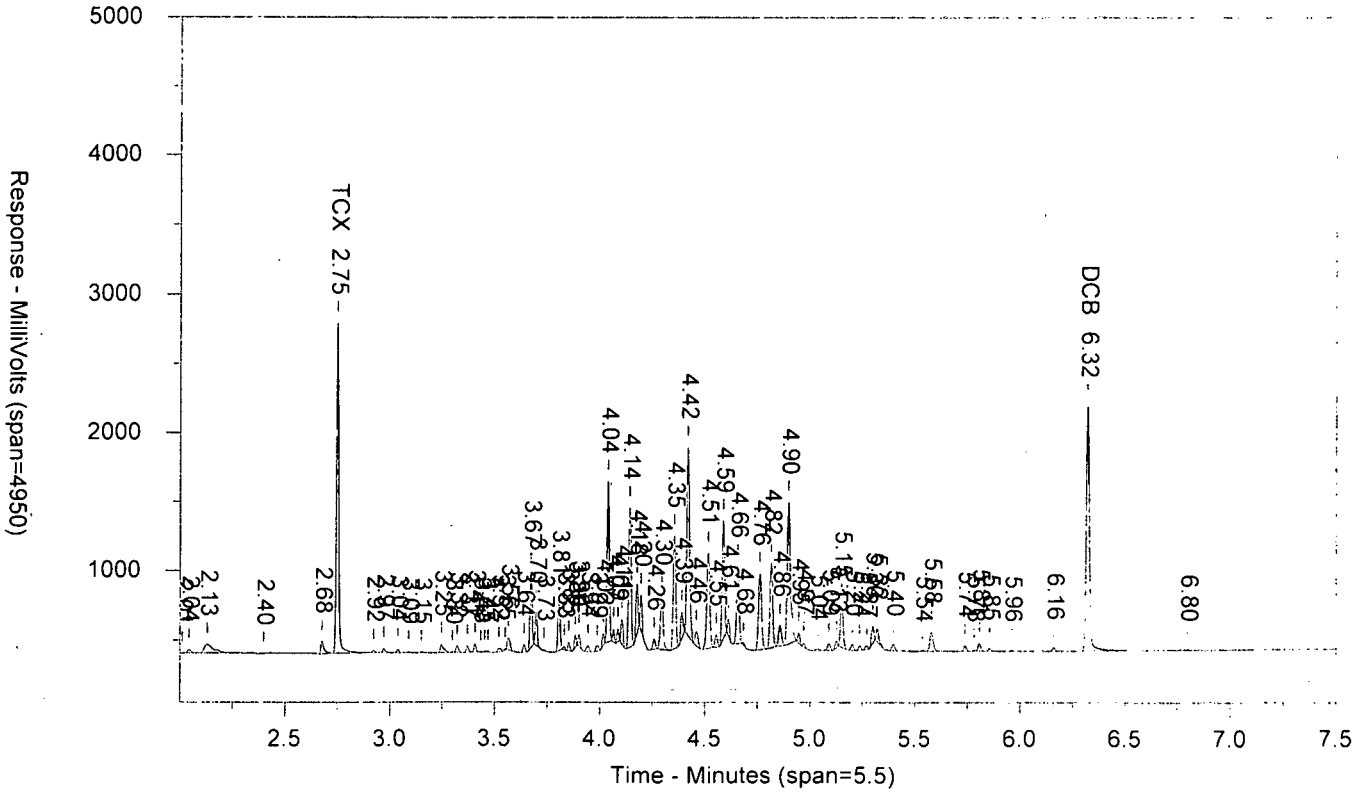

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	5061589	7.972	TCX	2.749	2391005	7.877	TCX
6.749	1971657	7.725	DCB	6.32	1774376	7.69	DCB

Files:
Area File: 07PCBS17292001.0021.RAW
Area File: 07PCBS17292001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:30:21 PM
File Reported On: 10/22/2017 at 1:36:01 PM

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

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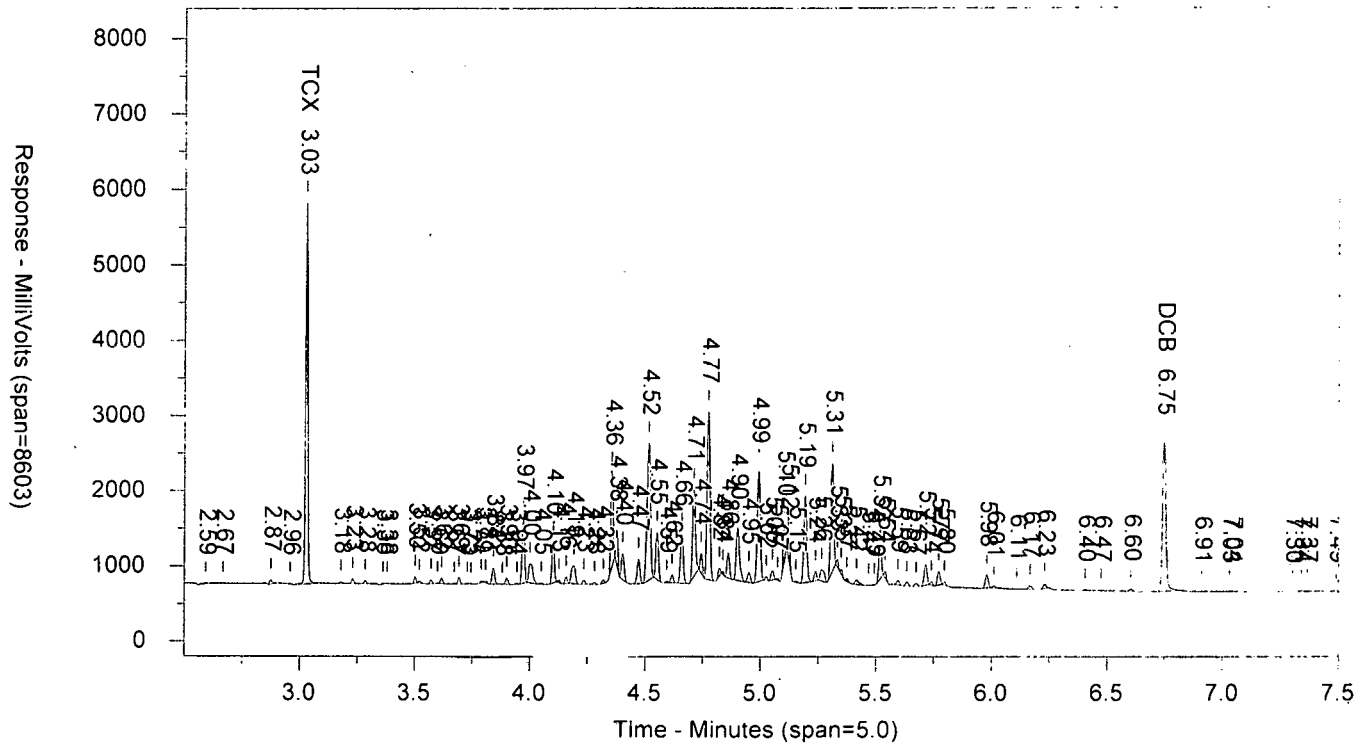

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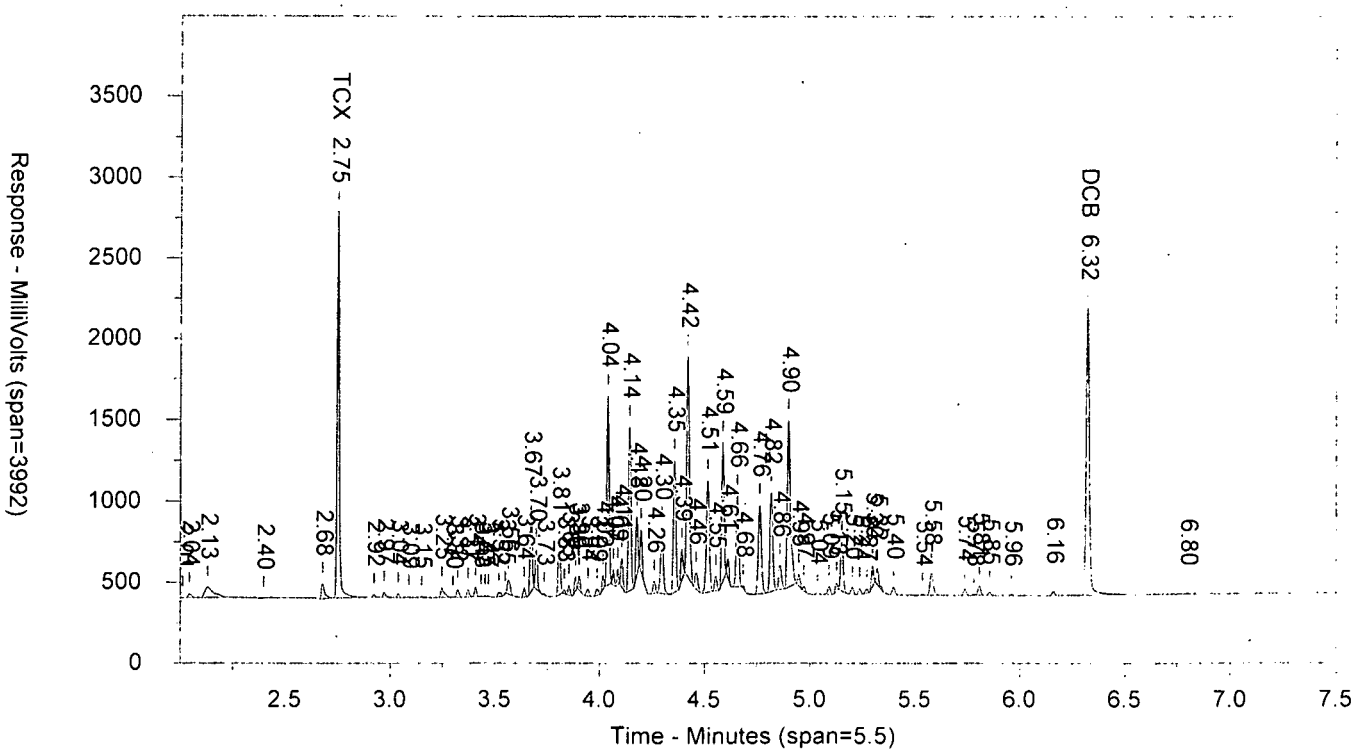

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

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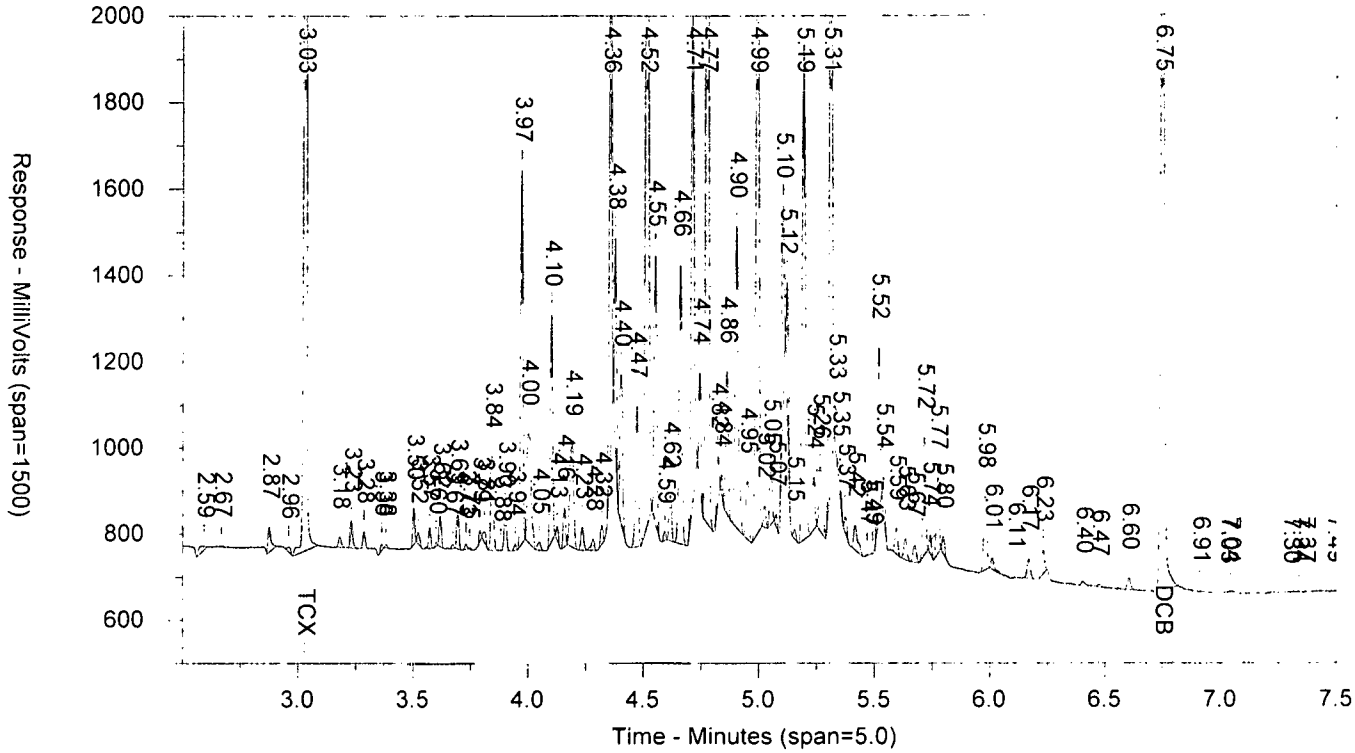

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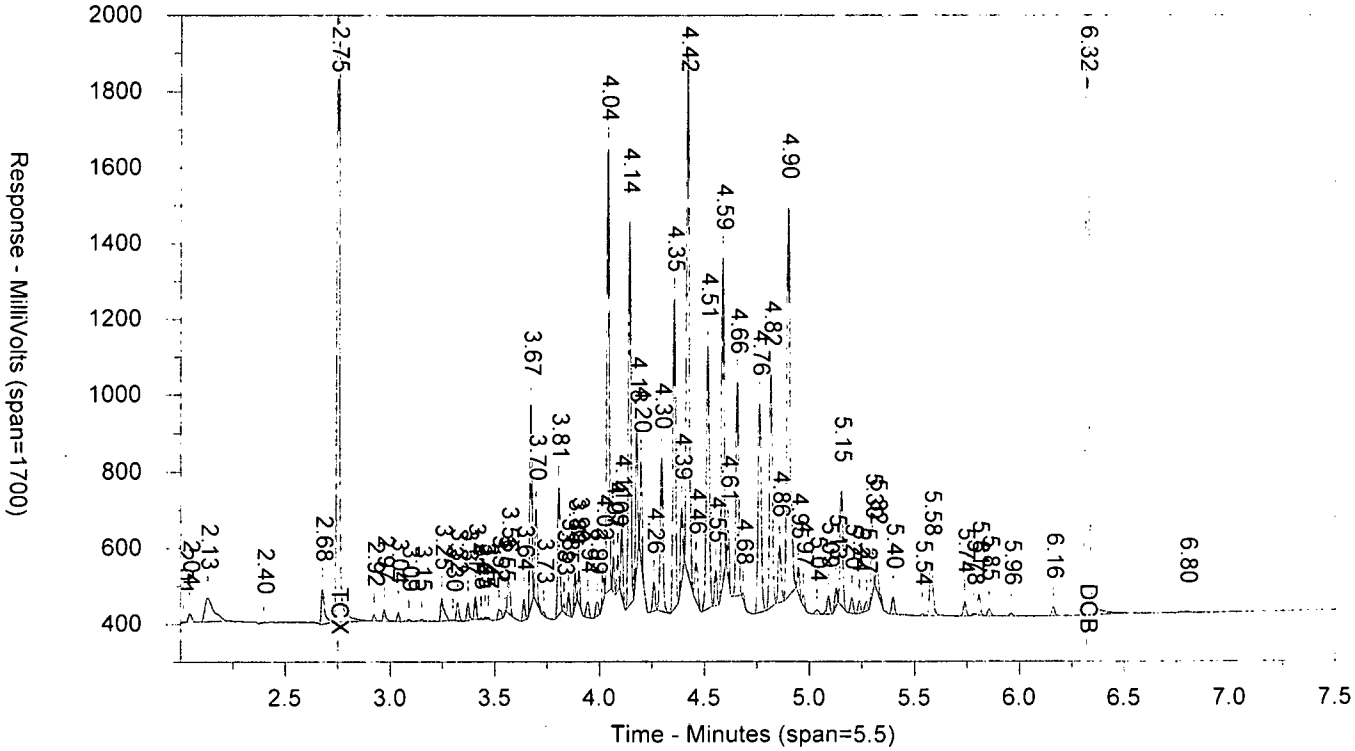

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 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: 07PCBS17292001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.675		15045	110820
1.808		2245	1209
2.123		47043	85918
2.185		164243	506114
2.316		64692	56224
2.41		29341	20138
2.426		23532	16680
2.47		3051	2335
2.589		13001	33073
2.665		7865	7183
2.875		60516	49309
2.962		22270	22564
3.029	TCX	13084660	8555541
3.18		48813	39068
3.23		152536	110210
3.285		85426	59579
3.362		35583	24717
3.381		18021	12149
3.503		178107	108912
3.52		53640	41450
3.556		4683	1923
3.573		90313	57345
3.618		163092	117285
3.674		22525	15421
3.694		152279	100809
3.73		25607	15648
3.746		9949	4661
3.791		63429	33564
3.805		42245	49642
3.843		434968	342826
3.902		180051	133541
3.93		756	338
3.945		28287	18342
3.973		2202871	1591739
4.001		610264	748180
4.051		38576	36981
4.101		1337999	986549
4.127		82441	48481
4.158		198073	140431
4.193		599086	676356
4.236		129593	101464
4.282		51909	52511
4.321		108814	76498
4.359		3340134	2317862
4.378		1115560	648767
4.404		917611	728792
4.472		852092	700817
4.516		4750632	4823511
4.552		1618642	1316947
4.593		56210	37588
4.617		271785	209863
4.66		1604720	1444308
4.712		3109275	2683717

RT A	Compound A	Height A	Area A
4.745		739819	486208
4.775		6085172	5303180
4.824		270189	190706
4.838		97790	48898
4.861		865186	656910
4.901		1815010	1810317
4.951		363511	313972
4.993		4040768	3677517
5.025		120995	85997
5.052		328007	262756
5.075		78305	48958
5.104		1257017	890687
5.121		836069	515824
5.155		50975	38659
5.194		3132650	2918059
5.24		327563	246505
5.265		354120	487824
5.31		3991745	3484523
5.333		269507	130433
5.351		182612	94816
5.375		110432	74799
5.417		148097	180973
5.473		3990	5402
5.493		6410	4539
5.518		1092123	877733
5.538		182288	109220
5.595		138237	120480
5.634		124385	110747
5.674		79379	72071
5.716		729433	633434
5.741		105849	72772
5.774		442293	380068
5.798		76084	52910
5.98		440280	398924
6.009		66231	65786
6.108		3101	3457
6.167		100981	101909
6.23		115895	105205
6.404		24008	26438
6.471		2972	2510
6.569		2391	1087
6.603		61365	64142
6.748	DCB	4816154	5150758
7.045		4671	9123
7.225		4274	5902
7.421		1051	681
7.436		1346	383
7.595		1301	1289
7.677		1098	955
7.804		1424	461
8.071		1552	577
8.143		1202	677
8.393		1085	274
8.464		1320	525

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 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, 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: 07PCBS17292001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.624		2964	12190
1.894		3309	5759
2.01		6835	16241
2.049		36525	45833
2.131		65385	128269
2.178		10442	8534
2.397		4425	8696
2.432		3821	3966
2.656		3003	1507
2.677		96621	109579
2.749	TCX	6285073	4555215
2.922		32350	25742
2.97		78809	62368
3.037		51198	32852
3.064		1150	927
3.088		12502	8834
3.15		11962	9333
3.246		126396	140352
3.297		4701	2583
3.32		69184	52557
3.371		98952	78684
3.407		113683	78318
3.434		14964	7543
3.453		13156	6921
3.467		6783	3196
3.519		64502	70458
3.549		20647	10027
3.564		167081	155112
3.639		115734	86422
3.672		1273687	881342
3.696		527818	355203
3.734		17110	10927
3.806		799989	600218
3.83		56134	29729
3.852		129197	94868
3.884		166894	96912
3.901		228862	145297
3.944		95603	88345
3.986		81011	83628
4.017		214120	132638
4.04		2991758	2237516
4.066		235349	135771
4.087		241764	137494
4.106		436716	296147
4.143		2625199	2049507
4.177		851899	583439
4.197		592853	368305
4.26		189353	149408
4.296		1004715	894489
4.356		2098507	1742139
4.39		497852	384318
4.419		3742233	3124704
4.459		258560	239532
4.516		1721657	1669009

4.553		229029	188010
4.587		2318512	1843518
4.612		295644	190517
4.656		1417264	1218084
4.683		44913	28160
4.762		1340286	1409002
4.817	(3)	1623458	1490947
4.857		376680	362982
4.898		2739744	2887284
4.947		180488	125524
4.971		70365	50174
5.035		29960	33911
5.091		123522	117944
5.127		117043	83464
5.152		778725	687462
5.202		105760	94993
5.238		82762	68745
5.271		52019	49269
5.299		338587	247441
5.32		236023	195441
5.397		89153	83079
5.535		13986	11912
5.579		338559	385203
5.738		80331	78586
5.78		11802	8198
5.806		110938	99054
5.855		39459	37309
5.96		18632	17553
6.16		54824	51463
6.32	DCB	4386308	4448747
6.766		3042	2470

(3) 472855 22OCT17

AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

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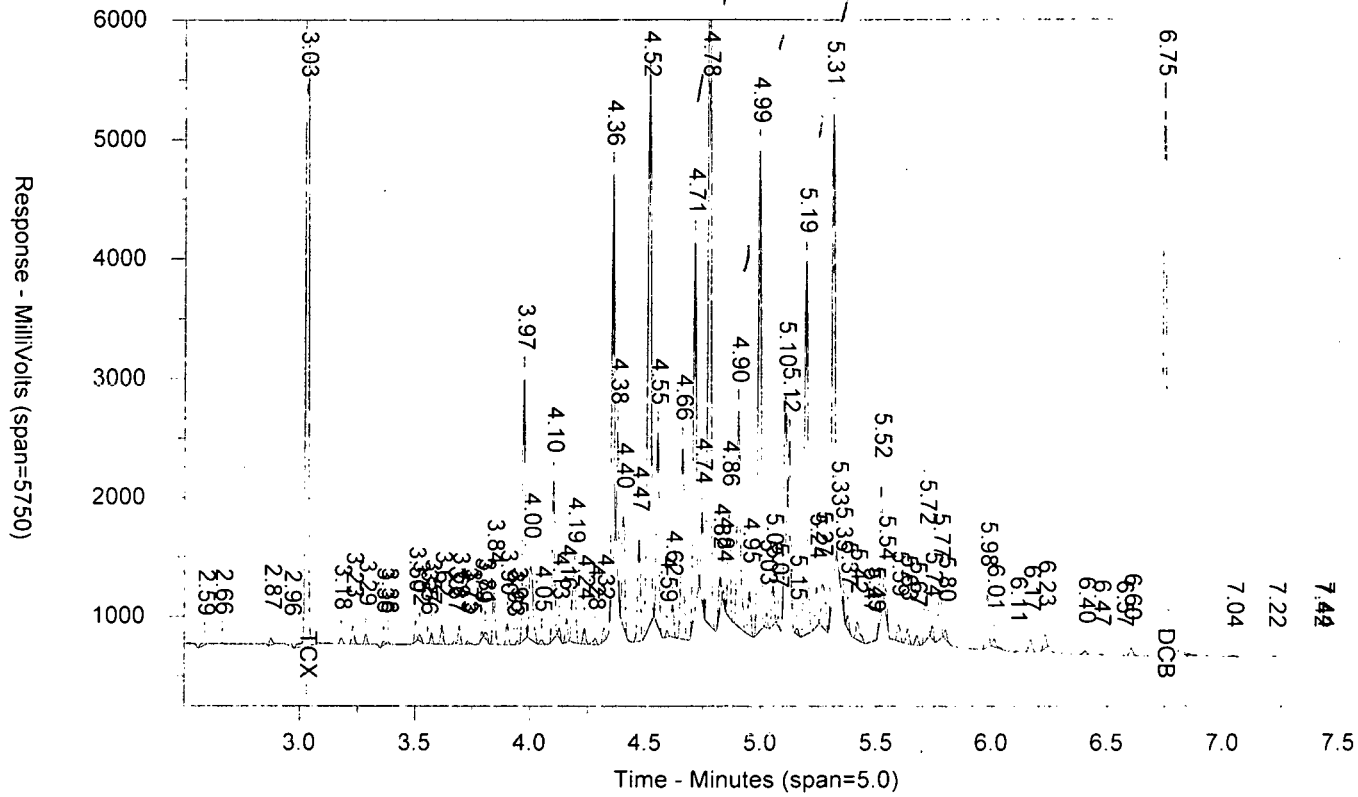

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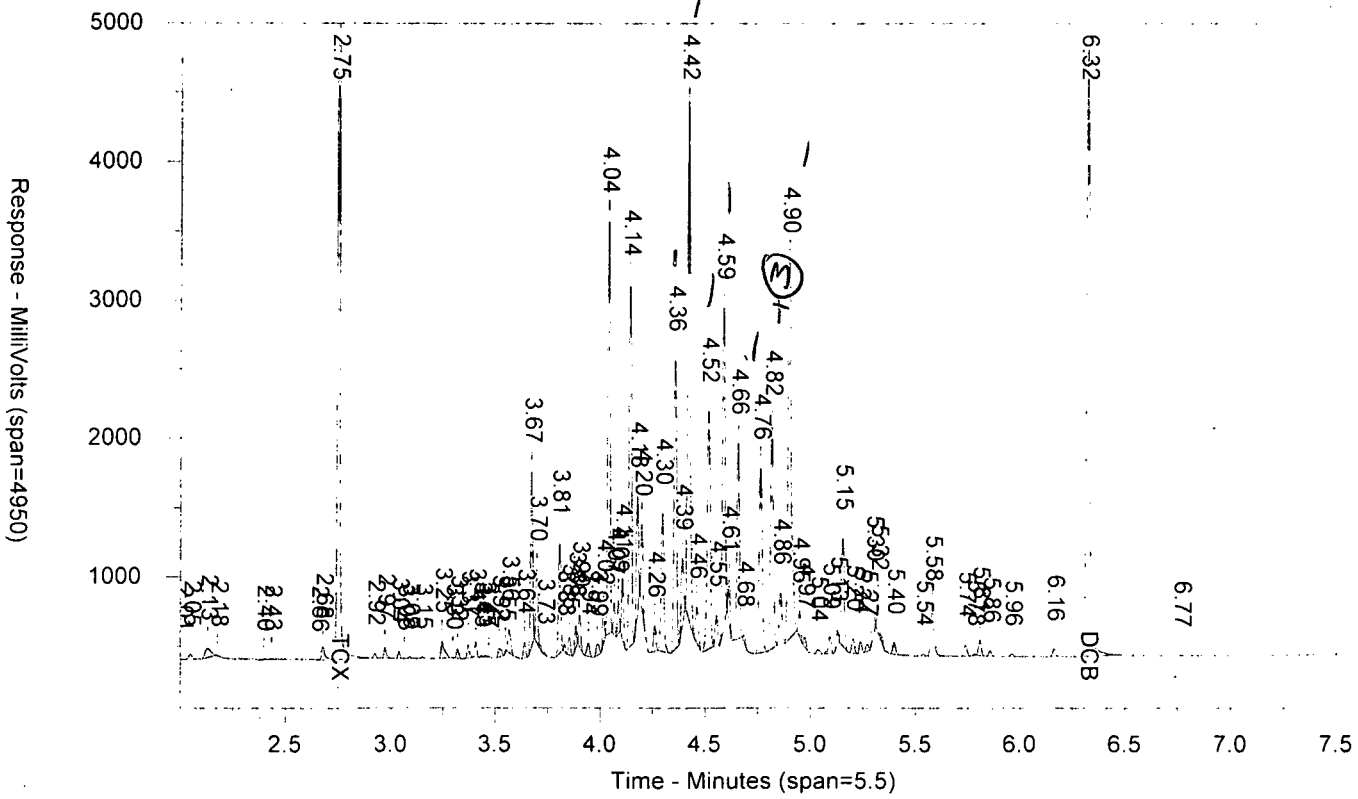

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	13084660	20.607	TCX	2.749	6285073	20.705	TCX
6.748	4816154	18.87	DCB	6.32	4386308	19.01	DCB

Files:
Area File: 07PCBS17292001.0022.RAW
Area File: 07PCBS17292001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:41:49 PM
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AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

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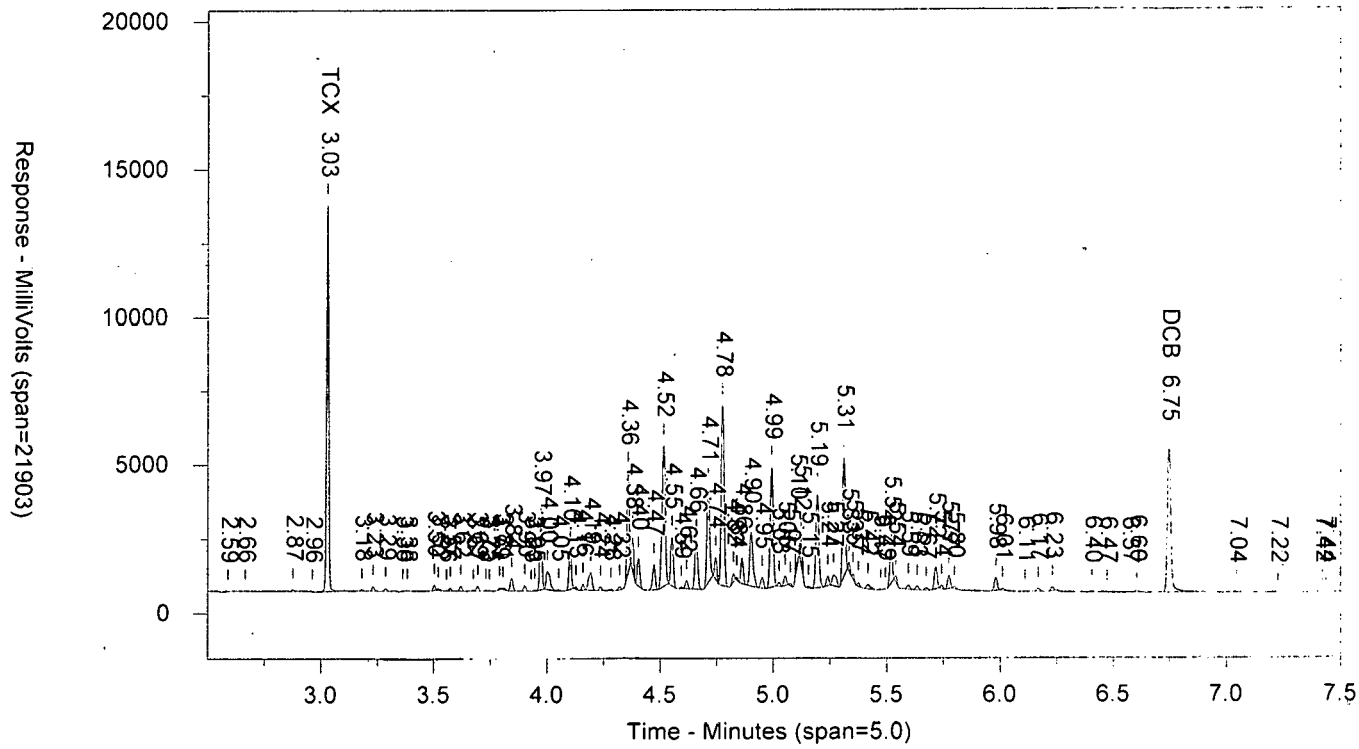

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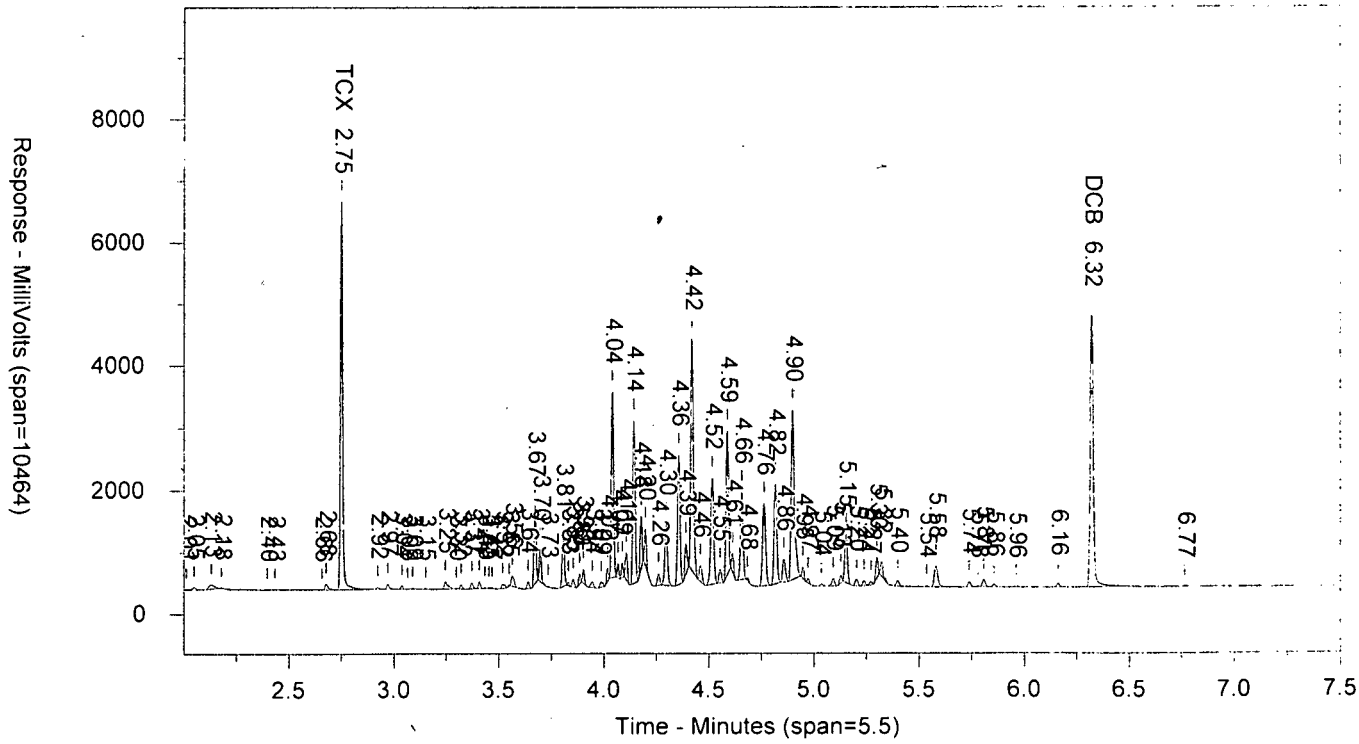

AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

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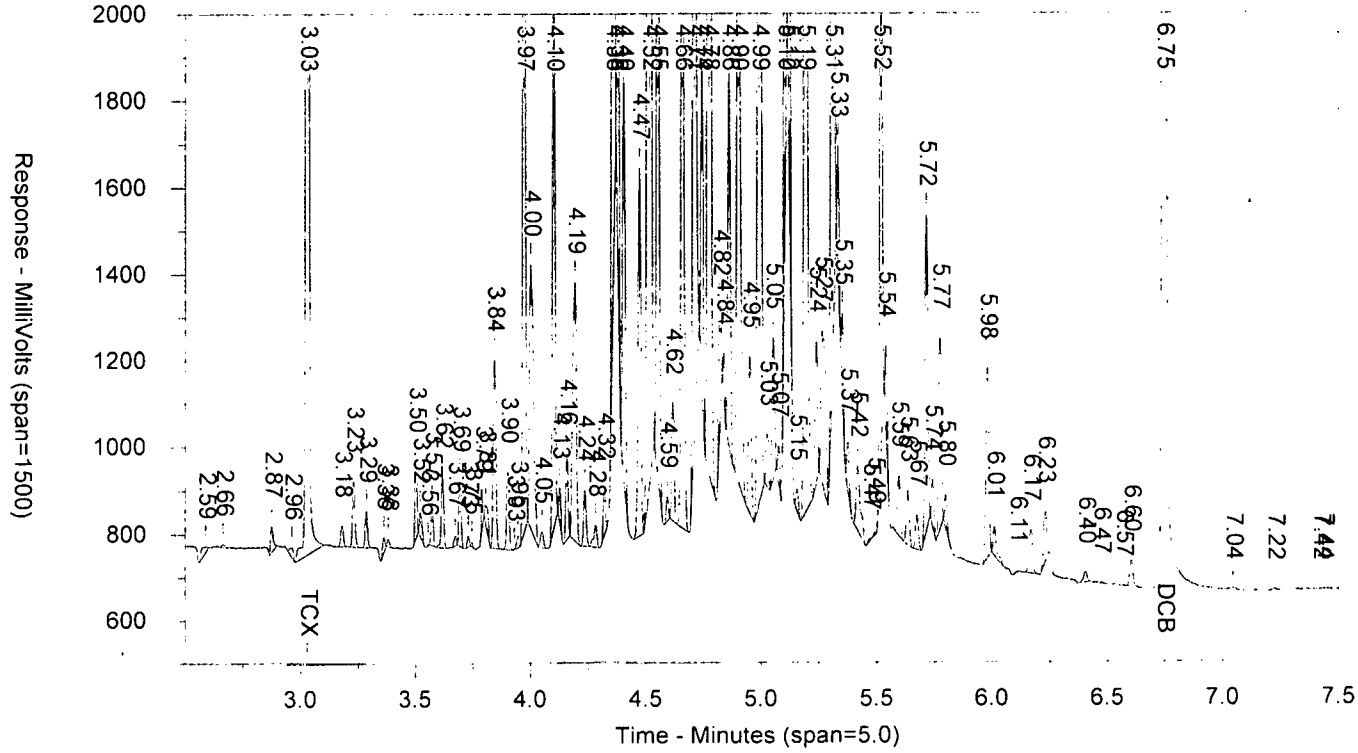

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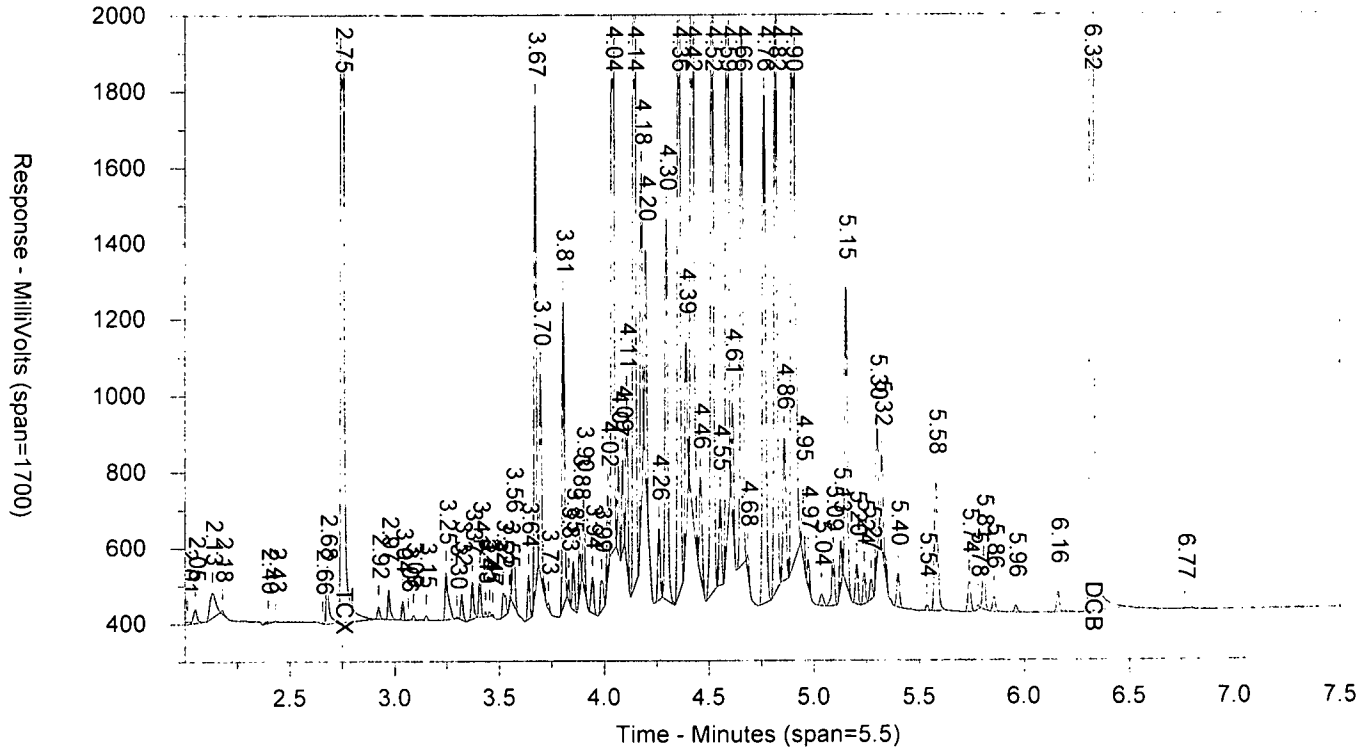

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 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: 07PCBS17292001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.671		11686	74343
2.125		35941	89420
2.187		109268	283816
2.242		38547	68513
2.316		105542	81745
2.41		32772	22337
2.427		42098	29926
2.525		4486	3134
2.585		3542	11900
2.636		2260	1304
2.665		14311	10999
2.875		39917	37577
2.962		14554	14989
3.029	TCX	26248780	16905410
3.18		97881	82132
3.23		297410	215400
3.285		171032	117329
3.362		52785	33095
3.381		33688	21505
3.502		341364	207396
3.519		106692	83524
3.557		8024	3727
3.572		192940	119901
3.617		324049	227934
3.673		36988	25408
3.693		381591	254992
3.73		53013	31457
3.746		18722	9681
3.792		121457	65194
3.806		90783	96041
3.843		920314	728115
3.901		350750	266135
3.945		54618	36131
3.972		4258252	3056405
4.001		1182216	1465170
4.05		59606	50174
4.101		2577110	1896724
4.126		153487	94747
4.158		396029	283168
4.192		1164615	1381950
4.235		246608	198383
4.282		117622	109735
4.32		210503	149056
4.358		6226821	4412180
4.377		2406533	1410833
4.404		1823247	1433108
4.472		1595764	1351393
4.516		9054715	9351538
4.552		3302151	2568628
4.593		114073	74918
4.617		519292	400612
4.66		3308009	2866287
4.713		6012512	5206833

RT A	Compound A	Height A	Area A
4.745		1351184	918032
4.776		12103180	10455650
4.823		523526	363598
4.839		215833	99488
4.862		1673074	1290531
4.902		3667584	3538836
4.951		675188	603949
4.993		7848717	7140596
5.025		247495	174650
5.051		659823	502647
5.074		141117	87482
5.105		2382036	1825932
5.121		1294508	819030
5.155		102281	76634
5.195		6363399	5742700
5.239		636013	481869
5.266		706716	962603
5.311		7798776	6808631
5.333		480345	255234
5.35		293589	168014
5.374		183862	134003
5.418		278536	317226
5.465		2535	999
5.491		14259	7811
5.518		2133327	1681172
5.538		350365	230679
5.569		13933	7097
5.595		261028	230227
5.634		226927	216961
5.675		163555	148552
5.716		1451854	1226329
5.742		200259	139889
5.774		920818	759442
5.797		142344	97270
5.98		830441	759865
6.01		121120	120755
6.07		4810	3595
6.167		193883	199106
6.23		223508	206519
6.249		26527	14501
6.404		43910	42353
6.473		6477	5463
6.53		1938	1461
6.571		2612	1498
6.603		114153	117318
6.749	DCB	9722009	9976043
7.223		7696	9671
7.297		2143	354
7.42		1018	338
7.522		1476	1097
7.667		1724	588
7.792		846	198
7.913		1203	1107
8.173		1707	1146
8.344		1508	450
8.445		1401	564
8.62		928	530

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 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, 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: 07PCBS17292001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.635		2293	11308
1.917		19193	57330
2.049		61181	100160
2.13		40731	77819
2.178		19207	16278
2.276		2772	2743
2.397		2697	4463
2.429		7719	7310
2.66		2472	1214
2.677		59561	65666
2.749	TCX	12301090	8994423
2.922		64836	51023
2.97		144597	118413
3.037		97961	70427
3.088		24438	17274
3.149		24875	20573
3.246		237245	269082
3.298		8698	5413
3.32		125886	88971
3.371		184500	142998
3.406		233074	162902
3.434		26114	13899
3.452		26385	14334
3.467		12581	5872
3.518		119248	131897
3.549		38042	17423
3.564		354276	334774
3.639		223140	161001
3.671		2394467	1652846
3.696		1020404	697311
3.734		40166	25914
3.805		1505023	1124967
3.83		102055	54562
3.852		257357	183326
3.884		345914	206620
3.901		409105	255483
3.943		181923	174075
3.988		159778	167613
4.016		410735	254446
4.039		5871819	4302529
4.065		446707	257439
4.087		432565	246169
4.105		809188	539873
4.142		4967601	3900007
4.176		1741550	1202076
4.196		1146146	697716
4.259		333900	268324
4.295		1961531	1691579
4.355		4175533	3371387
4.39		991377	747159
4.419		7290839	6092881
4.459		459370	456561
4.515		3335448	3173013
4.553		432428	352803

4.587		4502671	3608955
4.612		559272	368181
4.656		2658337	2295309
4.684		96327	56926
4.763		2690902	2721054
4.816		3263937	2928106
4.858		707471	686976
4.898		5455214	5562154
4.947		338423	232057
4.971		126831	88772
5.036		55405	62299
5.091		226202	228288
5.128		227822	159797
5.152		1512053	1314184
5.203		197515	174639
5.238		146465	123808
5.272		96771	87952
5.299		648476	479538
5.32		464700	390949
5.397		182993	174758
5.513		1424	907
5.538		26511	23154
5.58		657647	727106
5.739		155796	149572
5.78		21682	15239
5.806		214300	196819
5.855		76926	73000
5.96		35104	35697
6.11		2278	2299
6.16		103764	101755
6.32	DCB	8456433	8596621
6.767		6157	5659
6.797		2957	3243
8.412		1773	1975
8.632		1770	1503

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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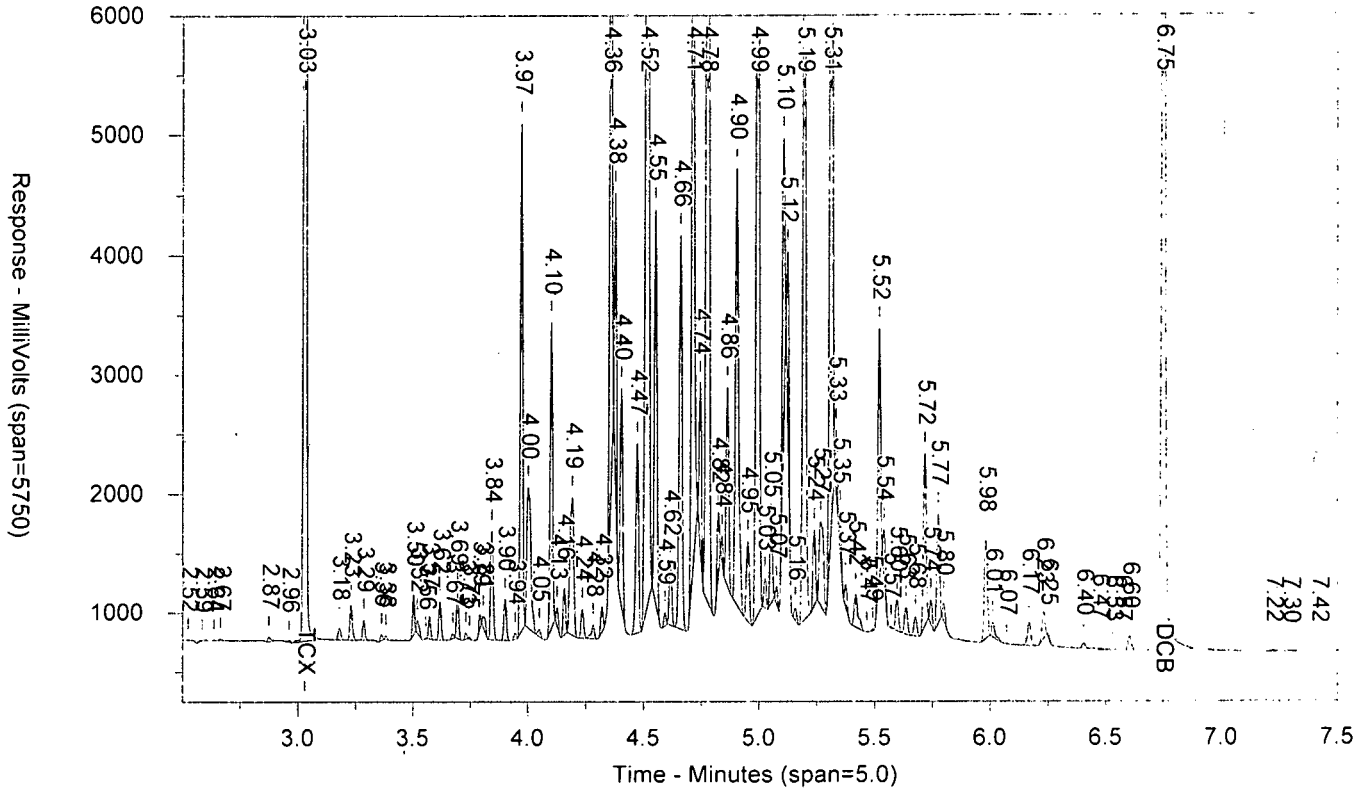

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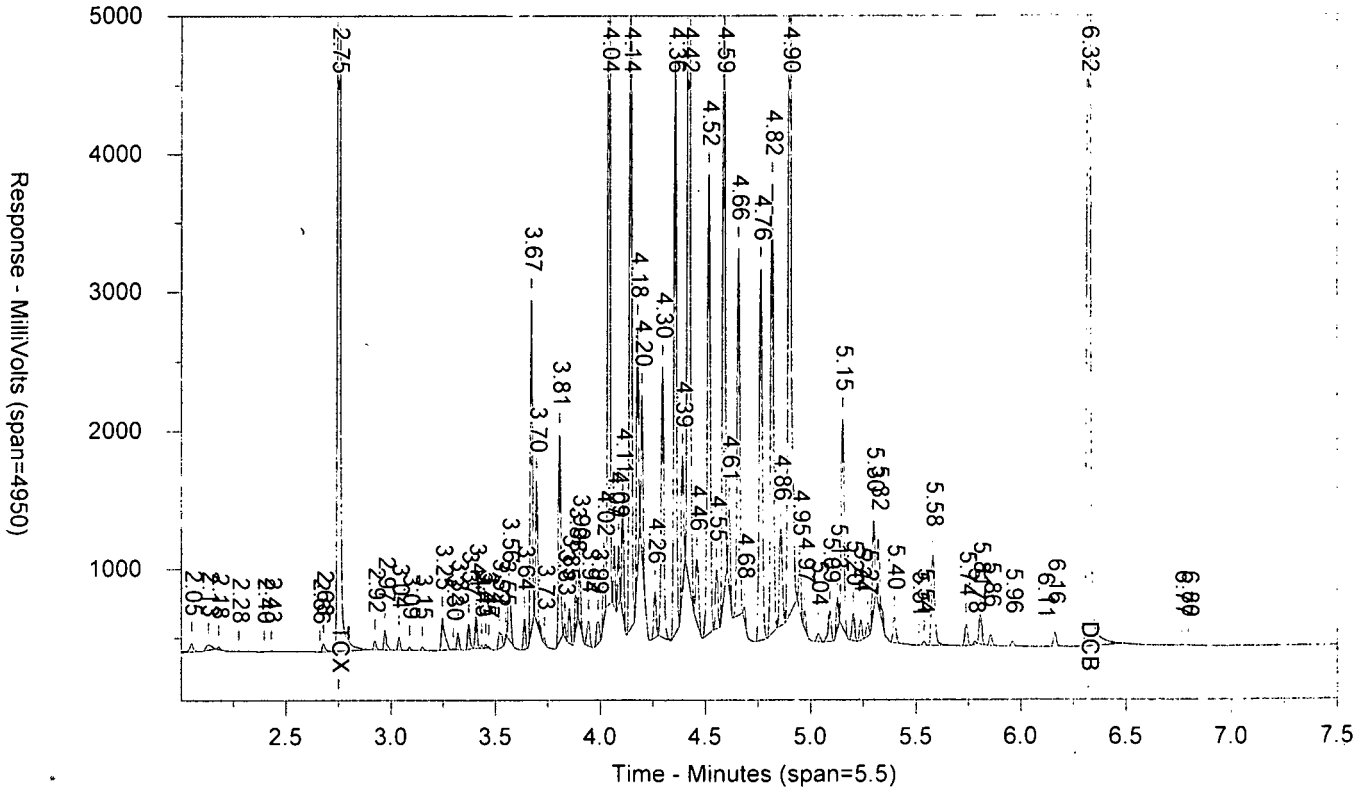

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	26248780	41.34	TCX	2.749	12301090	40.524	TCX
6.749	9722009	38.092	DCB	6.32	8456433	36.65	DCB

Files:
Area File: 07PCBS17292001.0023.RAW
Area File: 07PCBS17292001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:53:18 PM
File Reported On: 10/22/2017 at 1:36:21 PM

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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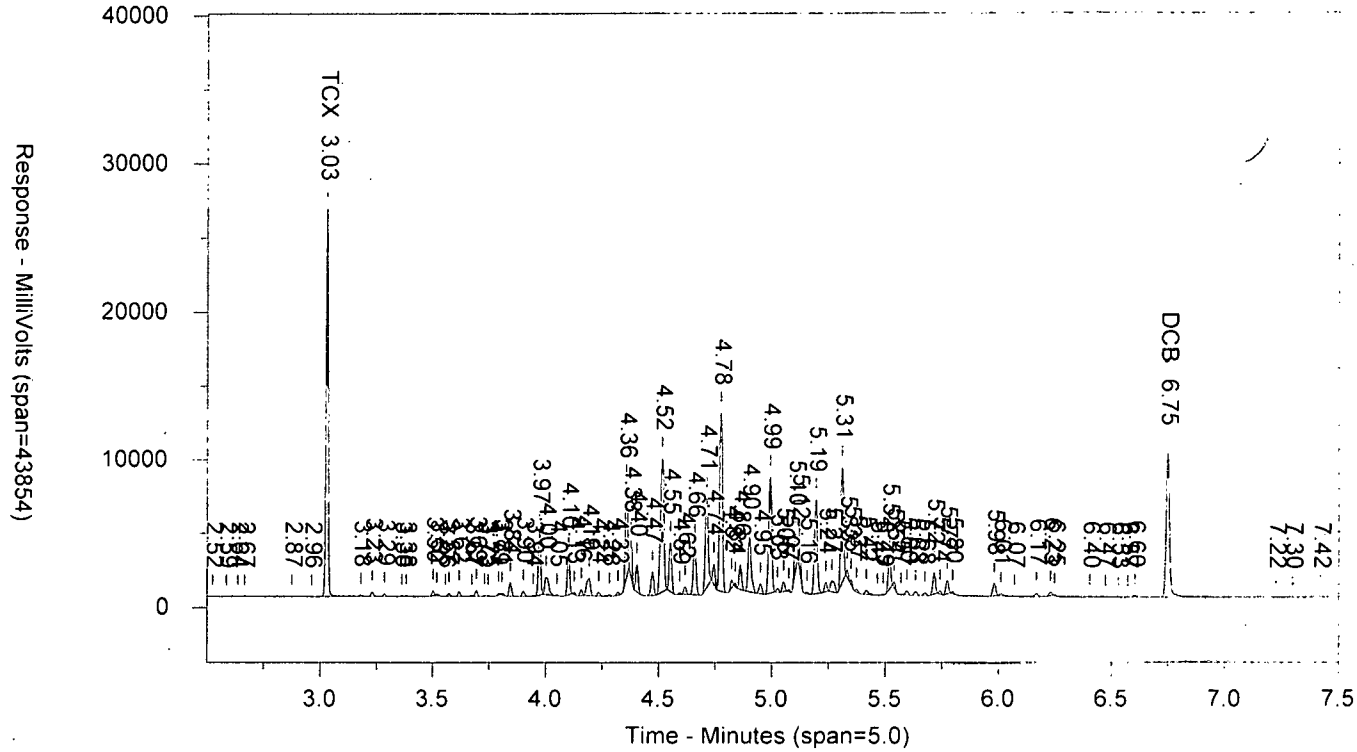

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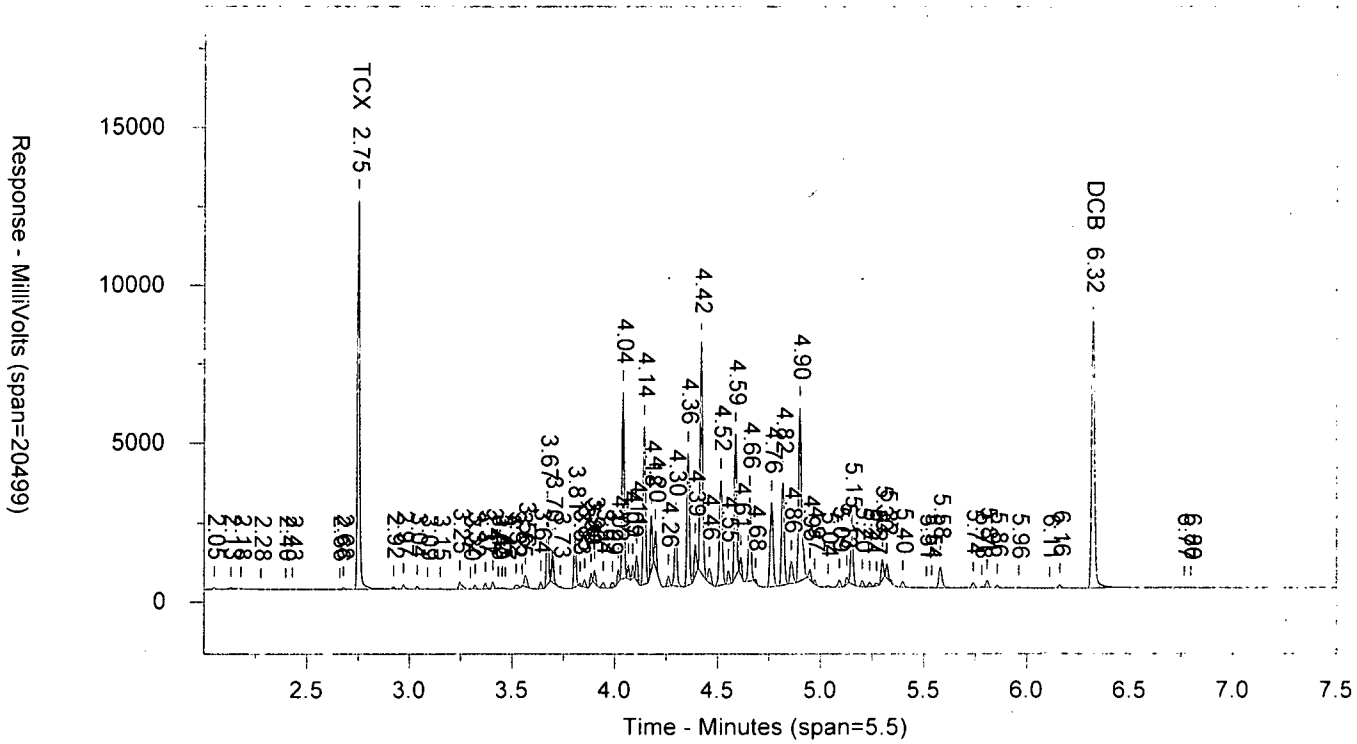

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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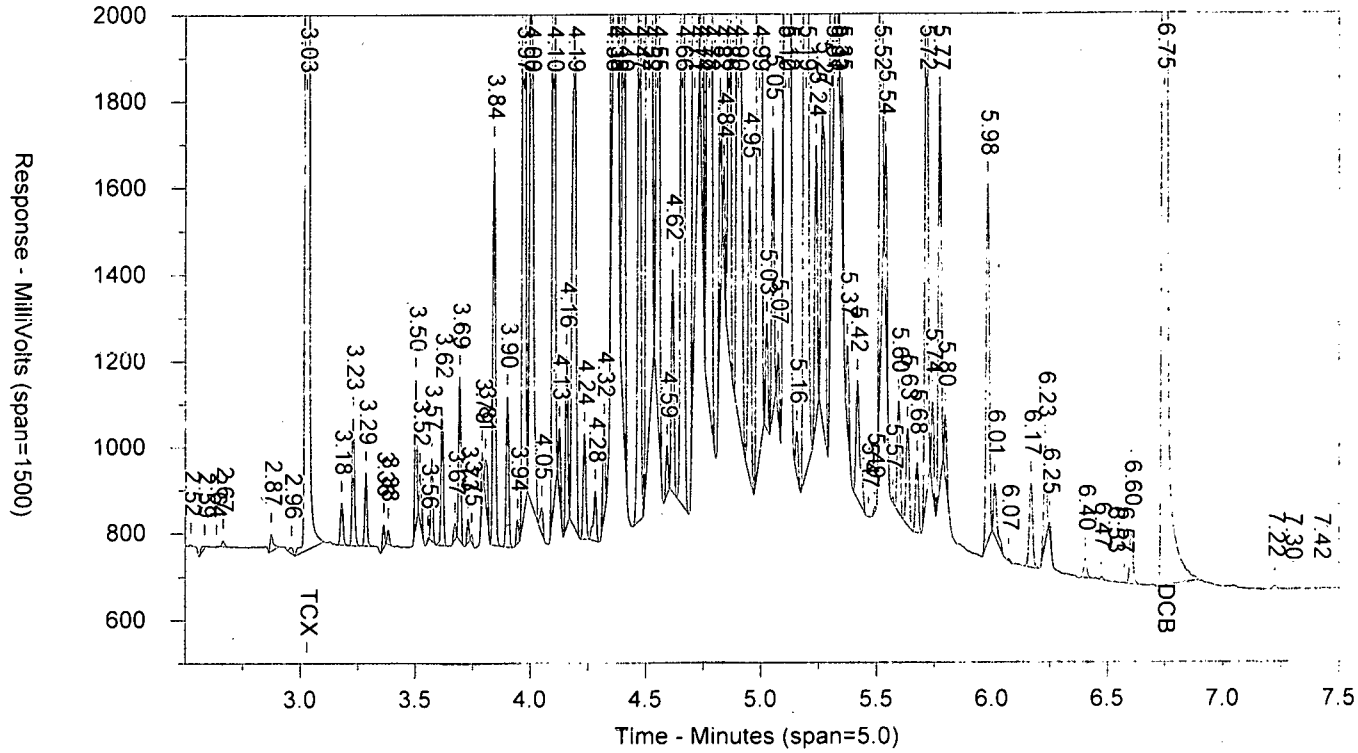

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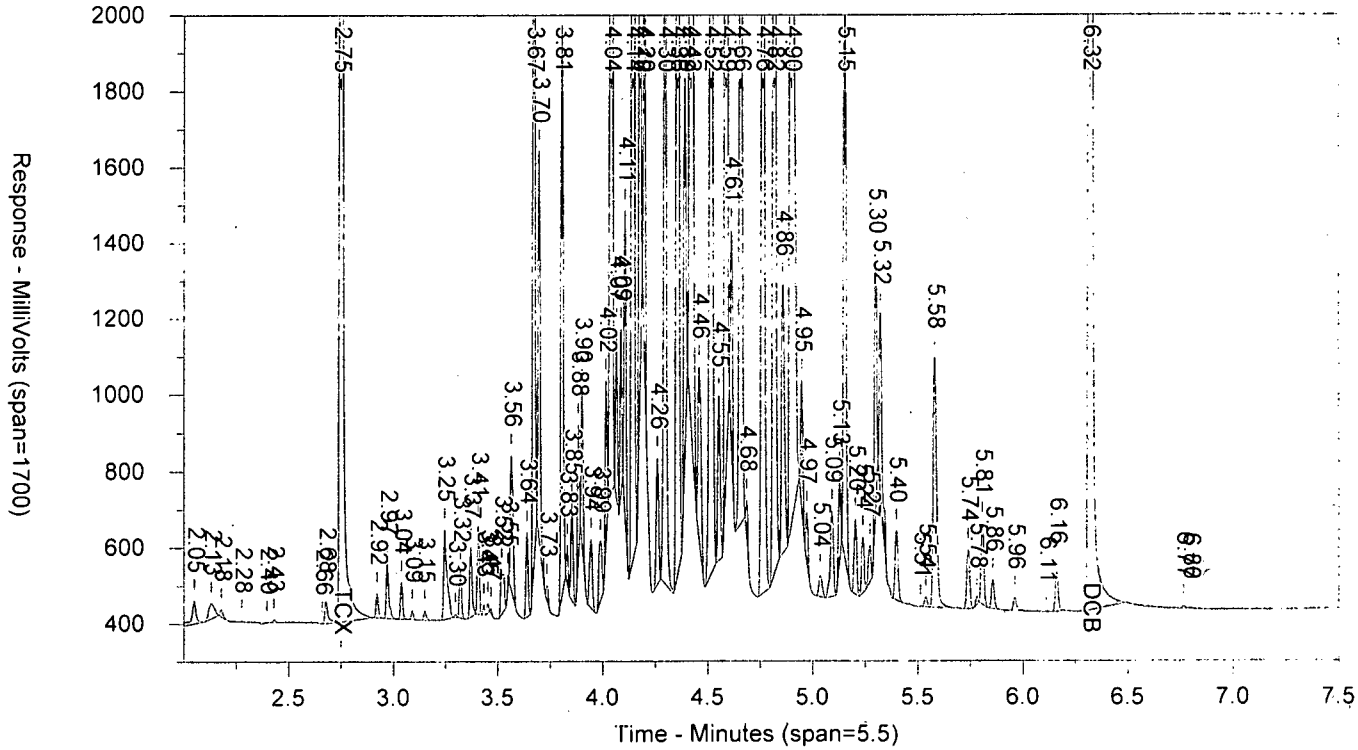

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 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: 07PCBS17292001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.673		16567	81665
1.936		2429	2426
1.957		2404	1463
2.056		1797	1937
2.13		31525	71733
2.188		177071	425651
2.24		48757	115279
2.316		211827	210509
2.41		37698	31039
2.427		87333	75378
2.467		10337	13469
2.522		10603	9547
2.574		9985	9168
2.665		25303	19596
2.875		68537	79028
3.029	TCX	51379330	33238170
3.129		8471	5107
3.18		186445	155056
3.23		554239	401568
3.285		317825	216651
3.362		89277	54247
3.381		63120	39772
3.421		5159	2789
3.503		624829	383257
3.52		203672	158187
3.557		15095	6999
3.573		354416	225705
3.618		596376	421367
3.673		69718	47364
3.694		766805	502331
3.73		95620	57998
3.746		36326	18053
3.791		213257	120382
3.806		173586	185971
3.843		1772452	1408597
3.902		674115	502750
3.945		102953	67847
3.972		7971030	5778986
4.001		2293928	2807061
4.049		109060	89158
4.101		4999154	3643882
4.126		313725	187480
4.158		754725	539598
4.192		2263418	2694626
4.235		466059	378360
4.267		13021	8637
4.282		196842	133021
4.32		395126	277431
4.358		12265730	8554929
4.377		4518714	2682133
4.404		3562868	2835634
4.472		3164486	2627195
4.515		18316210	18314410

RT A	Compound A	Height A	Area A
4.552		6267876	4982776
4.593		210307	137731
4.616		989882	775090
4.659		6083476	5593909
4.713		12060680	10298750
4.745		2798142	1832049
4.775		24374700	20973950
4.823		1066124	731951
4.838		386360	188350
4.861		3421835	2626550
4.902		7097294	6944951
4.95		1328617	1191659
4.992		15853230	14197830
5.025		503094	355236
5.051		1255627	972745
5.075		323754	196995
5.105		4943602	3628577
5.121		2961545	1722957
5.155		203449	149334
5.194		12618380	11468910
5.238		1308037	965769
5.265		1426943	1936883
5.311		16119680	13609980
5.332		1064550	556070
5.35		585264	352934
5.374		380567	271778
5.418		529725	602724
5.49		26017	14264
5.517		4063306	3341852
5.538		754281	491390
5.568		29344	16781
5.594		500809	426070
5.634		452527	415976
5.674		356944	317030
5.716		2997229	2438272
5.741		405944	273697
5.773		1786330	1484255
5.797		318266	215514
5.979		1671097	1456767
6.01		247541	237730
6.166		391847	395159
6.23		462627	414357
6.248		51468	28264
6.403		83666	77498
6.447		5370	3968
6.474		3618	2305
6.531		4685	3794
6.57		3744	2817
6.602		213506	221601
6.747	DCB	18081300	18916210
7.221		14600	17739
7.366		2027	439
7.424		1672	517
7.718		1142	484
7.79		1340	537
8.035		1209	1638
8.19		1653	617
8.293		1508	513
8.573		1370	617

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 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, 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: 07PCBS17292001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.656		823	11166
1.919		3358	18553
2.017		1132	4817
2.05		95406	94975
2.131		72203	142384
2.179		36425	29769
2.27		3372	3615
2.313		2085	1179
2.4		2678	4575
2.431		13963	13677
2.657		3785	1904
2.676		104471	118914
2.749	TCX	23677540	17447270
2.922		116985	93956
2.97		271332	219181
3.037		172579	131031
3.088		46200	31329
3.15		46637	40418
3.246		419079	487850
3.298		19572	10430
3.32		209580	151939
3.37		333172	261707
3.406		436375	303061
3.433		44020	23107
3.452		51126	27856
3.467		20950	10062
3.518		220794	242177
3.549		63179	29558
3.564		672398	636613
3.639		402965	293757
3.671		4588303	3113585
3.696		1950950	1318472
3.733		76410	48156
3.805		2955175	2115220
3.83		194654	104823
3.852		468262	339550
3.884		674613	388902
3.9		737426	456857
3.943		341187	323018
3.99		284887	308165
4.016		781494	484334
4.039		11250710	8255134
4.066		895756	509464
4.086		839969	471613
4.105		1570235	1033462
4.142		9629699	7454373
4.176		3358127	2319855
4.196		2081545	1264737
4.259		634403	496791
4.296		3641559	3211756
4.355		7880221	6543229
4.39		1892687	1416605
4.418		14258390	11782640
4.459		892800	869121

4.515		6386979	6091532
4.552		838046	667059
4.586		8860119	7035153
4.611		1074669	688097
4.656		5272782	4371212
4.683		174776	104540
4.762		5245022	5240569
4.816		6473688	5811105
4.857		1377640	1296341
4.897		10358360	10788660
4.947		649154	449912
4.97		233906	161088
5.035		100005	112666
5.091		430651	427267
5.128		411304	287437
5.152		3014758	2525797
5.202		354735	321800
5.237		269381	231526
5.271		191738	172906
5.299		1283750	953845
5.32		894367	734136
5.396		378381	354213
5.512		3645	1927
5.537		49204	42134
5.579		1227154	1363404
5.679		4666	4533
5.738		312521	292214
5.78		39805	28141
5.805		439900	395591
5.855		154519	146883
5.958		64941	59602
5.992		3499	3444
6.113		3197	2990
6.159		199292	180595
6.319	DCB	16678760	16576090
6.765		10985	10417

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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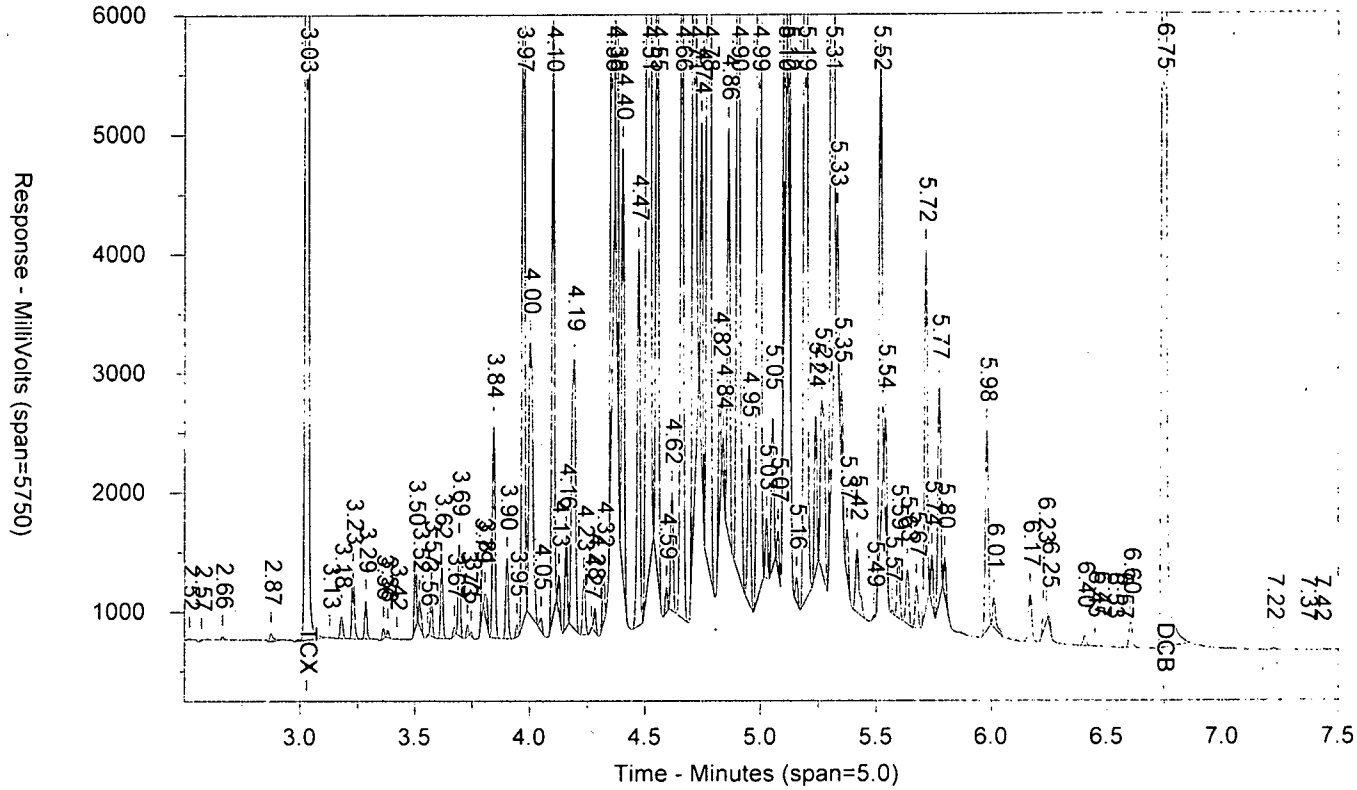

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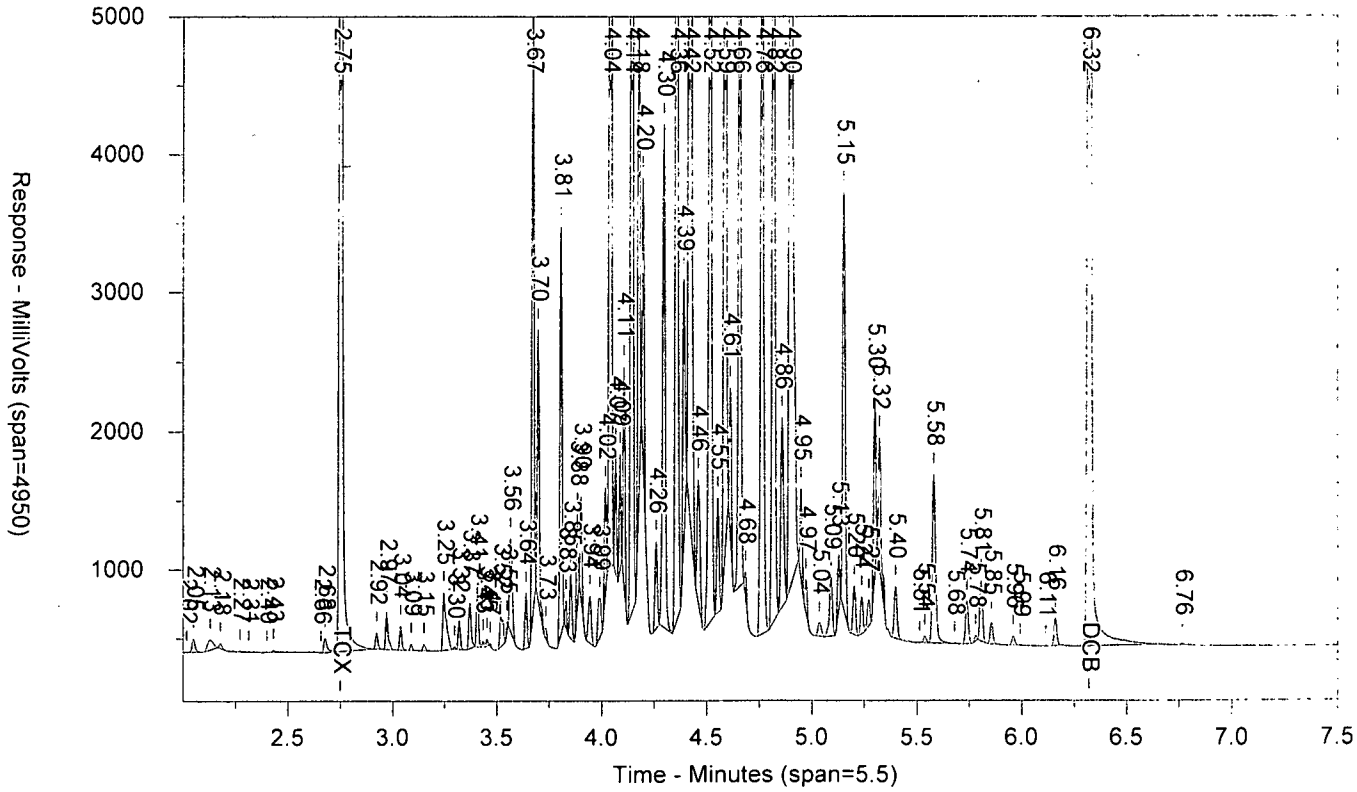

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	51379330	80.918	TCX	2.749	23677540	78.003	TCX
6.747	18081300	70.844	DCB	6.319	16678760	72.284	DCB

Files:
Area File: 07PCBS17292001.0024.RAW
Area File: 07PCBS17292001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:04:40 AM
File Reported On: 10/22/2017 at 1:36:31 PM

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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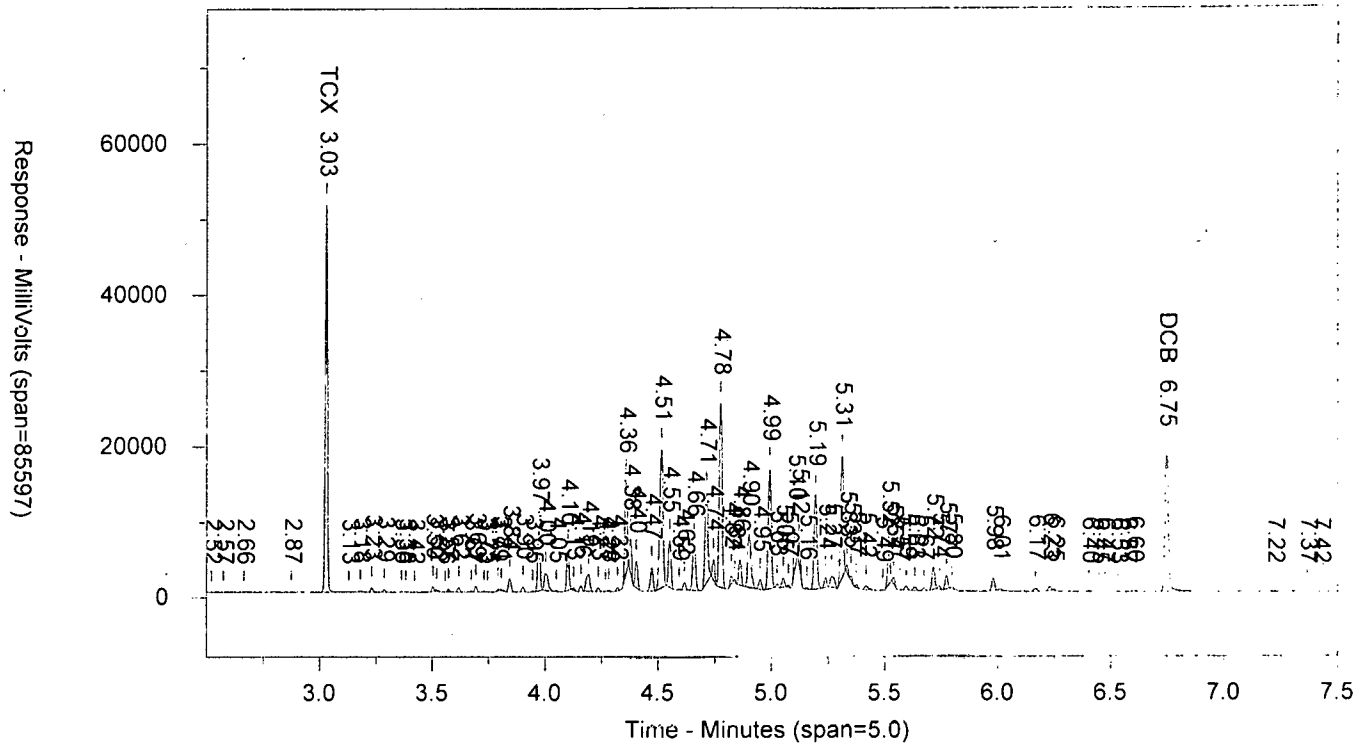

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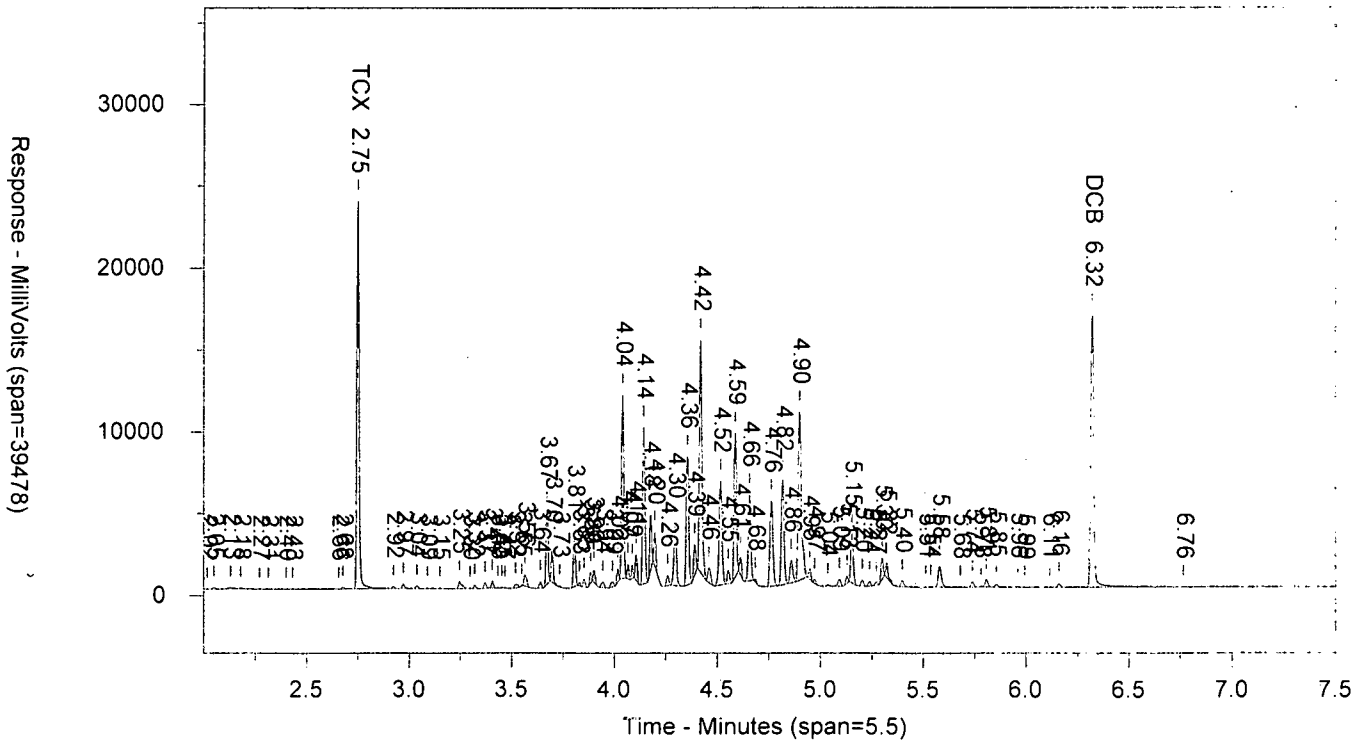

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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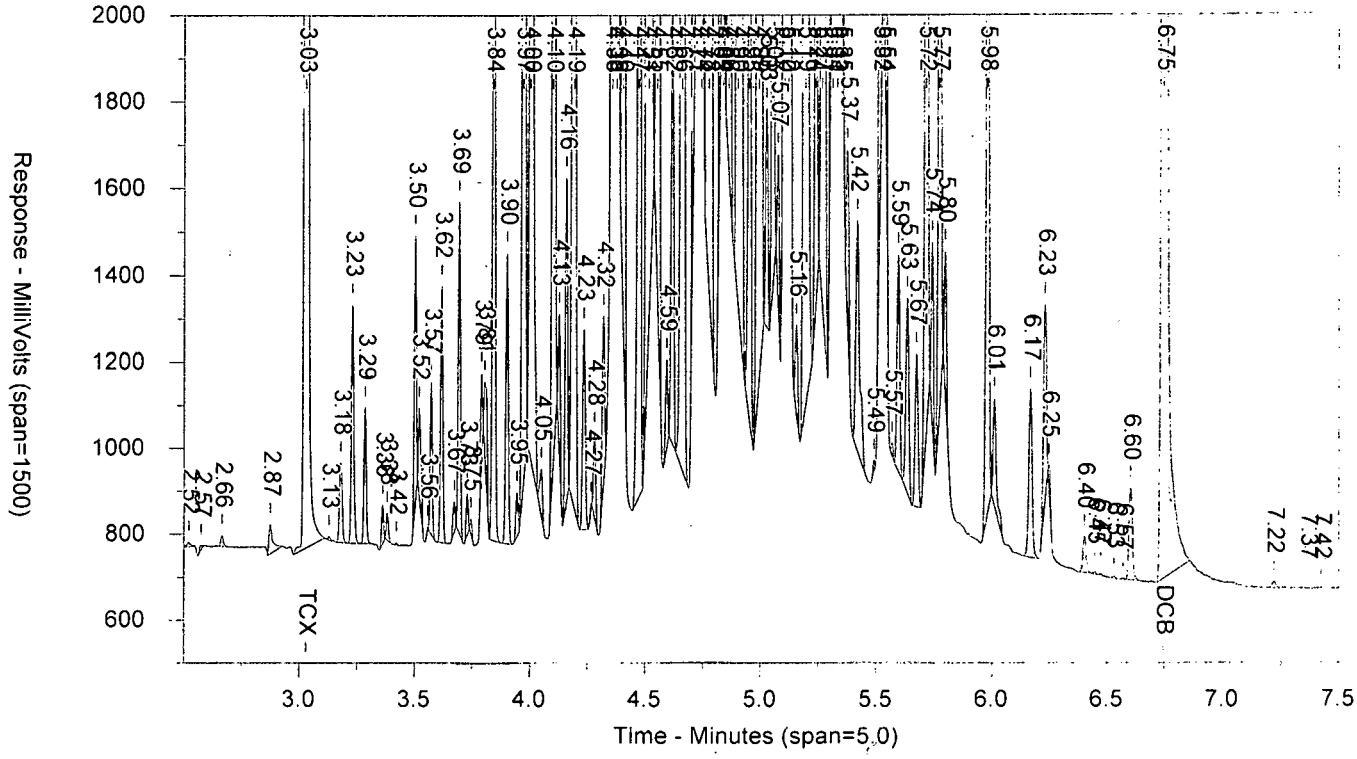

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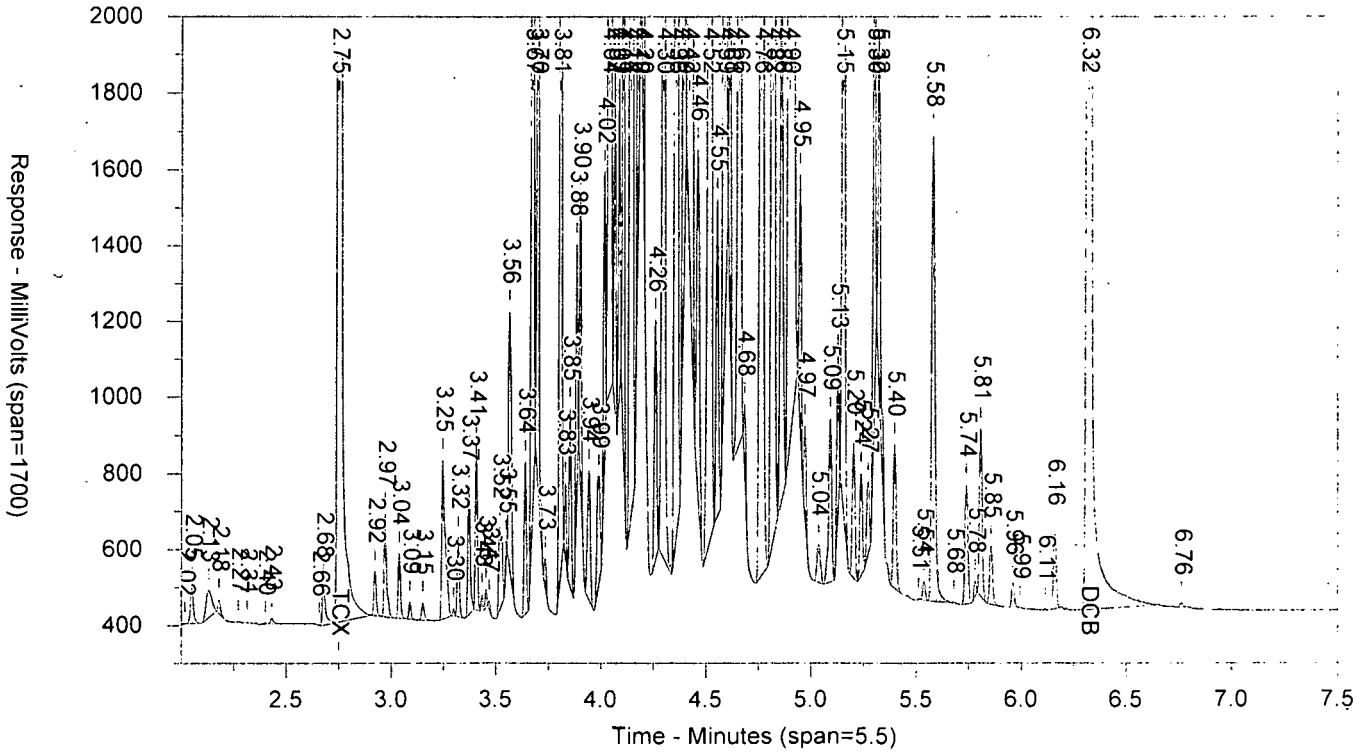

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM 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: 07PCBS17292001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.677		12232	99721
2.048		1781	649
2.136		46197	150450
2.187		385689	1128208
2.301		39004	82983
2.373		21778	31594
2.411		50531	36992
2.594		8619	31334
2.646		5332	4486
2.682		23035	13879
2.784		2796	2315
2.875		113458	123968
2.961		33706	42009
3.004		14753	28985
3.029	TCX	14575	11207
3.182		16892	15504
3.239		13423	7978
3.263		4486	2113
3.286		75609	50739
3.381		31100	49012
3.502		78270	47108
3.52		36085	23661
3.557		6046	2959
3.572		19683	11222
3.601		6849	3222
3.618		112404	73709
3.67		7399	4446
3.694		43254	27731
3.73		15931	9290
3.746		8404	4573
3.792		35159	19472
3.804		58885	31048
3.844		149247	113806
3.863		3483	1676
3.902		127790	100786
3.932		3495	2336
3.945		9972	5490
3.972		90998	67588
4.01		262952	238586
4.042		11490	7523
4.101		90915	66971
4.126		18429	10527
4.158		26750	18104
4.184		148381	161501
4.234		33399	26798
4.267		5680	2996
4.281		8699	5149
4.32		75717	49589
4.357		499339	492114
4.378		57474	30923
4.402		61147	49758
4.471		35515	25540
4.494		40109	25102

RT A	Compound A	Height A	Area A
4.516		553994	475588
4.551		67481	50597
4.592		3130	1845
4.616		53134	55249
4.655		665434	616612
4.713		35457	27264
4.729		311540	223894
4.775		265013	222286
4.823		1592570	1598180
4.861		305915	220885
4.901		2731599	2432344
4.945		181785	160730
4.99		198832	198914
5.026		123002	92644
5.051		265198	223490
5.104		2624610	2974216
5.155		1385093	1245671
5.196		1068489	844418
5.212		88809	50984
5.242		97089	75703
5.275		140317	117446
5.309		2454515	2287197
5.333		42978	16272
5.351		94925	52179
5.374		3835671	3453363
5.417		1710889	1574731
5.466		7711	7290
5.511		624976	492434
5.538		3299823	3295526
5.594		1338582	1135834
5.619		53798	31021
5.634		334905	248853
5.676		153457	147448
5.718		521235	487692
5.773		6882491	6080726
5.797		147320	78768
5.978		4465690	4263269
6.034		2107157	3171835
6.167		193274	173337
6.249		959307	1115998
6.403		2296311	2242188
6.448		104838	89857
6.602		846947	826630
6.747	DCB	18700	17210
6.815		3324	3636
6.903		1620	552
6.941		1654	1386
7.303		1120	376
7.312		1911	542
7.591		1213	557
7.897		1398	995
7.968		1170	504
8.087		946	382
8.276		1654	409
8.374		1288	528
8.469		1399	515
8.59		1405	673

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM 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, 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: 07PCBS17292001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.627		3396	14351
1.895		1960	2392
2.005		4548	8819
2.042		27616	26750
2.133		198298	641705
2.398		3163	6217
2.431		1887	1559
2.472		12527	12157
2.659		4849	3297
2.677		173434	205425
2.74	TCX	3582	5062
2.794		6766	7815
2.921		11101	9453
2.984		6912	5666
3.037		44532	29290
3.061		3856	5555
3.12		2874	2228
3.15		13053	11311
3.246		57583	69823
3.298		4536	2391
3.321		35354	29489
3.371		69844	57109
3.406		37198	25153
3.452		9246	4984
3.467		6551	3832
3.519		12016	7898
3.528		33666	15992
3.548		4581	1616
3.564		55761	65455
3.638		88573	67940
3.671		54373	35051
3.697		170842	117909
3.732		27140	22048
3.758		4740	2741
3.805		58151	41647
3.829		17775	10646
3.851		16804	11210
3.883		85040	54165
3.901		14384	13811
3.943		28108	25152
3.991		97138	106158
4.024		19930	11963
4.039		325830	232167
4.065		20497	11524
4.087		12908	6880
4.105		28076	18611
4.142		367764	298210
4.178		40806	28650
4.197		56145	63046
4.246		20081	12526
4.265		5876	2697
4.285		358141	356207
4.331		22542	14438
4.355		82206	64770

4.401		224193	162522
4.432		1013308	788823
4.46		247169	256221
4.514		1802993	1614239
4.556		123776	100366
4.585		56694	39601
4.611		237088	179191
4.631		24247	10479
4.655		1922947	1674422
4.765		1937837	1866266
4.82		340653	321951
4.861		540505	488911
4.896		1187916	1060153
4.93		2540197	2208363
4.97		1121299	961731
5.074		518337	495113
5.127		2666503	2587872
5.201		1032093	1106644
5.237		310898	241219
5.264		269018	237836
5.32		4975869	4860503
5.361		55657	39388
5.396		325326	304521
5.513		63995	39967
5.536		1911755	1762158
5.583		3450604	3823936
5.738		159130	142853
5.779		20677	15165
5.805		98876	86880
5.854		745176	735909
5.959		1898205	1703126
5.99		64824	47155
6.159		720778	743758
6.319	DCB	19342	17764
6.493		2833	2705
6.796		3487	4570
7.061		1113	411
8.641		2404	4122

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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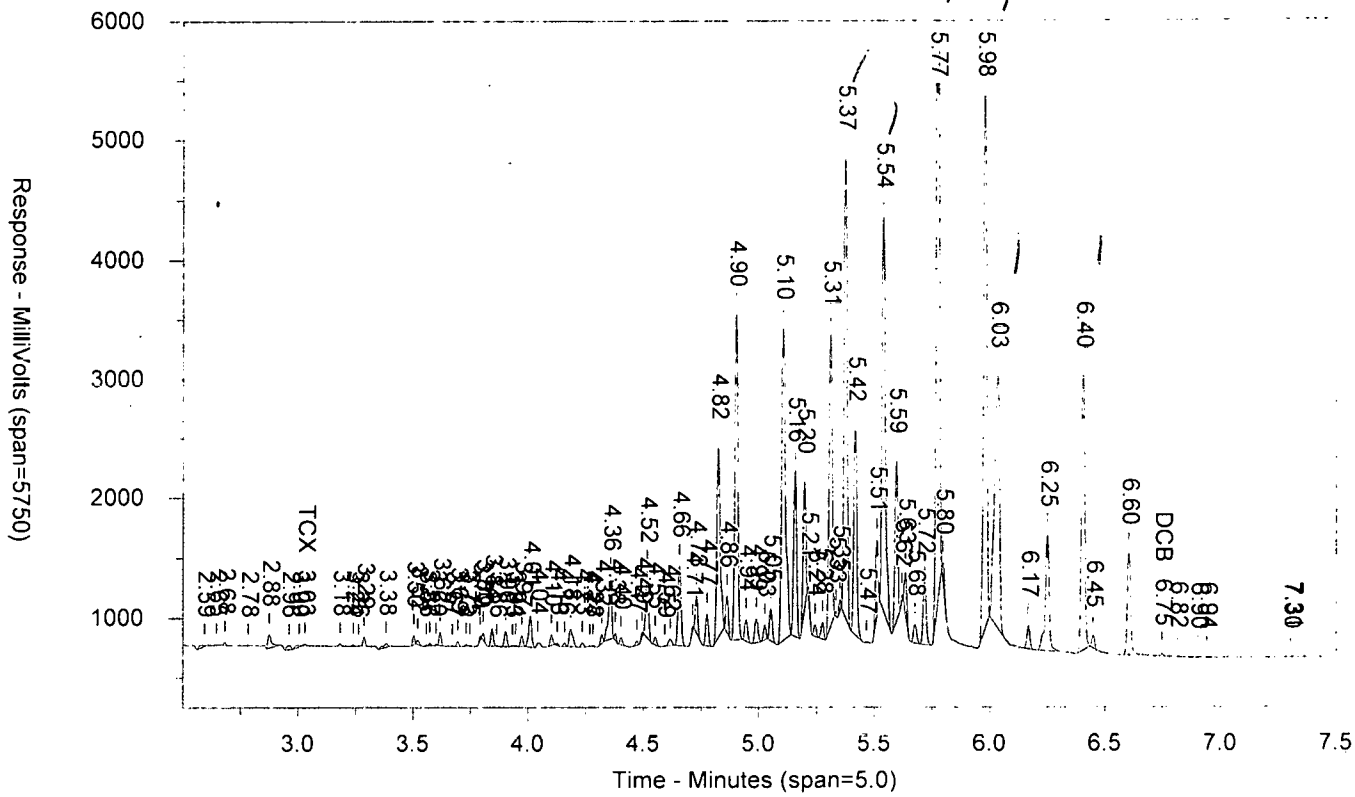

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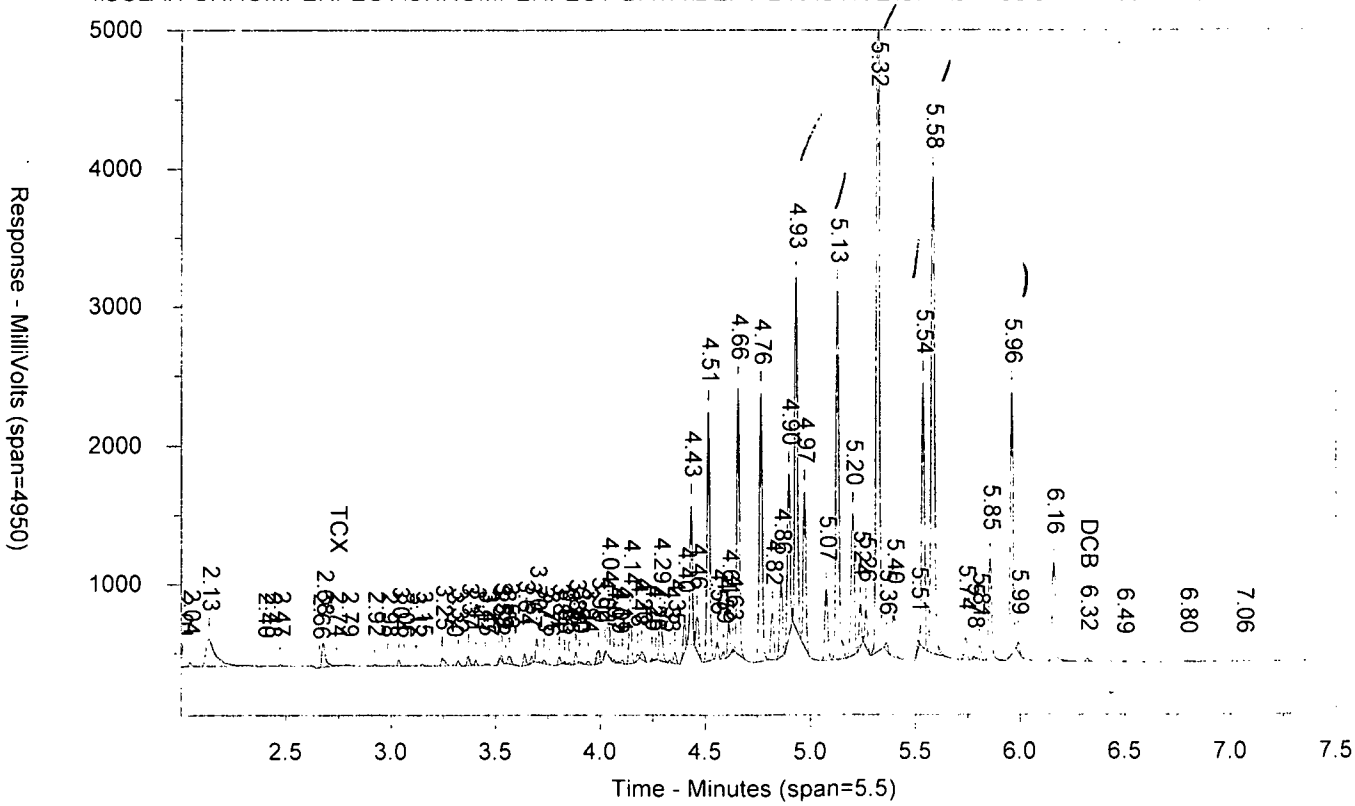

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	14575	.023	TCX	2.74	3582	.012	TCX
6.747	18700	.073	DCB	6.319	19342	.084	DCB

Files:
Area File: 07PCBS17292001.0025.RAW
Area File: 07PCBS17292001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:16:12 AM
File Reported On: 10/22/2017 at 1:36:41 PM

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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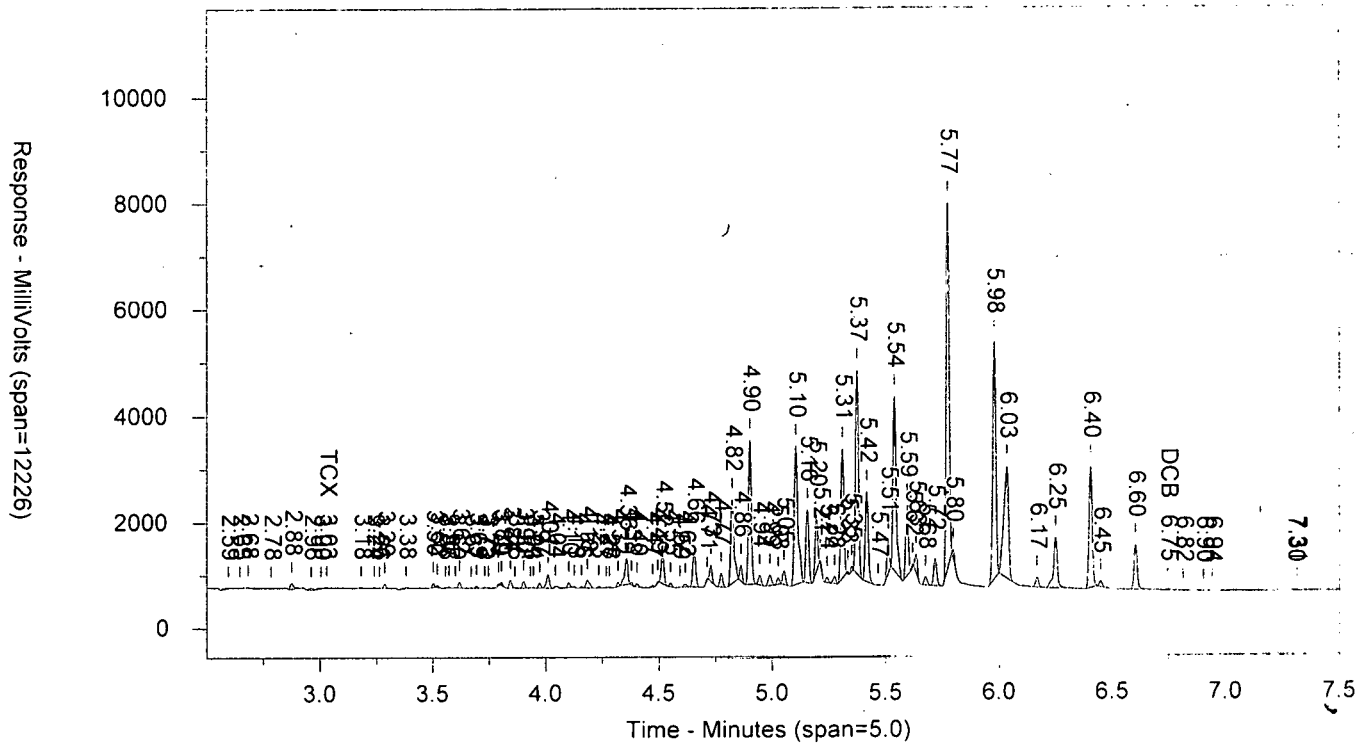

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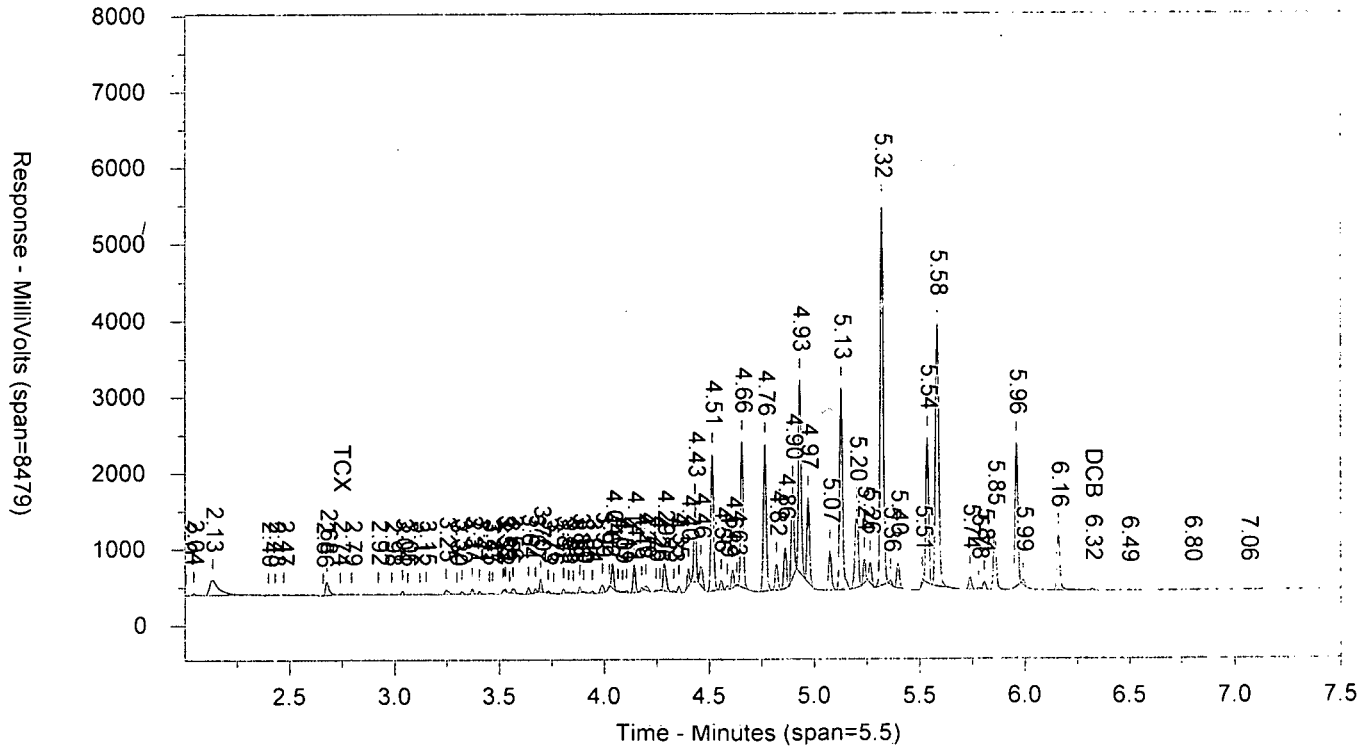

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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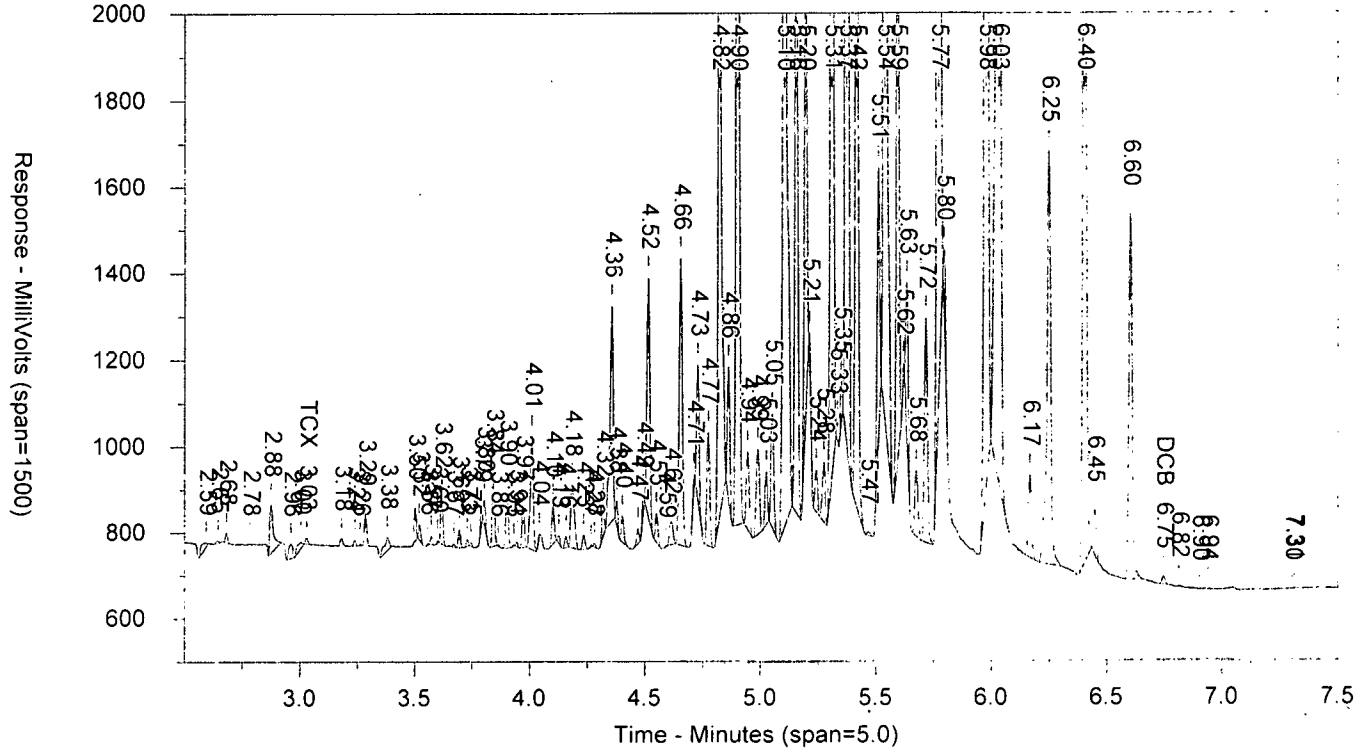

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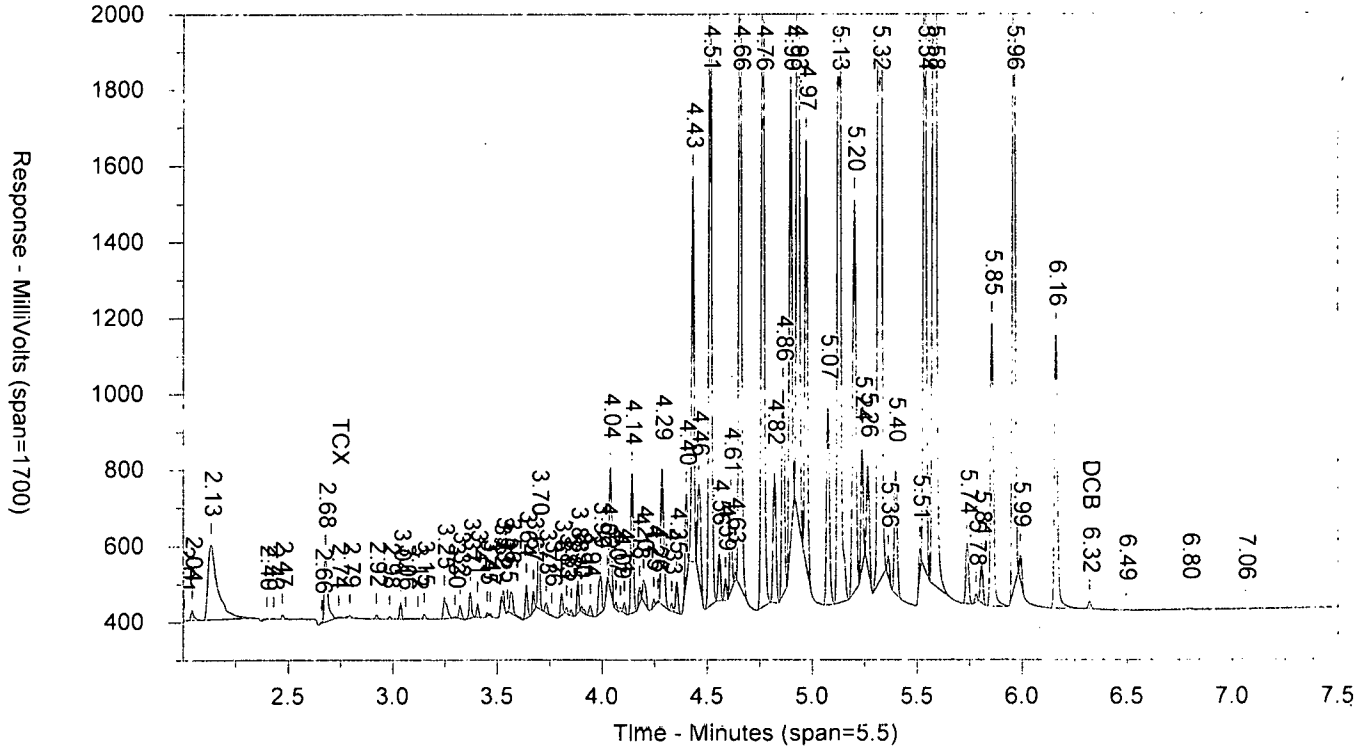

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM 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: 07PCBS17292001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.687		11026	105513
2.048		1831	1331
2.119		6754	20394
2.185		203188	381050
2.41		58496	40661
2.466		2936	2738
2.592		14538	38966
2.668		4679	3759
2.697		2598	1238
2.734		2362	1781
2.875		76575	66362
2.996		8153	12504
3.03	TCX	6408	4951
3.18		4165	2787
3.24		2870	2220
3.285		27320	18747
3.381		21881	37931
3.502		16911	11066
3.519		6697	6675
3.557		2090	566
3.573		8299	5592
3.6		4469	2247
3.618		50232	34007
3.668		3263	1682
3.694		7369	5208
3.728		3661	2266
3.792		9828	5916
3.803		15868	9242
3.844		63887	52415
3.881		1052	255
3.902		48601	35274
3.945		15562	11629
3.973		25071	17483
4.009		46823	51458
4.048		28544	34834
4.101		30084	21354
4.125		9689	6798
4.159		10409	6941
4.185		68144	80393
4.234		35919	29581
4.268		2544	1231
4.281		2569	1135
4.32		17363	10149
4.34		126045	161707
4.378		51361	34425
4.402		34301	28912
4.462		6331	6301
4.511		87897	78634
4.532		8116	4012
4.611		47254	43629
4.655		386321	354180
4.714		128932	119702
4.746		4760	2624

RT A	Compound A	Height A	Area A
4.775		22912	20137
4.823		31046	29395
4.861		63702	54037
4.902		89863	79691
4.944		248857	224584
4.987		96545	92495
5.027		487742	453144
5.06		9766	8967
5.105		4497	2818
5.121		42382	33534
5.155		225459	209232
5.194		39743	30115
5.213		33929	24064
5.237		7542	4861
5.268		189696	173726
5.308		85120	75655
5.351		219301	148341
5.374		1346588	1153114
5.416		153779	142375
5.47		5407	6127
5.51		172078	133975
5.554		1837501	2221275
5.594		48442	28419
5.618		532435	491357
5.674		302526	294901
5.715		36218	33673
5.772		625382	487610
5.795		648185	518913
5.975		8325168	7860133
6.033		7132077	7644575
6.165		6571517	6352996
6.229		1757974	2033202
6.402		2592923	2464572
6.6		20102440	19851200
6.747	DCB	3752436	3898353
7.034		2414	2510
7.075		6115	5684
7.286		1227	851
7.334		1131	556
7.716		1774	412
7.841		1457	676
7.89		1172	991
8.069		1549	482
8.246		1427	566
8.327		1576	1648
8.351		1645	745
8.471		1019	849
8.568		1813	2211
8.621		1345	655

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM 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, 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: 07PCBS17292001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.617		1206	5520
1.914		3375	9198
2.041		36743	50497
2.131		122722	374239
2.399		2921	4938
2.676		126023	144106
2.74	TCX	3235	5717
2.921		2291	2040
2.986		1598	1061
3.037		16703	12701
3.15		8361	6944
3.245		11944	17521
3.322		17636	15388
3.371		32398	28294
3.406		8669	6485
3.462		8280	10468
3.528		17459	19592
3.57		30400	41784
3.638		33191	25902
3.672		12724	9085
3.697		31437	19365
3.733		20424	17182
3.805		22321	16985
3.83		8384	5119
3.851		6586	4238
3.883		37856	24186
3.901		4484	1652
3.915		7463	3799
3.945		24693	19287
3.993		84037	72433
4.024		35298	23455
4.041		36864	24454
4.066		17887	11274
4.143		8065	8256
4.182		8625	5026
4.196		30930	24442
4.246		3444	2545
4.266		8734	4899
4.285		207591	185598
4.331		67819	49082
4.355		8483	5717
4.401		13163	10395
4.432		21555	22372
4.463		11269	9997
4.516		106890	109005
4.557		165852	142752
4.612		29967	17872
4.632		273113	247767
4.766		197882	204350
4.82		60609	56652
4.87		132981	136189
4.899		29994	22161
4.931		970703	1045273
4.97		76815	55383

5.075		141952	130716
5.126		1697599	1676806
5.194		417800	446075
5.239		15255	10478
5.274		181585	172750
5.32		578160	543681
5.396		578379	552814
5.513		26051	19891
5.536		5966195	5432795
5.584		6073437	5790185
5.737		5198502	4896970
5.805		1359156	1256066
5.854		304291	281551
5.958		2078852	2070920
6.085		9238	10129
6.158		17198000	16616140
6.319	DCB	3358971	3392768
6.493		6508	5592
6.654		7749	7009
6.795		2797	3719
8.403		1628	2377
8.629		3349	7927

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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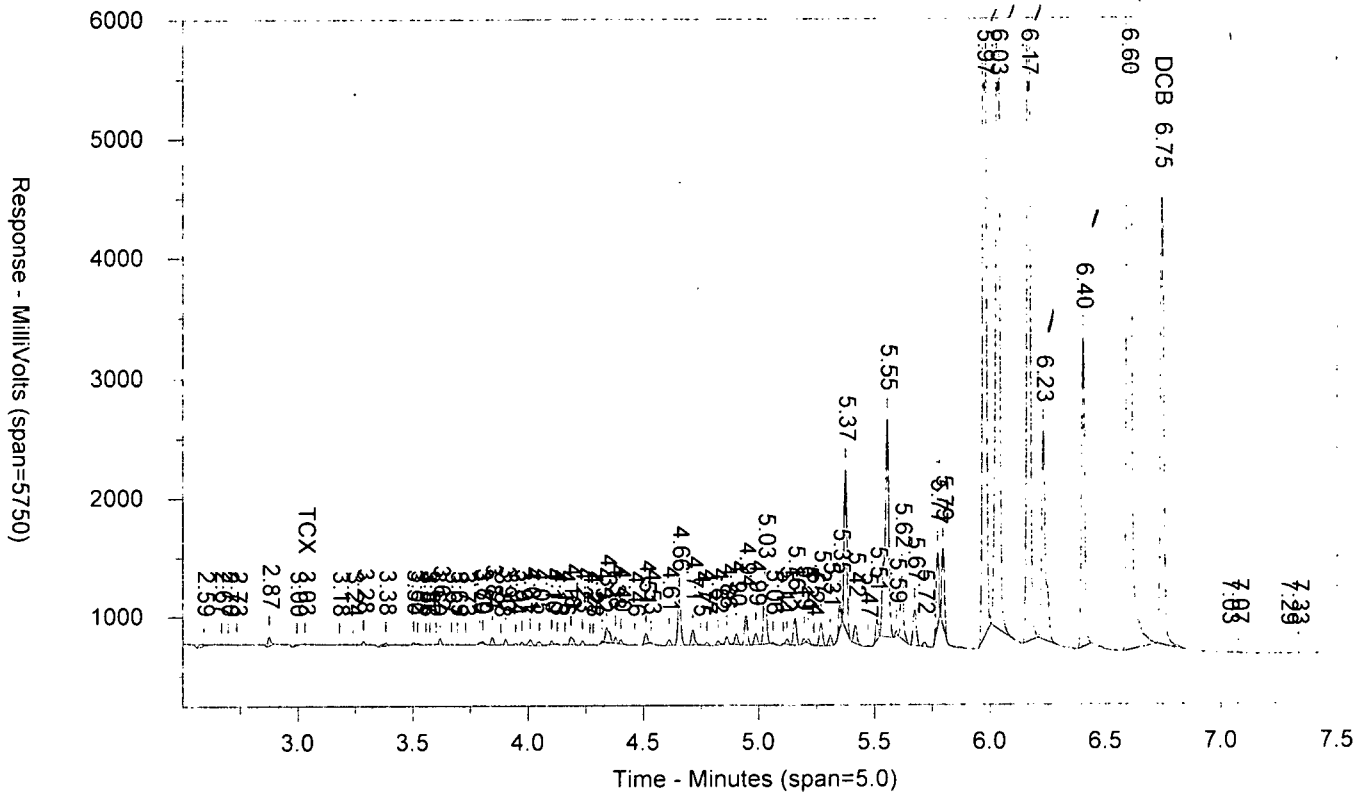

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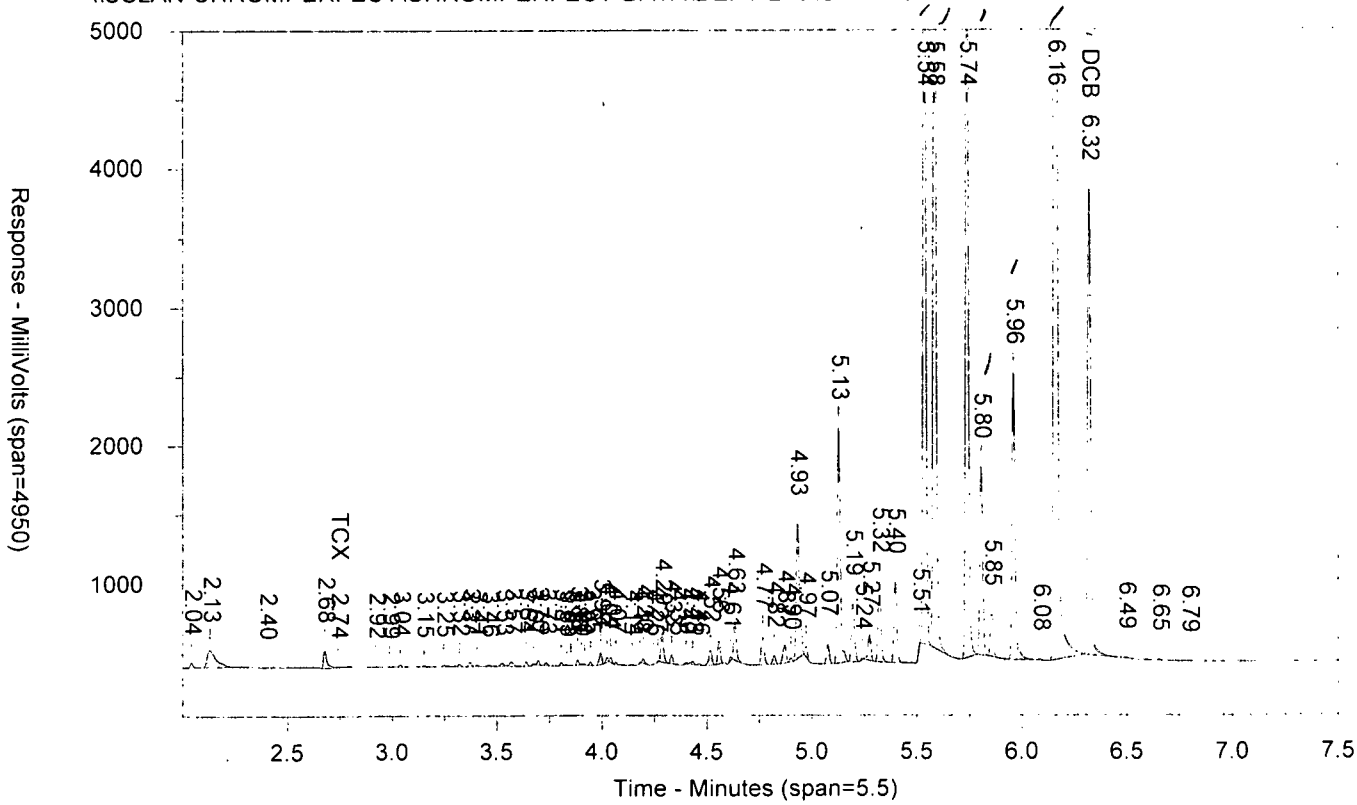

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	6408	.01	TCX	2.74	3235	.011	TCX
6.747	3752436	14.702	DCB	6.319	3358971	14.558	DCB

Files:
Area File: 07PCBS17292001.0026.RAW
Area File: 07PCBS17292001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:27:35 AM
File Reported On: 10/22/2017 at 1:36:51 PM

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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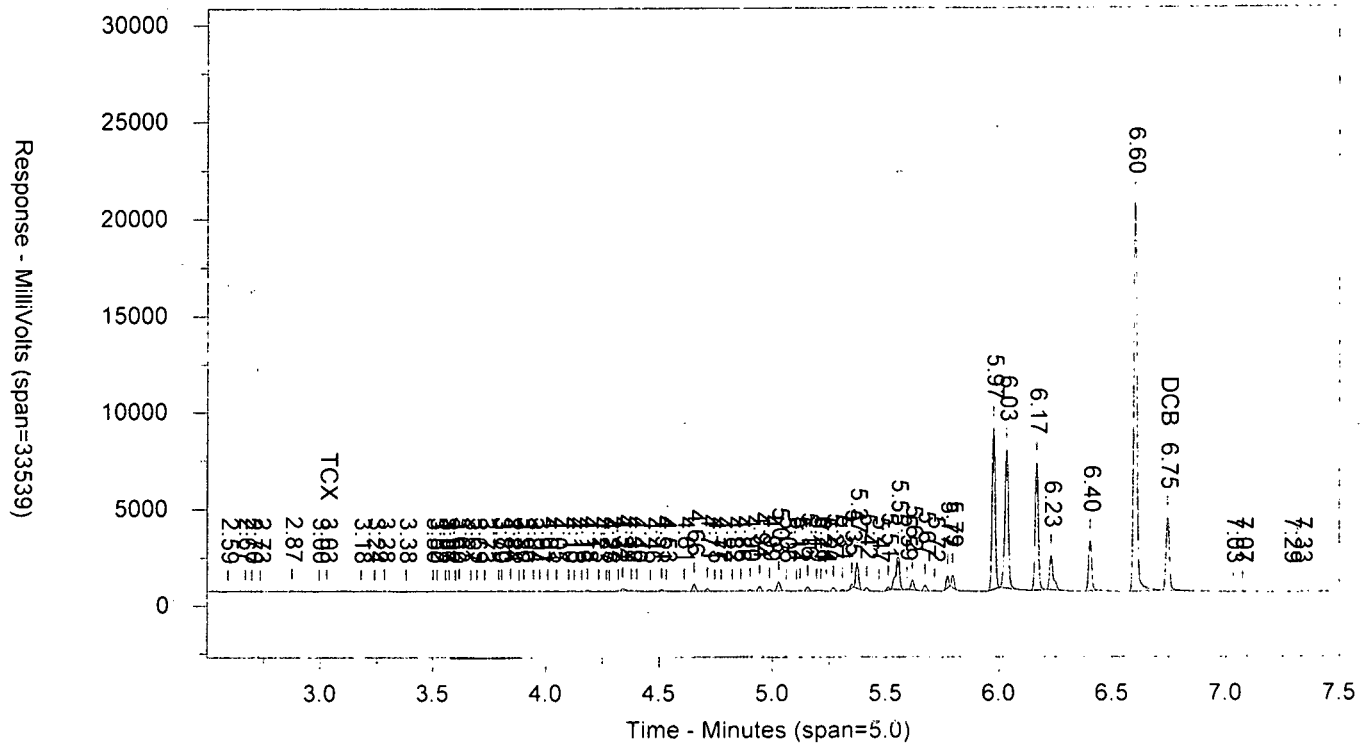

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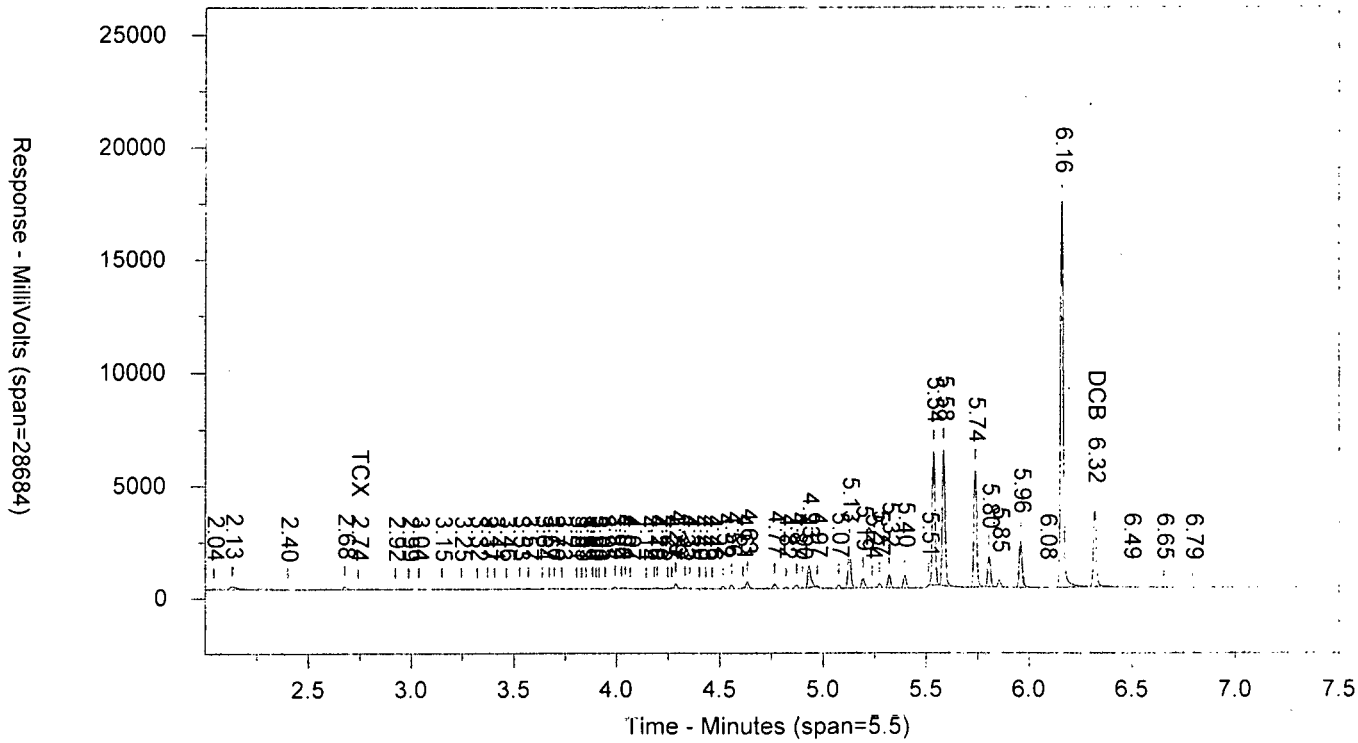

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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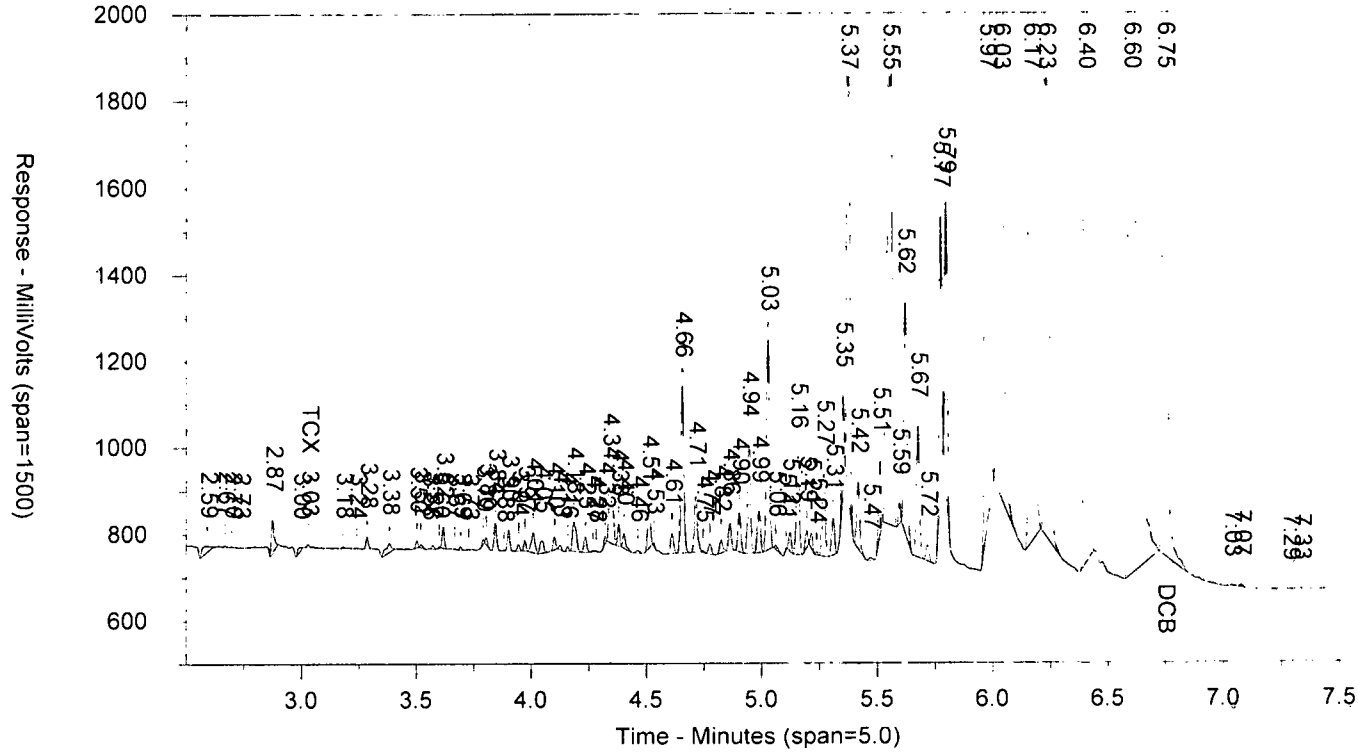

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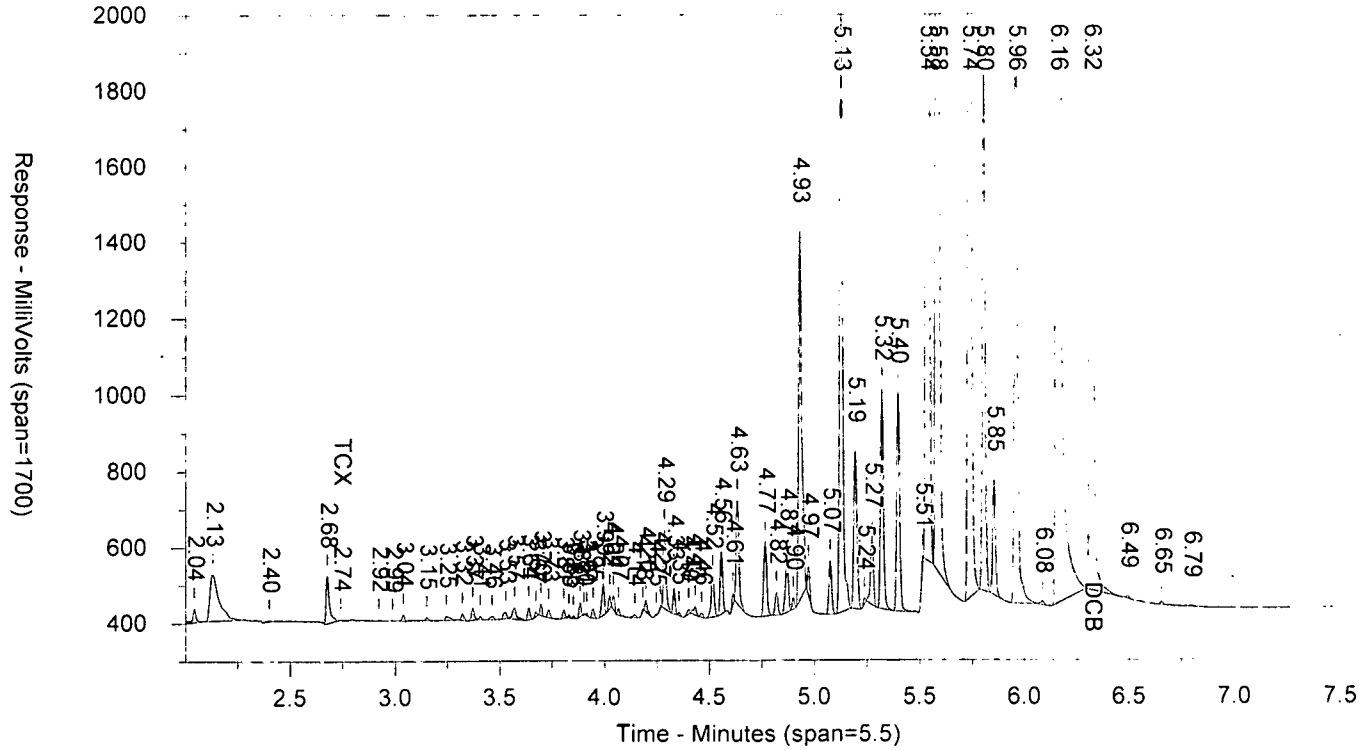

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM 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: 07PCBS17292001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.679		49262	207312
1.727		17271	24819
1.807		2675	3088
1.954		1917	844
2.134		52721	130036
2.189		201998	713458
2.316		119587	92738
2.41		44037	28805
2.426		43402	30129
2.467		3021	2038
2.521		4055	2134
2.597		4860	36069
2.638		12366	7248
2.662		703157	484251
2.874		58732	46312
2.942		214106	167561
3.028	TCX	26243510	17172220
3.129		5145	2570
3.181		1026074	855111
3.237		884607	732944
3.285		3187332	2109036
3.361		56718	36825
3.38		25200	13775
3.501		188175	107227
3.519		104779	79878
3.555		21328	9879
3.585		294713	197477
3.617		230726	158960
3.675		47123	30391
3.696		3210	1360
3.729		50080	28291
3.745		45898	24077
3.769		2225	1008
3.791		85877	45137
3.803		199183	104314
3.841		251894	195956
3.881		1888	622
3.903		166791	122616
3.943		9466	6898
3.972		50852	36087
3.999		38729	33461
4.048		12110	12200
4.074		1559	544
4.1		55933	39566
4.126		21684	14929
4.157		21112	15026
4.194		81716	79468
4.234		22194	19565
4.282		2840	2632
4.323		1761	968
4.355		36229	27923
4.377		31258	18737
4.401		40734	29539

RT A	Compound A	Height A	Area A
4.461		1340	840
4.51		41962	34916
4.53		11393	7177
4.611		4549	3050
4.66		24276	24400
4.713		49814	46045
4.751		6962	7121
4.775		14738	12494
4.86		12886	11313
4.902		3941	3378
4.946		4480	3807
4.991		12449	12670
5.027		142222	132119
5.06		11569	22529
5.121		15525	18290
5.156		10132	8721
5.193		6846	5239
5.214		15908	12502
5.268		204762	194106
5.308		4527	3315
5.35		6038	4535
5.473		9202	11392
5.518		4147	3927
5.537		4179	2981
5.592		10918	13877
5.618		11462	17683
5.674		131584	127260
5.797		242682	244767
5.883		3171	3037
5.976		15737	14720
6.03		9817	15308
6.115		3291	6146
6.166		188972	187655
6.23		227200	190665
6.403		4331	4548
6.528		1613	686
6.601		125649	127982
6.698		2989	2472
6.747	DCB	9969305	10325920
7.22		7111	7279
7.297		1266	754
7.844		1407	662
7.934		1346	477
7.976		1008	408
8.097		1462	612
8.321		1686	749
8.531		1087	320
8.571		1626	810

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM 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, 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: 07PCBS17292001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.615		5180	17646
1.917		2773	9609
2.049		70888	116804
2.132		78996	162694
2.178		19738	15543
2.33		3021	2411
2.399		2931	5770
2.427		388902	318887
2.656		4540	2264
2.676		86072	72290
2.704		119364	83507
2.749	TCX	12729980	8756059
2.791		142061	116262
2.921		629041	489066
2.97		46673	22563
2.983		363581	222145
3.036		1594291	1136897
3.087		24226	15289
3.149		17620	13608
3.227		2717	1216
3.246		75037	41352
3.257		27322	29514
3.289		44162	37939
3.32		22888	15092
3.346		140160	92007
3.369		123157	83718
3.405		9640	5861
3.434		30245	16822
3.452		25903	13718
3.468		26831	14790
3.528		200817	221932
3.562		125530	116158
3.637		103619	75803
3.671		33072	22129
3.696		33671	20971
3.715		8710	4743
3.805		39952	29094
3.83		15470	8991
3.851		13284	8751
3.882		13203	7640
3.902		37215	31161
3.944		13277	10287
3.994		4459	2859
4.016		15297	10779
4.04		37722	26624
4.066		27455	19913
4.142		6550	4466
4.181		7863	4446
4.209		7028	4200
4.247		4978	3934
4.286		3204	2386
4.31		4457	2863
4.33		17848	12706
4.355		5974	3998

4.4		2389	2834
4.418		9903	12908
4.517		10376	15991
4.554		3498	2633
4.587		4552	3649
4.632		93247	89652
4.764		10384	10902
4.821		15527	13626
4.871		137466	123233
4.948		4675	2978
5.048		3316	6392
5.128		9448	8475
5.153		3225	2216
5.195		14062	15274
5.274		86792	93344
5.396		178844	176276
5.536		7435	7361
5.585		13143	12944
5.738		153309	154800
5.806		218491	211083
5.855		55309	51861
5.96		3804	3116
6.159		110165	105102
6.319	DCB	9035047	9006623
6.766		6239	5404
8.627		1942	2529

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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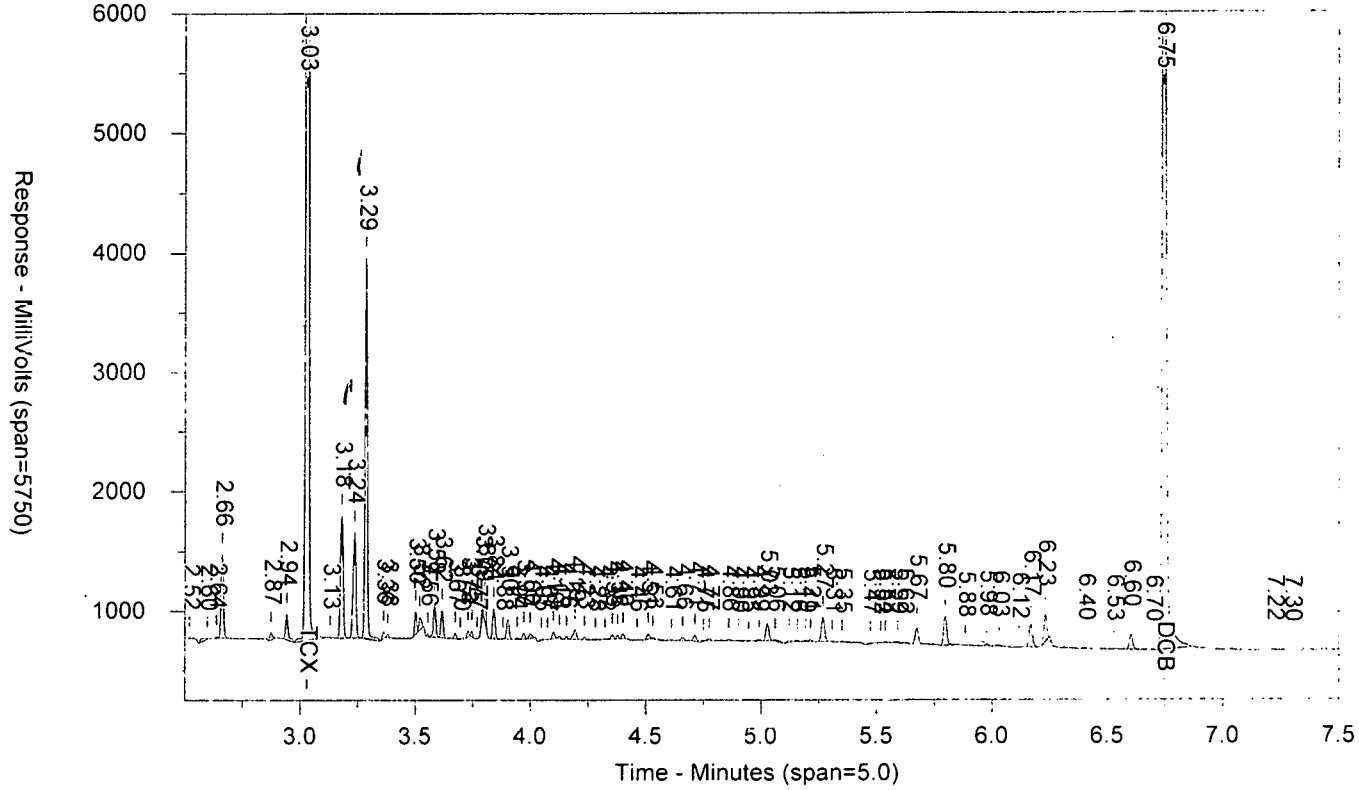

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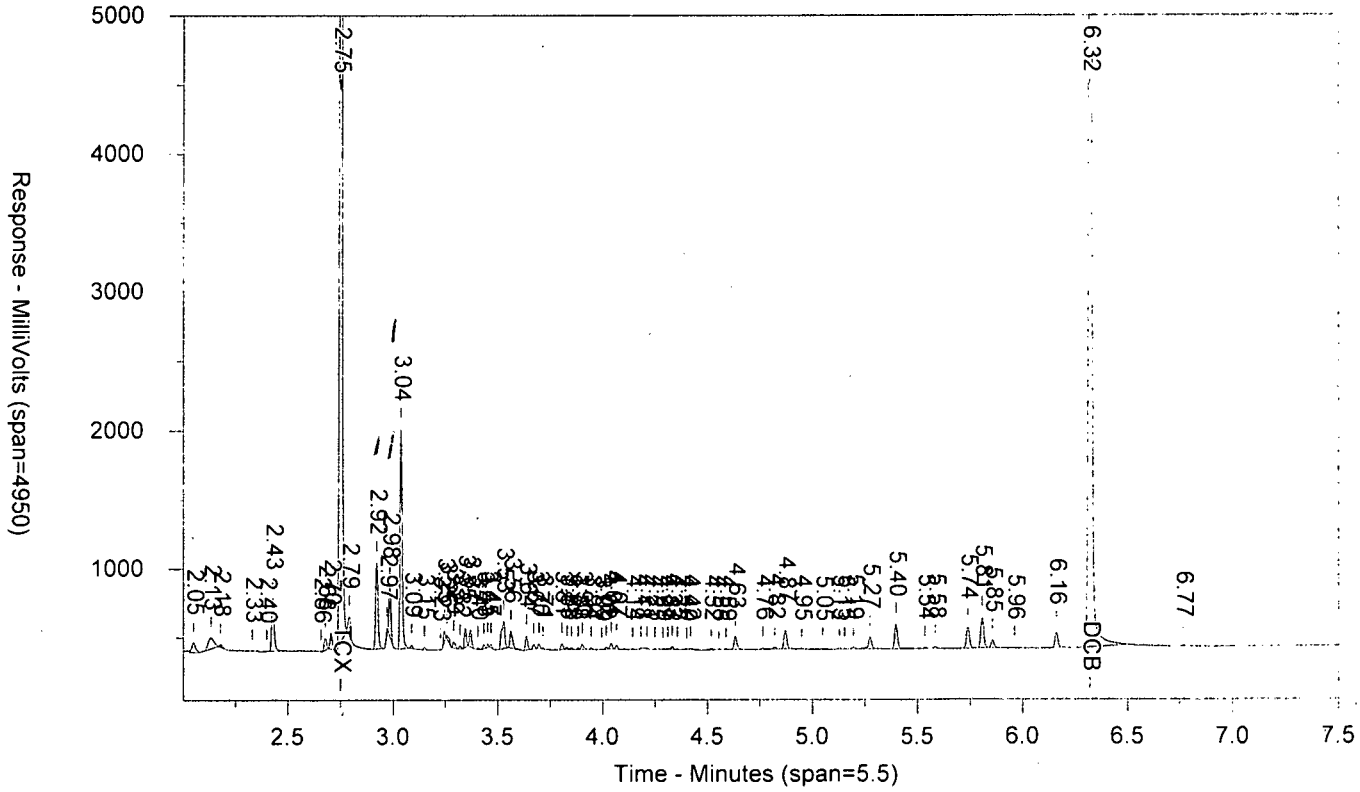

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	26243510	41.331	TCX	2.749	12729980	41.937	TCX
6.747	9969305	39.061	DCB	6.319	9035047	39.157	DCB

Files:
Area File: 07PCBS17292001.0027.RAW
Area File: 07PCBS17292001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:38:59 AM
File Reported On: 10/22/2017 at 1:37:01 PM

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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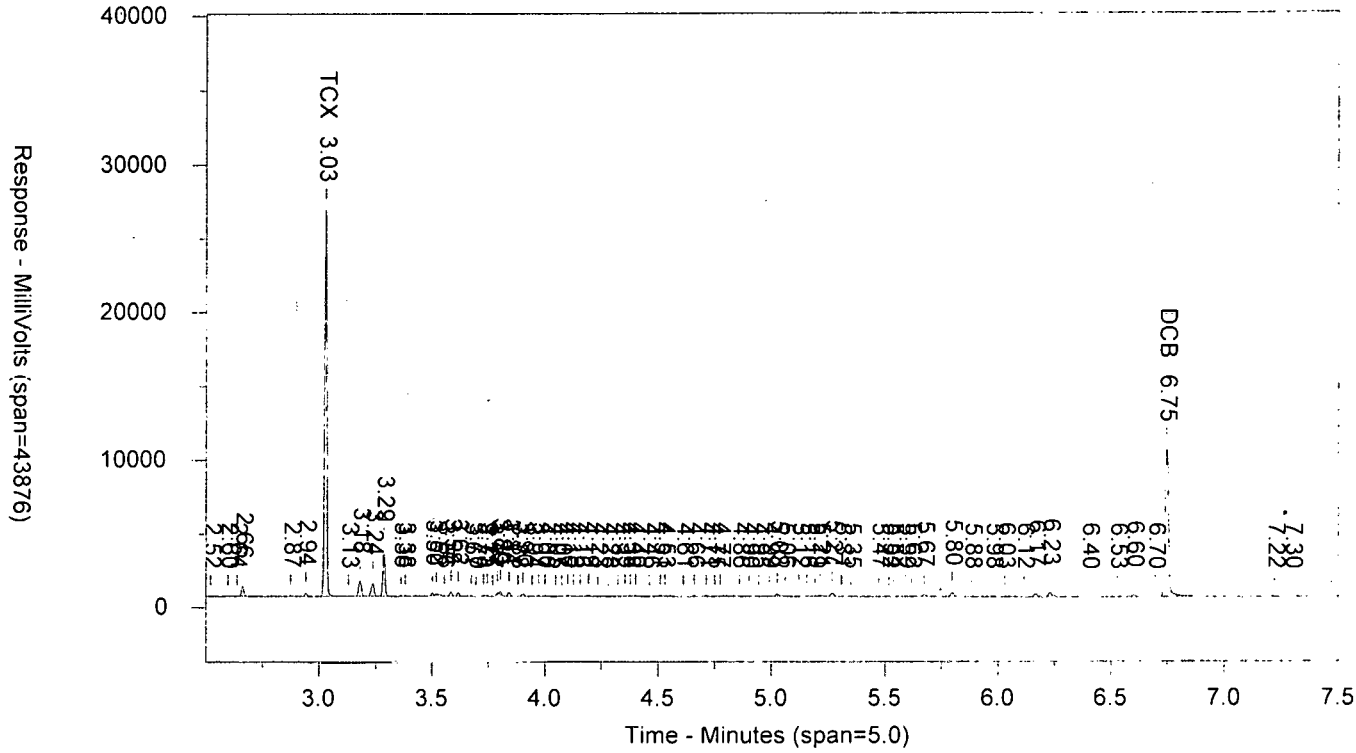

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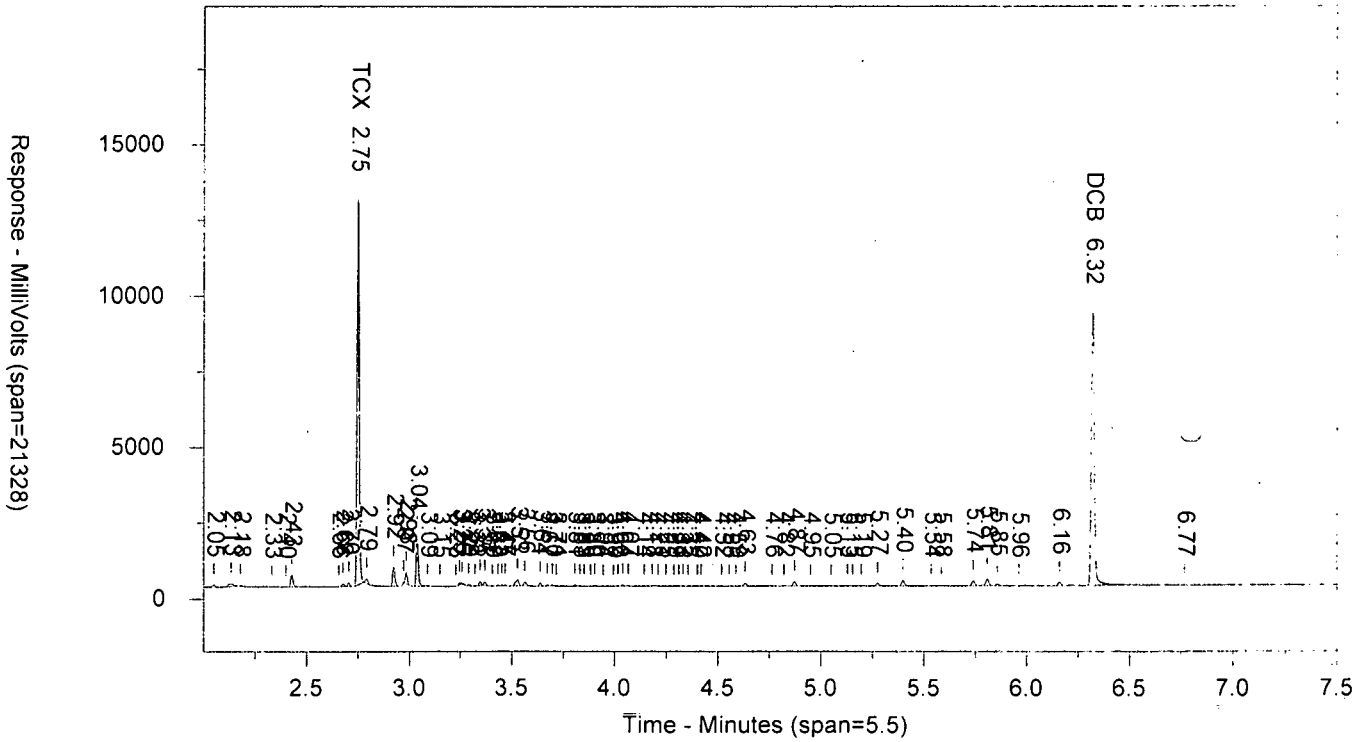

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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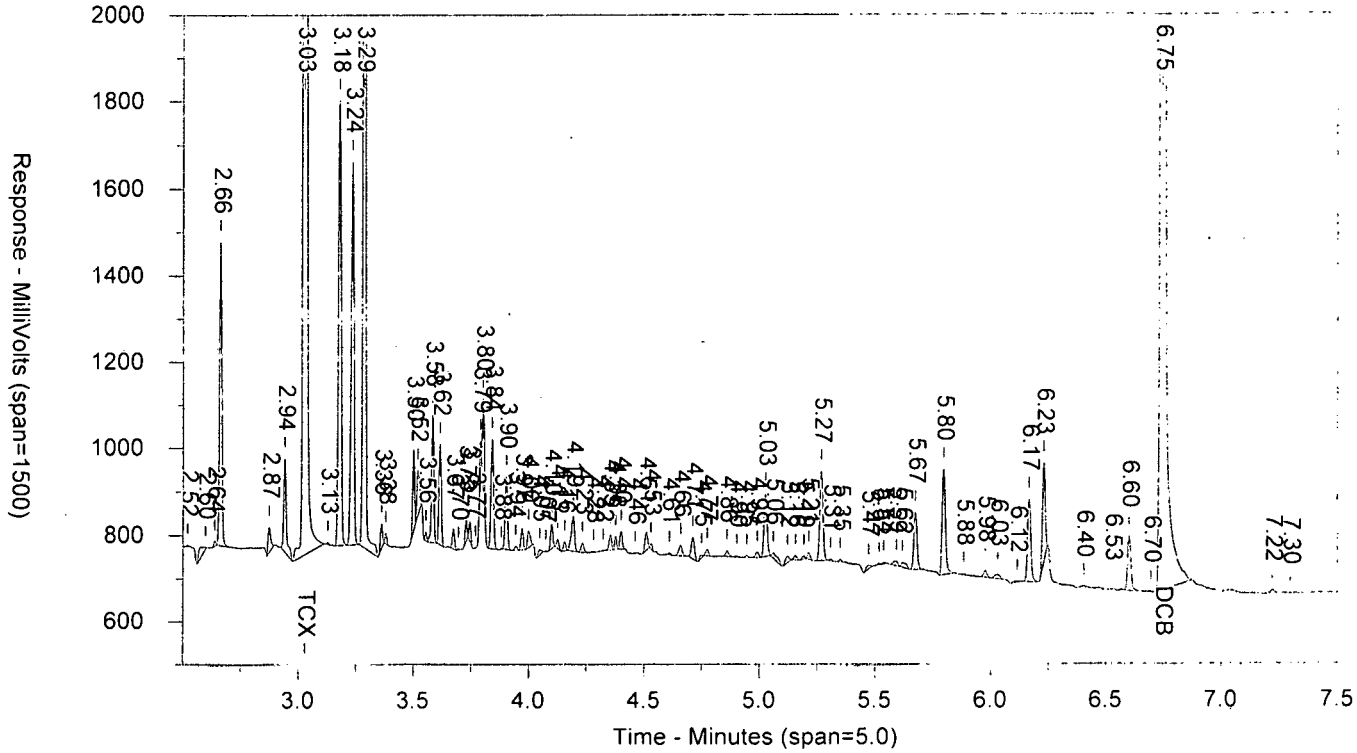

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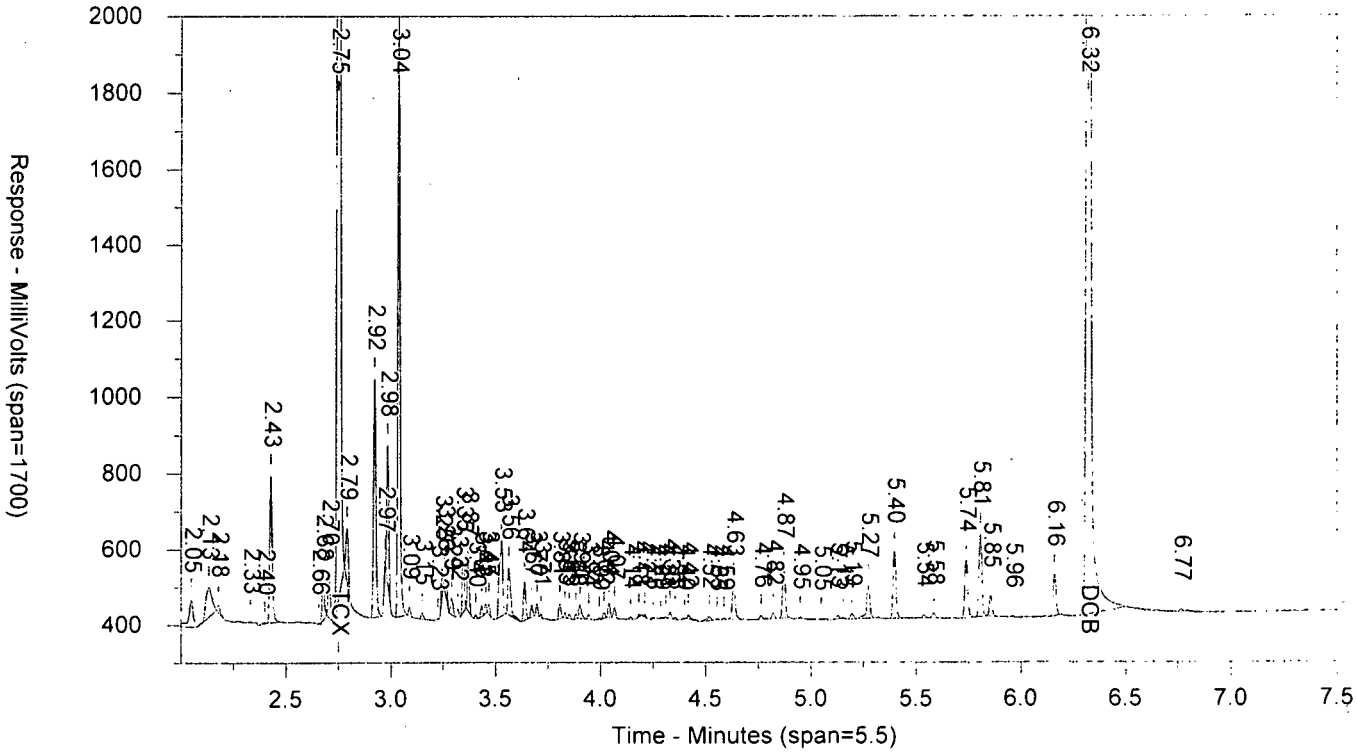

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM 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: 07PCBS17292001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.669		49530	165509
1.726		11652	12939
2.135		50213	168439
2.186		315809	776659
2.238		84863	232443
2.314		139388	141290
2.34		34872	54631
2.409		72249	59866
2.425		59360	58667
2.468		12477	18518
2.518		7566	6390
2.592		16706	46883
2.637		10247	6278
2.661		424168	287901
2.874		93546	113354
2.941		104226	91921
3.027	TCX	25929520	17012390
3.128		4559	2345
3.179		731555	599032
3.236		646526	576119
3.284		2447347	1610258
3.36		51903	31172
3.379		108849	64942
3.501		968854	572864
3.518		472103	261026
3.554		105390	55220
3.571		23460	9631
3.584		187411	99403
3.616		1128079	797070
3.652		5846	3487
3.673		43859	26717
3.692		50983	30928
3.728		240564	139035
3.744		129484	67407
3.79		601486	331729
3.802		1052380	552111
3.84		1380101	1028098
3.902		1039840	767837
3.943		75474	53557
3.971		591631	428636
3.999		456729	387845
4.022		129753	65885
4.049		7752	5840
4.099		712486	498041
4.124		244428	163088
4.156		279639	201436
4.192		781624	745170
4.233		230316	185060
4.28		43731	34201
4.322		51669	40607
4.355		467544	318725
4.376		553255	368432
4.4		738072	544225

RT A	Compound A	Height A	Area A
4.459		38255	51691
4.509		496144	395110
4.53		256258	159586
4.55		45976	25762
4.591		10210	6441
4.614		19686	16625
4.658		105270	96402
4.711		178721	157191
4.744		75590	56822
4.773		216590	186732
4.822		12713	11069
4.86		116360	105182
4.901		26250	27755
4.948		22732	20978
4.991		142464	129073
5.026		132824	119666
5.06		4011	2646
5.103		8691	4963
5.12		14304	9236
5.153		19496	18223
5.192		140541	121340
5.267		194875	182580
5.31		39532	33804
5.35		6396	4048
5.372		8868	7535
5.423		16741	28109
5.475		5554	7349
5.515		8995	6354
5.537		14240	11755
5.592		15559	15799
5.617		5399	2935
5.673		123587	120529
5.716		6186	4635
5.772		12864	9001
5.796		218658	198568
5.977		23553	21365
6.021		9551	13767
6.106		3309	3295
6.166		178478	177177
6.23		226134	181942
6.401		7362	7215
6.471		4450	4131
6.531		1906	1164
6.568		2234	1853
6.601		119614	118829
6.747	DCB	9572325	10206420
6.961		2624	1492
6.996		1748	768
7.218		8272	9575
7.363		1616	333
7.398		969	446
7.56		1552	1230
7.638		1259	1096
7.664		1850	762
7.773		864	289
7.841		1415	1025
8.138		1402	550
8.226		1589	474
8.275		1466	315
8.342		1452	541
8.409		1827	1743
8.59		1131	514

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM 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, 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: 07PCBS17292001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.636		2390	15106
1.913		2374	10060
2.023		8262	19775
2.049		69934	85937
2.131		135168	269103
2.177		17109	12829
2.329		3377	2950
2.394		3764	6887
2.427		239648	196147
2.55		2971	5214
2.656		6119	3391
2.676		128937	115546
2.704		63229	42391
2.749	TCX	12562600	8666095
2.791		108199	85924
2.921		451057	350896
2.97		55711	29149
2.983		252852	146755
3.036		1264087	911195
3.087		24003	16608
3.149		73184	53503
3.245		629870	742233
3.296		76538	57610
3.32		70584	45740
3.346		97308	57727
3.369		605846	452875
3.405		40032	25320
3.433		29247	14366
3.451		132686	74319
3.467		79272	41748
3.518		165832	109194
3.528		568605	284867
3.562		619169	495619
3.637		589341	433425
3.671		342834	235281
3.695		376712	237933
3.714		102240	56585
3.805		460471	353000
3.829		164344	97398
3.851		163747	108703
3.882		105346	58994
3.901		354481	260512
3.944		152636	126164
3.994		22664	15937
4.016		240380	161575
4.039		505154	350096
4.065		440080	327519
4.105		14142	7448
4.142		103383	89738
4.18		265044	219142
4.21		186285	126520
4.258		13120	15451
4.295		62202	56036
4.329		17004	11404

4.355		99064	81337
4.389		55191	41961
4.418		149680	125709
4.516		76582	96482
4.552		15664	12066
4.586		93599	75742
4.631		75692	60877
4.655		9800	5505
4.682		6769	5540
4.762		27597	28447
4.816		91228	89201
4.87		122746	104515
4.897		19944	14631
4.932		3713	1972
4.969		4820	3500
5.127		16500	14351
5.152		6474	4331
5.195		14868	17342
5.239		4174	2675
5.273		79172	73456
5.319		18957	17998
5.396		169227	156961
5.536		6628	10421
5.582		19896	22910
5.737		151679	144539
5.805		208700	201398
5.854		55599	50409
5.959		5888	6124
6.158		101191	95066
6.319	DCB	8892238	8882291
6.765		6688	5287
6.8		2913	3342
8.541		1697	2401
8.632		2224	2454

AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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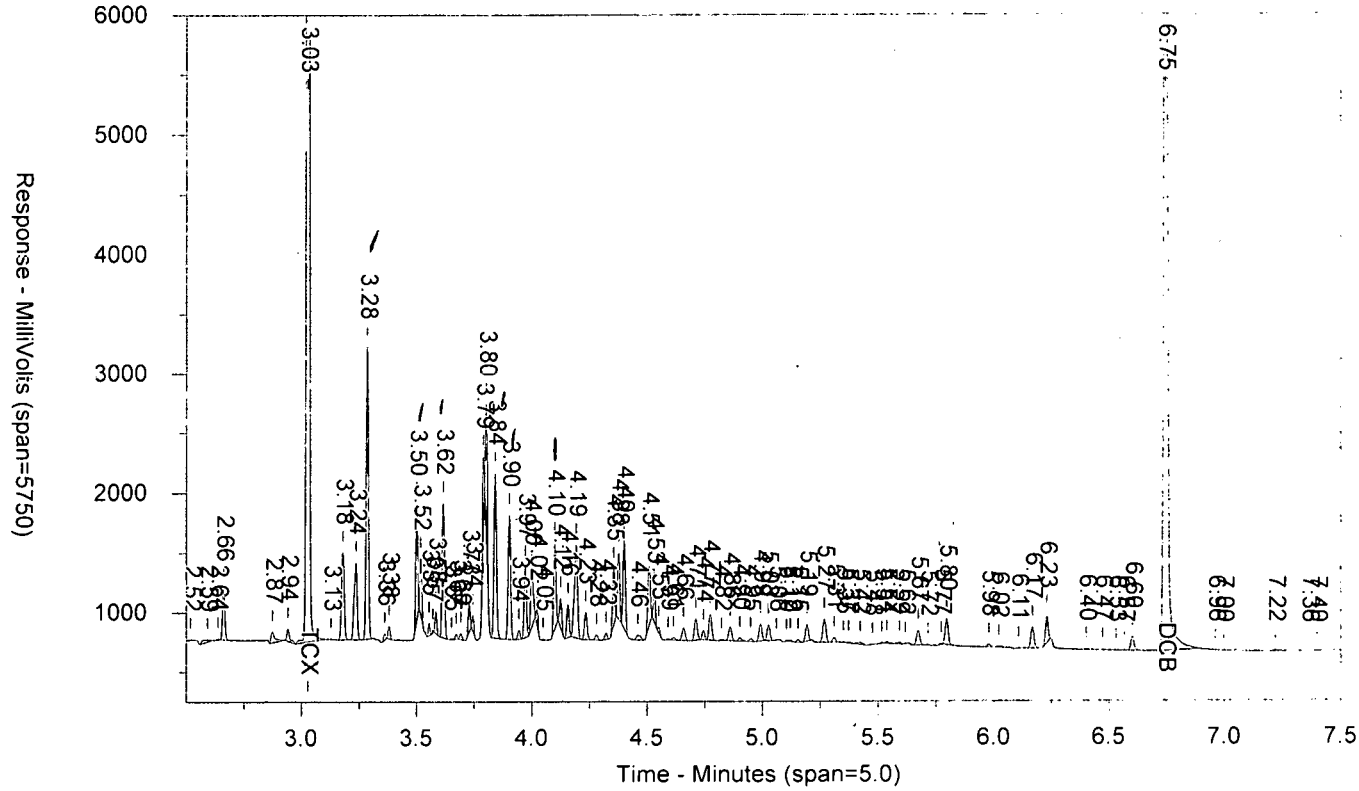

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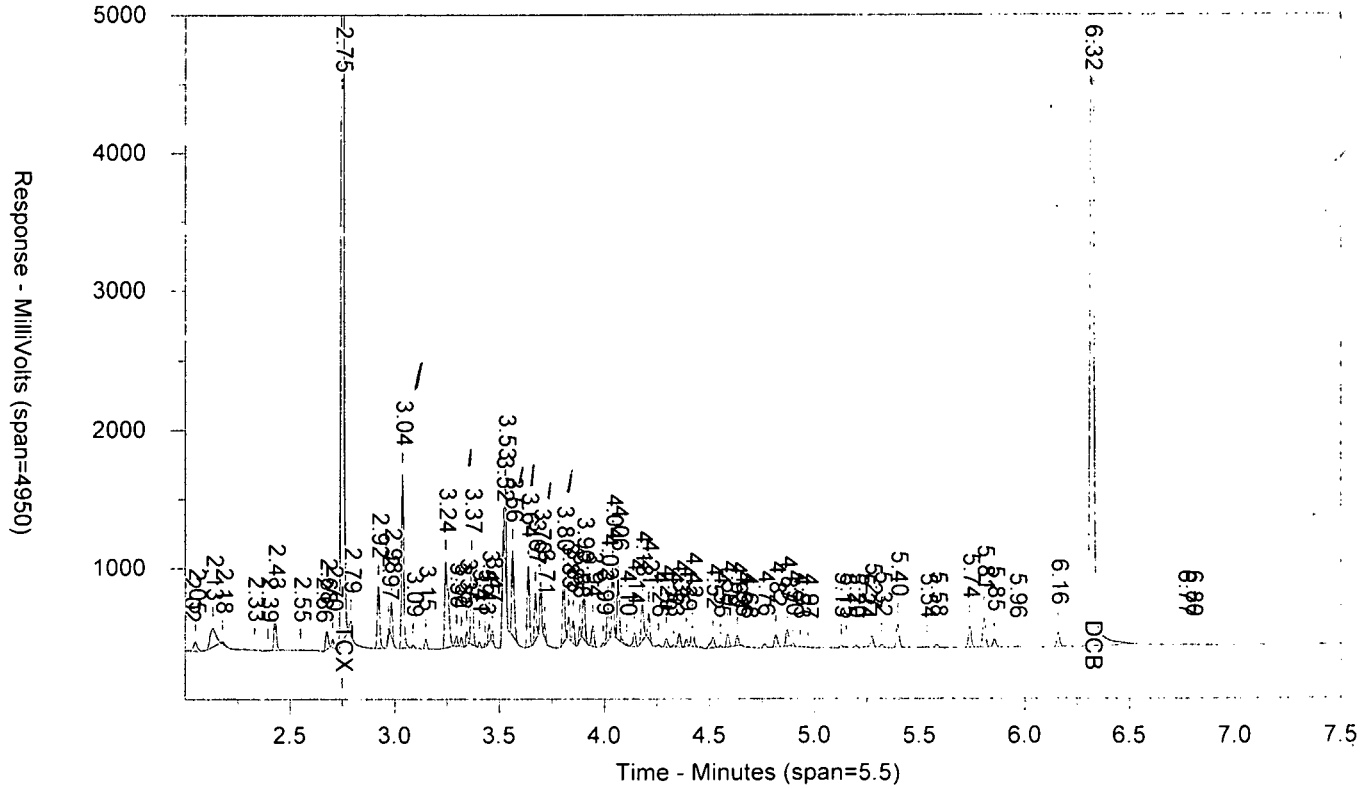

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.027	25929520	40.837	TCX	2.749	12562600	41.386	TCX
6.747	9572325	37.505	DCB	6.319	8892238	38.538	DCB

Files:
Area File: 07PCBS17292001.0028.RAW
Area File: 07PCBS17292001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:50:13 AM
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AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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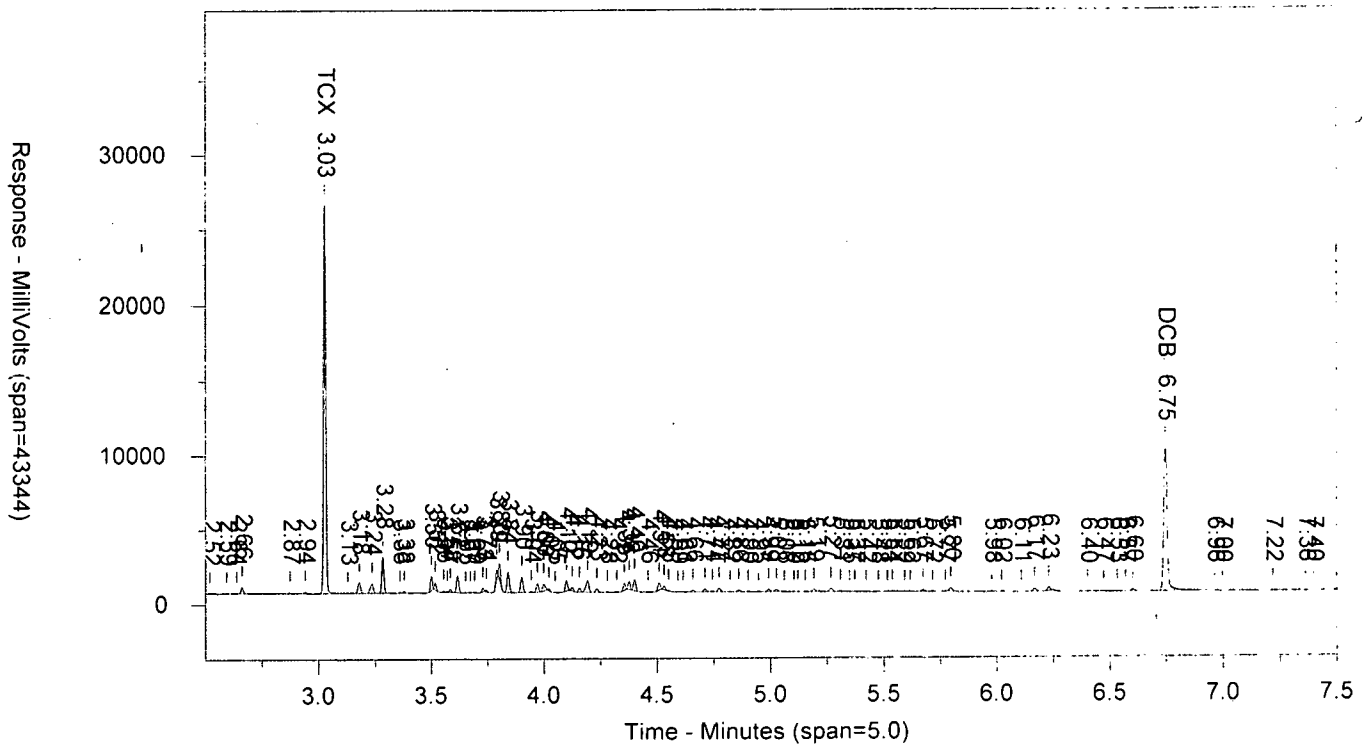

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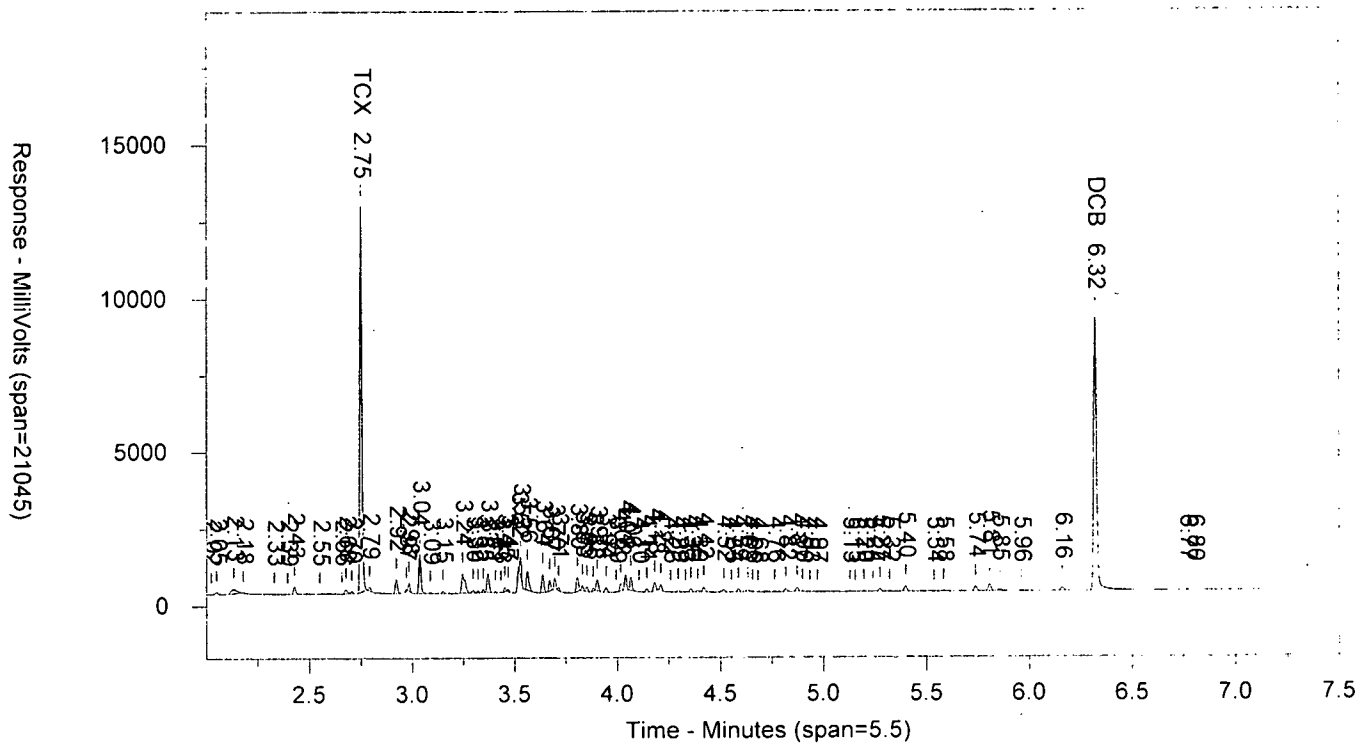

AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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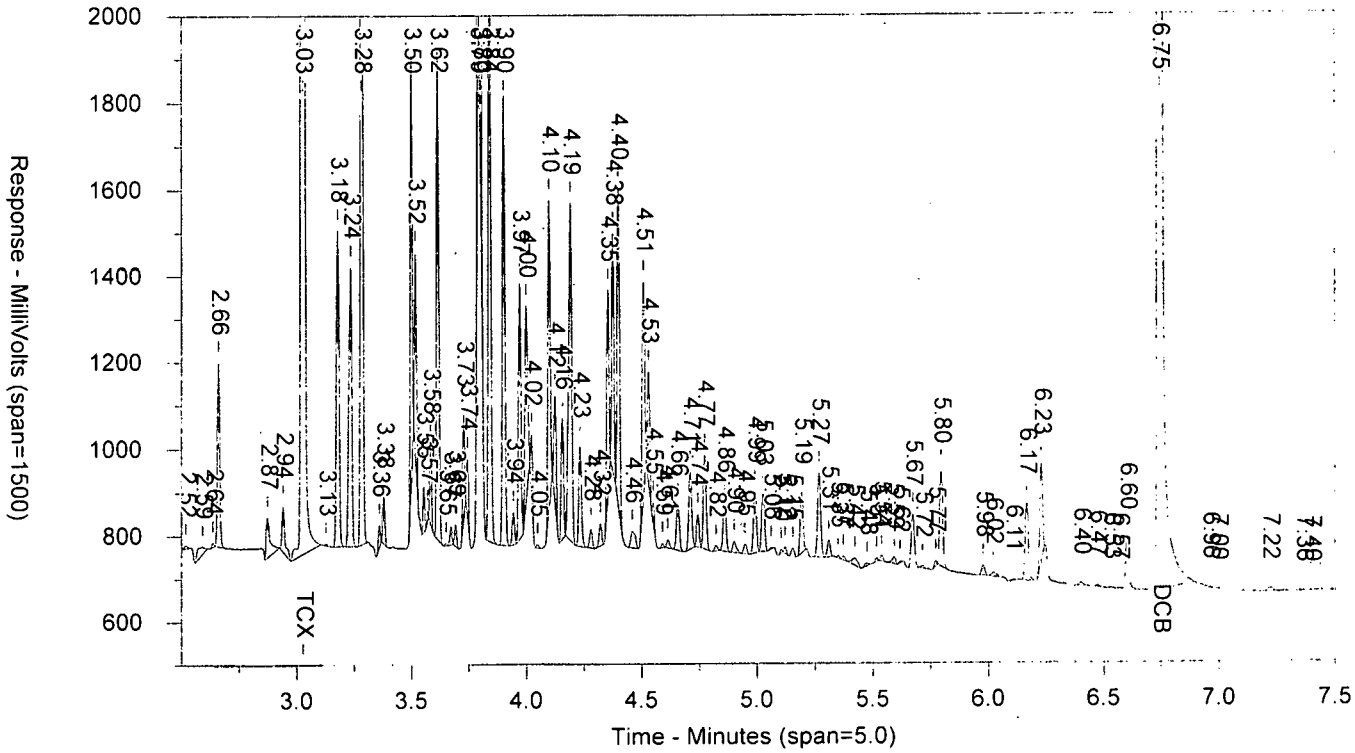

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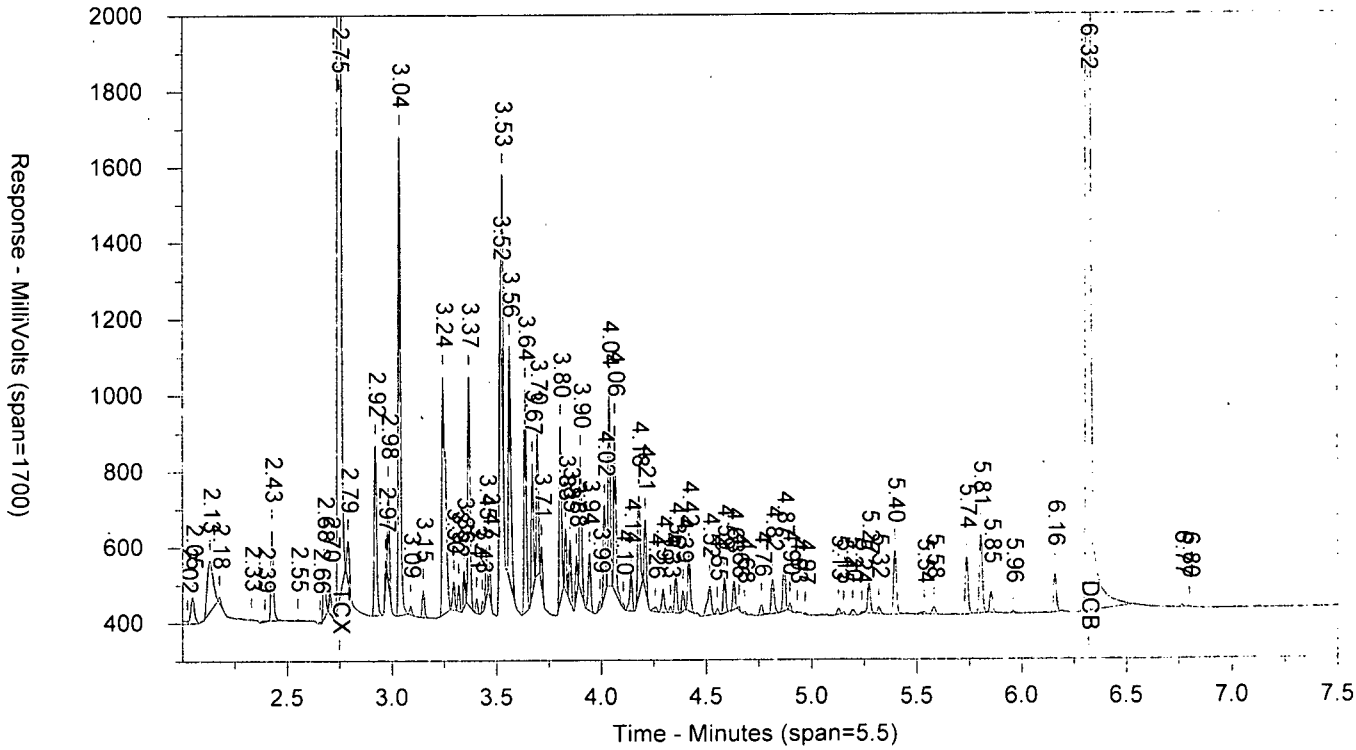

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM 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: 07PCBS17292001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		2062	1343
1.669		43564	147027
1.726		15224	16878
1.807		2567	1850
1.922		2432	1230
1.954		2451	2097
2.121		35821	68118
2.185		110455	286168
2.234		33968	59343
2.316		107994	78985
2.41		54965	35225
2.427		44543	30512
2.521		5817	3980
2.581		12614	20708
2.639		10331	6677
2.664		36687	26348
2.722		1699	1284
2.843		5566	10499
2.875		38534	30015
2.958		19968	23686
3.029	TCX	25694570	16522280
3.161		9522	4131
3.181		416426	338626
3.236		394800	403678
3.286		1726874	1147480
3.362		43069	24837
3.38		192010	118110
3.419		5738	3785
3.502		1709918	1009706
3.519		850569	448614
3.556		176784	100399
3.572		79423	34385
3.586		88566	39564
3.618		1994903	1393103
3.653		8728	4259
3.674		32374	20442
3.693		133211	83460
3.73		367403	220999
3.746		193677	101421
3.791		1028332	574688
3.804		1780496	920221
3.842		2394315	1807082
3.882		1099	357
3.903		1772191	1324616
3.945		141863	99895
3.973		1137433	820861
4.001		854353	735021
4.023		236998	121182
4.05		9793	5866
4.101		1330623	936559
4.126		465660	301148
4.158		525528	375233
4.194		1394075	1384131

RT A	Compound A	Height A	Area A
4.235		429150	334593
4.282		77883	61204
4.323		102182	77581
4.356		852376	607954
4.378		1076762	711596
4.401		1355867	1011767
4.463		13542	13441
4.471		19571	11716
4.51		983740	766363
4.532		418022	259534
4.551		130930	70845
4.593		11509	7319
4.616		40884	32034
4.659		221239	207421
4.712		335168	293089
4.745		169023	125957
4.775		482680	410288
4.824		4983	2905
4.86		228645	206614
4.901		35543	44829
4.951		52751	48623
4.993		335200	303370
5.027		174352	151393
5.074		34994	42730
5.104		19656	12562
5.12		23923	16367
5.156		13733	11762
5.193		331773	331562
5.24		5567	3440
5.268		264676	244908
5.31		90064	77480
5.333		6536	3221
5.35		11959	7454
5.375		5457	3185
5.417		8977	15618
5.477		4990	7023
5.518		30983	24869
5.538		10717	5848
5.593		13889	13705
5.618		6080	2871
5.674		161277	156265
5.715		21862	19304
5.741		5063	3268
5.773		12715	7761
5.797		296072	270567
5.978		29295	29295
6.026		3770	3535
6.104		2102	1274
6.166		212751	206743
6.23		246628	211235
6.403		10315	10328
6.458		1571	366
6.571		2012	624
6.603		120834	124143
6.749	DCB	9447477	9707652
7.036		4169	8757
7.106		1367	396
7.222		8226	8546
7.266		1098	388
7.32		843	501
7.394		1612	718
7.567		1185	742
7.597		1478	717
7.681		1366	471
7.731		1533	689
7.751		1293	695

RT A	Compound A	Height A	Area A
7.826		1009	509
8.023		1258	419
8.046		1476	517
8.412		1602	958
8.679		1233	293

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 . 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM 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, 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: 07PCBS17292001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.61		2970	7370
1.905		3653	8795
2.013		2587	6683
2.049		61370	69045
2.13		42535	85165
2.179		21316	17709
2.273		2612	3628
2.332		2083	1658
2.399		3996	6838
2.429		21548	18355
2.66		3206	2158
2.677		65929	75965
2.749	TCX	12323110	8474607
2.792		70893	48792
2.922		268075	213991
2.97		73769	37107
2.983		125809	68636
3.037		898329	662591
3.088		21848	14338
3.149		123123	91510
3.246		1089884	1237914
3.298		120894	77984
3.32		97427	63038
3.346		54319	31163
3.369		1038482	793386
3.406		85912	56295
3.434		18692	9017
3.452		217289	124257
3.468		113092	59836
3.519		385599	202676
3.528		947143	461383
3.563		1092970	908981
3.637		1014797	728076
3.672		644312	433012
3.696		712151	443011
3.715		192050	105734
3.805		866082	650217
3.83		307677	179153
3.851		299652	203415
3.883		187745	104088
3.901		633681	452405
3.945		274182	228309
3.994		48880	35823
4.016		426627	301228
4.04		956019	663228
4.066		788092	594395
4.105		30323	16988
4.142		214037	193200
4.181		513577	428973
4.211		320514	221238
4.259		27146	23453
4.295		136566	125965
4.331		17538	10617
4.355		218934	183323

4.389		125942	96543
4.419		312482	266697
4.517		144645	178401
4.553		35446	28634
4.586		215931	197042
4.633		96314	76393
4.655		19107	11405
4.684		17195	14066
4.762		47408	48785
4.816		206642	194592
4.87		156168	134234
4.898		54170	47336
4.945		8979	6935
5.048		2337	2879
5.127		13221	10128
5.152		24925	20503
5.194		18854	20633
5.238		4435	3001
5.274		98218	85732
5.298		4998	3061
5.32		14014	11520
5.396		216203	208218
5.513		1889	1402
5.535		7591	6037
5.582		21617	24081
5.738		178985	169385
5.805		254838	240249
5.854		70288	67845
5.958		6943	6596
6.159		110324	114885
6.319	DCB	8432271	8517683
6.764		5423	5288
8.632		2551	4085

AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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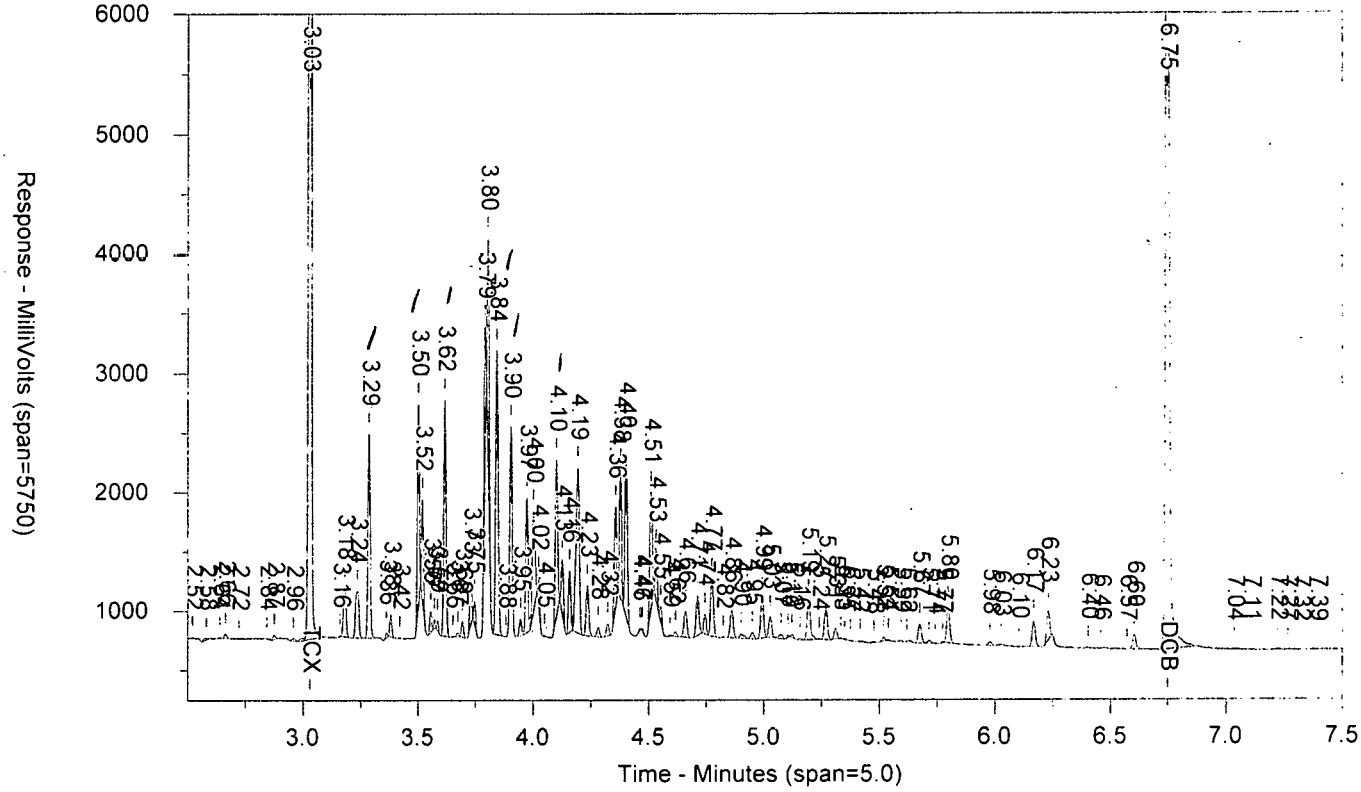

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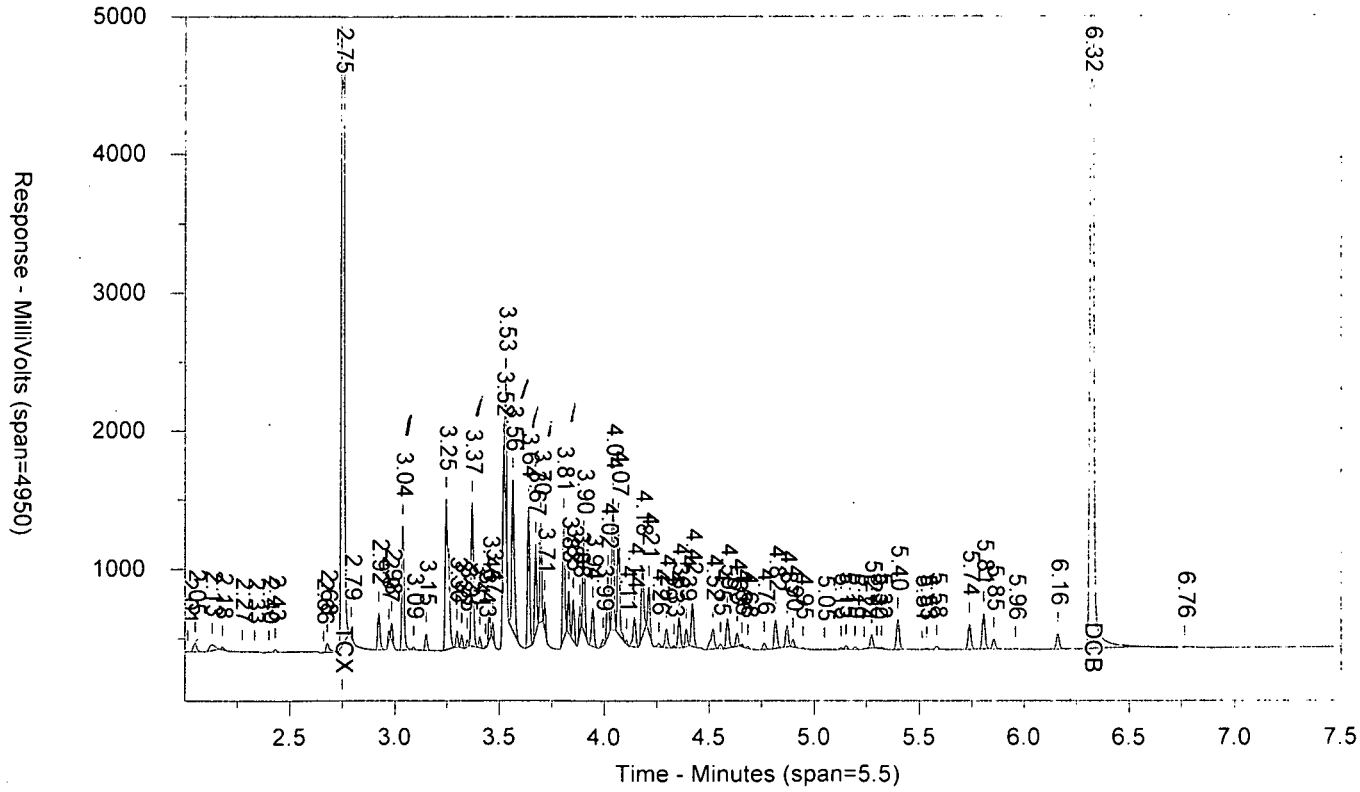

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	25694570	40.467	TCX	2.749	12323110	40.597	TCX
6.749	9447477	37.016	DCB	6.319	8432271	36.545	DCB

Files:
Area File: 07PCBS17292001.0029.RAW
Area File: 07PCBS17292001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:01:39 AM
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AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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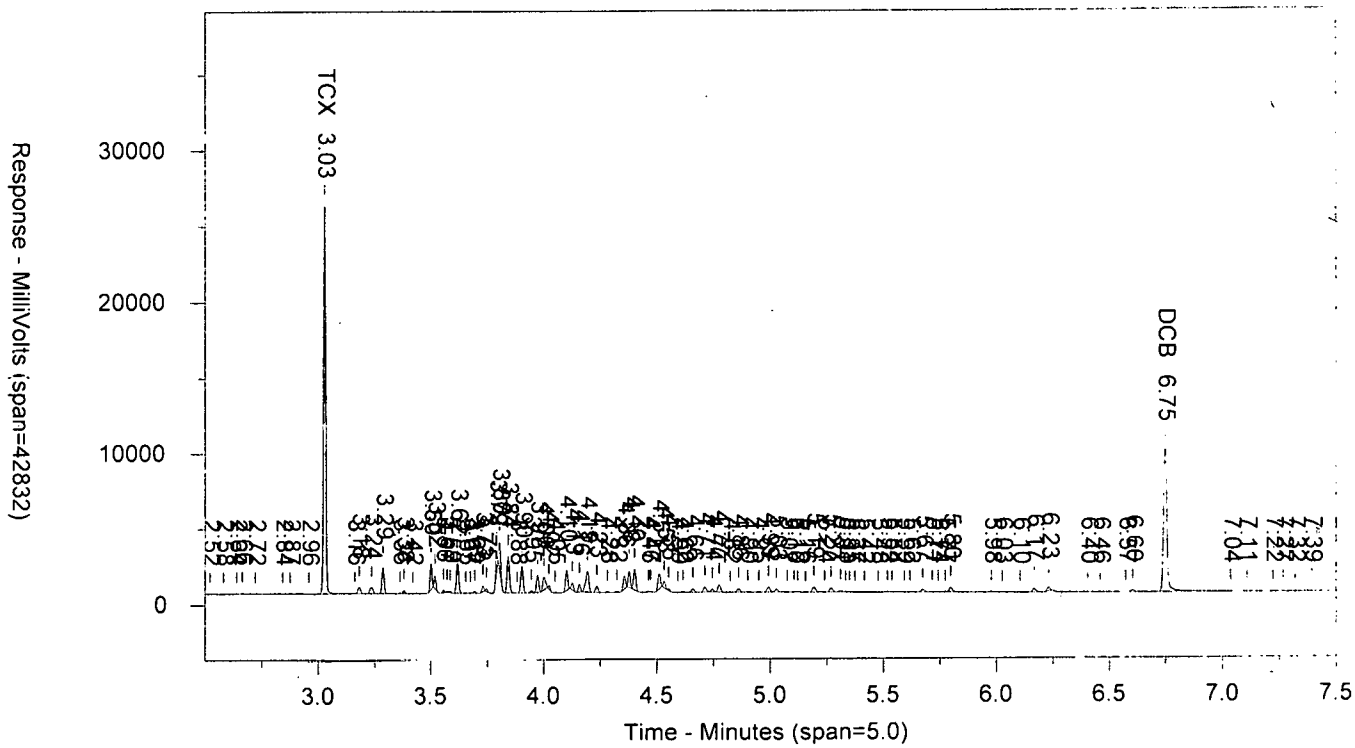

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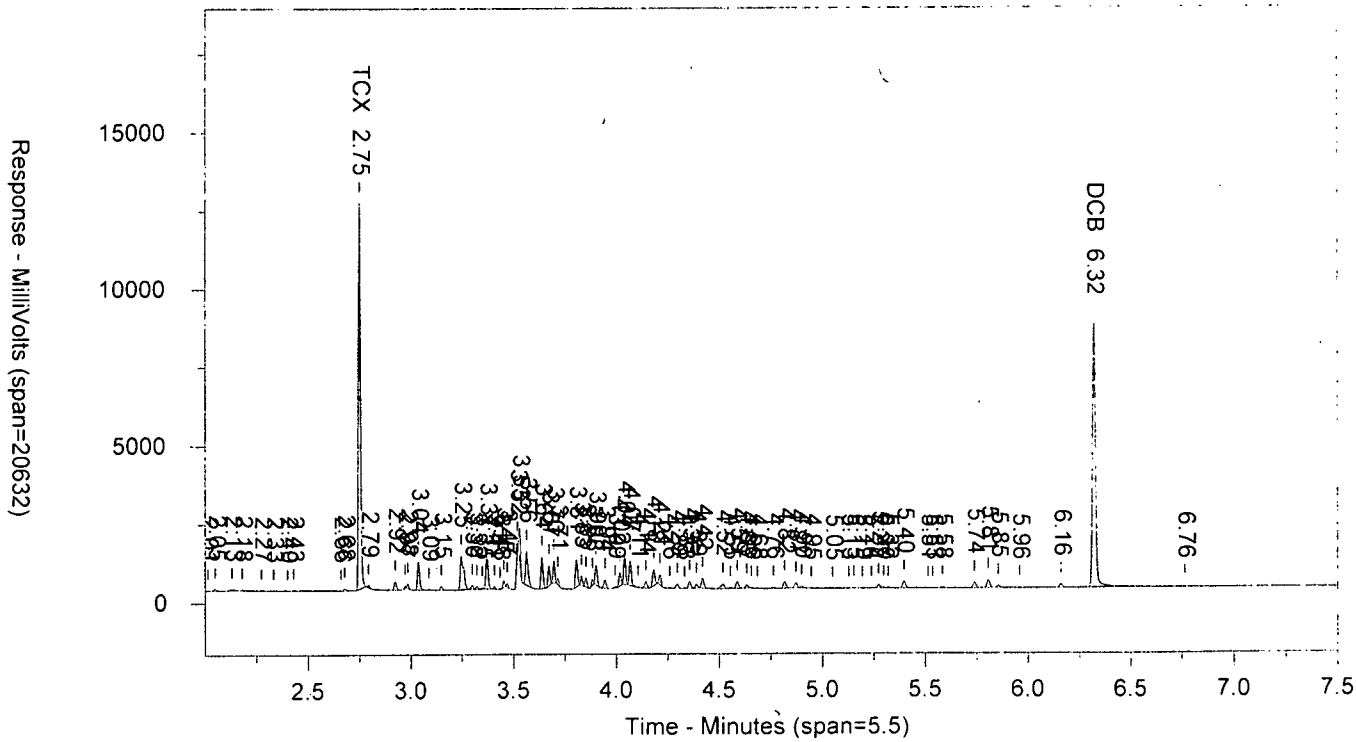

AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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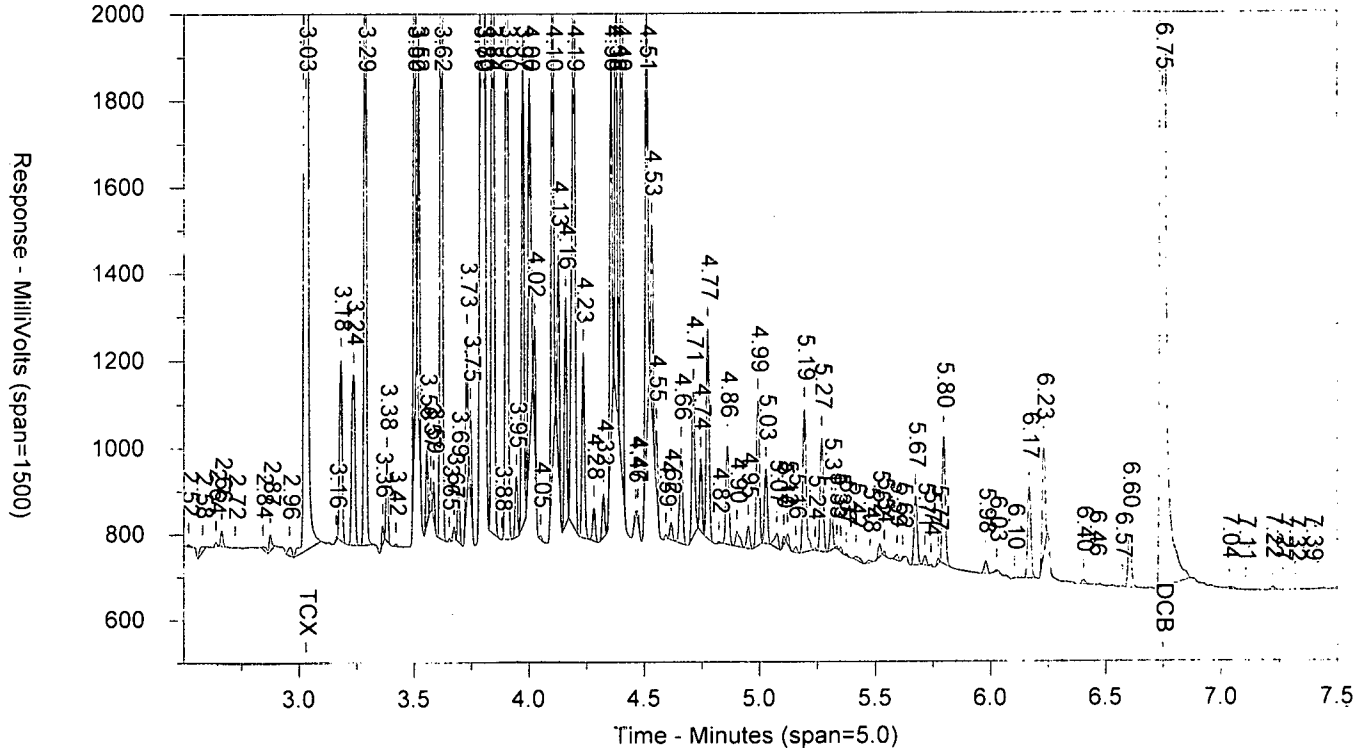

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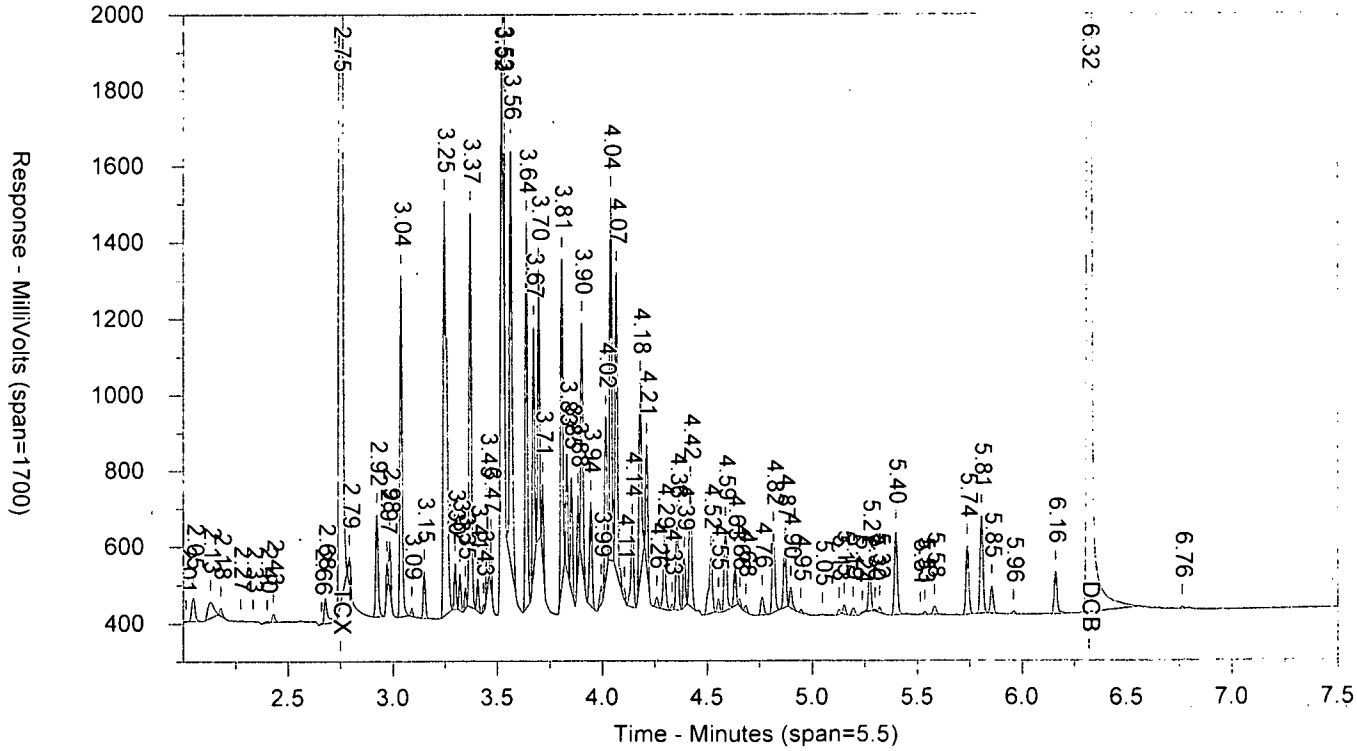

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM 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: 07PCBS17292001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.689		17395	169189
1.954		2064	1399
2.119		59615	93644
2.185		116900	337622
2.239		49960	100782
2.315		183557	186561
2.41		32116	26992
2.427		68349	49960
2.522		8378	5855
2.589		29239	63833
2.638		4779	3061
2.664		41731	28832
2.875		31452	22275
2.958		21850	26099
3.029	TCX	40462590	25969450
3.13		5982	3271
3.181		463731	388095
3.233		521689	527982
3.285		1956765	1317977
3.361		69246	41095
3.38		219766	136912
3.419		6766	4149
3.501		2025134	1196060
3.519		1013052	540391
3.556		214555	119323
3.572		84828	36809
3.585		103944	51538
3.617		2358466	1661430
3.653		10431	5466
3.674		50504	31497
3.693		68651	41193
3.73		453535	265180
3.745		237140	121933
3.791		1190110	641266
3.803		2266174	1178726
3.842		2616749	1961877
3.903		2128987	1587083
3.944		169563	117854
3.972		1333269	965219
4		1038495	850518
4.022		283426	146999
4.049		8685	6319
4.101		1504121	1113936
4.125		564188	350057
4.157		597253	433521
4.193		1618007	1557206
4.234		482888	383927
4.281		60487	45353
4.322		71043	57156
4.356		524824	363162
4.377		400423	248641
4.401		367174	278998
4.462		2849	1921

RT A	Compound A	Height A	Area A
4.51		128180	112376
4.531		14383	7056
4.551		5545	3324
4.611		11388	8596
4.659		36519	37592
4.712		73759	67062
4.773		11706	26338
4.82		1456	1454
4.861		15912	13611
4.902		1920	847
4.943		8464	7474
4.988		13268	11861
5.026		278562	253931
5.057		9041	22406
5.121		21264	23948
5.155		17164	15169
5.194		2408	1922
5.214		32109	28599
5.268		398718	369358
5.31		5276	4076
5.351		11561	9531
5.471		10080	13110
5.515		5653	5354
5.536		8112	7516
5.592		11143	13324
5.62		7834	6461
5.674		245611	240850
5.797		461761	480320
5.977		16234	18032
6.023		13233	16770
6.109		3565	3708
6.166		320270	326025
6.23		390956	338961
6.386		1375	788
6.404		3797	3205
6.472		5232	4405
6.527		3034	2531
6.567		2937	2160
6.602		185767	191793
6.748	DCB	13863560	14599890
7.222		10872	13367
7.385		950	719
7.516		1442	779
7.582		1074	355
7.961		1384	531
8.247		1235	546
8.409		2006	2621

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM 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, 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: 07PCBS17292001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		2229	1956
1.632		2503	14457
1.907		6986	20053
2.011		3420	8304
2.05		81821	79776
2.13		33683	66927
2.178		32085	26655
2.271		3520	3447
2.313		1760	1522
2.402		3747	9862
2.429		23366	20587
2.659		2307	1426
2.677		50635	41739
2.749	TCX	19054500	13213640
2.792		66241	42809
2.922		294754	231977
2.97		123929	62818
2.983		119968	59308
3.036		1019156	745799
3.088		34286	22146
3.149		141048	105366
3.245		1256025	1437868
3.297		144172	92509
3.32		93599	60132
3.346		63695	35696
3.369		1224948	932197
3.406		53848	33635
3.434		32448	15842
3.452		258924	144898
3.467		130810	66601
3.518		368734	227054
3.528		1186692	580082
3.548		19089	4956
3.562		1206915	910487
3.637		1237929	867524
3.671		751772	514371
3.696		838102	512417
3.714		228298	125088
3.805		1003661	757438
3.83		341879	203575
3.851		350975	231317
3.883		200407	111248
3.901		699322	502743
3.944		308558	250488
3.993		33413	29744
4.016		195494	132292
4.039		454896	326140
4.066		190541	128600
4.086		28465	15296
4.142		21468	18829
4.182		13167	7813
4.196		39321	31569
4.247		5088	3410
4.266		4098	2346

4.286		5754	3417
4.31		12279	7307
4.331		34821	25431
4.401		6189	4855
4.519		12831	19146
4.556		6134	4246
4.588		2722	2090
4.632		174752	182587
4.763		17984	20064
4.821		28423	25592
4.871		255019	247423
4.948		8533	8857
5.051		1829	1337
5.126		13112	11093
5.15		5642	4610
5.194		27341	27838
5.238		4025	2460
5.273		151039	149747
5.396		318974	309354
5.536		5998	5467
5.583		16965	18027
5.737		268538	262788
5.805		397325	373818
5.854		101976	97229
5.96		2955	3949
6.112		3420	3445
6.159		164222	157473
6.319	DCB	12740220	12885120
6.765		8766	7987
6.798		2619	2536
6.943		1800	3594
8.634		2890	5121

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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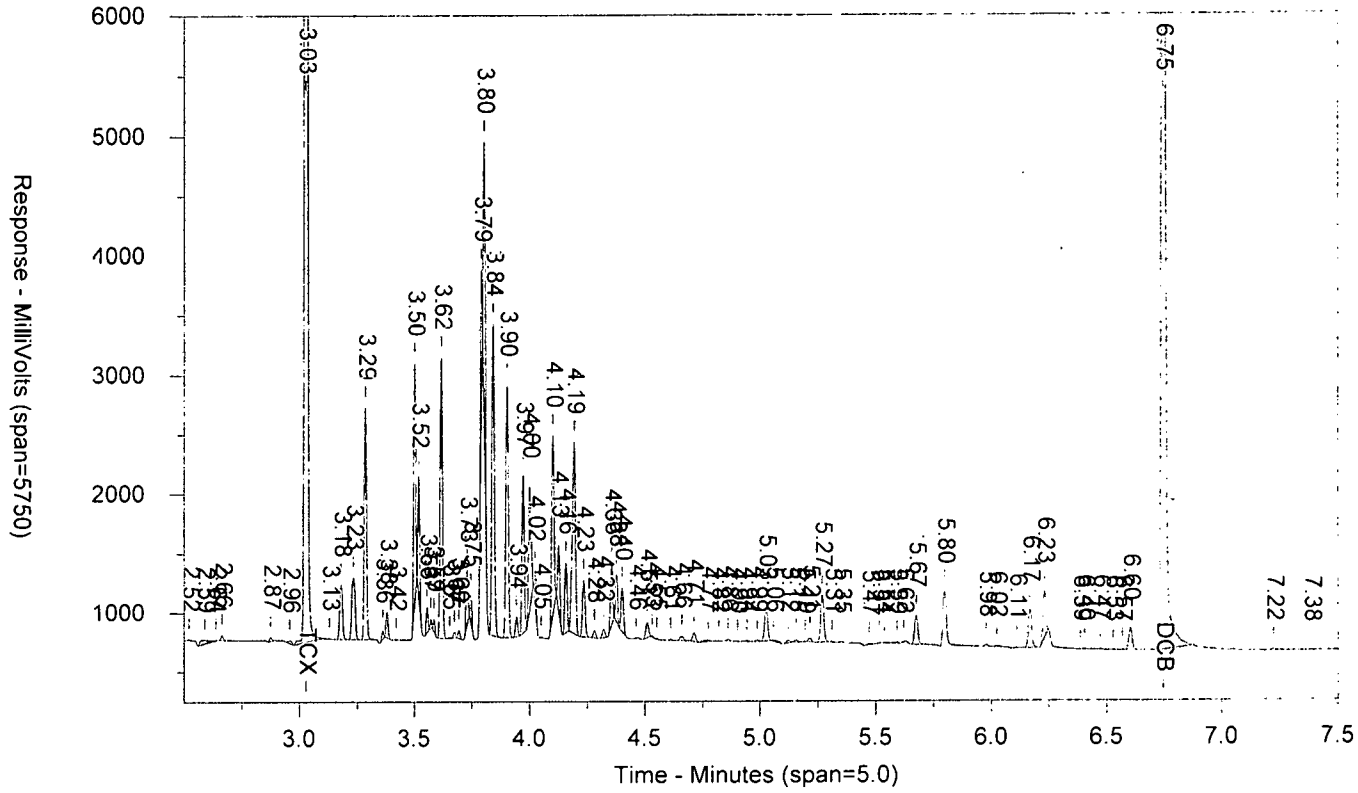

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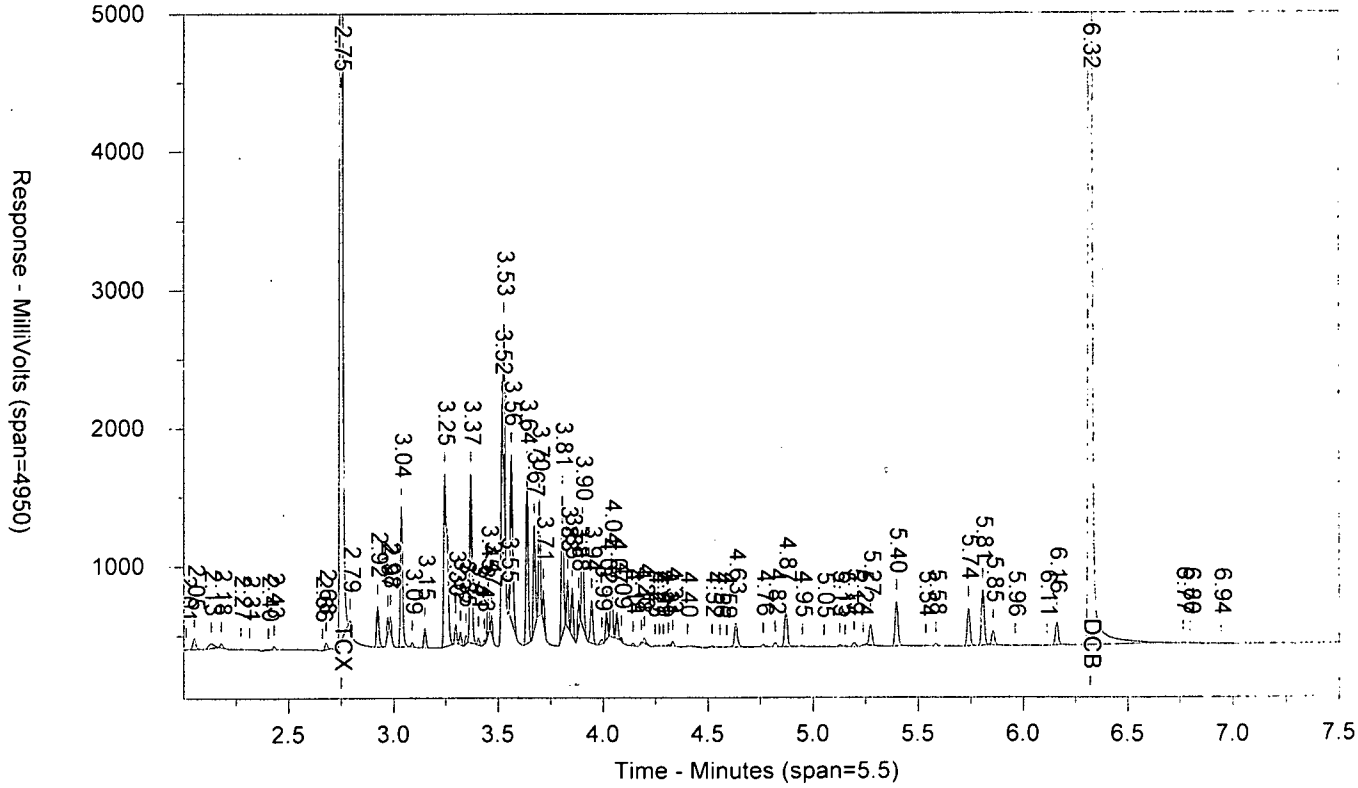

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	40462590	63.725	TCX	2.749	19054500	62.773	TCX
6.748	13863560	54.319	DCB	6.319	12740220	55.215	DCB

Files:
Area File: 07PCBS17292001.0030.RAW
Area File: 07PCBS17292001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:13:02 AM
File Reported On: 10/22/2017 at 1:37:32 PM

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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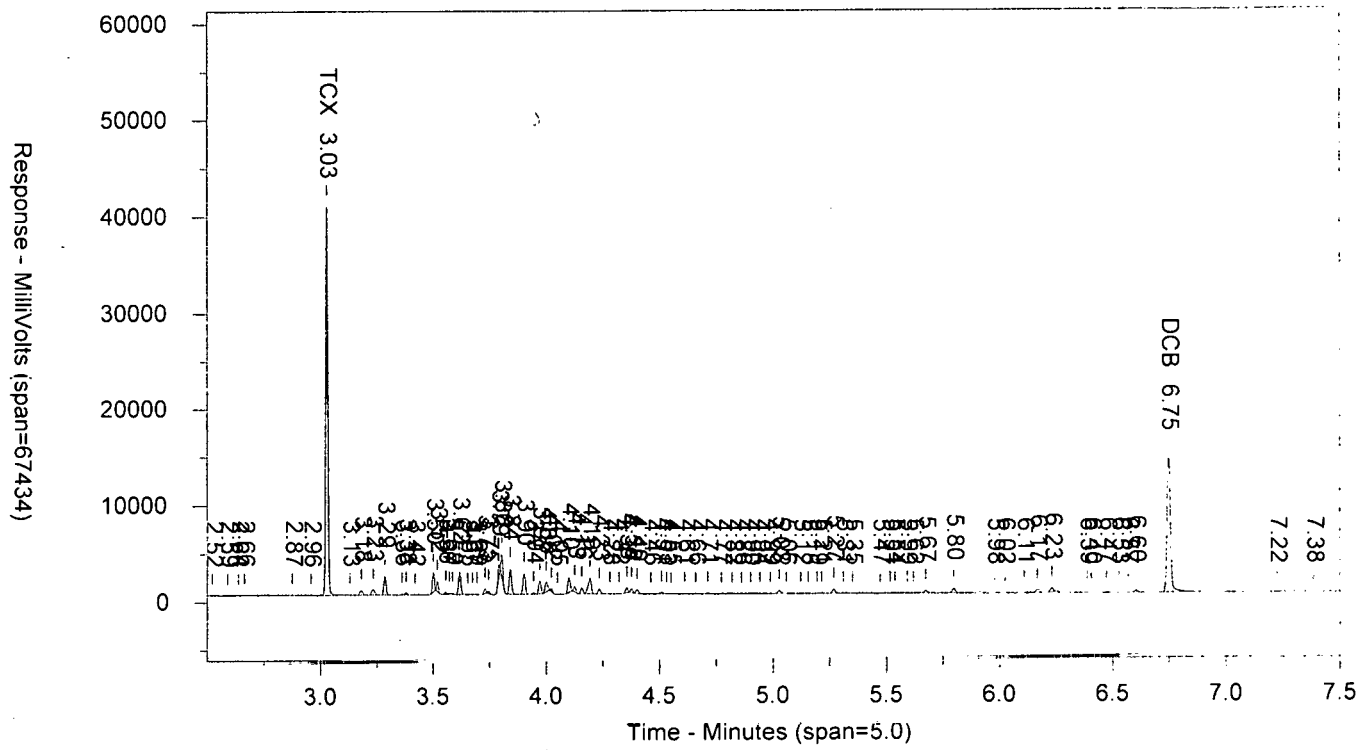

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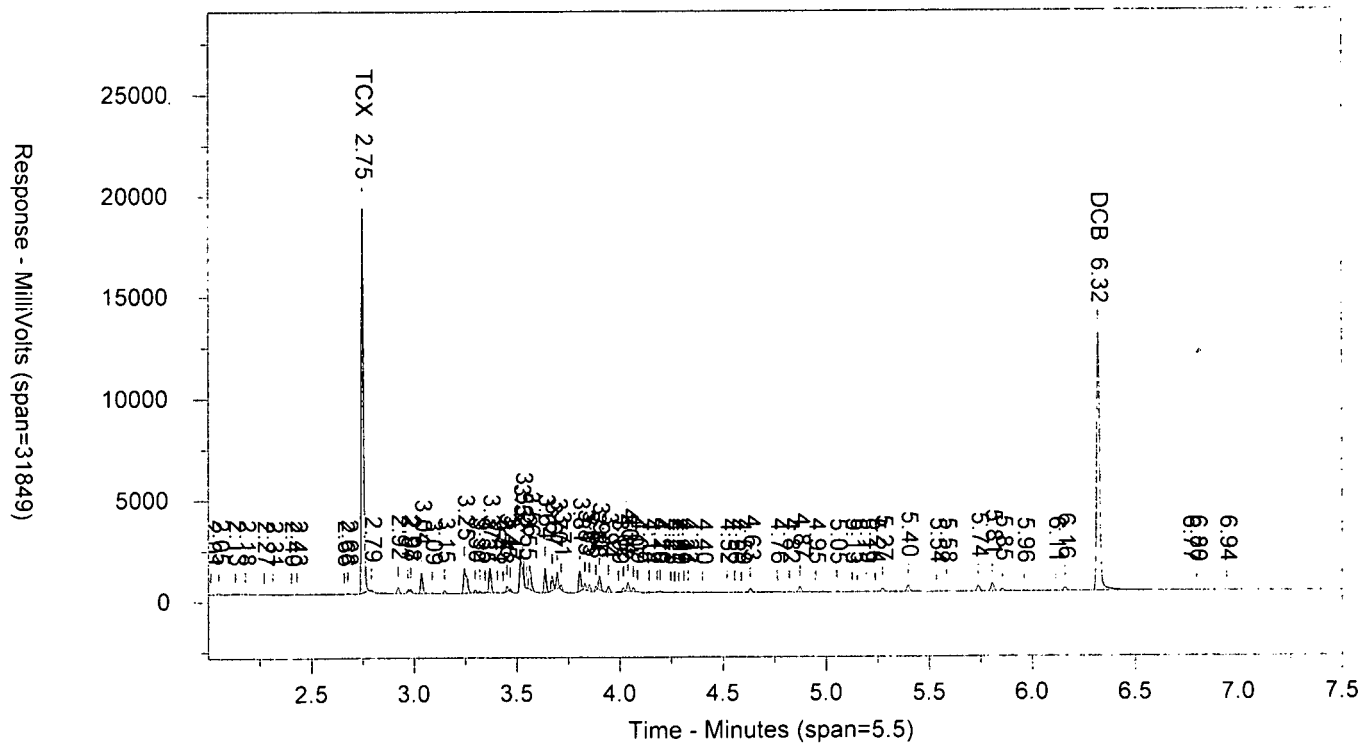

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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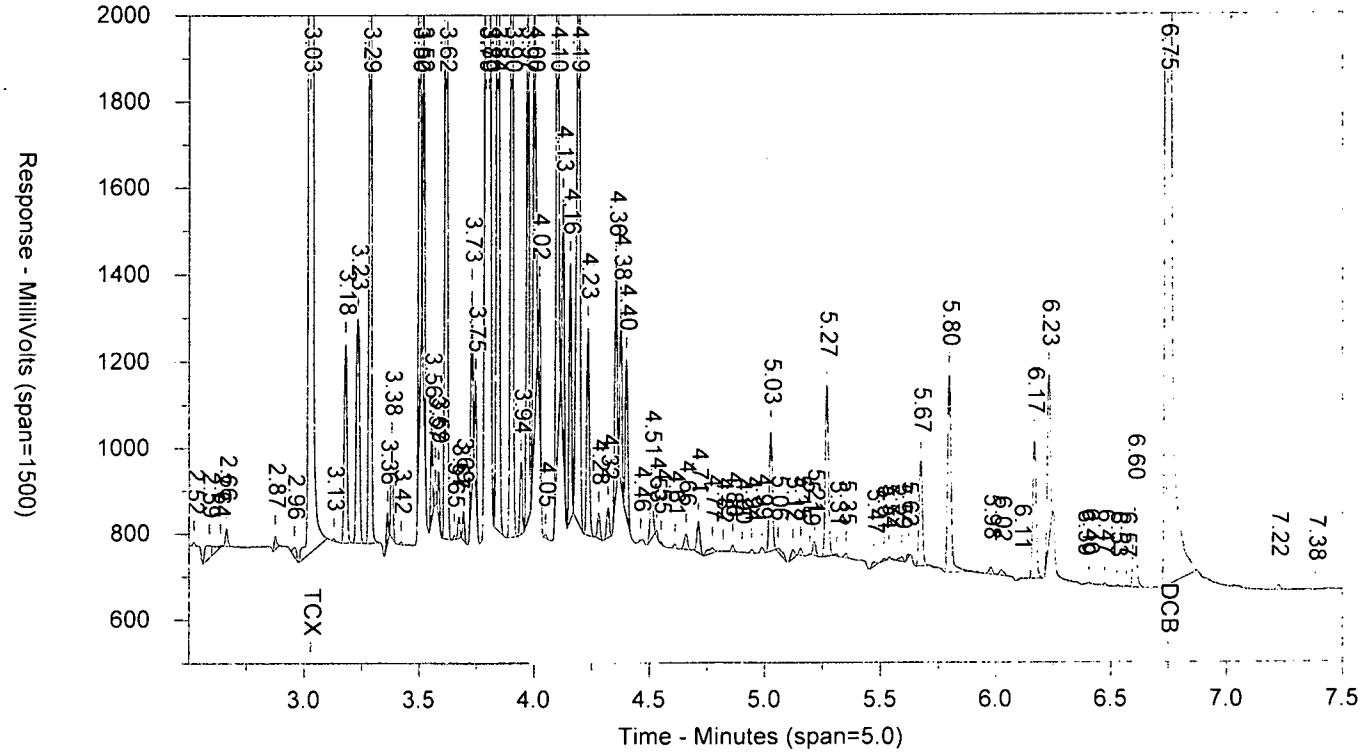

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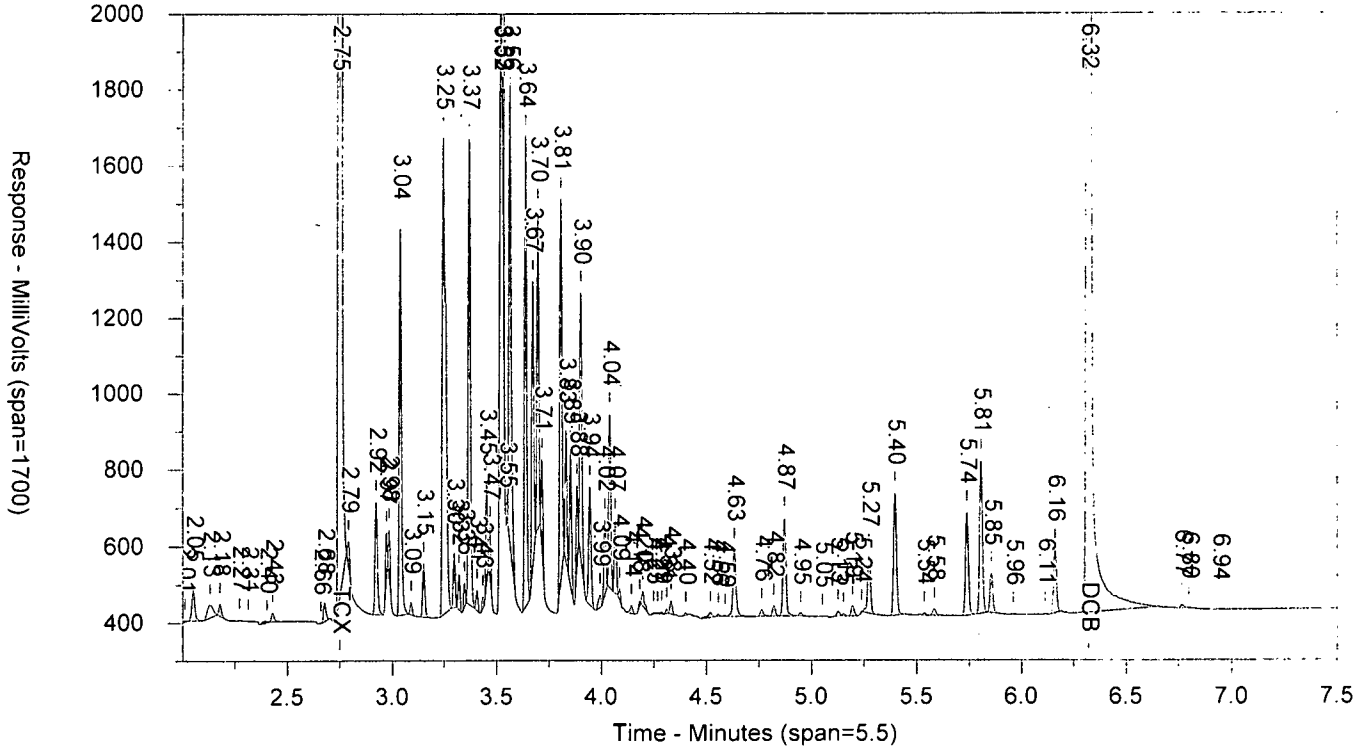

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM 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: 07PCBS17292001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.585		15530	65881
1.67		13889	90333
2.041		3230	1193
2.132		38924	101669
2.187		87830	231457
2.242		21253	38701
2.409		26588	16691
2.592		10813	31078
2.637		3498	2677
2.767		1582	527
2.874		32960	23605
2.959		18877	21469
3.001		6450	16811
3.028	TCX	239135	155490
3.179		13763	11022
3.237		12699	9924
3.285		55612	37759
3.38		12935	27029
3.501		57229	34946
3.518		27215	14434
3.555		4683	2547
3.586		2647	779
3.6		4903	2748
3.617		64263	41672
3.73		13677	16857
3.791		32602	17158
3.803		55957	28154
3.841		72214	55522
3.878		841	258
3.902		60819	44592
3.931		762	182
3.943		4563	3116
3.972		42018	29944
4.001		39696	60969
4.051		4860	5774
4.1		44585	32488
4.125		15997	10722
4.157		17749	12551
4.193		46178	48080
4.234		13691	11071
4.318		4251	3824
4.357		51069	43060
4.377		3188	1421
4.4		9494	5530
4.417		4527	3186
4.471		5958	5182
4.515		51525	50350
4.551		2282	1471
4.599		1380	790
4.655		19689	17996
4.711		15172	20513
4.775		28853	34691
4.822		39332	43698

RT A	Compound A	Height A	Area A
4.861		11125	8530
4.901		88841	80172
4.945		3961	3105
4.991		14325	15566
5.024		4075	3050
5.054		18108	21925
5.104		61175	48626
5.155		22042	19260
5.194		47049	52351
5.273		10662	14127
5.31		108837	101406
5.332		4307	2164
5.375		58411	51124
5.417		40079	47179
5.474		6970	9480
5.515		10283	9280
5.538		61690	54007
5.594		40720	40111
5.633		16671	13672
5.674		5148	5132
5.716		22040	20808
5.772		135886	120326
5.796		4601	4043
5.978		87031	85283
6.01		3548	2319
6.031		17099	18700
6.105		1207	741
6.163		3338	2534
6.233		1592	2192
6.248		13639	10931
6.318		1509	681
6.403		34353	35083
6.448		2103	852
6.474		4837	4075
6.6		8546	8662
6.661		1291	938
6.748	DCB	105832	105819
7.046		4694	6321
7.086		850	577
7.246		1114	395
7.269		1331	558
7.332		788	283
7.603		1235	714
7.789		1043	281
7.953		1449	851
8.006		1424	517
8.106		1466	556
8.399		1463	374
8.522		1672	800

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM 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, 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: 07PCBS17292001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.637		1648	13120
1.912		5059	16737
2.009		6892	13655
2.042		20274	23781
2.129		39042	114115
2.398		3181	5927
2.658		2258	1206
2.677		54782	62181
2.749	TCX	121592	90027
2.922		8985	7143
2.983		5414	3584
3.036		34274	22152
3.148		4762	3805
3.245		43541	48168
3.298		3800	2363
3.321		20487	17146
3.369		40613	31843
3.407		3001	2981
3.451		8077	4308
3.467		6711	3551
3.527		60069	68303
3.562		35317	31039
3.637		39773	29845
3.671		26790	18063
3.696		33170	20443
3.714		5774	3114
3.805		32153	23621
3.829		11243	6365
3.851		10379	6992
3.882		11551	6675
3.901		21280	15334
3.943		10130	8172
3.989		2686	2006
4.016		4905	3144
4.039		36683	26772
4.065		5772	3479
4.105		4574	3392
4.142		30542	27334
4.195		6768	7149
4.246		6620	7172
4.285		9370	10391
4.355		7092	5499
4.4		6689	3833
4.432		27181	30657
4.459		12395	11671
4.514		70380	64836
4.556		2838	2405
4.586		4442	3287
4.611		13154	10464
4.656		75030	67470
4.763		62241	68276
4.819		7919	6952
4.858		16026	16139
4.897		69787	63707

4.93		36954	30895
4.971		23920	21062
5.046		1388	1056
5.074		7803	6362
5.127		49593	42684
5.152		5271	3155
5.201		25737	25062
5.237		11995	9573
5.265		7956	7380
5.32		104465	106160
5.396		4751	4369
5.536		23868	23500
5.582		72724	84452
5.737		3842	3087
5.805		4056	4162
5.855		12993	12911
5.959		28744	30192
6.158		8499	8796
6.319	DCB	104279	103130
6.794		3681	4694

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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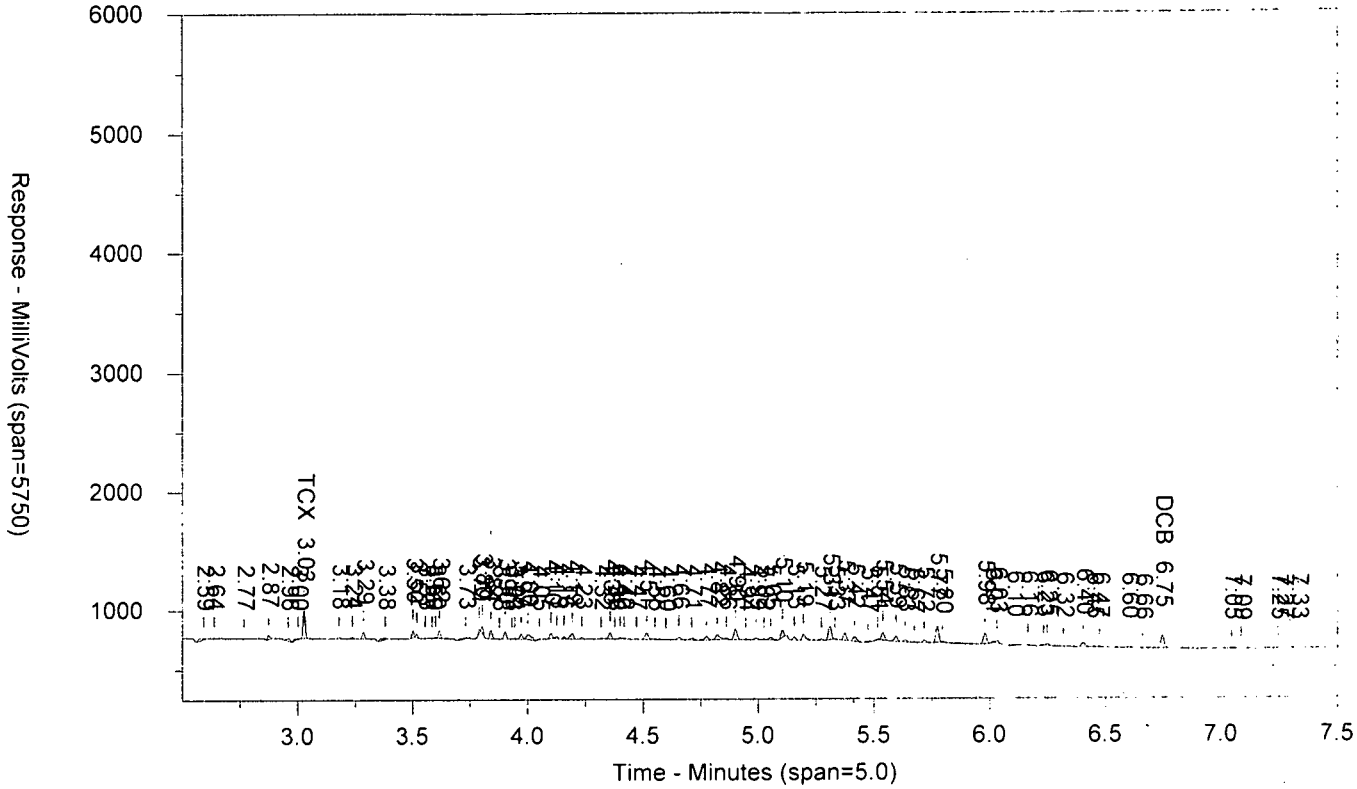

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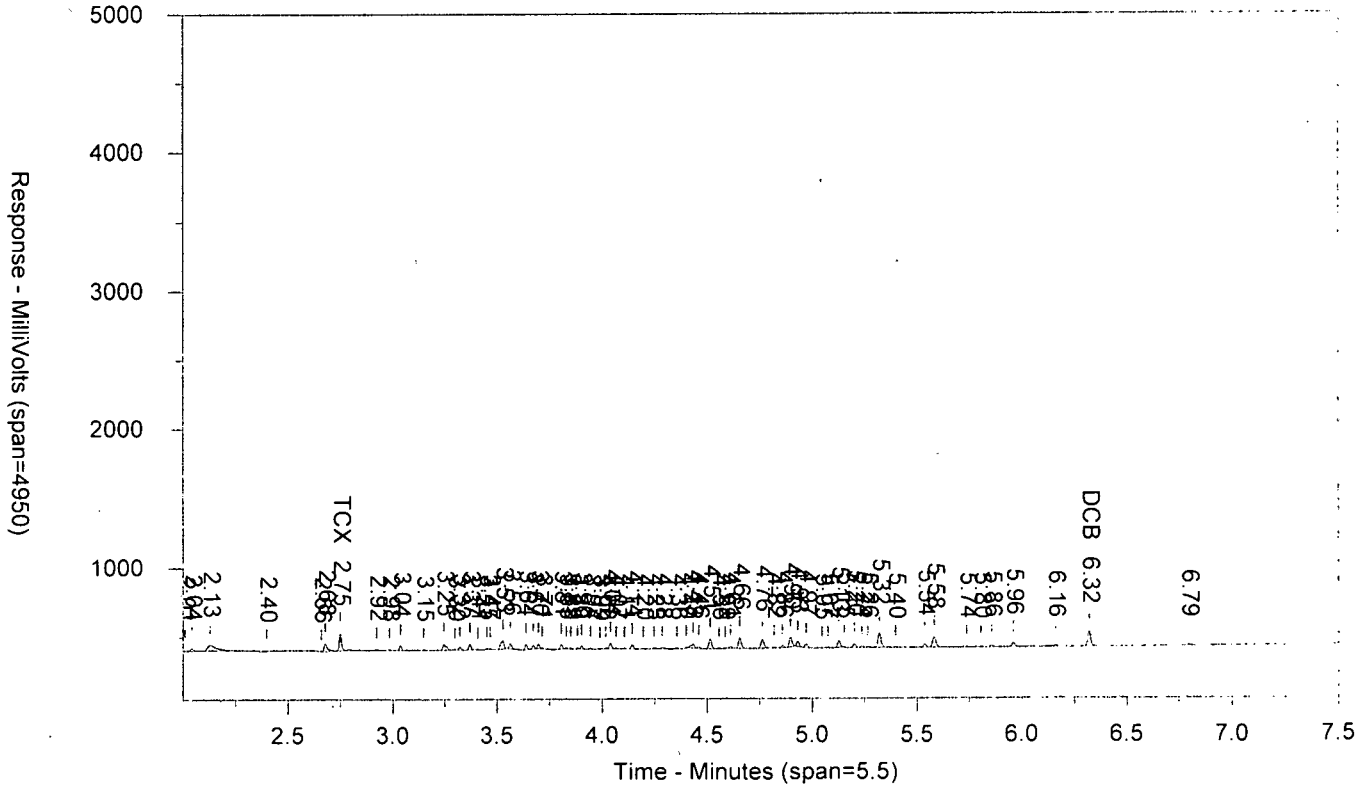

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	239135	.377	TCX	2.749	121592	.401	TCX
6.748	105832	.415	DCB	6.319	104279	.452	DCB

Files:
Area File: 07PCBS17292001.0031.RAW
Area File: 07PCBS17292001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:24:21 AM
File Reported On: 10/22/2017 at 1:37:42 PM

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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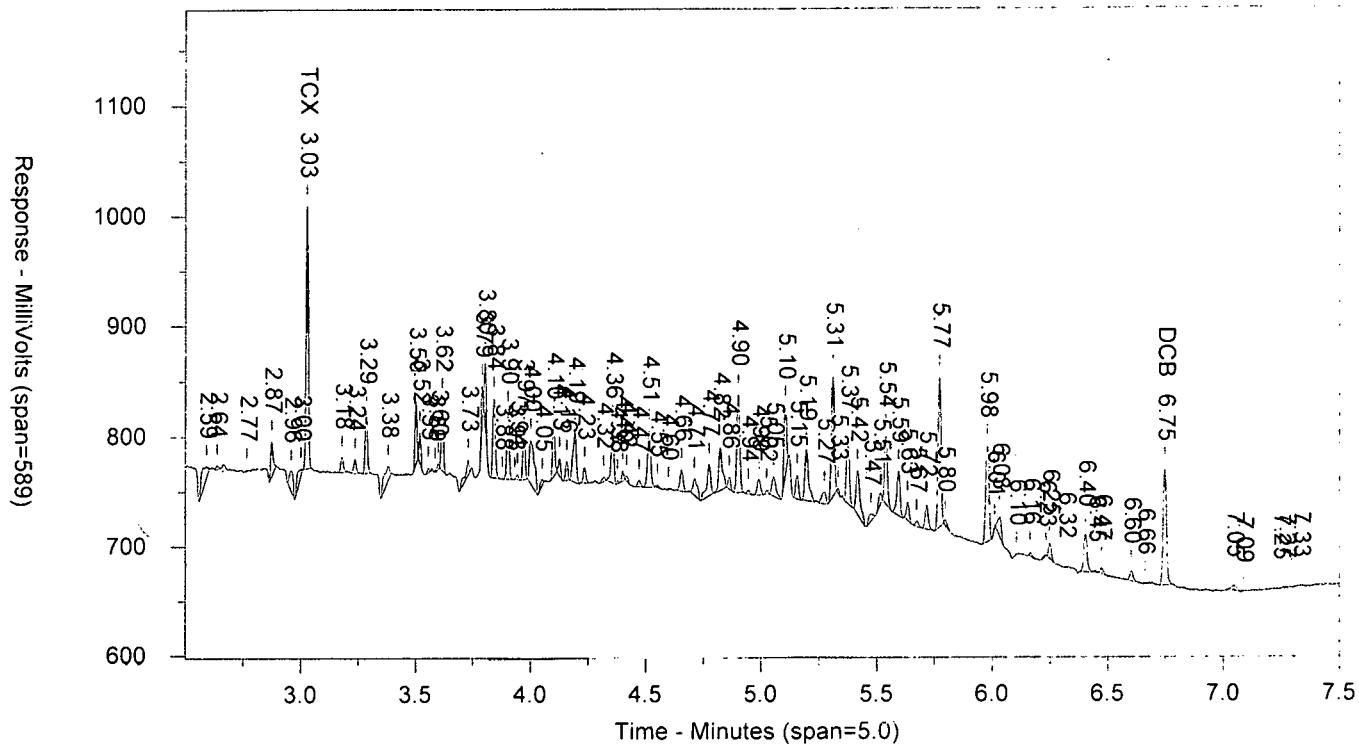

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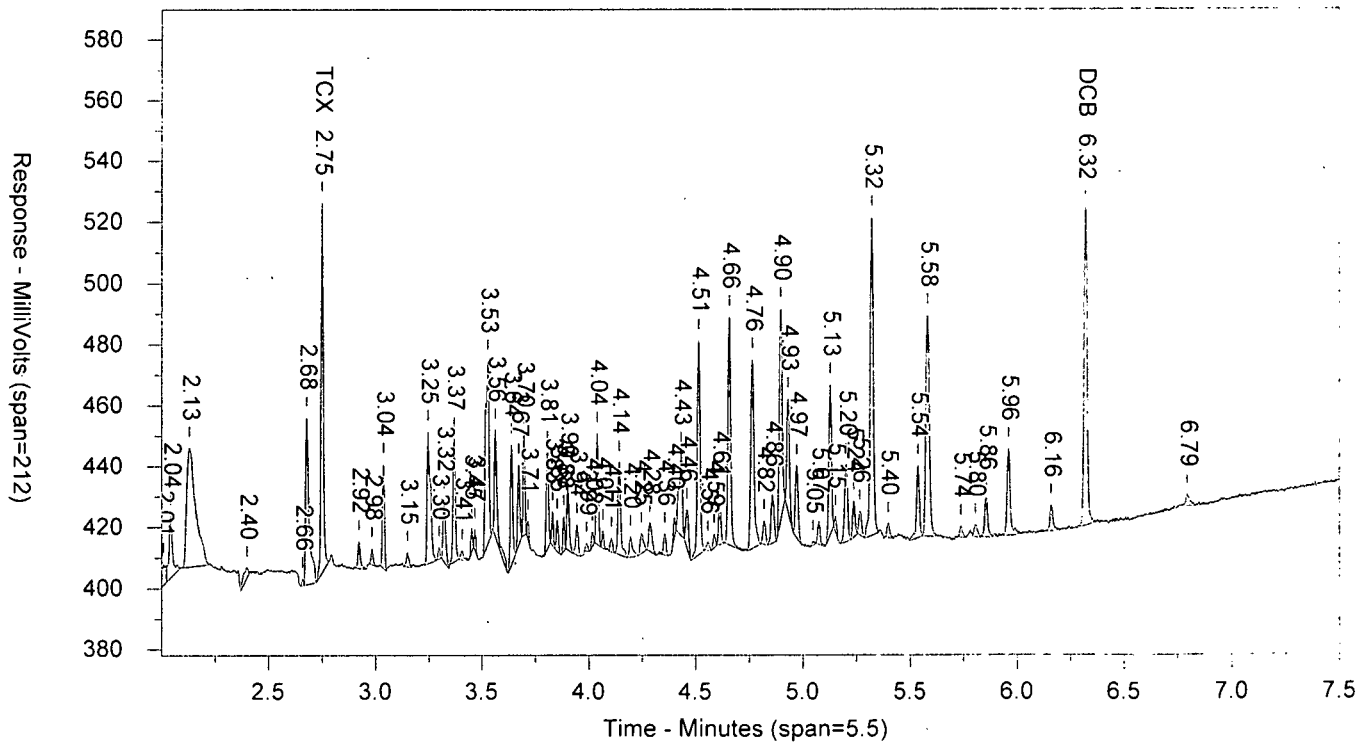

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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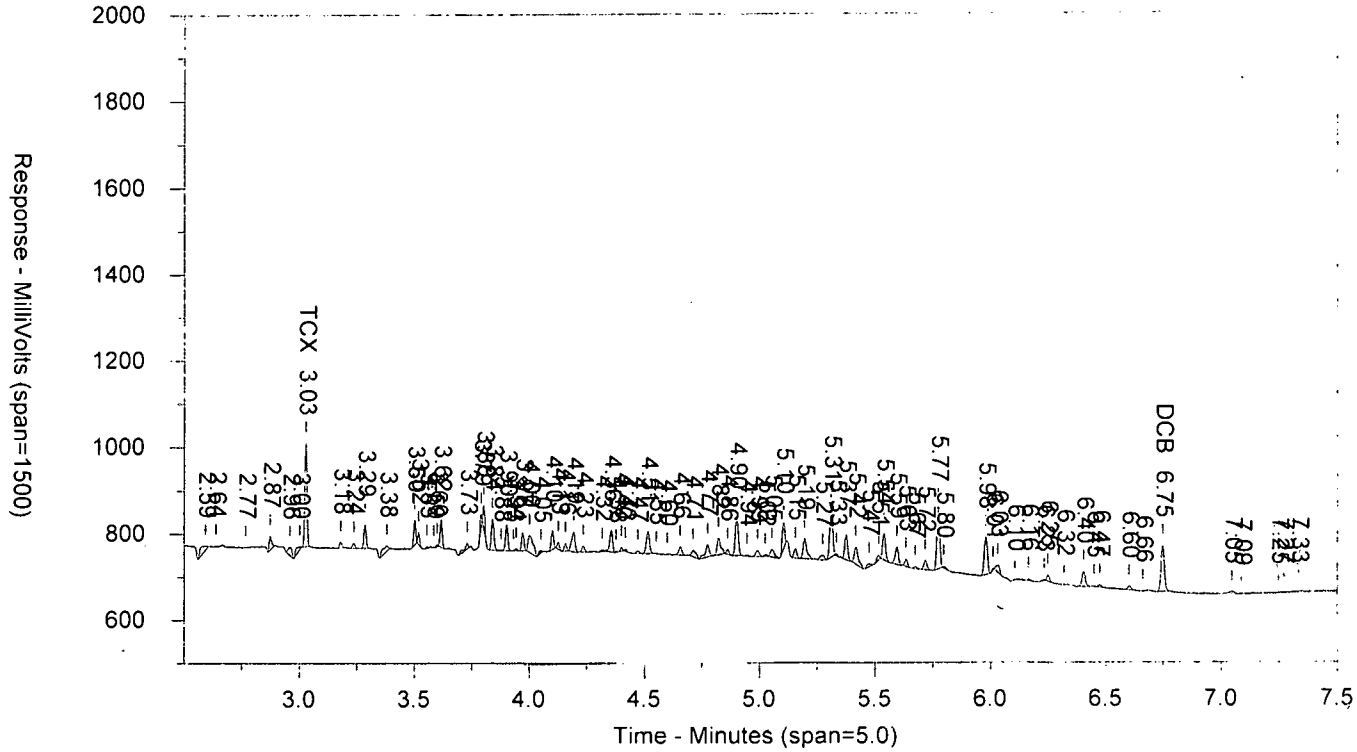

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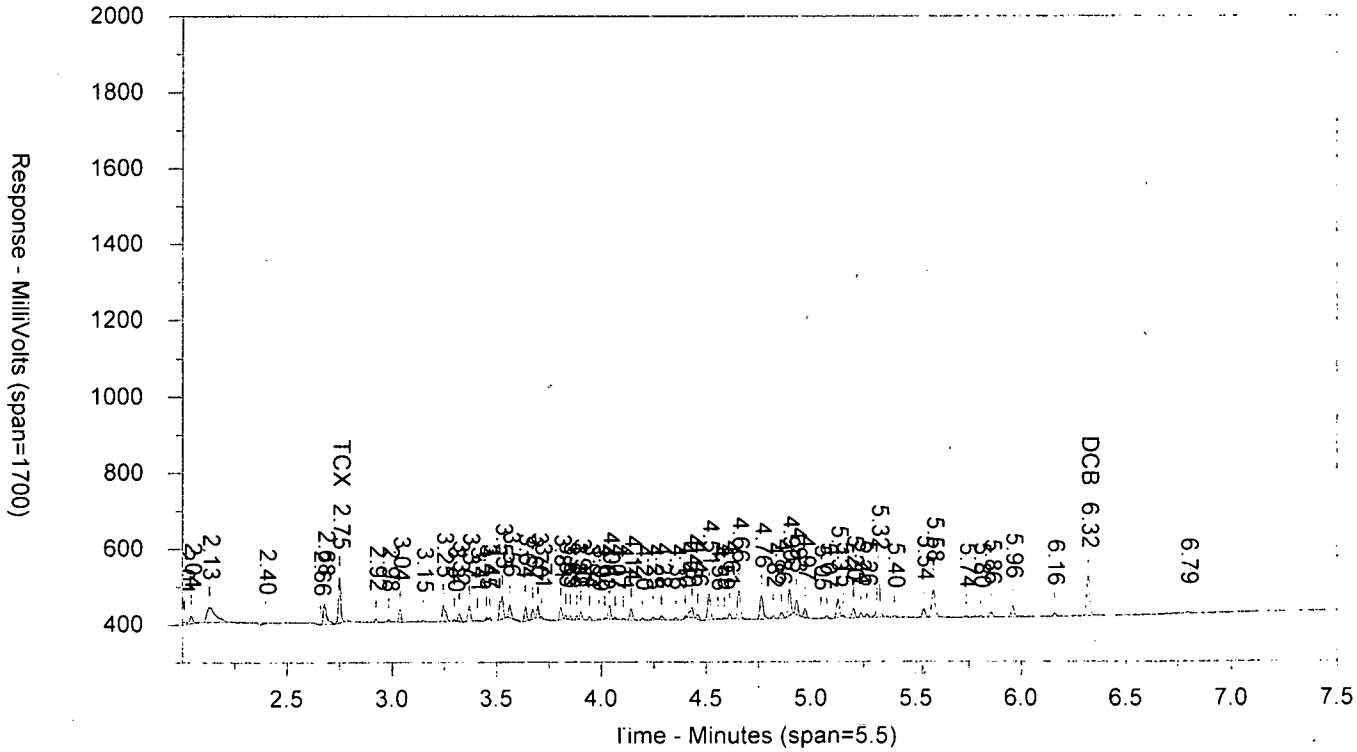

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM 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: 07PCBS17292001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.588		1563	631
1.667		5986	64681
1.947		1739	1267
2.124		40448	87599
2.184		106477	289637
2.243		41007	90169
2.316		128995	143461
2.41		35311	28464
2.427		52487	43453
2.468		4992	4019
2.522		6161	3726
2.59		7437	22423
2.664		45981	32205
2.875		40964	31031
2.963		13955	12391
2.993		9286	10540
3.029	TCX	27397870	17528530
3.129		4715	2833
3.18		518339	429743
3.236		474439	462395
3.285		2118238	1428723
3.361		46307	25587
3.38		261505	168200
3.418		7372	5265
3.502		2273221	1339043
3.519		1093347	594114
3.556		231463	131214
3.571		114596	50493
3.585		105370	49608
3.617		2734520	1887895
3.653		10919	5707
3.674		35161	22308
3.693		138962	89305
3.73		485914	293034
3.746		258430	131755
3.791		1475771	754663
3.803		2537677	1320561
3.842		3015780	2242600
3.902		2485030	1837050
3.944		201814	139813
3.972		1617017	1159230
4.001		1176121	1136983
4.023		236706	112470
4.101		1768436	1247498
4.125		571277	368863
4.157		628584	455146
4.193		1433049	1569823
4.234		414018	319492
4.266		6188	2678
4.281		36112	22965
4.32		114227	79789
4.357		1369772	1075724
4.377		174936	93127

RT A	Compound A	Height A	Area A
4.401		222534	168876
4.472		192594	165467
4.516		1597596	1449840
4.551		66126	45796
4.613		44448	39306
4.656		646488	634100
4.713		184472	119624
4.729		334549	218584
4.775		855942	741096
4.823		1484564	1609296
4.861		396733	290537
4.901		3467093	3116789
4.945		129458	110350
4.99		452685	461179
5.026		230046	176845
5.051		475146	393898
5.104		2753539	2164990
5.12		294016	177870
5.156		784316	685657
5.196		1842379	1970737
5.237		32535	19084
5.272		518820	623628
5.31		4345473	3885685
5.332		163312	78641
5.35		107510	48789
5.374		2198830	1917636
5.417		1387085	1275978
5.468		6929	6544
5.514		375378	300814
5.537		2405418	2067582
5.595		1202342	1060453
5.634		647145	599621
5.674		285397	272701
5.717		774470	726591
5.773		5178796	4700915
5.796		152860	87575
5.979		3400947	3170869
6.012		84024	76179
6.031		530583	602247
6.125		3067	1425
6.167		326608	317621
6.23		194866	154546
6.249		450390	344057
6.403		1247096	1196790
6.448		64618	54118
6.603		525773	514614
6.692		2617	2207
6.749	DCB	10032940	10102240
7.222		7911	9695
7.377		1561	1334
7.474		2010	757
7.753		1191	690
7.884		2118	1215
8.047		1762	741
8.149		954	472
8.185		1460	1778
8.332		1068	931
8.381		1196	330
8.637		1450	1102

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM 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, 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: 07PCBS17292001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.633		2372	13541
1.908		5492	15101
2.017		4866	11402
2.05		60991	67261
2.13		36417	73789
2.179		21928	17586
2.273		3058	3074
2.396		3980	6196
2.43		27340	22352
2.659		3240	1758
2.677		68795	58693
2.749	TCX	12849090	9008871
2.791		88417	63350
2.922		322382	255574
2.97		67411	35187
2.983		155858	86426
3.036		1114852	811763
3.087		23726	15267
3.149		165257	125890
3.245		1413603	1618652
3.297		153529	102215
3.319		118811	74654
3.346		66372	38452
3.369		1394702	1052731
3.405		89454	58048
3.433		19326	9228
3.451		283521	163144
3.467		147865	76721
3.518		523510	281255
3.527		1273314	603643
3.562		1373884	1108862
3.637		1378002	998293
3.671		903123	608692
3.696		1118305	689738
3.714		229270	118009
3.805		1141528	847236
3.829		368437	216524
3.851		359997	242334
3.882		299326	175923
3.9		615391	409724
3.944		264177	211830
3.991		111312	120389
4.017		71052	48508
4.039		912213	689830
4.065		97972	59918
4.086		19033	8984
4.105		114670	80233
4.141		923601	747797
4.179		42643	27636
4.195		99412	67932
4.243		6024	3600
4.265		8813	6231
4.284		326982	351071
4.33		35823	22048

4.354		229966	182118
4.401		227905	148627
4.432		851229	883003
4.459		387408	395627
4.514		2308920	2020646
4.557		95963	80144
4.586		135678	95829
4.611		432160	325188
4.632		41479	18698
4.655		2513644	2145696
4.764		2245433	2290737
4.821		290633	267515
4.86		546692	566591
4.897		2450360	2208238
4.931		1212335	1002568
4.97		834825	721817
5.075		299524	327633
5.127		1746603	1474592
5.151		151224	95168
5.202		913646	873823
5.237		404058	333302
5.267		311852	307091
5.299		33972	23248
5.32		3990839	3611652
5.361		61562	45360
5.396		343053	318439
5.513		30161	19467
5.536		785663	706869
5.581		2686448	3097456
5.738		260621	250116
5.78		48651	36593
5.806		303111	271053
5.855		483083	480915
5.959		974098	909001
5.99		42638	30612
6.159		463910	471207
6.32	DCB	8954537	8812967
6.764		5777	5499

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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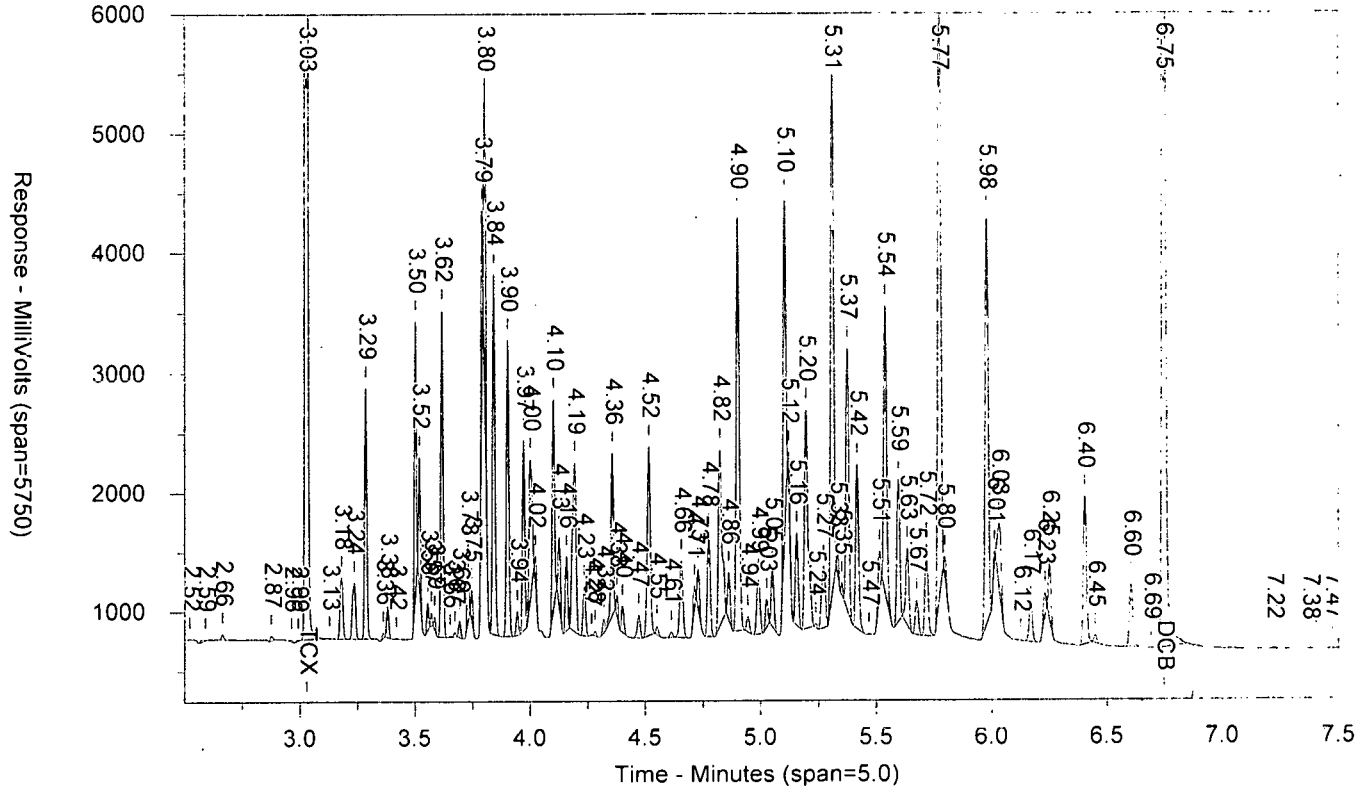

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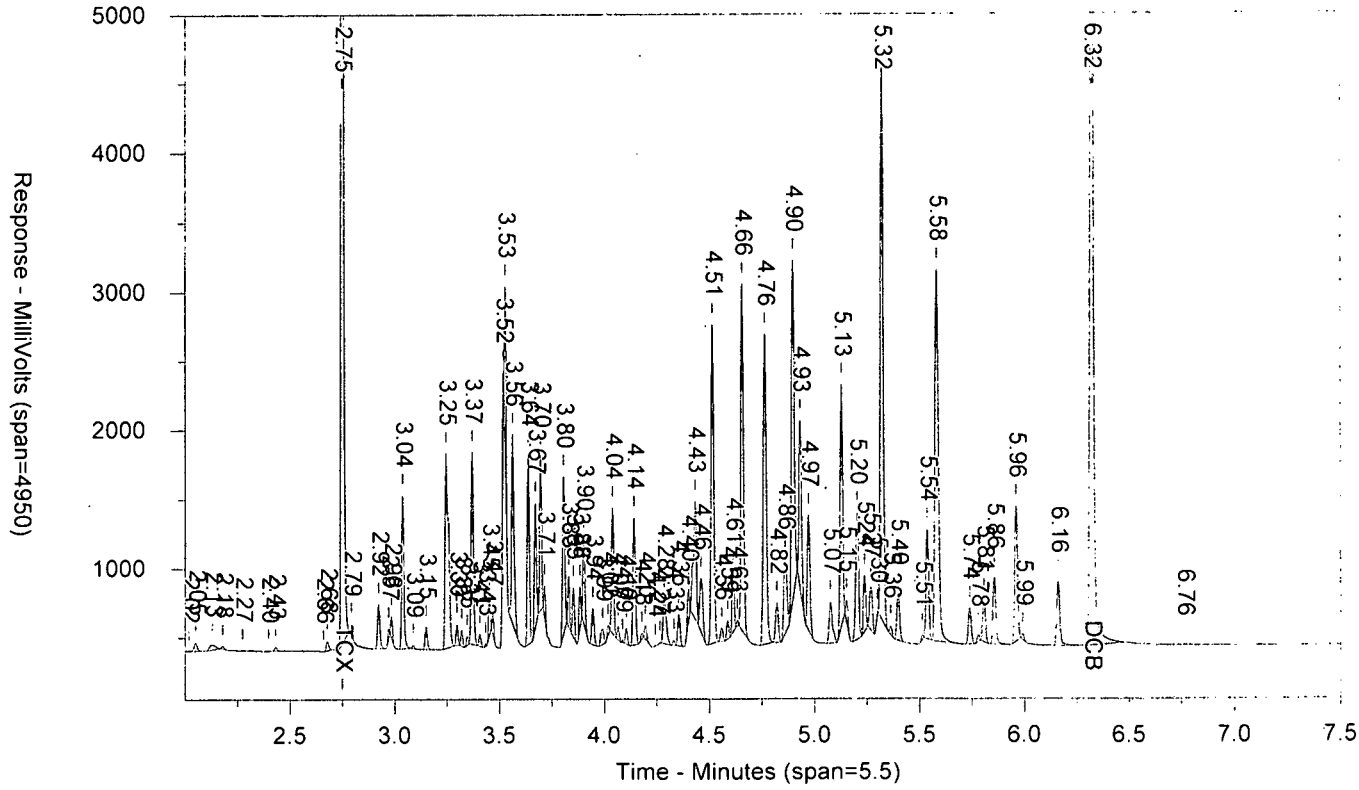

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	27397870	43.149	TCX	2.749	12849090	42.33	TCX
6.749	10032940	39.31	DCB	6.32	8954537	38.808	DCB

Files:
Area File: 07PCBS17292001.0032.RAW
Area File: 07PCBS17292001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:35:47 AM
File Reported On: 10/22/2017 at 1:37:52 PM

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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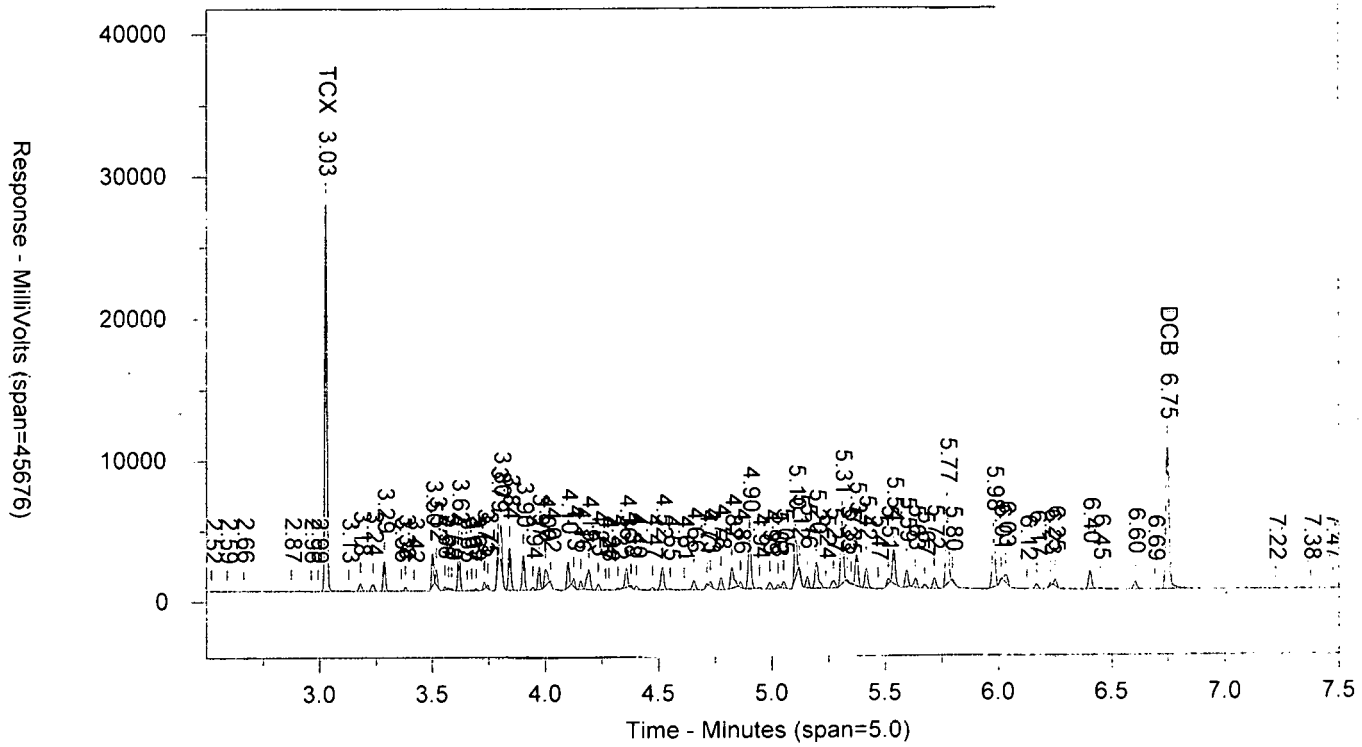

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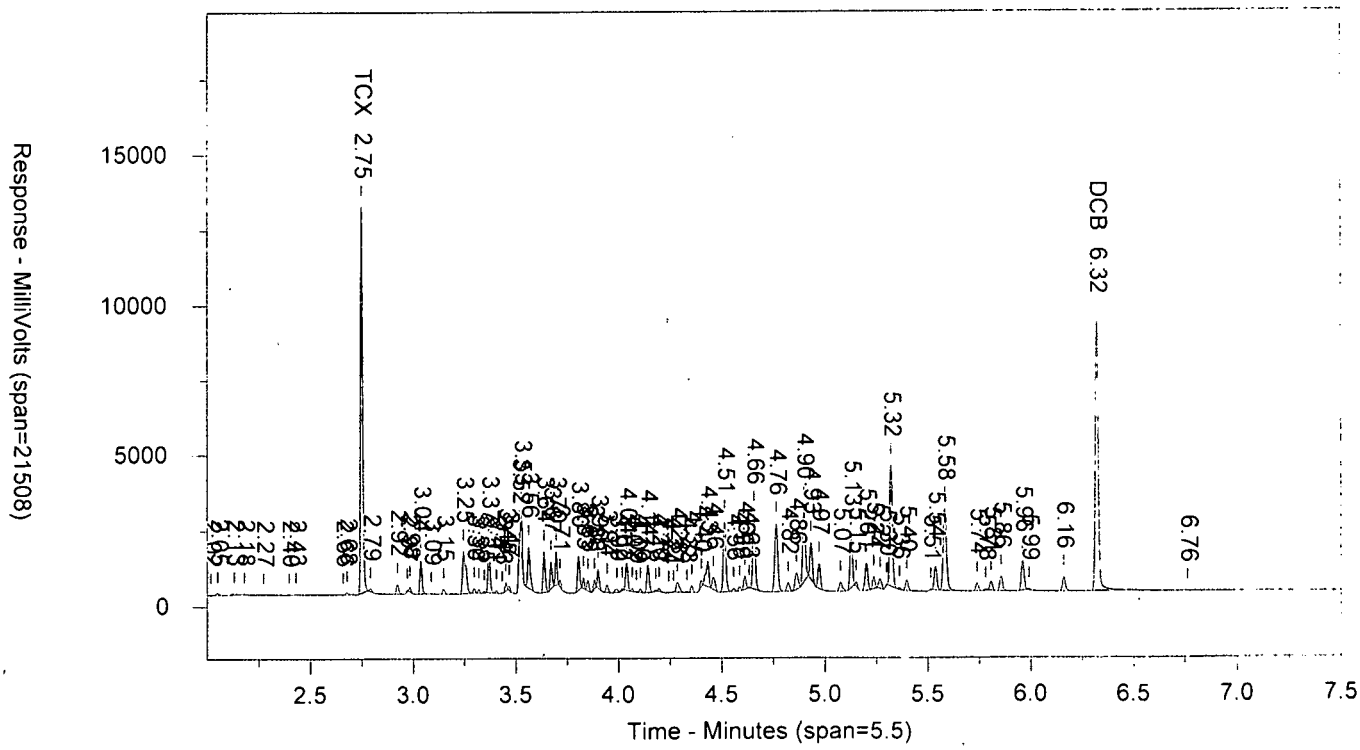

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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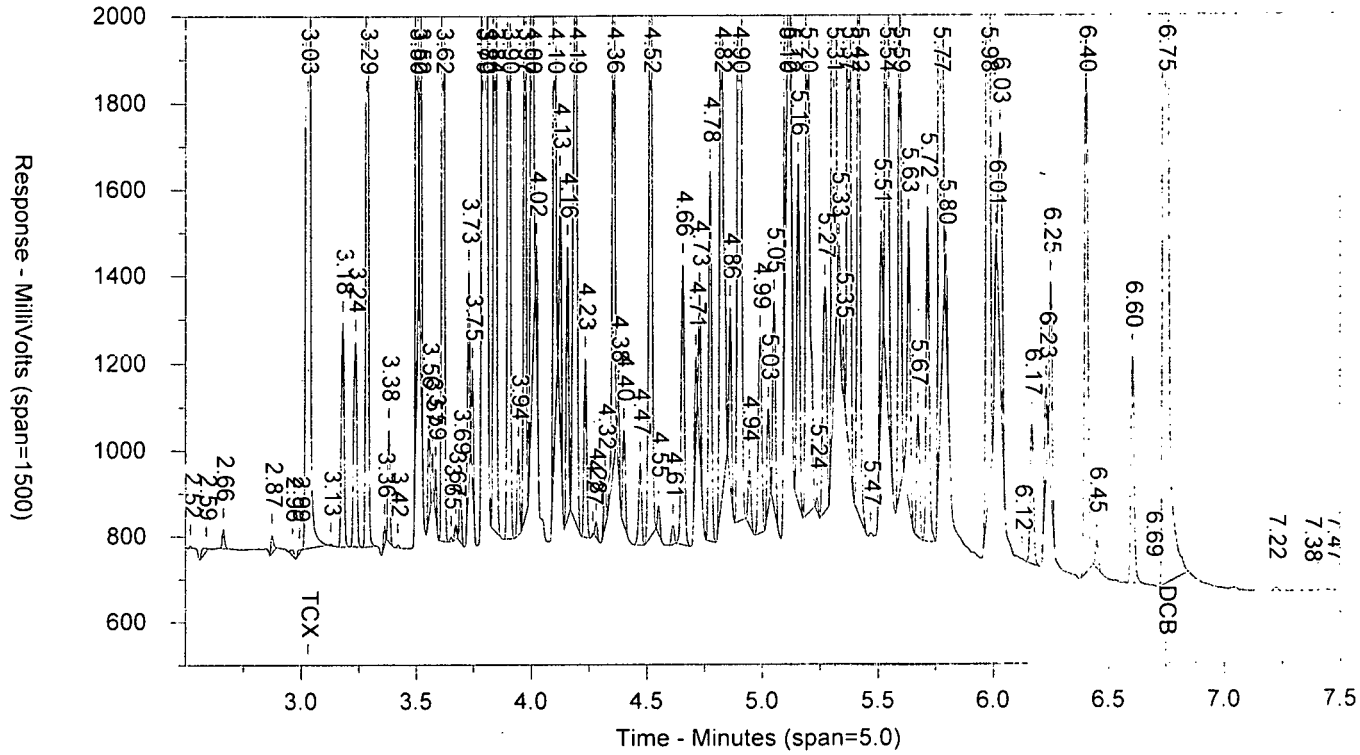

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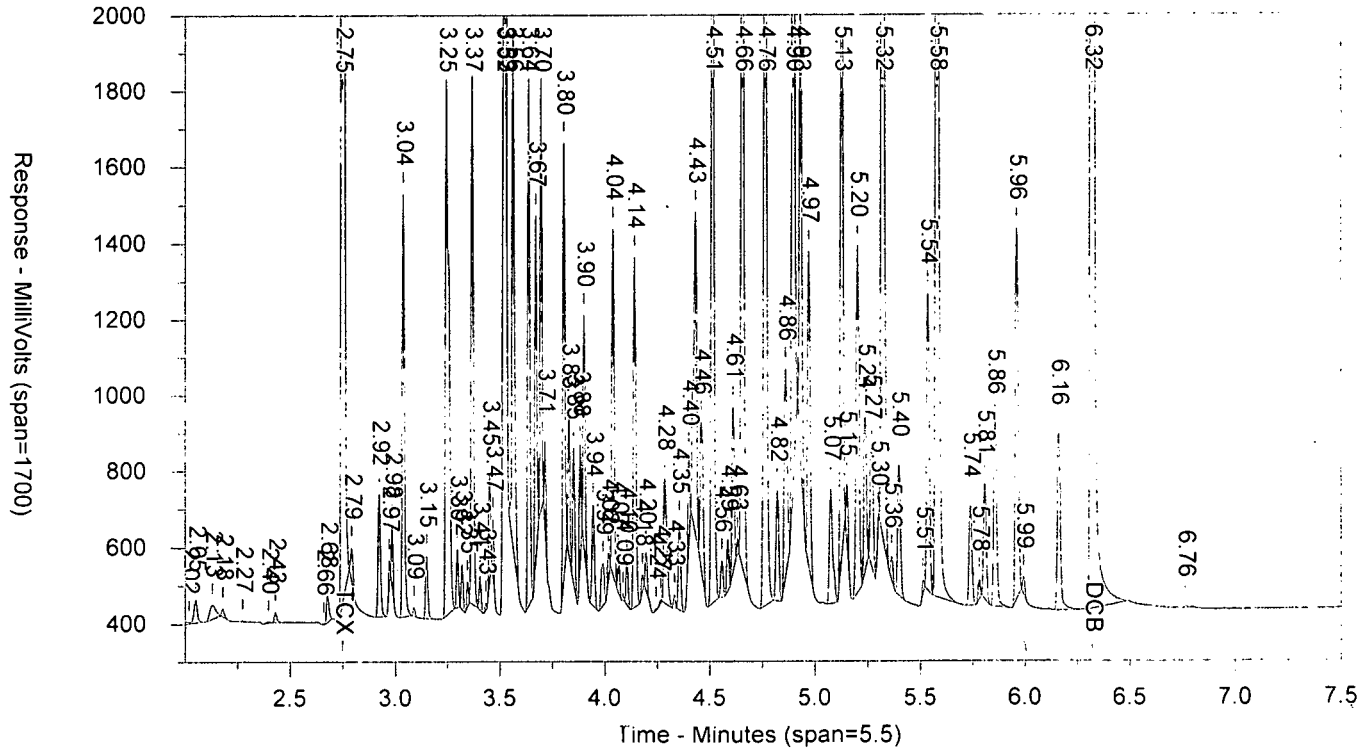

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM 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: 07PCBS17292001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.546		1872	828
1.589		25264	68730
1.643		26274	36082
1.728		3180	1868
1.954		2857	2319
2.056		1656	1331
2.128		35657	70138
2.186		171552	548579
2.316		123534	131507
2.41		30542	22982
2.427		47798	34665
2.522		6026	4153
2.576		9741	10094
2.642		1716	1106
2.663		17924	13690
2.875		70896	74452
2.958		24301	29726
2.998		6044	11246
3.029	TCX	26242920	16958640
3.129		4069	2244
3.182		213415	176826
3.23		302935	230744
3.286		407975	276740
3.362		46122	27691
3.38		72958	44460
3.422		4306	2525
3.503		1075975	638775
3.52		359339	191172
3.557		58159	31326
3.573		90876	52758
3.619		1029902	735206
3.653		4080	1681
3.675		30432	19211
3.694		165790	106318
3.73		172367	104412
3.746		54560	26995
3.792		917778	487352
3.804		929793	458083
3.843		1545735	1207306
3.903		1250745	941215
3.945		194890	132616
3.973		2205597	1547292
4.001		1394935	1161881
4.023		406912	207751
4.05		13641	9193
4.102		2407494	1761737
4.127		698978	463070
4.158		886340	639978
4.194		2083412	1971867
4.236		669613	523279
4.283		74865	63528
4.323		181271	143440
4.358		1791036	1230809

RT A	Compound A	Height A	Area A
4.378		2010844	1312073
4.402		2502202	1857178
4.473		186600	183042
4.511		2004884	1671527
4.533		587749	313560
4.552		395551	246295
4.594		27579	18578
4.617		102646	82378
4.66		600836	531402
4.713		889387	771949
4.746		471802	356043
4.775		1454798	1256977
4.824		13798	9406
4.861		529278	480834
4.903		95231	117086
4.951		129487	114873
4.994		936802	839517
5.028		189508	155354
5.075		93392	113379
5.107		23687	17693
5.122		65474	45557
5.156		13809	11716
5.194		950969	891447
5.24		18194	11489
5.268		284235	277065
5.311		215241	182066
5.333		12308	5744
5.351		22262	14392
5.374		6168	4157
5.418		16470	33936
5.477		5612	13281
5.519		76971	62699
5.539		10585	6304
5.593		14118	12447
5.62		7301	4252
5.633		6541	4608
5.675		171928	164402
5.716		43471	37019
5.74		7901	6255
5.769		9751	5511
5.798		332267	341966
5.979		32382	33034
6.024		14323	53089
6.112		5716	11020
6.167		234477	233380
6.232		351842	440553
6.342		3446	6902
6.403		11247	18245
6.525		3303	2959
6.571		2822	1796
6.604		144316	153666
6.662		3126	3881
6.749	DCB	9368870	9481997
6.913		1811	1206
7.221		7611	8886
7.272		1254	576
7.299		1701	370
7.434		1038	328
7.522		1134	583
7.611		1558	468
7.63		1093	327
7.743		1335	444
7.794		1427	423
7.82		1189	735
7.927		1327	1500
8.076		1365	455

RT A	Compound A	Height A	Area A
8.176		2060	349
8.251		987	558
8.319		1251	448
8.388		852	424
8.48		1077	720
8.569		1474	404

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM 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, 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: 07PCBS17292001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		2793	2578
1.548		5327	6158
1.617		2053	6369
1.748		1270	1925
1.918		3050	11141
2.025		934	6849
2.05		56799	56844
2.13		70010	142325
2.179		21434	17305
2.395		4504	6433
2.43		9213	7981
2.658		5603	3641
2.677		112731	127560
2.749	TCX	12446930	9041738
2.922		137408	106950
2.97		144302	128763
3.037		229051	167047
3.088		23710	14733
3.149		50551	38339
3.246		679204	732590
3.298		44689	27082
3.32		79013	55840
3.37		564836	440898
3.406		113178	75981
3.434		21771	11506
3.453		95886	54701
3.468		32895	15614
3.519		397208	191751
3.528		445275	202501
3.548		68564	25810
3.563		652153	493765
3.638		735278	528070
3.672		1204894	826486
3.696		1116538	686746
3.715		317327	165292
3.805		1510481	1110992
3.83		431567	253598
3.852		490504	337833
3.883		238430	131722
3.901		908946	640205
3.945		418040	339685
3.993		77571	69911
4.017		747360	499594
4.04		1944159	1395800
4.066		1375736	912617
4.086		70925	33336
4.105		77404	47269
4.143		592490	473969
4.181		849893	763138
4.211		473819	290886
4.26		73491	56957
4.296		360727	327926
4.331		17136	10196
4.356		599626	501344

4.39		340945	252468
4.419		927350	769674
4.518		375646	406477
4.554		87235	70262
4.587		602482	543848
4.633		95254	70591
4.656		48221	32318
4.684		42132	34661
4.762		90805	96260
4.816		571429	542976
4.871		165681	140735
4.898		132887	123123
4.948		20091	14687
5.092		7277	6142
5.127		12951	10139
5.152		58280	50787
5.196		20581	23915
5.24		3637	2621
5.274		98051	83871
5.299		15650	9720
5.32		10225	8099
5.397		223062	210679
5.511		1972	1101
5.536		8559	7656
5.582		28544	31288
5.739		193540	187313
5.806		291278	270126
5.855		72248	67821
5.959		6596	6689
6.16		130693	129131
6.281		2177	1285
6.32	DCB	8231551	8407923
6.765		5796	4576
7.888		1191	5290

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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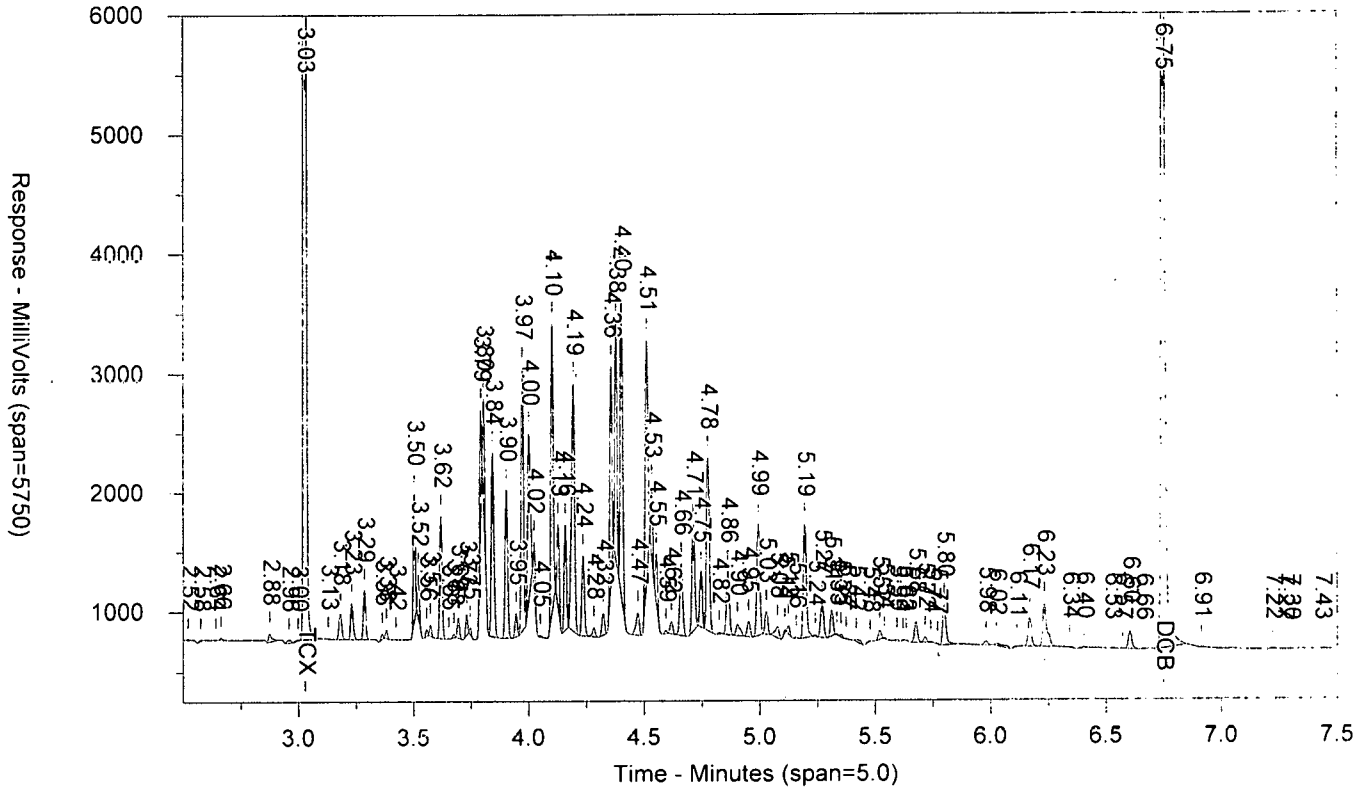

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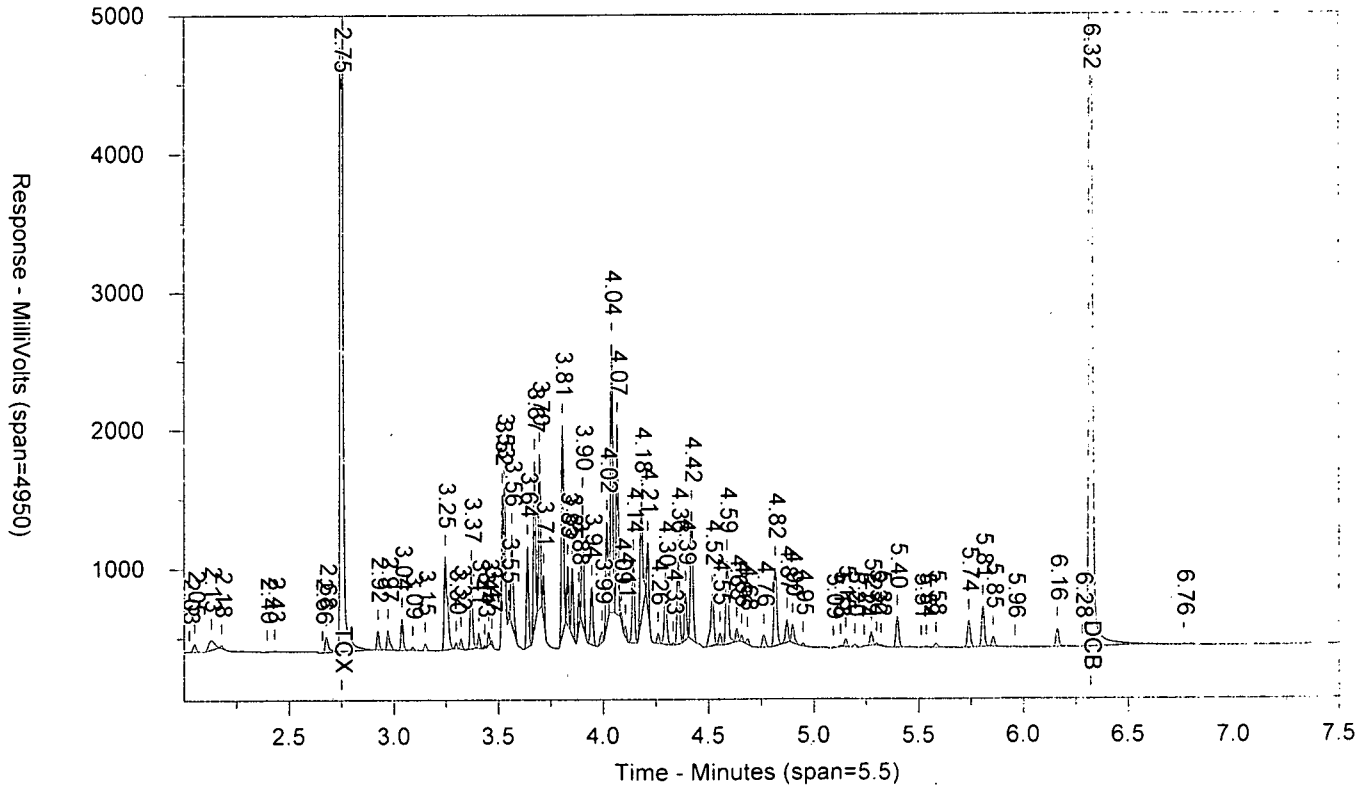

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	26242920	41.33	TCX	2.749	12446930	41.005	TCX
6.749	9368870	36.708	DCB	6.32	8231551	35.675	DCB

Files:
Area File: 07PCBS17292001.0033.RAW
Area File: 07PCBS17292001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:47:14 AM
File Reported On: 10/22/2017 at 1:38:02 PM

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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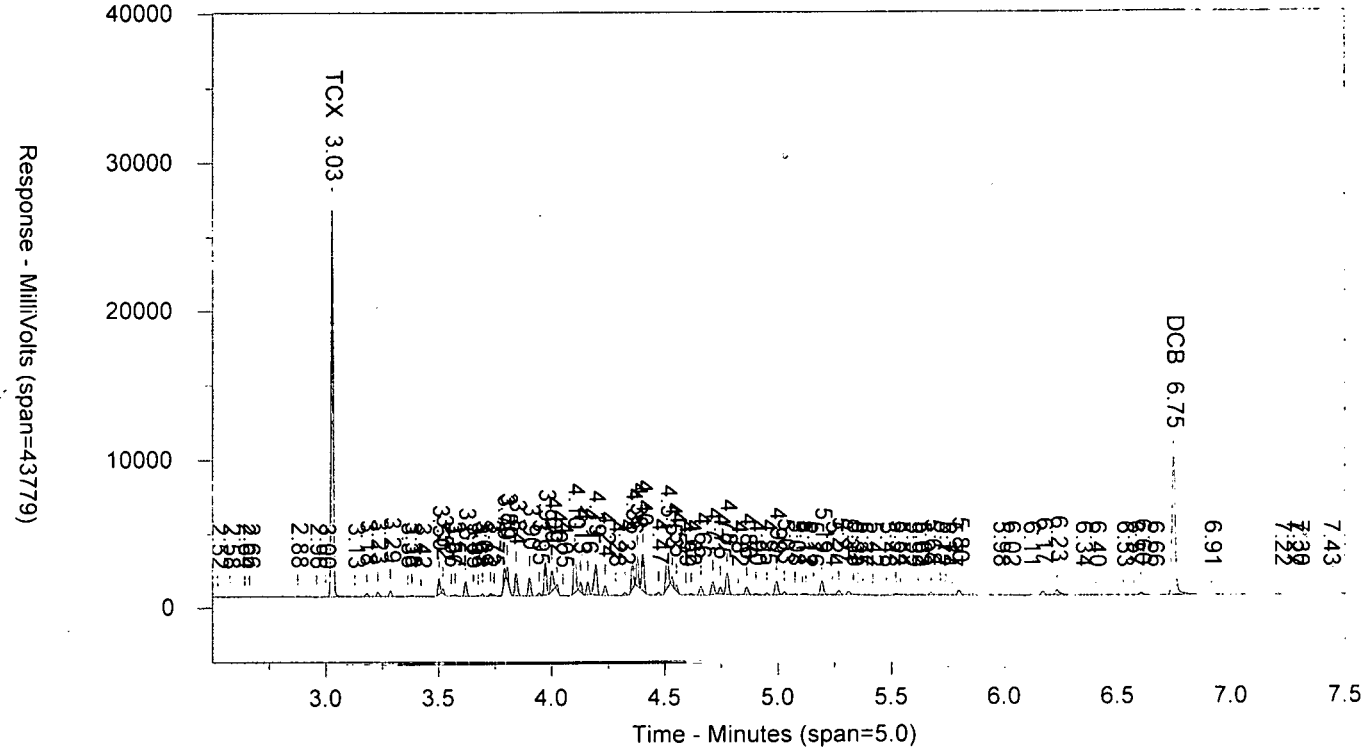

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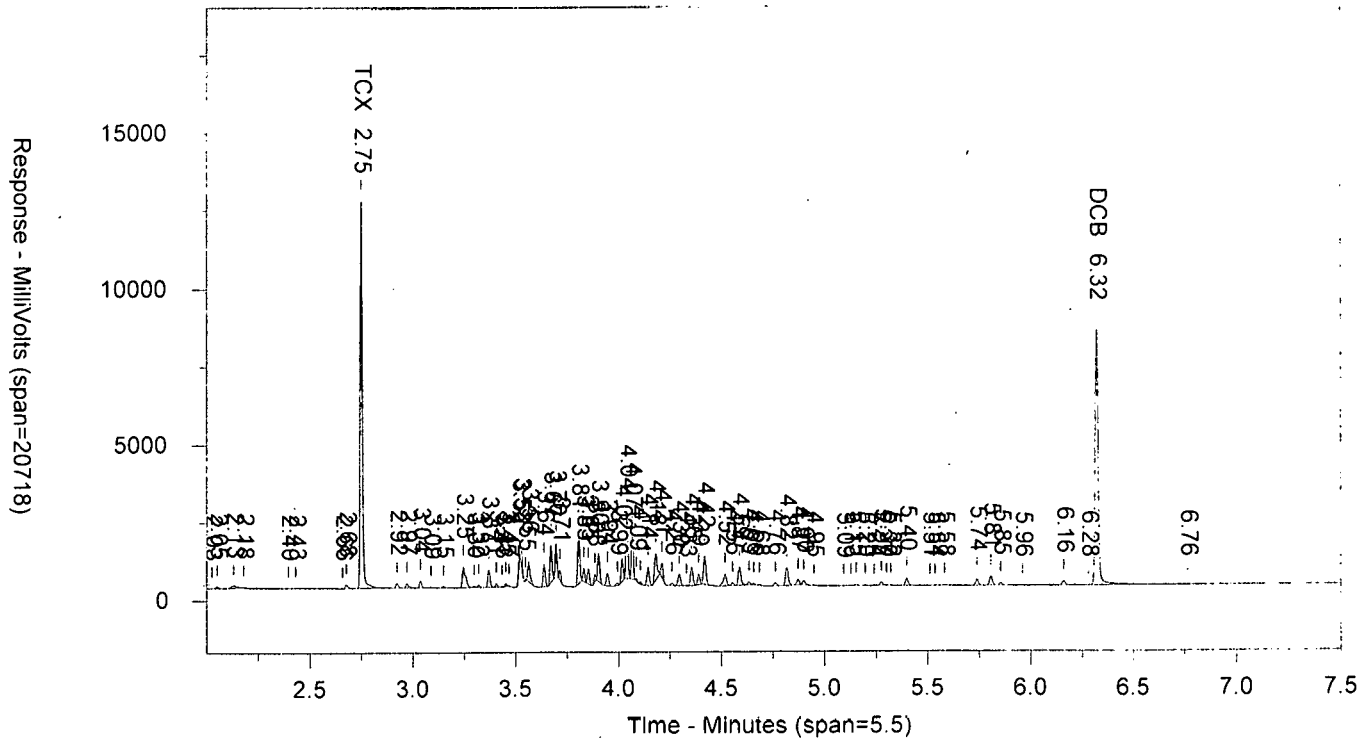

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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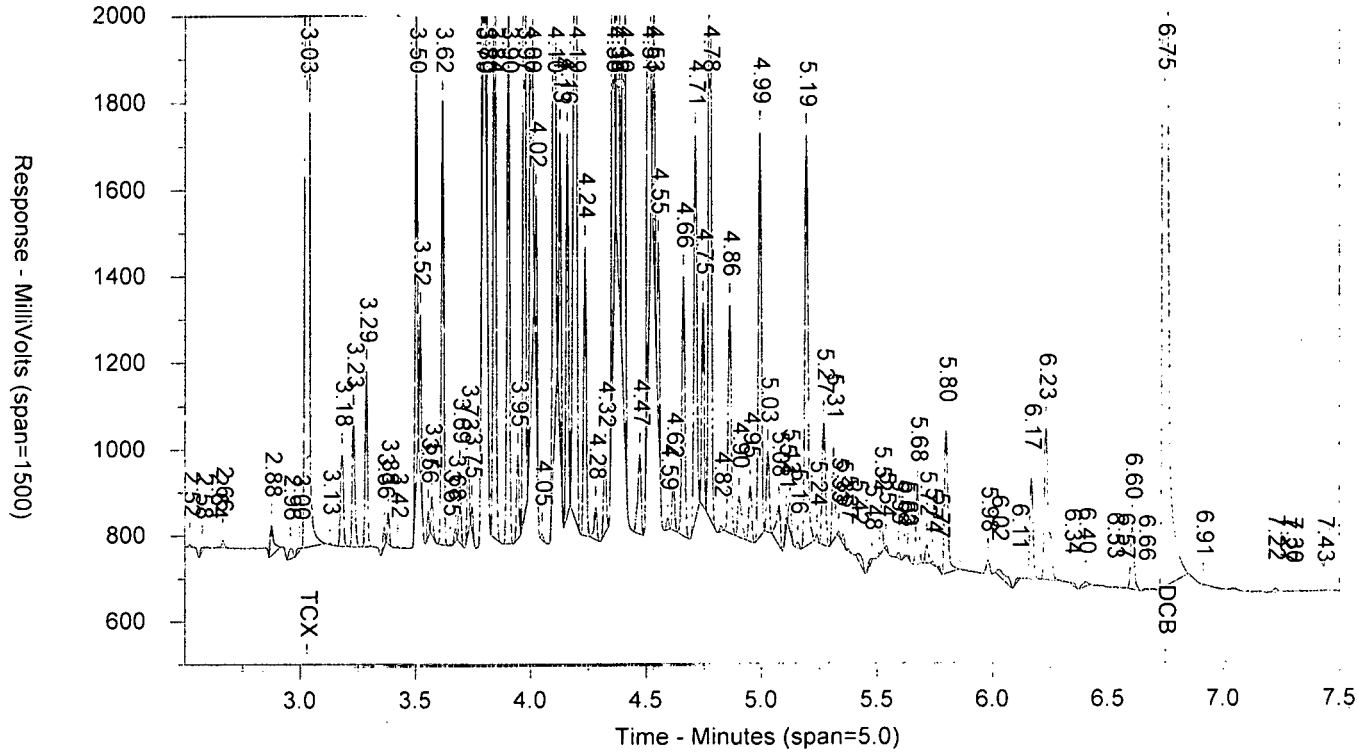

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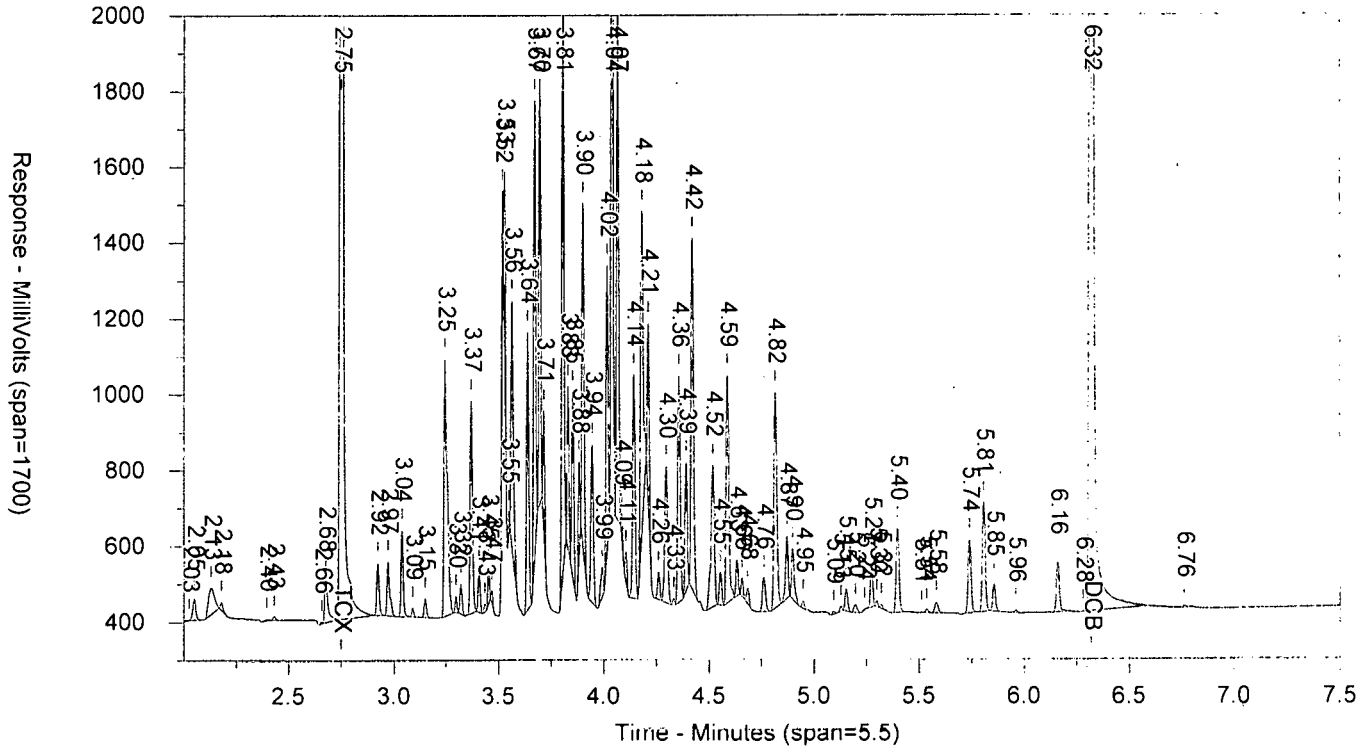

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM 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: 07PCBS17292001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.673		14846	101262
2.125		49551	88560
2.185		163644	438408
2.237		57509	121682
2.316		82192	146884
2.41		44206	38689
2.427		33200	30564
2.467		7098	8192
2.493		3149	1312
2.586		9174	21759
2.665		10876	9500
2.773		2227	1939
2.875		67841	70147
2.957		10515	14440
2.998		8755	15808
3.029	TCX	13193820	8382218
3.18		61544	51008
3.23		155577	114509
3.285		106207	70054
3.362		31956	21635
3.381		24493	15067
3.502		215041	128007
3.52		64213	51156
3.557		4863	2291
3.572		115143	72348
3.617		206390	147309
3.673		21267	14919
3.694		227506	145295
3.73		30377	18727
3.747		11948	6102
3.792		54117	31232
3.812		66359	55187
3.843		551496	436734
3.883		998	281
3.902		216008	158766
3.928		1416	265
3.945		36263	25073
3.972		2003817	1473979
4.007		625447	790892
4.051		42612	37919
4.101		1251812	914528
4.126		81388	45599
4.158		232267	163940
4.191		599899	734686
4.235		129925	103932
4.282		66621	62987
4.32		111755	77683
4.358		3006363	2095422
4.377		1072800	625000
4.403		850275	670591
4.473		757951	642692
4.516		4321304	4434355
4.552		1487280	1183543

RT A	Compound A	Height A	Area A
4.593		54008	35239
4.617		253044	193993
4.659		1512517	1375694
4.713		2804693	2410428
4.745		622904	422063
4.775		5482717	4785097
4.823		239032	168277
4.839		100918	49330
4.862		789960	606970
4.902		1686025	1632727
4.951		316396	281301
4.993		3589270	3266260
5.026		130186	96109
5.052		283089	228788
5.075		71040	41533
5.105		1157325	827800
5.121		632161	401006
5.155		48284	36094
5.194		2734694	2588201
5.239		291974	221640
5.268		358652	476570
5.311		3678082	3127396
5.333		256493	128796
5.35		143797	86444
5.375		94806	65893
5.418		130896	155023
5.47		2338	2049
5.492		4571	3363
5.518		925811	767308
5.538		150043	95863
5.568		4042	1886
5.595		128822	107810
5.635		110747	102865
5.675		90580	85808
5.716		663015	560230
5.741		91651	64727
5.773		417481	344342
5.797		99597	68673
5.98		395613	361471
6.01		60722	59978
6.105		2299	1684
6.167		107287	105543
6.231		124307	112663
6.249		15293	8346
6.403		21944	21366
6.475		3379	2570
6.524		2204	2560
6.602		63967	63937
6.748	DCB	4735666	5046944
6.974		1627	969
6.994		1165	487
7.044		4110	4967
7.194		1074	436
7.22		4664	4499
7.293		1225	416
7.34		1621	798
7.382		1297	325
7.438		1155	405
7.538		1380	420
7.626		1313	655
7.00		1481	454
7.814		1000	481
8.158		1303	624
8.372		1654	847
8.405		1185	1138
8.574		1197	847

RT A	Compound A	Height A	Area A
8.608		1209	1015

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM 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, 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: 07PCBS17292001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.632		6504	25121
1.753		1099	4015
1.913		4588	15093
2.003		7445	13676
2.049		36212	48623
2.13		61099	125417
2.178		8939	7400
2.398		5030	9018
2.429		5452	5355
2.677		110135	126417
2.749	TCX	6228594	4532517
2.922		40437	32224
2.97		75621	65227
3.037		61782	41377
3.088		12483	8718
3.15		16768	14258
3.246		147086	168394
3.298		6231	3415
3.32		85580	63261
3.371		123950	95557
3.406		145402	99067
3.434		12288	6207
3.452		15589	8171
3.518		30027	15079
3.549		22413	9736
3.564		218504	204332
3.639		137841	102022
3.671		1197790	821950
3.696		567829	392869
3.733		24986	15777
3.805		762215	563629
3.83		56342	29877
3.852		152854	110134
3.883		231696	137238
3.901		193325	116775
3.943		101897	98878
3.988		90534	94249
4.016		197950	121237
4.039		2721873	2047257
4.066		218374	124032
4.086		218863	124546
4.105		384167	258434
4.143		2381751	1857416
4.176		796878	559095
4.196		556124	340171
4.259		166020	132603
4.295		928767	843162
4.355		1841752	1575557
4.39		459065	345683
4.418		3330828	2819419
4.459		230954	222510
4.515		1572050	1532293
4.553		205946	169503
4.586		2033582	1649311

4.611		256736	170119
4.655		1279803	1092129
4.682		38770	24551
4.761		1255419	1302891
4.816		1485296	1333501
4.858		337630	332218
4.898		2396651	2562828
4.947		157077	108583
4.97		58702	39682
5.035		26822	29717
5.091		110924	108849
5.127		104740	77253
5.152		721153	621654
5.202		94693	87058
5.238		74756	62852
5.271		58619	53073
5.299		299685	221647
5.319		217702	177003
5.396		114273	105920
5.537		13897	11683
5.579		308921	354846
5.738		88341	81729
5.781		9820	7298
5.805		126385	111150
5.855		42084	39891
5.959		17214	18401
6.159		57445	51696
6.245		1538	1062
6.319	DCB	4260390	4375766
6.793		2684	3730
8.404		2005	3648
8.634		3351	9550

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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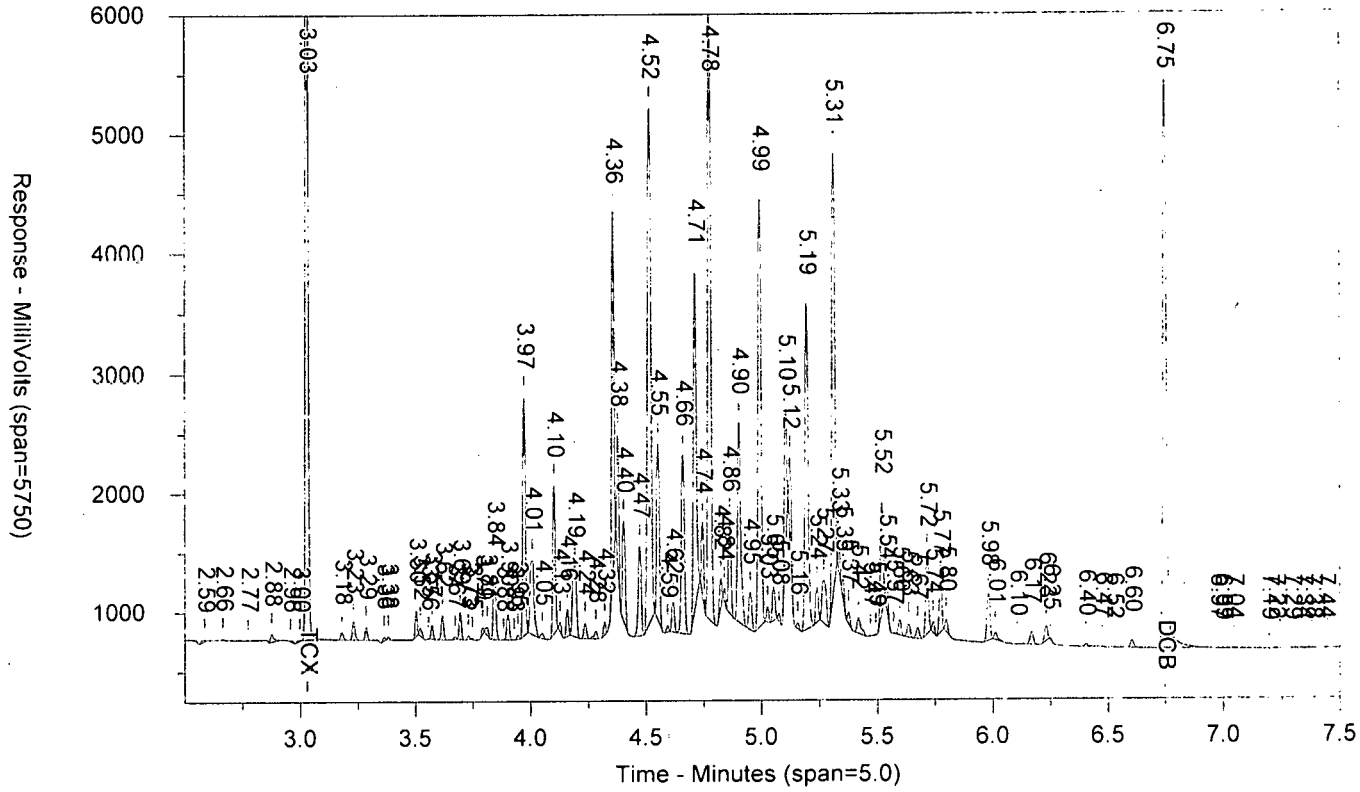

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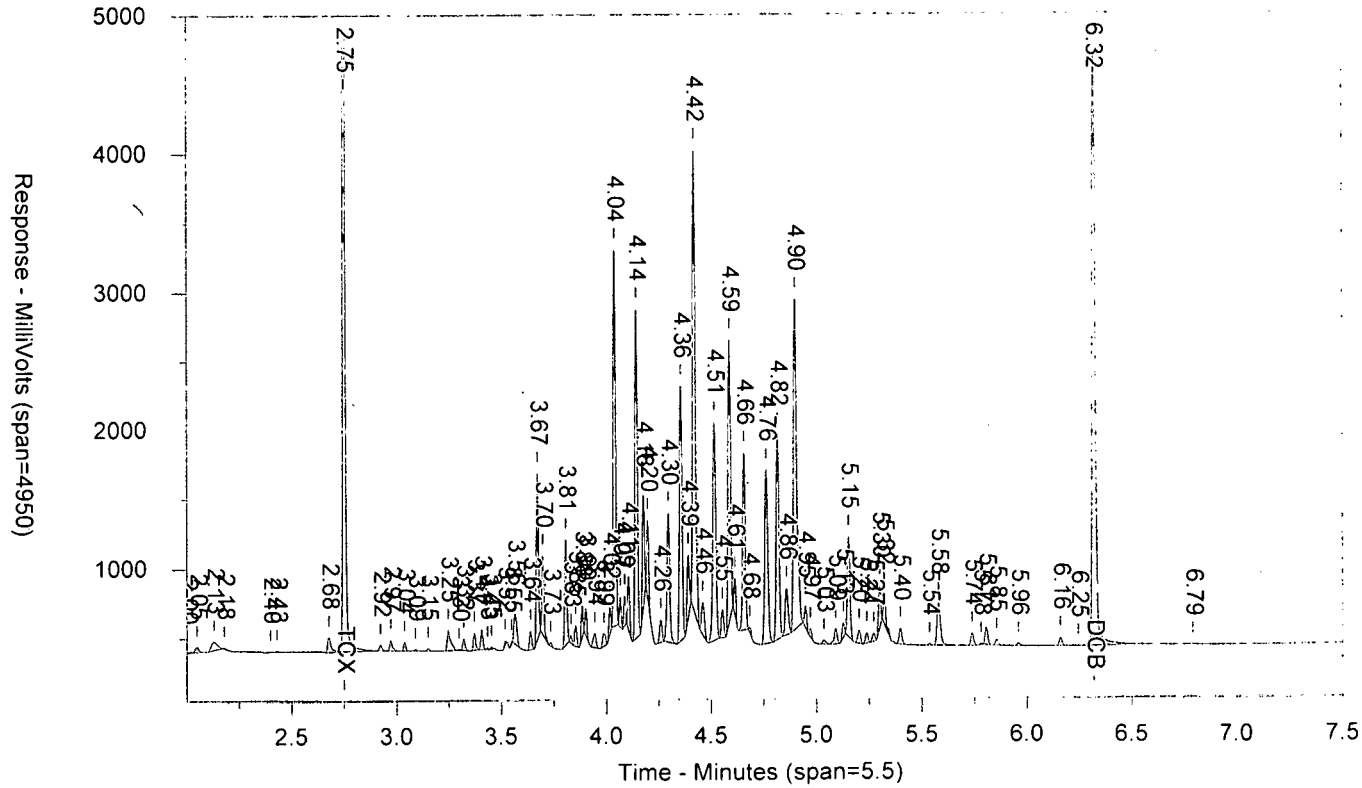

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	13193820	20.779	TCX	2.749	6228594	20.519	TCX
6.748	4735666	18.555	DCB	6.319	4260390	18.464	DCB

Files:
Area File: 07PCBS17292001.0034.RAW
Area File: 07PCBS17292001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:58:38 AM
File Reported On: 10/22/2017 at 1:38:12 PM

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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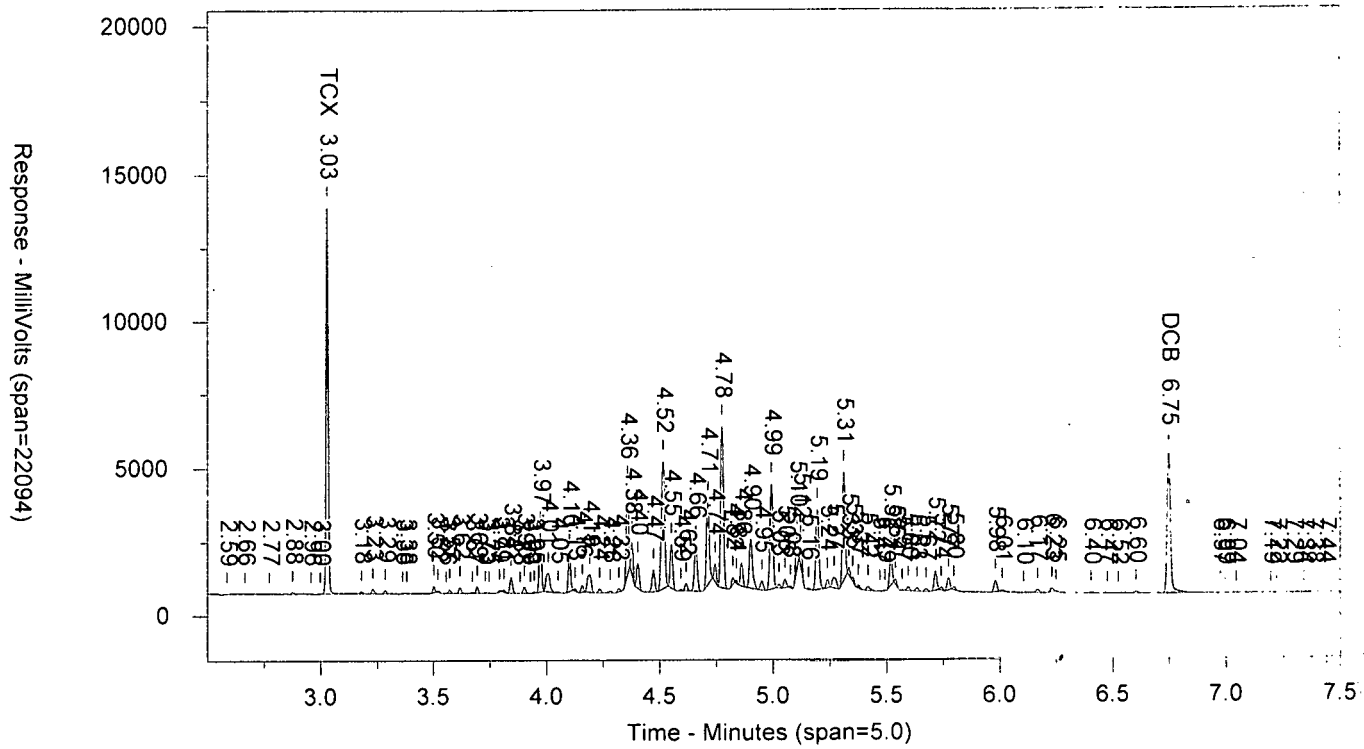

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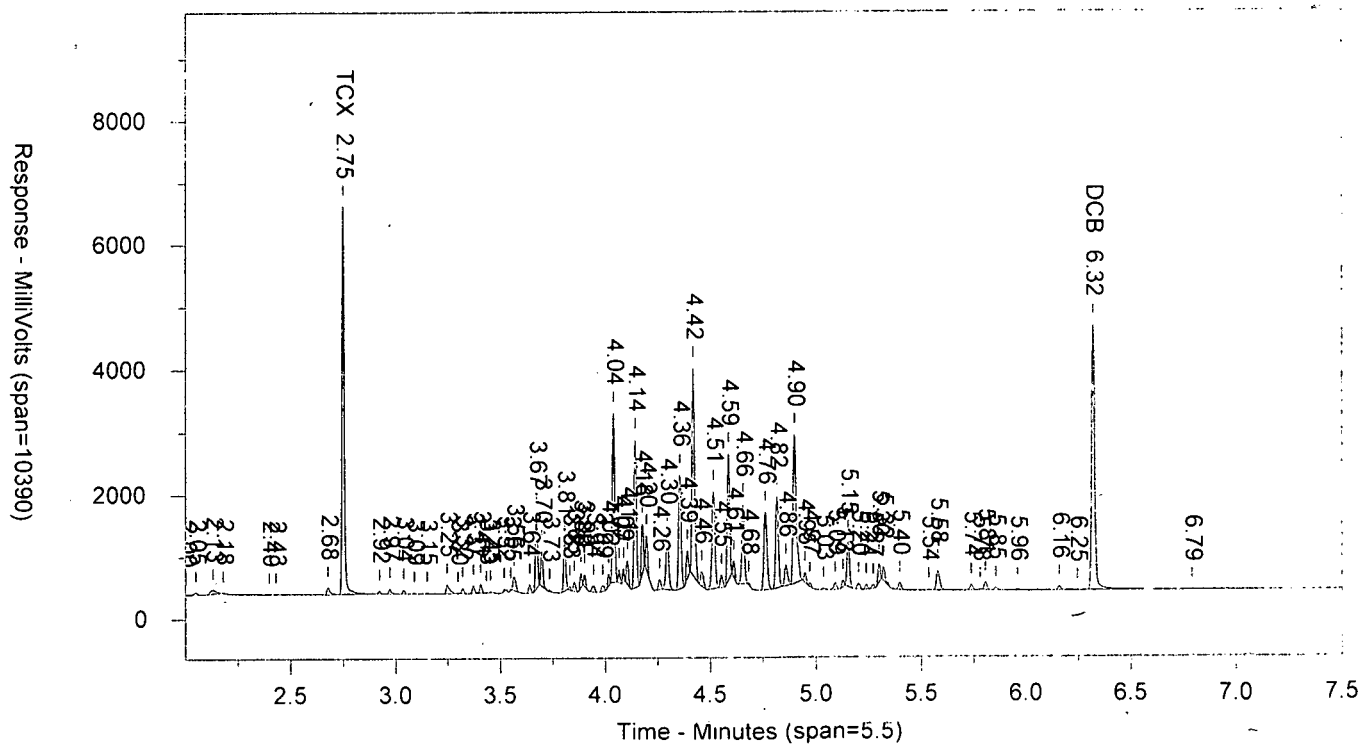

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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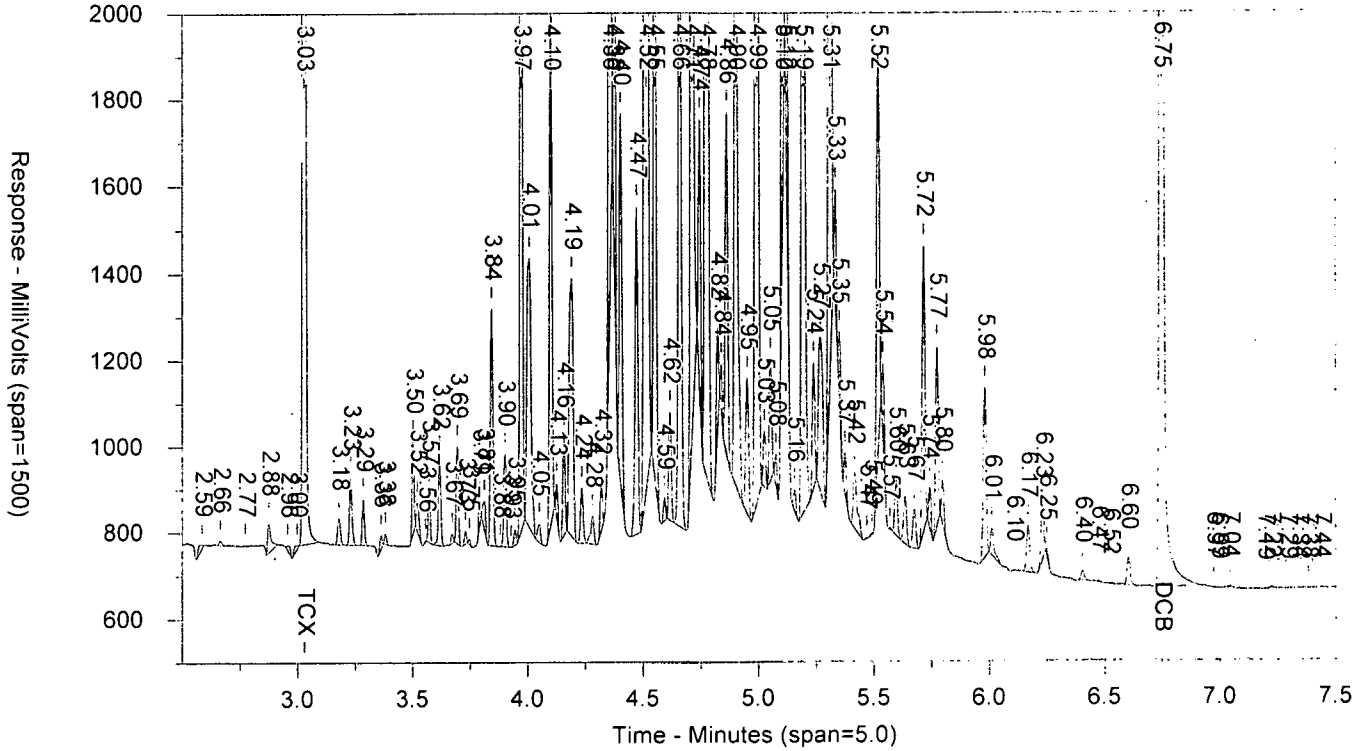

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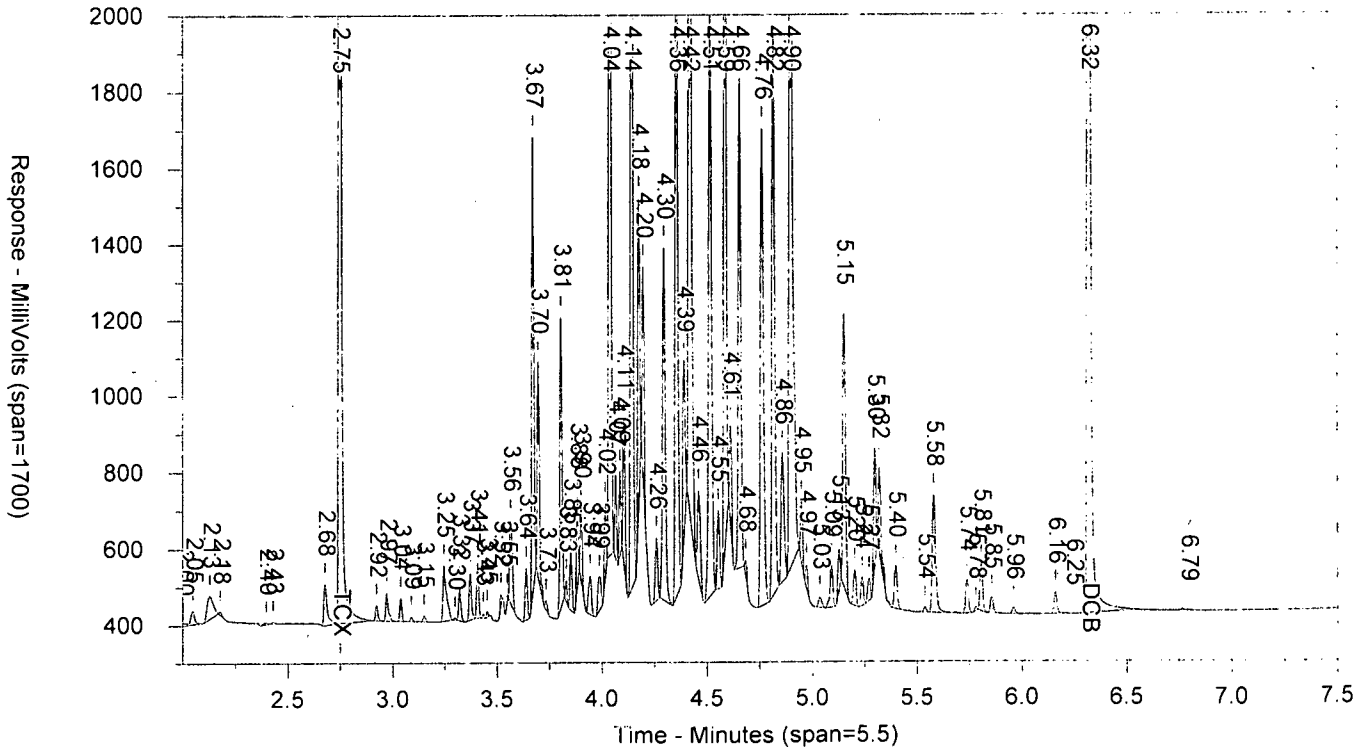

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 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: 07pcbs17292002.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.507		2999	1466
1.679		36064	135888
1.729		12168	9176
1.812		2591	2271
1.94		2432	1562
2.126		37720	75633
2.184		68483	188717
2.245		27125	54637
2.319		17423	20908
2.345		15453	21379
2.412		35962	22007
2.573		13719	10373
2.62		2979	1720
2.64		42736	32599
2.85		3476	2083
2.875		65890	54390
2.958		11890	16060
3.03	TCX	1228705	855338
3.182		53665	43111
3.239		48992	39245
3.287		228700	151103
3.381		29961	34293
3.504		229238	136586
3.521		108721	59382
3.558		23934	13437
3.574		10114	4277
3.588		10795	5244
3.621		262209	183375
3.697		10134	6170
3.732		53146	30735
3.748		27372	13696
3.793		139057	72957
3.805		224692	114988
3.844		296732	231543
3.885		1840	1002
3.905		230979	169423
3.947		19219	13676
3.975		156437	110973
4.003		116028	99736
4.025		26279	13903
4.054		3034	3051
4.104		179126	127876
4.129		61526	40635
4.16		70622	50409
4.196		187579	184510
4.238		55492	42314
4.284		10915	8506
4.326		15389	12385
4.359		122230	85635
4.38		140406	90772
4.404		176657	131122
4.462		4370	2131
4.474		5320	2697

RT A	Compound A	Height A	Area A
4.513		131530	104135
4.534		56341	33753
4.554		18277	10395
4.594		2667	1580
4.619		5620	4670
4.662		30864	27919
4.715		49458	45085
4.748		27834	20342
4.778		68298	58238
4.824		2195	1142
4.863		32944	29455
4.906		6930	8026
4.953		6339	6021
4.996		47068	43341
5.031		11170	9594
5.064		3896	2058
5.127		8211	12453
5.156		1334	572
5.195		51744	49779
5.271		17358	17637
5.313		15958	13596
5.375		2970	1955
5.472		6044	5973
5.519		3903	3255
5.54		3089	2251
5.586		13776	19059
5.678		9158	7948
5.719		3874	3226
5.775		4490	2656
5.8		20812	20626
5.98		5721	5625
6.067		2591	2645
6.105		2605	2125
6.17		13201	12318
6.235		21026	28928
6.323		2468	1747
6.407		1579	803
6.56		1295	553
6.61		7591	7726
6.755	DCB	509104	534614
7.044		952	271
7.21		1603	1431
7.41		1537	1043
7.621		1238	499
7.679		1146	338
7.805		1418	418
8.002		916	495
8.153		1060	565
8.212		1808	338
8.391		1402	392
8.499		1127	808
8.543		1657	363
8.551		2266	743
8.642		1384	683

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 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, 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: 07pcbs17292002B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.617		2637	8751
1.915		12095	39091
2.004		5089	10278
2.042		23140	21759
2.127		20661	42724
2.327		5130	8729
2.394		3330	6196
2.427		3445	3842
2.492		2146	1170
2.554		5176	4701
2.677		65554	69678
2.75	TCX	595718	425389
2.792		12196	9530
2.922		36149	28319
2.984		27465	24888
3.037		130508	88930
3.15		17017	12807
3.246		167892	188083
3.298		16186	10878
3.32		15740	10987
3.348		6470	3600
3.37		155312	116951
3.407		10905	7470
3.453		33287	18553
3.469		17392	9195
3.52		55808	33584
3.529		117043	57555
3.564		149758	120605
3.639		146388	106243
3.673		104081	67958
3.697		111452	68751
3.716		29709	15937
3.807		131127	96675
3.831		52374	31210
3.853		46504	30430
3.885		29085	15880
3.903		97770	70125
3.946		40509	32611
3.995		6518	4652
4.018		68518	46185
4.041		140317	98276
4.067		109988	78315
4.106		5383	3158
4.144		32680	27349
4.183		73899	60073
4.212		45830	30022
4.258		5640	7785
4.297		20131	16954
4.357		32819	27230
4.392		19147	14509
4.42		50534	46612
4.518		21886	28458
4.556		5233	4017
4.588		33226	30573

4.633		4571	3461
4.657		5675	4021
4.684		2704	2126
4.763		4998	3889
4.818		27777	23139
4.845		4915	3732
4.871		6972	5338
4.898		9328	11259
5.052		5503	8269
5.104		1260	1251
5.128		2725	2083
5.275		5771	5950
5.324		6050	5698
5.398		13494	12059
5.582		3488	4355
5.741		11624	10880
5.809		15699	14053
5.855		5495	5019
5.962		2438	2703
6.163		6878	6882
6.323	DCB	482840	501172
6.801		3544	4297
8.642		3075	5259

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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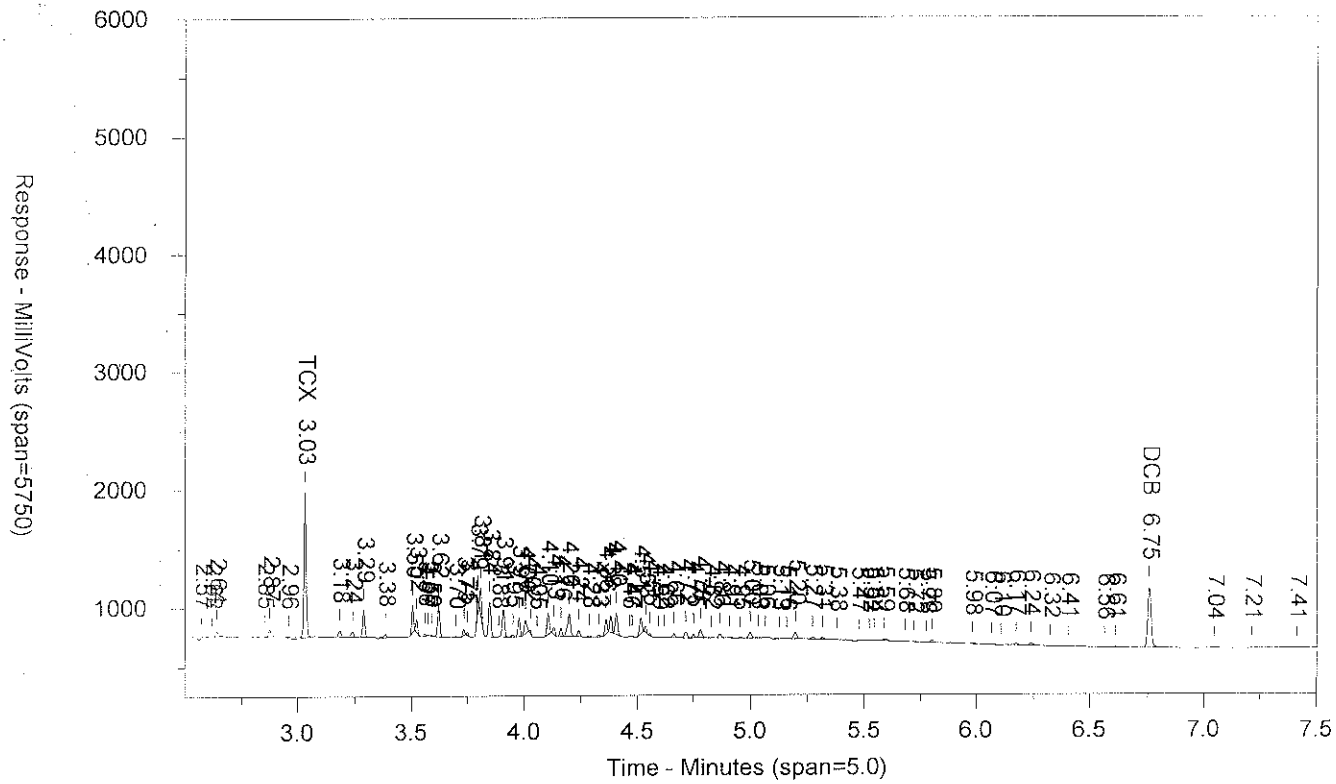

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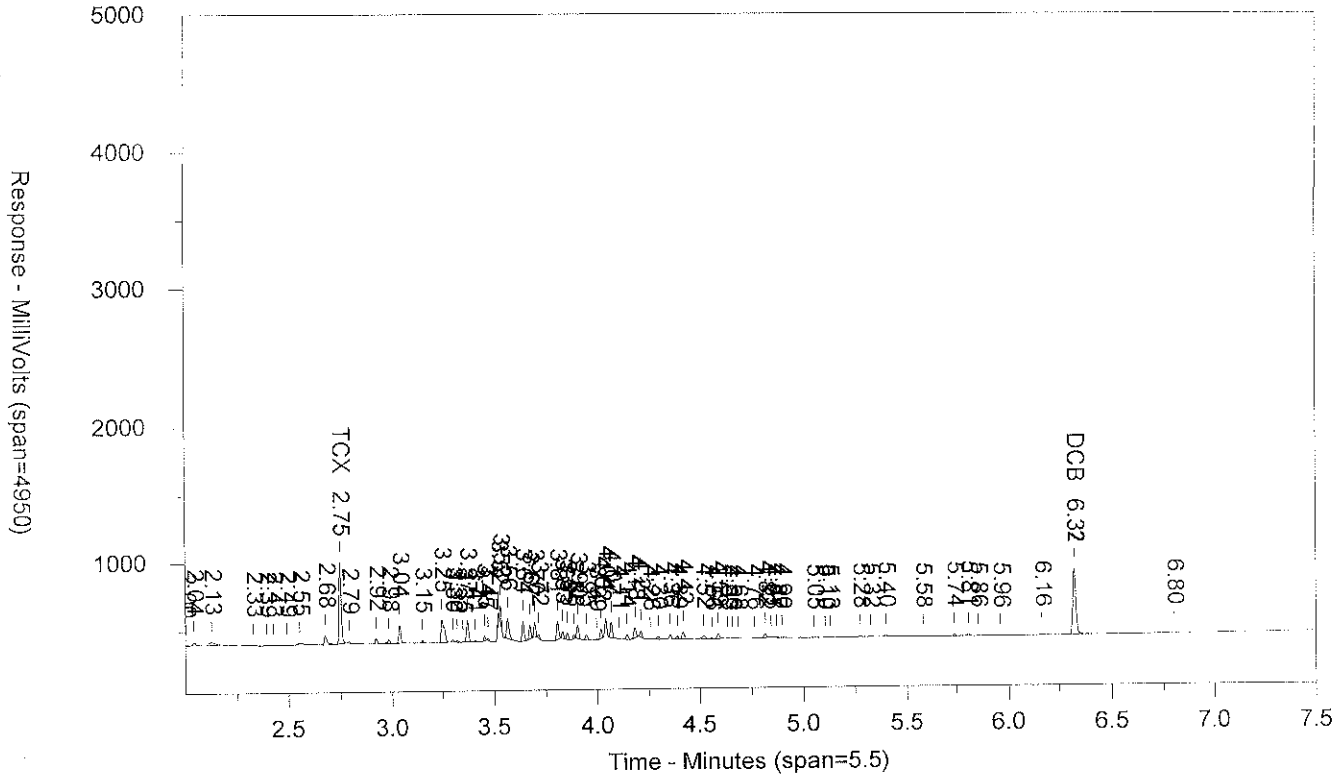

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	1228705	1.935	TCX	2.75	595718	1.963	TCX
6.755	509104	1.995	DCB	6.323	482840	2.093	DCB

Files:
Area File: 07pcbs17292002.0007.RAW
Area File: 07pcbs17292002B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:32:27 PM
File Reported On: 10/22/2017 at 6:32:38 PM

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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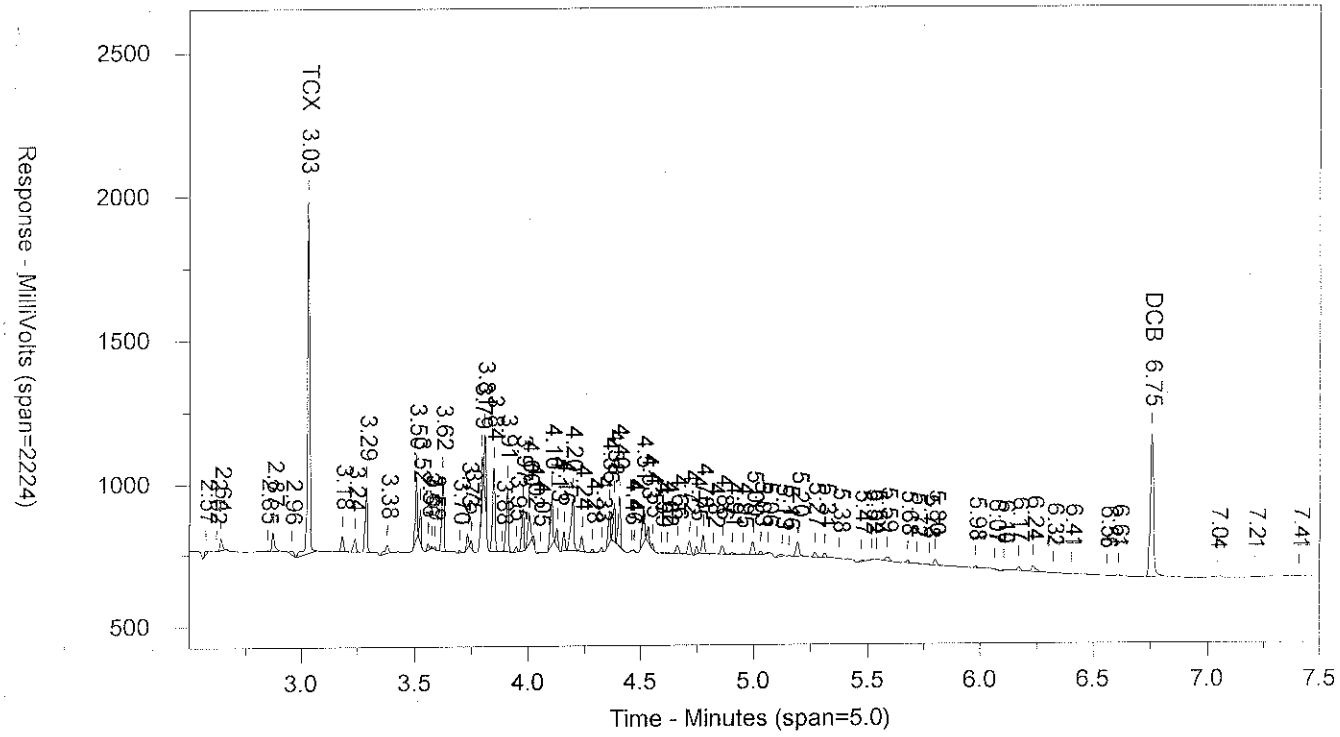

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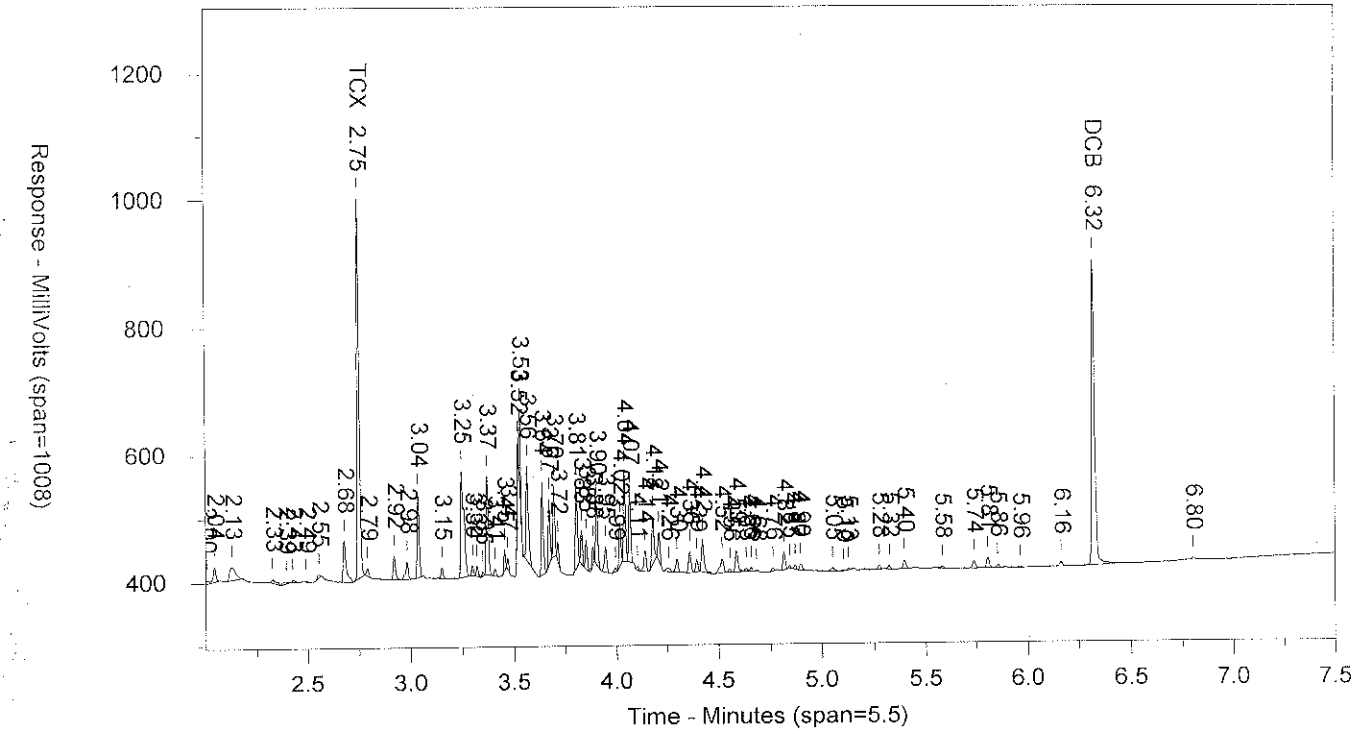

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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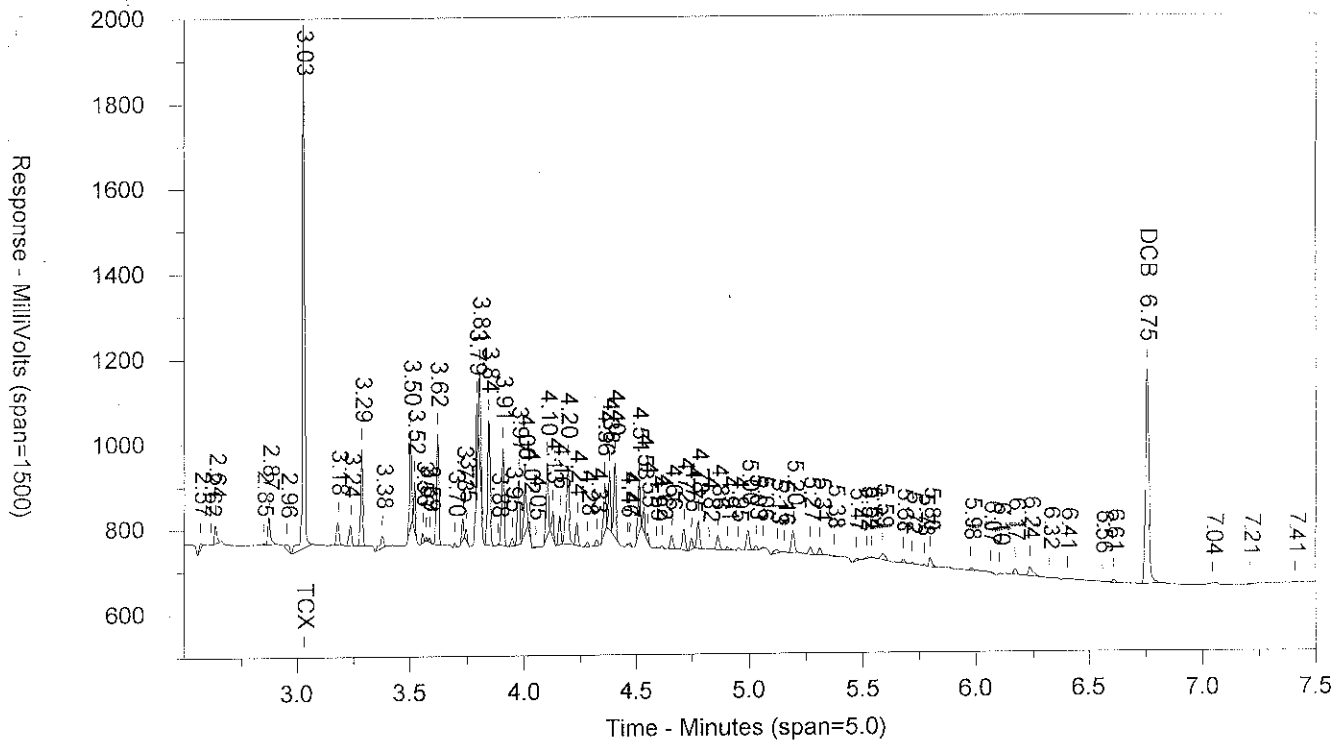

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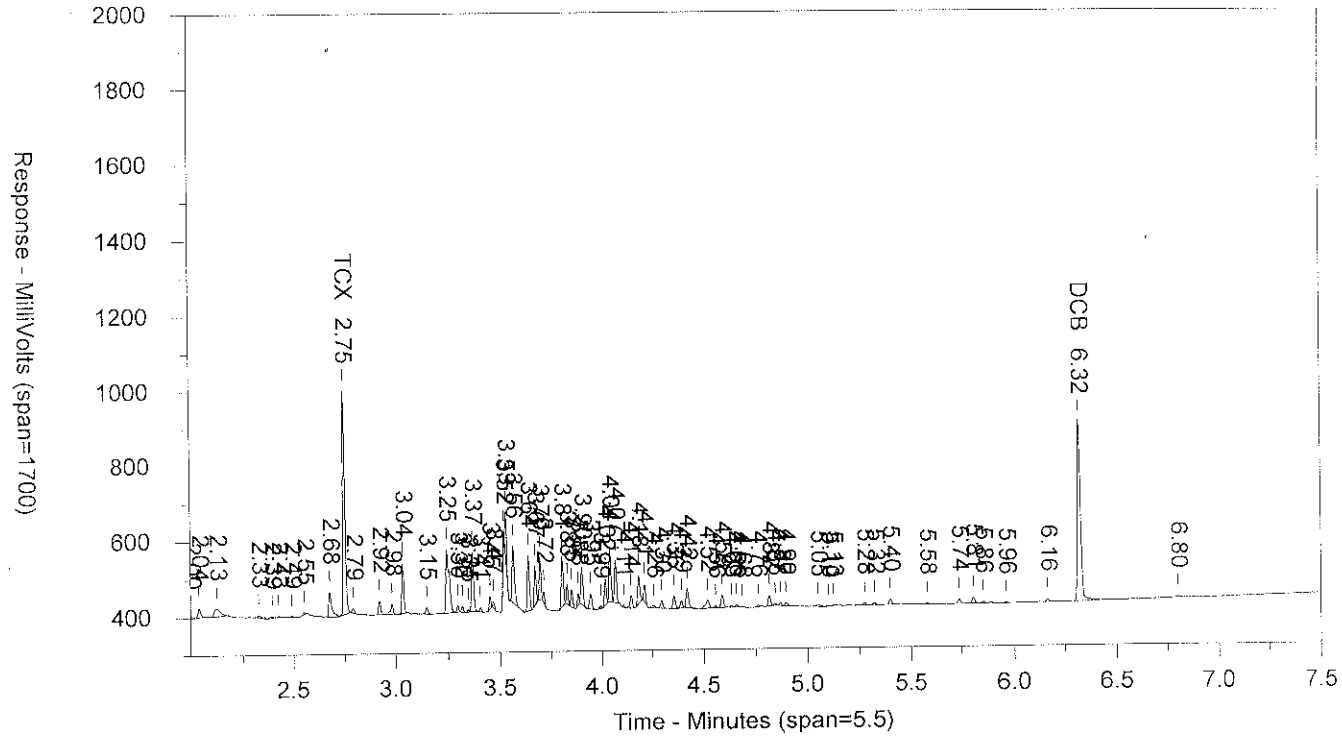

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 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: 07pcbs17292002.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		3645	1739
1.543		2799	2793
1.677		16720	134498
1.795		1944	961
1.809		2373	840
2.124		57899	116932
2.182		97811	283663
2.242		40524	91631
2.317		28797	40465
2.344		19138	22856
2.411		43376	30121
2.577		17359	18174
2.64		45859	34086
2.665		6921	3874
2.845		5977	11092
2.874		75956	70276
2.959		18533	23119
2.991		15238	14827
3.03	TCX	2472857	1619126
3.182		107154	88912
3.239		94249	78187
3.287		442594	295476
3.364		10345	9270
3.382		49208	32230
3.504		451969	269289
3.521		217233	116504
3.559		46373	26454
3.575		20696	8567
3.589		22307	10813
3.621		508796	361426
3.656		2489	1230
3.673		6012	4735
3.698		22070	14171
3.732		101674	59372
3.748		48539	26647
3.794		252828	137097
3.806		439195	231213
3.845		601086	454152
3.885		1225	464
3.906		447629	333989
3.947		38521	27164
3.975		299003	219122
4.003		232269	198854
4.025		51853	24695
4.053		6667	6112
4.104		349982	245848
4.129		124417	79703
4.161		138292	98558
4.196		361574	358823
4.238		106714	89289
4.286		20764	15849
4.326		27118	22525
4.36		244539	167243

RT A	Compound A	Height A	Area A
4.381		269690	171228
4.404		349984	257405
4.474		19505	27631
4.513		247133	205338
4.535		114926	67181
4.554		35754	19776
4.597		4126	3210
4.619		11221	8693
4.662		67036	60833
4.715		95040	85661
4.748		50550	39242
4.778		130067	112315
4.826		4624	2902
4.863		63455	56326
4.906		19783	21562
4.954		13978	13388
4.996		92662	84842
5.029		21873	18240
5.066		3219	3696
5.123		18929	30601
5.152		10414	10325
5.196		100622	103805
5.242		3851	2645
5.271		34406	34927
5.313		54992	47011
5.354		5320	2968
5.377		22833	19022
5.421		22397	31723
5.477		7382	11689
5.52		7969	6146
5.54		44429	37476
5.596		27213	30090
5.637		12435	11150
5.678		21546	19977
5.72		21908	20407
5.776		112992	99153
5.8		29932	21838
5.982		122810	119130
6.035		38659	76699
6.107		3047	2255
6.133		1295	410
6.169		33596	30546
6.233		26054	20304
6.253		20866	13853
6.408		58241	60805
6.607		30277	30646
6.68		1506	712
6.753	DCB	983002	1027937
7.048		2796	2825
7.174		1010	506
7.208		1494	388
7.316		1240	414
7.351		1482	658
7.626		1363	464
7.917		1403	522
7.953		1225	538
8.129		1075	567
8.155		1304	617
8.61		1231	924

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 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, 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: 07pcbs17292002B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.633		2695	18125
1.912		5554	17936
2.011		5515	14775
2.042		29482	27508
2.126		29673	57808
2.327		6531	13878
2.398		4548	10024
2.43		5780	5120
2.552		12923	21383
2.658		2383	1559
2.677		79341	87256
2.75	TCX	1198182	834638
2.792		23122	18093
2.922		74365	57252
2.984		53998	48749
3.037		249200	179579
3.15		32781	24221
3.246		319232	353791
3.298		33181	21548
3.321		27868	18826
3.347		13591	7335
3.37		298352	222122
3.407		22398	14789
3.453		63053	35815
3.469		33748	17455
3.52		105031	59140
3.53		247907	116368
3.564		299010	247489
3.639		283179	202865
3.673		192298	128936
3.697		209767	129143
3.716		58458	30343
3.807		246155	184995
3.831		88343	52556
3.853		90853	59799
3.885		58872	31628
3.903		185417	133186
3.947		80700	64534
3.995		14882	11065
4.018		130133	87337
4.042		265449	187119
4.068		219624	164701
4.107		10370	5276
4.145		66618	55827
4.182		138834	114455
4.212		90953	60307
4.26		8448	8804
4.296		41135	39752
4.357		63863	53293
4.391		37275	27229
4.42		94812	80304
4.518		48377	60189
4.554		10926	8954
4.588		65504	53023

4.635		9671	6890
4.658		18149	13042
4.685		4578	3306
4.765		17602	15543
4.791		3607	2579
4.818		56575	46520
4.846		3683	2389
4.871		16665	13377
4.899		32586	27665
4.933		14864	13827
4.972		10692	8742
5.05		3165	2815
5.072		2567	1682
5.129		38252	32595
5.152		7658	5412
5.204		19047	18028
5.239		9060	6969
5.274		15461	15864
5.322		111875	109846
5.398		29921	28672
5.538		40206	38691
5.584		100443	115848
5.74		26490	25530
5.785		1963	1714
5.808		33364	29696
5.857		27972	25719
5.961		48445	43733
6.161		29057	28034
6.321	DCB	943656	953145
6.799		3051	4178
8.4		2108	2538
8.634		3354	6750

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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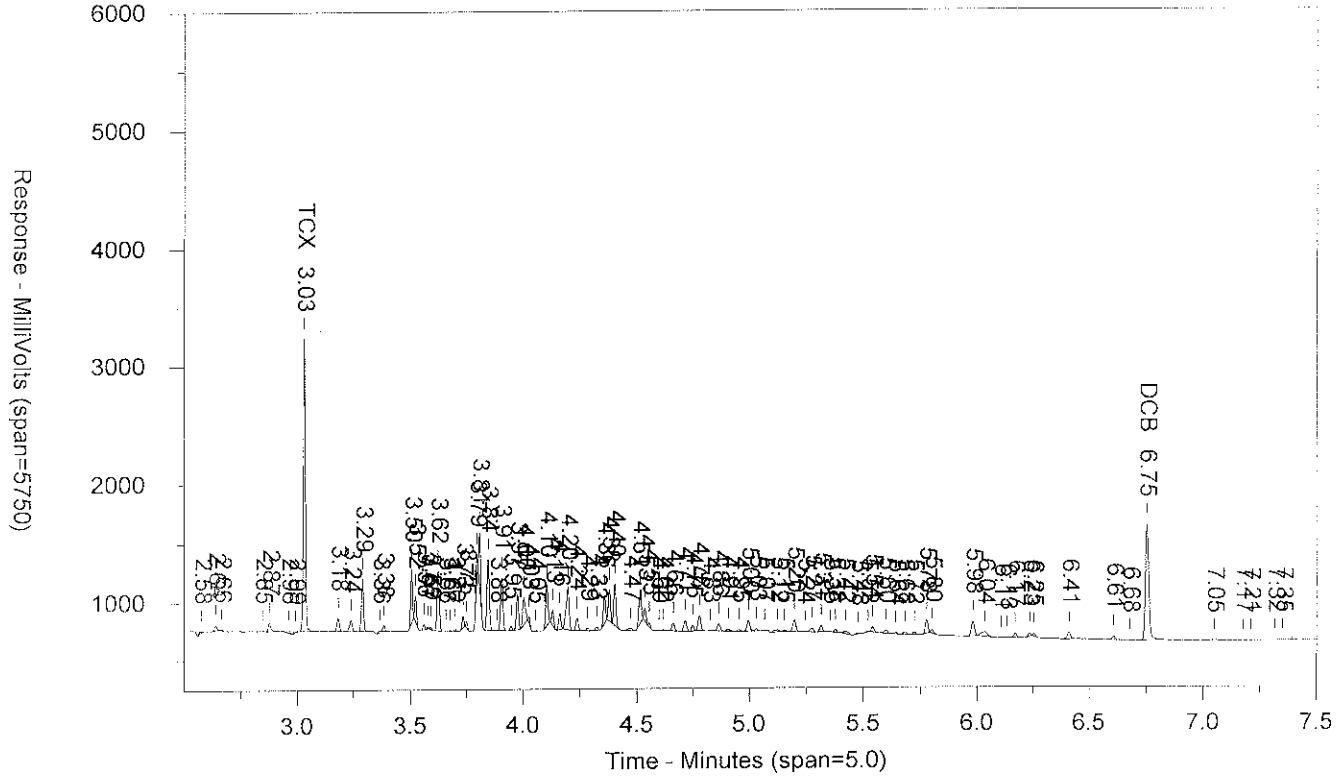

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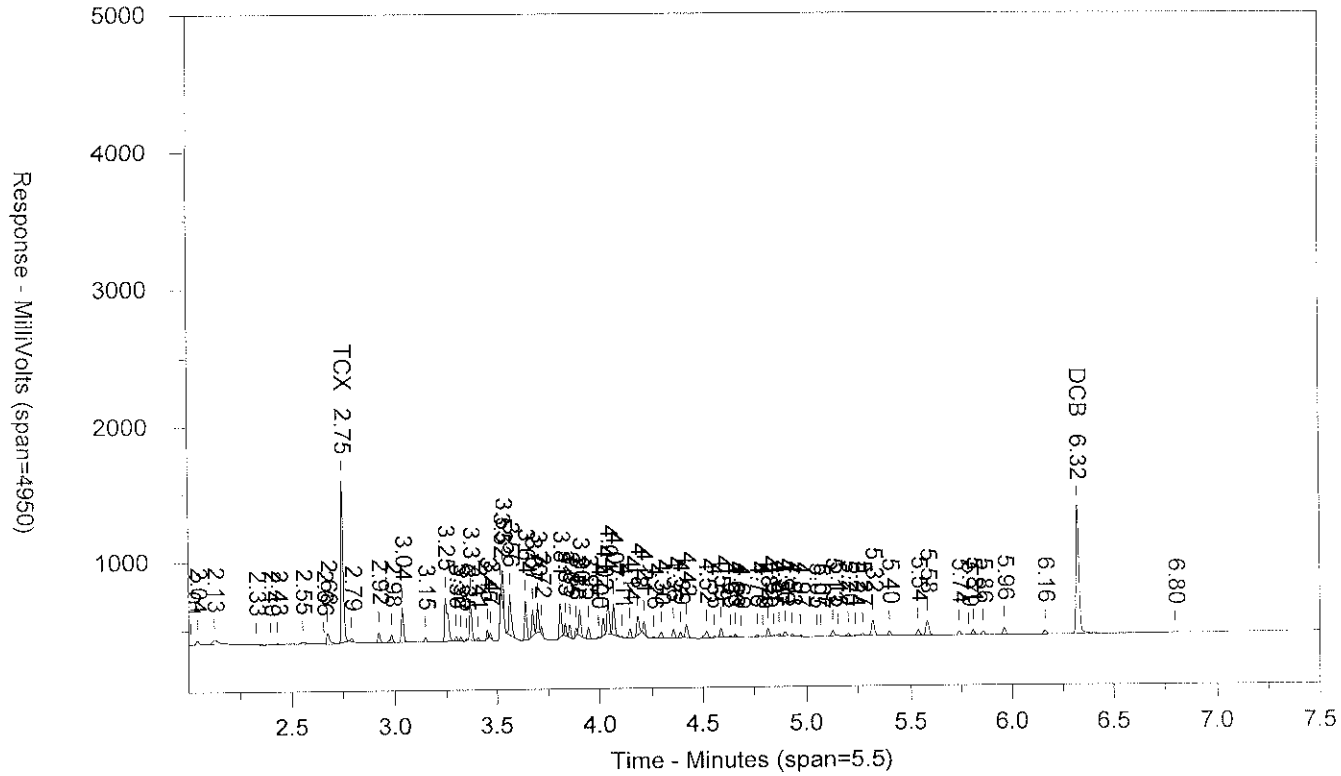

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	2472857	3.895	TCX	2.75	1198182	3.947	TCX
6.753	983002	3.852	DCB	6.321	943656	4.09	DCB

Files:
Area File: 07pcbs17292002.0008.RAW
Area File: 07pcbs17292002B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:43:50 PM
File Reported On: 10/22/2017 at 6:44:02 PM

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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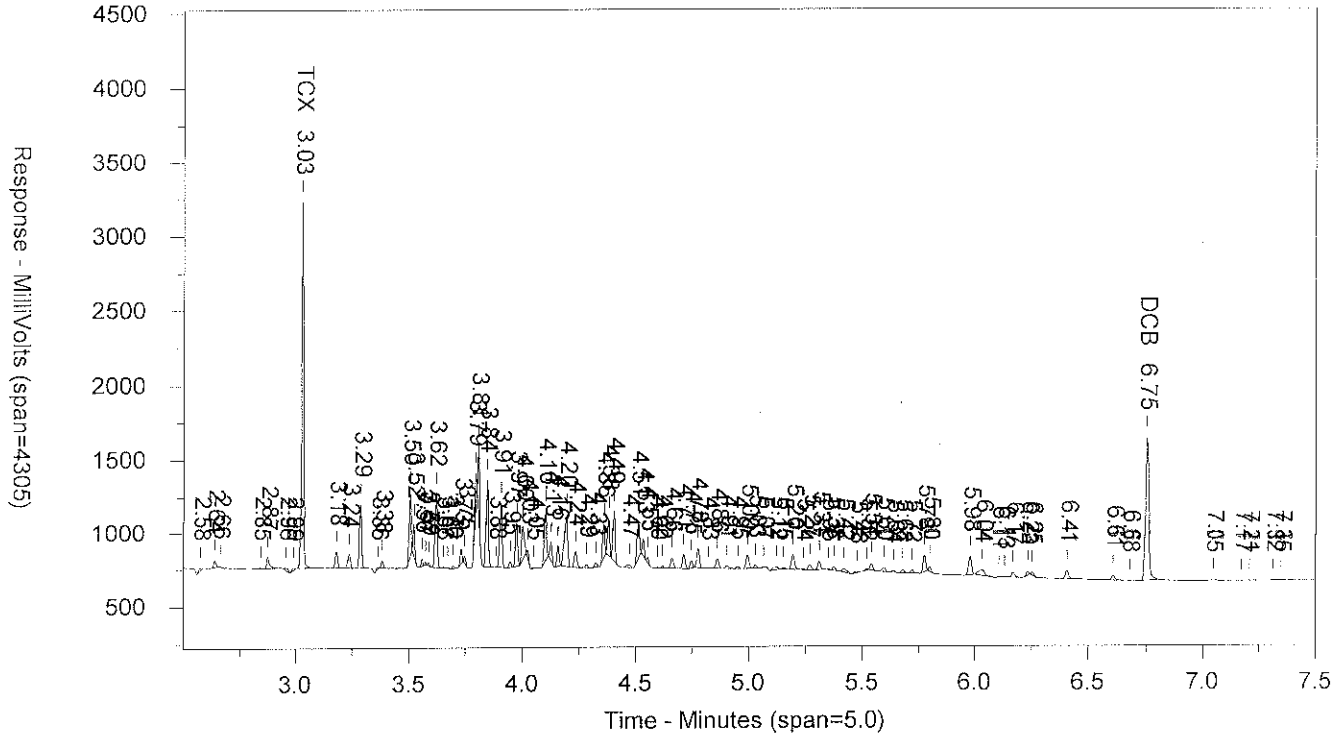

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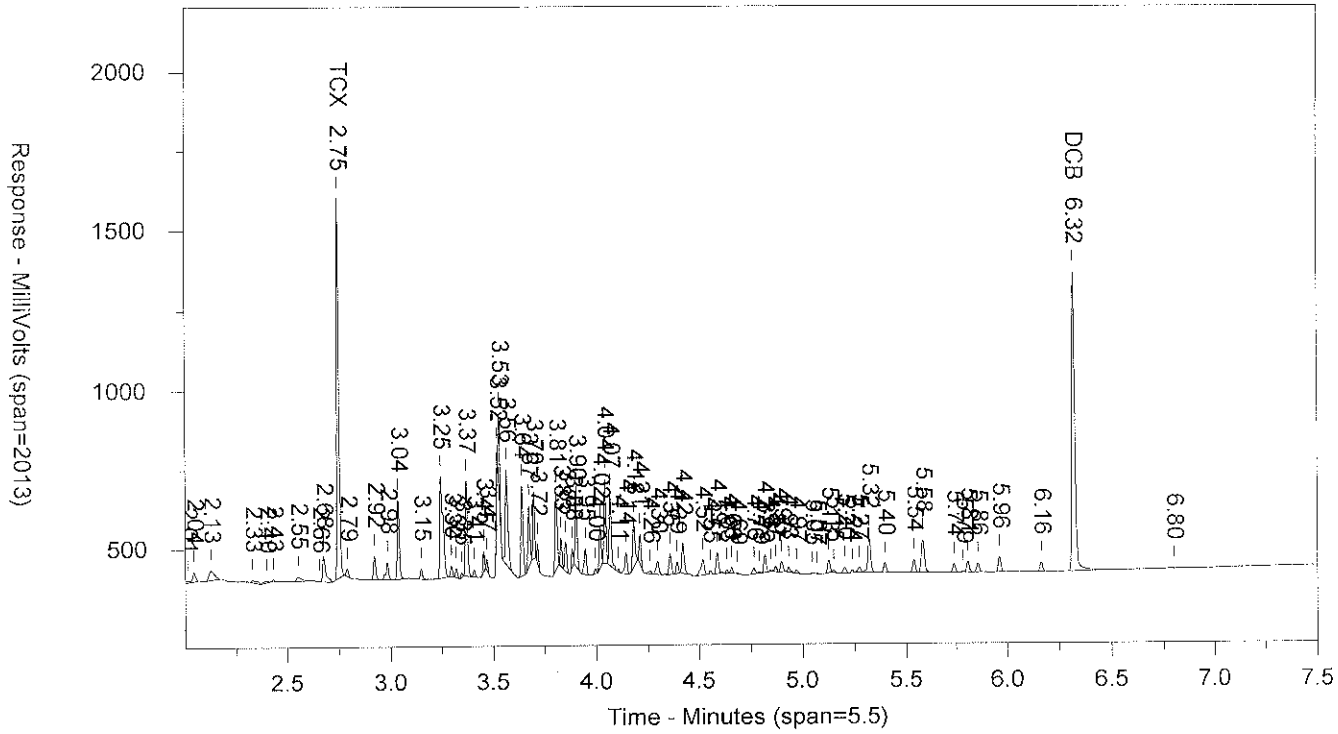

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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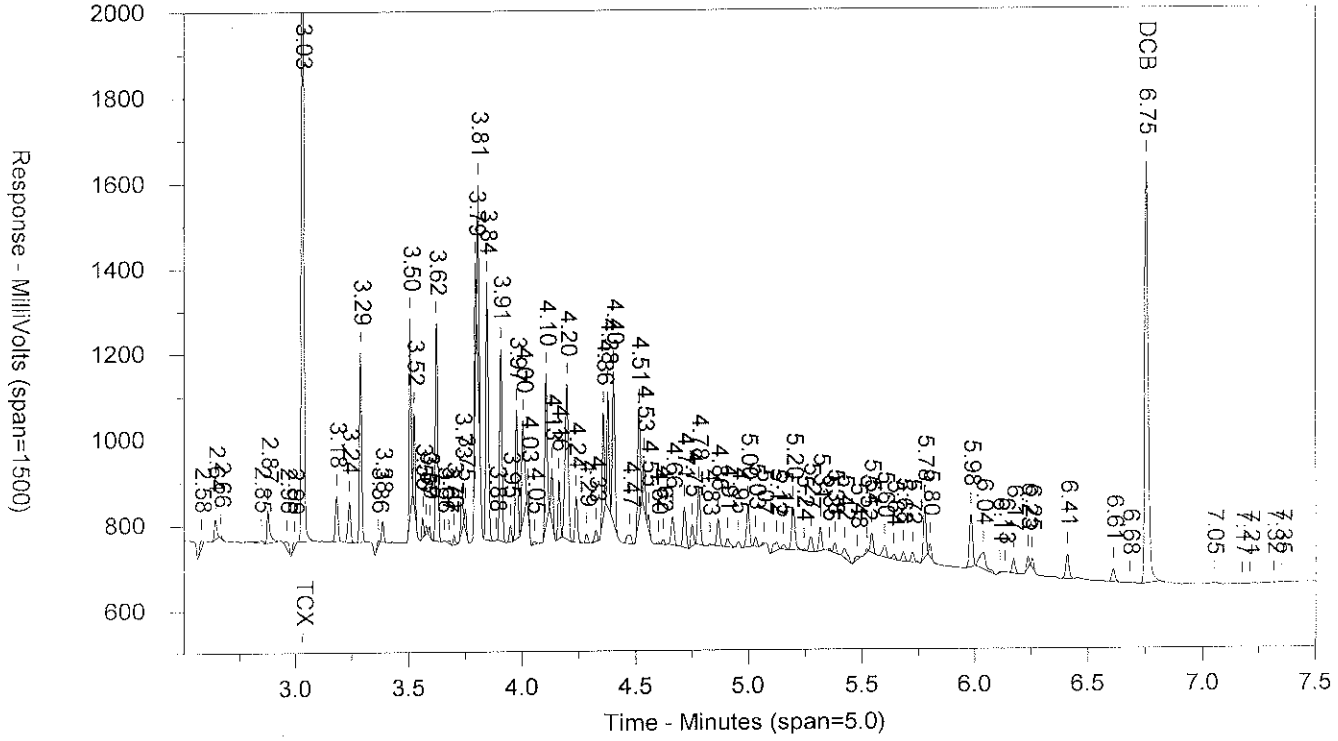

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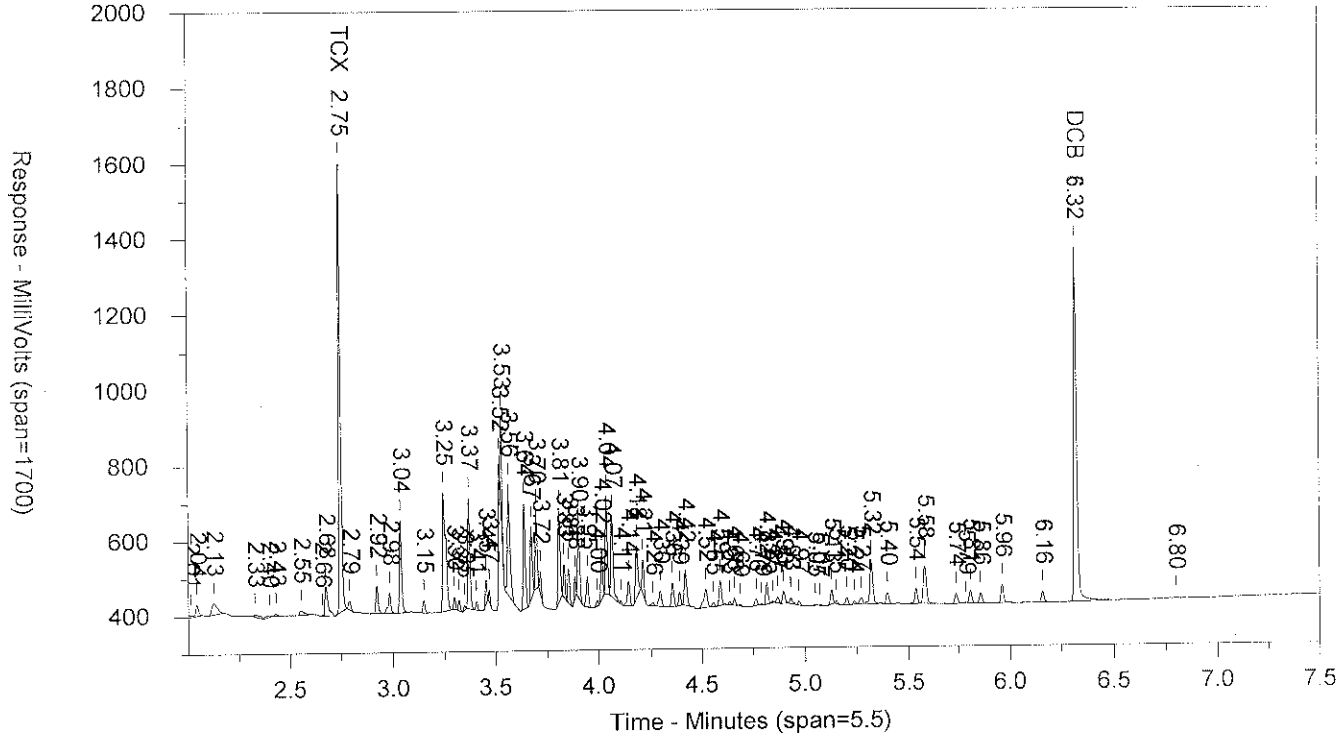

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 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: 07pcbs17292002.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		3150	1984
1.657		11136	52282
1.728		2621	1094
1.809		3478	4628
2.122		45457	73679
2.181		70998	272956
2.317		63796	53920
2.343		8422	7272
2.411		47338	30406
2.428		22608	15256
2.521		3154	2106
2.579		14105	17375
2.64		29065	21133
2.664		15586	9503
2.874		46893	37671
3.03	TCX	12364110	8089142
3.161		3774	1527
3.182		207864	167383
3.237		206429	202931
3.287		849705	566618
3.363		23438	15306
3.381		91448	58326
3.504		869409	506675
3.521		408424	219050
3.558		86449	48937
3.574		37116	16243
3.588		44164	20765
3.62		1011590	695957
3.657		4634	2710
3.675		15637	10534
3.695		57039	34779
3.731		189377	113393
3.747		97998	51140
3.793		572681	296953
3.805		874039	442078
3.844		1174059	882445
3.904		883398	655540
3.946		70473	50879
3.975		580014	415870
4.002		424599	370347
4.025		122597	62636
4.052		5616	3680
4.103		667313	474522
4.128		237832	155010
4.16		263385	189878
4.196		706031	687978
4.238		215903	170379
4.283		40162	32409
4.325		52979	42931
4.359		453230	307853
4.38		541640	348413
4.404		680184	503421
4.464		7422	6099

RT A	Compound A	Height A	Area A
4.473		12500	7012
4.513		477804	384658
4.534		221806	131506
4.554		60539	35546
4.594		7705	4832
4.618		22311	16790
4.662		112788	104096
4.714		176528	155421
4.747		86263	66446
4.778		248853	210089
4.824		2742	1434
4.863		117123	106698
4.904		11250	8797
4.952		25859	24269
4.995		176238	155859
5.03		86551	77551
5.075		20099	29644
5.11		4090	3668
5.124		15289	10314
5.157		8316	8635
5.195		175555	171508
5.238		2822	1741
5.271		146683	137604
5.313		47988	42050
5.334		3631	2001
5.353		6226	3527
5.377		3815	2950
5.479		6019	8447
5.521		15440	11982
5.54		7581	6078
5.595		13944	16884
5.621		3341	1729
5.678		89198	87957
5.721		13154	10881
5.776		17795	11987
5.8		172598	152250
5.882		2561	3025
5.926		1509	658
5.981		30024	28518
6.026		8990	16994
6.109		2095	1515
6.17		123434	124694
6.235		137563	118237
6.406		13870	13549
6.527		1385	363
6.607		65722	64297
6.689		1029	226
6.753	DCB	4489690	4745195
7.052		2188	1997
7.226		3246	3053
7.457		1919	733
7.626		1273	335
8.187		1096	1236
8.332		1029	858
8.445		1436	452
8.615		1725	1159

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 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, 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: 07pcbs17292002B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.63		3123	14797
1.919		3093	9546
2.011		5787	12872
2.047		40217	53370
2.125		20516	39128
2.179		11256	9871
2.276		1837	2412
2.331		3240	7647
2.398		3933	7693
2.43		11112	9437
2.552		8089	14856
2.677		51114	58653
2.75	TCX	6012809	4175361
2.792		36992	25824
2.922		136767	107047
2.971		41694	20596
2.984		66205	35058
3.037		461647	340204
3.088		11760	8162
3.149		62951	47024
3.246		584406	654876
3.298		64847	41835
3.32		45522	29333
3.347		28559	16133
3.37		547539	414317
3.406		43166	27385
3.435		8684	4252
3.453		116720	67079
3.469		64360	33028
3.52		207691	105077
3.529		478742	229345
3.564		567821	467685
3.639		529246	380228
3.673		361223	236858
3.697		389807	239111
3.715		107090	58571
3.807		460405	344955
3.83		163808	96699
3.852		159677	108335
3.884		100350	56695
3.902		356367	246769
3.945		145491	121048
3.995		26231	18896
4.017		238710	164012
4.041		492564	350701
4.067		415559	311767
4.105		16111	8961
4.144		119080	103373
4.182		266495	220265
4.212		168774	114499
4.261		16211	14716
4.296		73277	67627
4.332		9414	5595
4.357		116860	97674

4.391		68715	51211
4.42		172292	145905
4.518		78512	96539
4.554		19028	14899
4.588		123926	107488
4.634		52915	40828
4.657		11815	6700
4.685		9758	8018
4.763		22733	24822
4.818		110582	98415
4.872		90211	75006
4.899		29319	24185
4.949		4914	3395
5.051		4489	6045
5.129		9556	7647
5.154		13317	10118
5.199		11191	13225
5.239		3582	2133
5.275		57318	50072
5.322		21466	18471
5.398		129341	121909
5.539		7515	5939
5.584		22681	25030
5.74		106441	101429
5.808		144163	136288
5.856		41016	39098
5.961		11130	10433
6.162		60778	55124
6.285		1427	2326
6.322	DCB	4162795	4172160
6.771		3417	3680
6.801		3095	3385

AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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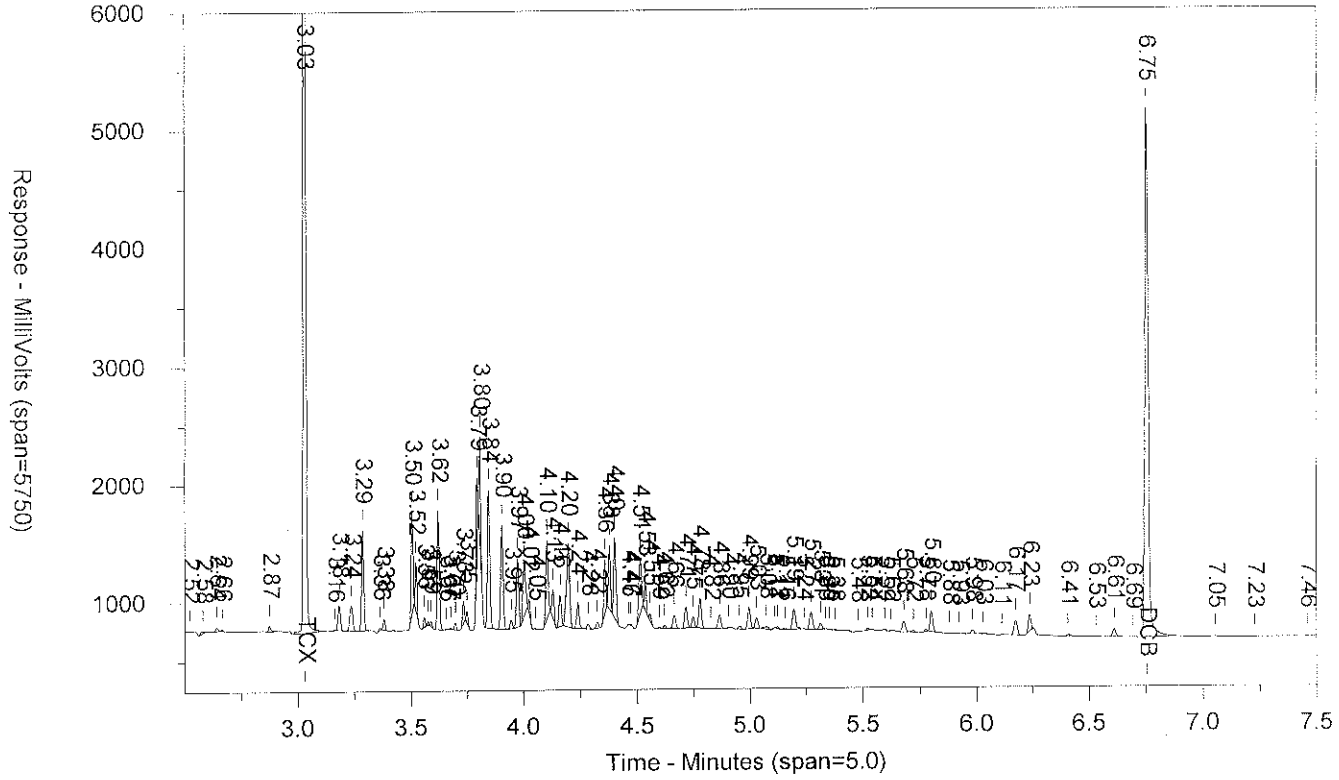

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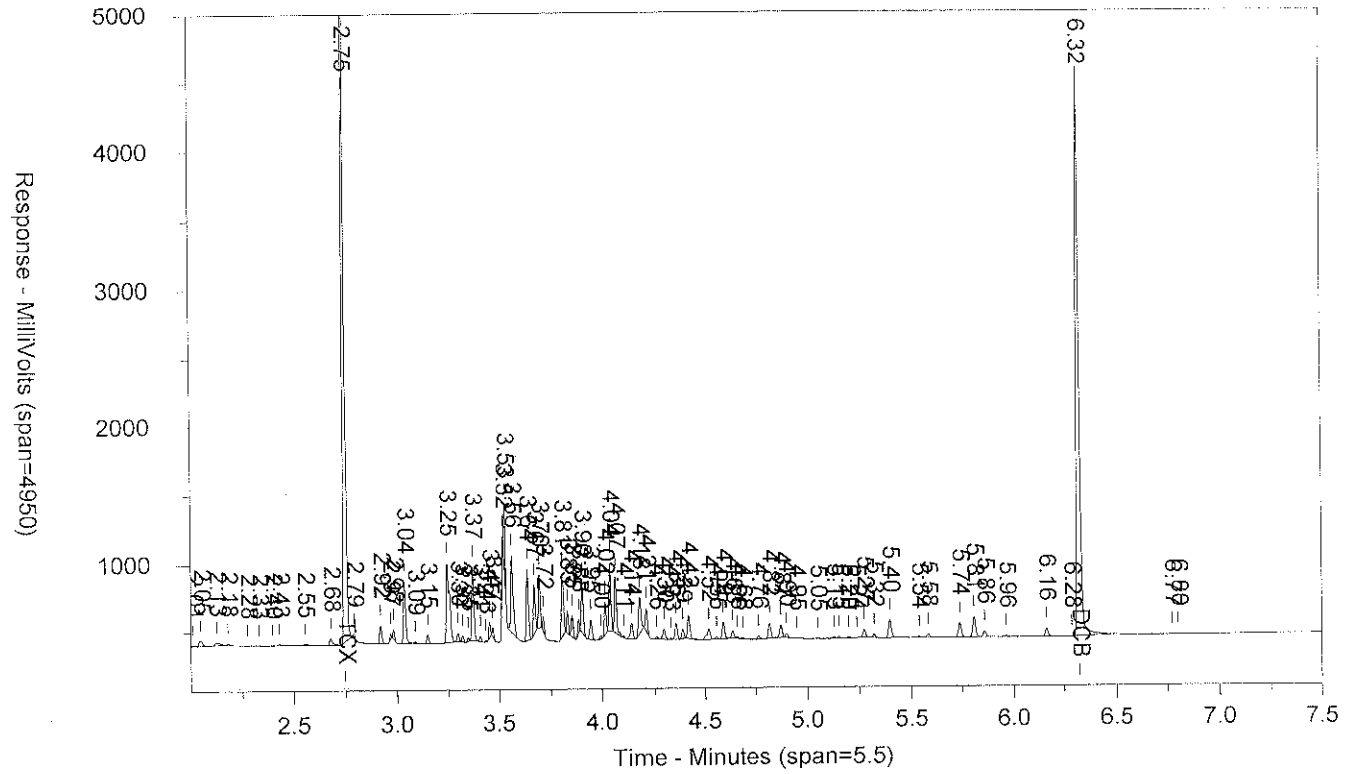

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	12364110	19.472	TCX	2.75	6012809	19.808	TCX
6.753	4489690	17.591	DCB	6.322	4162795	18.041	DCB

Files:
Area File: 07pcbs17292002.0009.RAW
Area File: 07pcbs17292002B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:55:15 PM
File Reported On: 10/22/2017 at 6:55:24 PM

AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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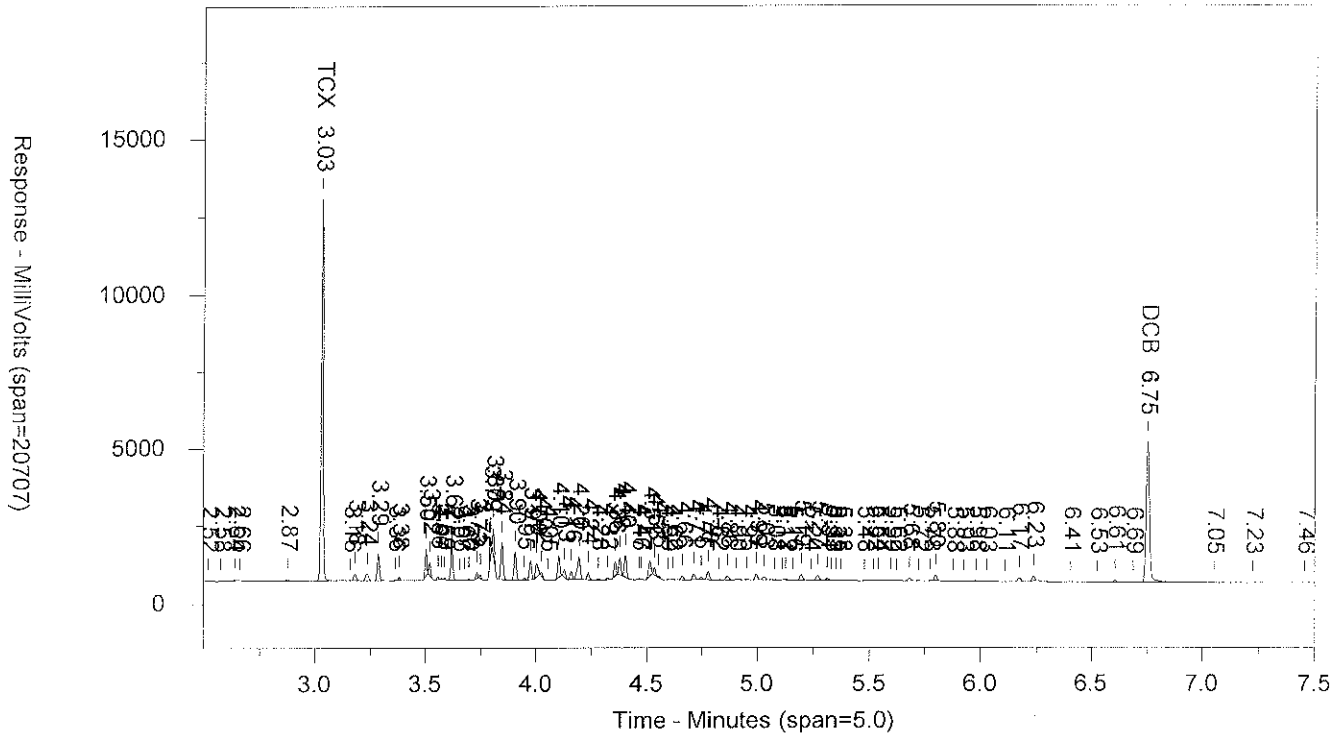

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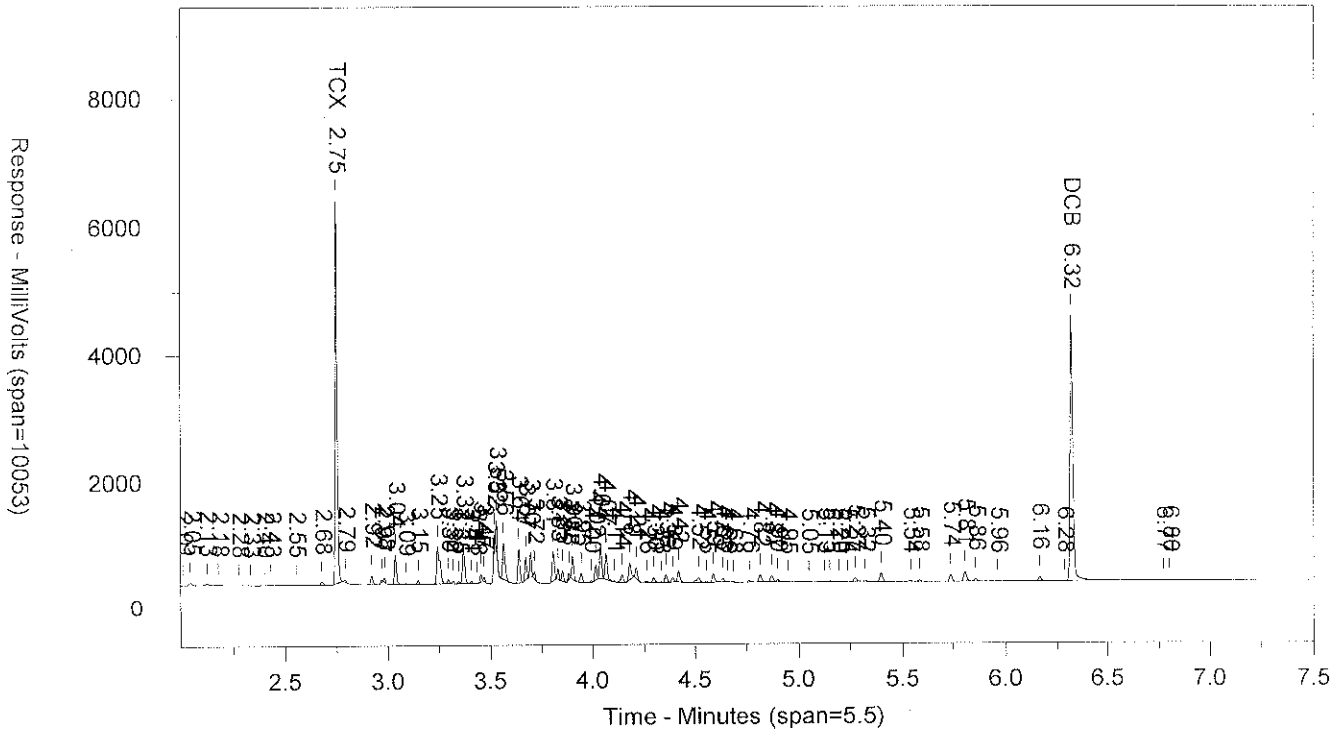

AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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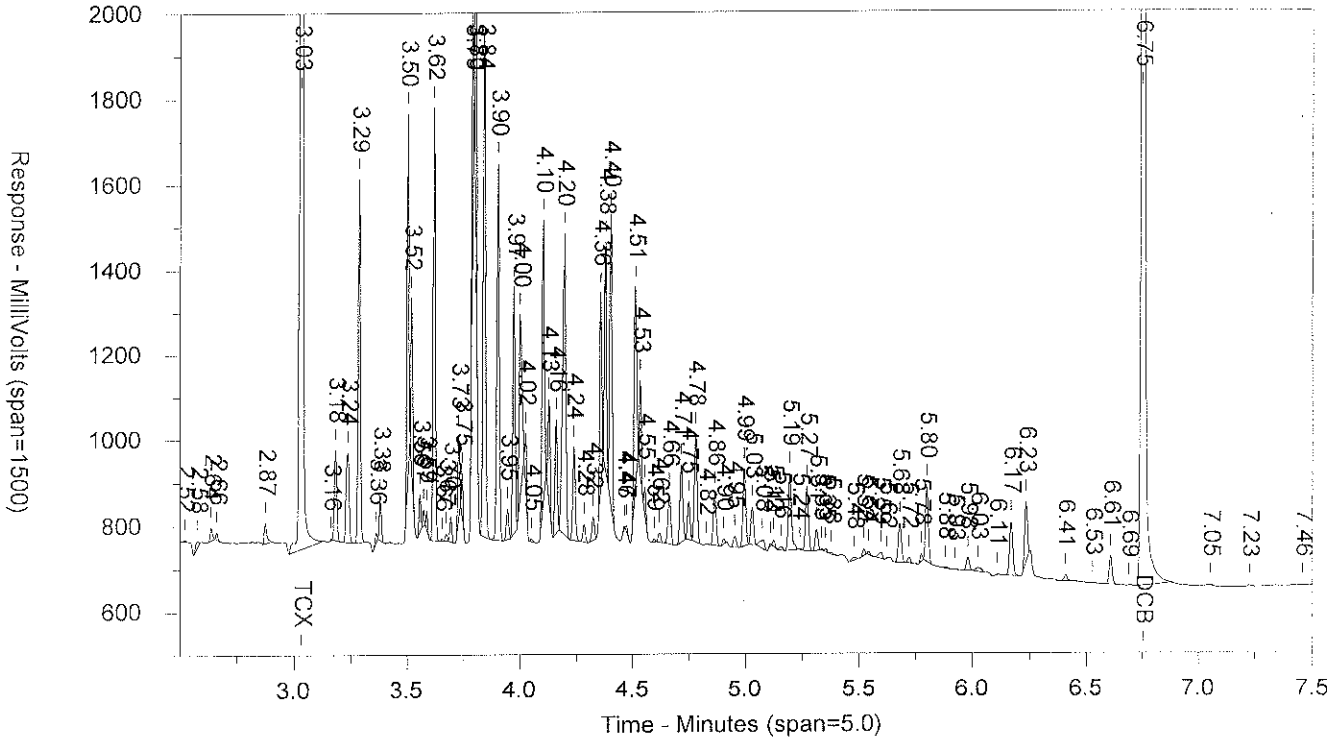

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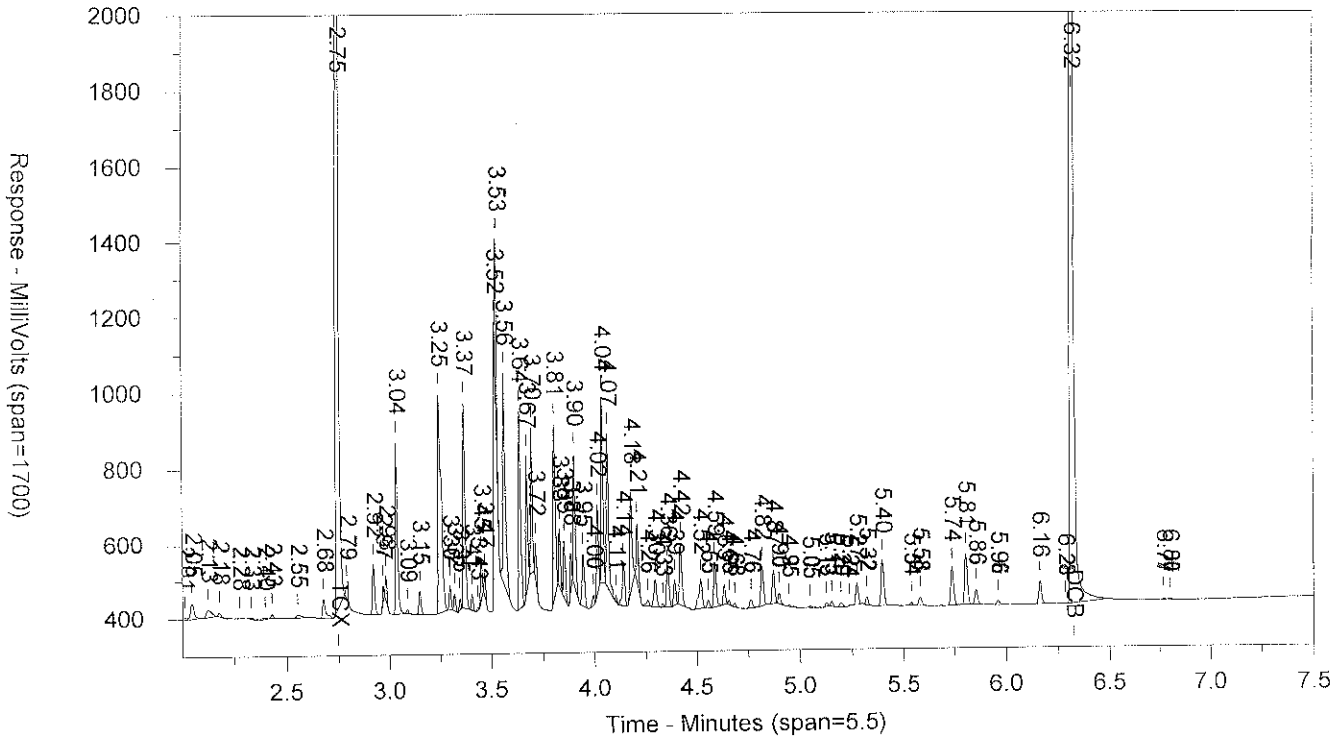

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 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: 07pcbs17292002.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		2707	1788
1.544		2704	2421
1.667		40232	115903
1.728		15944	21082
1.809		2499	1114
1.955		2947	3536
2.041		1979	992
2.124		34613	68220
2.184		97686	248417
2.243		36501	75491
2.317		106367	77650
2.411		61213	41261
2.428		44292	30744
2.469		2761	2091
2.521		6835	5984
2.575		13585	12963
2.639		14523	10812
2.665		35349	22973
2.874		55640	44258
3.03	TCX	25114460	16127700
3.13		3919	2153
3.162		6217	2559
3.182		401411	327803
3.236		392758	392798
3.287		1688534	1106192
3.363		41990	23101
3.381		181685	114147
3.421		6609	4026
3.503		1706466	995103
3.52		827598	443312
3.558		174360	98481
3.574		74370	31648
3.587		80443	36376
3.62		1918154	1354403
3.655		8528	4646
3.675		29442	18040
3.694		126921	78979
3.731		382848	222927
3.746		194977	97284
3.792		1009486	558239
3.805		1934716	953963
3.843		2379114	1761330
3.904		1747568	1312052
3.946		145107	99461
3.973		1143740	821973
4.001		873085	739278
4.024		242581	125816
4.052		8235	4816
4.102		1348358	944745
4.127		462067	297924
4.159		511956	373675
4.195		1405022	1380478
4.236		418023	335152

RT A	Compound A	Height A	Area A
4.283		78237	61032
4.324		104876	80488
4.358		898952	612507
4.379		1130776	727653
4.402		1410523	1022735
4.463		12609	11962
4.472		25053	14031
4.511		948852	766381
4.533		450458	260249
4.552		124393	68326
4.594		11642	7491
4.617		42705	32678
4.66		229928	207370
4.713		344850	294155
4.745		176046	129439
4.776		482520	418393
4.823		6792	4867
4.861		230680	206459
4.902		35541	45954
4.951		53402	47923
4.994		337834	307688
5.029		171483	149527
5.076		34415	40500
5.106		19857	14353
5.121		21594	14167
5.157		14198	11551
5.194		328883	336721
5.239		7955	4108
5.27		284864	265252
5.312		88844	78546
5.334		7108	3026
5.352		11724	6838
5.375		5517	3660
5.419		7893	13325
5.47		4305	3533
5.519		29649	23758
5.539		9581	6178
5.594		13869	16470
5.623		3574	3228
5.633		6994	5081
5.676		177650	165934
5.717		21229	18755
5.743		3912	2023
5.773		11363	6551
5.799		325855	305490
5.98		28372	27892
6.026		11238	17768
6.101		1113	277
6.169		235417	233384
6.233		258199	227992
6.251		22559	11750
6.323		2355	2896
6.353		1903	2005
6.407		10104	10961
6.53		2929	2438
6.573		1848	1106
6.606		120586	120600
6.751	DCB	8929021	9208224
7.016		1724	507
7.227		7292	8331
7.423		1467	565
7.604		807	267
7.634		1278	431
7.664		904	633
7.679		1001	414
7.751		1228	564

RT A	Compound A	Height A	Area A
7.81		1797	580
8.007		1312	332
8.045		1296	483
8.121		1700	440
8.234		1513	451
8.249		1504	460
8.297		1710	793
8.39		1016	545
8.572		1367	946
8.662		1829	489

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 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, 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: 07pcbs17292002B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.632		2606	12289
1.81		1281	2037
1.915		17179	70056
2.011		2249	5219
2.05		62553	71595
2.129		32647	61670
2.18		21179	17372
2.277		3379	4337
2.398		3424	5520
2.43		22059	17775
2.555		4310	7725
2.677		58588	49341
2.75	TCX	12229220	8447603
2.792		70855	49751
2.923		262507	207022
2.971		75766	38740
2.984		120491	66281
3.037		880778	650814
3.088		23416	14926
3.15		121133	90949
3.246		1113858	1232681
3.298		122689	79109
3.321		99180	65320
3.346		60058	33728
3.37		1037886	793120
3.406		83169	53106
3.434		18424	8657
3.453		231601	128024
3.468		119139	61398
3.519		408378	212155
3.529		942345	458181
3.564		1108501	911252
3.639		1061190	738351
3.672		671383	448236
3.697		738309	457250
3.715		206959	111793
3.806		873189	661438
3.831		299283	181148
3.852		311496	206453
3.884		194207	109123
3.902		682102	480112
3.946		278339	234658
3.994		50455	37434
4.017		469386	319789
4.04		981145	688622
4.066		819225	619050
4.106		33053	18562
4.143		222447	200469
4.181		526375	436265
4.211		340745	231159
4.259		28130	22350
4.296		144872	130092
4.331		18936	11346
4.356		228205	191344

4.39		135621	101019
4.419		338503	274833
4.458		6500	4870
4.518		148653	184327
4.553		37795	29488
4.587		222617	194629
4.633		102982	78386
4.656		21942	12877
4.685		17673	13946
4.762		47695	48585
4.817		216986	202735
4.871		174626	144349
4.898		56288	47074
4.948		9717	6862
5.049		3468	2816
5.092		3167	1991
5.128		13293	10283
5.151		25017	21575
5.196		18614	21302
5.238		4702	2887
5.274		110437	96275
5.298		7181	3829
5.319		14511	13169
5.397		247743	245141
5.513		2018	1615
5.536		7296	6414
5.582		22437	27481
5.739		202210	189578
5.806		282909	258759
5.856		76717	73248
5.959		7804	7461
6.16		111204	103696
6.32	DCB	8325268	8204169
6.767		5396	5272
6.801		3239	2713
7.209		1000	1710
8.406		1926	3291

AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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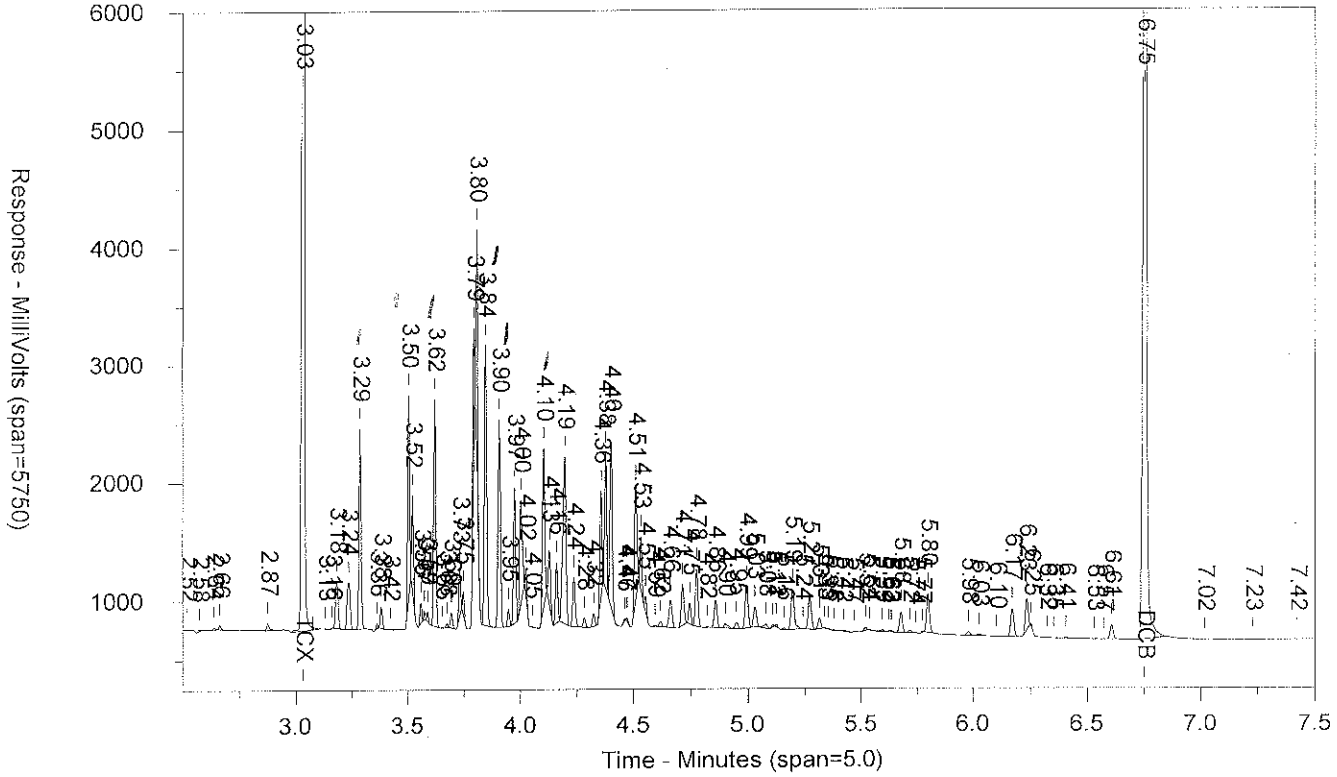

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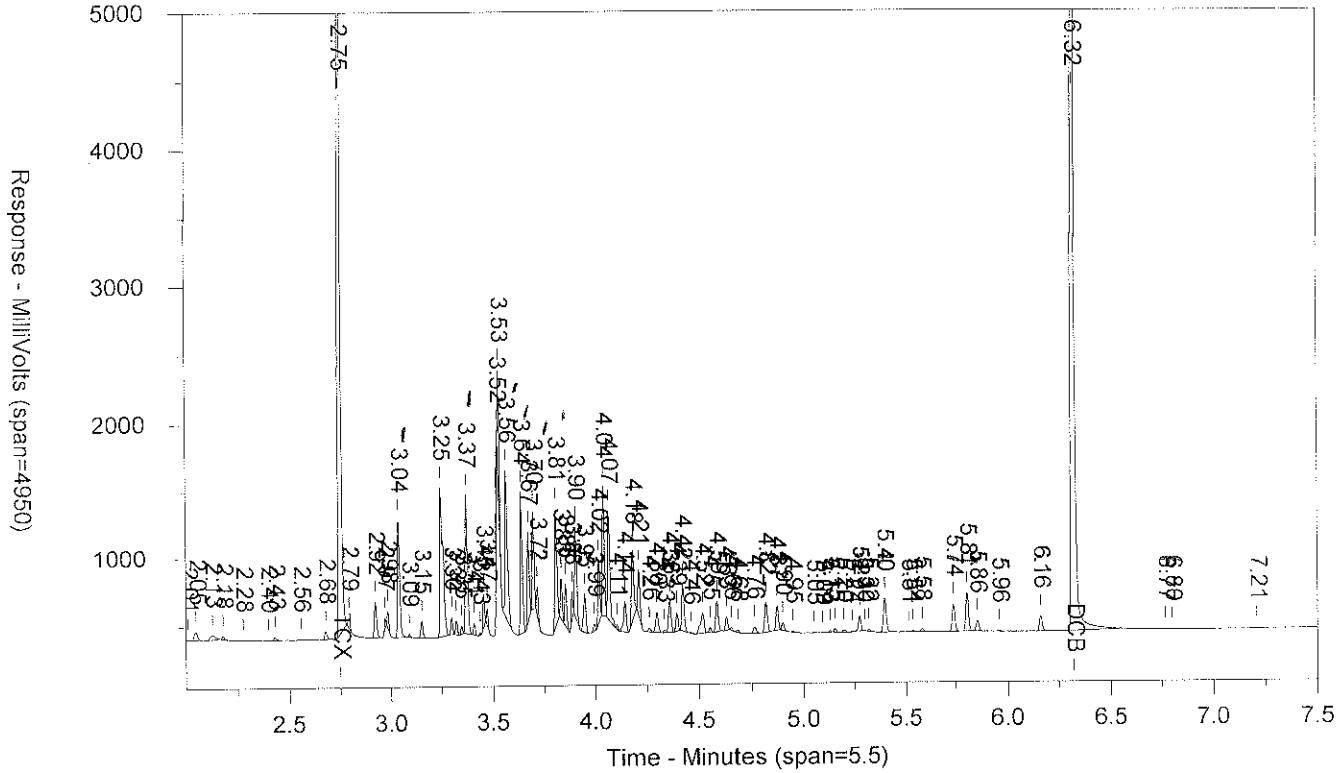

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	25114460	39.553	TCX	2.75	12229220	40.288	TCX
6.751	8929021	34.985	DCB	6.32	8325268	36.081	DCB

Files:
Area File: 07pcbs17292002.0010.RAW
Area File: 07pcbs17292002B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:06:41 PM
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AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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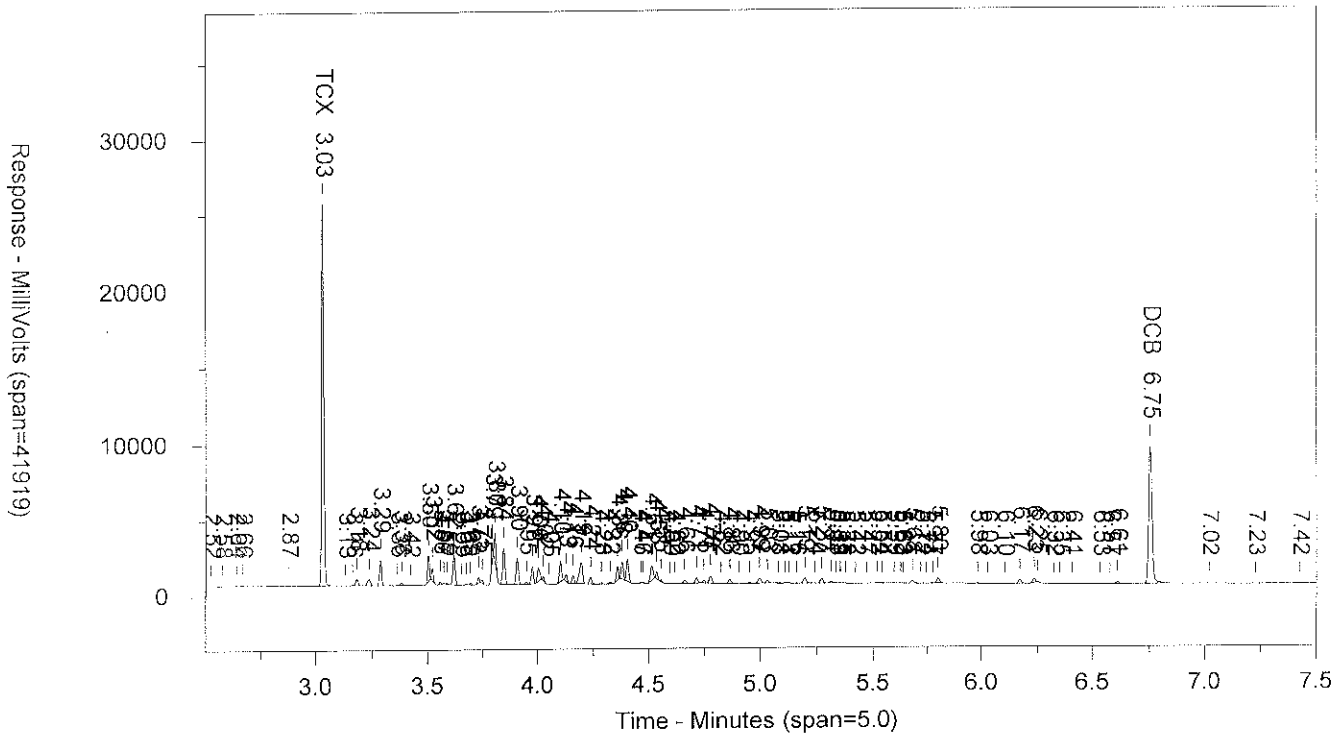

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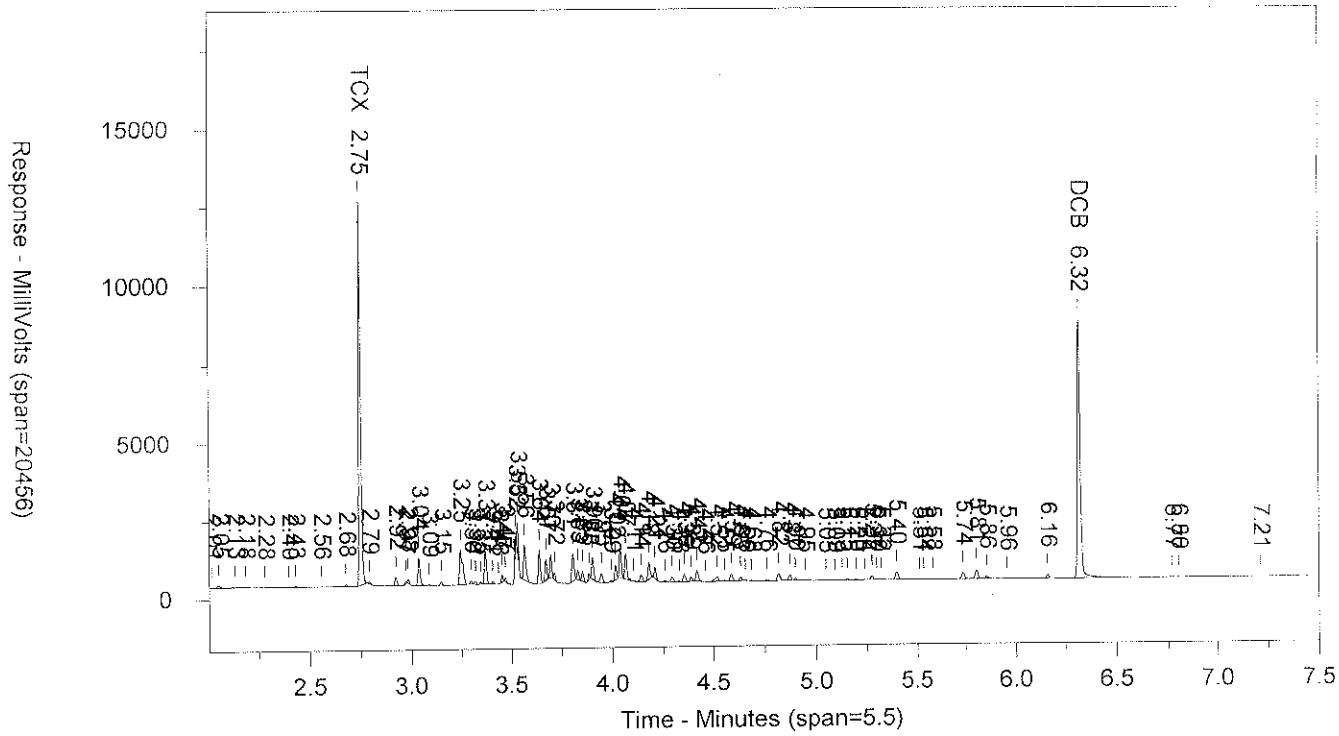

AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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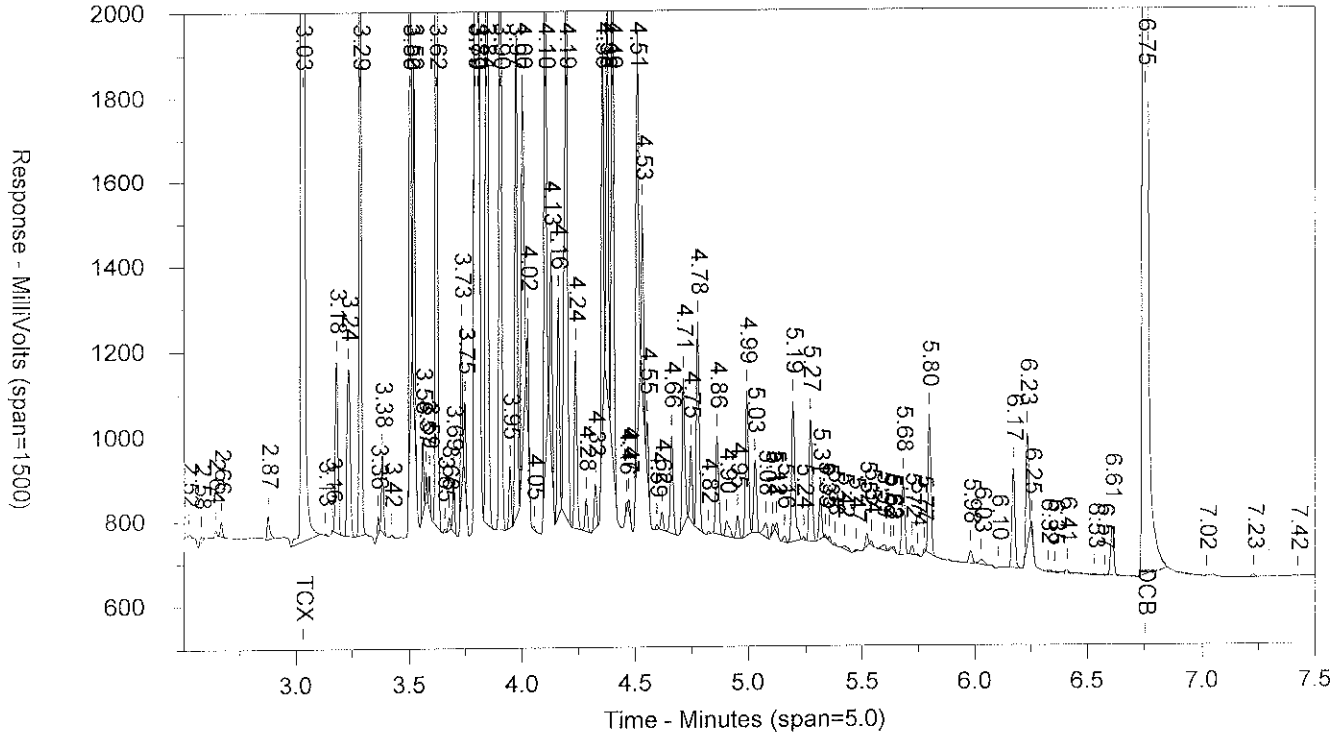

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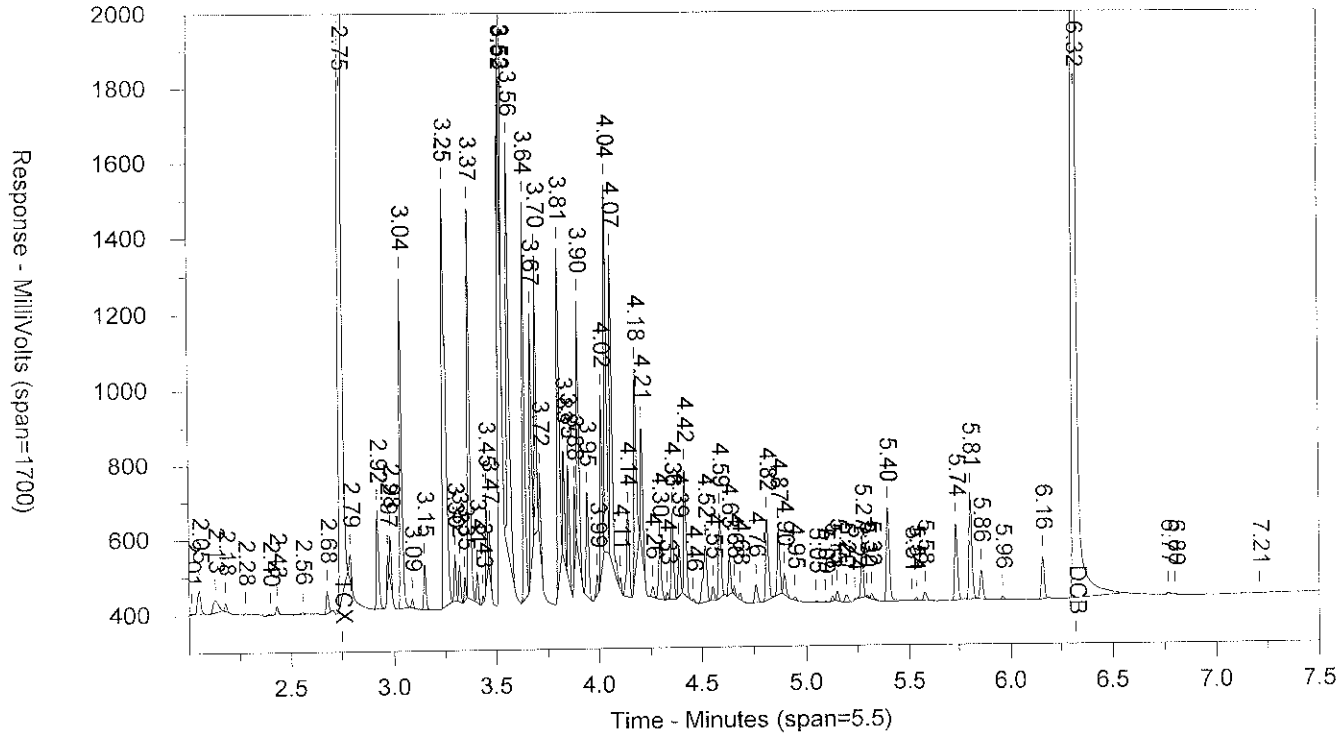

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 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: 07pcbs17292002.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.546		2325	650
1.667		35370	111940
1.729		8608	7305
1.953		2440	2749
2.138		24789	78835
2.183		43734	93488
2.235		7794	7530
2.317		151480	103959
2.411		41062	25341
2.428		61314	43565
2.466		2413	1715
2.521		8141	6764
2.58		8658	12945
2.639		13495	9016
2.664		84877	58078
2.874		35800	23965
2.945		17765	25059
3.03	TCX	36254860	23610660
3.131		5285	2733
3.162		18209	8227
3.181		1045201	843957
3.238		922019	805599
3.287		4311892	2923887
3.363		52246	27863
3.381		465276	302181
3.421		15706	10429
3.503		4324943	2507817
3.52		2290021	1166651
3.558		441908	254273
3.574		190413	83606
3.588		222674	109599
3.62		5177437	3612238
3.655		21147	10322
3.674		48394	30576
3.695		353237	228362
3.731		988482	570541
3.746		502820	262343
3.793		2707731	1434344
3.805		4994610	2505099
3.843		6371296	4723951
3.904		4734026	3534414
3.946		352639	252204
3.974		2985011	2151359
4.002		2305517	1950673
4.024		587158	315796
4.05		13081	7537
4.103		3546210	2520280
4.128		1280379	822347
4.159		1415945	992936
4.195		3744419	3727589
4.236		1081745	876893
4.283		206255	161994
4.324		273176	211579

RT A	Compound A	Height A	Area A
4.359		2355731	1640400
4.38		3200212	2014159
4.403		3853546	2817913
4.472		194428	266572
4.512		2578689	2058802
4.534		1227850	721729
4.553		328558	180846
4.595		31168	19304
4.618		109865	79599
4.661		558096	506941
4.714		851492	722964
4.746		446849	333873
4.777		1290545	1100642
4.825		11372	6915
4.863		587026	534951
4.903		82698	109232
4.953		132966	119134
4.995		872356	794980
5.029		246355	209821
5.076		82680	90058
5.107		56988	39154
5.123		44772	28643
5.158		17941	14636
5.195		892131	825671
5.239		19460	12515
5.27		417745	389904
5.313		222765	191832
5.335		15950	7422
5.352		19994	12977
5.376		7786	5464
5.421		9135	13354
5.473		3220	2781
5.489		1812	844
5.521		78101	62833
5.54		16326	9652
5.596		17521	17850
5.621		6643	3948
5.634		11524	7688
5.677		250133	238037
5.718		58935	48462
5.742		9548	6588
5.775		23545	14519
5.799		467174	428255
5.981		49359	49093
6.028		16659	25117
6.103		1635	559
6.169		338001	325056
6.233		370676	323194
6.406		13229	12465
6.531		2130	1553
6.573		2683	2585
6.607		170742	173878
6.699		2264	1395
6.752	DCB	13753800	13594890
7.023		1258	342
7.228		9821	10886
7.335		1180	911
7.402		992	883
7.44		2016	892
7.522		1257	460
7.566		1411	354
8.025		2313	503
8.471		1726	1520
8.553		1525	643
8.617		1421	407

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 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, 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: 07pcbs17292002B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.666		4707	25410
1.743		2319	2827
1.907		3144	6943
2.018		4319	10417
2.051		82917	89041
2.128		15177	27071
2.179		32386	26861
2.274		4113	5118
2.398		2494	4668
2.429		53435	44040
2.552		4265	8768
2.677		39874	32377
2.705		9680	6981
2.75	TCX	18335560	12501640
2.792		184050	141183
2.922		661599	515240
2.97		80336	37326
2.983		347295	206198
3.036		2214320	1610200
3.088		32210	19711
3.149		295376	220668
3.246		2677747	3039366
3.298		299332	196502
3.32		195467	119703
3.346		157387	90629
3.37		2622311	1984383
3.406		210531	136454
3.434		21149	10106
3.452		581057	323794
3.468		303017	159540
3.519		865265	499960
3.529		2708492	1321988
3.563		2840304	2219040
3.639		2799276	1927537
3.672		1709934	1116701
3.697		1914738	1153575
3.715		518951	265921
3.806		2230820	1688269
3.83		761572	452359
3.852		779001	521237
3.884		477216	271829
3.902		1797467	1237573
3.945		699510	583948
3.994		117934	90596
4.017		1220765	827918
4.04		2569613	1795725
4.067		2239041	1625630
4.105		73862	41641
4.143		557840	495092
4.181		1377032	1131180
4.211		951222	640396
4.26		73506	56415
4.296		345168	315068
4.332		24227	14175

4.356		573767	488298
4.391		333652	251652
4.42		828836	686082
4.459		13421	11312
4.518		367829	444201
4.554		89023	73184
4.587		604522	527480
4.633		132725	99933
4.657		56222	34952
4.685		47592	38947
4.763		98462	105380
4.817		561762	523155
4.872		243954	207542
4.899		140954	129471
4.948		20728	15259
5.05		4710	5810
5.093		8618	8153
5.129		18846	13908
5.153		65233	52692
5.197		27459	30737
5.24		6497	4757
5.275		146667	128730
5.3		21721	12809
5.321		26467	22260
5.398		354471	336235
5.517		1969	1497
5.538		12201	9995
5.583		39844	46496
5.74		283081	267230
5.807		378491	366210
5.857		112377	102553
5.962		10826	9560
6.161		160459	147560
6.321	DCB	12342050	12172750
6.768		8659	7454
6.796		2322	2898

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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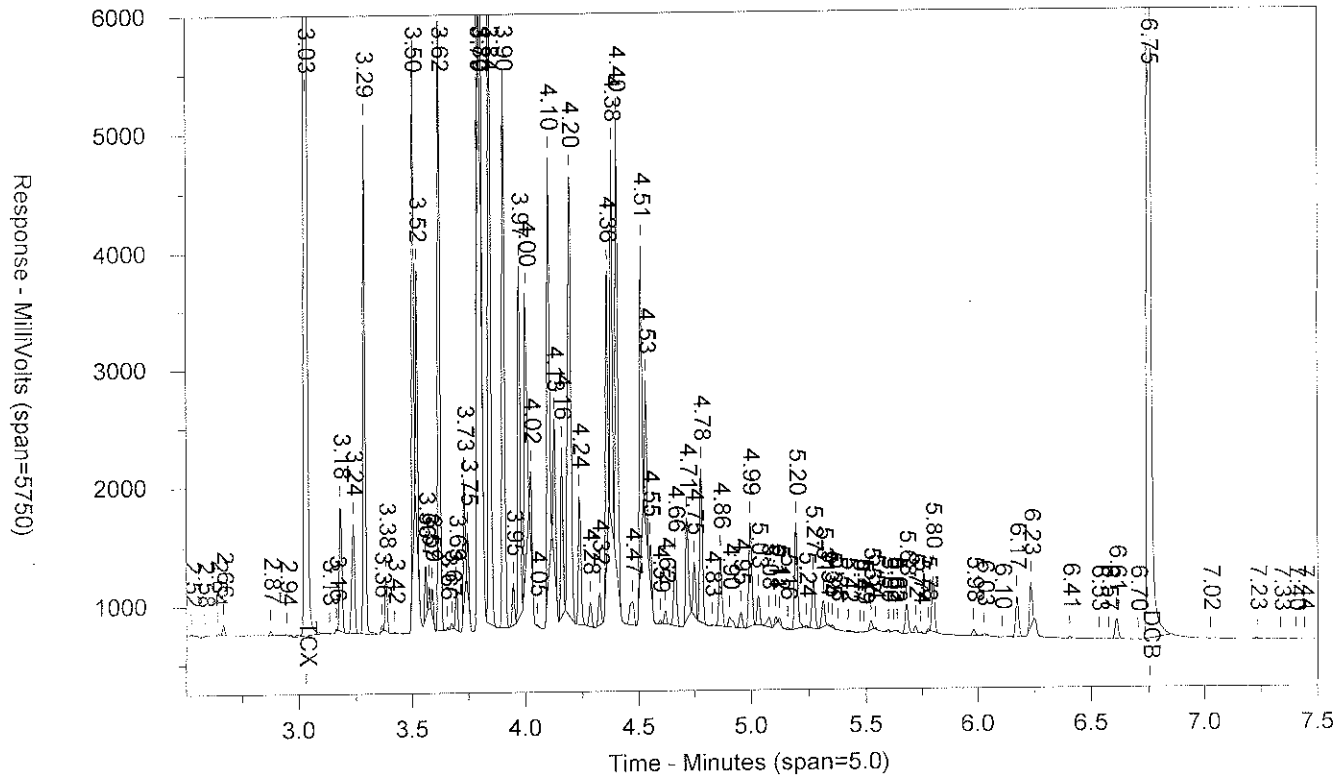

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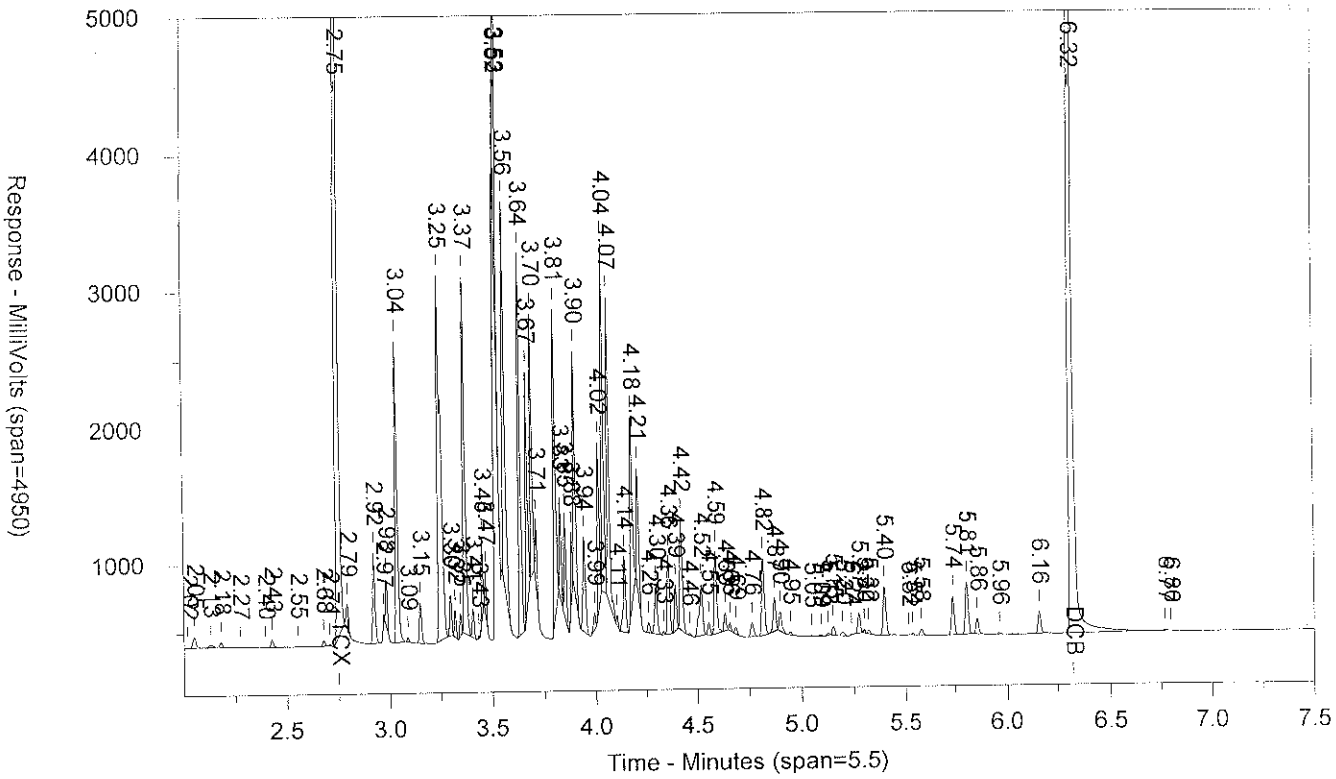

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	36254860	57.098	TCX	2.75	18335560	60.404	TCX
6.752	13753800	53.889	DCB	6.321	12342050	53.49	DCB

Files:
Area File: 07pcbs17292002.0011.RAW
Area File: 07pcbs17292002B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:18:05 PM
File Reported On: 10/22/2017 at 7:18:18 PM

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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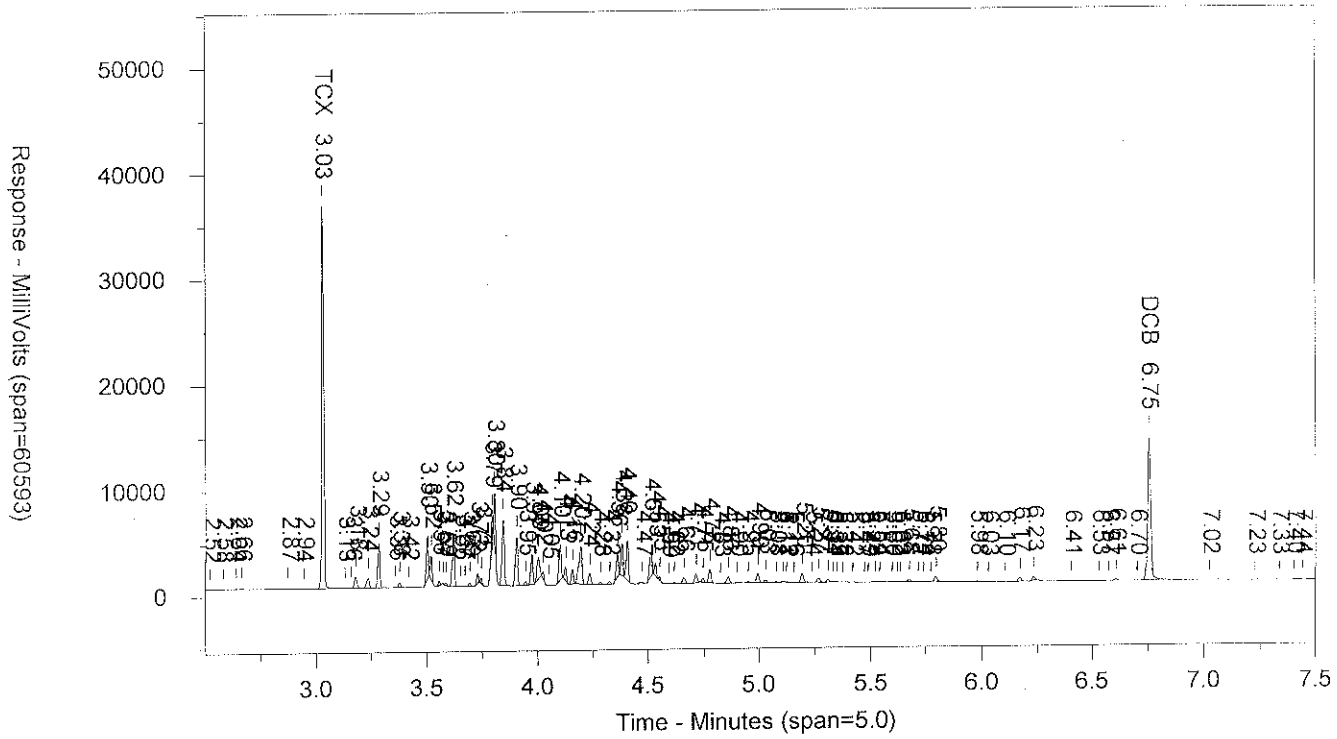

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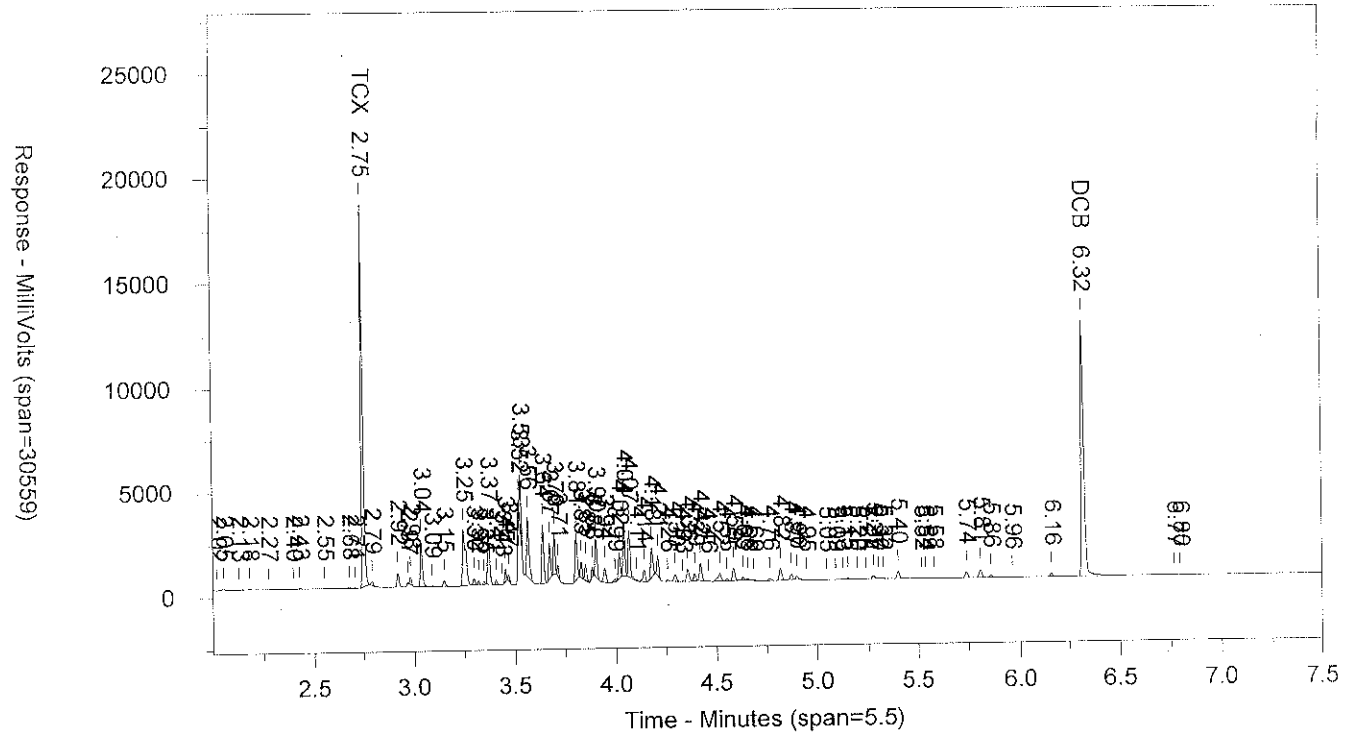

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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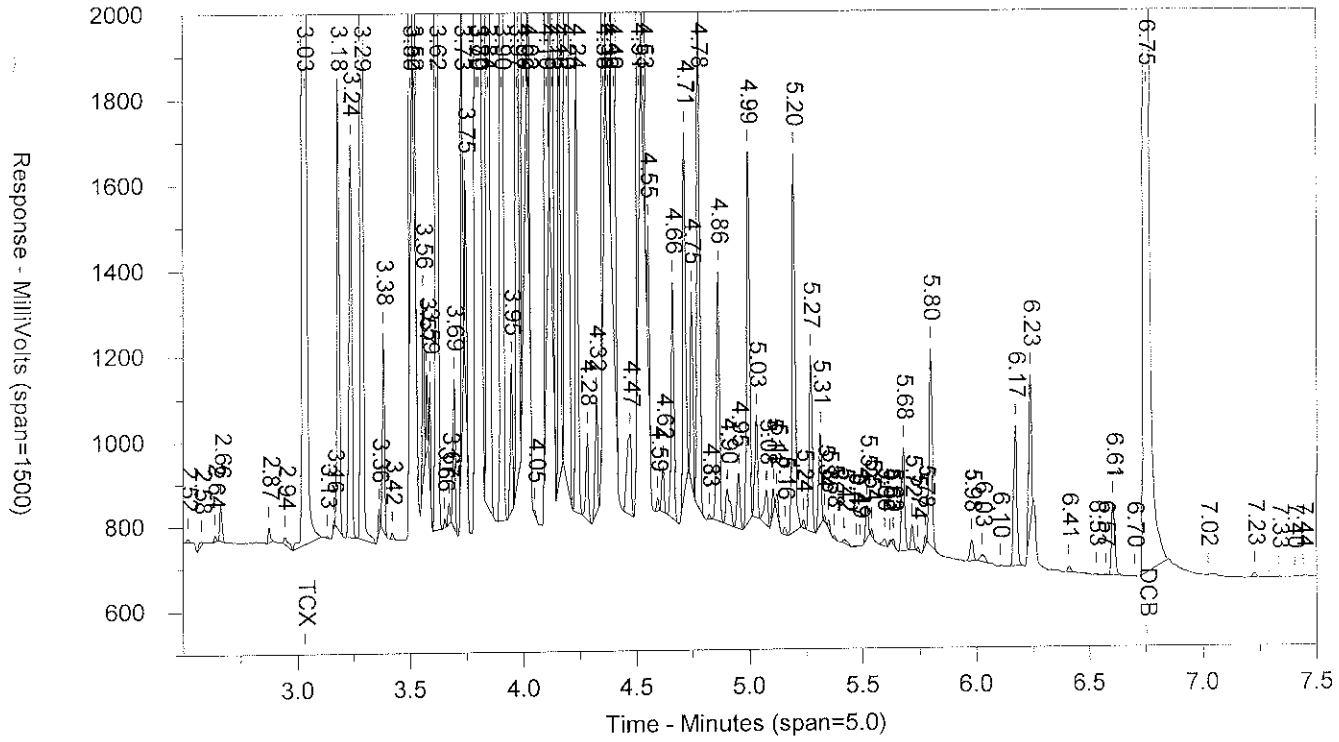

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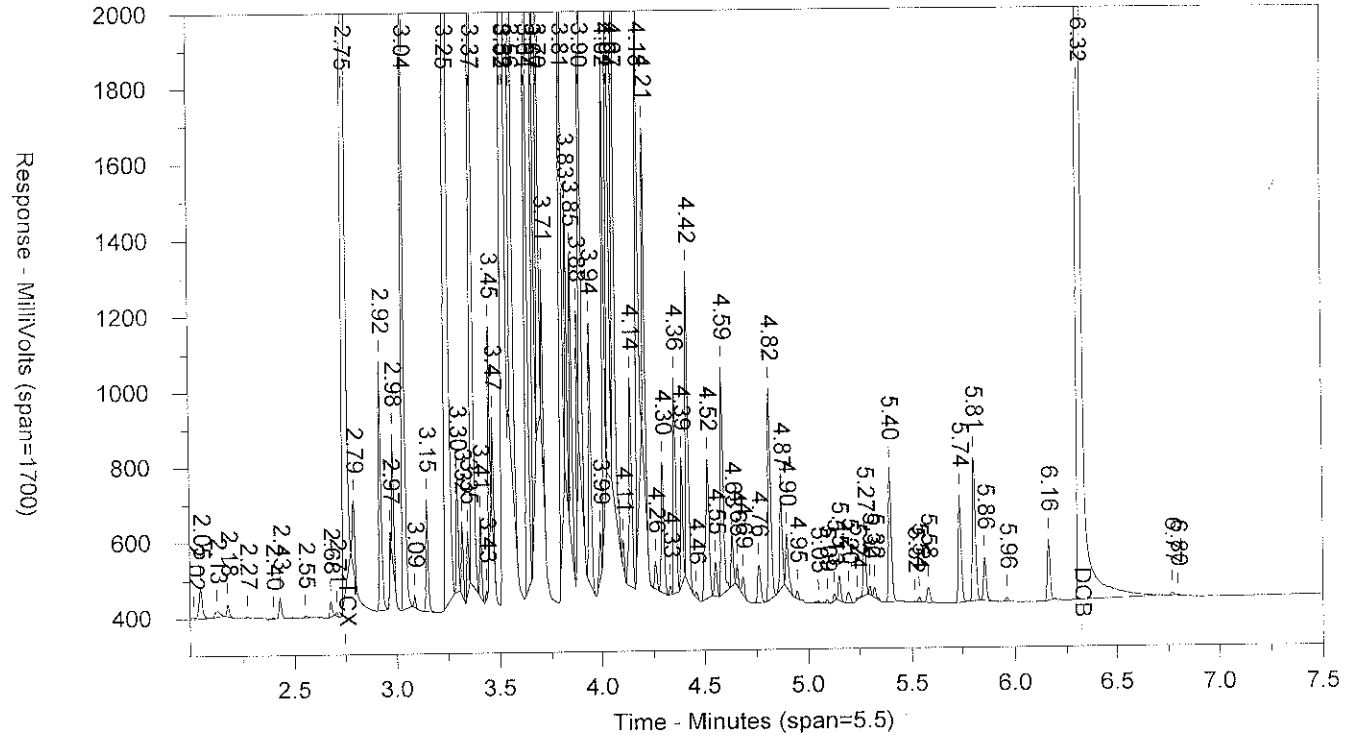

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 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: 07pcbs17292002.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.684		19449	165922
1.807		2881	1337
1.951		2787	1308
2.122		50472	106134
2.183		101998	211834
2.218		34104	32291
2.317		199970	155848
2.411		47634	31009
2.428		84110	62856
2.468		4084	3932
2.522		22180	59801
2.576		18488	20035
2.639		9944	6373
2.664		151374	103601
2.814		2465	1204
2.875		91224	83798
2.944		35607	47534
3.03	TCX	48096330	31709440
3.13		7246	4203
3.162		28548	14450
3.182		1918463	1532629
3.238		1712791	1362476
3.287		7917417	5308905
3.363		66326	36954
3.381		879249	559066
3.422		27706	18158
3.503		7731202	4596689
3.521		3931513	2128186
3.558		844993	475601
3.574		366485	155077
3.588		414870	203827
3.62		9259888	6650589
3.655		34692	18134
3.673		77453	47474
3.695		603376	398410
3.731		1911801	1095233
3.747		977465	498623
3.793		5152009	2676277
3.805		9722890	4966968
3.844		12010790	8853898
3.904		8945813	6679972
3.946		660210	462209
3.974		5621934	4033412
4.002		4193007	3730260
4.024		1127111	574707
4.051		22073	11372
4.102		6514334	4710384
4.128		2399842	1559468
4.159		2667255	1893032
4.195		7349539	7095283
4.236		2093840	1654123
4.283		383738	305196
4.325		501970	392361

RT A	Compound A	Height A	Area A
4.358		4465287	3109099
4.379		5528014	3594805
4.402		7335076	5395654
4.463		66272	51655
4.472		117177	68495
4.512		5068325	3930853
4.533		2503147	1515809
4.552		594756	333227
4.594		58091	38150
4.618		193578	147901
4.661		1061794	941734
4.714		1570635	1360442
4.746		878801	646941
4.777		2385778	2087125
4.824		22593	13544
4.862		1114258	1003636
4.904		85396	61612
4.953		240790	218111
4.994		1647919	1498480
5.028		350804	290581
5.076		158597	173566
5.105		104266	67164
5.123		90989	58807
5.155		24753	20712
5.195		1653573	1560211
5.24		38407	24926
5.27		588994	548176
5.313		402004	346440
5.335		30120	14991
5.353		35989	22021
5.375		7568	5346
5.418		15973	25257
5.477		1824	2817
5.52		142699	113029
5.54		22823	12463
5.596		20490	16193
5.622		9659	6114
5.634		14642	9766
5.677		342613	329672
5.718		96882	83001
5.743		18745	12421
5.775		28576	18164
5.8		692808	607113
5.981		79748	78545
6.026		25621	42489
6.111		1889	2997
6.169		479165	462071
6.233		545071	450863
6.251		41218	24714
6.406		34565	35689
6.533		4293	4049
6.575		2877	2015
6.606		246883	235821
6.751	DCB	18376930	18365370
7.035		1428	1023
7.225		13213	14437
7.445		1782	1195
7.629		1655	1474
7.692		1452	573
7.981		1082	723

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 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, 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: 07pcbs17292002B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.622		4666	17775
1.912		1586	4133
2.05		106580	132389
2.127		43043	81079
2.179		42440	34715
2.27		5333	6129
2.397		4212	8632
2.429		90076	77647
2.556		2303	3050
2.677		99373	84876
2.705		16749	11058
2.749	TCX	24848720	17055990
2.792		323863	264752
2.922		1161934	914970
2.971		78773	42162
2.983		669913	395499
3.037		3999411	2877708
3.088		43247	26106
3.149		514069	391402
3.246		4805139	5478597
3.297		542779	354201
3.32		342487	211222
3.346		281275	163205
3.37		4852234	3618481
3.406		361404	237831
3.434		26129	11764
3.452		1038794	597858
3.468		567975	292562
3.519		1694521	979958
3.529		5001148	2494246
3.549		63994	17483
3.563		5334726	4158761
3.638		5050904	3618477
3.672		3224369	2049138
3.696		3590158	2165892
3.715		948684	507290
3.806		4228312	3144480
3.83		1472162	845205
3.852		1457249	957102
3.883		963148	519714
3.902		3328269	2271996
3.945		1271821	1068782
3.994		228450	166811
4.017		2307656	1558488
4.04		5038278	3421402
4.066		4154316	3103169
4.106		147197	78828
4.143		1019208	890911
4.181		2518360	2050731
4.211		1875206	1280766
4.259		130431	99836
4.296		616373	560754
4.331		30755	17043
4.356		1061941	895740

4.39		600960	457477
4.419		1570942	1264381
4.458		23945	20186
4.518		649954	800702
4.553		162405	130612
4.587		1101755	909763
4.633		176251	126949
4.656		98071	63033
4.684		86486	70079
4.762		171461	175947
4.817		1046990	963200
4.871		318778	275551
4.898		261678	239766
4.947		38534	28967
5.048		6683	9478
5.092		13798	10785
5.128		26638	19281
5.152		114992	98189
5.196		36673	42169
5.24		8680	6493
5.274		205732	170429
5.299		41436	26446
5.321		32945	29194
5.398		500786	480115
5.515		3410	2140
5.537		20926	18272
5.582		67973	76970
5.739		387849	368696
5.807		548109	505475
5.856		157737	144001
5.96		28029	27680
6.112		3075	2980
6.161		217074	208793
6.286		1708	1864
6.32	DCB	15803410	16105640
6.769		11605	10355

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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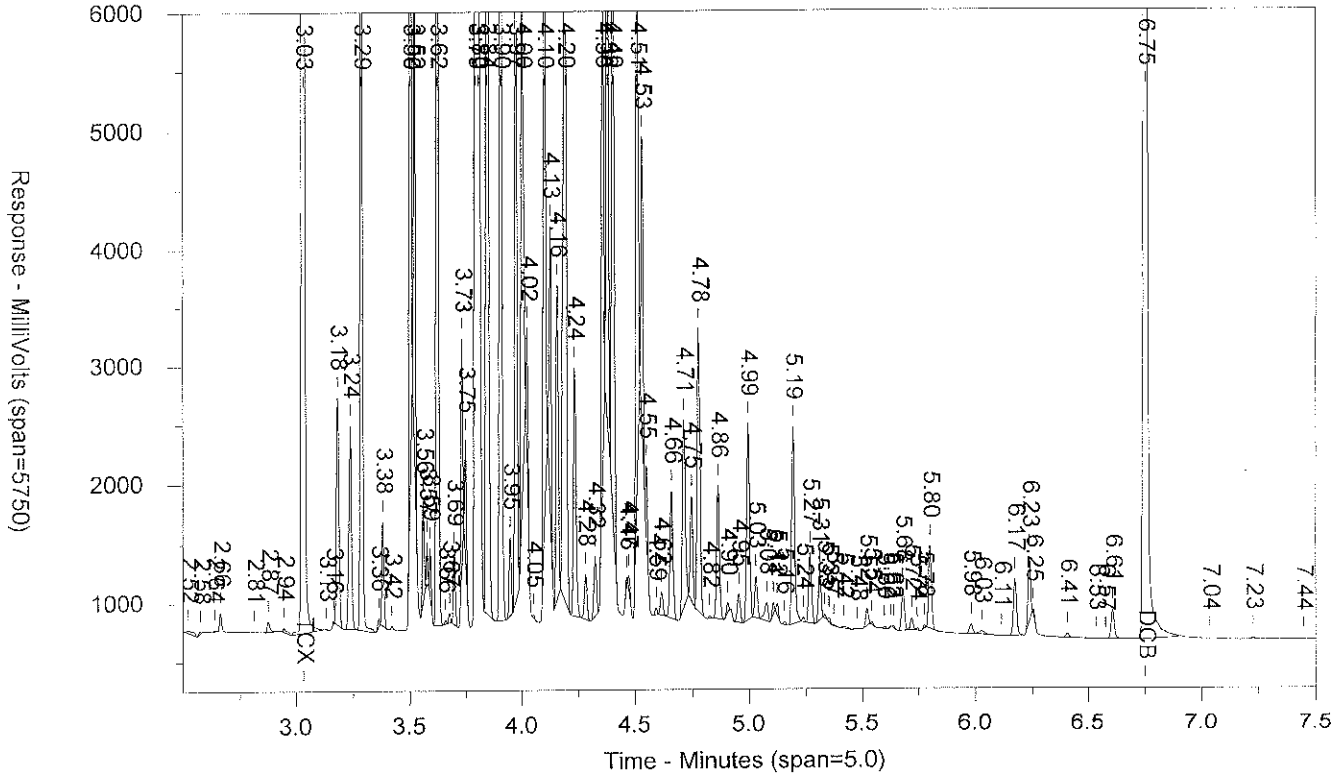

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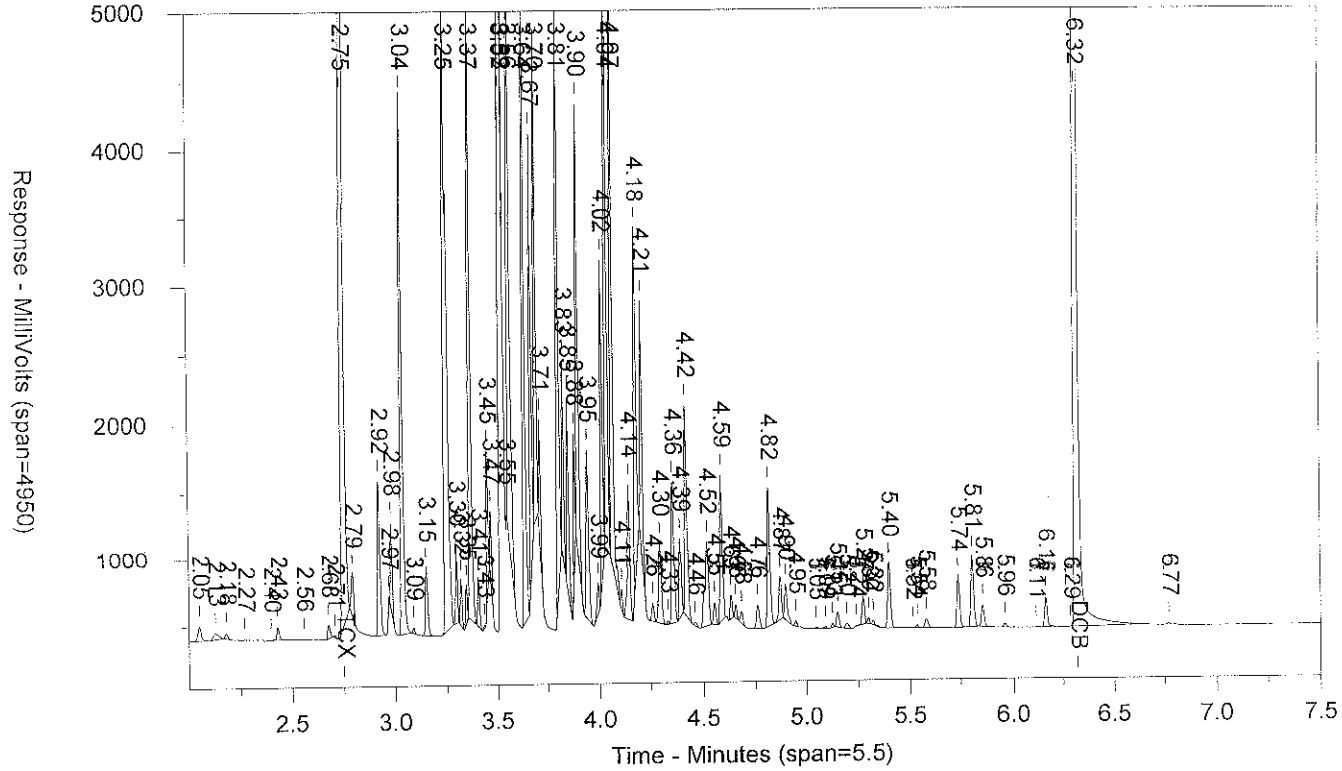

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	48096330	75.748	TCX	2.749	24848720	81.861	TCX
6.751	18376930	72.003	DCB	6.32	15803410	68.491	DCB

Files:
Area File: 07pcbs17292002.0012.RAW
Area File: 07pcbs17292002B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:29:32 PM
File Reported On: 10/22/2017 at 7:29:46 PM

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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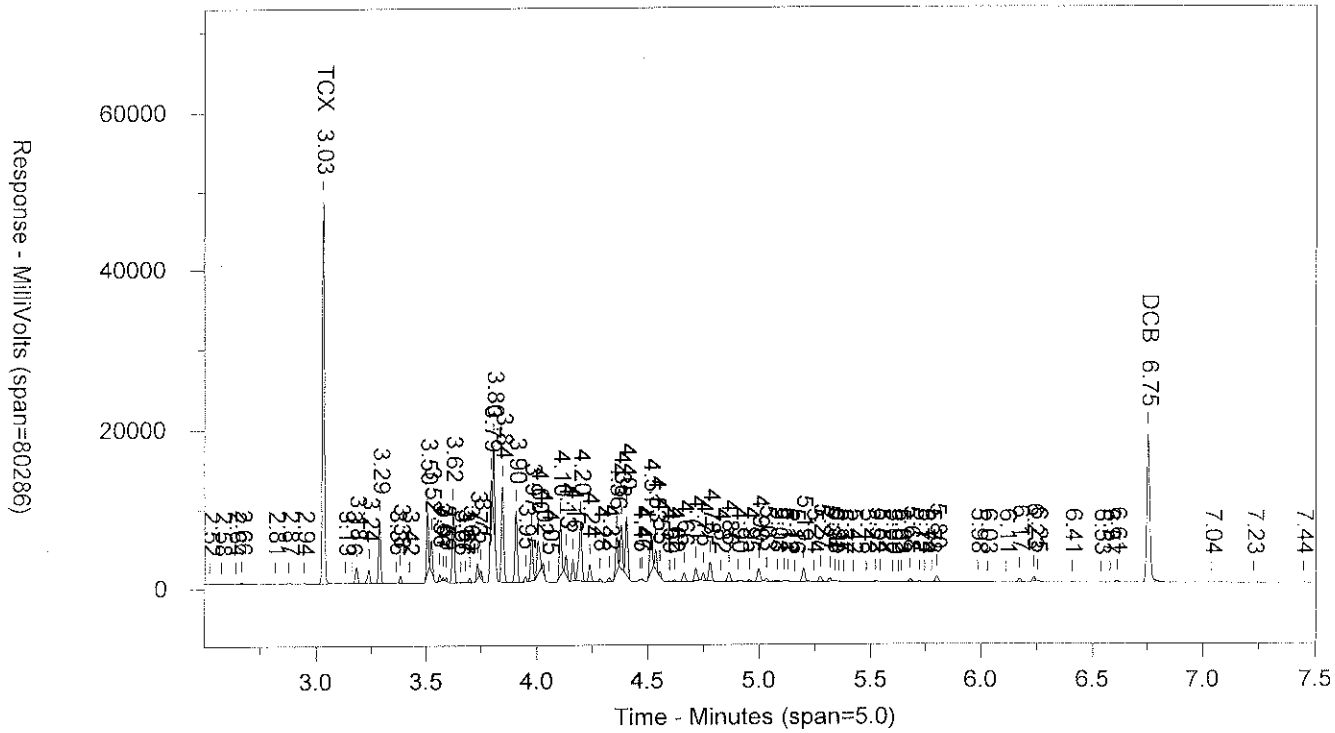

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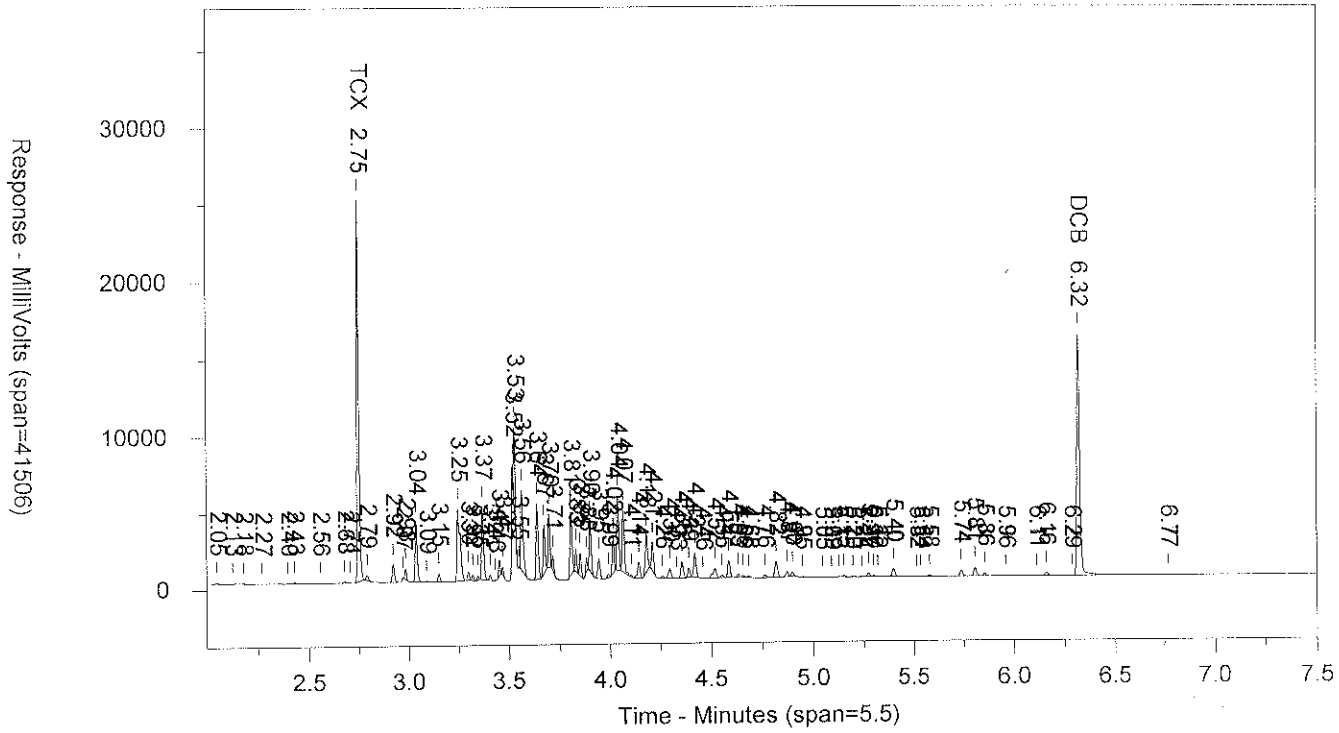

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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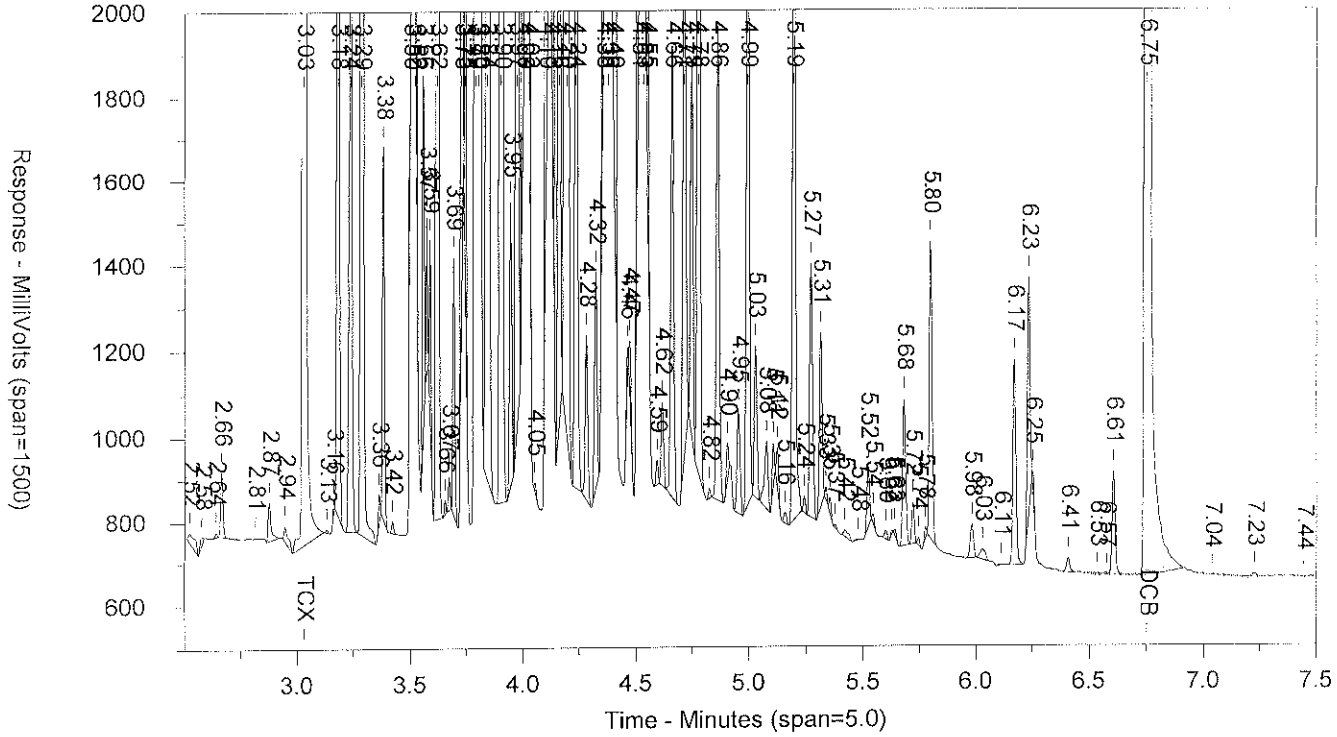

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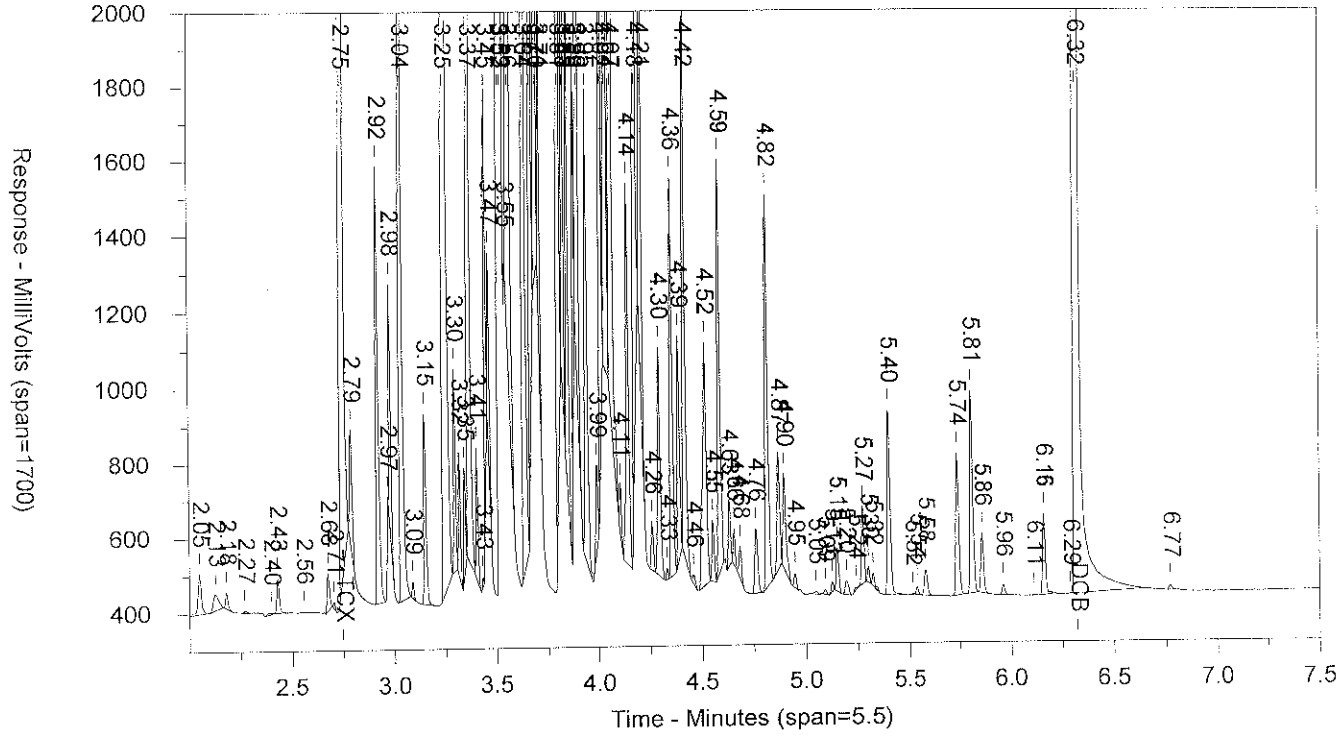

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 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: 07pcbs17292002.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.507		4024	3127
1.548		2175	1109
1.687		1691	87445
2.124		38855	74651
2.184		108230	301577
2.317		123888	147345
2.411		49707	43691
2.428		53515	46851
2.471		10368	15613
2.522		7280	6498
2.587		8089	18922
2.639		5692	3440
2.665		38219	25798
2.814		2822	1880
2.875		75274	60425
3.03	TCX	25470310	16406180
3.131		3937	1696
3.182		442878	368764
3.237		401248	406607
3.287		1765275	1174548
3.363		42814	24786
3.382		193676	121056
3.423		5644	3493
3.504		1736673	1038534
3.521		854528	460778
3.558		191670	105348
3.575		80709	35900
3.588		92537	43832
3.62		2054526	1448293
3.656		8671	4283
3.676		30690	18667
3.695		137551	85070
3.731		399254	233901
3.747		216086	109909
3.793		1084249	568002
3.806		2021368	996052
3.844		2482089	1857761
3.905		1851388	1369956
3.947		145387	102413
3.974		1195155	854319
4.002		930484	782784
4.025		238853	120484
4.052		8916	5900
4.103		1402251	986416
4.128		483651	309417
4.16		535349	389025
4.196		1458305	1443130
4.237		433886	348389
4.284		81834	62607
4.325		104505	82605
4.359		952722	649648
4.38		1156256	740513
4.404		1477268	1060792

RT A	Compound A	Height A	Area A
4.465		10241	10542
4.472		21049	13783
4.513		987338	804400
4.535		497305	284582
4.553		134802	75252
4.594		12295	8025
4.618		44224	34416
4.662		239268	216613
4.714		348292	306435
4.747		179550	134104
4.778		507440	429727
4.825		5635	3533
4.863		238812	217268
4.904		21507	14965
4.953		52313	49747
4.995		348235	316320
5.03		185306	163780
5.076		36497	43413
5.107		17901	11943
5.124		26298	18006
5.155		13266	11418
5.196		338319	339251
5.241		7361	4252
5.271		305330	289172
5.313		91017	77746
5.335		6564	2596
5.354		12146	6710
5.42		7568	15498
5.469		3963	2673
5.52		32304	26005
5.54		9132	5878
5.594		13119	12069
5.622		5712	3997
5.634		6684	4443
5.677		178348	176661
5.718		21542	18218
5.74		3892	3185
5.774		5266	3034
5.799		355700	340427
5.98		21244	19783
6.024		9238	13762
6.105		2457	1952
6.169		234616	236813
6.233		332672	441704
6.405		5687	6732
6.531		2409	2052
6.575		2113	1460
6.606		120161	121461
6.753	DCB	8919701	9203454
7		1314	389
7.043		1334	410
7.227		5841	5567
7.396		938	396
7.506		1296	441
7.598		1126	387
7.631		1215	529
7.816		1203	326
7.885		958	319
7.915		1325	525
8.027		1992	492
8.064		1039	573
8.136		1814	787
8.241		909	504
8.481		1375	608
8.544		1563	765

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 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, 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: 07pcbs17292002B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.63		1790	9990
2.005		5370	11532
2.05		61034	69793
2.128		39239	74053
2.179		21697	17457
2.273		2754	2938
2.398		3027	6058
2.429		23086	19274
2.654		2540	1879
2.677		93292	103090
2.75	TCX	12226540	8559879
2.792		71283	52969
2.922		282772	221559
2.971		69278	36197
2.983		125883	69467
3.037		954029	681446
3.088		23139	14541
3.149		126118	95866
3.246		1150074	1291990
3.298		125813	82466
3.32		87390	54834
3.346		59486	34848
3.37		1090786	829823
3.406		88988	58088
3.434		18066	8902
3.453		237582	133822
3.468		119022	61419
3.52		325676	218563
3.529		1032225	487863
3.564		1162018	966393
3.638		1089903	773669
3.673		704072	464659
3.697		779534	473674
3.715		211489	113398
3.806		907471	693004
3.831		316391	188340
3.853		323564	217242
3.884		211618	117458
3.902		723881	497858
3.946		293104	242996
3.995		51038	39335
4.017		491613	331588
4.041		1033619	714347
4.067		843878	642178
4.106		33777	19178
4.144		232107	207720
4.182		547917	455681
4.212		361888	245189
4.26		29697	23813
4.296		147207	133444
4.332		20201	12207
4.357		238203	197014
4.391		134102	102991
4.42		337269	281700

4.519		155211	189103
4.554		38701	30891
4.588		243123	213686
4.634		114929	88152
4.657		20195	11230
4.685		18786	14168
4.764		47844	50580
4.818		226516	215196
4.872		191091	164051
4.899		55628	48009
4.949		11337	9963
5.053		3211	4316
5.091		2824	2311
5.128		11540	8885
5.154		26018	21495
5.197		19263	20375
5.241		3142	2642
5.275		116192	100747
5.299		5820	3209
5.321		7855	6768
5.398		266227	252997
5.516		1681	1075
5.537		5742	5295
5.583		19903	23000
5.739		201921	193697
5.807		282179	268804
5.856		79906	74181
5.961		4439	4680
6.16		111479	101540
6.249		1383	942
6.321	DCB	8290780	8105205
6.77		5928	5396
6.802		2816	3318
8.632		2954	6377

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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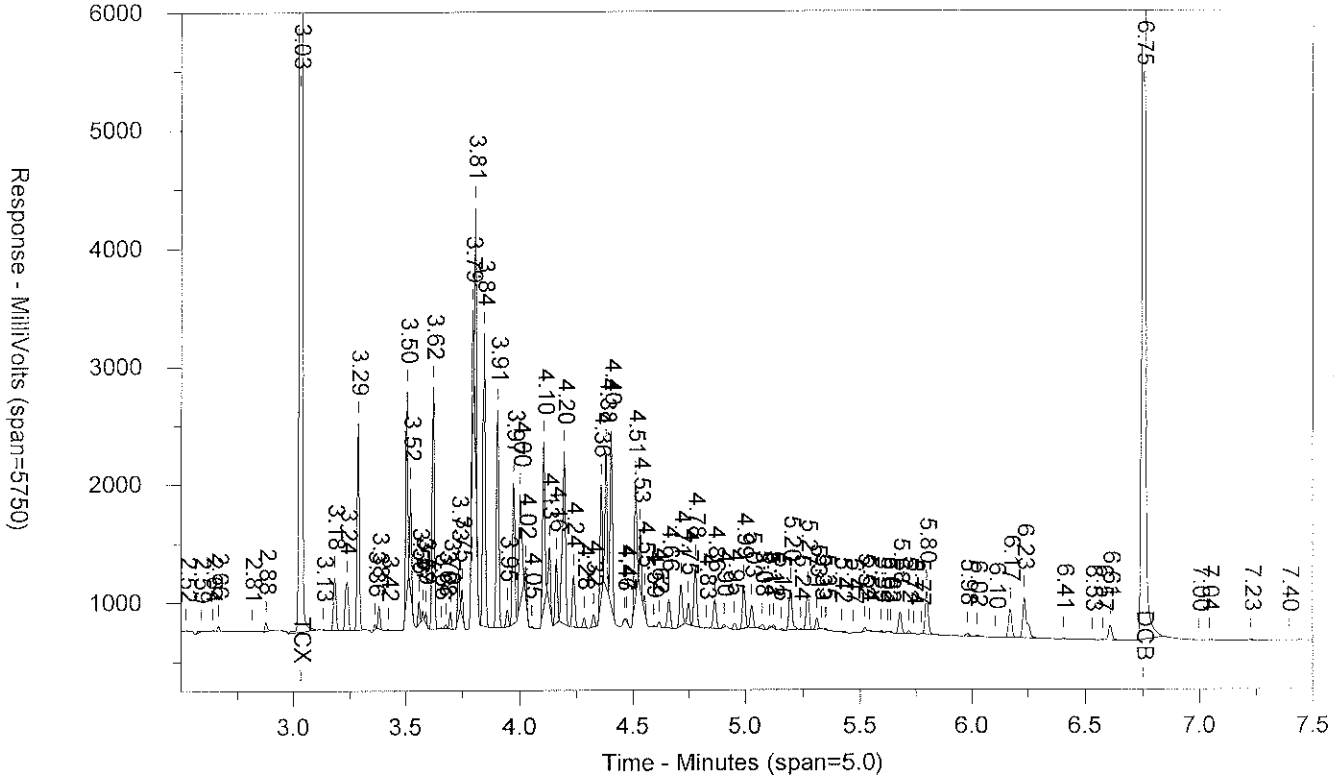

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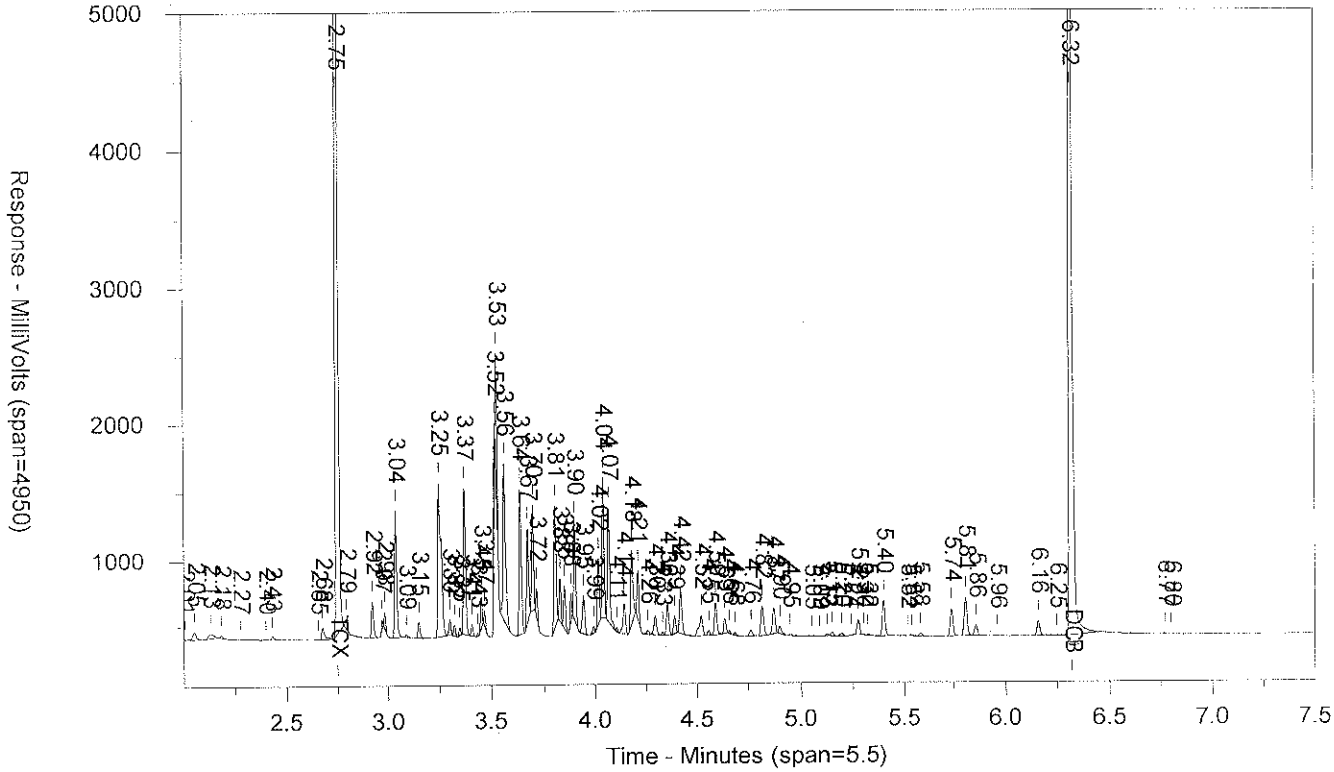

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	25470310	40.114	TCX	2.75	12226540	40.279	TCX
6.753	8919701	34.948	DCB	6.321	8290780	35.932	DCB

Files:
Area File: 07pcbs17292002.0013.RAW
Area File: 07pcbs17292002B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:41:03 PM
File Reported On: 10/22/2017 at 7:41:12 PM

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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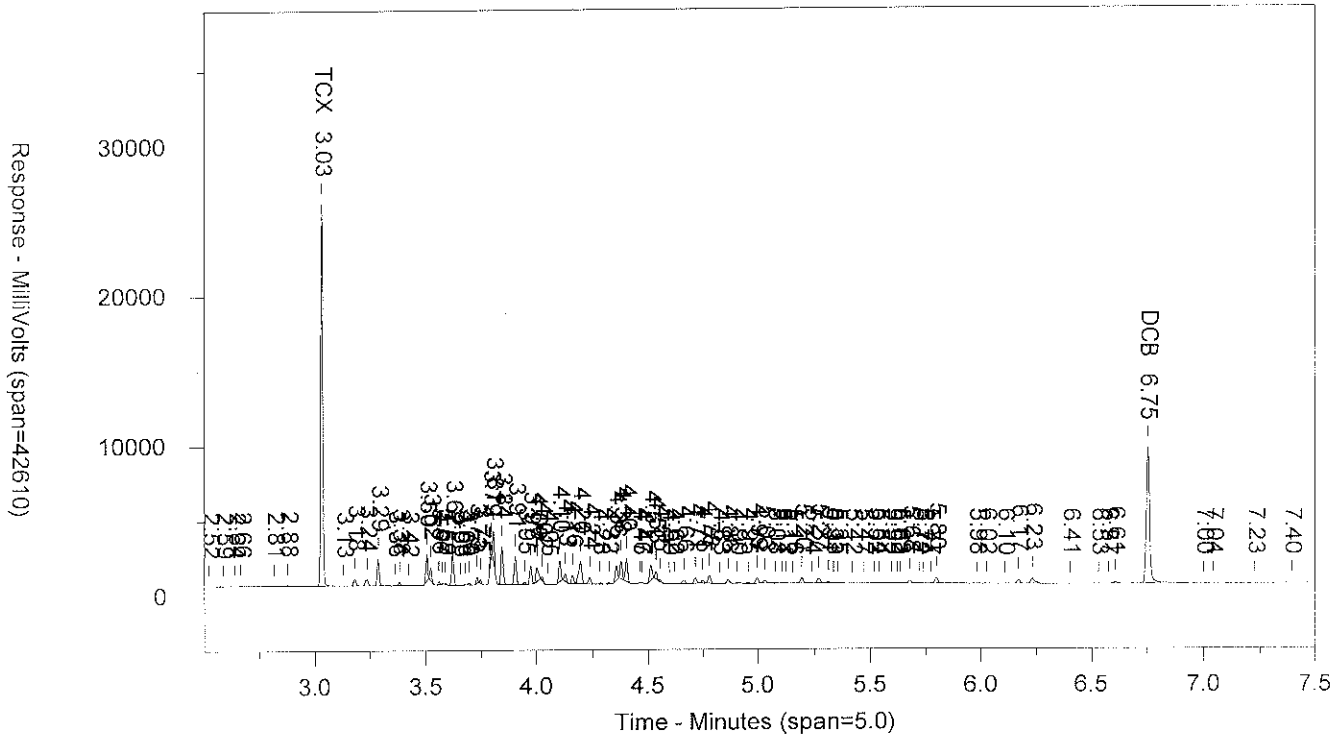

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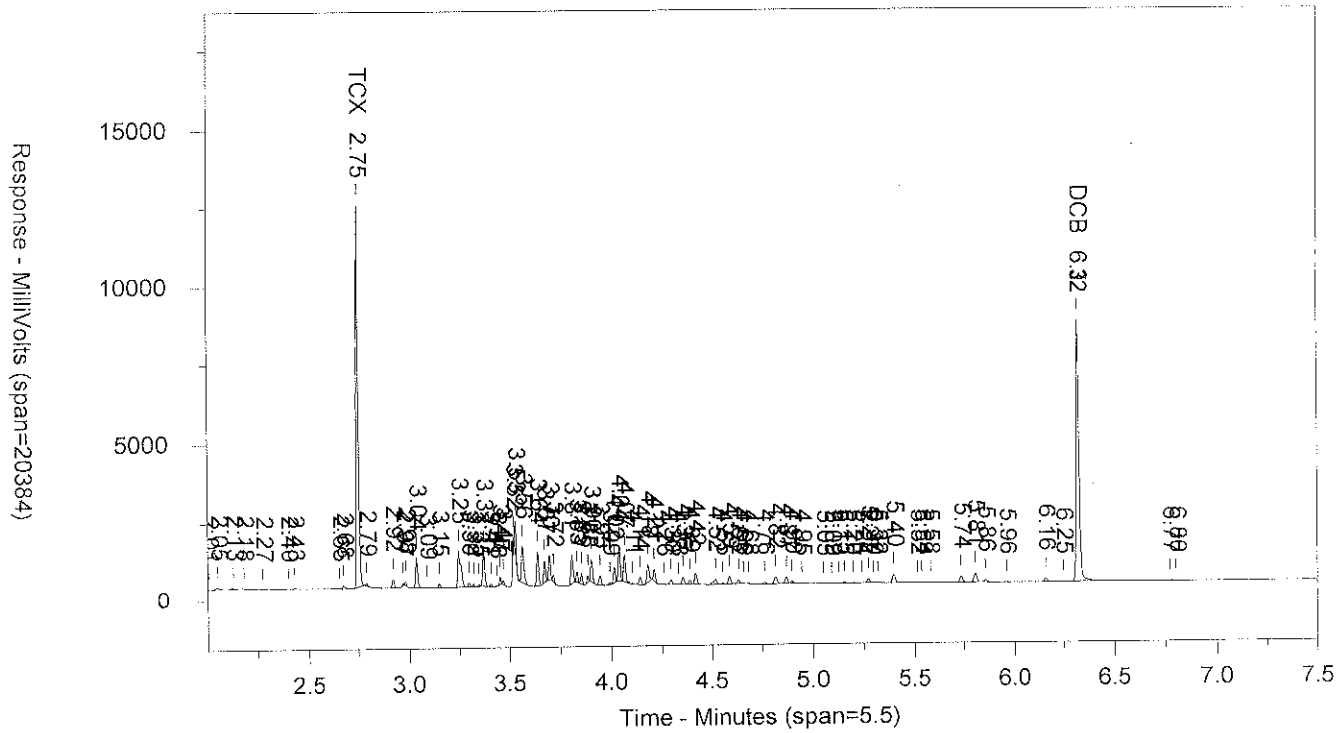

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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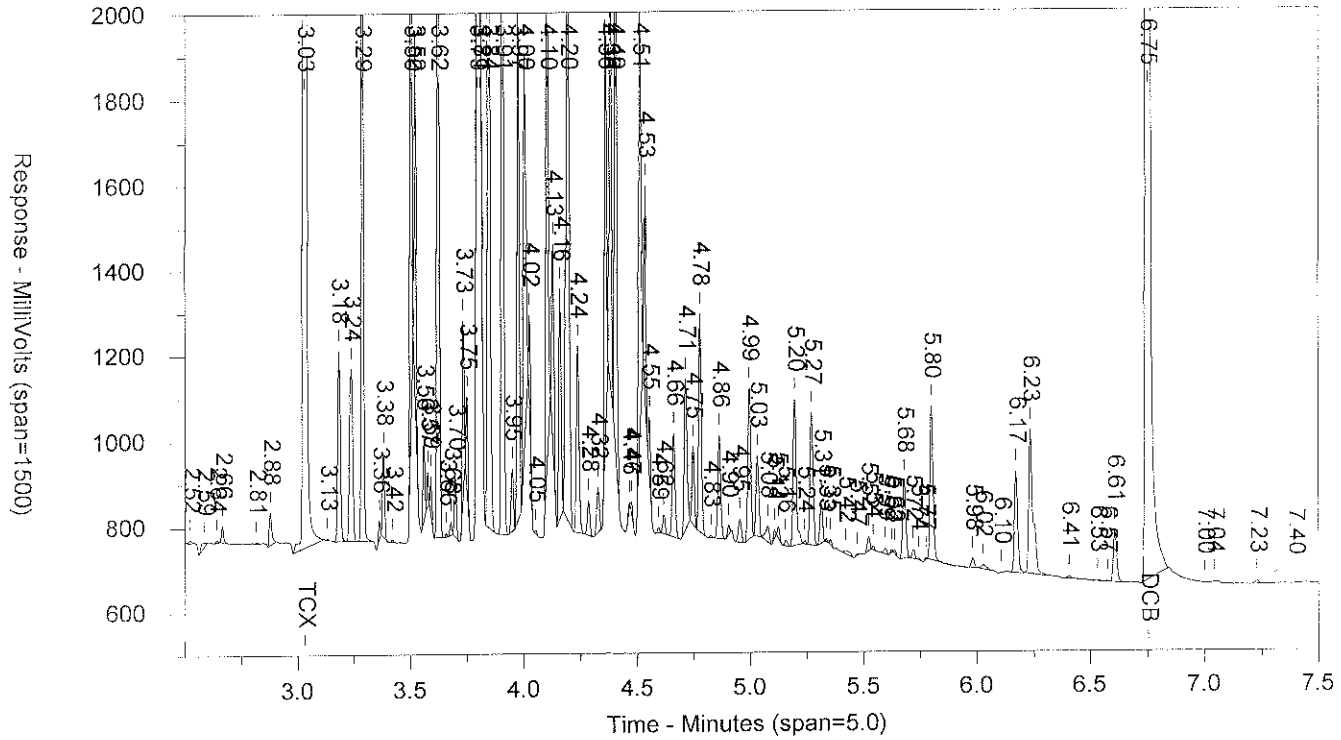

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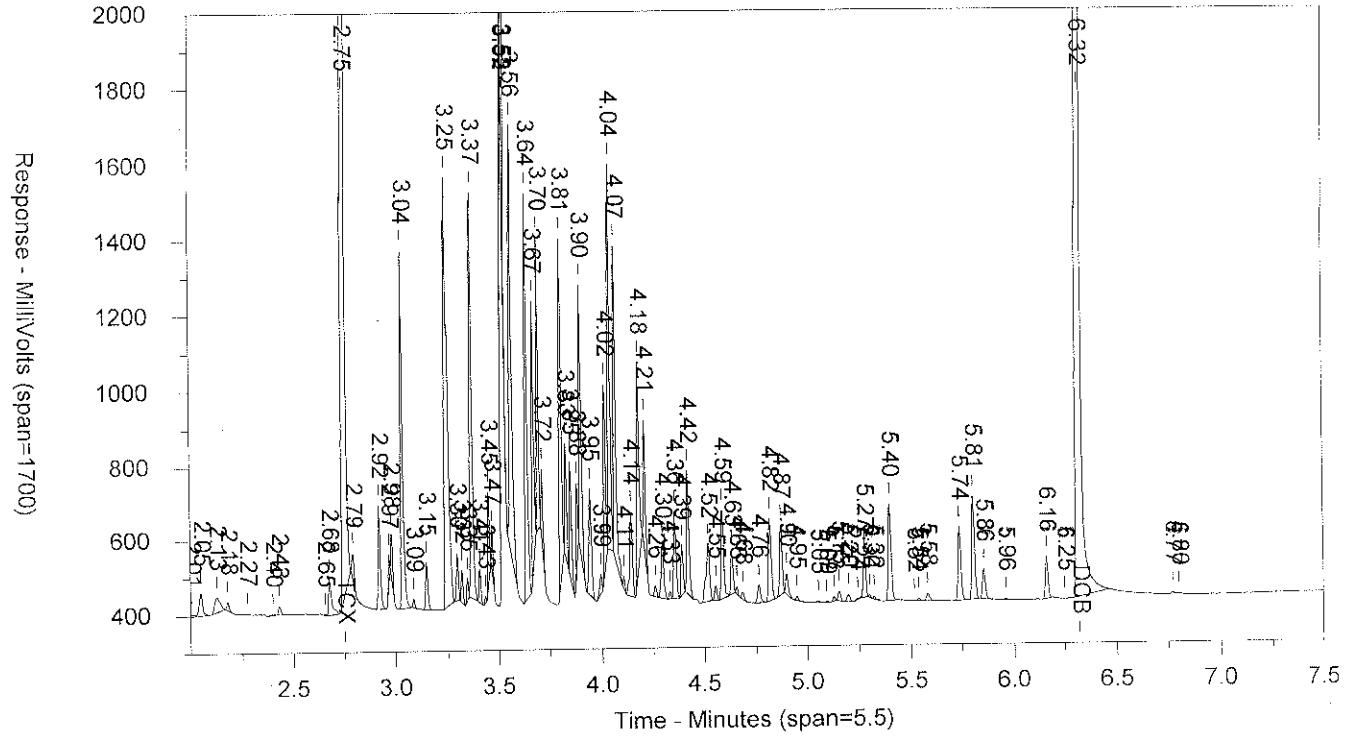

LANCASTER LABORATORIES

Sample Number: AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 1:55:02 AM 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: 25pcbs17309003.037.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.03		1084	1010
2.099		12765	12268
2.165		1171	2266
2.214		7209	12891
2.286		2292	4012
2.327		619	343
2.349		24842	21009
2.438		20068	12816
2.461		9709	7125
2.499		1301	1561
2.556		9771	8352
2.604		474	223
2.676		737	420
2.699		21634	18459
2.785		677	639
2.871		284	233
2.901		19256	17103
2.961		6371	6618
3.06	TCX	5867564	3846891
3.162		1941	1316
3.213		125652	112934
3.269		120644	120280
3.319		487684	350705
3.395		8271	4279
3.414		83076	54983
3.454		2088	1297
3.492		711	672
3.537		472168	286636
3.554		216283	121012
3.591		56230	31514
3.608		43051	20615
3.623		23451	12047
3.655		607529	434360
3.69		1889	830
3.712		15014	8818
3.73		71570	44329
3.766		116027	69117
3.781		61771	30732
3.828		284491	152279
3.84		485186	267345
3.88		616714	497971
3.941		529321	414598
3.983		52963	36063
4.009		352059	260629
4.043		303624	510523
4.139		379594	275945
4.165		133100	88592
4.196		164731	120895
4.233		388820	448681
4.275		133612	108015
4.305		2205	929
4.322		15559	9969
4.358		79280	68452
4.398		362342	296772

RT A	Compound A	Height A	Area A
4.418		118398	71100
4.443		109769	79275
4.465		4271	2495
4.512		59407	49258
4.557		409585	378097
4.592		14874	10351
4.654		14608	13367
4.699		204309	203628
4.756		64478	44360
4.773		88217	57534
4.819		244228	216900
4.867		351144	401789
4.906		104941	77414
4.945		790135	728096
4.989		40801	36461
5.037		138885	145153
5.073		69321	52417
5.096		133331	103720
5.149		791811	608248
5.167		127585	79289
5.2		190764	179192
5.242		476402	501527
5.284		6957	3998
5.318		133548	165710
5.356		1124942	972928
5.379		53210	26826
5.397		13485	5417
5.42		532049	477403
5.463		350595	336659
5.561		67739	66136
5.584		552154	476160
5.642		324586	284528
5.682		175738	164905
5.723		65309	60546
5.764		231408	214991
5.821		1520158	1572522
5.912		2513	3023
6.027		885805	883202
6.069		46620	68878
6.081		106896	74547
6.216		39815	37243
6.278		33732	28377
6.301		170136	145831
6.364		443	350
6.458		416200	402122
6.504		31157	27045
6.546		838	505
6.599		3316	4627
6.629		536	160
6.661		135508	134329
6.779		6643	8949
6.81	DCB	3331817	3534015

LANCASTER LABORATORIES

Sample Number: AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 1:55:02 AM 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: 25pcbs17309003B.037.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.031		1025	719
2.078		50280	74602
2.141		13144	24635
2.208		18912	17711
2.265		1887	1991
2.304		7745	11519
2.365		2490	8604
2.396		2243	2862
2.427		1714	1746
2.462		32807	32277
2.571		1158	838
2.688		5701	3712
2.704		39692	30962
2.737		3002	1894
2.782	TCX	10203780	6400744
2.825		111109	89432
2.869		3412	4200
2.954		251738	196763
3.003		56732	27279
3.015		121401	59344
3.069		841299	551140
3.122		21552	12465
3.147		629	152
3.153		831	195
3.163		640	104
3.183		144552	101053
3.216		879	377
3.224		914	173
3.229		699	107
3.24		1306	801
3.258		522	146
3.279		680081	349440
3.291		214753	86283
3.331		117344	74826
3.355		110679	67542
3.38		75602	41793
3.405		946049	676390
3.442		117638	73569
3.471		26299	13037
3.488		202863	112025
3.504		116462	59815
3.531		1141	518
3.555		488063	240205
3.567		938914	426103
3.586		39241	15635
3.601		870557	630853
3.658		642	143
3.678		929948	617837
3.711		591578	364310
3.736		791578	469847
3.755		192481	94312
3.773		27811	15901
3.846		706207	513304
3.872		268909	158849

RT B	Compound B	Height B	Area B
3.893		274283	175474
3.926		254136	144237
3.944		556561	340992
3.988		225784	174952
4.036		121884	125561
4.06		127638	85819
4.083		768370	519829
4.11		155374	99647
4.132		17625	8803
4.15		130719	92818
4.187		590559	434577
4.225		34987	23200
4.243		93927	63801
4.291		17960	11753
4.313		6495	3144
4.332		236206	227060
4.379		38772	22977
4.403		149713	115107
4.45		141277	82613
4.467		117044	57206
4.48		372794	220903
4.508		233838	251305
4.563		1277568	1035091
4.607		68585	56459
4.636		132155	92310
4.661		277131	197365
4.684		44601	22303
4.705		1433346	1103776
4.763		1102	1158
4.815		1254687	1159449
4.873		150670	137541
4.911		301623	294349
4.95		1402846	1185745
4.983		626638	467690
5.023		473413	389519
5.089		3798	3802
5.127		175811	185582
5.18		918313	741031
5.205		127432	85335
5.254		487423	446125
5.29		228274	174605
5.317		157067	145016
5.35		59815	33673
5.371		2094945	1711930
5.413		43323	33947
5.449		109907	96592
5.485		2318	1671
5.563		23264	14843
5.587		408829	346844
5.632		1447232	1493392
5.742		6838	13850
5.79		47660	39886
5.829		40859	32675
5.856		40065	31797
5.905		248442	215497
6.008		538048	466873
6.039		30895	21621
6.074		9365	13942
6.177		3293	10672
6.209		166609	138829
6.254		16992	37801
6.333		9502	14472
6.372	DCB	4494679	3970929
6.433		3855	5640
6.532		976	11487
6.575		10770	24322

RT B	Compound B	Height B	Area B
6.601		7577	9038
6.645		16657	25846
6.828		27736	67469
6.897		5808	7242
6.941		6600	7646

AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082

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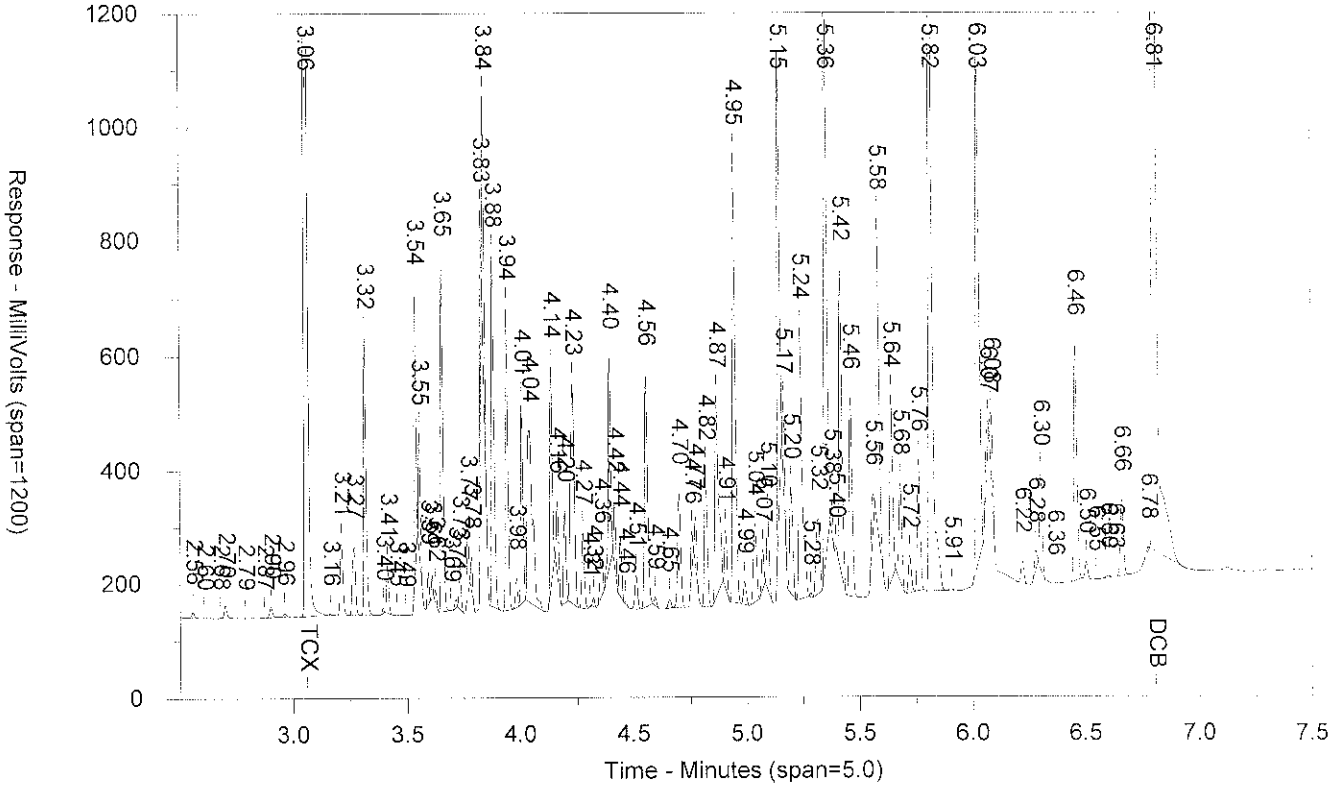

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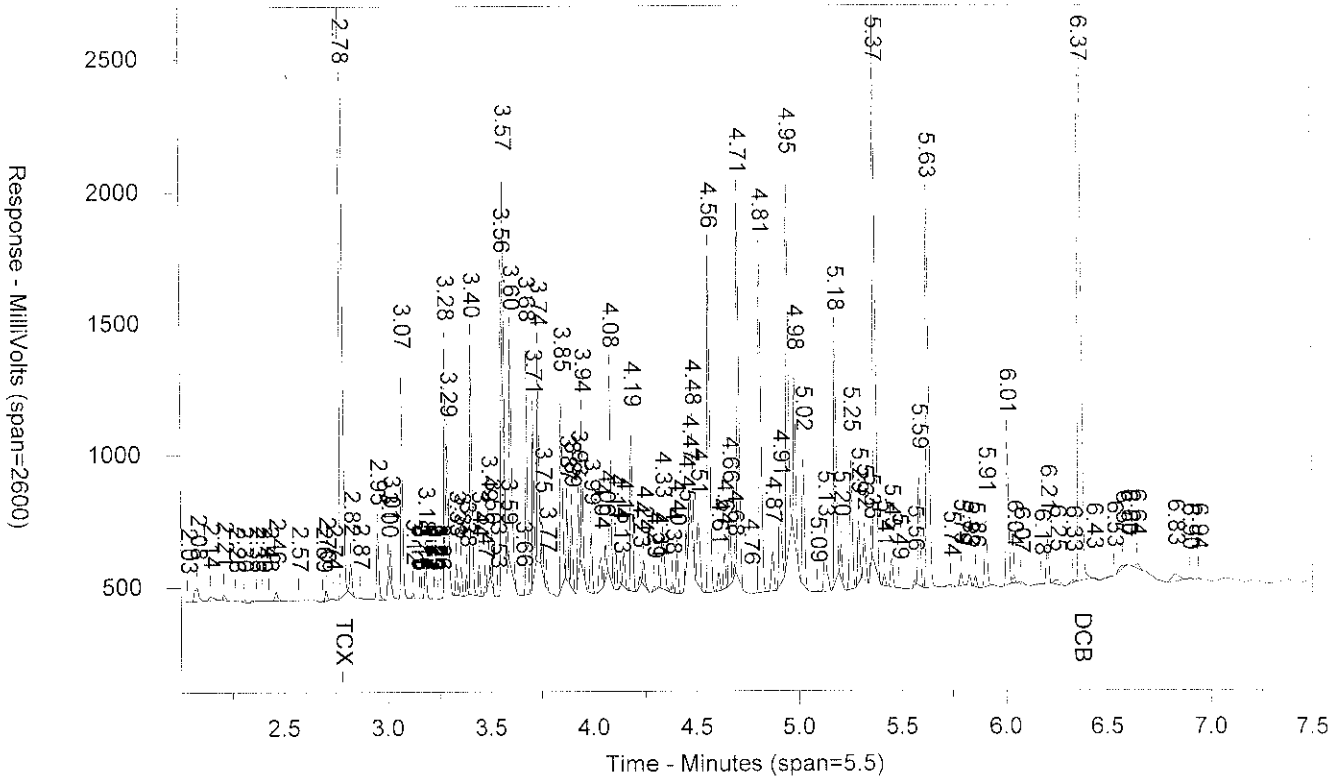

LANCASTER LABORATORIES

Sample Number: AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 1:55:02 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	5867564	42.566	TCX	2.782	10203780	41.856	TCX
6.81	3331817	39.684	DCB	6.372	4494679	39.132	DCB

Files:
Area File: 25pcbs17309003.037.RAW
Area File: 25pcbs17309003B.037.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 2:03:50 AM
File Reported On: 11/14/2017 at 2:03:57 AM

AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082

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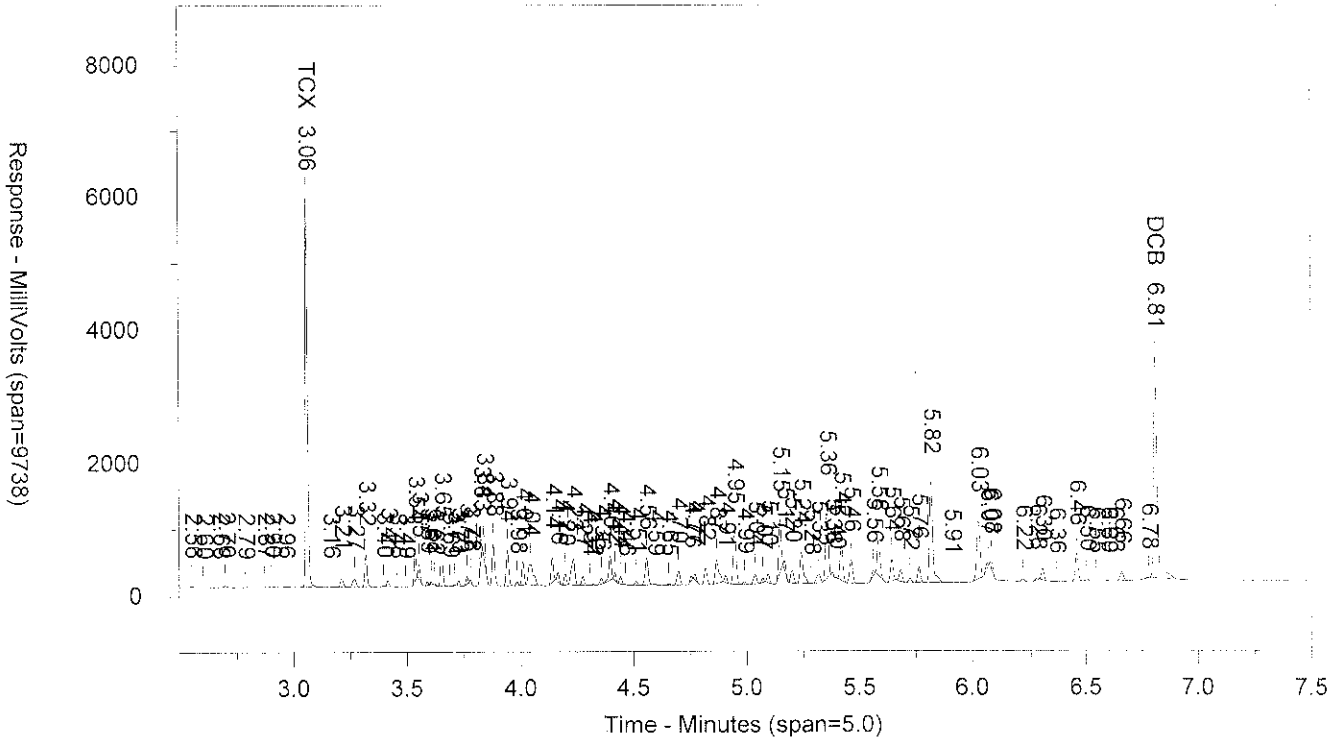

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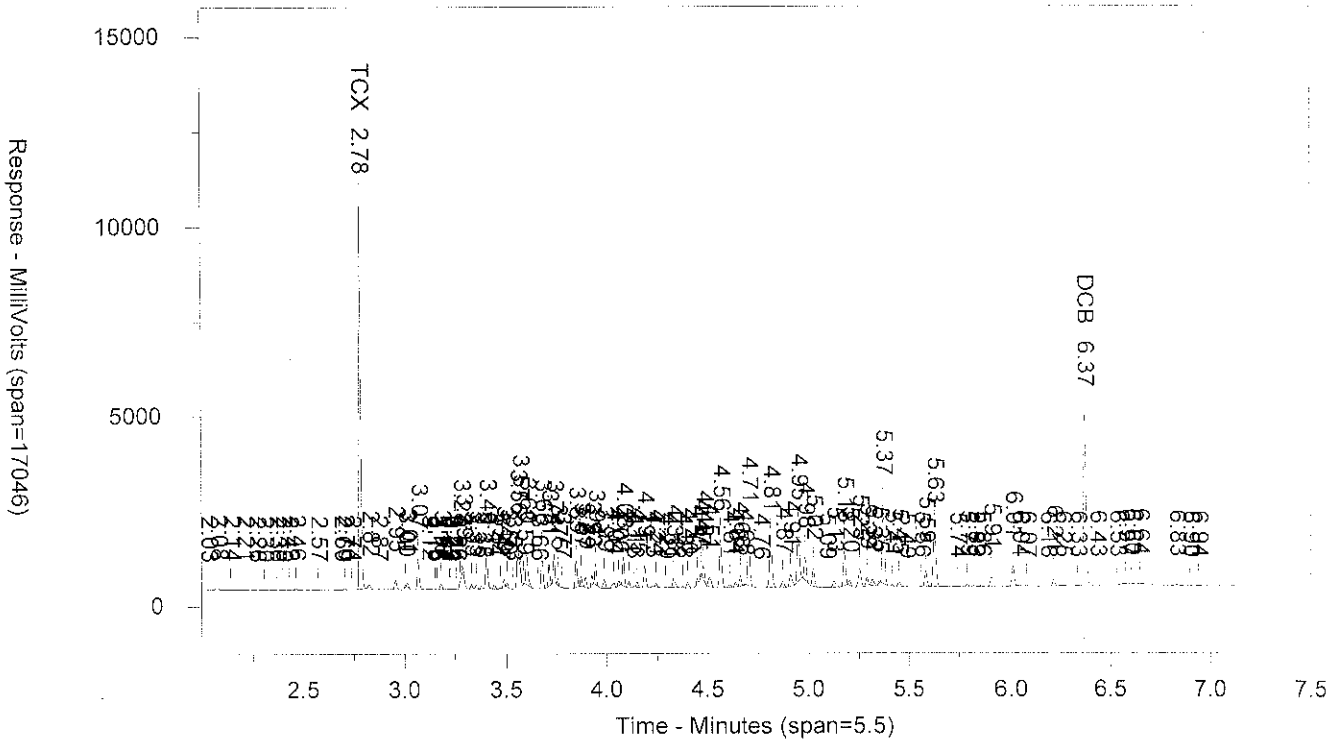

AR1641724B WTAR164WT CCAL 1731699999 10225 SW-846 8082

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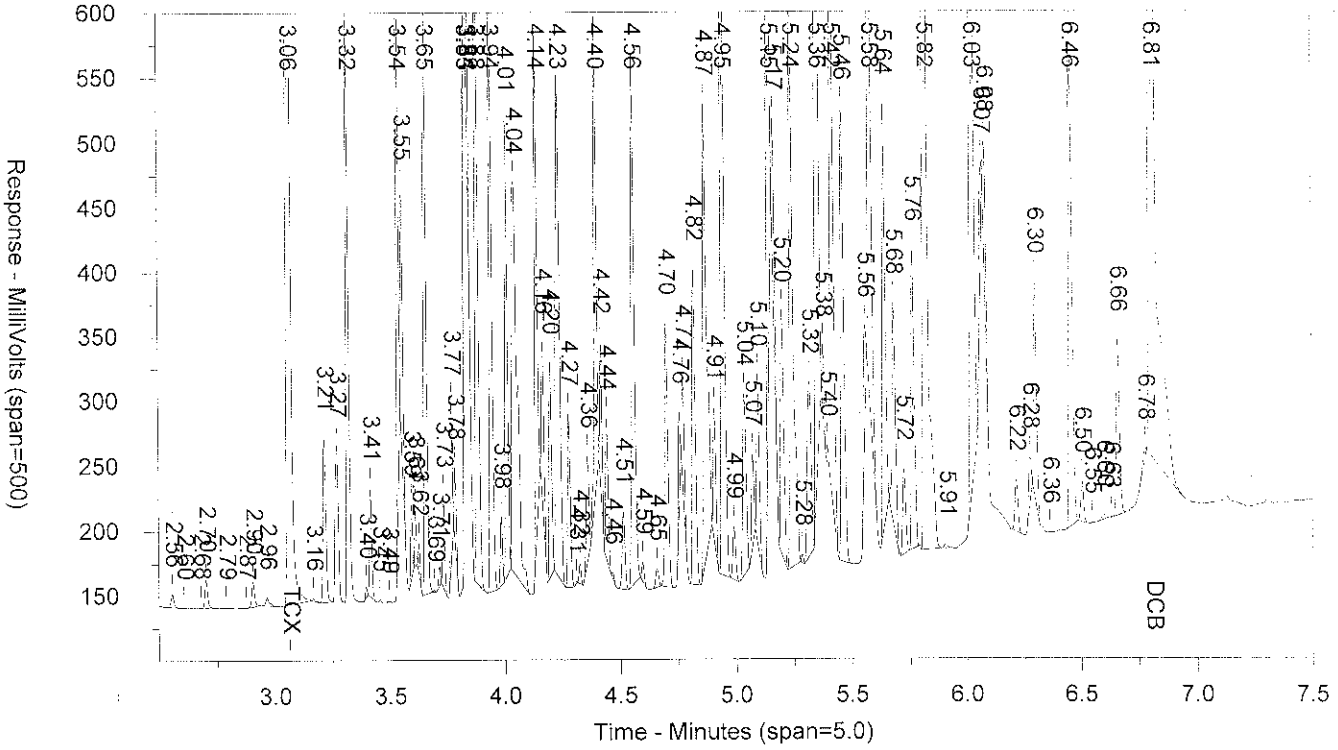

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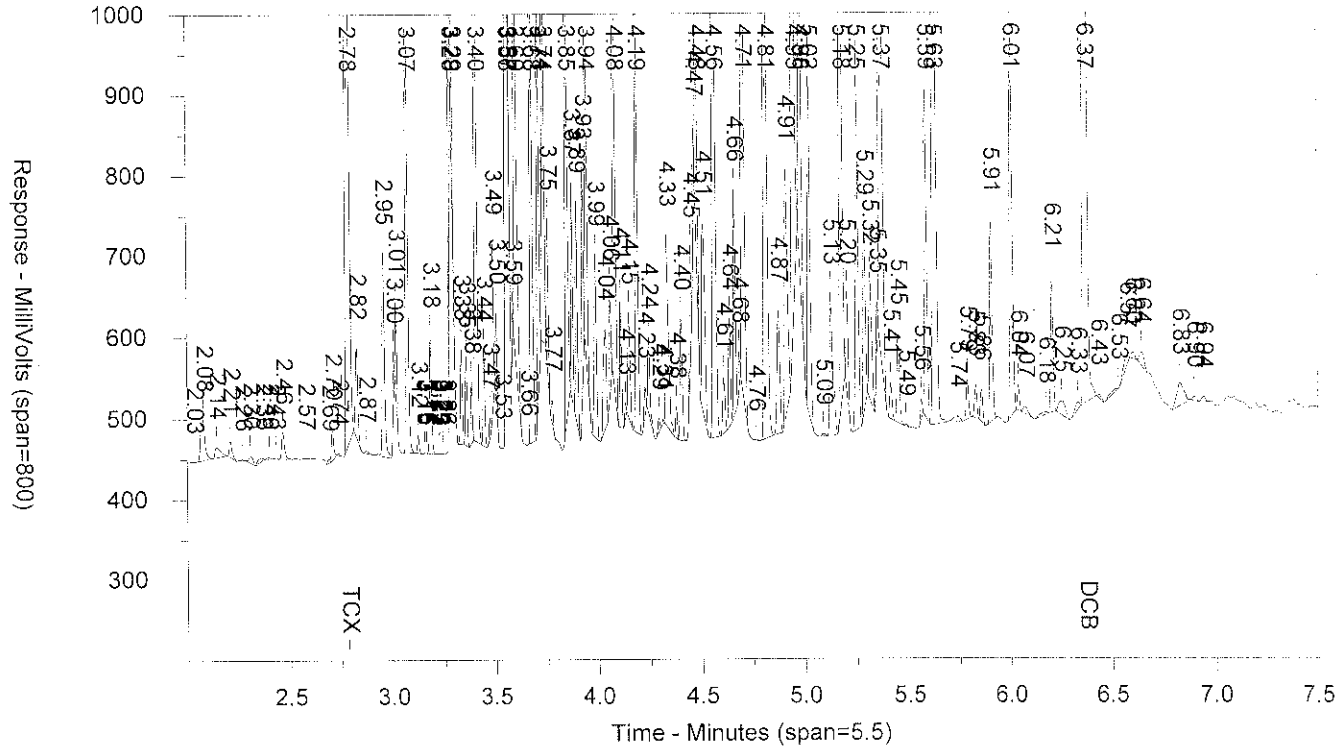

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 2:06:18 AM 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: 25pcbs17309003.038.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.03		1656	1759
2.098		12399	11768
2.167		2579	3357
2.215		9094	20146
2.285		3826	7850
2.326		1038	712
2.349		13390	11801
2.438		36059	23852
2.461		4504	2887
2.504		1295	1921
2.554		8923	7645
2.673		1096	772
2.698		1267	1005
2.724		452	317
2.747		684	610
2.782		868	554
2.823		391	285
2.843		1400	1048
2.872		334	149
2.901		22543	20764
2.962		5347	4713
3.06	TCX	3004242	2006035
3.163		1272	866
3.229		881	1227
3.261		39374	26962
3.329		6205	5890
3.395		6142	3784
3.416		2501	1929
3.535		1604	1665
3.583		365	500
3.608		1855	2317
3.653		3012	1925
3.675		3300	3513
3.711		11518	8462
3.769		646	686
3.808		6845	5459
3.852		1584	992
3.883		2741	3049
3.939		4570	4850
3.982		1678	1124
4.006		4374	3730
4.045		1014	724
4.09		1634	1940
4.178		1251	1710
4.224		3647	5051
4.275		1134	968
4.353		50756	60476
4.419		4499	4530
4.465		13341	14808
4.554		2972	4515
4.652		2118	1723
4.7		10831	12398
4.756		9319	8638
4.817		274	99

RT A	Compound A	Height A	Area A
4.834		489	486
4.907		1299	1144
4.988		1402	1598
5.033		432	229
5.071		30202	33740
5.144		401	230
5.169		1050	742
5.226		2060	3797
5.259		2066	1616
5.313		30333	28268
5.361		536	497
5.409		6273	8847
5.496		310	259
5.606		722	10281
5.643		4377	9134
5.723		12491	18626
5.801		454	488
5.818		459	314
5.843		15247	13734
5.894		444	332
5.909		356	274
5.937		817	1014
6.044		5182	8168
6.104		291	208
6.166		473	513
6.215		11612	11186
6.279		10464	8574
6.3		2069	1073
6.329		5360	5194
6.399		6826	19846
6.494		963	11725
6.543		668	477
6.564		653	214
6.596		3929	5257
6.634		487	338
6.66		17320	17490
6.698		1027	626
6.724		327	121
6.776		764	1419
6.808	DCB	1700897	1740252
6.853		1864	1483
6.974		598	211

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 2:06:18 AM 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: 25pcbs17309003B.038.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		1514	705
2.067		74109	78688
2.148		14951	32196
2.208		10736	10022
2.259		1525	2013
2.305		6987	9740
2.359		4305	8805
2.4		2986	6906
2.488		2174	3480
2.575		10762	69641
2.667		4000	2342
2.687		5798	3805
2.703		52560	46124
2.746		2447	1607
2.781	TCX	5236078	3333771
2.867		3428	5069
2.943		2312	3283
3.003		73038	46526
3.069		763	227
3.094		400	96
3.105		550	147
3.122		11777	7480
3.153		1831	1645
3.184		3604	2255
3.206		636	119
3.211		710	326
3.233		899	132
3.238		1002	194
3.271		3466	3038
3.298		2819	2485
3.318		931	254
3.331		1114	471
3.352		3363	2260
3.371		1084	642
3.393		918	370
3.407		4679	2861
3.429		902	147
3.438		1075	258
3.457		1013	731
3.47		21658	11754
3.484		543	73
3.498		11905	7480
3.538		4430	5430
3.568		2703	2054
3.582		1362	705
3.607		960	252
3.624		1989	967
3.644		731	152
3.649		572	208
3.665		506	119
3.679		4770	3298
3.707		1828	1222
3.724		3365	2878
3.746		1203	428

RT B	Compound B	Height B	Area B
3.758		1092	349
3.777		1310	679
3.79		745	109
3.798		3159	3213
3.847		9082	21591
3.9		5513	8708
3.926		4494	3128
3.958		4561	2815
3.99		2036	1138
4.037		2035	1287
4.07		2254	1480
4.087		6297	3442
4.125		833	2454
4.148		74598	70561
4.241		5564	6090
4.292		21423	20282
4.332		3097	1846
4.358		5383	3282
4.377		9983	6374
4.434		1235	6358
4.448		2493	6193
4.566		2265	1901
4.607		2352	1551
4.652		801	202
4.683		34447	27545
4.772		1212	1060
4.818		3040	4463
4.879		8713	21884
4.924		48398	38140
4.948		2401	4735
5.008		1819	2478
5.04		1251	526
5.076		776	518
5.091		1540	932
5.13		1786	1574
5.177		1929	1299
5.251		2810	5750
5.327		18019	21598
5.449		22940	38037
5.607		9927	12672
5.659		1819	9972
5.739		1056	1772
5.789		12576	10050
5.815		1151	592
5.827		1480	638
5.854		14231	10166
5.907		6198	8253
5.936		3309	5955
6.002		6091	11636
6.078		11787	28294
6.184		2534	8804
6.208		18158	13764
6.262		16599	36270
6.334		6567	12647
6.371	DCB	2375233	2138162
6.494		9271	24872
6.57		14434	31445
6.646		10762	14931
6.692		2797	3328
6.726		12036	16482
6.759		3874	5000
6.834		18163	52113
6.893		7354	10756
6.943		7601	20160

IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082

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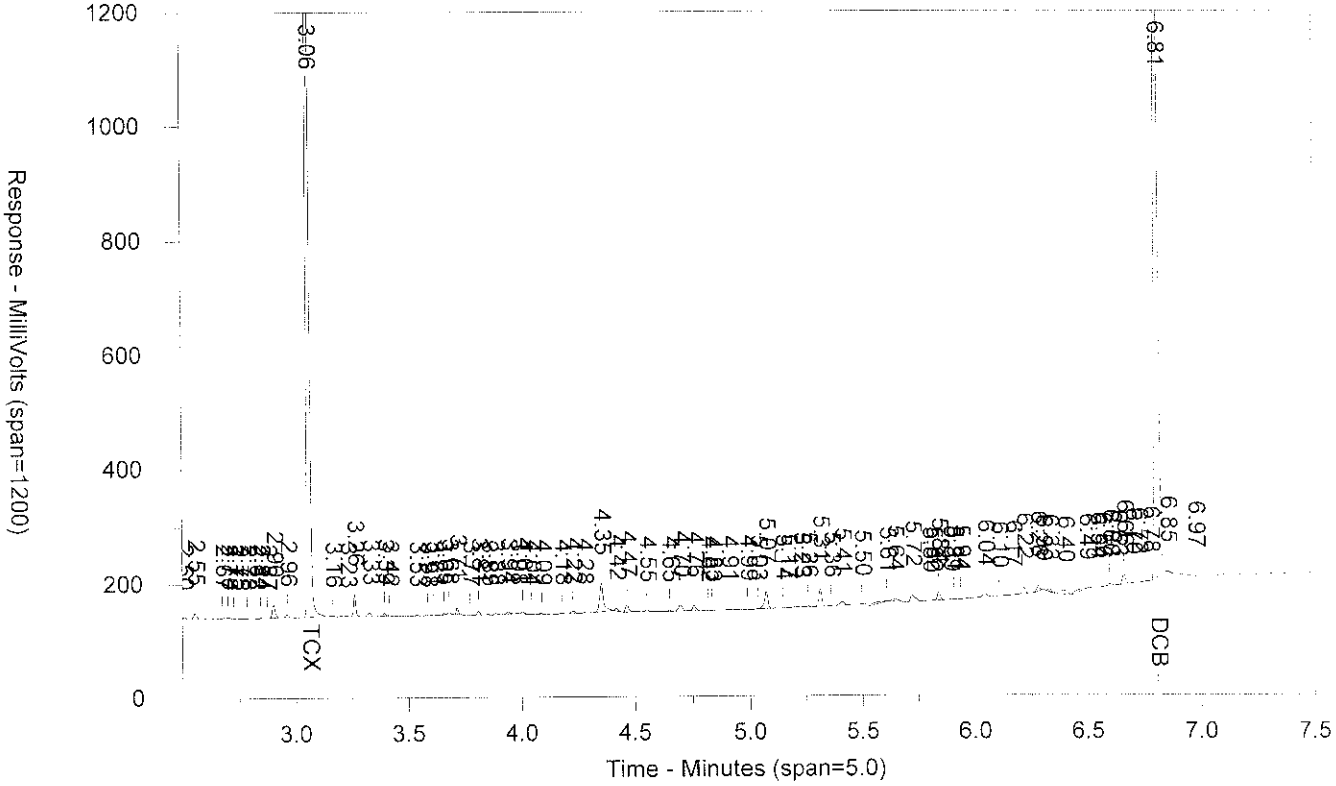

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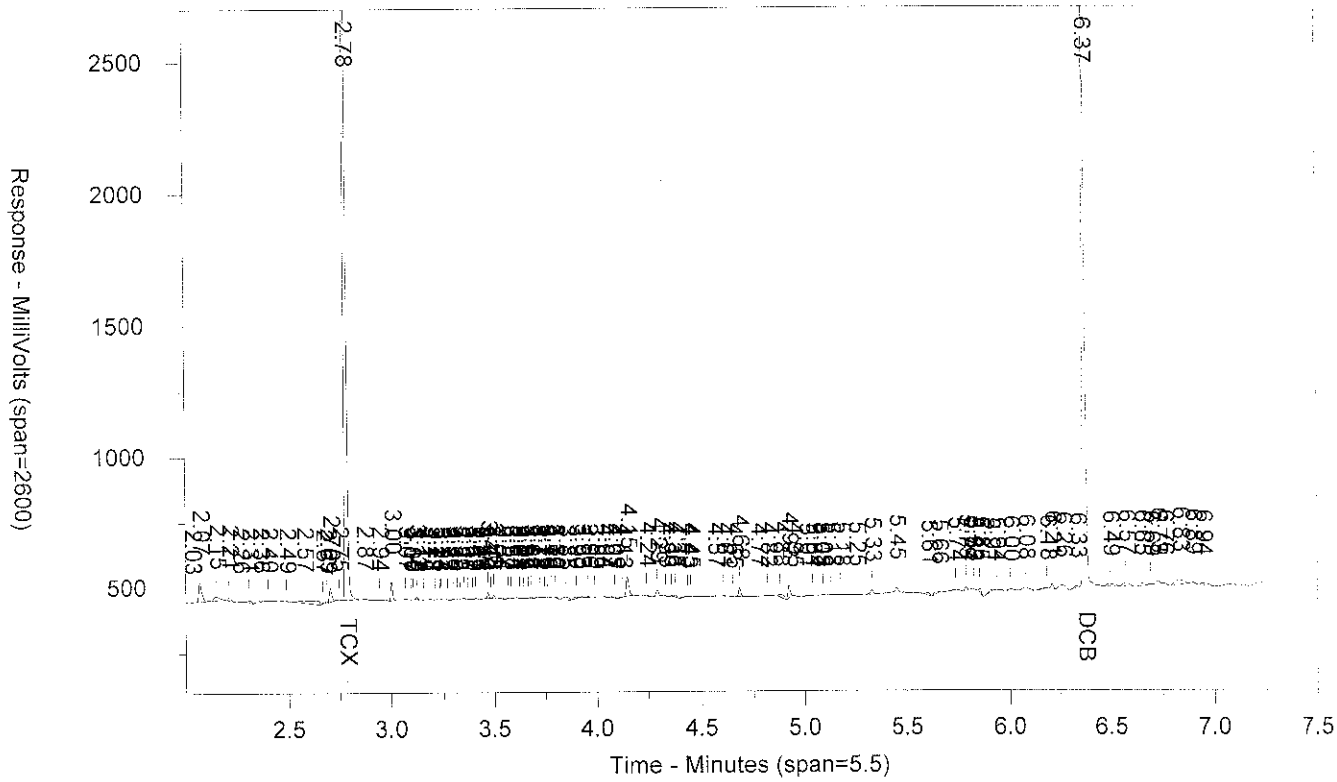

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 2:06:18 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	3004242	.218	TCX	2.781	5236078	.215	TCX
6.808	1700897	.203	DCB	6.371	2375233	.207	DCB

Files:
Area File: 25pcbs17309003.038.RAW
Area File: 25pcbs17309003B.038.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 2:15:04 AM
File Reported On: 11/14/2017 at 2:15:11 AM

IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082

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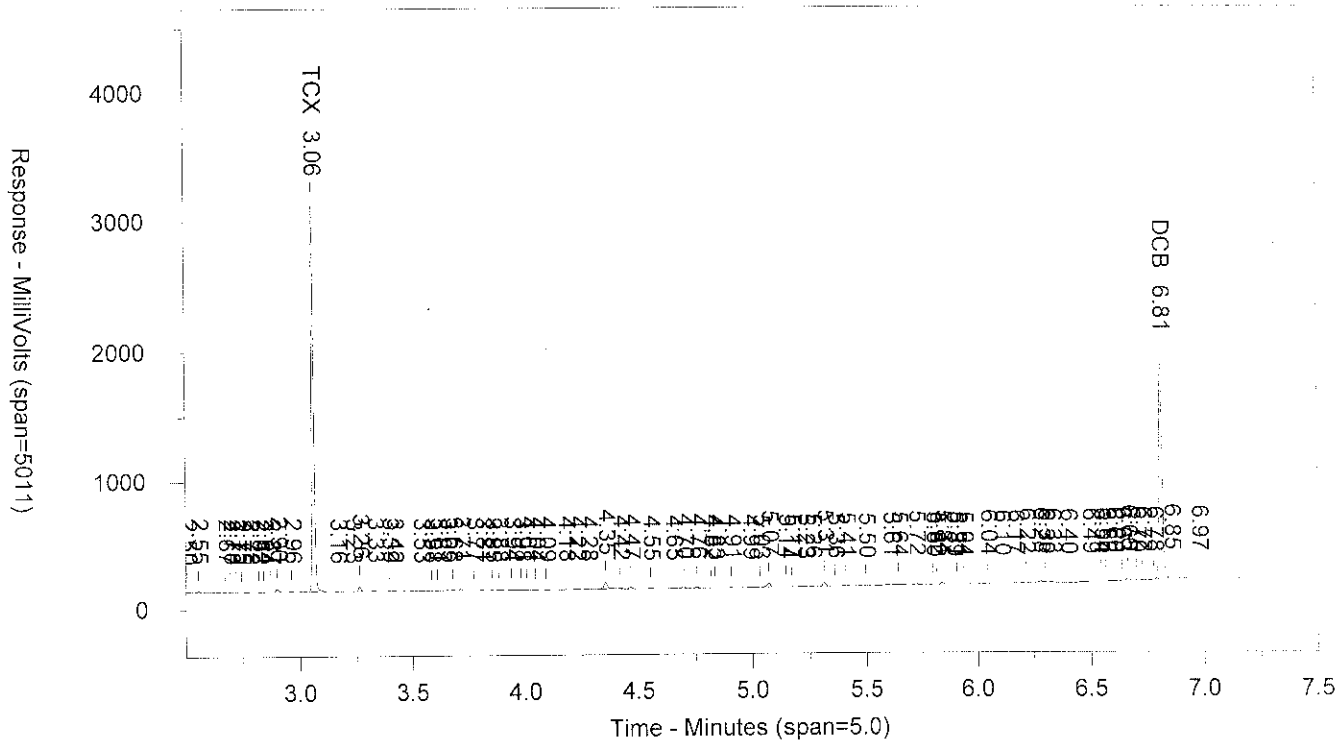

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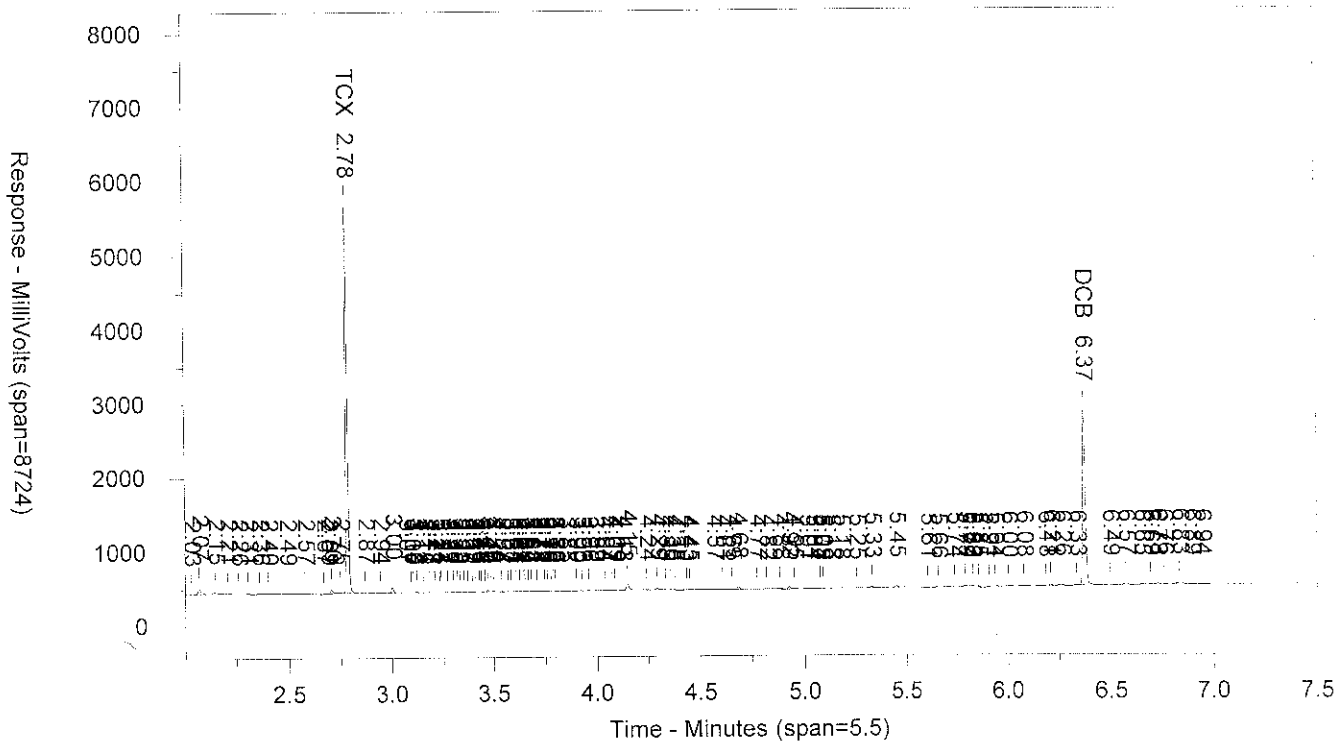

IBLKX1724B MBPIBLKMB PIBLK1731699999 10225 SW-846 8082

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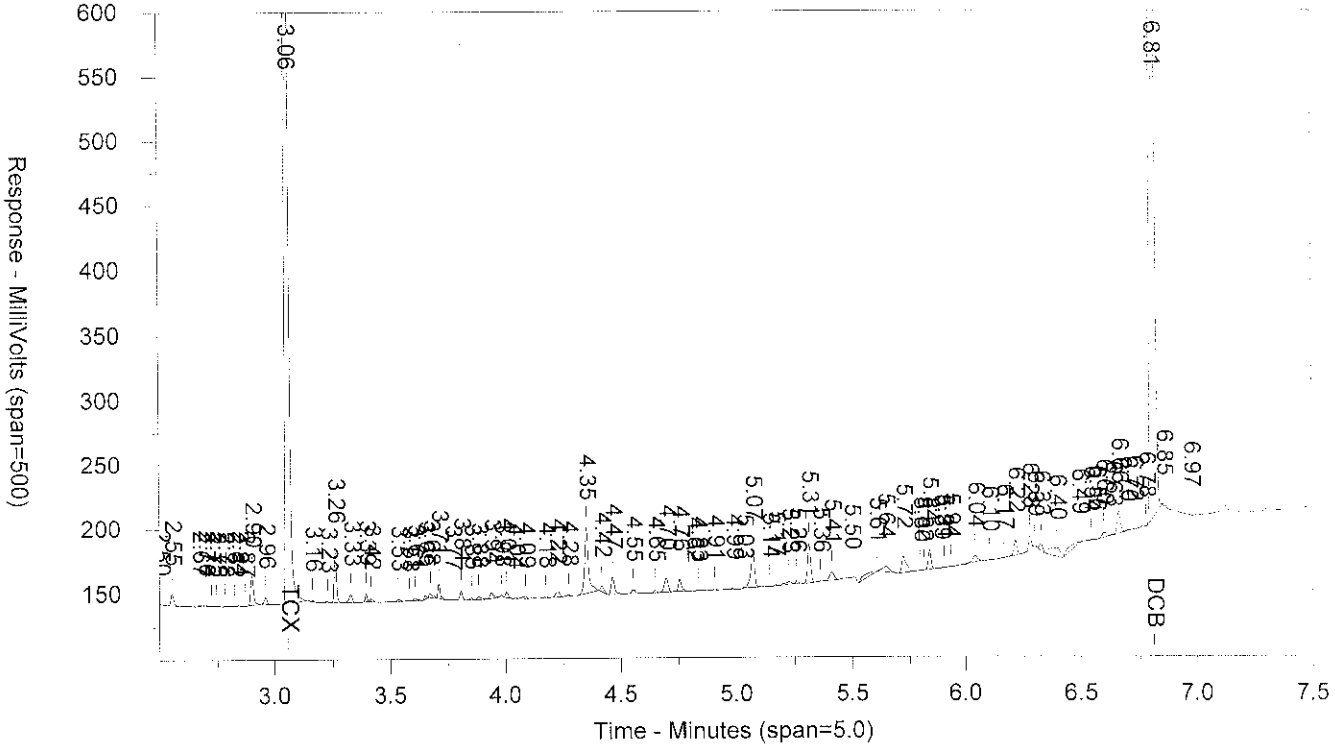

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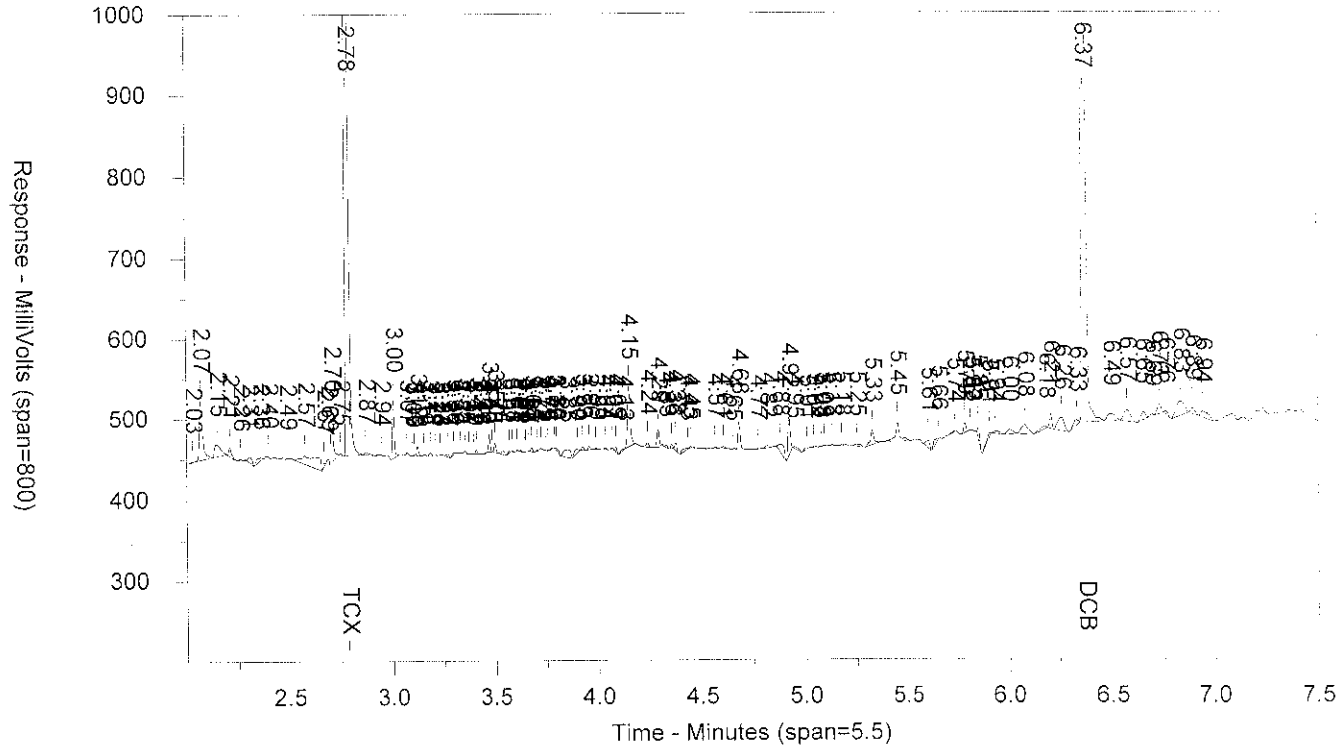

LANCASTER LABORATORIES

Sample Number: AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:36:47 AM 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: 25pcbs17309003.046.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.028		1459	1700
2.098		9556	9200
2.159		649	698
2.218		7764	15387
2.285		2777	5293
2.326		656	624
2.348		25261	21341
2.437		19815	12593
2.46		9820	7176
2.504		853	1064
2.555		7227	6753
2.596		500	475
2.68		321	347
2.698		22971	20276
2.9		15306	13960
2.96		4039	4635
3.06	TCX	5967368	3916030
3.16		1607	902
3.211		125072	111478
3.268		122574	121687
3.317		491710	352430
3.394		8234	4266
3.413		85916	58121
3.452		1979	1255
3.535		476551	292576
3.553		224901	121285
3.59		57777	31610
3.607		43582	21499
3.622		25844	13007
3.653		607842	439347
3.688		2321	1064
3.71		13242	7917
3.728		73608	47722
3.764		119587	69425
3.78		63156	32375
3.826		281032	159500
3.839		466397	256068
3.878		636476	503013
3.94		538877	422791
3.981		55420	36975
4.008		358450	264212
4.037		312219	486420
4.086		4837	2693
4.138		380139	281718
4.164		140410	91565
4.195		163171	122563
4.231		395292	454267
4.273		135775	109370
4.305		1809	900
4.319		16626	10387
4.356		81278	67257
4.396		366407	302710
4.417		117347	72660
4.442		109173	81584

RT A	Compound A	Height A	Area A
4.465		5367	3012
4.511		59302	49720
4.556		403092	380823
4.591		13258	8906
4.654		14161	13191
4.697		208953	202702
4.755		66526	44127
4.771		89911	59643
4.817		239170	221041
4.864		364254	410024
4.904		106678	77650
4.943		813809	740060
4.988		41473	36971
5.036		139389	148414
5.072		66398	51548
5.094		124994	101799
5.147		748616	604981
5.165		122528	71999
5.198		204919	181331
5.239		459973	511100
5.282		6918	3613
5.316		135502	168363
5.355		1103887	994537
5.378		54825	27216
5.395		13168	4959
5.418		551798	486728
5.461		366921	344262
5.559		67414	68550
5.582		581193	495792
5.64		337920	291673
5.679		176586	166921
5.721		66966	60626
5.763		232425	223106
5.789		2043	717
5.819		1592284	1610700
5.905		1872	1574
5.969		1193	1598
6.026		946624	923532
6.07		14276	73055
6.078		94503	73074
6.179		540	380
6.214		44532	42546
6.275		34532	28520
6.299		170630	153323
6.362		1009	826
6.456		427907	417887
6.501		30656	28916
6.552		1508	2265
6.607		1118	1586
6.634		338	471
6.66		141055	142029
6.711		347	63
6.732		666	625
6.763		1001	855
6.81	DCB	3324226	3383135
6.915		1208	1706

LANCASTER LABORATORIES

Sample Number: AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:36:47 AM 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: 25pcbs17309003B.046.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		1233	1168
2.077		50309	75691
2.141		13797	26737
2.207		19844	18412
2.31		7280	9318
2.395		3733	16933
2.428		2705	3025
2.462		33922	36176
2.637		2831	5627
2.688		4493	2791
2.703		29383	23253
2.736		3164	2107
2.781	TCX	10428700	6514806
2.824		114699	93113
2.869		3230	5408
2.953		248002	189089
3.003		66770	30584
3.015		126896	62200
3.068		841042	555177
3.122		22205	12835
3.154		1729	1336
3.182		152279	105029
3.219		1200	530
3.237		396	77
3.243		970	292
3.257		691	120
3.278		679979	361284
3.29		222055	90278
3.331		119019	75529
3.354		113688	69645
3.38		77325	42665
3.404		943753	686309
3.441		124871	76782
3.47		24991	11477
3.487		213704	115216
3.503		121482	62729
3.531		1207	633
3.555		552694	248371
3.565		914435	420699
3.586		41220	16135
3.6		882282	643937
3.65		649	106
3.655		488	77
3.677		950005	630702
3.71		609745	367585
3.735		814651	477659
3.754		192015	95204
3.772		33393	18998
3.793		1645	3152
3.845		719559	520199
3.87		278111	162878
3.892		278369	179361
3.925		263377	147548
3.943		556608	344199

RT B	Compound B	Height B	Area B
3.987		224922	176613
4.035		133395	133583
4.059		129446	86585
4.082		772569	527284
4.109		159187	101396
4.131		21429	10264
4.148		139065	96878
4.186		587233	440394
4.224		35444	24505
4.241		89427	60261
4.291		17166	11611
4.313		6389	3056
4.331		250462	231357
4.377		45714	28088
4.402		157303	116339
4.448		141139	85236
4.466		104314	53671
4.479		379930	226727
4.507		242515	255877
4.561		1317919	1047780
4.606		69778	57657
4.634		134454	94374
4.66		278577	199694
4.682		46220	24055
4.704		1465878	1121823
4.814		1259064	1181378
4.872		154108	139754
4.909		312731	295064
4.948		1416871	1197884
4.981		676196	496141
5.022		482458	398884
5.089		3736	3779
5.126		177253	191236
5.179		910460	759030
5.203		127057	85336
5.254		498720	456410
5.289		235400	182839
5.316		159890	146636
5.349		58736	34880
5.37		2132873	1752081
5.412		44372	34270
5.447		112614	96060
5.484		3119	2131
5.562		24045	14455
5.586		429529	353518
5.631		1476225	1512505
5.788		44061	36991
5.828		45581	42295
5.854		37161	27905
5.904		258505	212836
6.007		569237	503984
6.038		30323	20881
6.072		4525	11701
6.16		1577	1107
6.208		184503	157834
6.258		8296	17065
6.332		3342	4958
6.37	DCB	4634555	4182403
6.495		6545	14516
6.573		9890	22058
6.647		7211	10689
6.695		1182	1372
6.727		5387	7463
6.764		5352	4836
6.825		15471	45197
6.944		6135	13347

AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082

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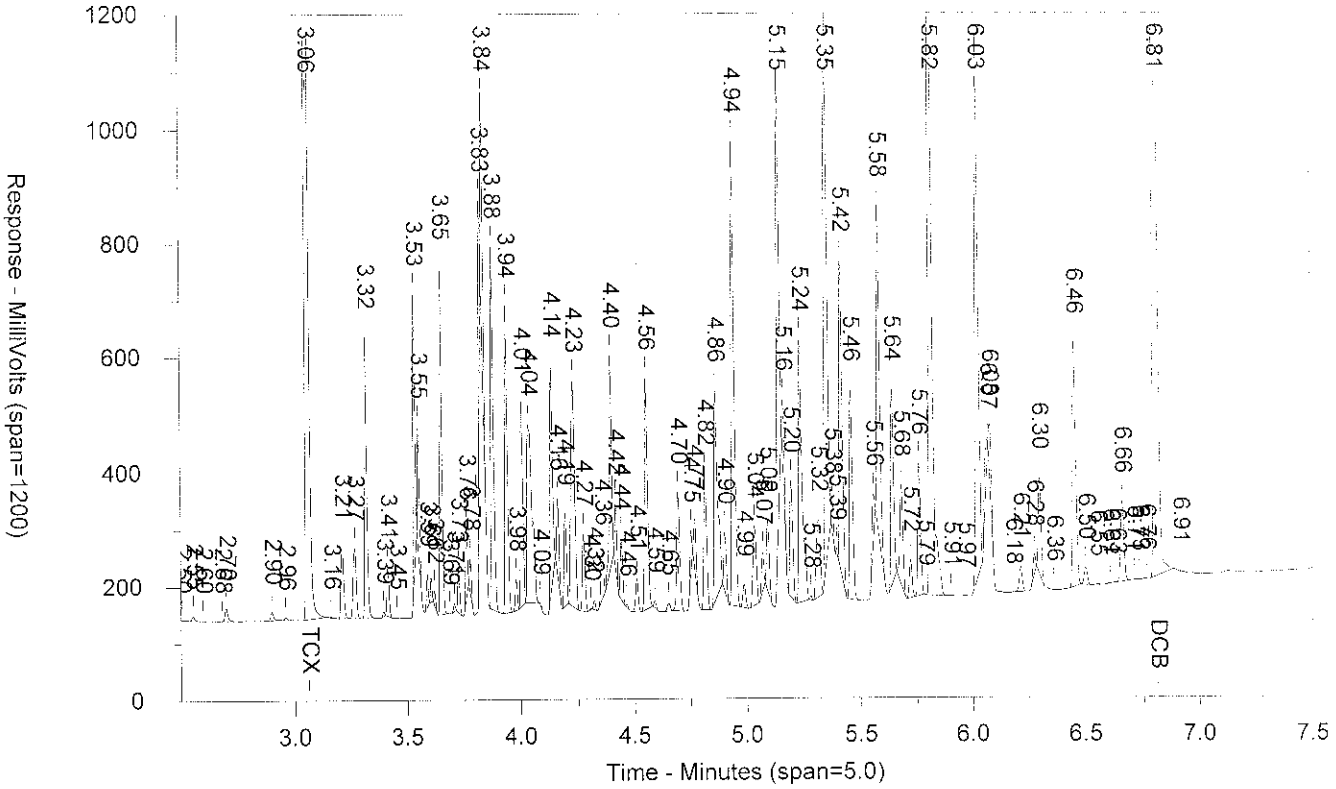

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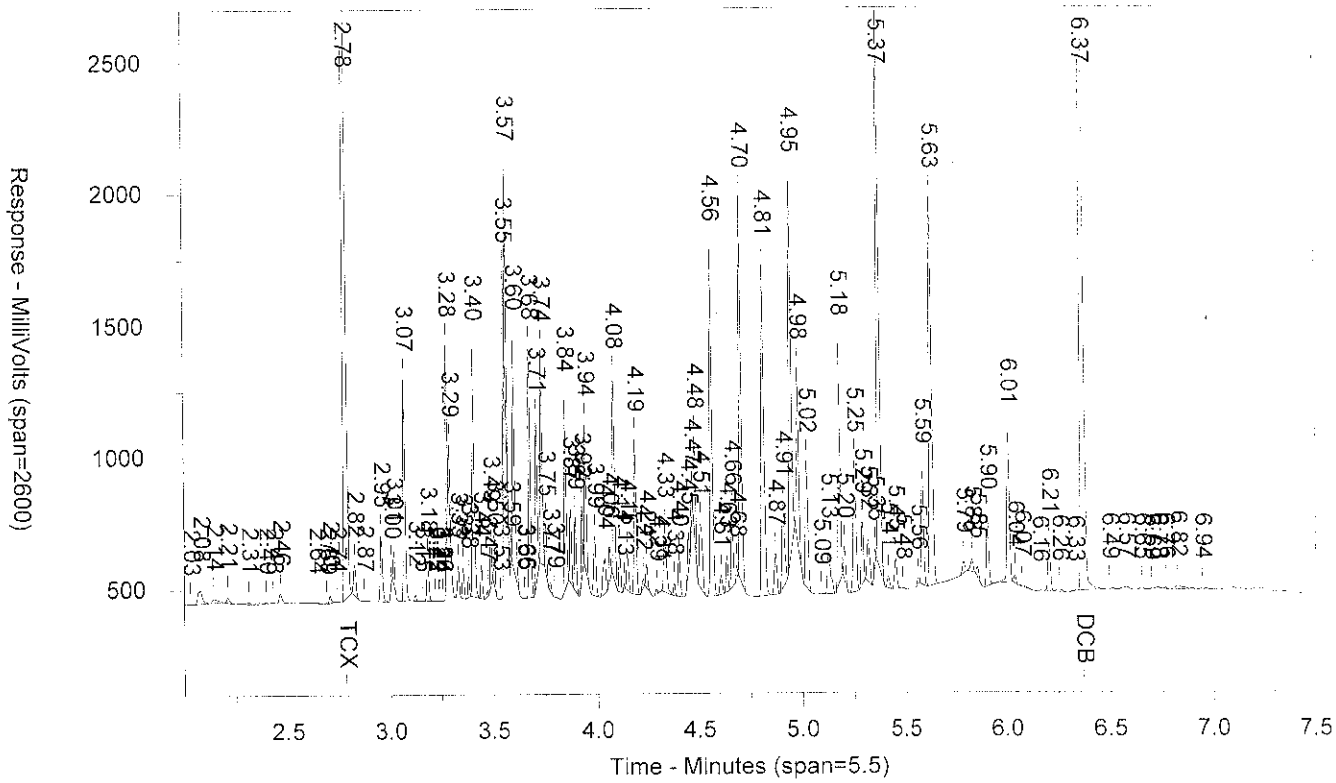

LANCASTER LABORATORIES

Sample Number: AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:36:47 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	5967368	43.29	TCX	2.781	10428700	42.779	TCX
6.81	3324226	39.594	DCB	6.37	4634555	40.349	DCB

Files:
Area File: 25pcbs17309003.046.RAW
Area File: 25pcbs17309003B.046.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 4:20:21 AM
File Reported On: 11/14/2017 at 4:21:42 AM

AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082

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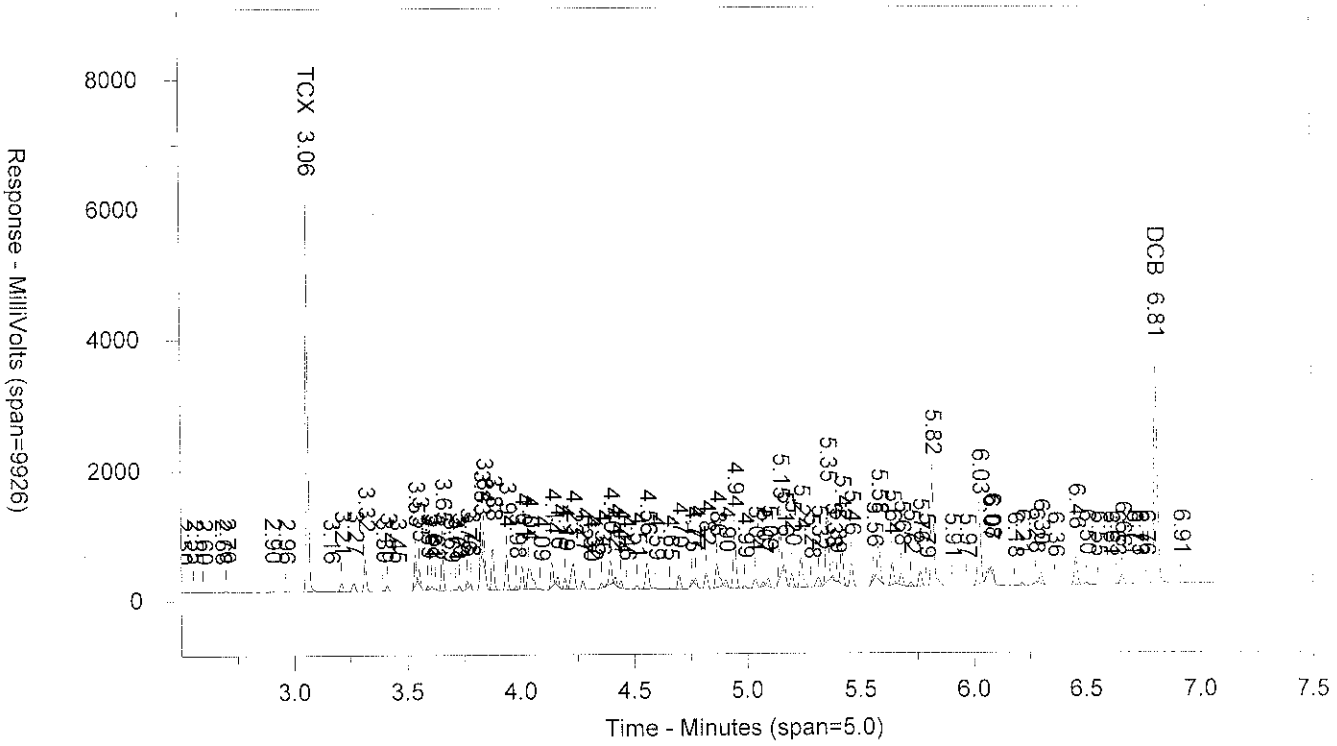

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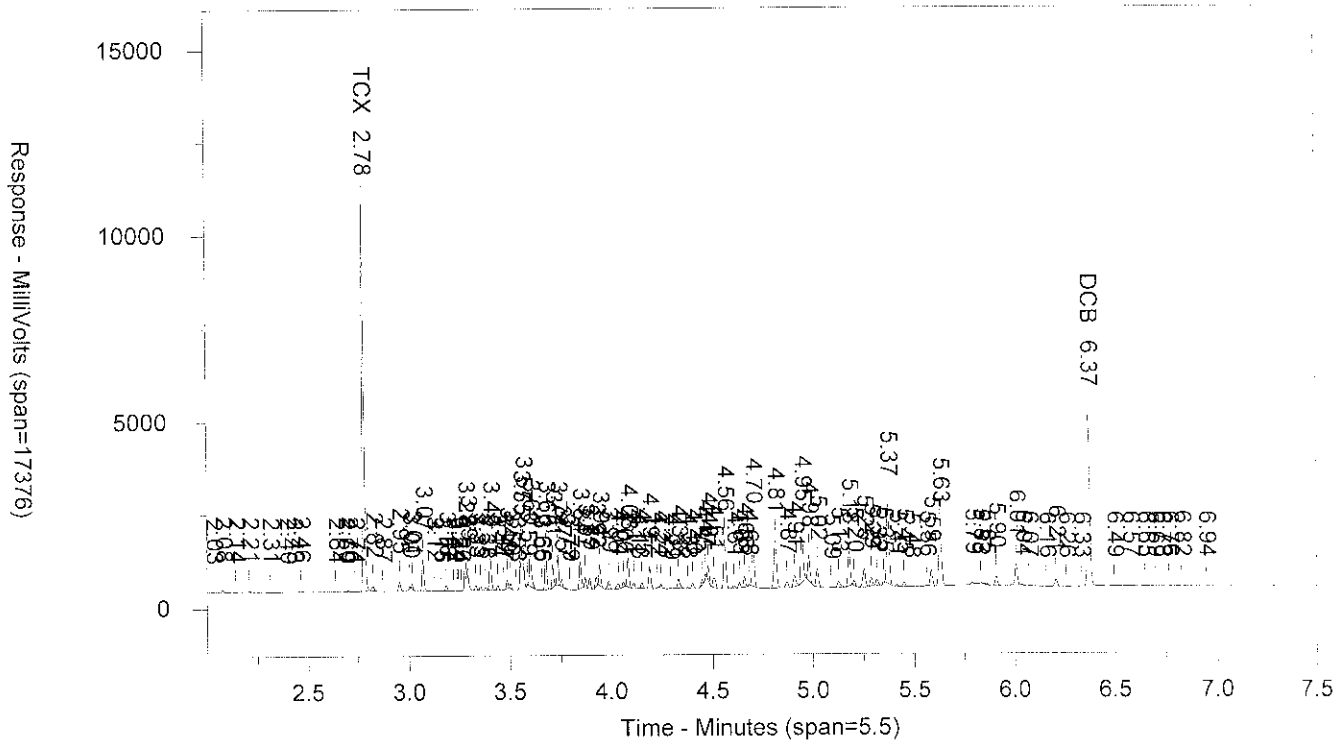

AR1641724B WUAR164WU CCAL 1731699999 10225 SW-846 8082

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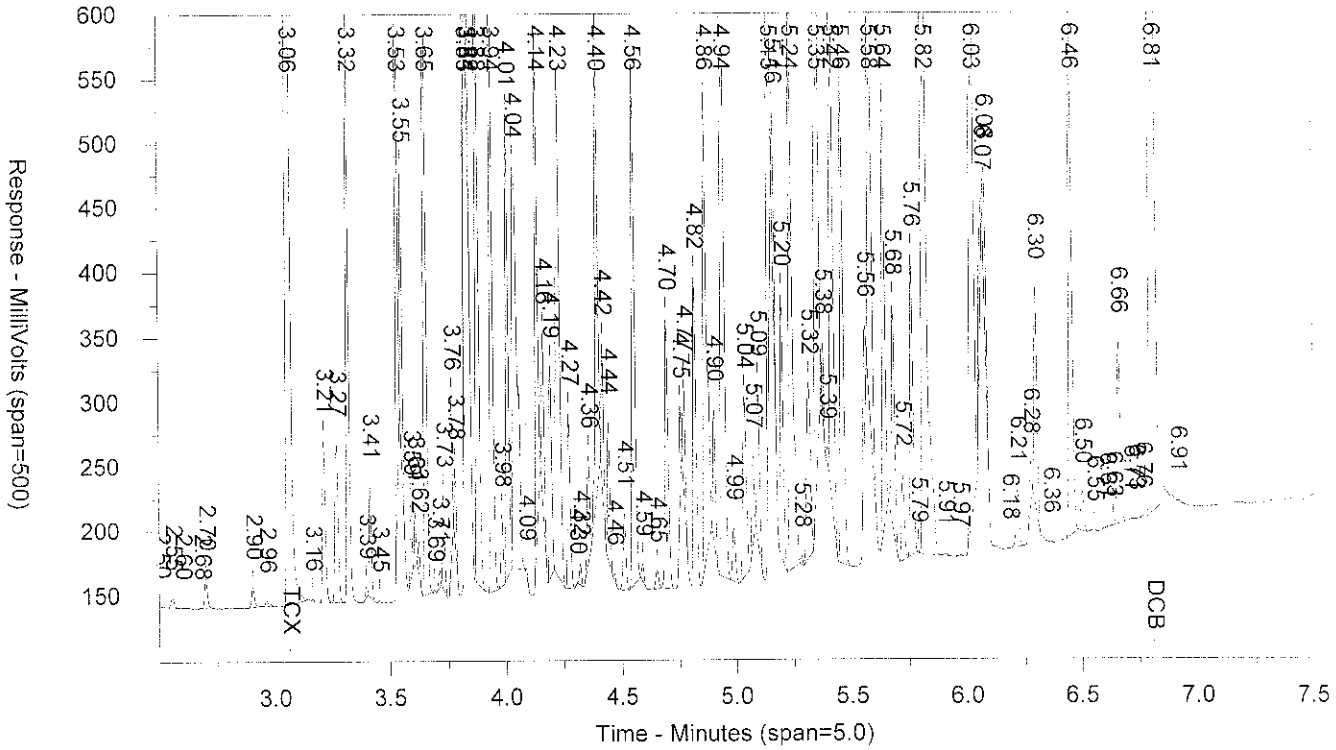

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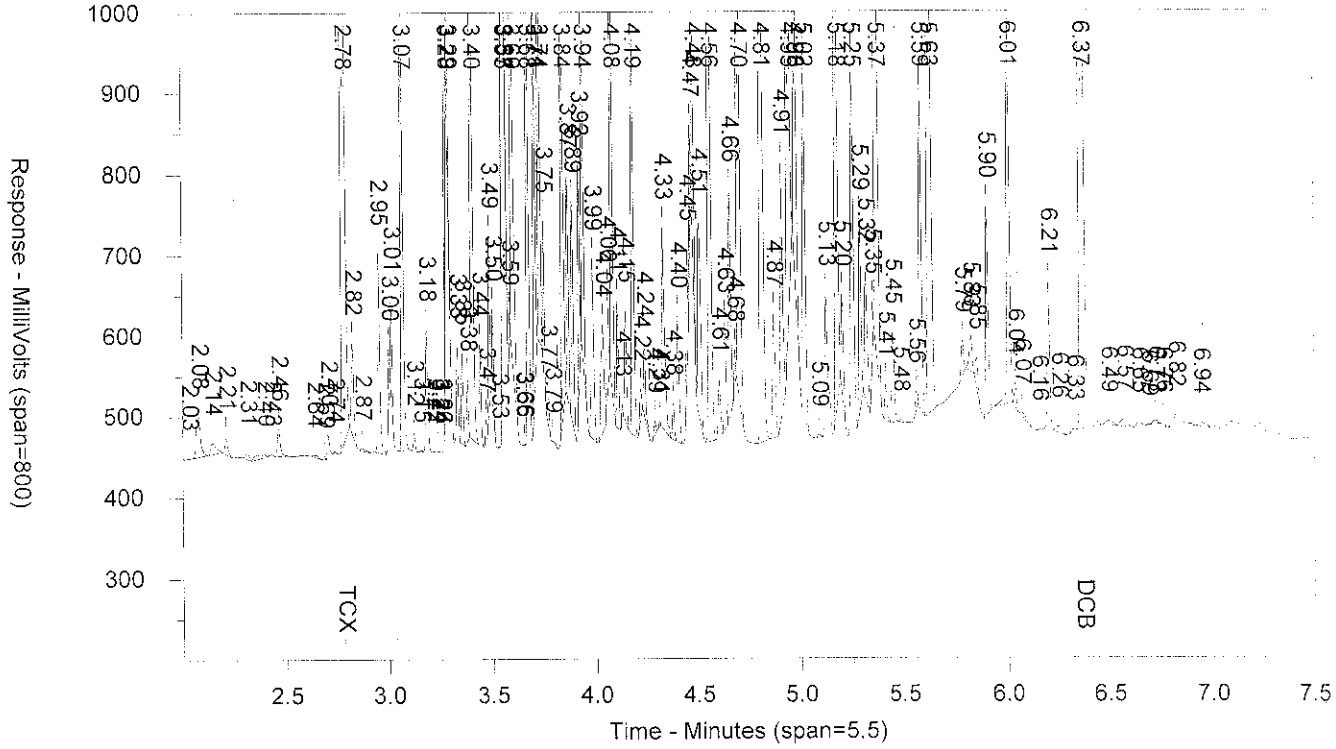

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:47:59 AM 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: 25pcbs17309003.047.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.013		472	203
2.029		1365	1453
2.098		9290	8834
2.145		499	413
2.167		2366	2066
2.218		5993	10645
2.267		722	688
2.286		1257	1005
2.326		895	593
2.348		13289	11330
2.437		22788	14783
2.459		4603	3120
2.497		1158	1544
2.534		402	135
2.554		6457	5471
2.677		779	635
2.699		1239	1415
2.751		582	567
2.779		996	885
2.843		639	394
2.9		15257	14366
2.962		3989	3629
3.059	TCX	2929586	1967516
3.161		1032	818
3.222		498	307
3.261		38507	26206
3.327		4506	4485
3.394		5876	3651
3.416		2714	2317
3.456		346	160
3.537		1535	1687
3.609		1785	1765
3.652		2845	1842
3.672		2000	1328
3.711		10380	7468
3.764		766	750
3.807		5795	5038
3.851		3297	2174
3.882		2523	2171
3.938		4061	4722
3.982		1548	1074
4.005		3085	2813
4.042		581	434
4.086		1645	2056
4.134		435	411
4.176		1339	1359
4.22		1102	454
4.231		1119	583
4.272		1097	740
4.353		49736	58830
4.417		4406	5227
4.464		14284	15592
4.555		2480	4152
4.65		1843	1950

RT A	Compound A	Height A	Area A
4.697		8989	9852
4.755		10340	9483
4.832		564	627
4.905		1251	1190
4.986		1355	1110
5.032		667	257
5.071		30610	31079
5.109		838	680
5.162		833	1023
5.225		2602	4348
5.258		1646	1491
5.312		29790	28283
5.357		594	429
5.41		5065	7247
5.464		508	782
5.5		6591	12951
5.565		2354	9616
5.6		738	1175
5.643		4765	9195
5.721		12849	17073
5.812		426	1595
5.843		14344	13293
5.908		517	492
5.935		600	503
5.995		400	1015
6.042		4954	8766
6.113		888	719
6.154		475	495
6.18		451	137
6.213		11923	10855
6.279		11084	8822
6.3		1662	733
6.323		6159	7091
6.371		3497	6706
6.396		4119	5785
6.496		1498	22277
6.555		1257	2993
6.597		4383	5390
6.66		17322	18281
6.699		904	752
6.759		1561	1274
6.808	DCB	1738710	1758674
6.961		1237	972

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:47:59 AM 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: 25pcbs17309003B.047.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.031		1439	1058
2.067		47821	58353
2.144		11215	21711
2.207		8970	9163
2.307		5397	6544
2.352		4218	7203
2.383		2370	2518
2.524		2099	3036
2.574		2803	2805
2.666		4114	2290
2.686		4766	3030
2.704		32561	28652
2.781	TCX	5123099	3257952
2.868		3817	4933
2.943		3649	9753
3.002		72216	49357
3.07		3072	1588
3.089		679	381
3.122		12052	7828
3.156		2201	2021
3.17		716	88
3.185		2894	1973
3.203		636	169
3.221		390	132
3.23		585	143
3.239		818	316
3.254		785	241
3.264		749	123
3.269		1193	423
3.295		861	449
3.301		715	184
3.322		838	144
3.331		1115	274
3.35		3288	2281
3.372		1539	955
3.382		782	251
3.407		4766	3760
3.441		1030	274
3.457		1579	985
3.469		18373	10768
3.497		8088	5570
3.523		1058	245
3.534		5272	4601
3.564		1193	473
3.569		963	198
3.59		634	71
3.609		2778	1660
3.623		2114	1507
3.642		541	259
3.657		808	163
3.665		440	161
3.679		3750	2118
3.705		4342	2347
3.723		2685	2238

RT B	Compound B	Height B	Area B
3.747		1156	301
3.76		765	144
3.778		1768	1326
3.79		3068	5128
3.841		3671	5013
3.896		7257	12040
3.926		3981	2795
3.958		4970	3329
3.989		2363	1615
4.036		2970	3397
4.067		2197	1262
4.087		5303	2732
4.117		2013	2431
4.148		78791	82385
4.241		4252	4363
4.291		22078	17452
4.328		2363	1605
4.356		5495	3167
4.377		12790	8946
4.418		5606	9344
4.455		2034	2783
4.502		886	655
4.566		3026	2276
4.608		3032	2793
4.662		2072	1154
4.681		36553	30608
4.748		1586	825
4.769		1717	993
4.82		1254	1766
4.847		1474	559
4.884		29574	58207
4.923		59987	49046
4.951		2098	1494
5.117		1145	18141
5.266		1458	2406
5.276		1518	839
5.325		21005	38209
5.448		16192	13865
5.49		4314	6703
5.51		2190	1807
5.562		2979	3218
5.606		28126	35303
5.822		273127	2249069
5.993		136133	989883
6.207		25451	29116
6.334		875	126
6.37	DCB	2347393	2126088
6.493		1367	2429
6.548		1291	2963
6.645		1673	4128
6.731		1736	3586
6.796		992	416
6.823		2404	1775
6.855		4309	3329
6.946		1323	523
6.975		1307	1101

IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082

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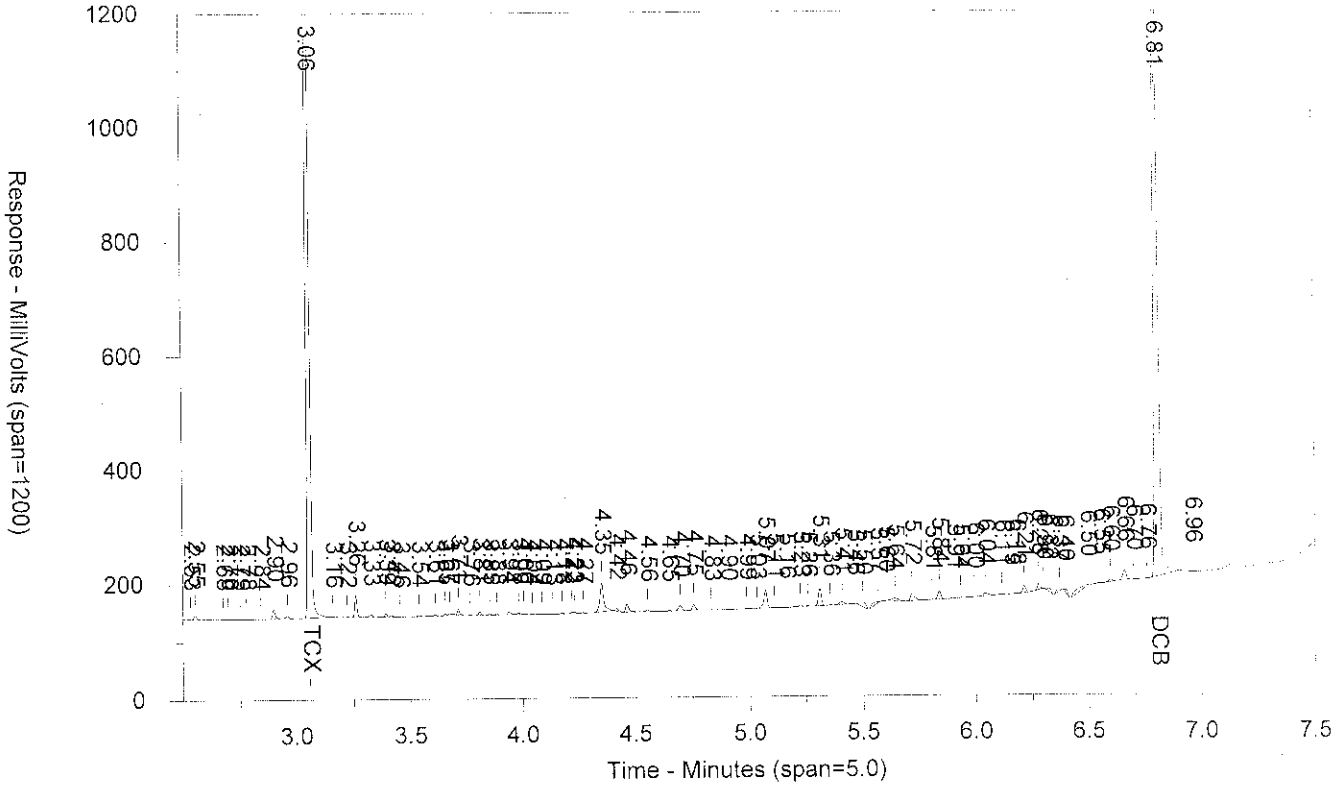

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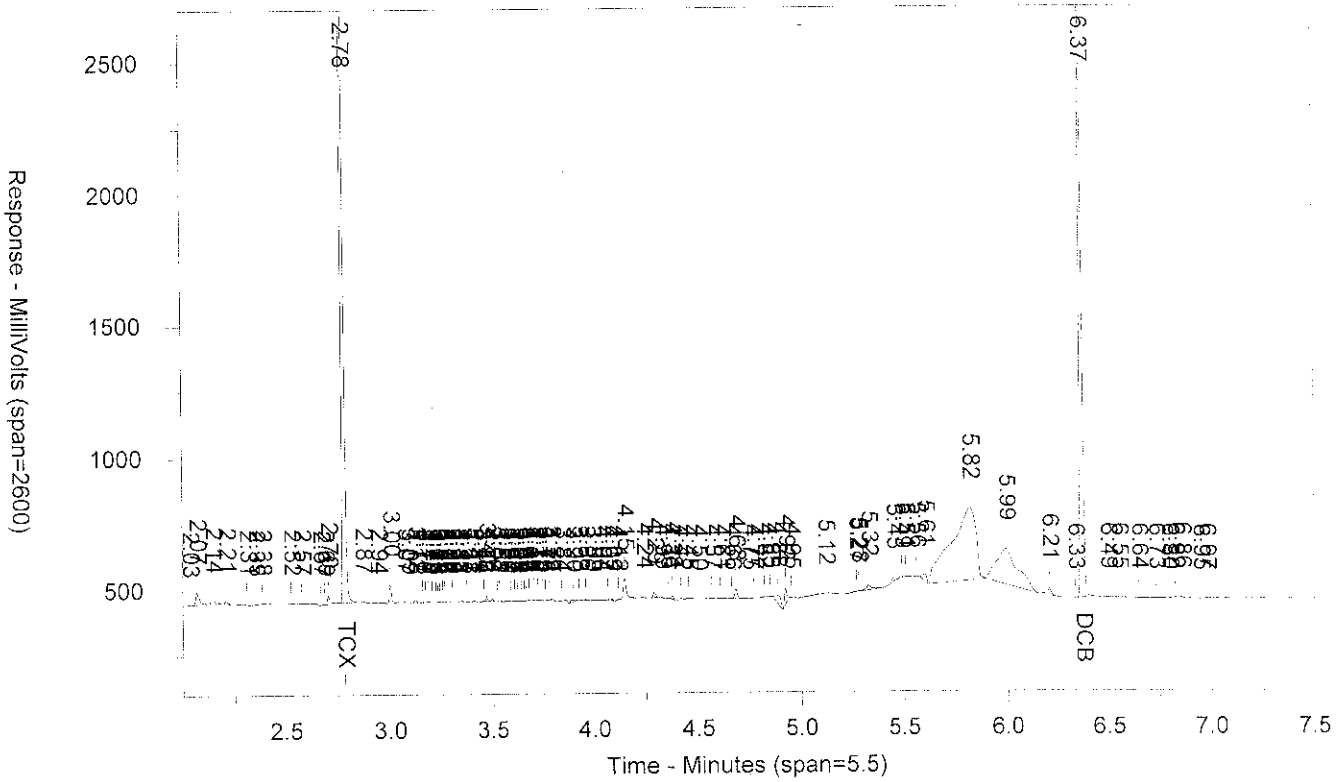

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 3:47:59 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.059	2929586	.213	TCX	2.781	5123099	.21	TCX
6.808	1738710	.207	DCB	6.37	2347393	.204	DCB

Files:
Area File: 25pcbs17309003.047.RAW
Area File: 25pcbs17309003B.047.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 4:20:22 AM
File Reported On: 11/14/2017 at 4:21:54 AM

IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082

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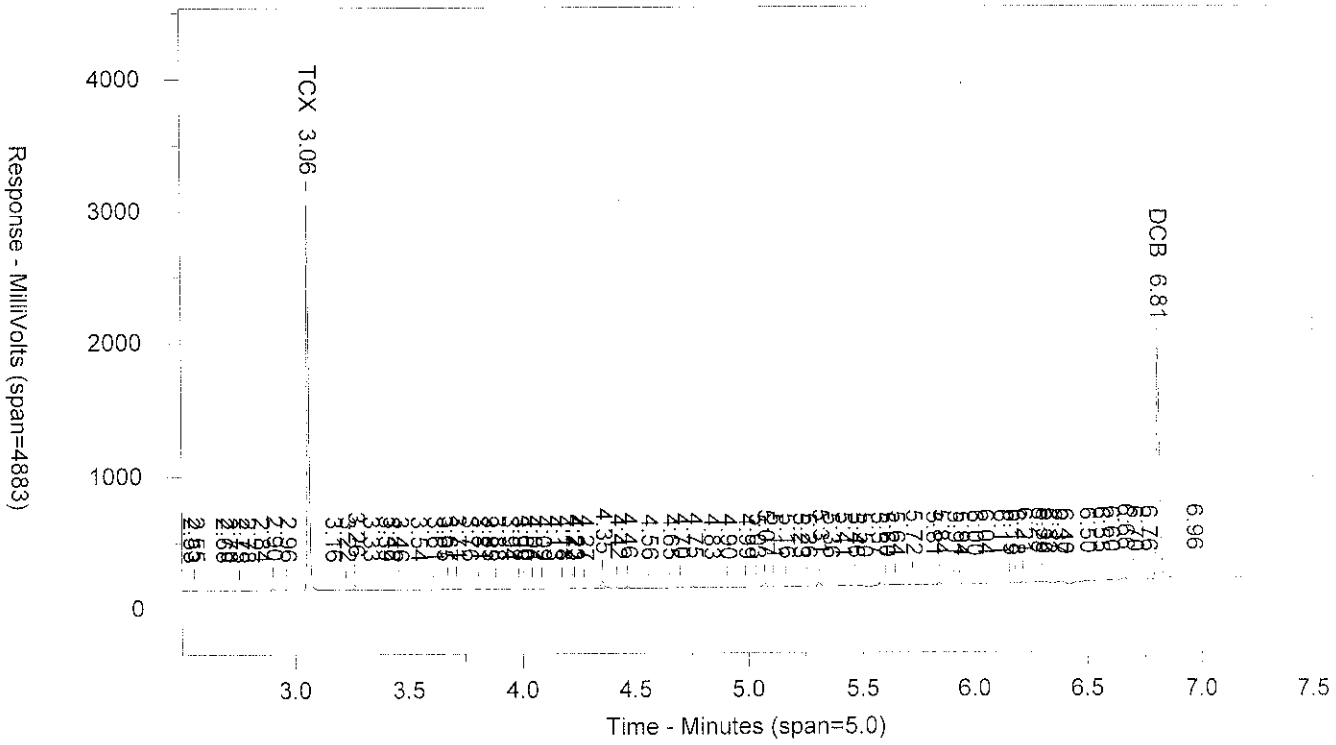

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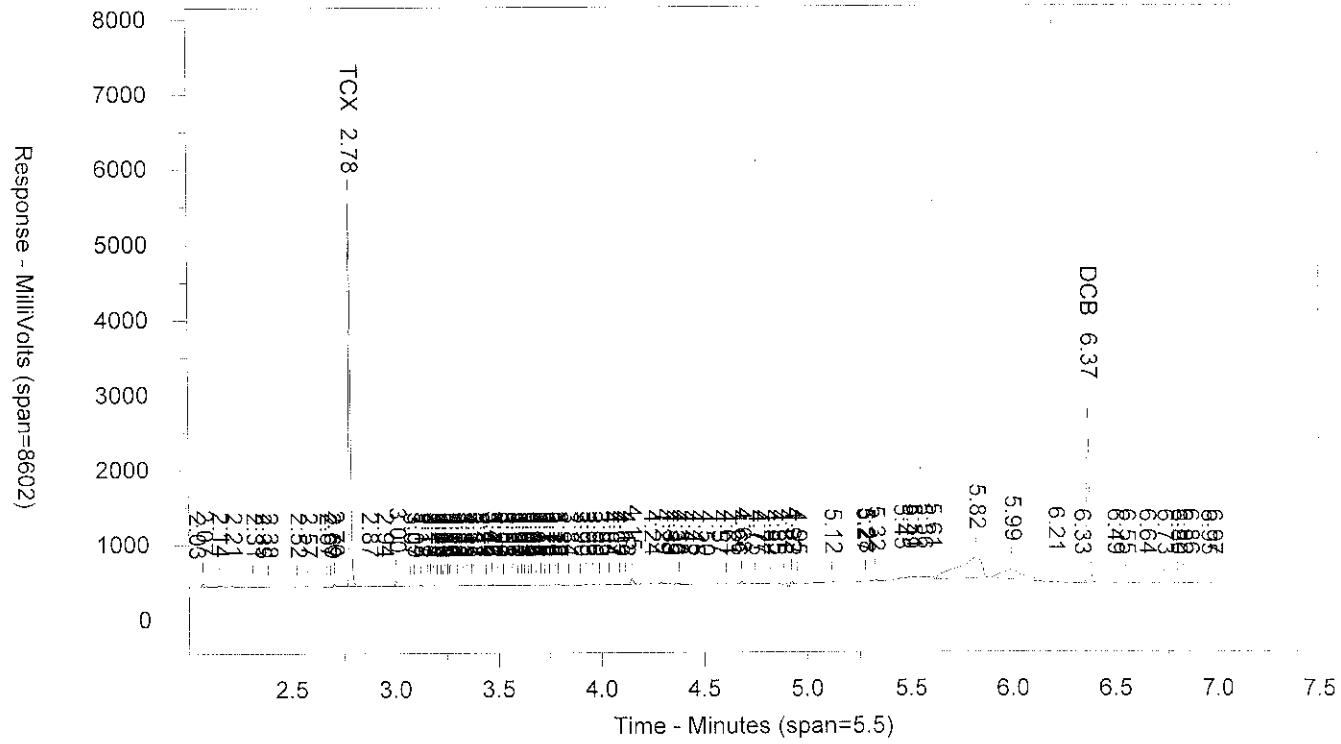

IBLKX1724B MCPIBLKMC PIBLK1731699999 10225 SW-846 8082

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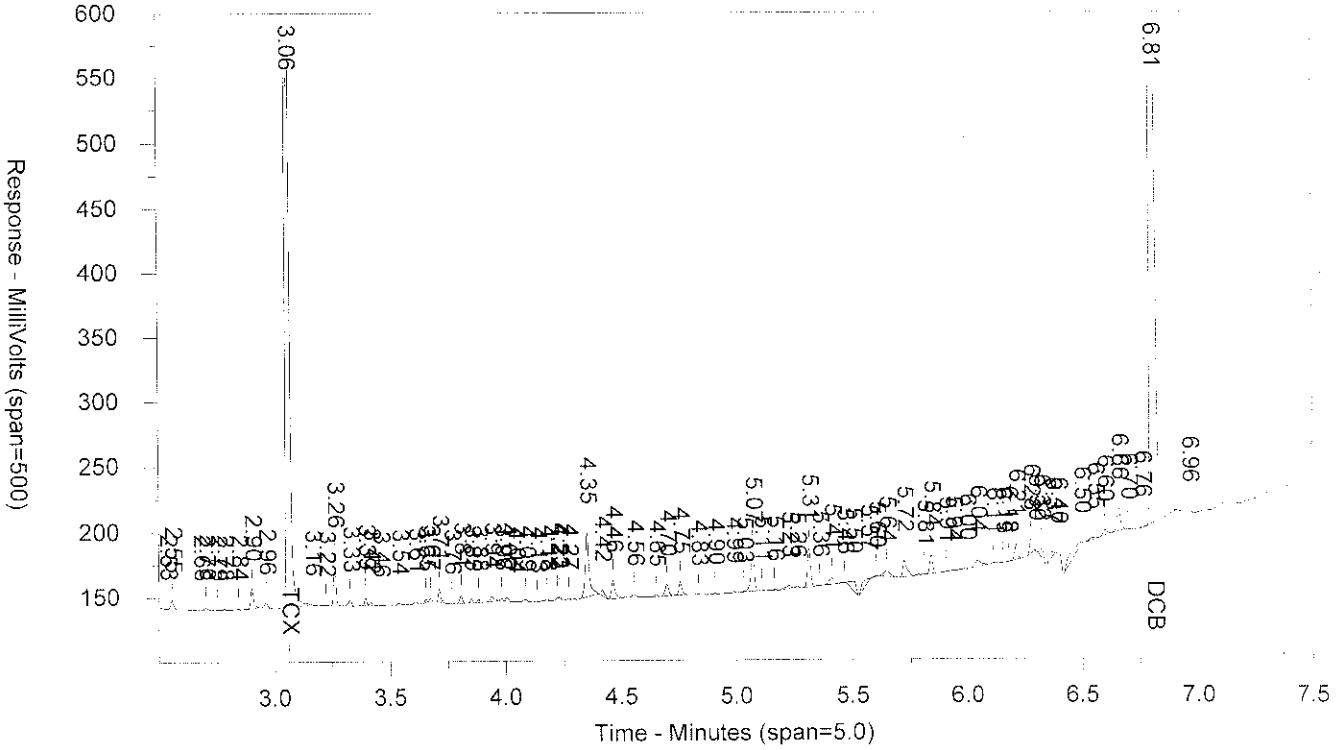

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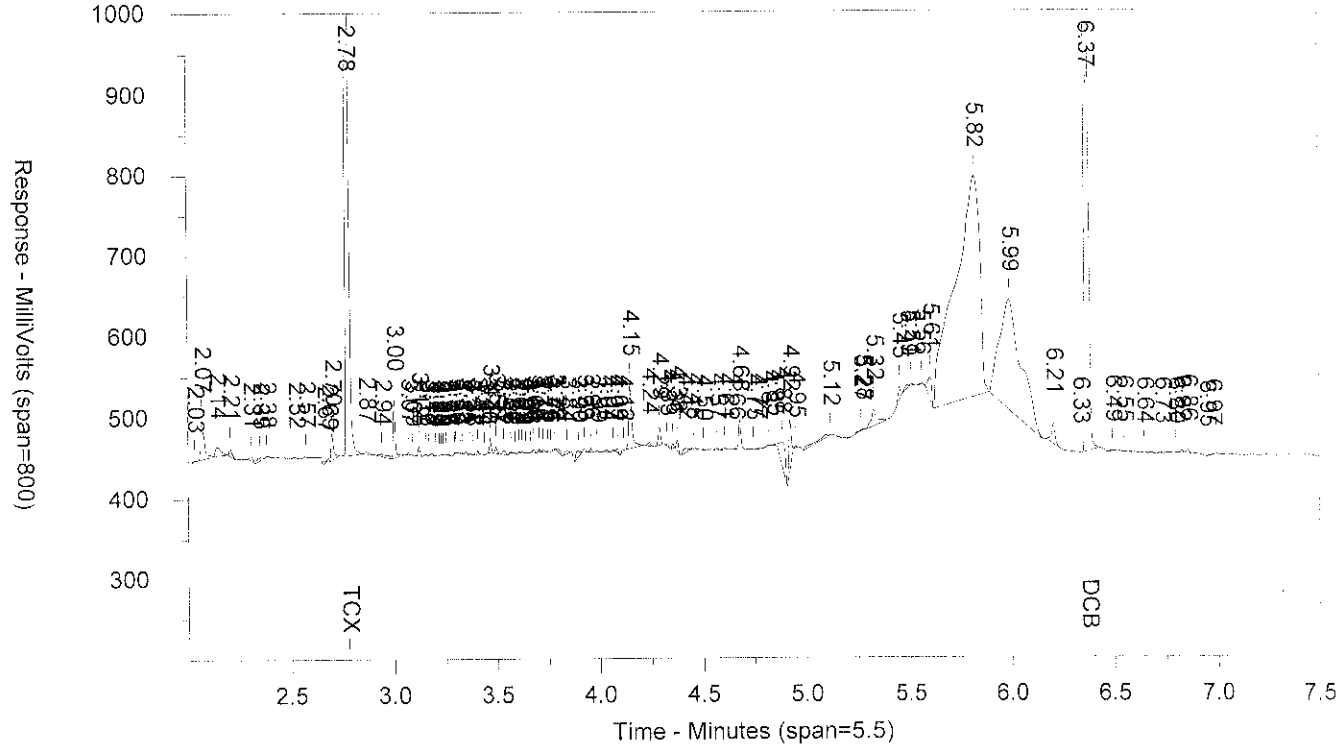

LANCASTER LABORATORIES

Sample Number: AR1641724B WVAR164WV .CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:45:08 AM 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: 25pcbs17309003.068.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.029		1069	859
2.098		7001	6783
2.171		741	1217
2.221		8478	15926
2.27		368	443
2.323		839	628
2.348		25203	21183
2.437		22587	14437
2.46		9489	7012
2.499		1308	1510
2.555		5446	4965
2.677		500	288
2.699		23845	21942
2.785		698	500
2.838		436	481
2.9		21477	19776
2.962		1983	1299
2.976		1007	500
3.06	TCX	5780658	3815687
3.145		2336	1275
3.162		1700	885
3.212		129815	114638
3.268		126195	118457
3.318		479706	344170
3.395		7864	4014
3.414		84223	57618
3.452		1928	1181
3.489		772	786
3.536		471766	283102
3.553		216862	118974
3.591		55757	30223
3.608		47101	23294
3.623		23876	11415
3.654		584532	423279
3.69		2438	1144
3.712		16462	9825
3.729		76112	48596
3.765		115884	67284
3.781		60220	30598
3.827		260167	145150
3.839		449181	251413
3.879		601977	482715
3.941		518277	402562
3.982		51282	34926
4.008		329314	249104
4.044		302918	508852
4.139		361839	263781
4.164		121895	83662
4.196		159048	116687
4.232		380201	433470
4.274		124370	104411
4.305		2544	1228
4.321		14952	9586
4.357		76622	65702

RT A	Compound A	Height A	Area A
4.396		351659	300041
4.418		114536	71277
4.442		98882	73323
4.465		4581	2792
4.512		53254	46718
4.556		378874	355300
4.592		14391	9852
4.653		15764	13957
4.697		224512	216545
4.756		60585	42088
4.771		77225	52057
4.818		224550	203275
4.866		329267	373004
4.904		93731	71473
4.945		728069	671392
4.988		44122	40028
5.037		132462	135689
5.072		76949	59037
5.094		112241	90085
5.147		697464	548286
5.165		100343	65705
5.199		186379	164596
5.24		415952	459391
5.283		6673	3636
5.317		132735	160601
5.355		938097	877538
5.377		45609	22108
5.394		14602	6064
5.418		497565	435992
5.461		326041	304378
5.56		53285	55754
5.582		513471	437744
5.64		296660	256858
5.68		160433	148334
5.721		60758	55156
5.764		208567	193610
5.819		1329431	1196732
5.842		17729	12001
5.909		1648	2233
5.96		671	865
6.027		824413	813420
6.069		39932	73073
6.08		81667	62380
6.214		40252	38707
6.276		33554	27274
6.3		157161	136723
6.376		501	224
6.41		736	770
6.457		387298	376951
6.502		27306	24684
6.553		349	254
6.601		1245	2166
6.627		635	362
6.661		134765	132870
6.759		1293	1675
6.81	DCB	3146983	3172664

LANCASTER LABORATORIES

Sample Number: AR1641724B WVAR164WV CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:45:08 AM 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: 25pcbs17309003B.068.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.027		1518	1215
2.076		50412	77963
2.151		15962	32093
2.207		19577	18573
2.306		6598	8579
2.358		2980	5487
2.393		2382	2852
2.429		2310	2275
2.462		36196	36175
2.545		1019	712
2.638		3599	5936
2.686		5878	3258
2.703		43934	33384
2.735		2638	2383
2.78	TCX	10387770	6390788
2.824		111469	91594
2.866		7646	6544
2.953		254283	194839
3.003		66004	30316
3.014		118209	58290
3.068		820803	527980
3.108		604	94
3.121		20833	11992
3.143		974	128
3.15		792	295
3.182		150194	104698
3.211		754	252
3.219		871	213
3.229		510	135
3.242		1629	820
3.278		668056	340070
3.29		229419	90368
3.331		117541	73307
3.354		119975	72268
3.38		70586	40815
3.404		924778	665846
3.441		129720	81801
3.47		32061	15686
3.487		199038	107895
3.503		121268	60669
3.529		1018	480
3.554		561314	252343
3.565		886962	411382
3.586		41445	15983
3.6		850624	618020
3.677		932222	602745
3.71		579402	354093
3.735		795152	469305
3.754		180764	87154
3.773		37079	22193
3.845		691180	494112
3.87		254927	151559
3.893		262834	170437
3.926		253232	142495

RT B	Compound B	Height B	Area B
3.943		536145	324019
3.987		222745	168749
4.036		144986	142662
4.059		121646	80975
4.082		723317	494793
4.109		151845	94957
4.131		19810	8928
4.148		131228	91983
4.186		556191	416030
4.224		33462	23661
4.241		93692	61459
4.29		19207	12370
4.312		5952	2979
4.331		281593	253946
4.378		54726	33805
4.402		145373	107972
4.449		139566	79835
4.466		107226	53245
4.479		355696	211586
4.507		223769	240230
4.562		1218968	979718
4.606		77251	62381
4.634		123969	87473
4.66		258420	183382
4.682		54311	28530
4.704		1308620	1010488
4.814		1142574	1086247
4.872		146712	134268
4.91		287078	278302
4.948		1324944	1105063
4.981		604576	460231
5.022		445060	364216
5.091		4606	4547
5.126		162696	175196
5.178		852094	689506
5.203		119706	80066
5.254		456151	415463
5.289		208505	164860
5.316		140368	134880
5.349		53928	32228
5.37		1940566	1563232
5.412		42690	31583
5.448		112473	98200
5.563		21685	13879
5.586		387584	328847
5.631		1291365	1365203
5.747		1343	928
5.788		50519	44738
5.828		37912	28604
5.855		48741	38880
5.903		235808	206727
6.007		502756	432592
6.039		31796	23293
6.163		1834	973
6.208		173616	149293
6.242		2227	2289
6.289		879	609
6.328		1826	878
6.371	DCB	4274426	3795363
6.528		1434	752
6.546		2063	1370
6.586		1255	1405
6.658		1132	1144
6.725		1033	410
6.761		1413	1106
6.778		1520	812

RT B	Compound B	Height B	Area B
6.802		967	436
6.827		4552	3586
6.858		4367	3231
6.932		1122	829

AR1641724B WVAR164WV CCAL 1731699999 10225 SW-846 8082

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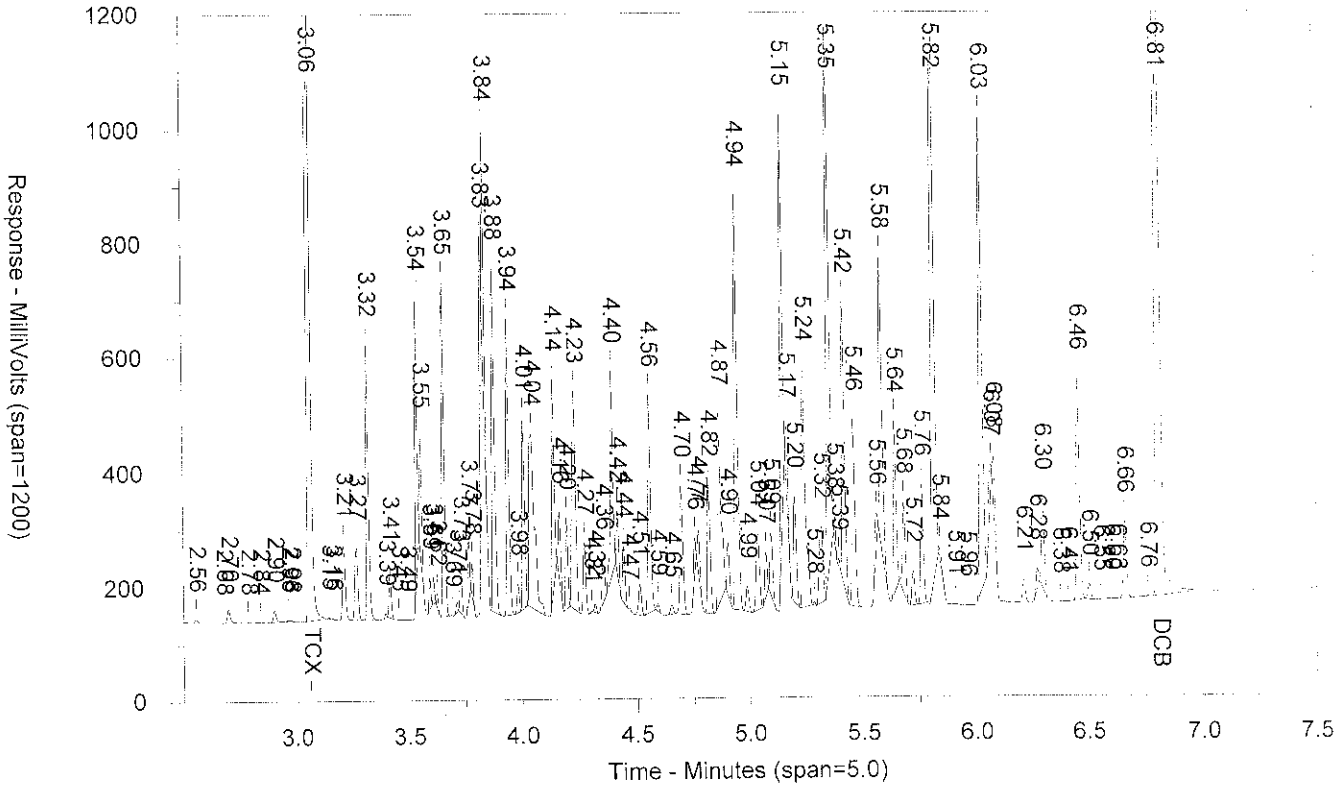

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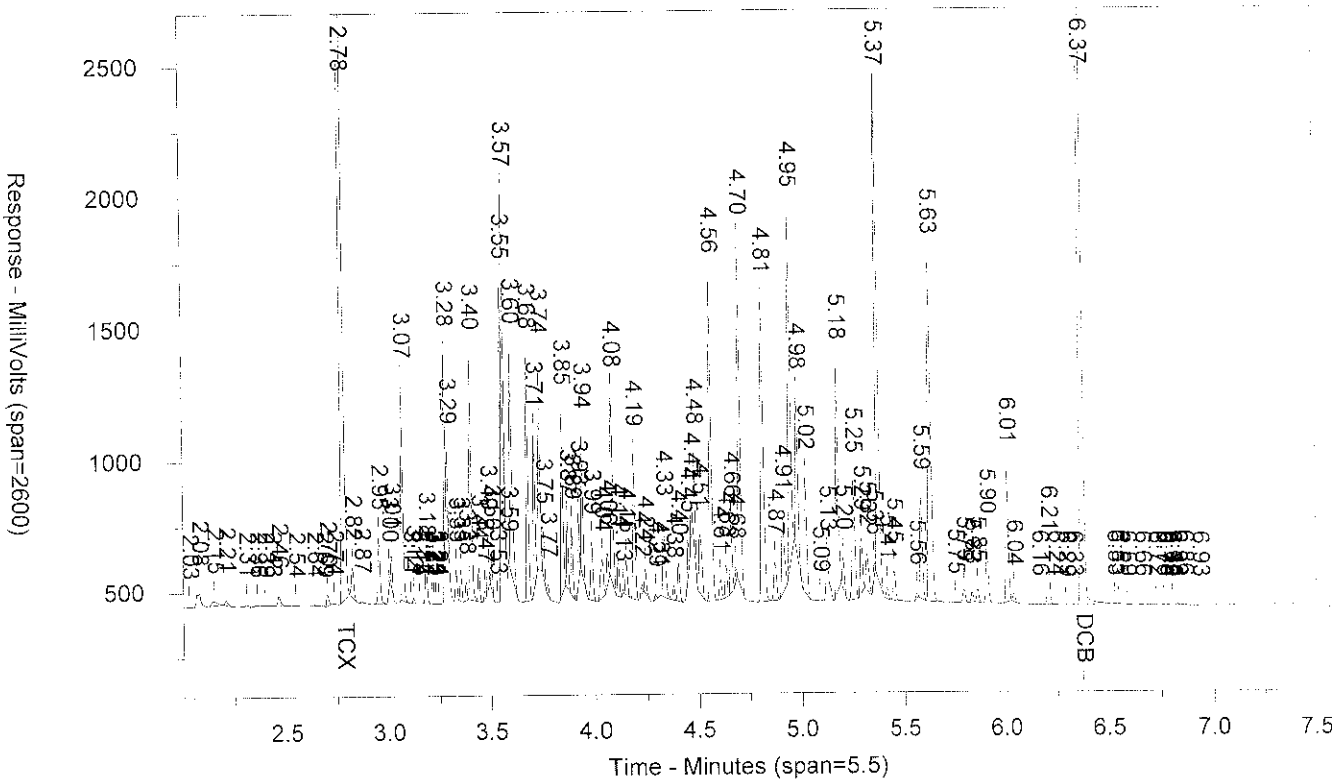

LANCASTER LABORATORIES

Sample Number: AR1641724B WVAR164WV CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:45:08 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	5780658	41.935	TCX	2.78	10387770	42.611	TCX
6.81	3146983	37.483	DCB	6.371	4274426	37.214	DCB

Files:
Area File: 25pcbs17309003.068.RAW
Area File: 25pcbs17309003B.068.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 7:53:39 AM
File Reported On: 11/14/2017 at 7:53:48 AM

AR1641724B WVAR164WV CCAL 1731699999 10225 SW-846 8082

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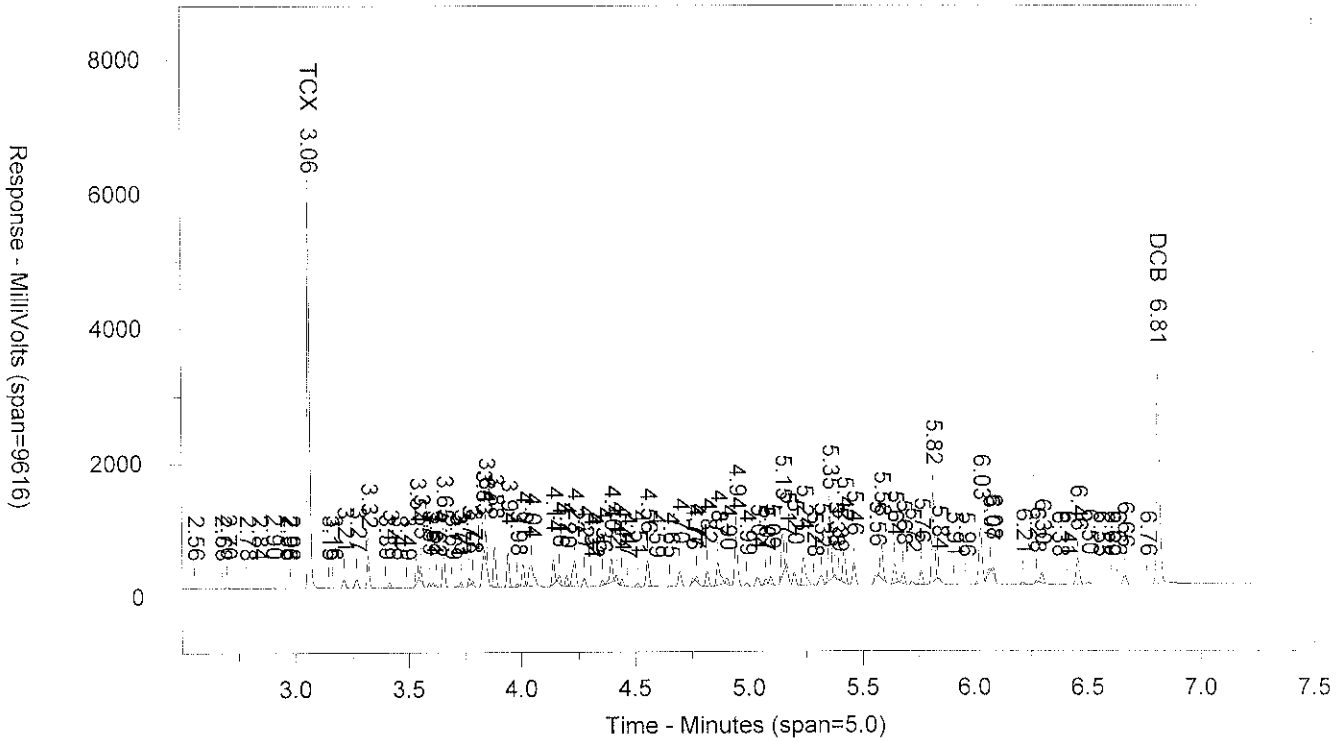

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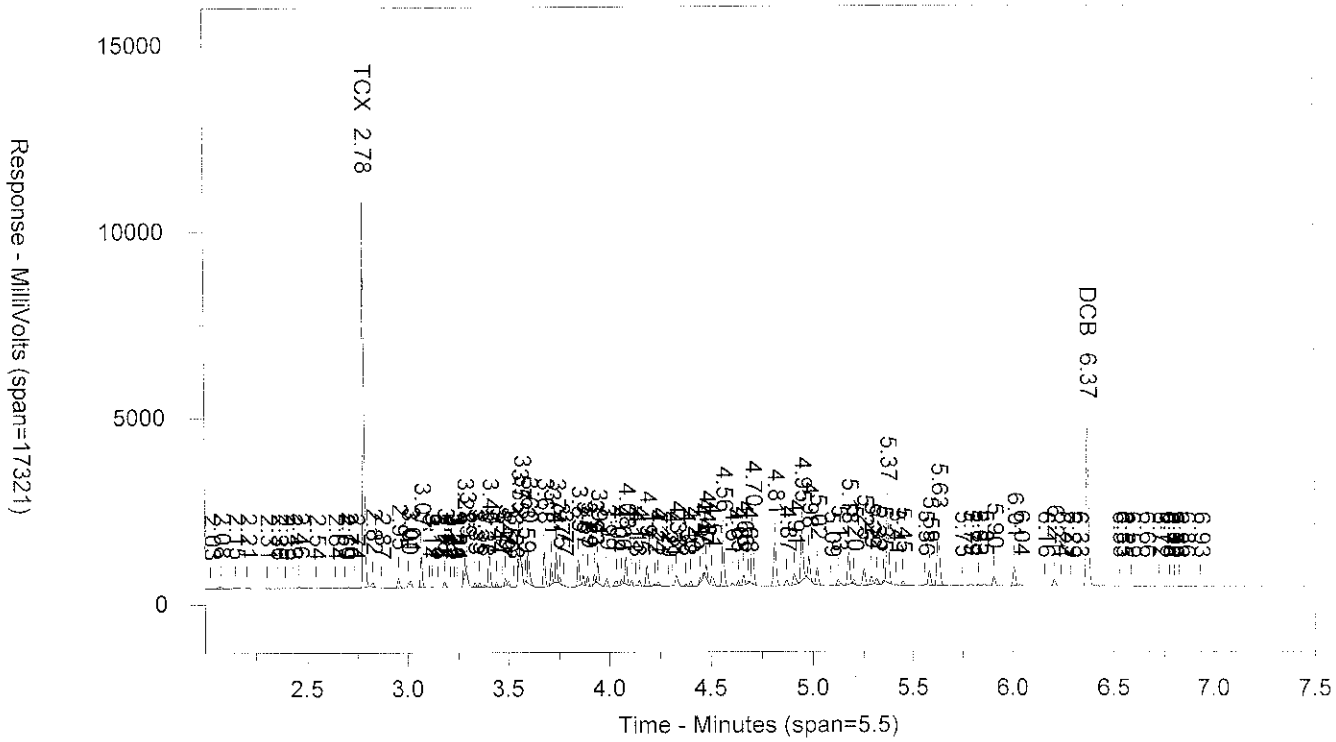

AR1641724B WVAR164WV CCAL 1731699999 10225 SW-846 8082

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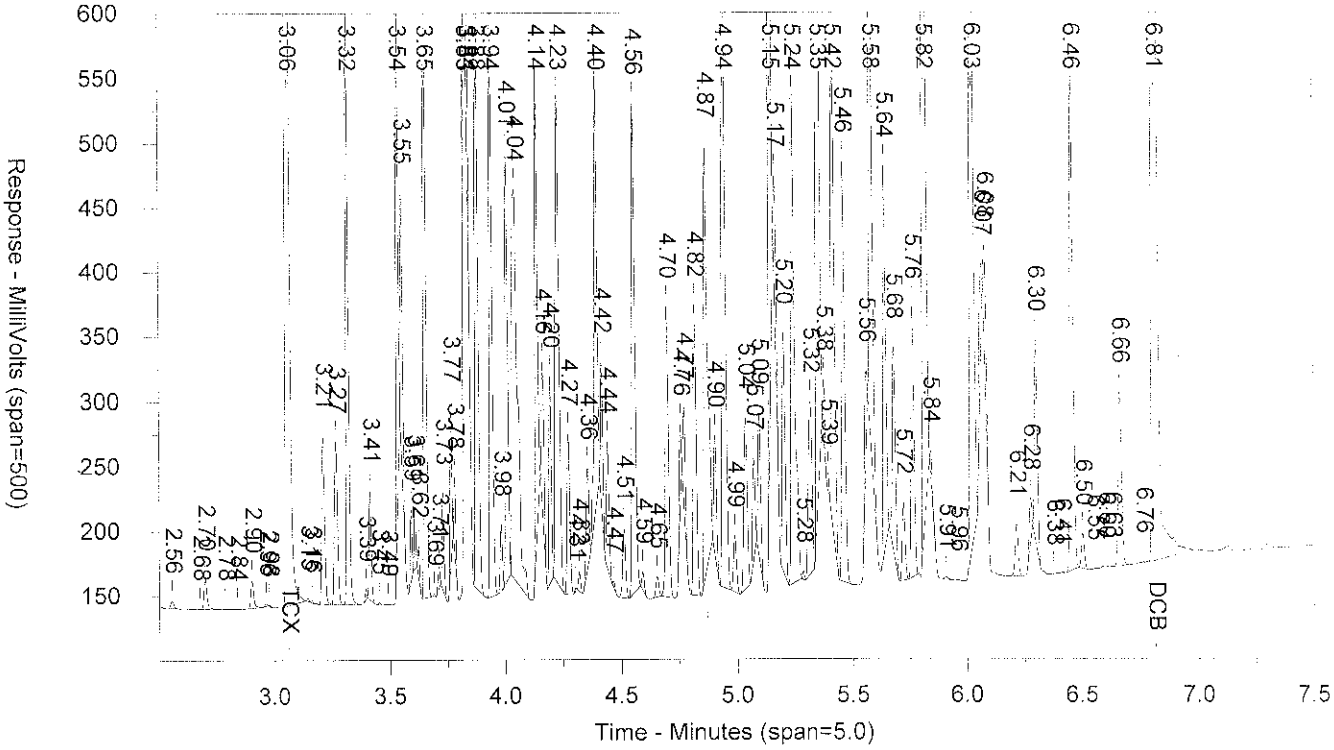

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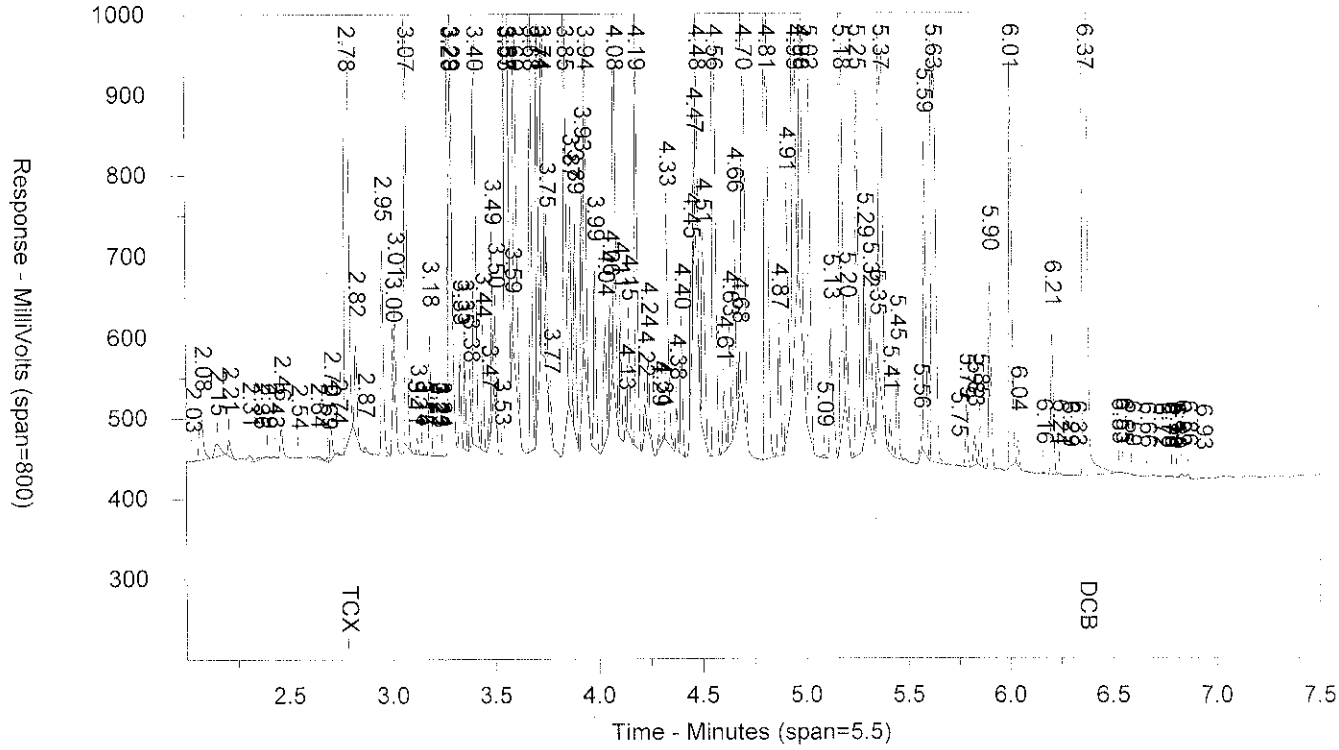

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:56:26 AM 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: 25pcbs17309003.069.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.003		321	207
2.028		1387	1364
2.099		9583	9121
2.167		746	1427
2.217		5501	10632
2.285		2156	3879
2.327		891	532
2.348		13300	11177
2.438		23496	15266
2.46		4762	3346
2.508		1294	2026
2.553		6339	5405
2.674		881	591
2.702		1592	1304
2.753		398	227
2.783		824	455
2.9		12576	9867
2.961		4300	3949
3.016		459	197
3.06	TCX	2809949	1895703
3.143		850	425
3.163		847	441
3.262		36440	25227
3.329		4725	4569
3.395		5584	3576
3.416		3031	2381
3.494		330	244
3.536		1607	1654
3.572		406	386
3.607		2034	2559
3.654		2767	1796
3.675		2761	2793
3.712		11382	8182
3.765		800	561
3.808		3771	2992
3.884		2522	2577
3.94		4641	5027
3.984		1846	1246
4.007		3022	2600
4.047		899	798
4.088		1856	2918
4.18		1546	1751
4.232		3324	4576
4.273		1477	1418
4.354		47873	58722
4.426		19233	18196
4.466		12248	11514
4.555		2916	4008
4.649		3207	3266
4.699		8988	9974
4.756		9367	9171
4.907		1519	1881
4.986		1459	1628
5.037		435	299

RT A	Compound A	Height A	Area A
5.07		33541	39257
5.148		294	210
5.167		711	428
5.227		1869	3302
5.258		1746	1322
5.312		27843	27402
5.369		462	531
5.41		4494	6130
5.51		511	436
5.602		636	2642
5.644		4236	8771
5.721		11651	14979
5.843		13490	13046
5.907		635	564
5.936		530	391
5.975		848	770
6.045		3298	6291
6.182		464	509
6.214		10370	10428
6.28		8351	6845
6.301		2210	1340
6.328		1942	2206
6.371		398	350
6.493		1052	7892
6.53		592	446
6.569		597	667
6.601		2322	3198
6.661		15246	14800
6.7		902	378
6.743		406	331
6.766		1305	1515
6.81	DCB	1576505	1646373
6.982		453	437

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:56:26 AM 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: 25pcbs17309003B.069.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.04		1138	796
2.067		49781	59492
2.147		9487	17867
2.208		9701	9052
2.265		1414	1122
2.307		7459	9981
2.36		3451	7686
2.57		2472	2560
2.667		4133	2230
2.686		4005	2589
2.703		25051	27018
2.781	TCX	5083835	3164923
2.87		3626	5173
2.946		2292	5512
3.003		69326	47601
3.07		2243	1209
3.084		678	75
3.107		374	178
3.121		10457	6030
3.138		759	224
3.148		775	483
3.183		4206	2481
3.209		807	234
3.216		989	480
3.229		1076	242
3.237		1056	172
3.243		862	302
3.257		795	156
3.267		1052	397
3.296		1706	1220
3.302		1318	196
3.323		479	161
3.331		670	156
3.351		3044	1758
3.371		698	221
3.376		928	256
3.39		1161	506
3.407		4448	2483
3.436		372	67
3.454		1449	587
3.47		22167	12906
3.498		7901	5364
3.517		919	187
3.525		871	399
3.545		2199	1497
3.569		2306	1682
3.589		914	321
3.609		2458	2075
3.626		926	402
3.641		792	298
3.655		844	340
3.678		5422	3666
3.702		872	256
3.724		3675	2492

RT B	Compound B	Height B	Area B
3.748		1212	488
3.779		2485	1685
3.796		3425	4722
3.837		4690	10782
3.896		2492	2897
3.938		32200	23273
3.957		2943	1687
3.989		2096	1210
4.014		1125	301
4.067		3230	2292
4.087		6818	4063
4.118		1442	1222
4.147		81802	90185
4.241		5096	3441
4.292		22876	18426
4.332		3122	1693
4.357		4623	2975
4.378		12061	7469
4.411		2821	3218
4.448		1206	612
4.47		16779	13730
4.51		871	401
4.567		2384	2232
4.606		2230	1991
4.662		1589	663
4.682		33657	28632
4.815		3401	6172
4.874		1229	780
4.923		41298	35669
5.001		2738	2736
5.051		1335	1453
5.088		2365	3001
5.179		2071	4600
5.247		2271	3565
5.325		14706	15022
5.448		17853	15569
5.602		2240	2579
5.64		1586	1380
5.709		525	225
5.787		14013	13086
5.853		17535	16011
5.905		15696	62693
6.047		867	337
6.146		1088	995
6.208		21005	19413
6.293		1069	824
6.338		736	318
6.372	DCB	2225548	2023823
6.703		867	327
6.727		1040	790
6.771		1076	956
6.827		3114	2243
6.858		3729	2725
6.948		1146	523
6.975		1022	483

IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082

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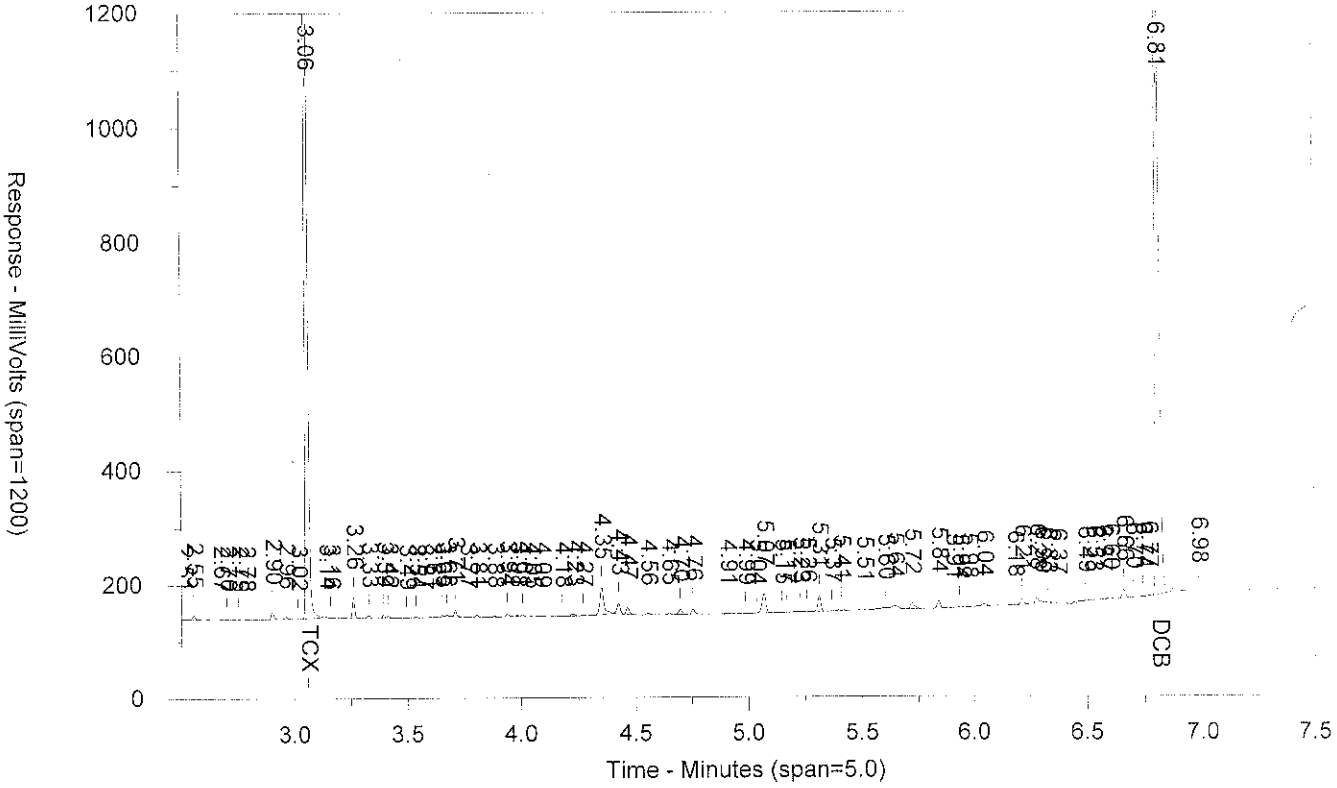

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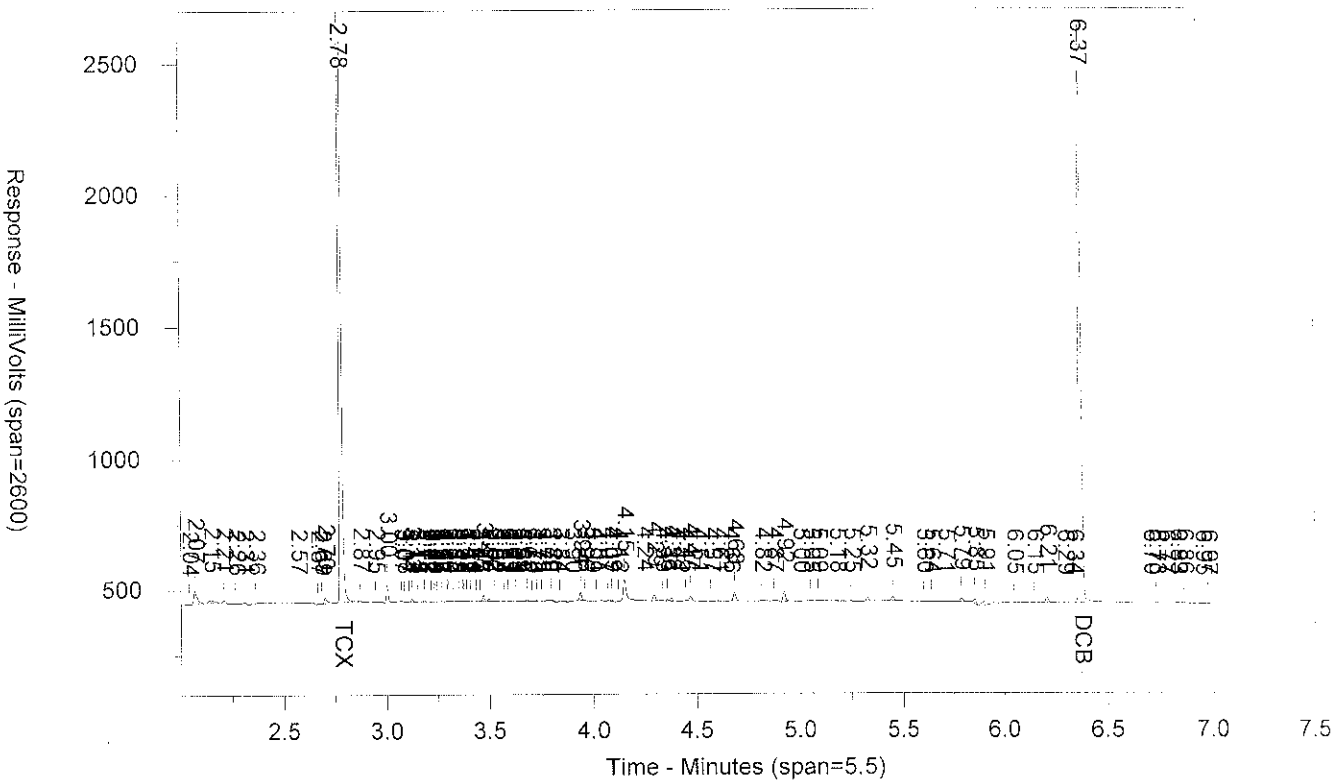

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 7:56:26 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	2809949	.204	TCX	2.781	5083835	.209	TCX
6.81	1576505	.188	DCB	6.372	2225548	.194	DCB

Files:
Area File: 25pcbs17309003.069.RAW
Area File: 25pcbs17309003B.069.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 8:04:58 AM
File Reported On: 11/14/2017 at 8:05:09 AM

IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082

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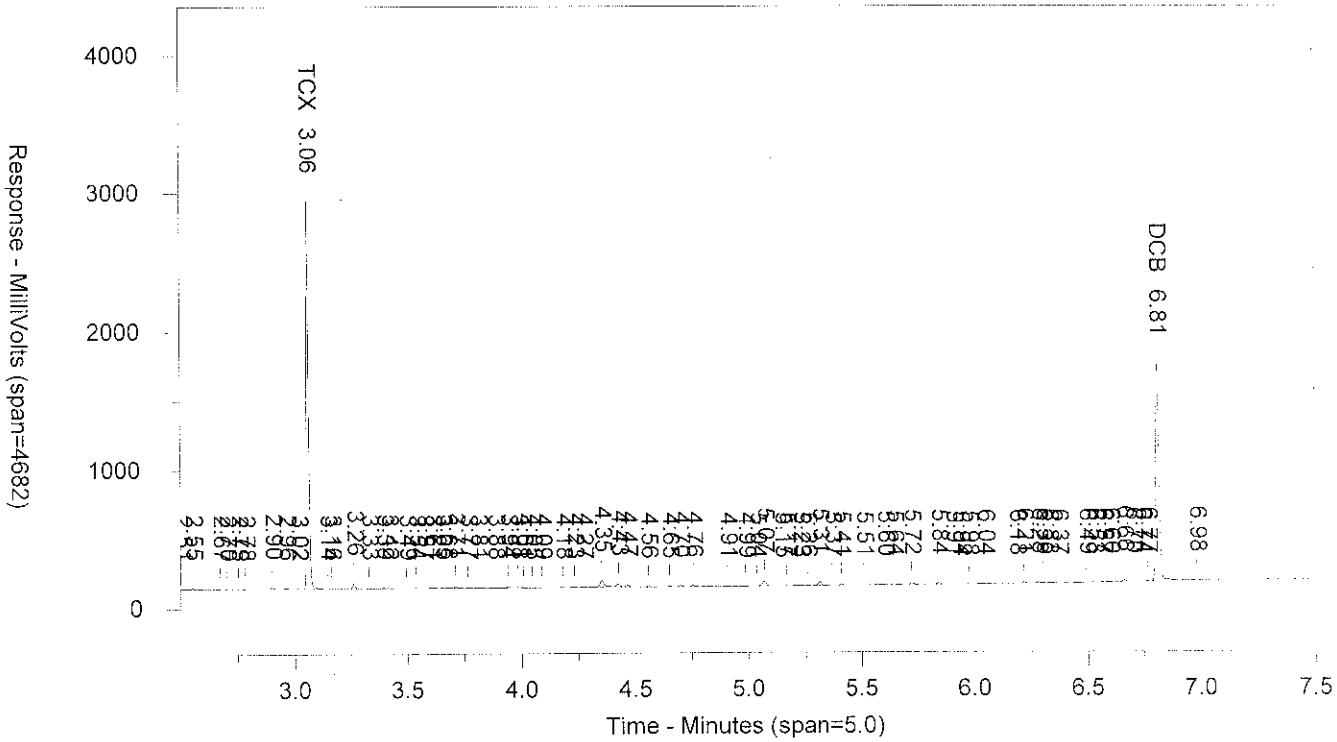

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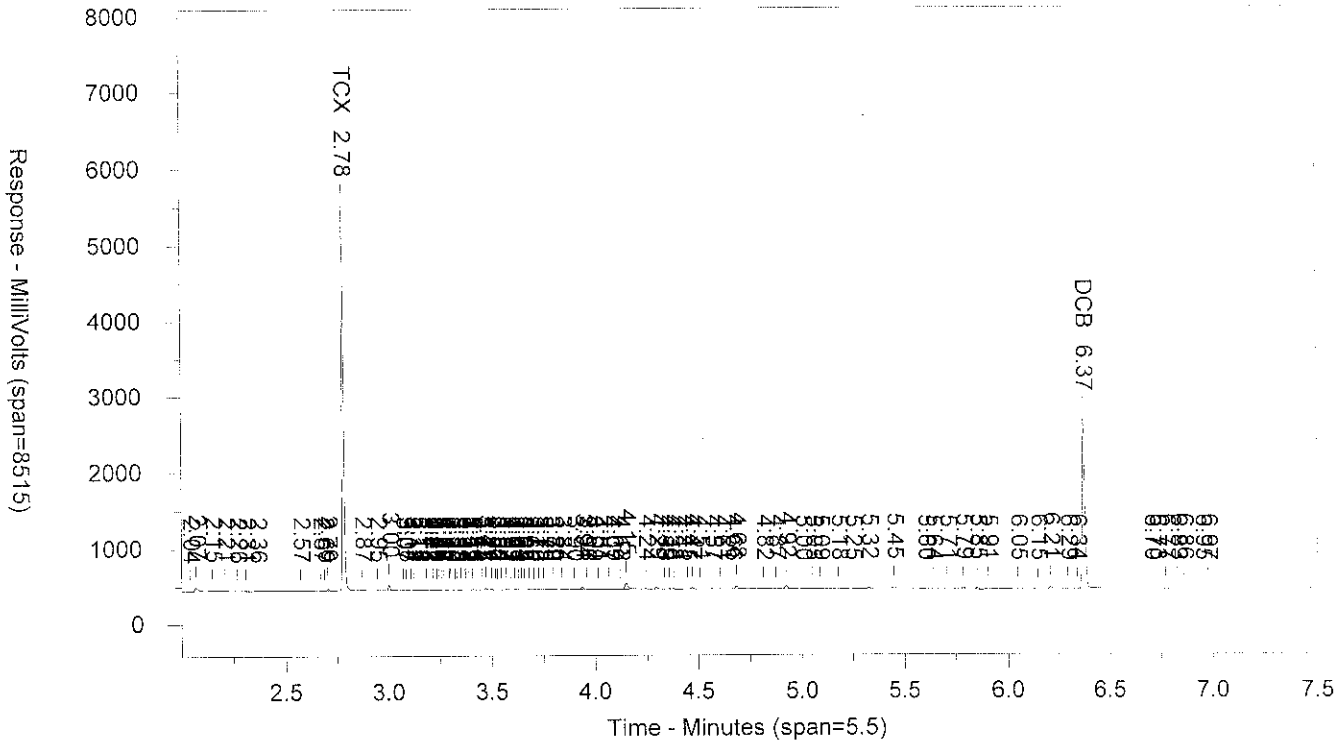

IBLKX1724B MDPIBLKMD PIBLK1731699999 10225 SW-846 8082

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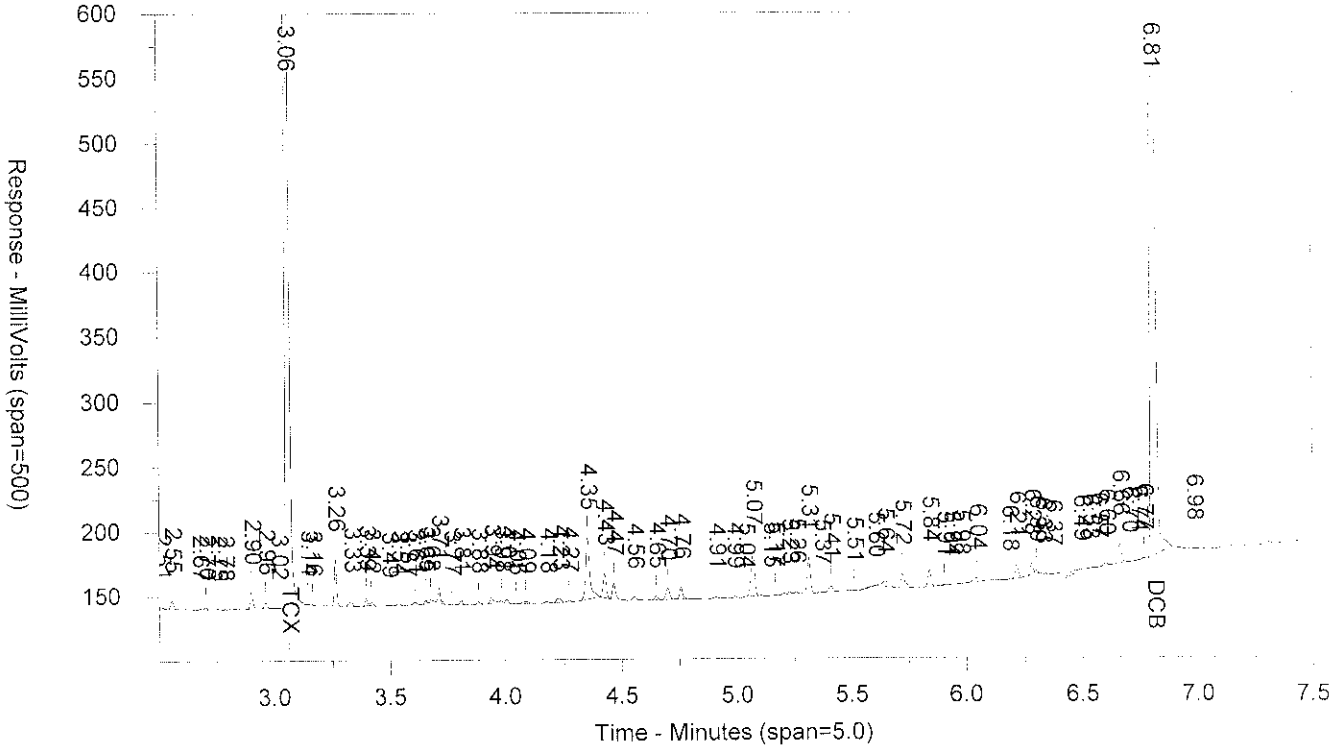

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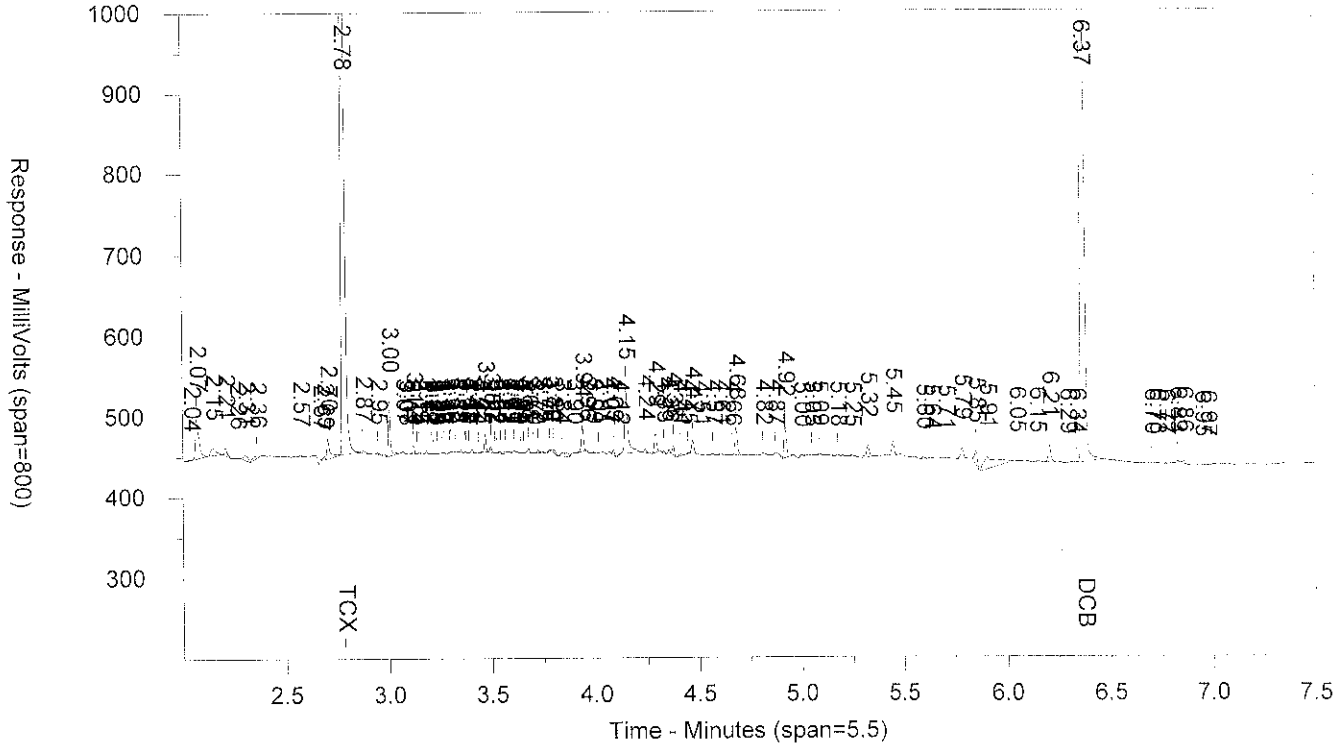

LANCASTER LABORATORIES

Sample Number: AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:41:24 AM 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: 25pcbs17309003.073.RAW.
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.03		799	676
2.099		10411	9849
2.166		1079	1537
2.218		5836	10417
2.284		2126	3687
2.325		646	459
2.349		25270	21447
2.438		21977	13899
2.46		9767	7122
2.499		1422	1585
2.555		8081	7220
2.676		578	343
2.699		25362	21834
2.784		724	656
2.837		424	396
2.901		14561	11960
2.96		4826	5893
3.06	TCX	5755350	3923012
3.162		1887	1119
3.18		729	394
3.212		129261	114326
3.269		123758	120894
3.318		488272	352508
3.396		7762	4042
3.414		87718	60630
3.454		2130	1444
3.487		565	495
3.537		472901	292284
3.554		225685	121899
3.592		56571	31058
3.609		45961	22950
3.624		25470	12497
3.655		589952	438127
3.69		2255	967
3.713		18257	10644
3.731		74792	47026
3.767		116211	67414
3.782		58025	30743
3.828		266467	147369
3.84		459321	255812
3.88		617126	497006
3.942		538088	417903
3.984		54131	36396
4.01		355531	259009
4.04		63481	49824
4.046		49212	19542
4.061		39549	18376
4.088		6162	2849
4.14		386415	276883
4.165		132767	88347
4.197		160467	120569
4.234		389726	448626
4.276		137874	108098
4.307		1846	973

RT A	Compound A	Height A	Area A
4.322		15139	10083
4.358		79060	66949
4.399		364420	297785
4.419		120617	71886
4.444		105276	78703
4.466		5142	3107
4.513		57570	48557
4.558		390006	374891
4.593		13829	9129
4.654		13996	12689
4.699		207652	202776
4.757		66206	44178
4.773		84097	57904
4.819		239058	217496
4.867		359159	404456
4.906		100574	76225
4.946		770559	725092
4.99		39780	36735
5.037		138188	145347
5.073		66576	51804
5.096		130219	106495
5.148		741129	598672
5.167		112912	70620
5.201		199482	179012
5.241		463795	503358
5.284		7016	3858
5.319		132330	162857
5.357		992923	973931
5.38		53820	25558
5.398		12065	4524
5.42		537035	481131
5.463		360430	338514
5.561		64825	65597
5.584		559841	480679
5.642		306663	286958
5.682		182759	165245
5.723		61779	56179
5.765		238199	219120
5.821		1544186	1583793
5.909		1657	1792
5.965		892	780
6.028		903948	917888
6.066		65279	69717
6.083		124171	91722
6.181		503	286
6.217		39714	37421
6.278		33593	27480
6.302		181640	157788
6.422		618	663
6.46		427737	426919
6.505		33228	28922
6.6		2180	3223
6.664		144868	149022
6.741		369	234
6.813	DCB	3308871	3505602

LANCASTER LABORATORIES

Sample Number: AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:41:24 AM 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: 25pcbs17309003B.073.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.078		51417	78131
2.145		9733	19702
2.207		20114	18946
2.304		6743	9136
2.36		3885	8341
2.396		2189	2072
2.429		1635	1363
2.462		38557	37295
2.571		1314	992
2.687		4914	2887
2.703		28500	21514
2.737		3359	2718
2.781	TCX	10454670	6561266
2.824		117743	98709
2.869		3348	3862
2.953		261016	194060
3.003		62617	30038
3.015		124685	60577
3.068		856680	558822
3.122		21615	11745
3.143		978	227
3.15		1053	213
3.183		158798	110211
3.218		613	214
3.232		645	77
3.243		2146	1112
3.26		999	422
3.279		682841	349219
3.291		237488	93741
3.332		120533	75494
3.354		116726	72528
3.381		73984	41882
3.405		957633	686101
3.442		126495	78504
3.471		34215	16396
3.488		201845	110585
3.504		113627	60548
3.533		2446	979
3.555		541701	248585
3.567		974064	442104
3.587		45360	17280
3.601		895849	636522
3.678		941548	626431
3.712		595262	367879
3.737		803454	474986
3.756		192929	93661
3.774		31898	18352
3.846		709484	516205
3.872		276190	160771
3.894		276255	176893
3.927		255546	146859
3.944		544212	339793
3.989		227399	175095
4.037		134725	134920

RT B	Compound B	Height B	Area B
4.06		127835	85176
4.084		766091	524735
4.111		158929	99738
4.132		20640	10037
4.15		131710	93405
4.188		591818	436282
4.226		33199	23326
4.244		96368	65623
4.292		17131	11498
4.313		6888	2785
4.333		252870	233449
4.379		42435	26435
4.403		156169	115829
4.45		143985	84595
4.467		117683	59816
4.481		385854	228576
4.509		241334	254111
4.563		1291476	1039206
4.608		69398	58444
4.636		133087	93733
4.662		273787	200010
4.684		40778	21203
4.705		1418446	1111994
4.816		1259634	1172903
4.874		154727	139912
4.912		312324	300574
4.95		1429497	1213937
4.984		625838	474770
5.024		494221	398732
5.094		3945	4425
5.128		176804	190411
5.18		929211	755987
5.205		128001	87092
5.255		496249	457954
5.29		236037	183850
5.317		162321	148277
5.351		53695	33663
5.372		2133842	1745389
5.413		47161	35116
5.449		110253	94314
5.487		2683	2318
5.564		24449	15418
5.587		433511	362916
5.632		1473695	1535933
5.789		48515	42281
5.829		40787	32443
5.857		39175	30971
5.906		262694	230424
6.008		573705	491770
6.041		36355	27628
6.164		2224	4338
6.21		190240	169160
6.373	DCB	4845823	4258439
6.55		2655	3145
6.767		1008	427
6.829		5014	4368
6.856		3060	2521
6.908		1371	597
6.975		1062	884

AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 808

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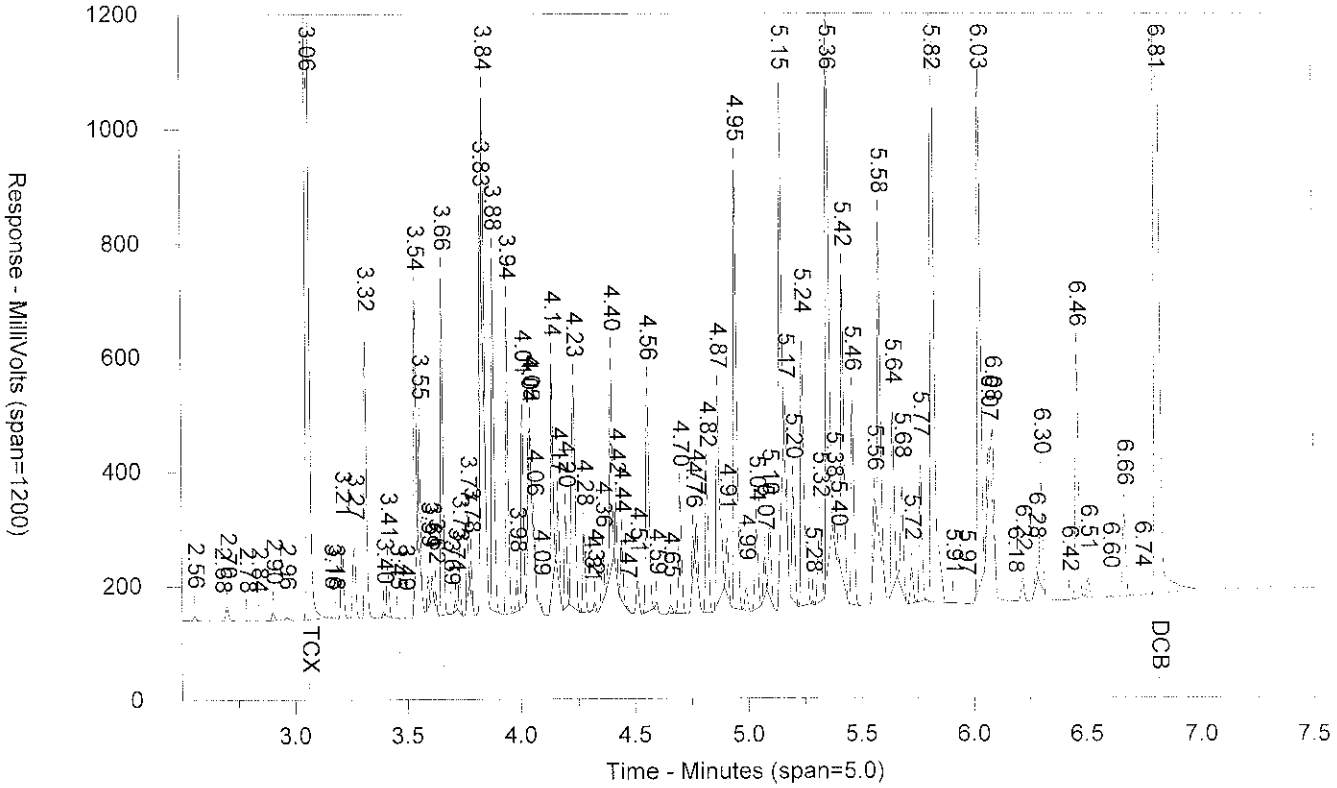

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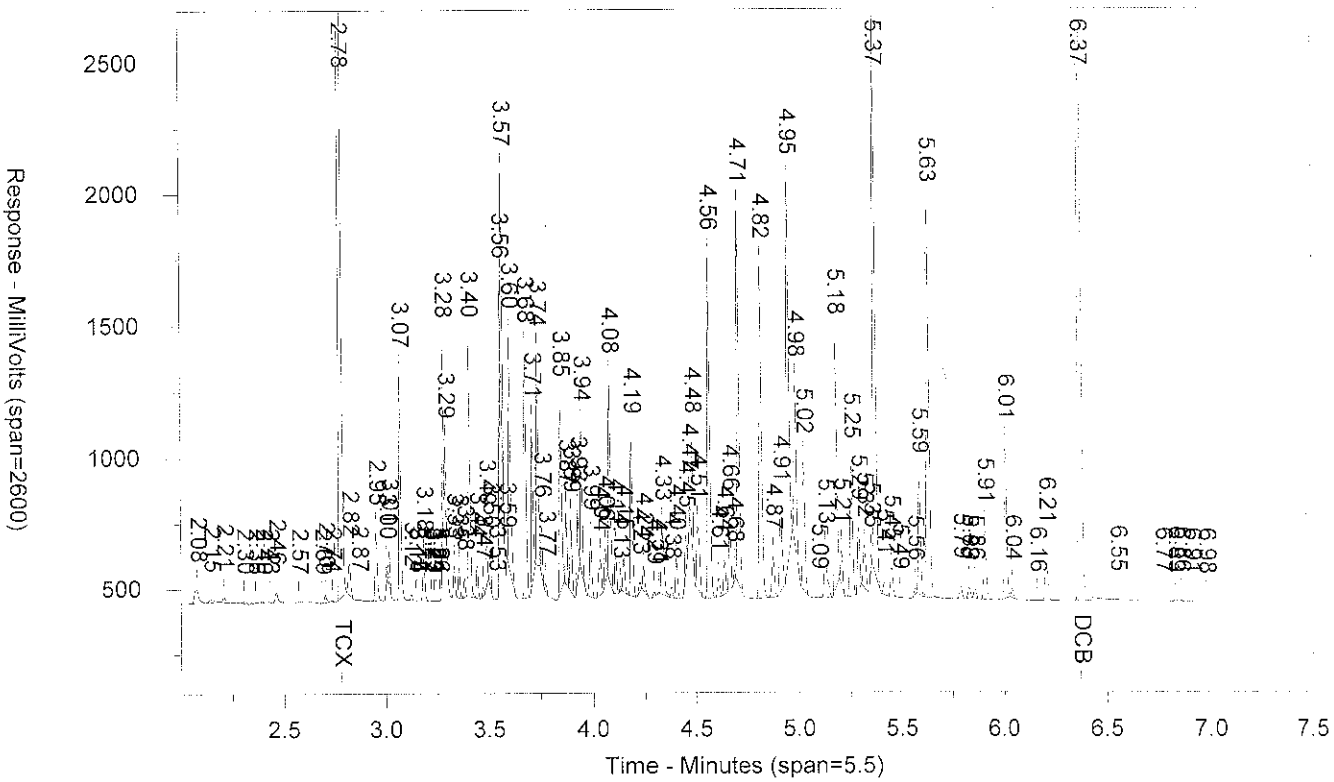

LANCASTER LABORATORIES

Sample Number: AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:41:24 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	5755350	41.752	TCX	2.781	10454670	42.885	TCX
6.813	3308871	39.411	DCB	6.373	4845823	42.189	DCB

Files:
Area File: 25pcbs17309003.073.RAW
Area File: 25pcbs17309003B.073.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 8:49:55 AM
File Reported On: 11/14/2017 at 8:50:07 AM

AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 808

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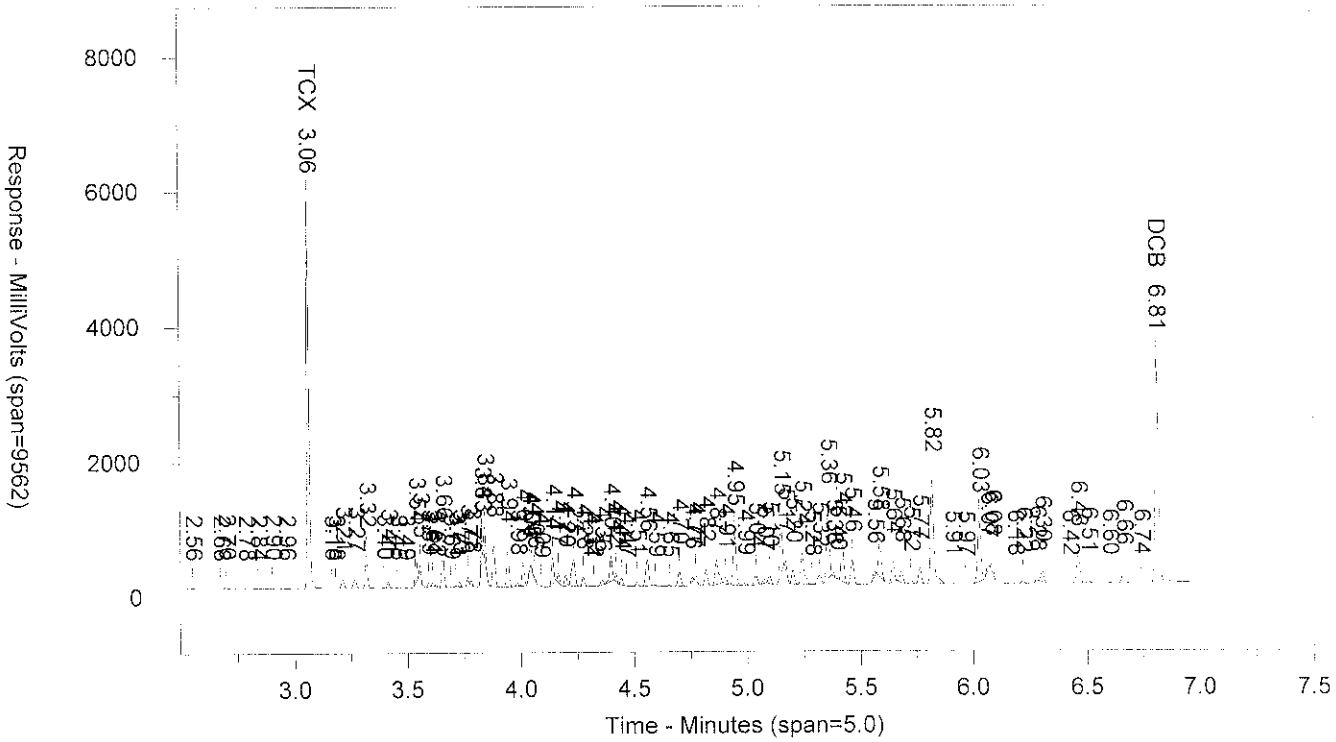

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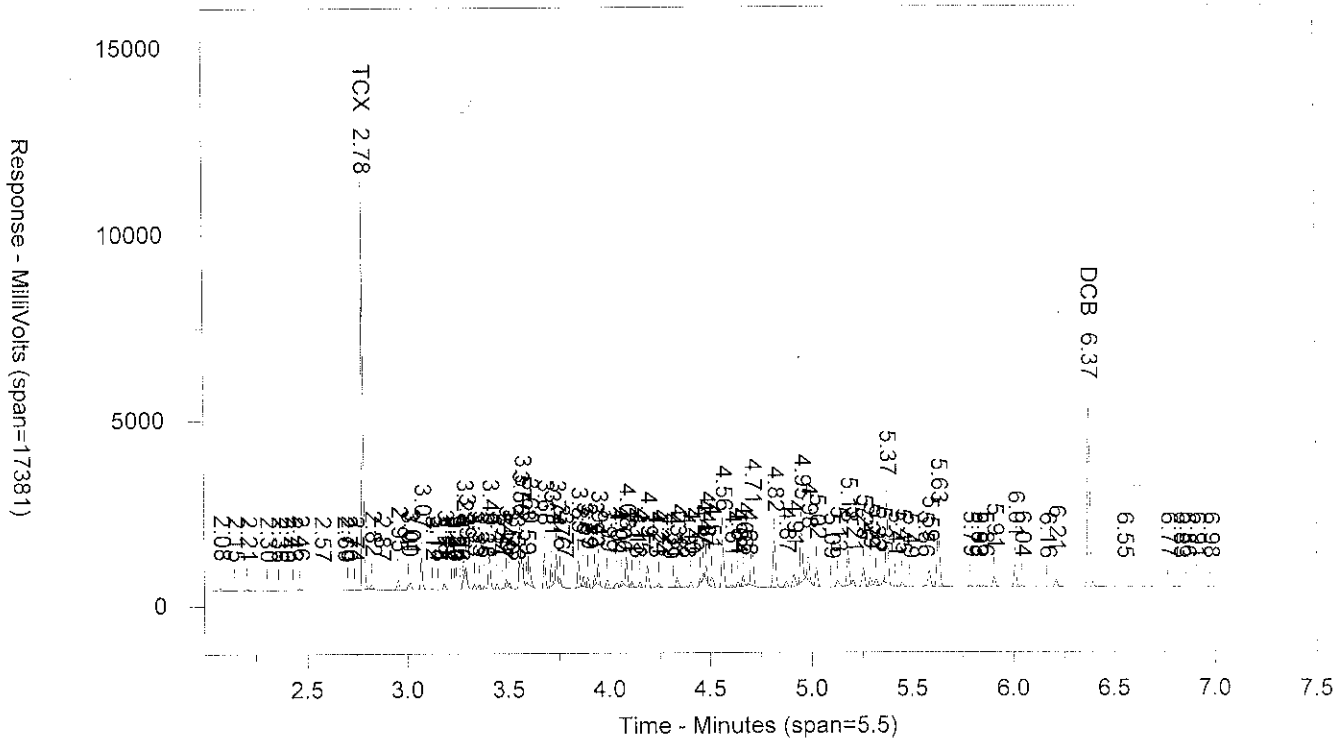

AR1641724B WWAR164WW CCAL 1731699999 10225 SW-846 808

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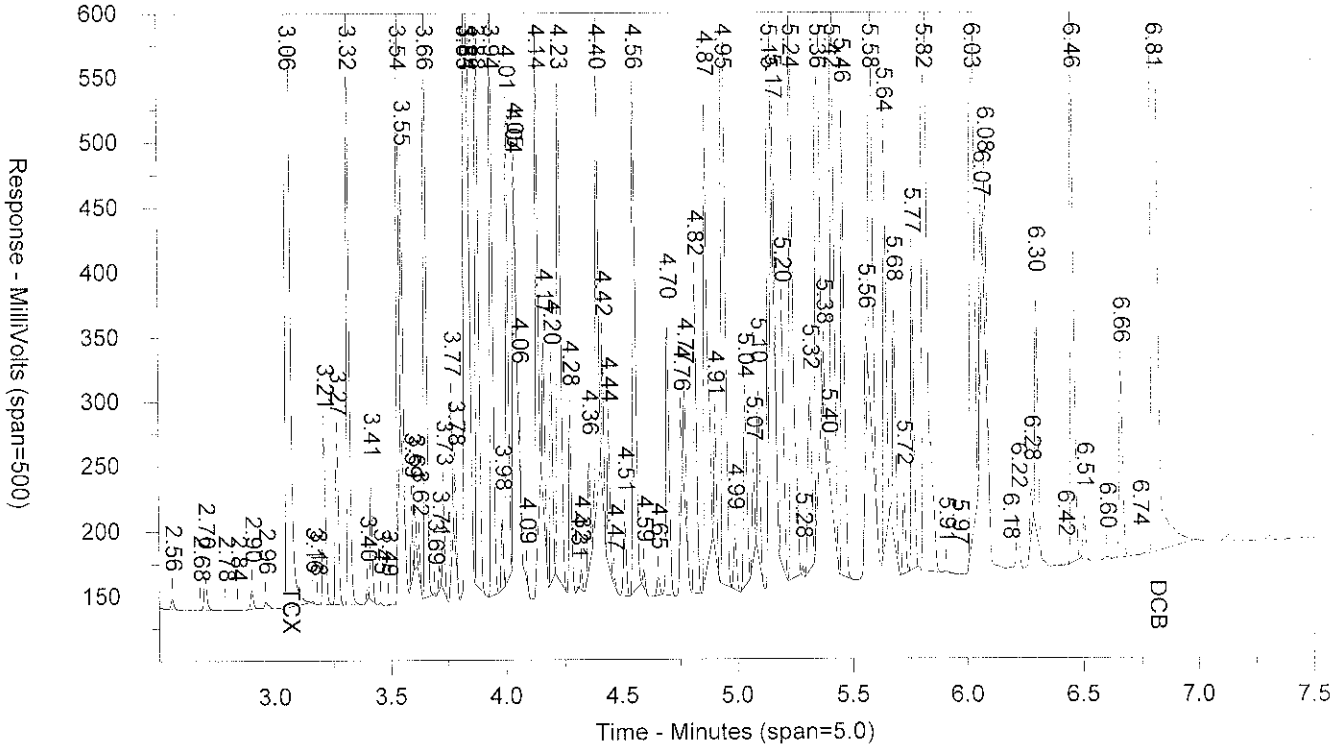

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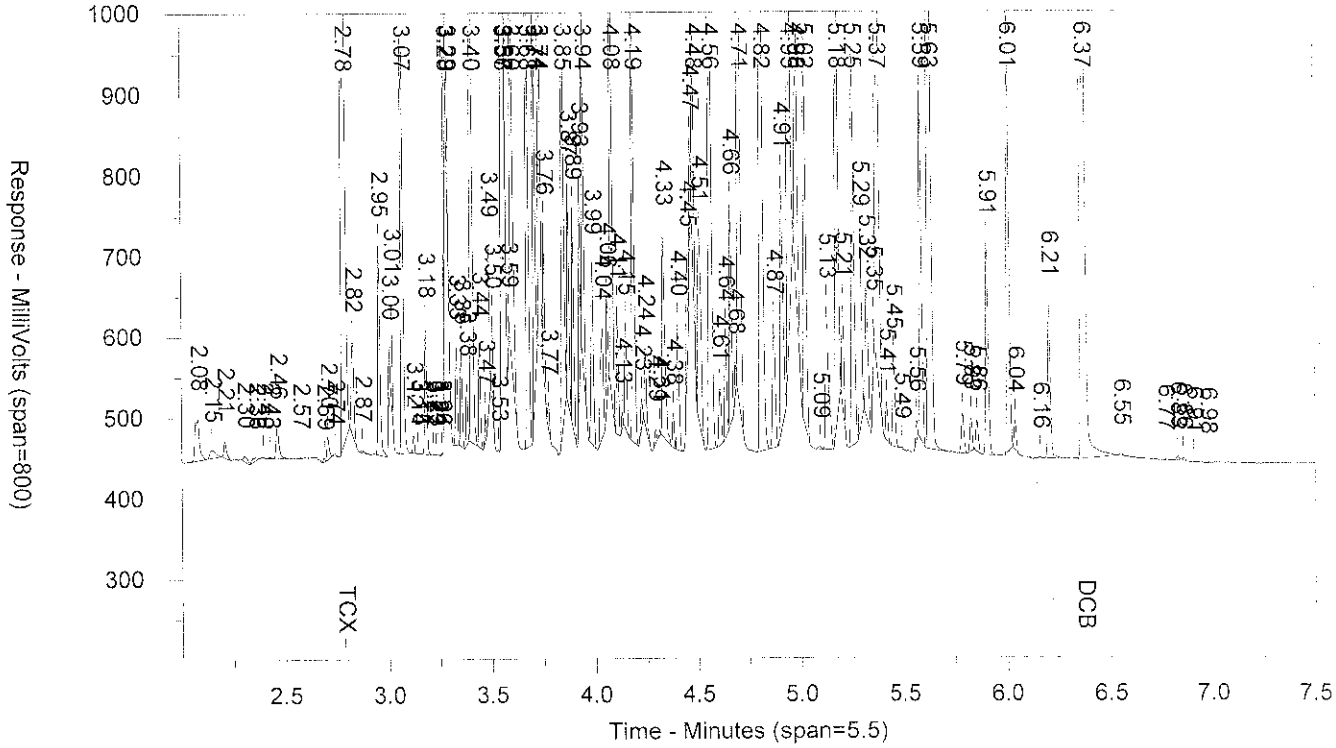

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:52:48 AM 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: 25pcbs17309003.074.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.029		998	823
2.098		13213	12862
2.169		1202	2324
2.22		8272	14880
2.261		1123	778
2.324		832	809
2.348		13893	10811
2.438		29930	19730
2.46		4293	2897
2.504		1228	1667
2.554		9523	7995
2.603		416	231
2.678		720	553
2.699		1913	1487
2.786		462	277
2.821		349	100
2.9		19904	18618
2.961		6525	5437
3.06	TCX	2885474	1926973
3.144		776	379
3.163		823	343
3.262		37220	25744
3.329		6744	6658
3.395		5657	3706
3.416		2733	2186
3.497		672	859
3.538		1300	1230
3.61		1822	1816
3.654		2470	1388
3.675		4125	3806
3.713		11785	8635
3.809		3928	3262
3.846		525	400
3.883		2493	2395
3.94		4415	4634
3.984		1540	1032
4.006		4259	3822
4.047		828	615
4.088		1935	2764
4.127		385	203
4.179		1521	1375
4.226		3065	3902
4.275		1319	1445
4.354		47982	58373
4.426		9304	10288
4.467		12751	13522
4.553		2518	3789
4.652		2464	2241
4.7		10356	11361
4.758		10353	9951
4.816		451	499
4.908		1231	1153
4.97		312	238
4.99		1431	1800

RT A	Compound A	Height A	Area A
5.036		375	251
5.072		32312	37028
5.107		711	547
5.166		713	485
5.229		2587	3779
5.261		1572	1062
5.314		29776	27669
5.362		377	355
5.411		5938	7868
5.457		645	528
5.646		7361	40616
5.724		11391	17781
5.844		12832	12717
5.909		573	455
5.938		1895	1677
6.045		4931	9417
6.184		379	786
6.217		10220	10050
6.281		8626	7217
6.303		1862	989
6.329		3575	3667
6.385		578	1649
6.401		4928	6029
6.601		4800	70533
6.663		16626	15915
6.701		2526	2270
6.742		359	200
6.765		1836	2152
6.811	DCB	1739647	1773772

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:52:48 AM 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: 25pcbs17309003B.074.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.028		2529	1766
2.067		66251	69340
2.152		15280	32047
2.207		10950	10963
2.308		10086	16321
2.36		3589	9305
2.387		2528	6368
2.519		1384	906
2.57		2919	4201
2.648		5682	5599
2.686		6177	3801
2.703		43767	46780
2.781	TCX	5090698	3218025
2.866		4218	5503
2.944		2842	1537
3.002		73158	54275
3.069		2564	1725
3.094		486	79
3.107		495	83
3.121		10649	6869
3.15		1272	792
3.156		1418	504
3.168		368	85
3.185		3744	2007
3.201		544	109
3.21		360	72
3.214		916	139
3.23		647	102
3.236		1125	530
3.266		2921	2522
3.306		2992	4546
3.32		788	137
3.328		1058	561
3.351		2874	1921
3.371		1223	459
3.406		4720	3551
3.426		749	153
3.437		1282	382
3.47		23120	15958
3.498		7285	4771
3.525		1245	627
3.541		3110	2245
3.569		3487	2567
3.584		1631	875
3.609		2368	1293
3.639		1102	305
3.658		803	367
3.679		4869	2630
3.702		359	61
3.711		448	105
3.723		2994	2344
3.747		1245	464
3.758		849	226
3.777		1836	670

RT B	Compound B	Height B	Area B
3.782		1129	165
3.791		1184	400
3.841		4127	4889
3.899		4798	7704
3.939		12327	9634
3.959		3264	1574
3.988		1866	1005
4.017		797	521
4.069		2758	2003
4.086		6869	4130
4.149		80922	106250
4.241		4831	5369
4.292		22134	17144
4.332		3342	1716
4.358		4610	2352
4.377		12703	7747
4.419		2767	4358
4.452		933	478
4.47		6983	6146
4.565		1966	1920
4.603		2550	3395
4.659		1311	877
4.684		34946	28480
4.771		1203	857
4.82		3080	3621
4.855		1251	1190
4.889		11188	17766
4.924		48421	61642
5.008		3602	5437
5.046		1090	1178
5.091		2978	2851
5.206		1492	1680
5.251		1555	1301
5.326		15219	20927
5.449		17259	15279
5.483		2615	3912
5.542		1854	3655
5.605		8062	9652
5.65		1556	4598
5.702		673	646
5.739		913	834
5.789		13497	11444
5.853		25012	20849
5.907		12025	27438
5.973		1017	2859
5.996		1326	756
6.007		897	538
6.075		1165	3906
6.141		1297	1039
6.21		22030	24853
6.307		980	865
6.372	DCB	2307236	2129259
6.662		724	729
6.765		872	715
6.828		2907	2571
6.858		3875	2584
6.904		1335	505
6.976		1066	705

IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082

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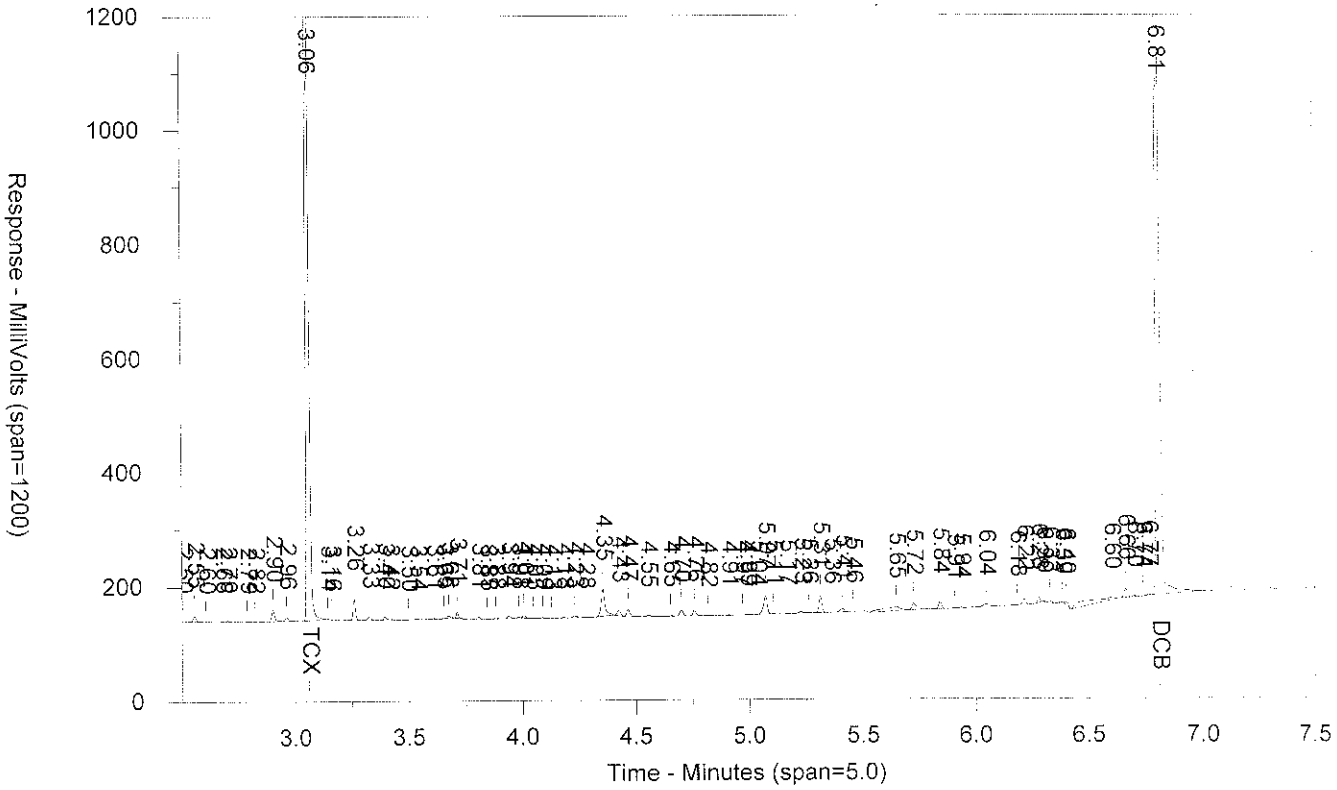

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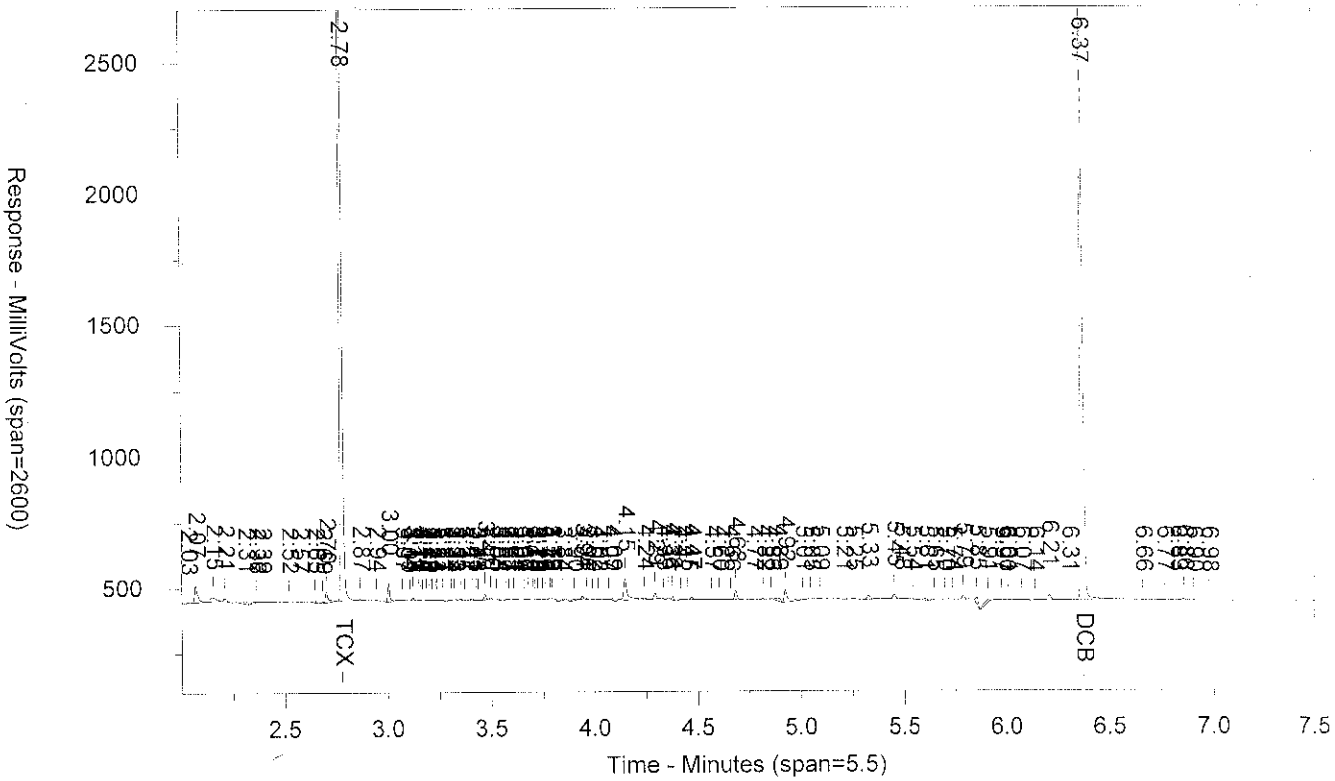

LANCASTER LABORATORIES

Sample Number: IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082
Injected On: 11/14/2017 8:52:48 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	2885474	.209	TCX	2.781	5090698	.209	TCX
6.811	1739647	.207	DCB	6.372	2307236	.201	DCB

Files:
Area File: 25pcbs17309003.074.RAW
Area File: 25pcbs17309003B.074.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 9:01:20 AM
File Reported On: 11/14/2017 at 9:01:27 AM

IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082

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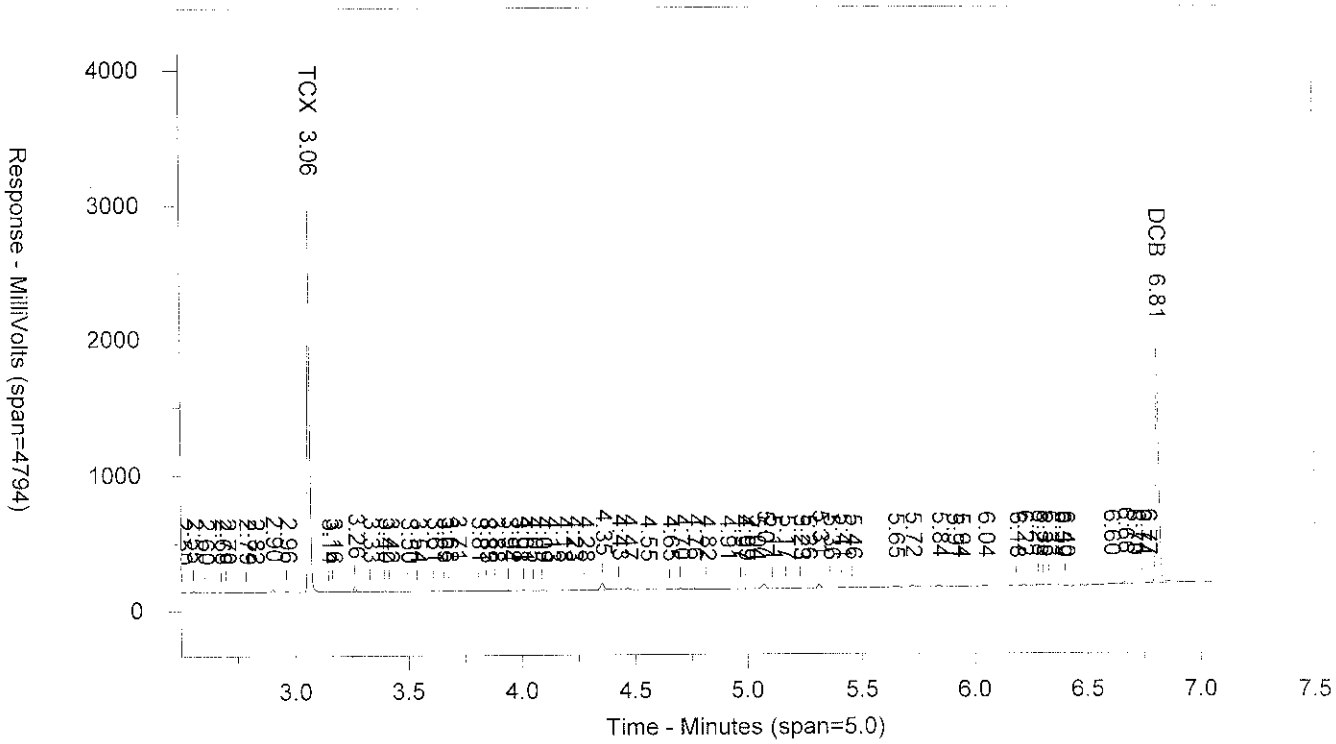

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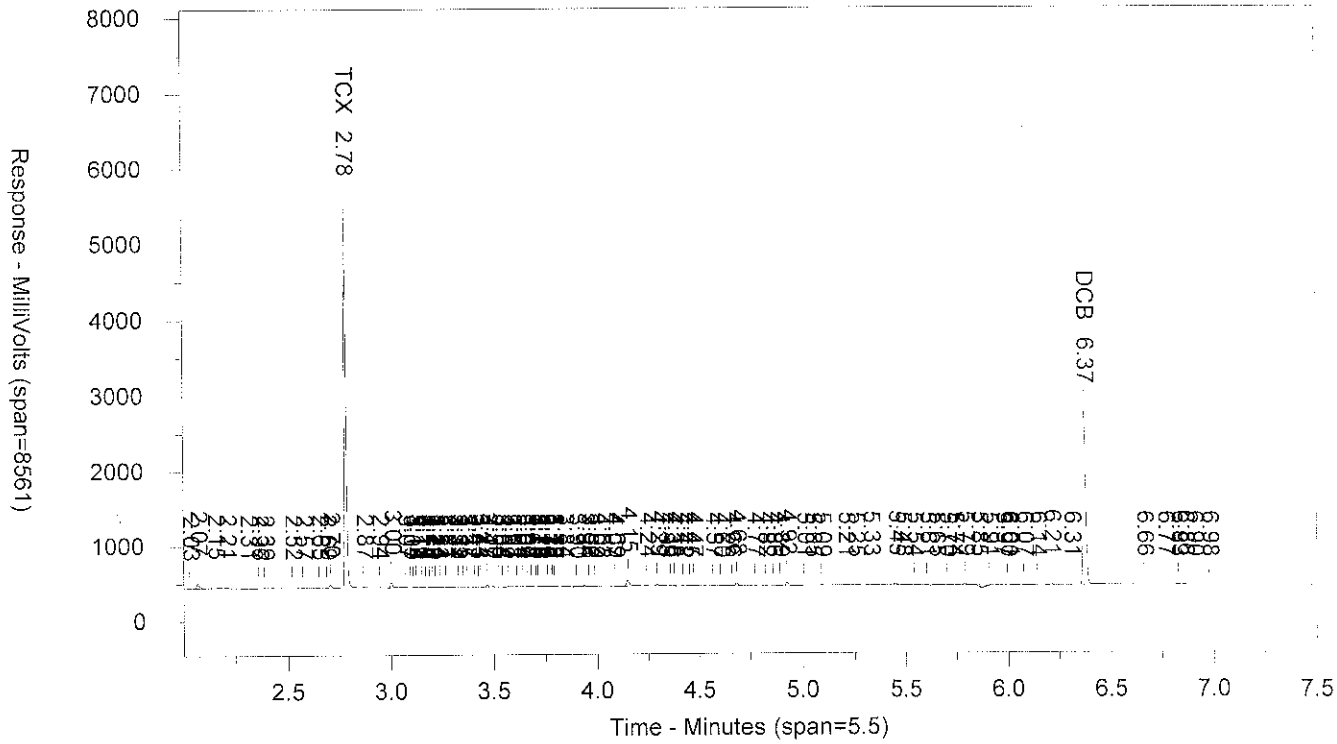

IBLKX1724B MEPIBLKME PIBLK1731699999 10225 SW-846 8082

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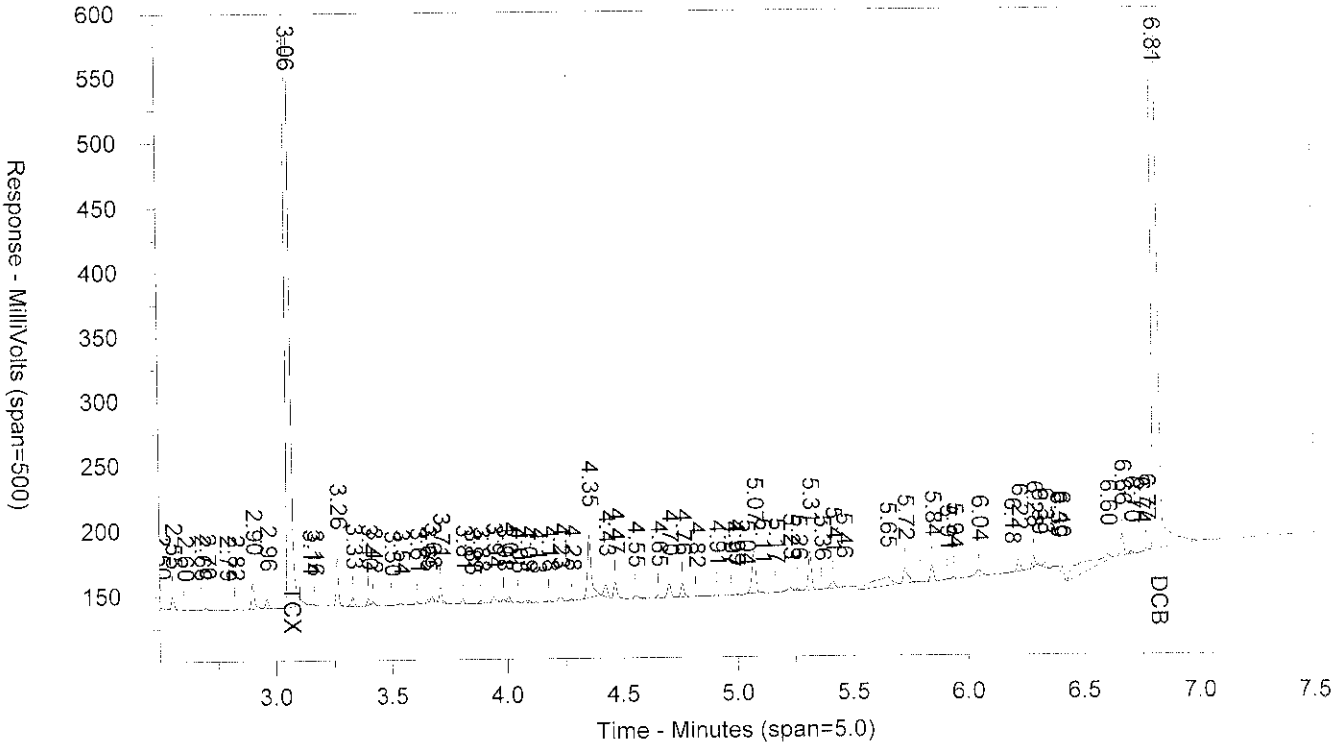

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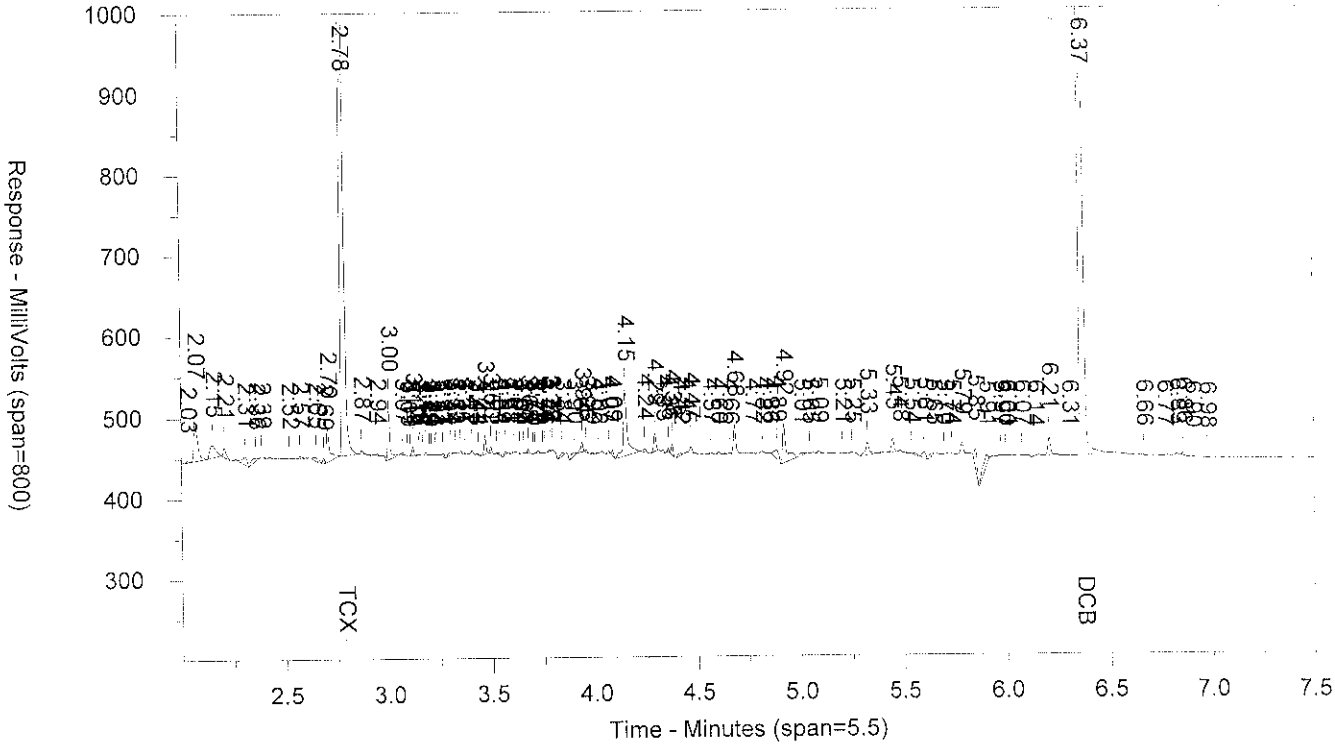

LANCASTER LABORATORIES

Sample Number: AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:47:00 AM 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: 07pcbs17292004.0063.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.657		5800	30710
2.063		17740	43394
2.131		27622	64548
2.18		120245	269556
2.243		25179	56864
2.316		121240	108142
2.41		42622	29011
2.427		42769	30424
2.466		4176	3106
2.578		7847	9767
2.642		2945	1662
2.663		21316	14503
2.749		3199	2234
2.833		1856	1021
2.876		54847	52632
2.96		8557	8031
2.996		2772	4664
3.029	TCX	26021790	16591330
3.131		5421	3253
3.181		286207	236255
3.237		452095	437799
3.286		1932546	1283490
3.363		44957	25564
3.381		216097	135979
3.42		6310	3975
3.503		2065057	1211993
3.52		986748	534303
3.557		229061	130286
3.573		51245	20028
3.588		139602	74080
3.619		2234723	1618401
3.655		9886	5073
3.676		46494	27894
3.694		54763	32601
3.731		460271	273766
3.746		244740	126979
3.792		1380174	724330
3.805		2366045	1255314
3.843		2616271	1973765
3.904		2306941	1679741
3.946		160753	111883
3.973		1496095	1092910
4.002		1101131	921038
4.024		328193	172784
4.102		1580964	1130896
4.127		577737	374253
4.159		595883	429014
4.195		1625038	1571806
4.236		467017	376927
4.282		64457	51749
4.324		82718	68282
4.359		1515667	1113571
4.378		358034	200089

RT A	Compound A	Height A	Area A
4.403		405881	308860
4.473		203432	170662
4.517		1428326	1335739
4.552		34859	23062
4.616		12893	10747
4.66		106872	104826
4.714		170418	107897
4.73		351974	237832
4.775		845112	754696
4.823		1383569	1494524
4.862		298161	215922
4.902		3190512	2917992
4.992		438314	459092
5.025		29716	18621
5.052		501168	455483
5.105		2756884	2205464
5.121		195514	132655
5.156		692814	611212
5.197		1647431	1785641
5.239		12188	5136
5.277		311662	357412
5.311		3991752	3570564
5.334		185814	89872
5.351		29103	12129
5.376		2063280	1822043
5.419		1237754	1169295
5.516		348185	280301
5.54		2165737	1837265
5.596		1074848	945824
5.635		571672	529793
5.677		106633	100078
5.719		729568	680165
5.775		5369040	5617860
5.98		3107804	2892885
6.014		100356	79670
6.036		597996	618981
6.168		133807	132807
6.23		64558	55190
6.252		482238	397629
6.369		2692	1292
6.405		1219913	1209198
6.45		61896	50161
6.483		3218	1660
6.544		3481	2441
6.606		356390	359689
6.641		2611	1003
6.705		2553	1465
6.752	DCB	9994617	10446230
6.854		1455	392
6.961		1485	540
7.006		2478	2706
7.032		3653	4543
7.084		1964	1030
7.11		3184	3203
7.205		1326	492
7.227		9171	8756
7.265		2534	770
7.291		3550	7488
7.381		2982	6894
7.438		1711	515
7.448		2090	1196
7.522		2812	5711
7.577		2222	727
7.715		5469	14824
7.839		1320	393
7.863		1850	525

RT A	Compound A	Height A	Area A
7.876		2114	1413
7.889		1678	555
7.965		2723	3310
8.089		7117	15059
8.214		1557	1141
8.291		1370	523
8.305		1609	754
8.32		1731	858
8.399		1485	364
8.546		2074	9648
8.584		1625	1057

LANCASTER LABORATORIES

Sample Number: AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:47:00 AM 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, 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: 07pcbs17292004B.0063.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.627		1628	6424
1.888		5158	9206
2		6460	12632
2.047		63741	75422
2.122		54063	98655
2.176		20485	17355
2.375		1839	2083
2.425		12195	9848
2.655		4913	2717
2.674		102111	107410
2.747	TCX	13565480	9275489
2.789		75492	53948
2.919		196541	154041
2.968		86019	40069
2.981		152648	81944
3.034		1070138	769479
3.086		28208	17995
3.147		142195	105443
3.243		1333554	1467000
3.295		150519	100631
3.317		65405	38754
3.344		90458	52538
3.367		1237177	931730
3.403		39089	23237
3.432		22506	10845
3.45		298317	166205
3.466		162114	83835
3.517		541824	306345
3.526		1219891	620421
3.561		1314706	1042331
3.636		1394331	969970
3.669		912447	611879
3.694		948717	567901
3.712		261645	144031
3.803		1103841	831552
3.828		387138	230403
3.85		388033	250603
3.881		213824	119350
3.899		904431	626640
3.942		337466	277092
3.99		43436	38088
4.014		229661	148665
4.037		1241755	917926
4.064		242347	156034
4.084		31706	14047
4.103		138339	95070
4.14		992366	814536
4.177		37256	23958
4.194		75172	57754
4.256		9172	10416
4.293		72501	71839
4.353		260350	212232
4.399		216439	133809
4.416		127354	70222

4.43		668276	427237
4.458		386349	416017
4.511		2276974	1965836
4.56		29232	21740
4.584		200059	143229
4.609		492508	399127
4.653		2632643	2386733
4.761		2231258	2269705
4.818		264518	241654
4.857		613580	548572
4.894		2664359	2402757
4.928		1320377	1024822
4.968		877153	778664
5.034		3678	3236
5.071		320358	358820
5.124		1671146	1422754
5.149		165298	106315
5.199		895243	866245
5.235		423131	343417
5.263		299729	259598
5.296		72833	48218
5.317		3977969	3543084
5.359		76388	57339
5.393		166332	148290
5.509		35367	23345
5.534		798120	719372
5.579		2647170	3003766
5.735		116246	108285
5.777		64753	51913
5.803		99575	83178
5.852		453902	438245
5.956		989885	913831
5.988		51756	38495
6.156		325865	317407
6.316	DCB	8743981	8318200
6.487		3062	2953
6.762		6932	6827
6.884		1585	2325
7.003		5024	10264
7.145		6185	22362
7.248		4868	14999
7.329		2700	4780
7.487		1835	7243
7.775		1806	3167
7.936		1291	2201
8.13		2780	9279
8.306		2286	3977

AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082

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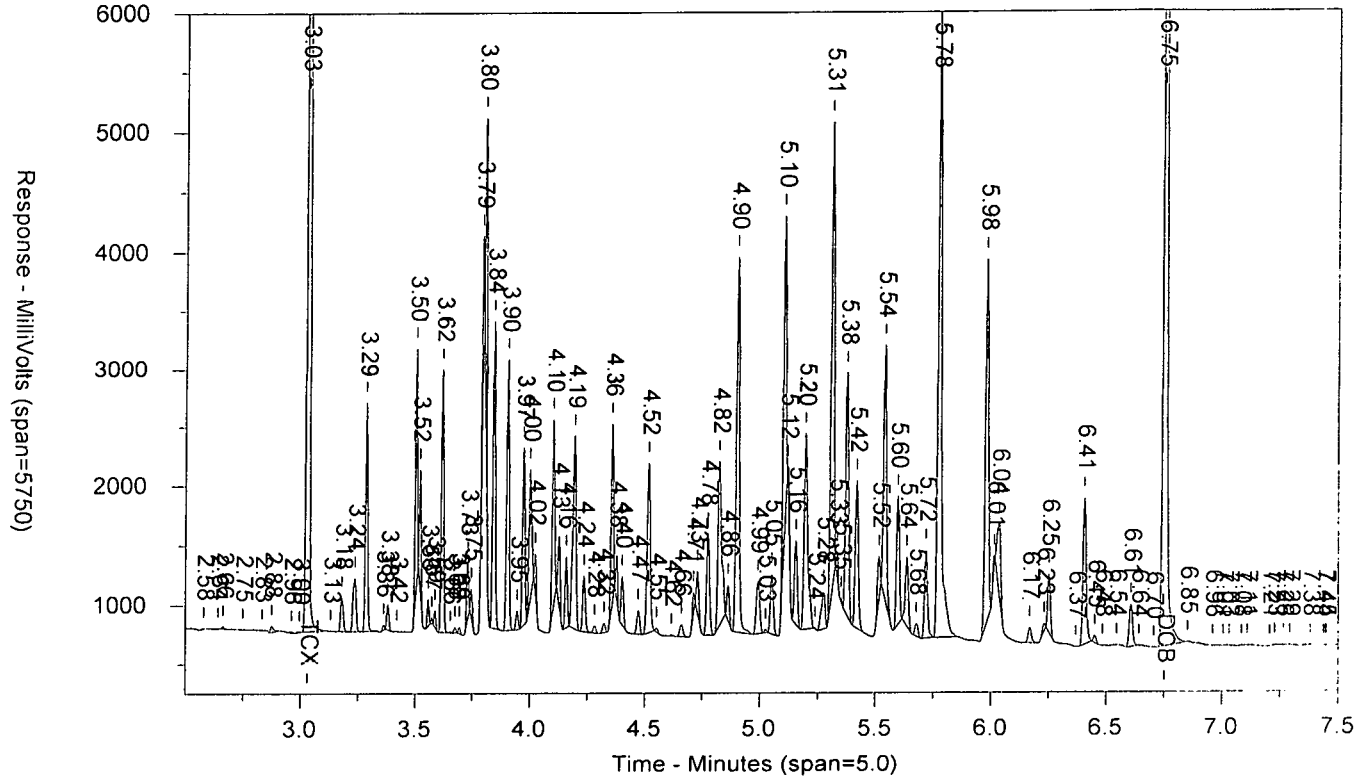

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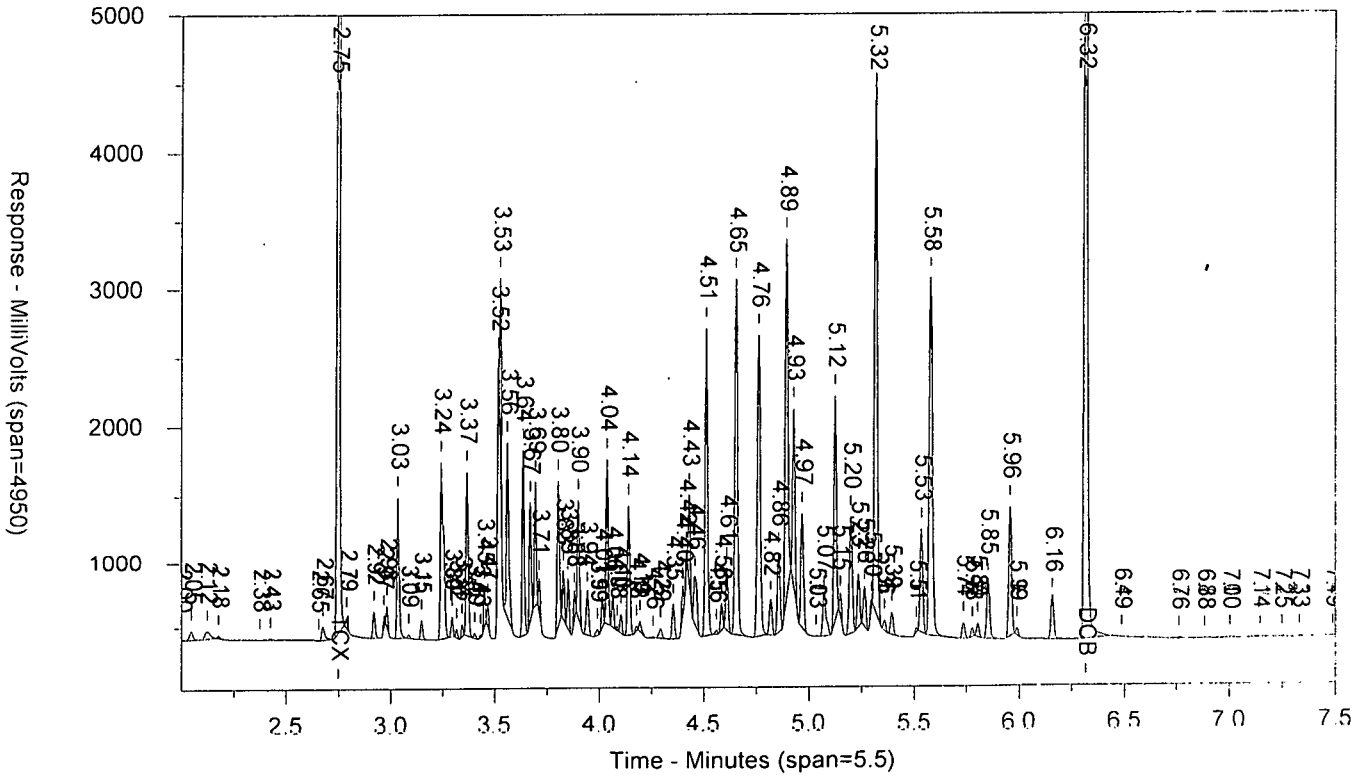

LANCASTER LABORATORIES

Sample Number: AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:47:00 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	26021790	40.982	TCX	2.747	13565480	44.69	TCX
6.752	9994617	39.16	DCB	6.316	8743981	37.896	DCB

Files:
Area File: 07pcbs17292004.0063.RAW
Area File: 07pcbs17292004B.0063.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 8:55:43 AM
File Reported On: 10/25/2017 at 8:55:56 AM

AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082

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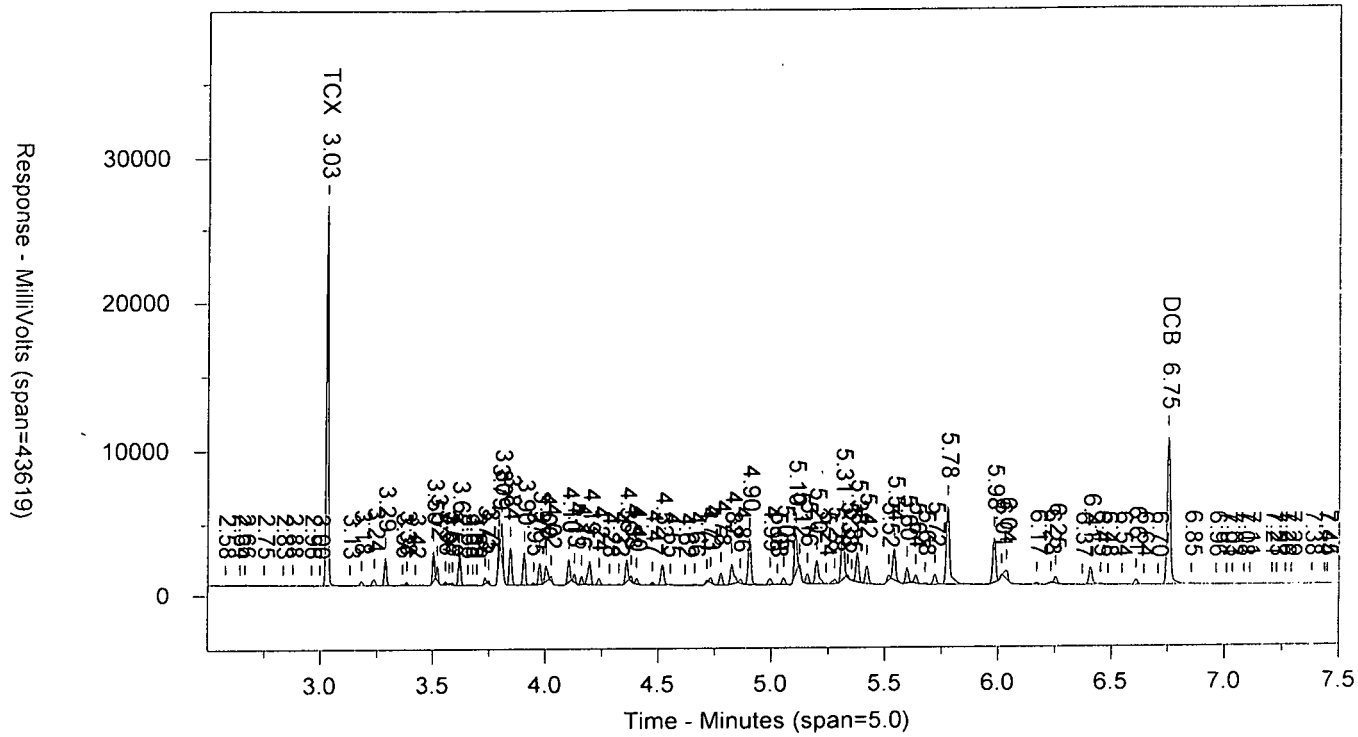

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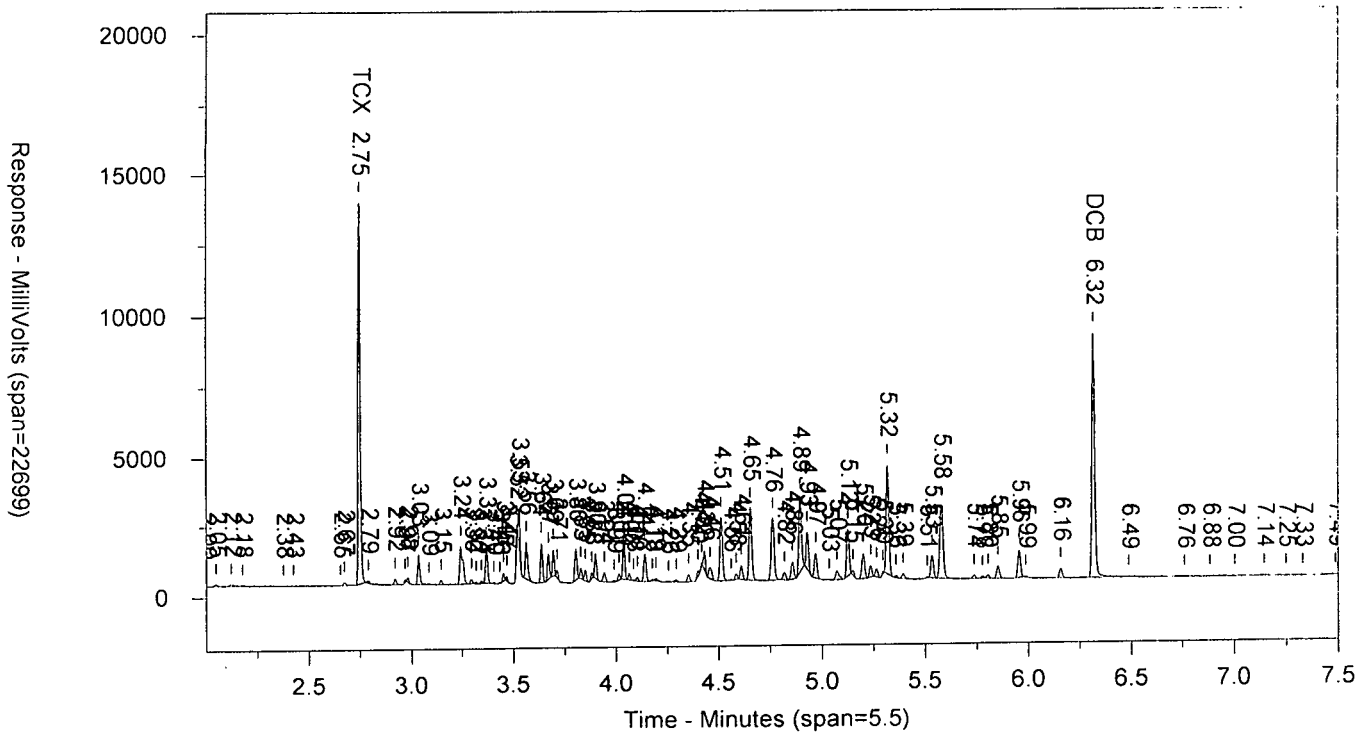

AR1641724B QCAR164QC CCAL 1729699999 10225 SW-846 8082

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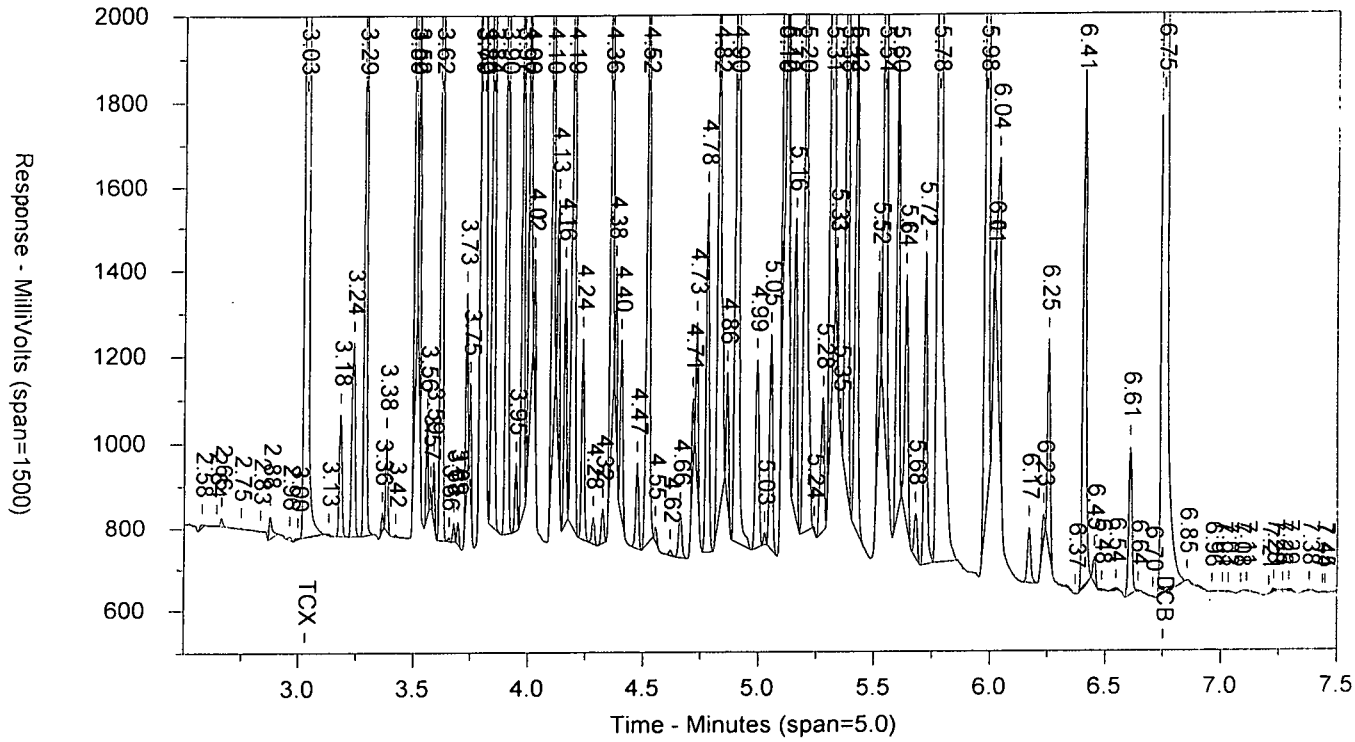

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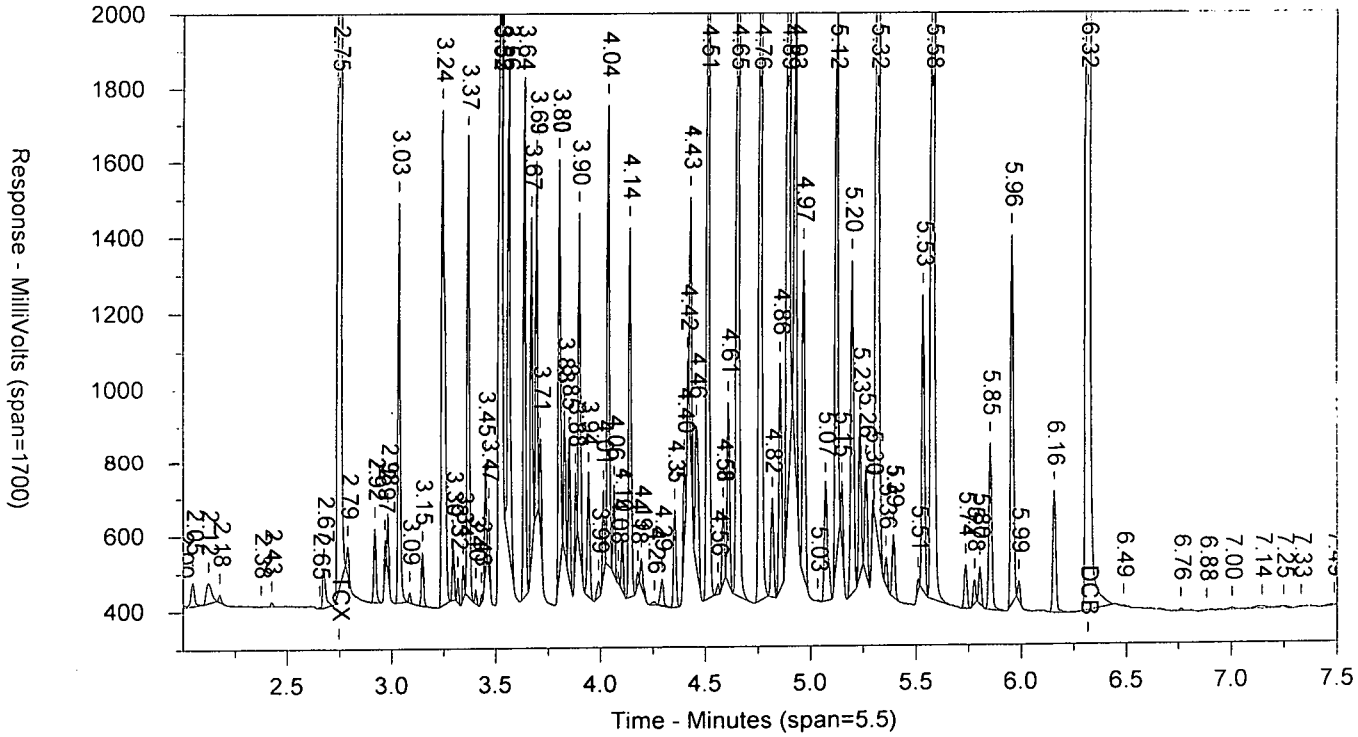

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:58:39 AM 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: 07pcbs17292004.0064.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.55		3023	2522
1.651		12114	29870
1.938		2990	4541
2.062		2749	4332
2.131		31074	92911
2.183		99402	226745
2.247		27216	55761
2.316		61732	50251
2.412		30771	19587
2.427		22181	14006
2.467		4231	2304
2.58		7588	10143
2.749		1797	933
2.877		35665	26788
2.961		8927	8542
3.03	TCX	13952560	9092484
3.231		166382	106003
3.363		36370	25573
3.677		31022	21319
3.727		3891	8974
3.775		6519	7459
3.811		1476	883
3.844		3387	2145
3.89		1822	545
3.903		3212	2138
3.932		2292	901
3.941		1278	288
4.001		1279	516
4.049		3403	3372
4.101		2314	1431
4.173		1061	398
4.286		1461	407
4.31		2318	1695
4.391		1751	1352
4.42		5582	5109
4.517		5001	4022
4.591		2063	814
4.66		2368	2303
4.715		4917	4911
4.75		1911	1340
4.826		2095	1872
4.902		2873	2082
4.994		2307	2954
5.03		7323	7161
5.059		4843	4335
5.128		2811	4811
5.154		2140	1455
5.186		1434	471
5.271		17612	16052
5.309		3979	2710
5.475		4994	7413
5.542		2272	1815
5.587		18844	25696

RT A	Compound A	Height A	Area A
5.678		14447	16176
5.717		2997	2165
5.799		33749	33492
5.847		1925	461
5.978		4363	3466
5.998		2385	2165
6.17		59210	60541
6.233		66594	83497
6.321		4807	3331
6.414		2820	2730
6.531		1891	830
6.556		2020	1898
6.607		45208	42441
6.678		3199	3186
6.701		3023	2298
6.753	DCB	5247055	5621125
7.121		1658	833
7.156		2348	1025
7.225		5756	5128
7.281		1707	1592
7.417		1032	428
7.452		2171	2019
7.479		1572	1177
7.524		1887	1349
7.627		1673	2624
7.659		3306	5815
7.771		1886	660
7.79		1343	522
7.823		1440	1473
7.842		2086	2216
7.988		5713	13386
8.043		2263	2125
8.085		2242	2626
8.189		2968	3850
8.263		2012	3181
8.417		2509	2368
8.677		1318	671

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:58:39 AM 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, 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: 07pcbs17292004B.0064.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.629		1719	7920
1.913		15161	64976
2.005		7325	14783
2.046		38103	49054
2.122		38367	69321
2.176		10988	8768
2.356		2721	1870
2.491		2151	1858
2.675		67685	70237
2.747	TCX	6868297	4883898
2.967		86317	60618
3.085		16946	12303
3.321		3828	3518
3.367		1822	1902
3.432		18719	12715
3.465		3209	2083
3.521		2781	3800
3.635		2625	2862
3.908		2644	5886
4.105		2407	2628
4.193		2271	4246
4.246		6448	6868
4.629		5223	4287
4.781		3321	3893
4.845		1377	1036
4.868		11030	9099
4.894		2486	1820
5.046		15760	16731
5.124		2063	1793
5.27		9573	8442
5.317		3910	4042
5.394		27009	24055
5.735		54167	49784
5.803		54175	50525
5.851		9336	8618
6.156		44005	38581
6.316	DCB	4935452	4801239
6.729		2269	3636
6.764		4392	3733
6.856		1892	4383
7.084		2392	5638
7.195		1698	2807
7.366		1448	3246
7.72		1375	704
7.85		3894	13641
8.06		1777	5586
8.447		1505	4952
8.631		3566	7791

IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082

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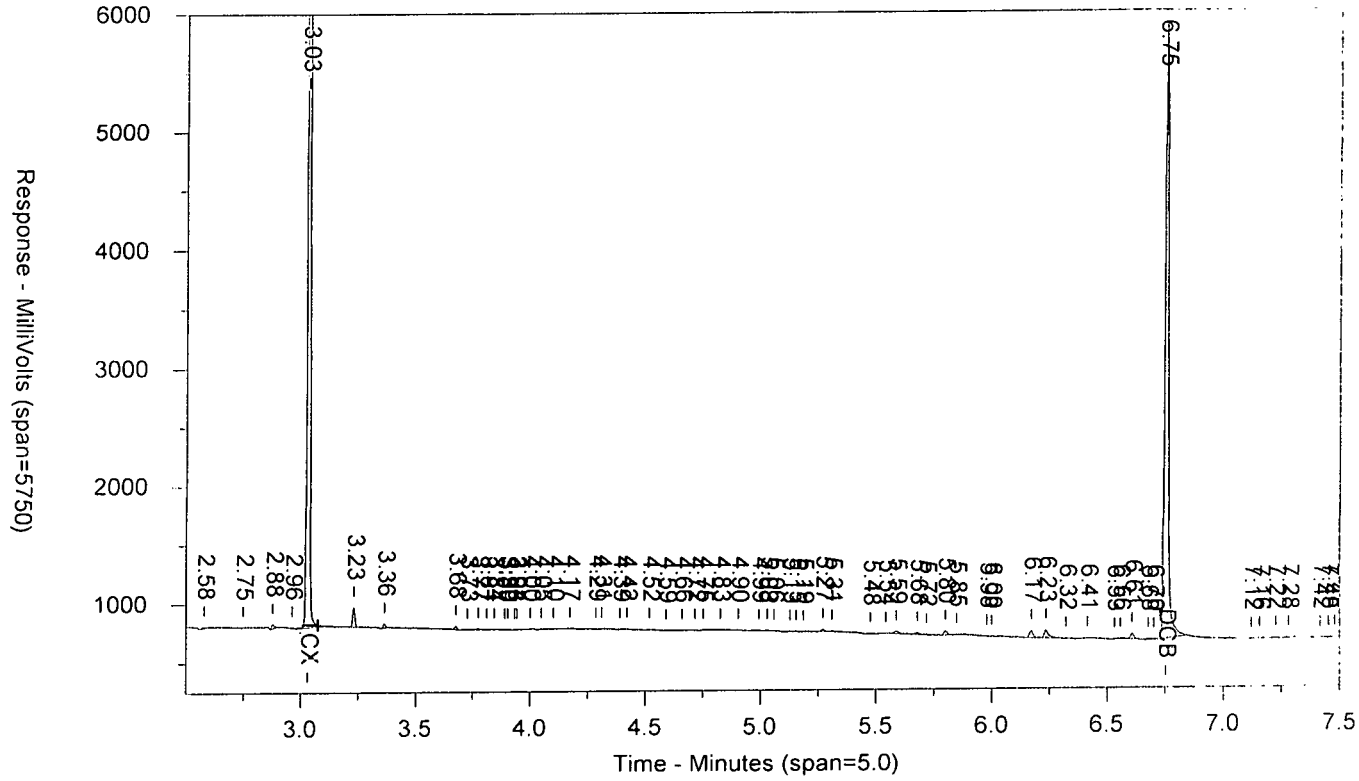

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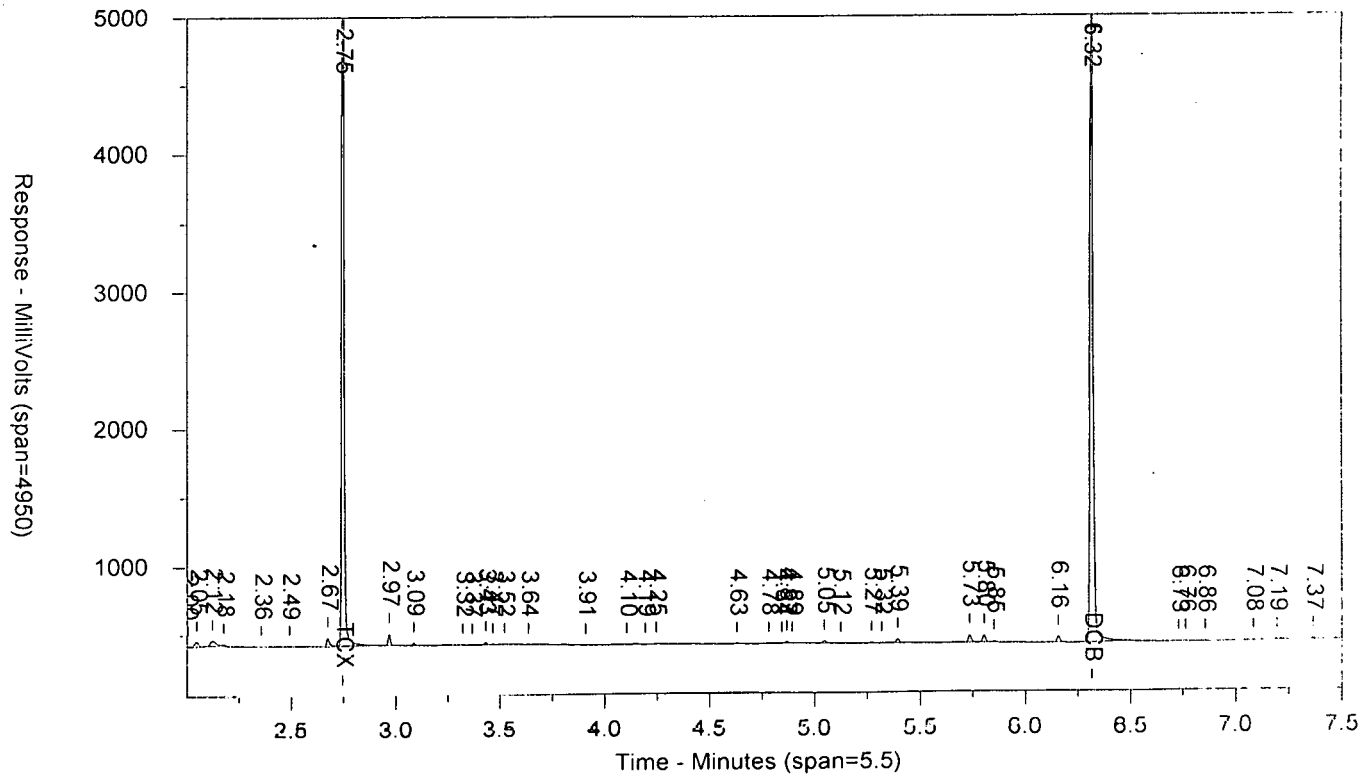

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 8:58:39 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.03	13952560	.22	TCX	2.747	6868297	.226	TCX
6.753	5247055	.206	DCB	6.316	4935452	.214	DCB

Files:
Area File: 07pcbs17292004.0064.RAW
Area File: 07pcbs17292004B.0064.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 9:07:20 AM
File Reported On: 10/25/2017 at 9:07:42 AM

IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082

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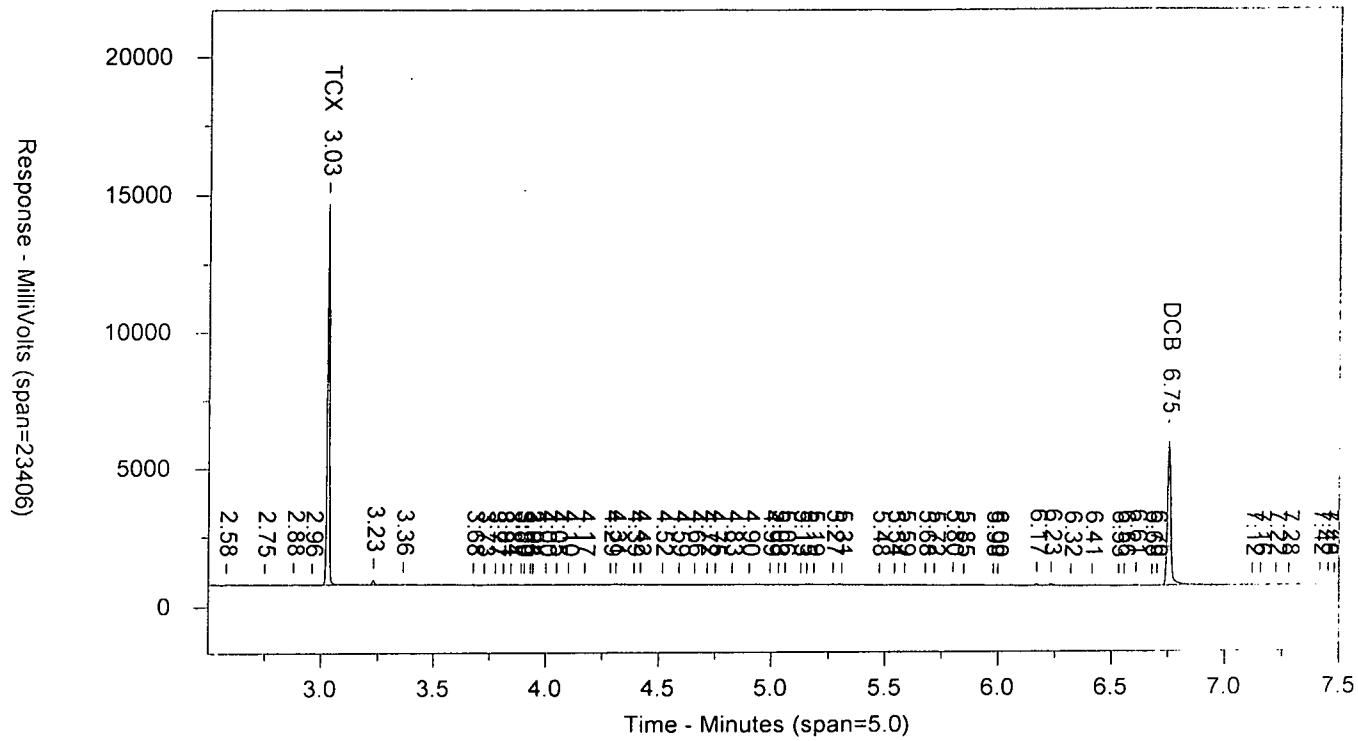

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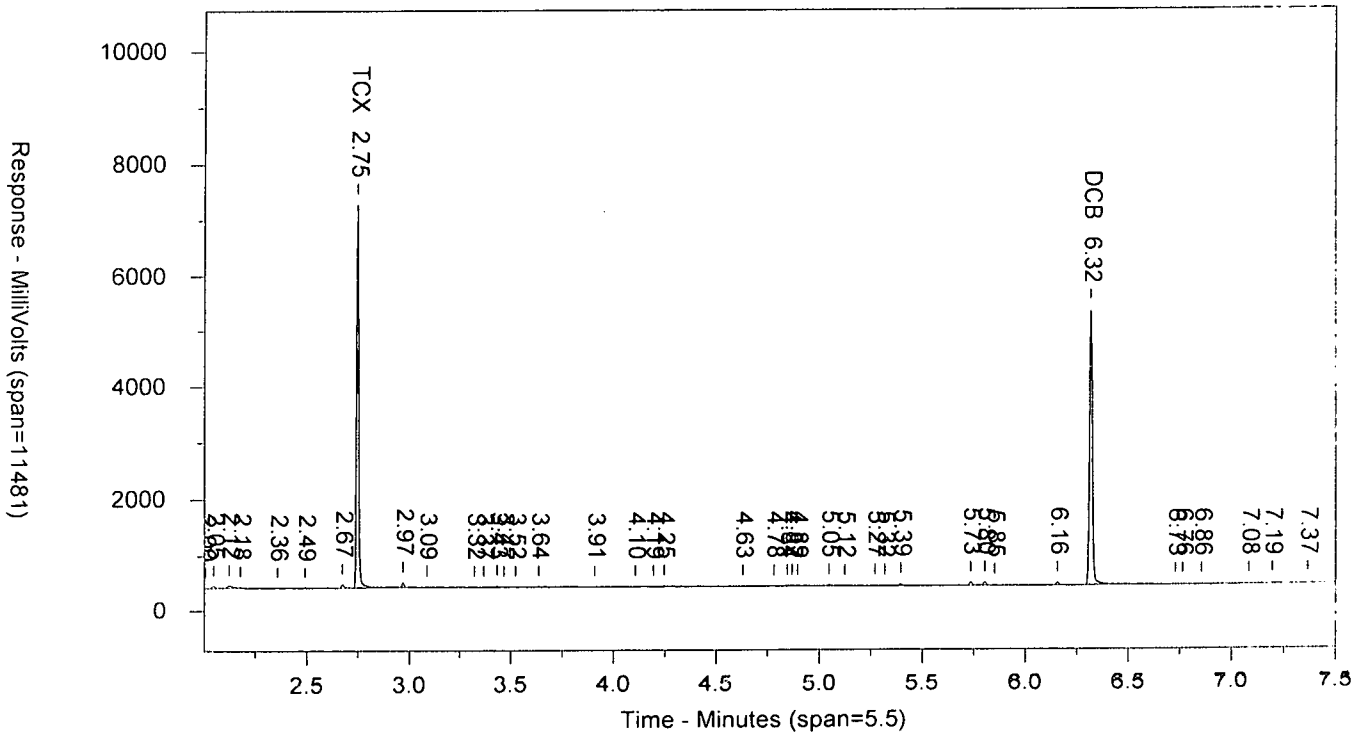

IBLKX1724B ZNPIBLKZN PIBLK1729699999 10225 SW-846 8082

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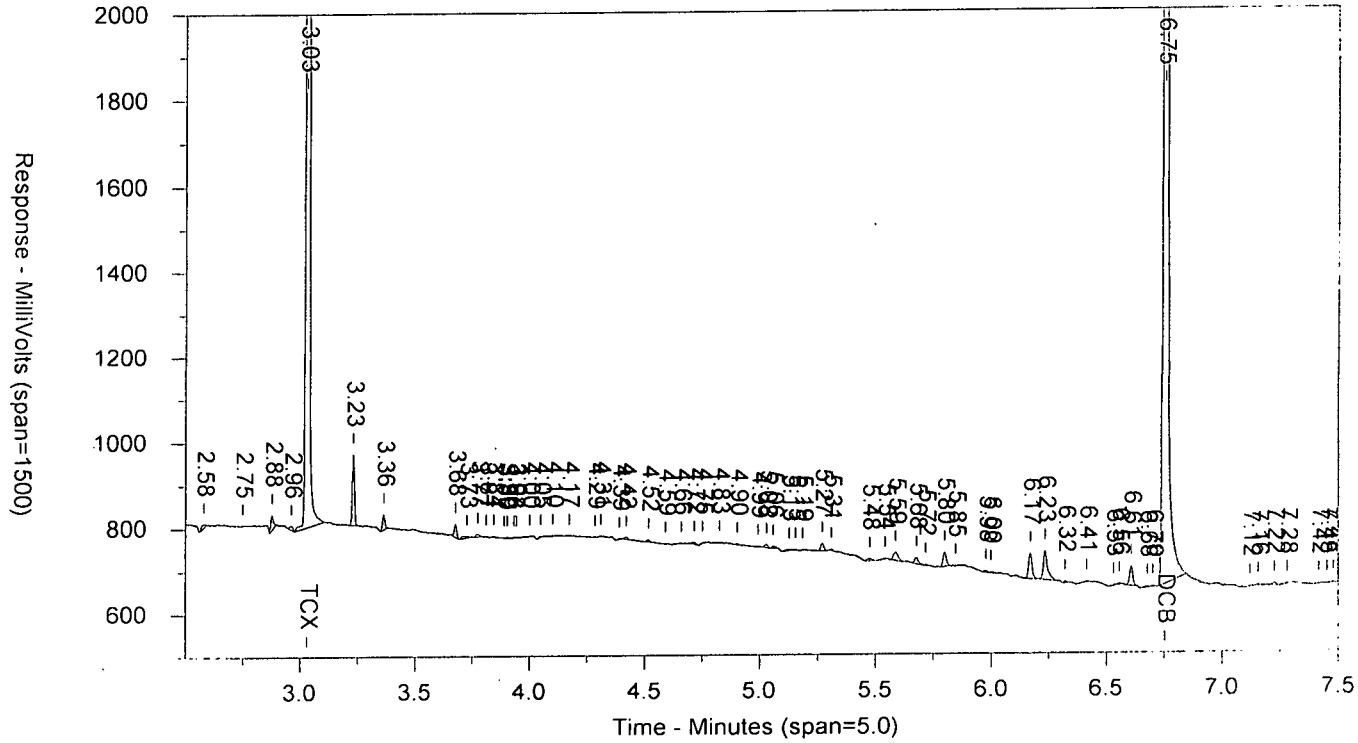

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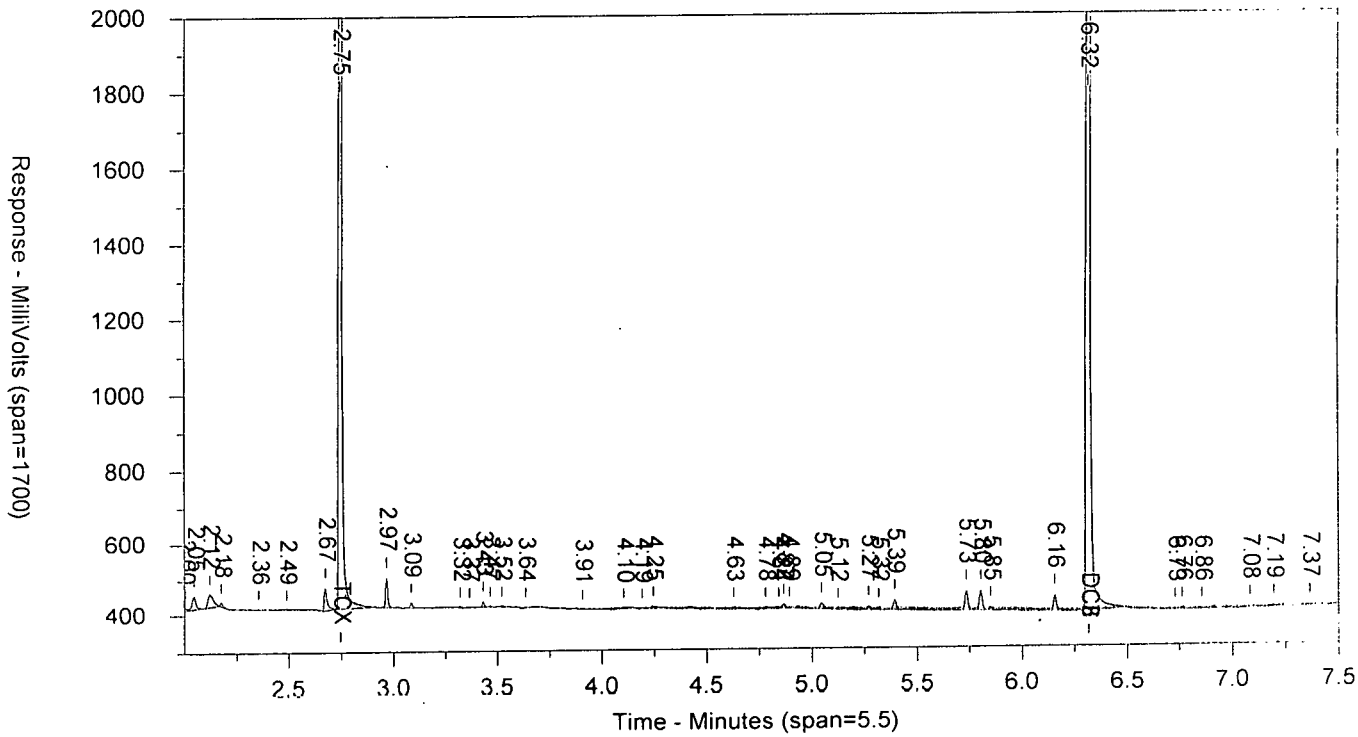

LANCASTER LABORATORIES

Sample Number: AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 12:59:14 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: 07pcbs17292004.0085.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.666		9640	50978
1.81		2332	1101
1.864		2827	875
1.993		2155	1265
2.076		9883	7827
2.134		33360	90548
2.18		82801	211279
2.316		126063	115318
2.41		68096	47425
2.427		47780	33587
2.466		7755	9326
2.582		7986	11767
2.663		22706	14809
2.746		3124	1550
2.838		2024	1648
2.876		31918	24521
2.963		21500	33579
2.99		5037	4736
3.029	TCX	29081830	18612010
3.18		339002	285734
3.237		491891	486189
3.286		2145155	1424106
3.362		48136	25710
3.38		237904	148967
3.42		4984	3317
3.503		2314852	1377239
3.52		1151754	610986
3.557		258663	147689
3.573		68546	26666
3.587		153791	79512
3.619		2711189	1898614
3.654		12622	6020
3.675		50199	30000
3.694		73877	42643
3.73		565898	329761
3.746		295327	151935
3.792		1460591	776497
3.804		2806961	1458840
3.843		3155047	2312347
3.904		2661864	1946759
3.945		189560	132174
3.973		1785701	1261330
4.001		1282503	1080303
4.024		382521	197679
4.102		1914780	1368883
4.127		661925	438156
4.158		723789	512728
4.194		1924991	1881368
4.236		570558	451638
4.282		78121	59981
4.322		95541	75024
4.358		1753847	1323231
4.378		425676	232544

RT A	Compound A	Height A	Area A
4.402		476550	361403
4.472		246518	202882
4.517		1750098	1616664
4.552		43797	29105
4.615		14686	11455
4.658		181832	172579
4.713		202117	126718
4.729		411311	280589
4.775		1039056	910129
4.823		1610978	1822963
4.862		368801	271422
4.902		3904076	3505628
4.992		534218	556312
5.026		57030	37459
5.052		607340	536328
5.105		3232597	2633613
5.121		309570	158314
5.155		870478	758585
5.196		2090319	2211361
5.238		24605	12784
5.276		412225	482598
5.311		4942503	4488346
5.334		223413	105221
5.351		41832	17191
5.376		2700498	2282325
5.418		1541341	1452084
5.514		449731	352685
5.538		2736626	2293840
5.596		1359792	1192700
5.636		733138	668219
5.677		175812	165653
5.719		858817	855454
5.775		6522221	7163377
5.981		3732514	3543088
6.035		1003939	1831475
6.169		188980	184430
6.231		88886	75885
6.251		528809	447709
6.405		1348635	1359661
6.45		67598	59745
6.572		2375	1300
6.606		427580	423862
6.751	DCB	11034870	11797680
7.012		1356	480
7.04		1143	419
7.226		9950	14221
7.267		1611	374
7.421		1331	394
7.717		1279	353
7.749		1045	801
7.834		1443	805
7.911		1238	495
7.923		1304	661
7.949		1309	419
8.398		1312	587
8.692		1191	383

LANCASTER LABORATORIES

Sample Number: AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 12:59:14 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, 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: 07pcbs17292004B.0085.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.667		3144	18024
1.883		3581	4157
2.047		71458	100057
2.124		34278	60010
2.176		22716	18987
2.329		1859	1101
2.388		2170	3428
2.426		13621	10953
2.603		5304	20257
2.657		6090	6461
2.674		61022	66601
2.746	TCX	14236210	9659763
2.789		81412	56942
2.919		220165	175057
2.967		82922	40977
2.98		157411	86715
3.034		1134641	819801
3.085		30066	19101
3.146		154683	113796
3.243		1458657	1643204
3.295		167082	111566
3.317		77308	46646
3.343		93204	54638
3.366		1418937	1059132
3.403		49917	31023
3.431		23788	11438
3.449		332265	187315
3.465		180047	92111
3.516		587549	314522
3.526		1576234	743119
3.56		1496572	1187682
3.635		1571439	1096293
3.669		1036142	684044
3.693		1077456	648432
3.712		297795	163122
3.802		1284098	959838
3.827		453508	267827
3.849		436934	285916
3.88		252031	140791
3.898		995449	695915
3.942		382044	313379
3.99		53765	49411
4.014		254206	161590
4.036		1387397	1026663
4.063		264215	168538
4.084		29042	13503
4.102		147992	101819
4.14		1143329	913641
4.177		41535	26754
4.194		89389	67469
4.257		9624	10736
4.291		97856	112331
4.329		4867	2389
4.352		295739	243052

4.398		251588	160997
4.416		106318	69284
4.429		765156	484014
4.457		463820	475993
4.511		2668058	2276661
4.559		38778	30516
4.583		226503	163819
4.608		578435	451749
4.652		3146621	2760454
4.76		2662876	2667748
4.817		310051	286933
4.857		684545	646448
4.894		3188772	2839240
4.927		1515474	1207223
4.967		1040664	921179
5.034		4115	3993
5.071		379912	417699
5.123		2029128	1715823
5.148		203782	131391
5.198		1081473	1038185
5.234		491131	411693
5.263		355215	320017
5.296		73024	49703
5.316		4883109	4339051
5.358		87988	66298
5.393		235284	212381
5.51		38451	25295
5.533		982923	869803
5.578		3192633	3691517
5.734		176307	160087
5.776		77556	59197
5.803		156728	135810
5.851		563662	540894
5.955		1239922	1116788
5.987		61219	45628
6.155		400750	391323
6.315	DCB	10214060	9964195
6.761		8247	7890
6.942		1979	1910
7.272		1284	2682
7.719		1492	3746
8.565		1803	3588
8.631		3315	7193

AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082

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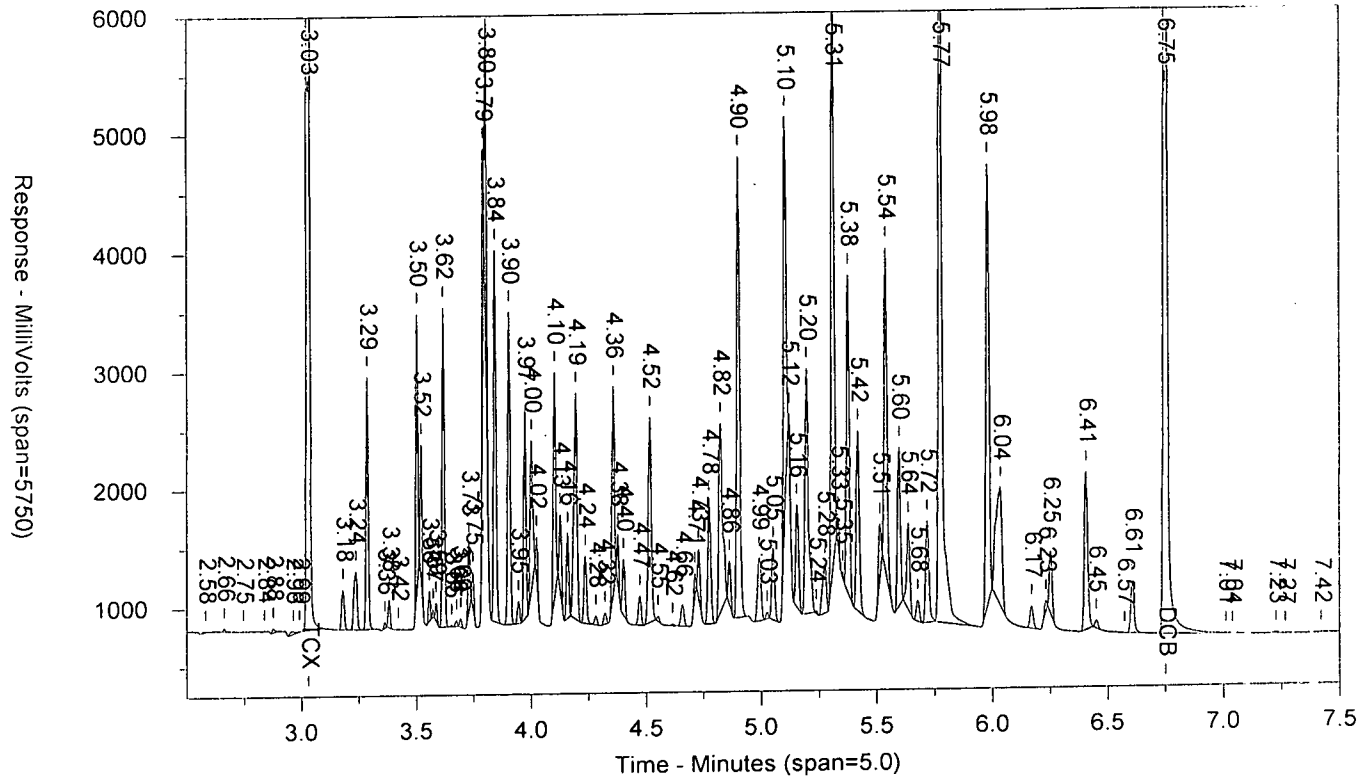

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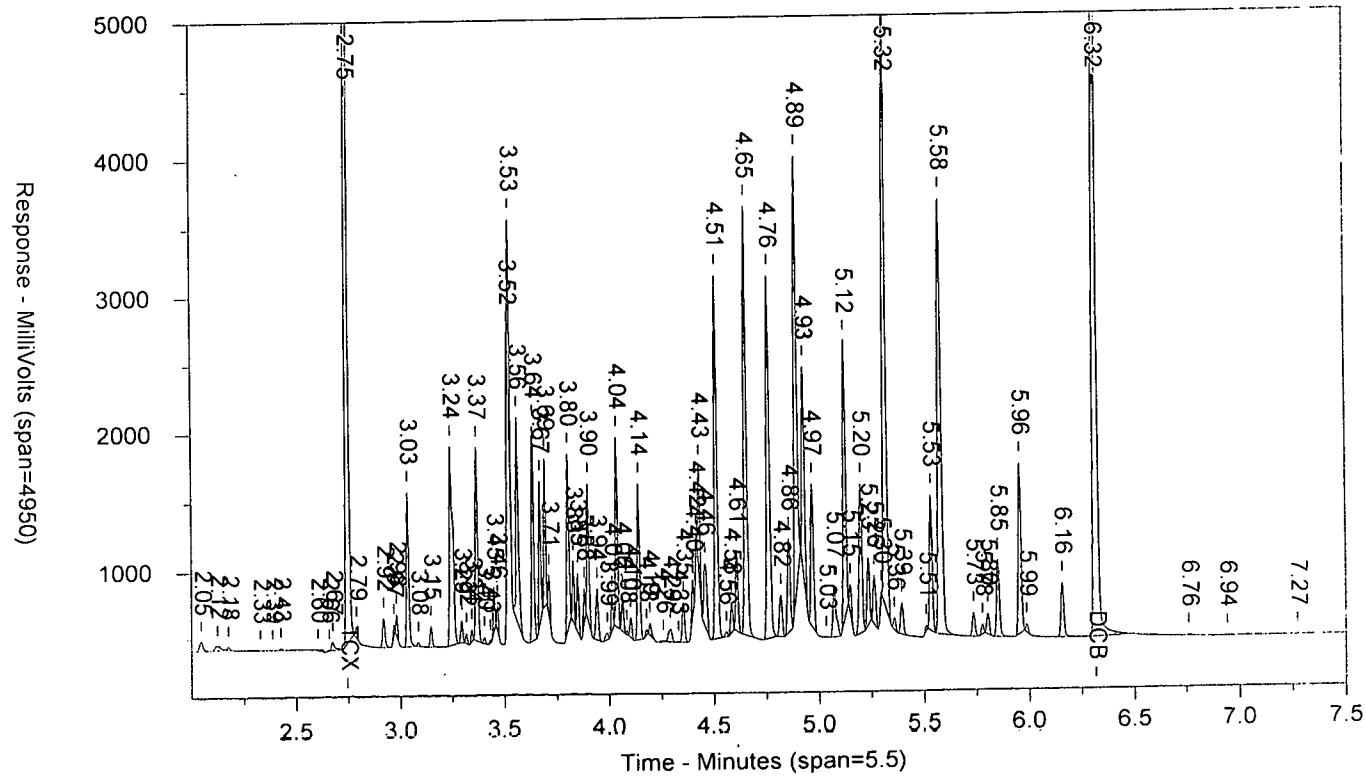

LANCASTER LABORATORIES

Sample Number: AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082
Injected On: 10/25/2017 12:59:14 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	29081830	45.801	TCX	2.746	14236210	46.899	TCX
6.751	11034870	43.236	DCB	6.315	10214060	44.267	DCB

Files:
Area File: 07pcbs17292004.0085.RAW
Area File: 07pcbs17292004B.0085.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 1:07:56 PM
File Reported On: 10/25/2017 at 1:08:18 PM

AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082

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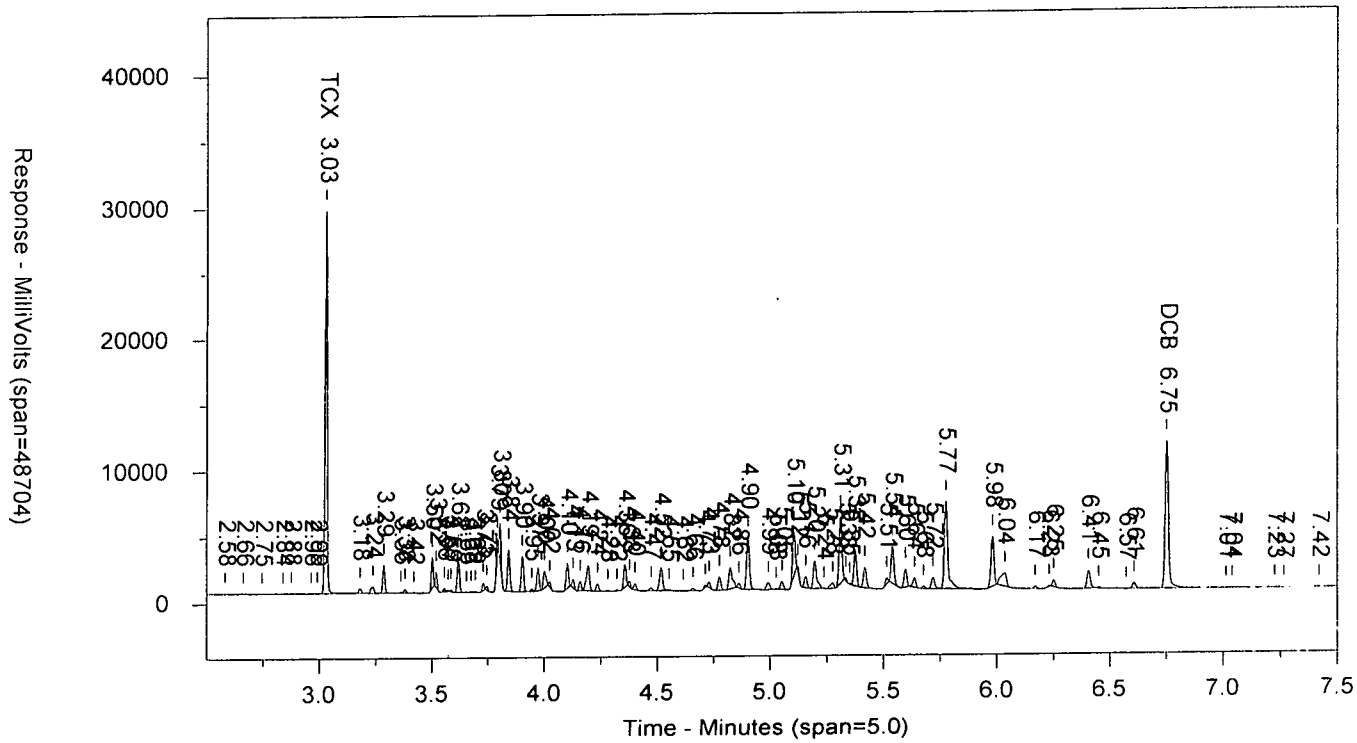

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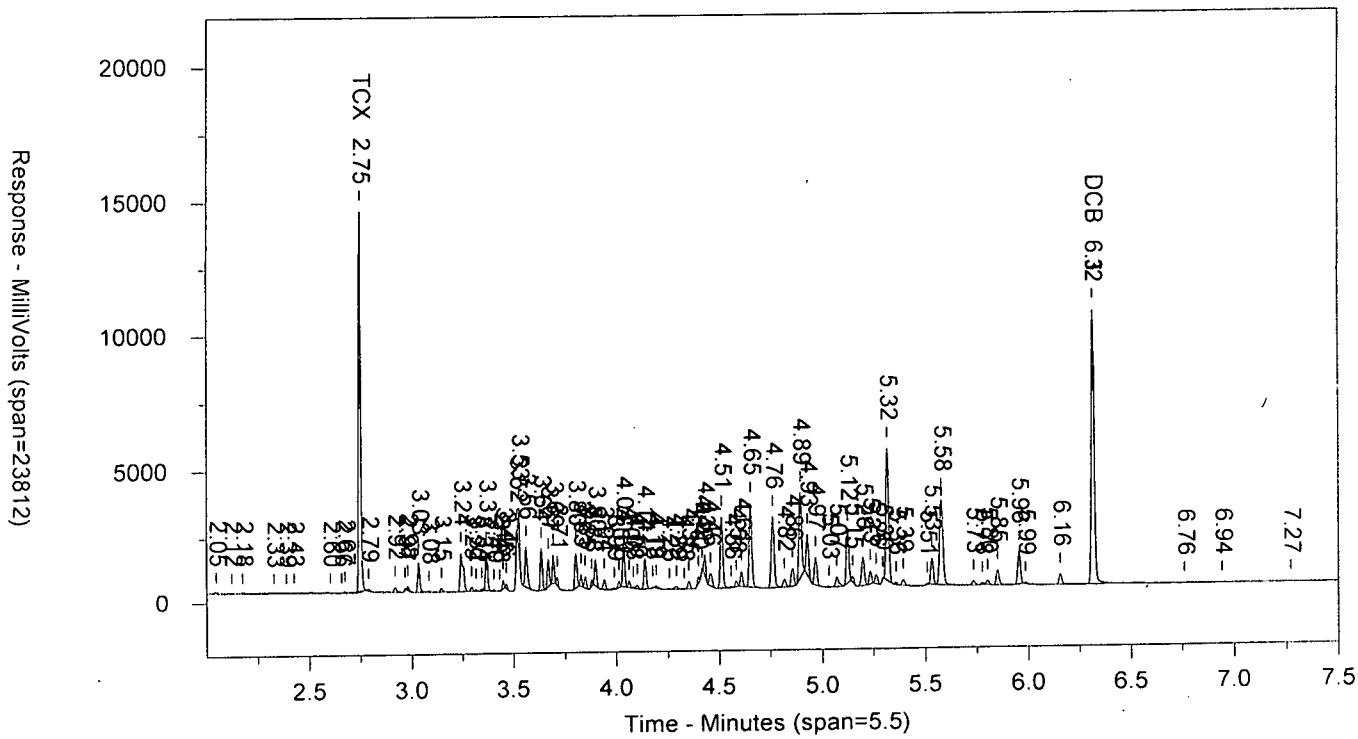

AR1641724B QDAR164QD CCAL 1729699999 10225 SW-846 8082

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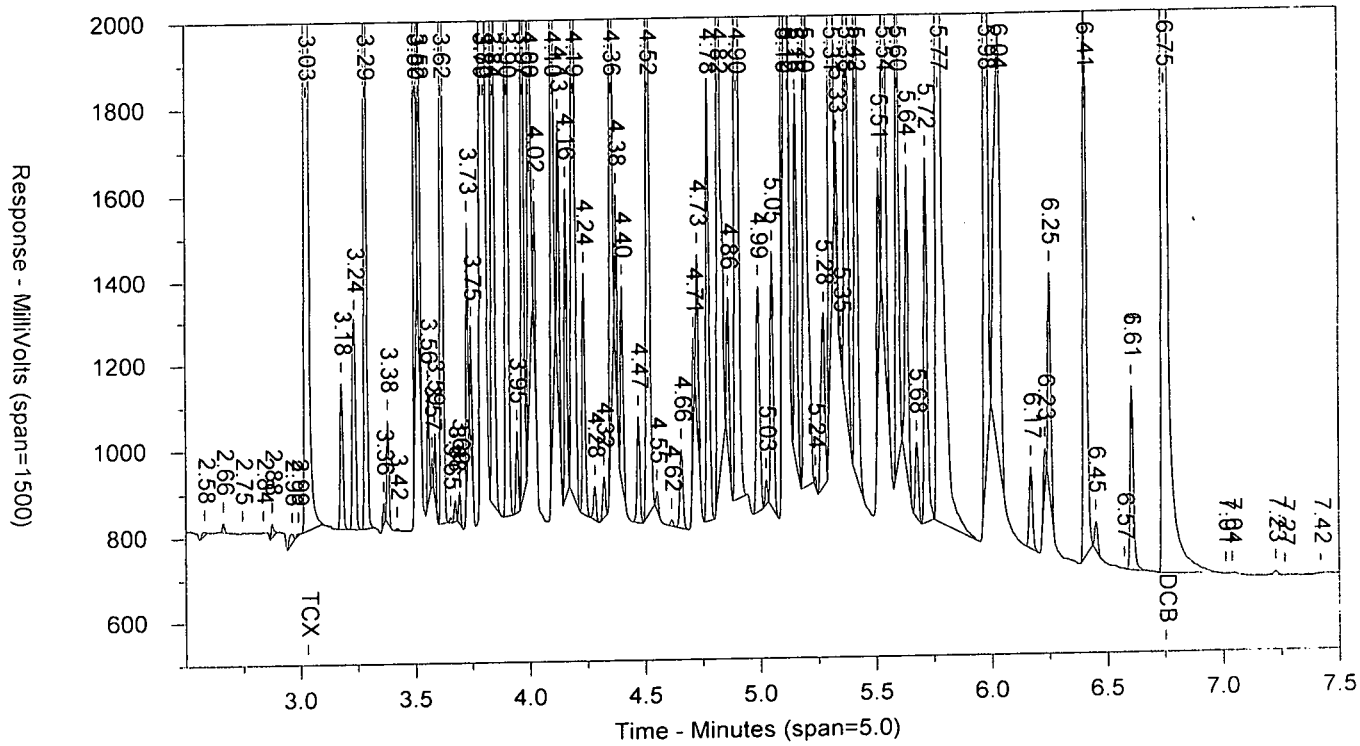

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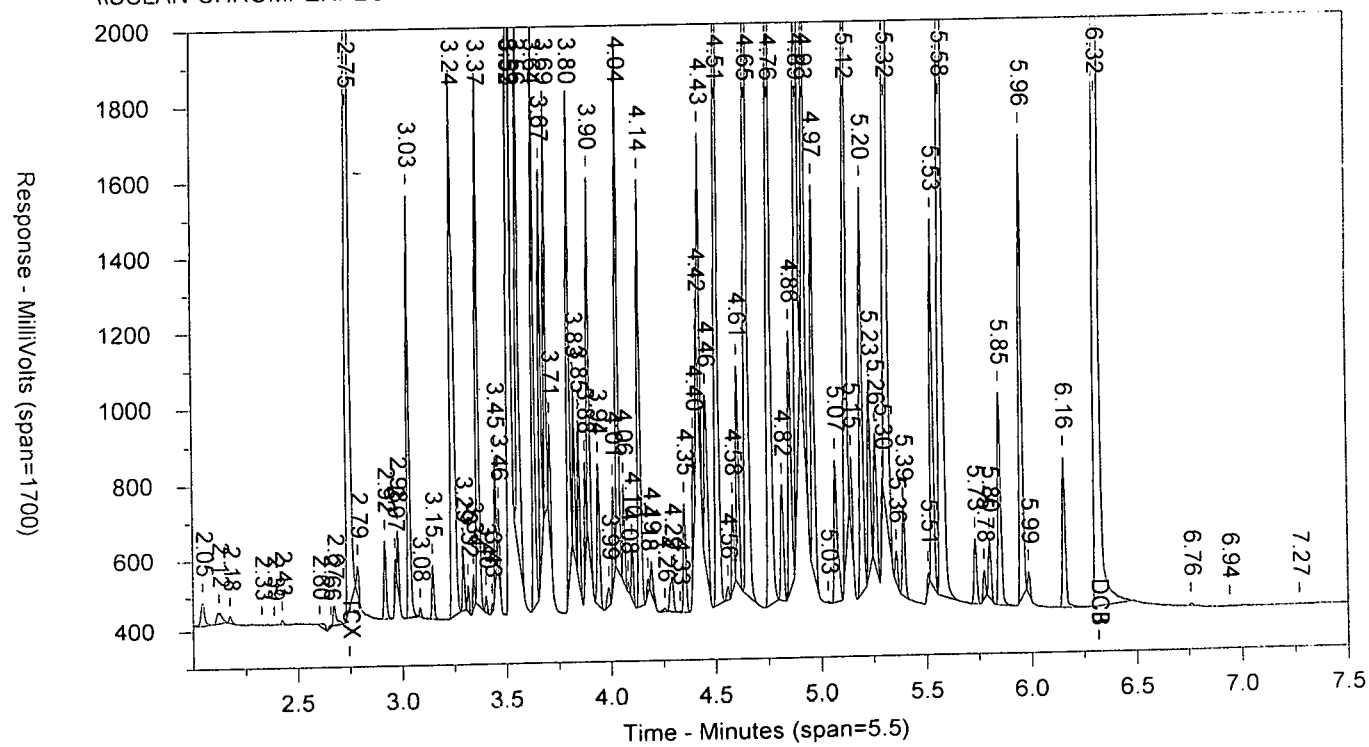

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 1:10:27 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: 07pcbs17292004.0086.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.545		2311	1437
1.659		16921	64574
1.805		10240	8138
2.131		40732	105455
2.179		210405	420129
2.234		33991	75784
2.314		66853	66642
2.375		2608	1420
2.408		33368	21321
2.425		22134	14154
2.464		5611	4840
2.586		11155	24515
2.636		2780	1928
2.745		2263	1164
2.875		55464	47454
2.957		16498	19227
3.027	TCX	14092870	9100962
3.229		166262	106615
3.284		2705	1009
3.361		35456	26407
3.5		3139	1954
3.675		34365	24078
3.71		4351	5843
3.768		9236	7361
3.803		3189	1661
3.841		6026	5476
3.861		751	234
3.869		962	296
3.886		1154	252
3.903		4485	3143
3.93		1172	584
3.94		1044	346
3.971		3055	1914
3.999		5026	12285
4.048		4655	5545
4.083		1126	348
4.099		2342	1496
4.192		3142	3589
4.324		1017	309
4.355		7075	7243
4.389		3655	3084
4.418		3265	3180
4.512		5914	5981
4.683		1249	424
4.71		7230	6623
4.753		3138	3380
4.769		1758	521
4.821		1536	781
4.899		5960	5787
5.028		20036	18146
5.061		7153	11459
5.118		4962	6848
5.149		2999	2089

RT A	Compound A	Height A	Area A
5.194		3842	5412
5.268		34342	32020
5.31		9196	7928
5.474		2596	3215
5.519		2282	2545
5.538		3886	3046
5.582		36809	43545
5.622		1444	362
5.674		29707	27654
5.768		6003	4409
5.797		53699	52305
5.886		8415	6861
5.979		8084	8178
6.101		1344	759
6.168		72954	69772
6.232		81043	100761
6.328		3495	3289
6.405		4200	5651
6.45		1797	1773
6.534		2721	2557
6.606		48880	48319
6.752	DCB	5487315	5888484
6.974		1528	717
7.021		1519	616
7.194		1288	690
7.227		4949	7608
7.278		1266	951
7.297		1684	846
7.504		1448	988
7.642		1354	376
7.822		1203	860
7.839		1485	834
7.998		1168	413
8.337		1857	517
8.414		1312	747
8.49		1384	557
8.586		1260	537
8.653		1484	535

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 1:10:27 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, 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: 07pcbs17292004B.0086.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.612		5982	16728
1.665		4791	10310
1.691		5329	6333
1.913		9544	33929
2.004		5962	13999
2.045		38708	49040
2.121		93883	167097
2.175		9917	7890
2.398		2227	5533
2.655		5681	3587
2.673		107766	116369
2.746	TCX	6937053	4902429
2.967		88708	59517
3.056		1914	1760
3.085		16121	11089
3.257		2256	3246
3.319		4940	4228
3.366		3097	4109
3.431		18784	13375
3.464		3979	2577
3.498		2559	1688
3.588		3248	4285
3.635		4569	5548
3.667		2203	1802
3.695		2270	3811
3.804		1526	1362
3.861		5208	9592
3.901		3435	3733
4.035		3014	3807
4.105		2544	2671
4.186		4056	6172
4.243		7252	11405
4.326		3874	4295
4.417		4096	9373
4.509		5428	8503
4.629		11433	8944
4.754		2392	1688
4.779		3187	3585
4.866		22428	18218
4.891		4438	3208
5.045		59672	68073
5.12		3868	3828
5.195		3509	3926
5.269		22094	20061
5.315		8398	7970
5.392		42437	40495
5.551		9680	13960
5.611		6275	15382
5.676		2213	5752
5.733		65939	62624
5.801		70895	68705
5.85		18522	19166
6.155		48575	44285
6.315	DCB	5325224	5062512

6.762	4038	3224
6.794	2592	2524
7.288	3349	5475
8.304	1175	2888
8.622	3803	7442

IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082

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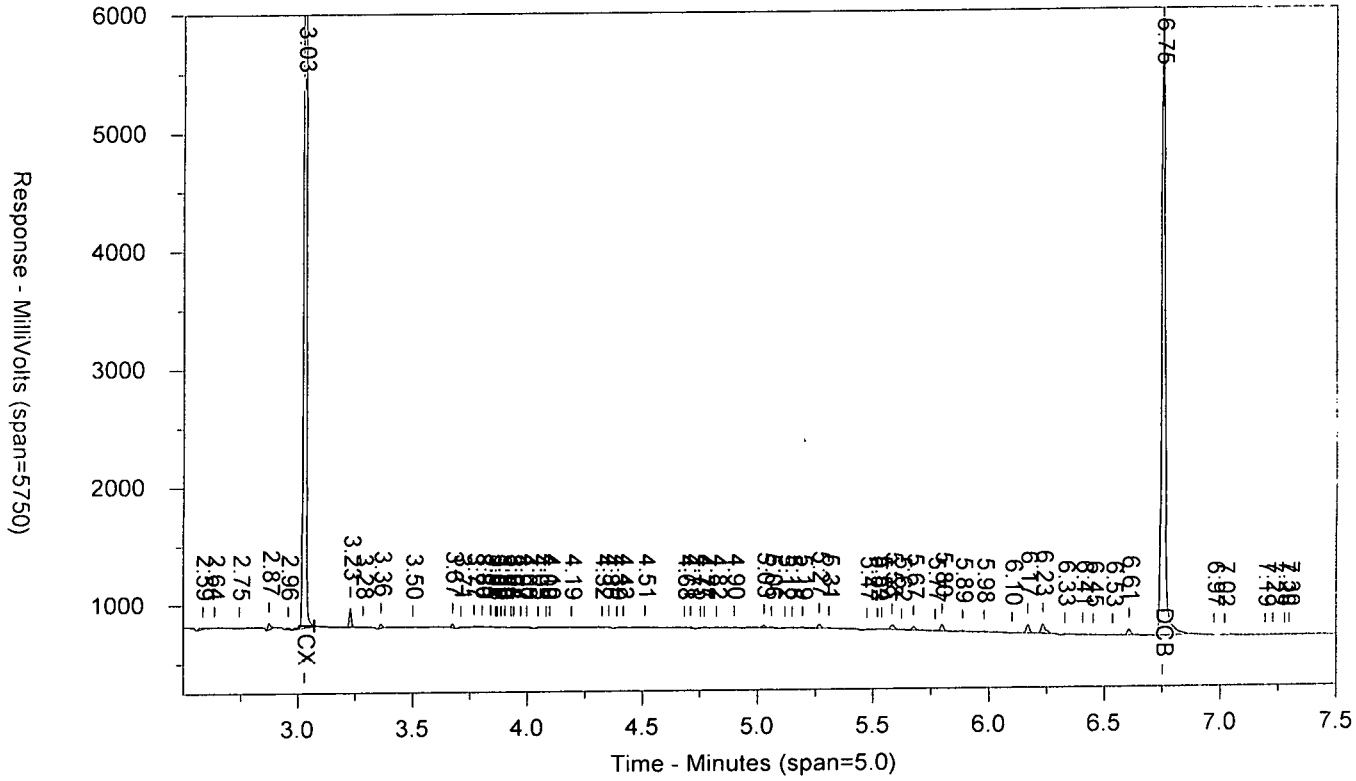

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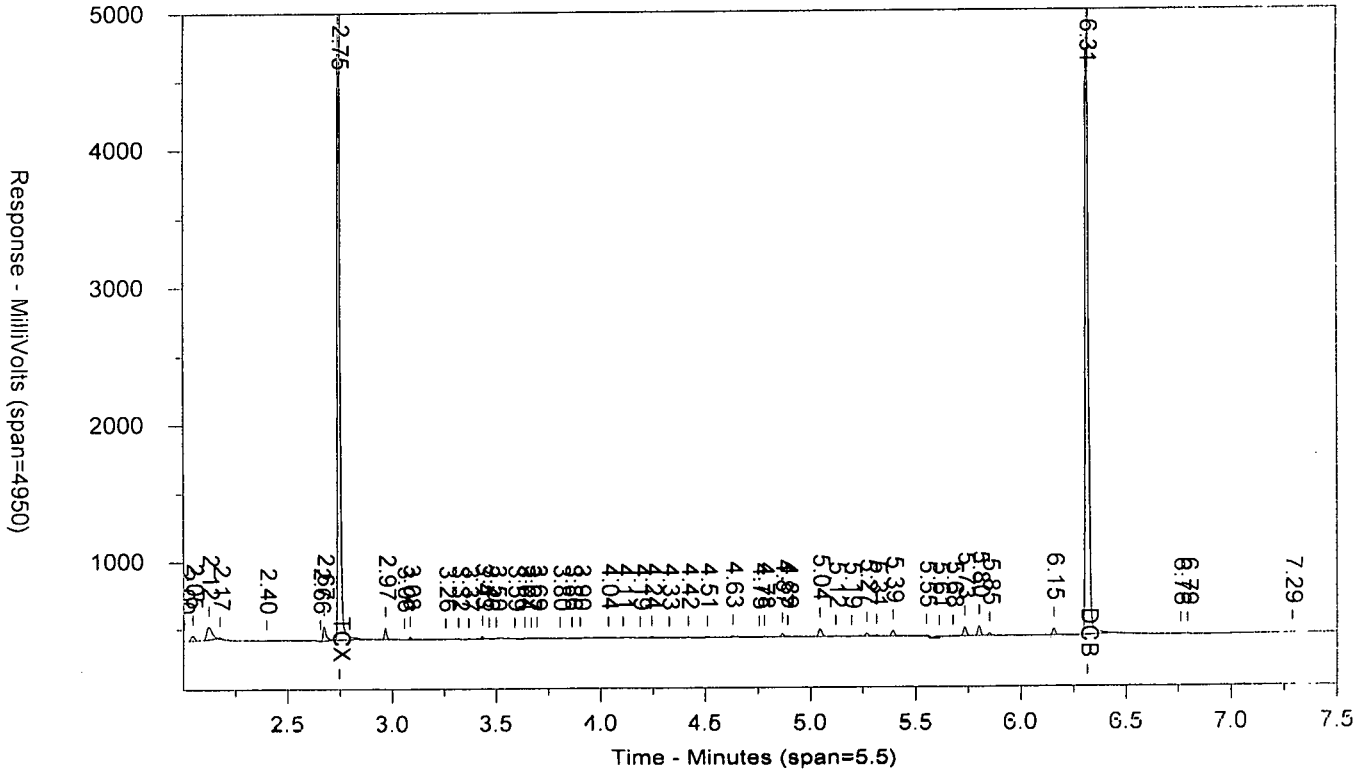

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082
Injected On: 10/25/2017 1:10:27 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.027	14092870	.222	TCX	2.746	6937053	.229	TCX
6.752	5487315	.215	DCB	6.315	5325224	.231	DCB

Files:
Area File: 07pcbs17292004.0086.RAW
Area File: 07pcbs17292004B.0086.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 1:19:09 PM
File Reported On: 10/25/2017 at 1:19:34 PM

IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082

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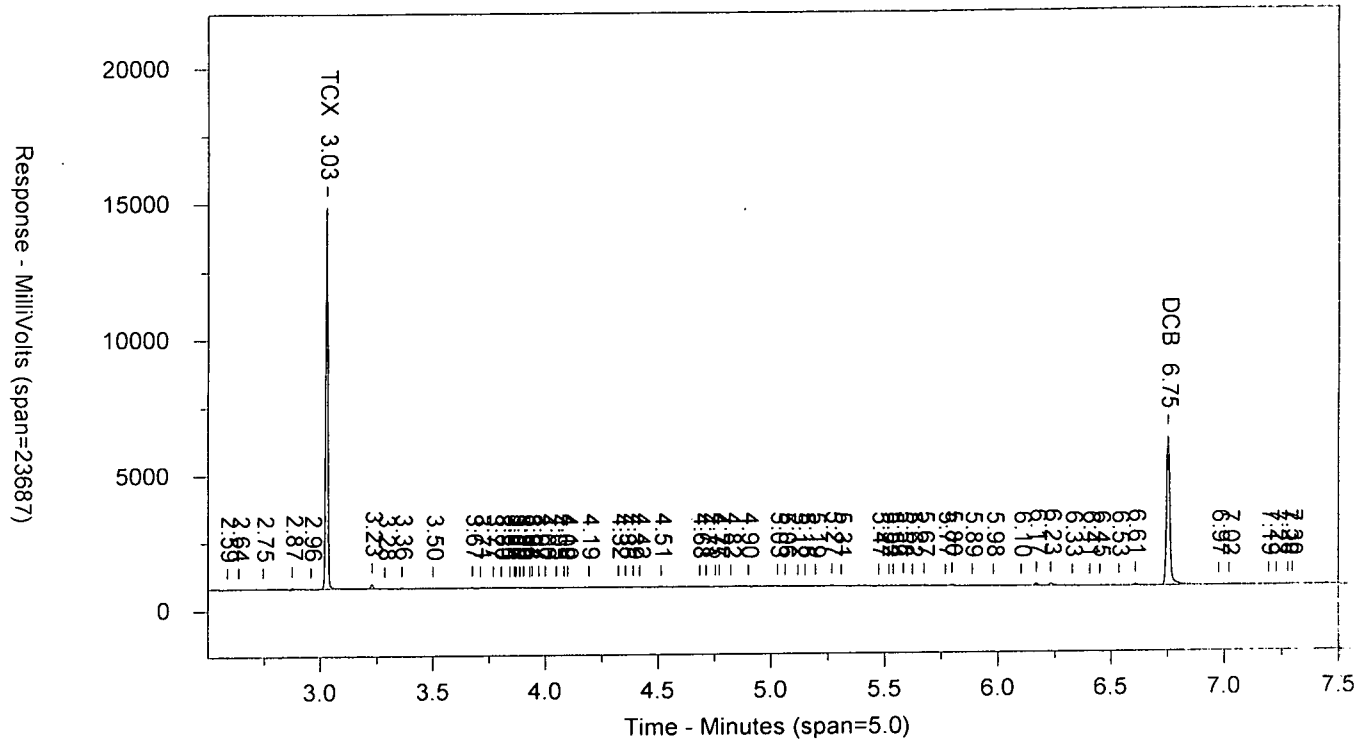

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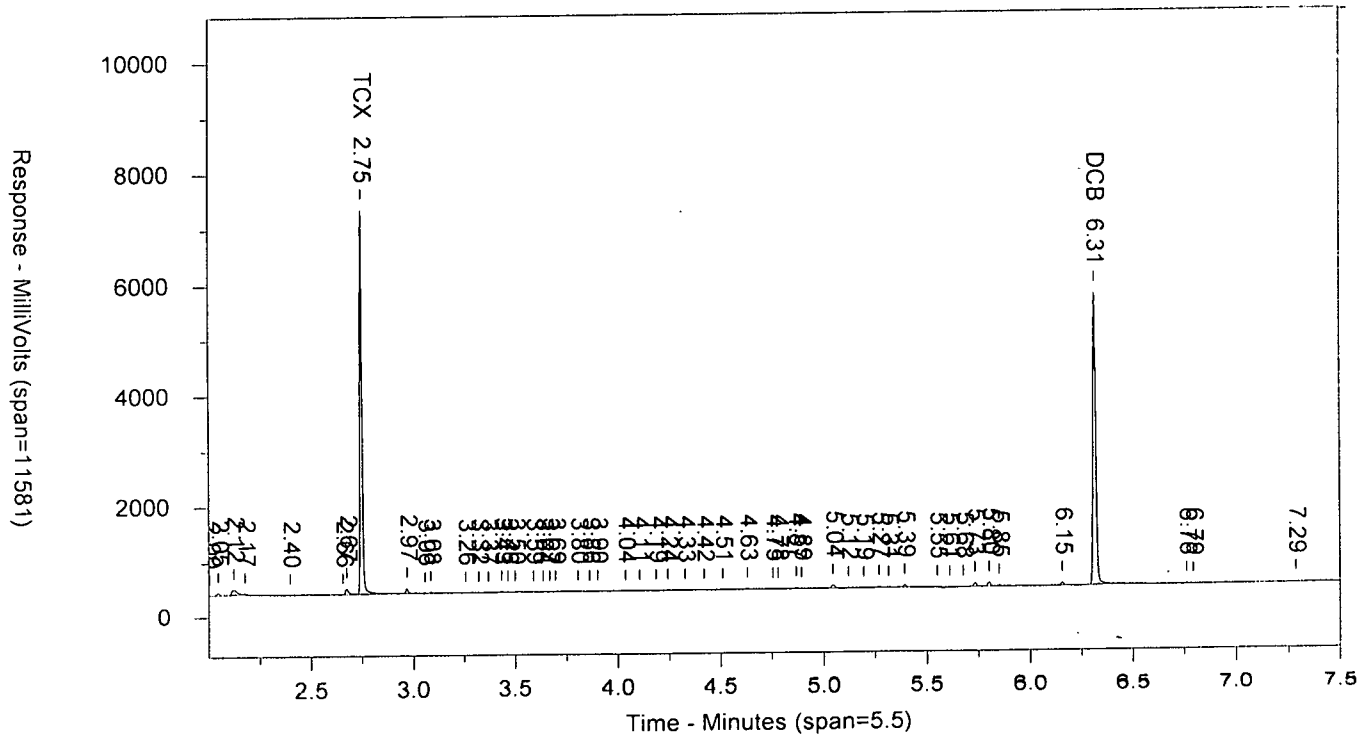

IBLKX1724B ZOPIBLKZO PIBLK1729699999 10225 SW-846 8082

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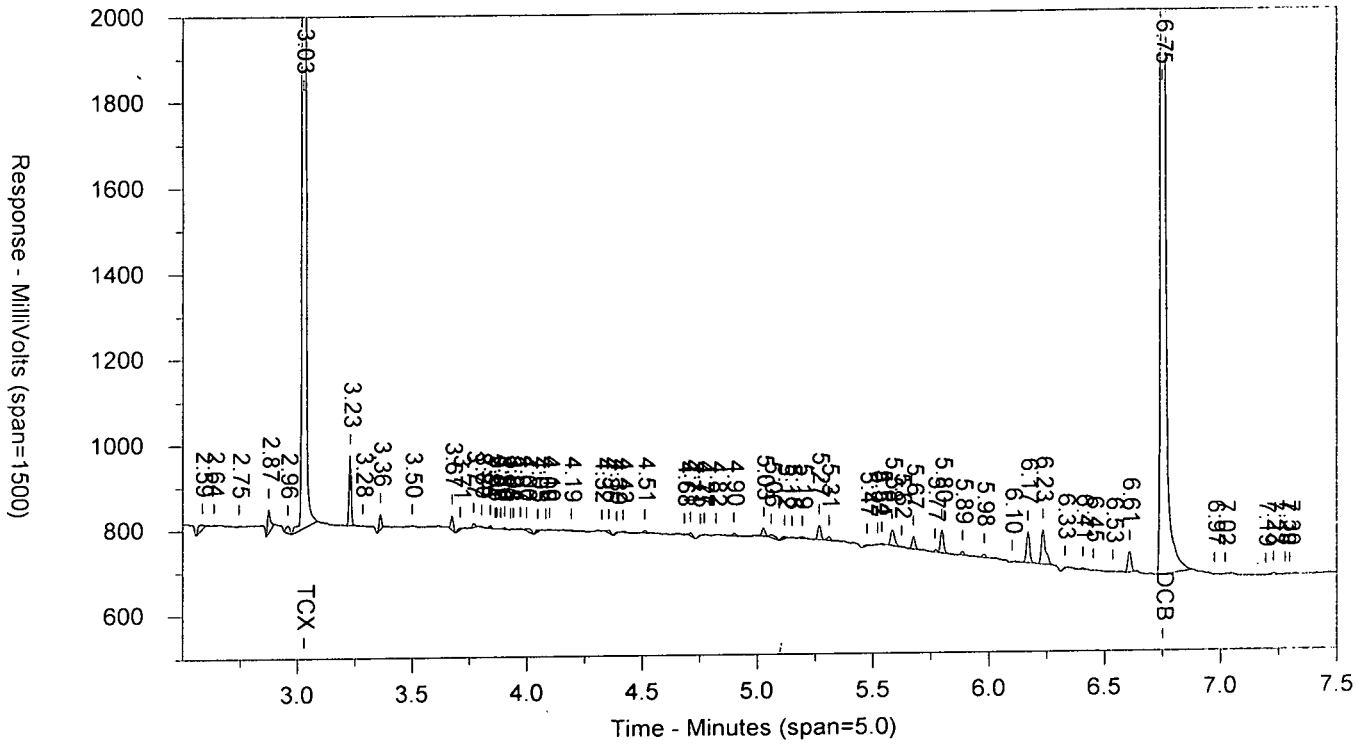

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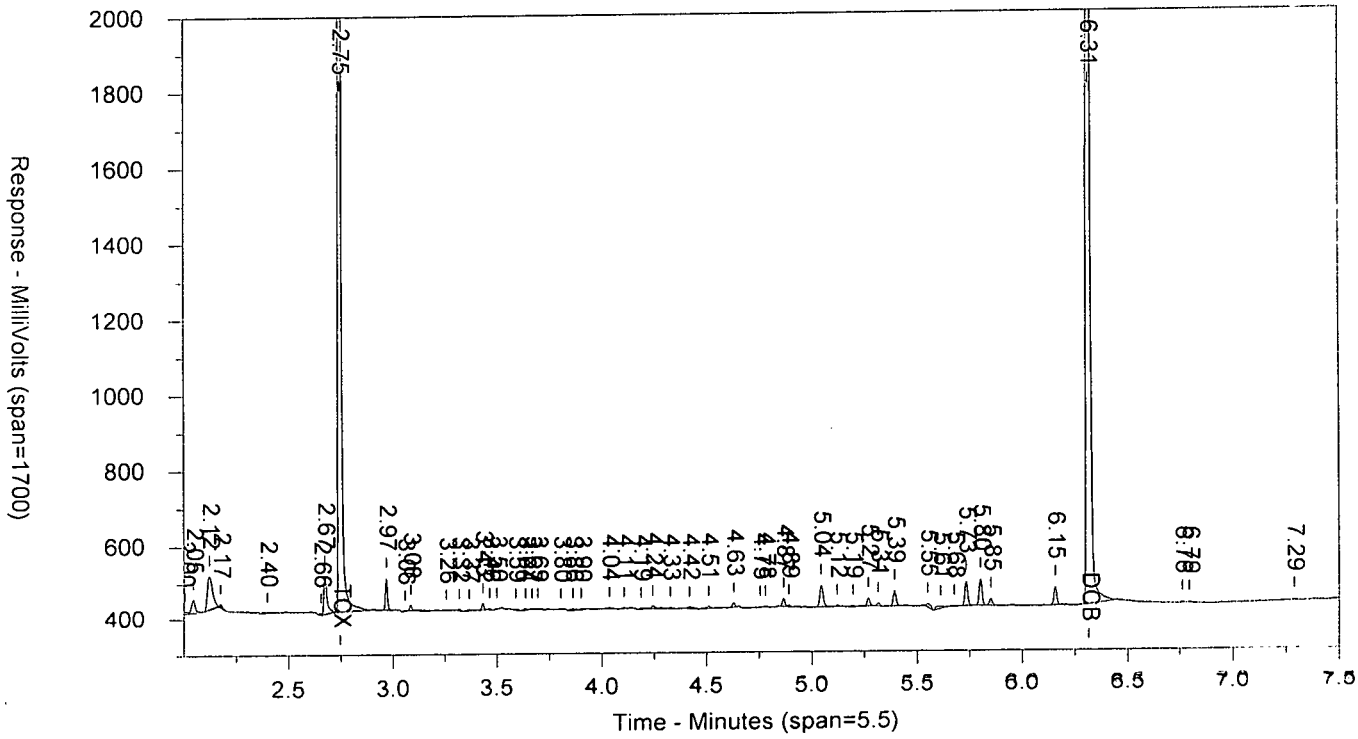

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM 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: 07PCBS17292003.0065.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.655		7645	38873
2.121		32836	62888
2.184		143517	449497
2.316		126023	95024
2.41		36540	23066
2.427		48725	33140
2.52		6254	5175
2.583		14035	26272
2.638		2363	1367
2.664		63520	45338
2.875		39753	35361
2.943		5969	3717
2.992		6192	6061
3.029	TCX	27826260	18179770
3.129		4742	2183
3.181		588887	498159
3.238		499096	489732
3.286		2306599	1535613
3.362		43925	24775
3.381		286157	180785
3.42		8508	4726
3.504		2355617	1366179
3.521		1133147	602253
3.558		224767	126133
3.574		153502	72992
3.588		97361	46281
3.62		2761117	1955315
3.656		10812	5253
3.675		41242	26096
3.695		225306	143928
3.731		496415	291132
3.747		258221	131375
3.793		1394452	709249
3.805		2481655	1293981
3.844		3074110	2290841
3.904		2479100	1856782
3.946		205476	143731
3.974		1622862	1152780
4.003		1106042	1172441
4.024		193496	85463
4.103		1776768	1245733
4.128		604163	390922
4.159		695262	493279
4.194		1834641	1948378
4.236		557993	444888
4.283		79928	70780
4.322		154869	106195
4.359		1680715	1279826
4.379		416756	241897
4.404		437316	330948
4.474		216568	189222
4.518		1662164	1628530
4.553		98629	71632

RT A	Compound A	Height A	Area A
4.593		1273	331
4.615		55867	47685
4.657		845542	823942
4.714		267069	182217
4.731		334754	214227
4.776		956995	844388
4.824		1476949	1596191
4.863		441826	321273
4.903		3386016	3163612
4.946		143418	119807
4.992		514681	531338
5.028		314205	245437
5.052		436151	361500
5.105		2862390	2210638
5.121		378337	181570
5.157		783899	696370
5.197		1867225	1965286
5.239		56112	33057
5.273		531360	641929
5.311		4430228	3931195
5.334		183407	84001
5.352		121592	56289
5.376		2221896	1917388
5.418		1357746	1295489
5.516		358361	295716
5.539		2356372	2015570
5.596		1212579	1033443
5.636		667375	615669
5.677		334721	312984
5.718		771529	745516
5.775		5425277	4749149
5.797		122932	76155
5.981		3396160	3122772
6.035		895101	1649829
6.169		234305	230199
6.233		161026	134230
6.252		463481	357271
6.406		1249083	1204609
6.451		61372	53501
6.535		2876	1519
6.607		384662	402755
6.754	DCB	9970528	10555550
7.138		1542	499
7.23		7339	7940
7.294		1922	740
7.405		790	348
7.523		1292	557
7.711		1594	1090
7.806		1518	430
7.938		1364	796
8.101		1473	1409
8.259		1782	727
8.271		1953	541
8.369		1522	410
8.611		1495	467

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM 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, 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: 07PCBS17292003B.0065.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.664		3820	26466
1.891		1695	1776
2.048		67478	86240
2.128		63020	125361
2.177		22460	17514
2.271		2984	2621
2.396		4353	7111
2.428		36474	30264
2.675		66760	55997
2.748	TCX	13788900	9631031
2.79		105234	81348
2.92		381798	303870
2.968		81603	39812
2.982		175025	98926
3.035		1209930	895151
3.086		25044	15050
3.147		181318	138295
3.244		1465117	1688611
3.296		161485	104461
3.318		144256	92044
3.345		75826	43109
3.368		1464592	1118245
3.405		141863	92261
3.432		19378	9263
3.451		291720	166967
3.466		158245	80962
3.518		514592	291844
3.527		1303687	621558
3.547		30320	8652
3.561		1357184	1086809
3.637		1468466	1058430
3.67		942289	630624
3.695		1219874	745021
3.713		219507	107811
3.804		1178803	885665
3.828		401724	238338
3.851		424804	283835
3.882		374671	219494
3.9		822484	537039
3.943		373147	313728
3.991		160990	167519
4.016		180314	122423
4.038		1293153	942863
4.064		213578	132882
4.085		47635	24019
4.104		128744	84077
4.141		1076824	837654
4.178		66735	44325
4.195		161144	106021
4.242		6049	3962
4.264		10092	9133
4.284		447159	484068
4.33		58615	36935
4.354		289749	228357

4.399		257245	160445
4.419		94170	58650
4.431		673803	435687
4.459		415684	436955
4.512		2435815	2192995
4.556		113362	93717
4.585		186396	137348
4.61		460543	339393
4.632		70984	34358
4.654		2598862	2229847
4.763		2411494	2469517
4.819		339692	318116
4.859		592601	618731
4.895		2736864	2461588
4.929		1304578	1090104
4.969		907485	784980
5.031		6584	6406
5.074		334530	371040
5.125		1757493	1557673
5.15		209612	133703
5.2		961696	936676
5.236		450802	366093
5.265		338657	342302
5.297		56210	38083
5.319		4192668	3832250
5.36		75084	55306
5.394		374250	341140
5.512		35034	22527
5.534		866007	773591
5.58		2858623	3355758
5.735		208944	194972
5.778		57547	42010
5.804		299070	261996
5.852		567973	538040
5.956		1088547	1000825
5.988		53210	37265
6.157		388086	379670
6.317	DCB	9457038	9402702
6.765		6825	6259
6.799		2807	2719
7.734		1613	6261
8.198		1362	1454
8.268		1190	2453
8.401		1673	2417
8.625		3586	6330

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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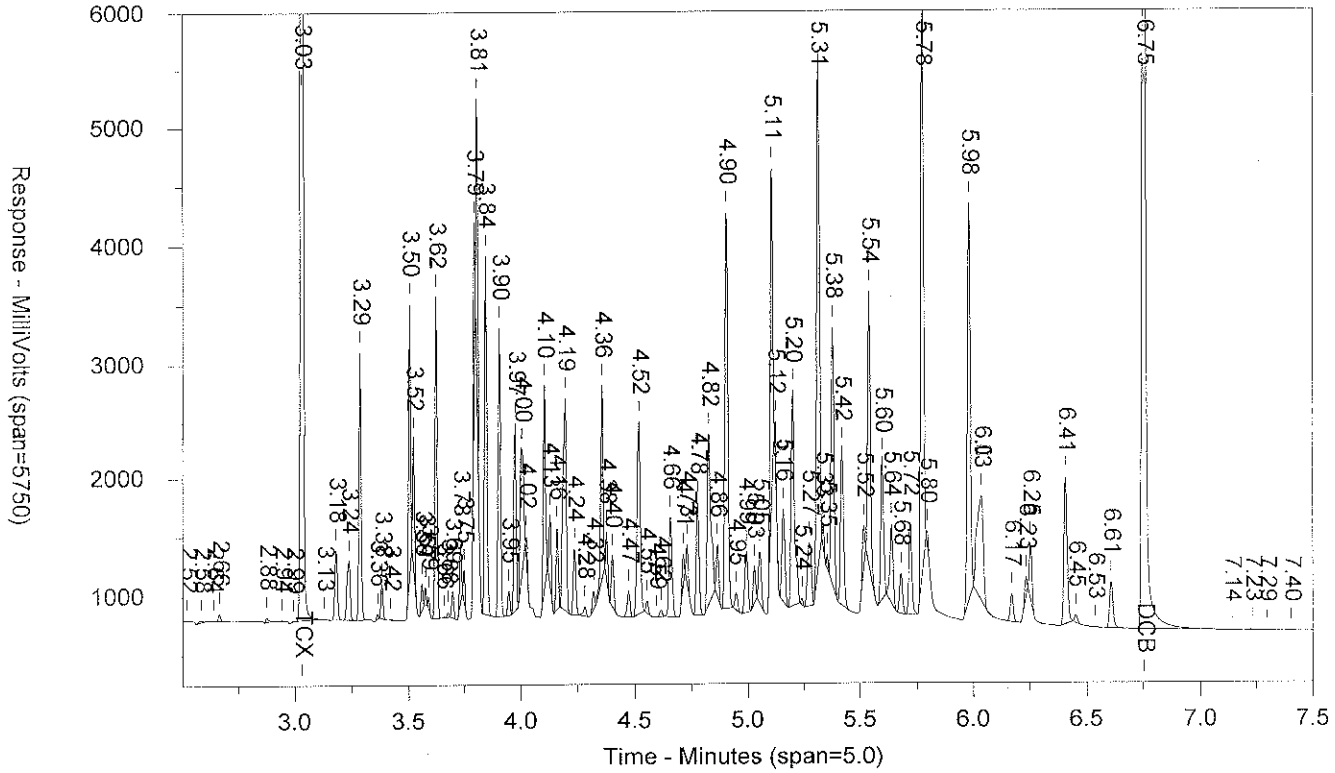

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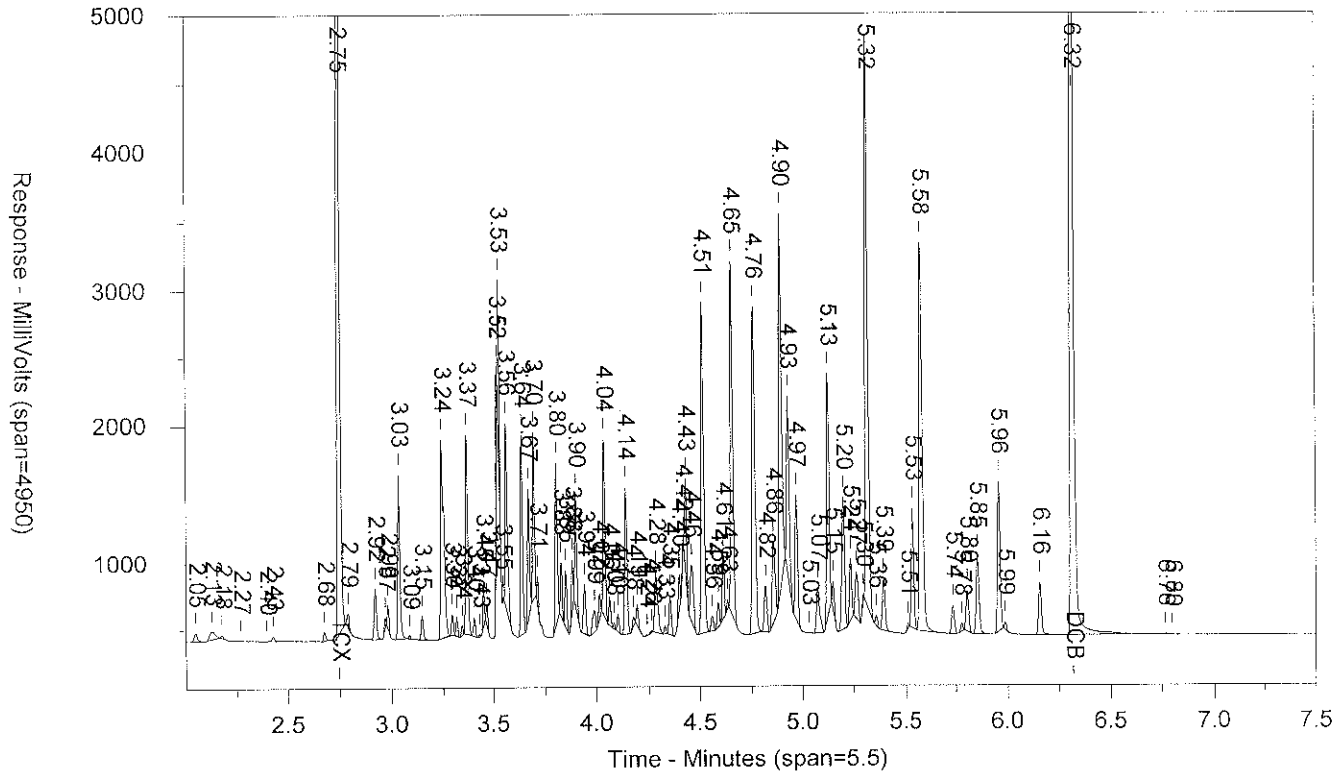

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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

Sample Weight: 1
Dilution Factor: 1

Threshold: 8
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
3.029	27826260	43.824	TCX	2.748	13788900	45.426	TCX
6.754	9970528	39.066	DCB	6.317	9457038	40.986	DCB

Files:
Area File: 07PCBS17292003.0065.RAW
Area File: 07PCBS17292003B.0065.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 7:51:07 AM
File Reported On: 10/24/2017 at 7:51:26 AM

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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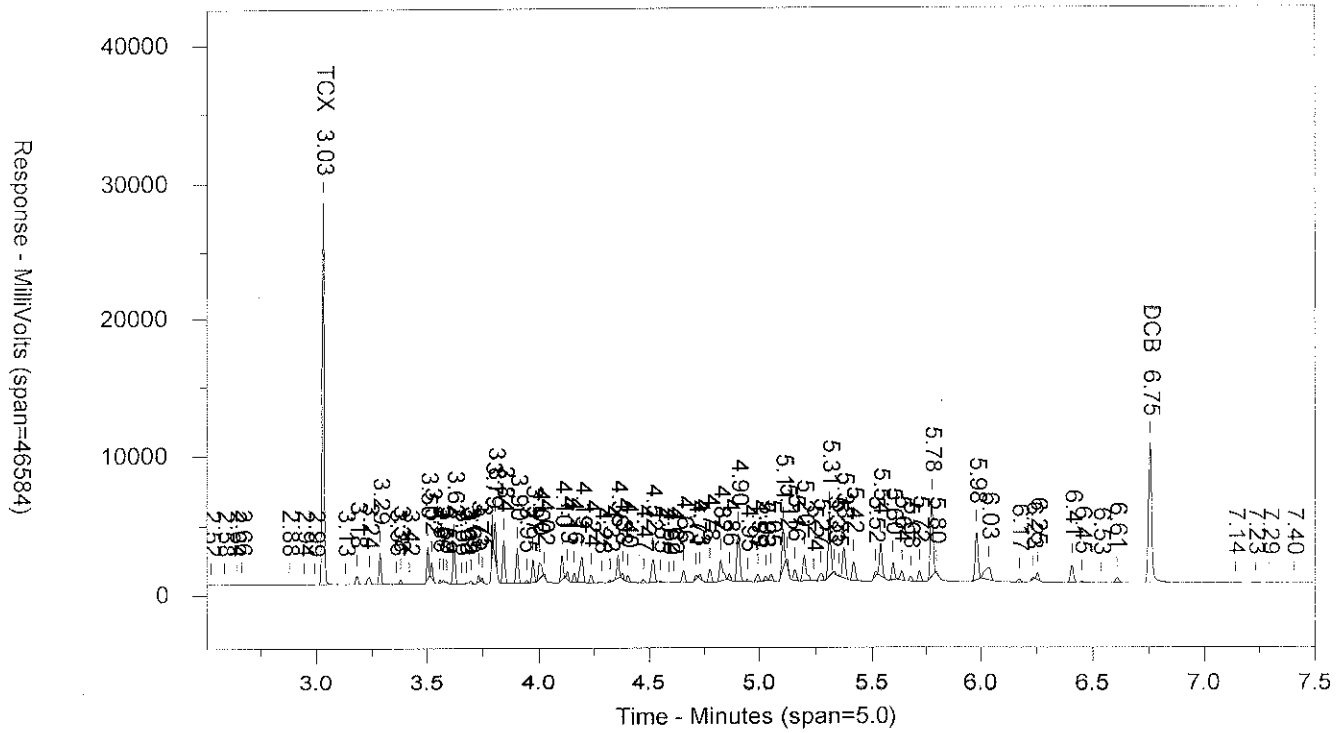

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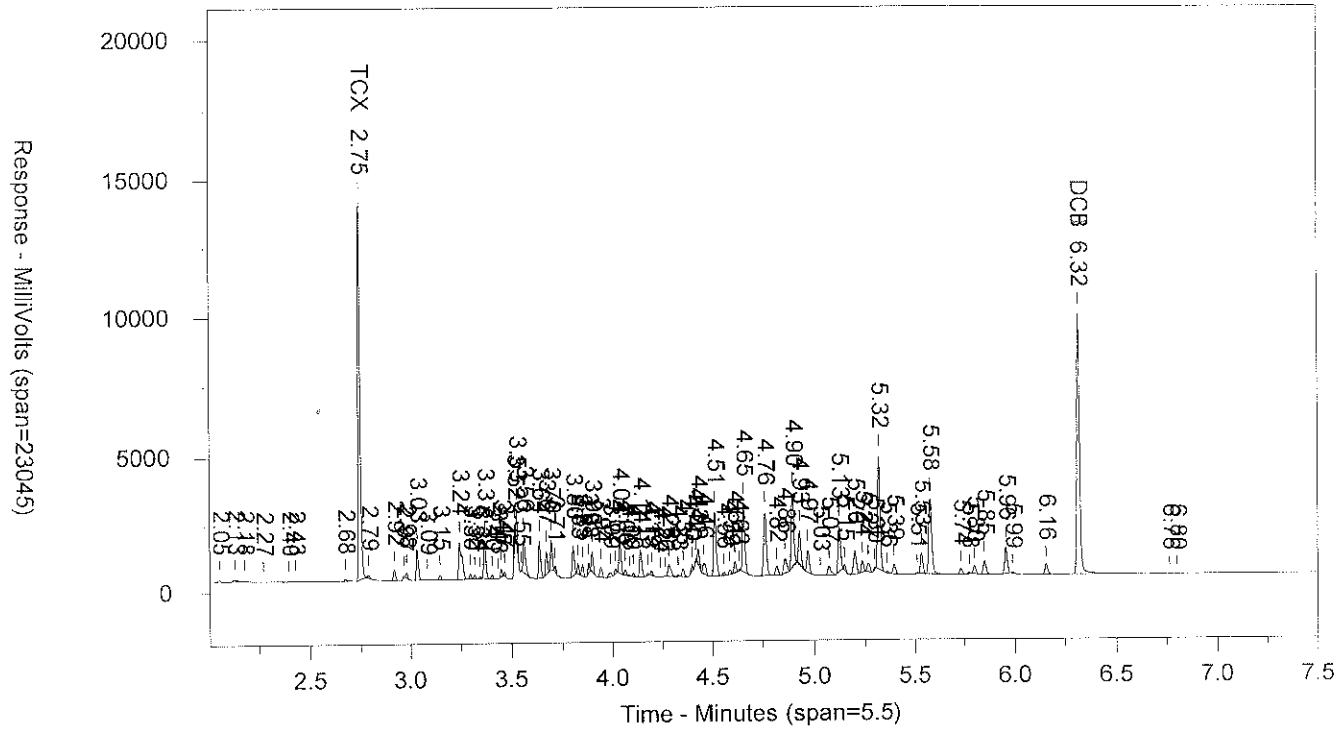

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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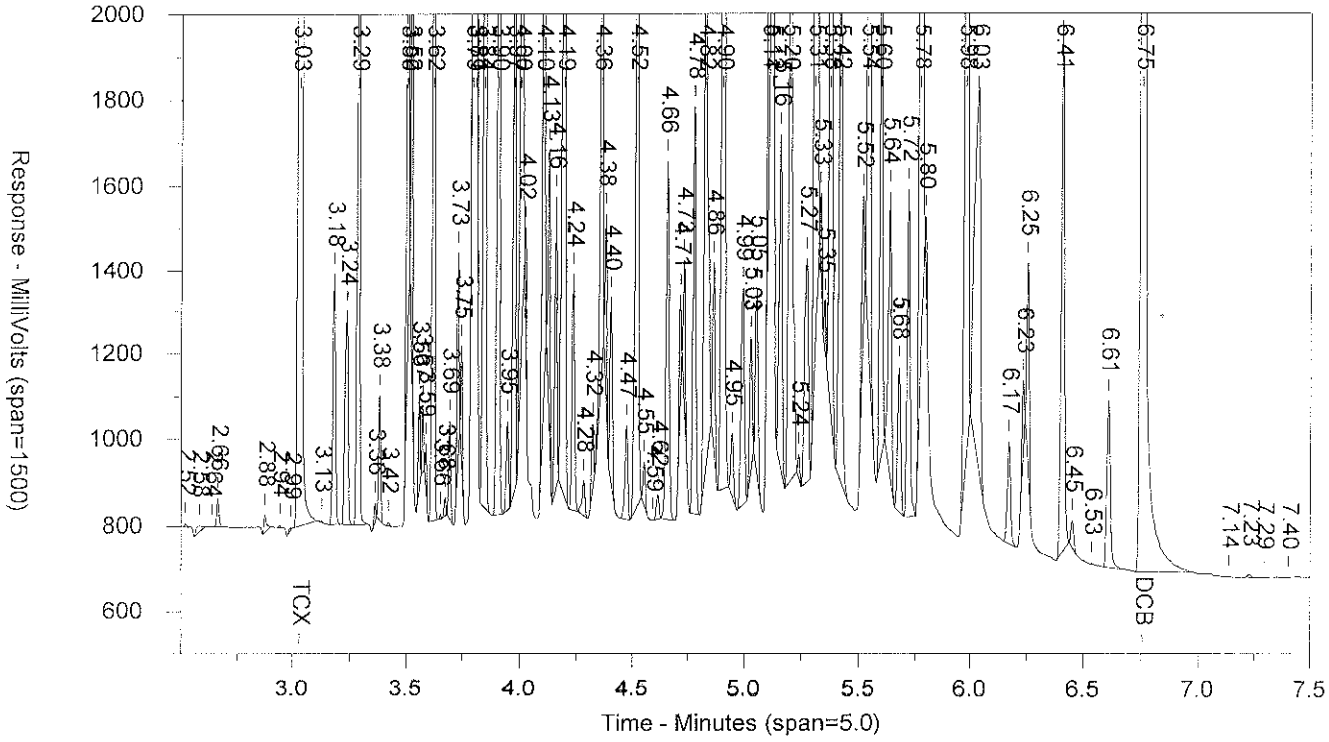

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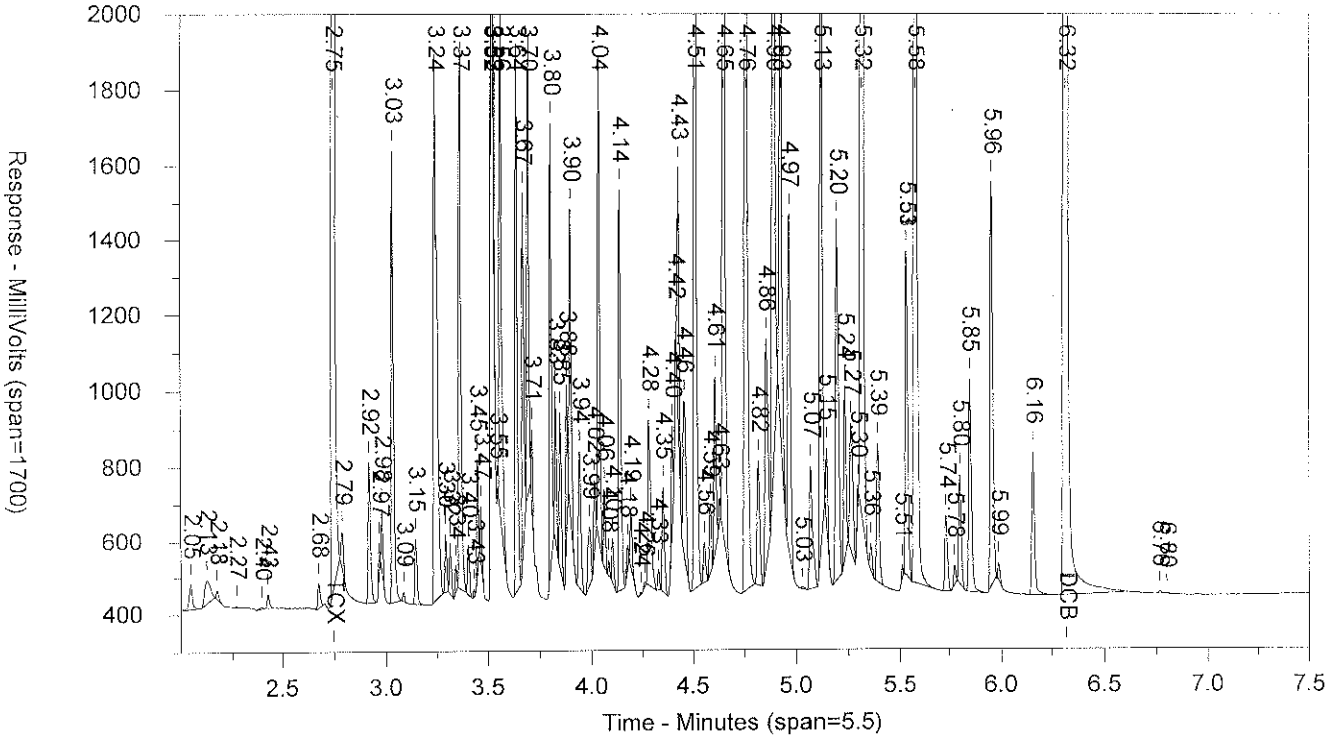

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 AM 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: 07PCBS17292003.0066.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.528		2116	847
1.654		9757	38814
1.735		1939	2177
1.81		2256	1466
2.131		37679	124138
2.187		144784	363240
2.242		50899	88140
2.316		70015	61238
2.41		33807	22373
2.427		25498	16960
2.467		2440	2200
2.521		4004	2989
2.583		5793	10707
2.64		3431	2159
2.666		3444	2800
2.876		35008	31571
2.924		6242	10081
2.96		8380	8536
2.995		4888	7050
3.029	TCX	13969330	9014202
3.114		3077	2833
3.231		164490	105731
3.287		5141	3769
3.363		32549	22215
3.62		7161	4740
3.677		27270	19805
3.711		3741	3992
3.779		2019	1498
3.815		7871	5623
3.847		8355	6058
3.882		1414	784
3.904		7301	5643
3.943		1656	505
3.948		2366	944
3.972		1668	775
4.01		4266	5968
4.052		10819	13405
4.1		1915	915
4.187		10150	14473
4.218		1520	386
4.235		5102	3693
4.343		2117	1479
4.383		8689	6976
4.421		5458	4272
4.439		1685	579
4.515		12671	12129
4.547		1452	716
4.612		5004	4113
4.661		18506	20067
4.715		35618	31689
4.766		2317	4796
4.863		8055	7523
4.945		2648	2041

RT A	Compound A	Height A	Area A
4.989		5288	4824
5.029		130659	121936
5.062		5021	9186
5.124		9976	11106
5.159		7195	5858
5.19		5267	4932
5.217		15645	13758
5.27		148238	152263
5.374		2113	1221
5.472		28587	35520
5.525		41464	74271
5.591		22308	72671
5.634		9468	11622
5.678		100671	101416
5.799		150084	147058
5.981		4512	3277
6.024		2364	1300
6.109		3800	3209
6.17		90321	94290
6.234		132731	112078
6.406		36037	62147
6.453		3947	12729
6.479		39819	42054
6.607		58130	61495
6.696		1665	810
6.754	DCB	4978181	5354253
7.034		1214	411
7.23		4421	5769
7.254		1754	1132
7.283		1043	529
7.343		1130	879
7.392		1204	430
7.638		1316	823
7.663		1266	424
7.753		1379	741
7.82		1245	393
7.916		1224	576
8.013		1275	413
8.123		1390	1213
8.158		1658	729
8.289		1381	346
8.523		1435	417
8.637		1574	334
8.657		1625	1017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 AM 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, 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: 07PCBS17292003B.0066.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.622		5075	17078
1.665		4298	10247
1.909		26729	77539
2.048		42744	97138
2.129		57985	112841
2.176		11091	8936
2.397		4978	9815
2.562		3158	11991
2.675		57679	63004
2.747	TCX	6881297	4983562
2.968		87187	62063
3.034		4181	2801
3.086		14808	15351
3.148		2177	1717
3.318		5334	5812
3.371		7195	11018
3.432		15760	10283
3.465		5029	2979
3.527		2928	3080
3.572		3064	2065
3.592		4643	5721
3.638		7701	8076
3.682		4340	6947
3.883		9115	10398
3.915		6471	6238
3.945		3781	3032
3.992		3127	2188
4.042		8783	6833
4.196		9955	9141
4.248		3721	3320
4.285		3453	2144
4.308		8577	5339
4.33		19177	14992
4.4		3881	3104
4.435		4859	8072
4.515		8856	12699
4.557		2519	2376
4.631		90442	94506
4.761		7903	6678
4.821		12561	9801
4.842		7115	5719
4.87		72929	57205
4.943		20600	88277
5.05		2537	4689
5.125		4962	4119
5.152		3075	2330
5.192		11217	11952
5.235		2908	1464
5.272		70621	64598
5.395		120578	116604
5.583		6176	8407
5.737		88612	81979
5.804		180697	191091
5.856		30335	26501

5.961		4082	29096
6.158		56935	51584
6.319	DCB	4809578	4767373
6.769		3756	3623
7.36		1199	1006
8.412		1875	2203
8.632		4114	8413

IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082

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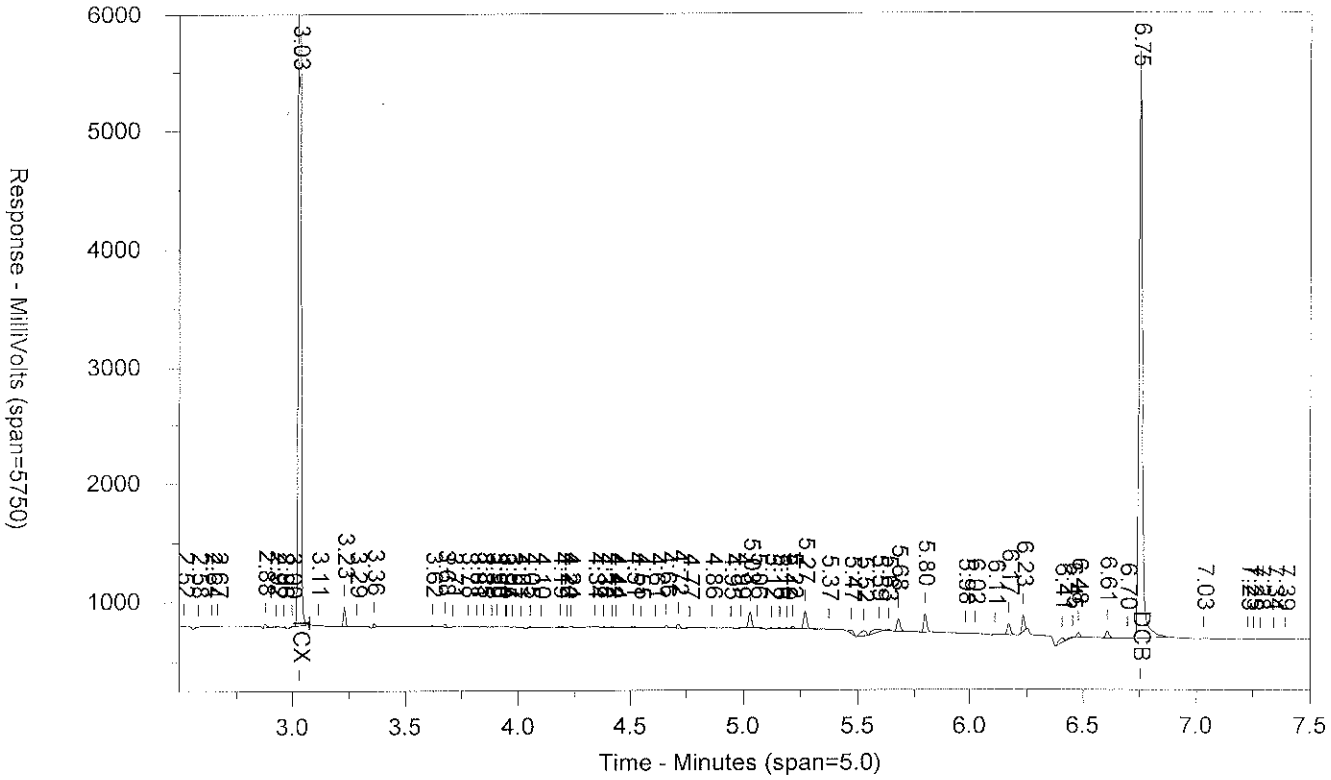

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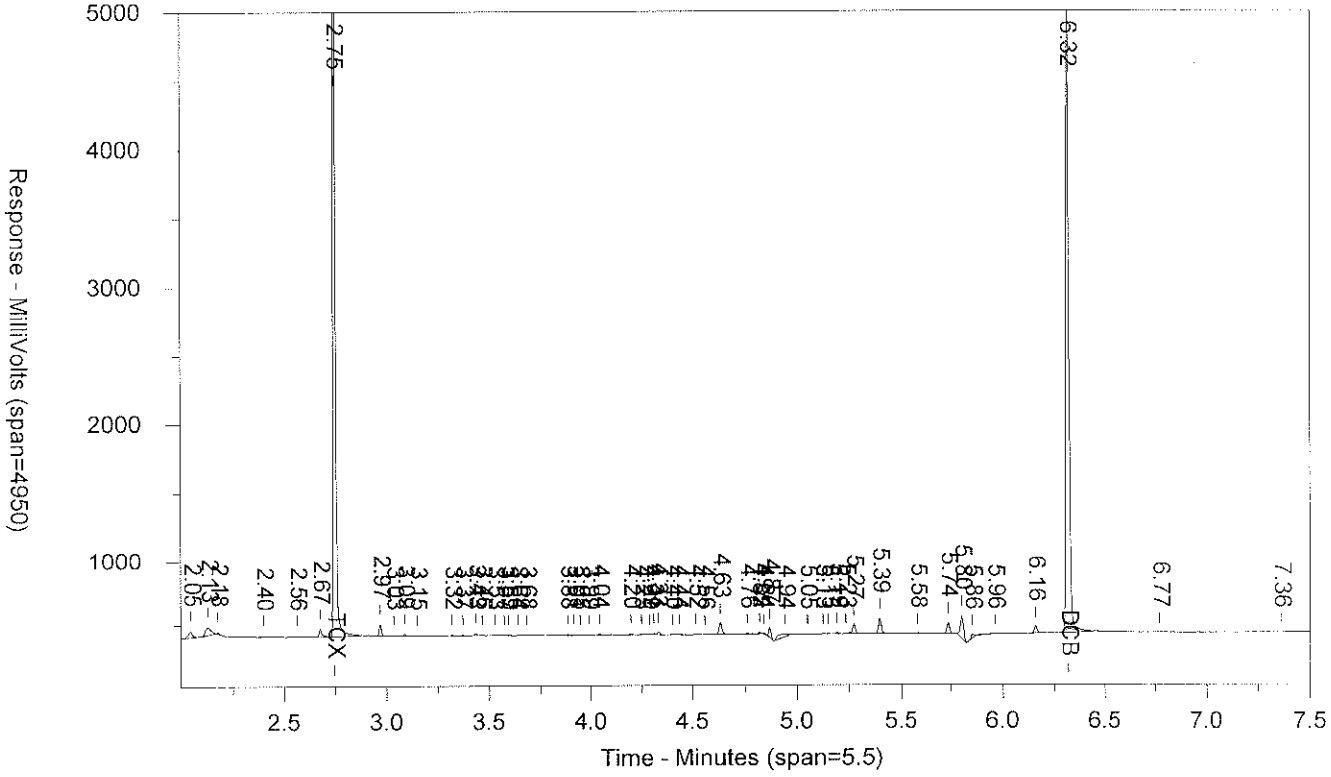

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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

Sample Weight: 1000
Dilution Factor: 10

Threshold: 8
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
3.029	13969330	.22	TCX	2.747	6881297	.227	TCX
6.754	4978181	.195	DCB	6.319	4809578	.208	DCB

Files:
Area File: 07PCBS17292003.0066.RAW
Area File: 07PCBS17292003B.0066.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:02:38 AM
File Reported On: 10/24/2017 at 8:02:58 AM

IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082

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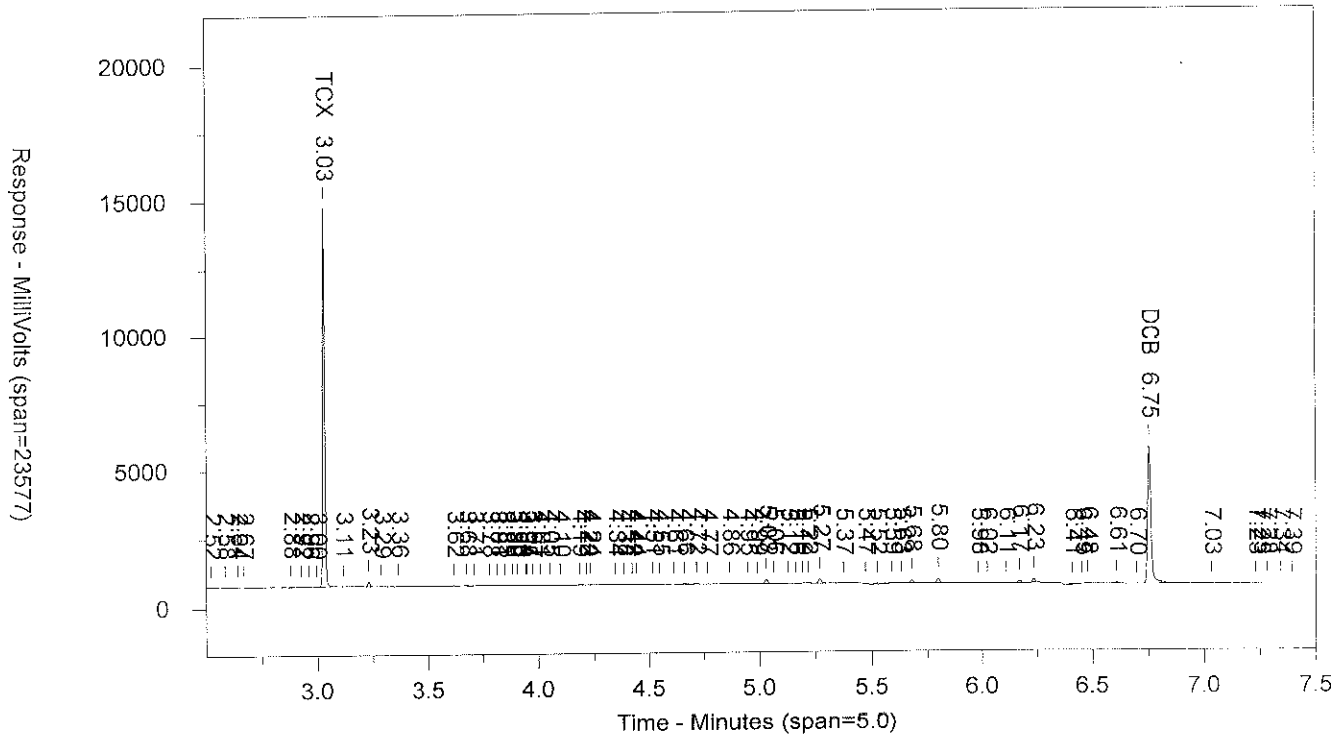

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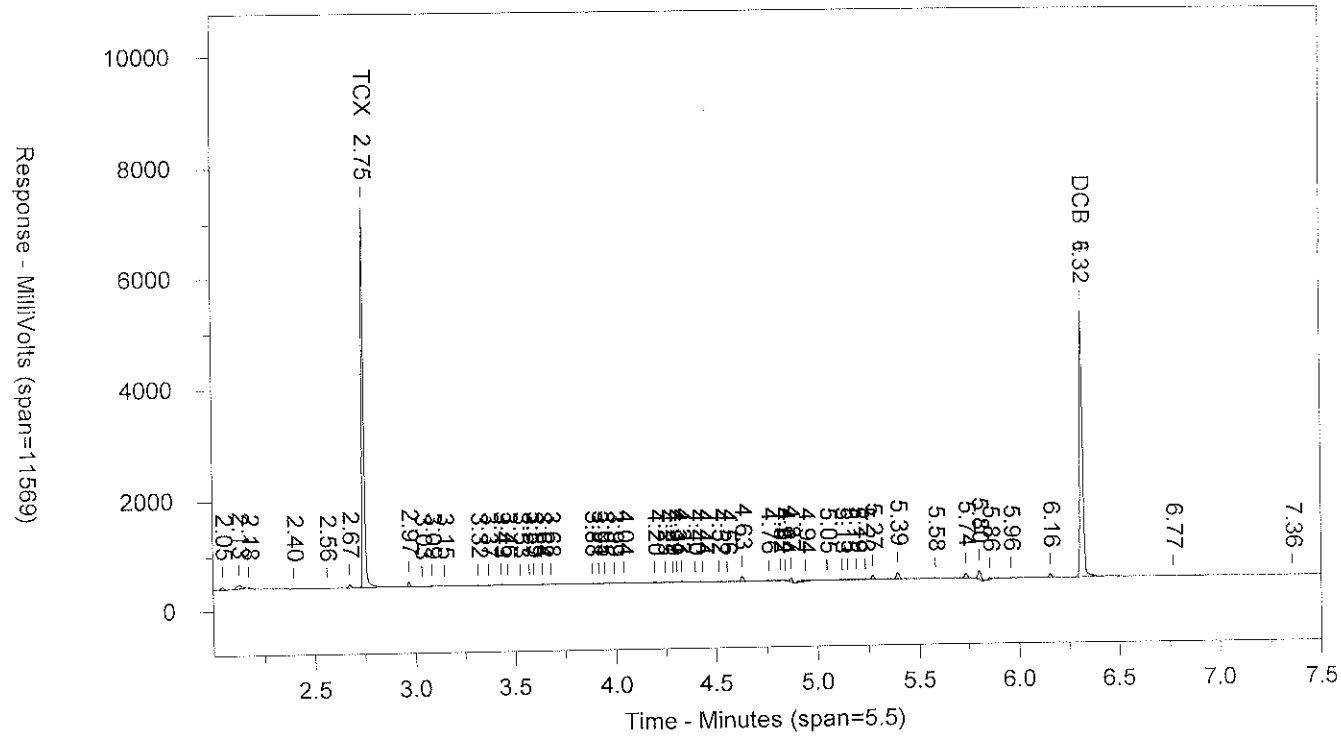

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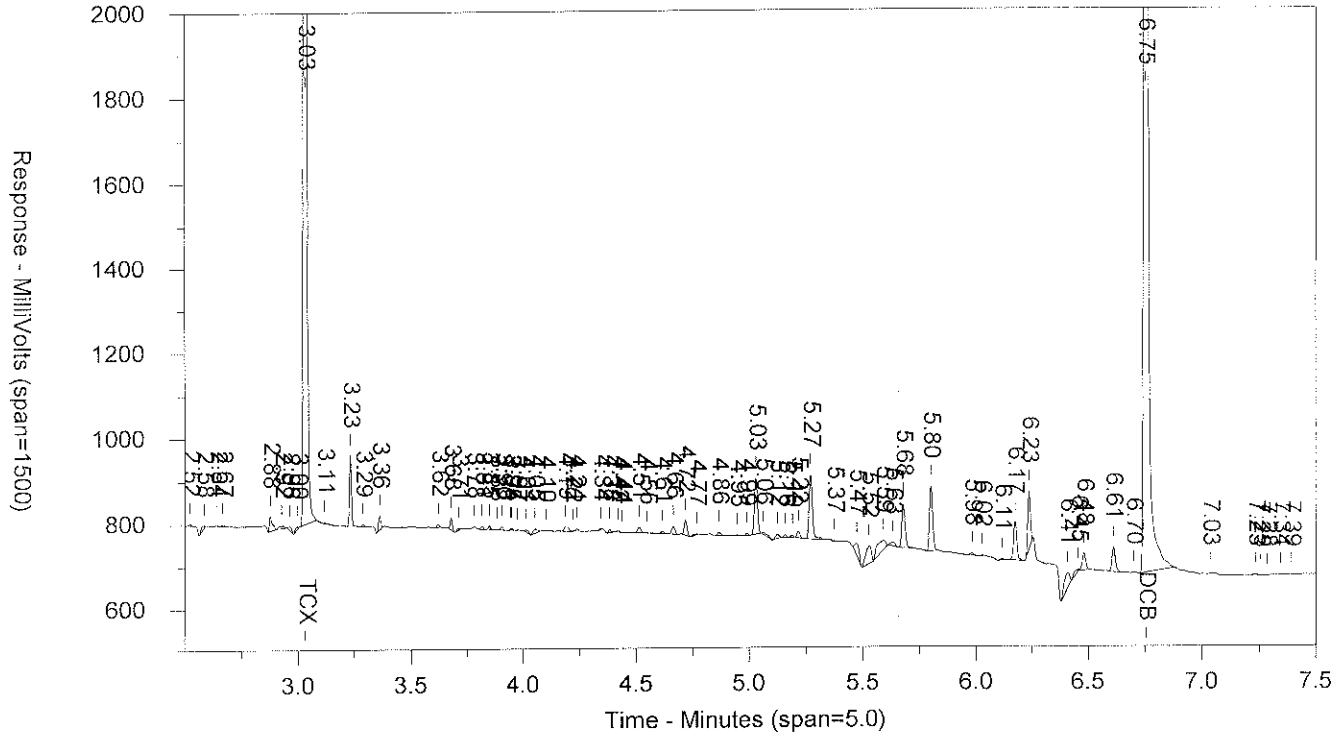

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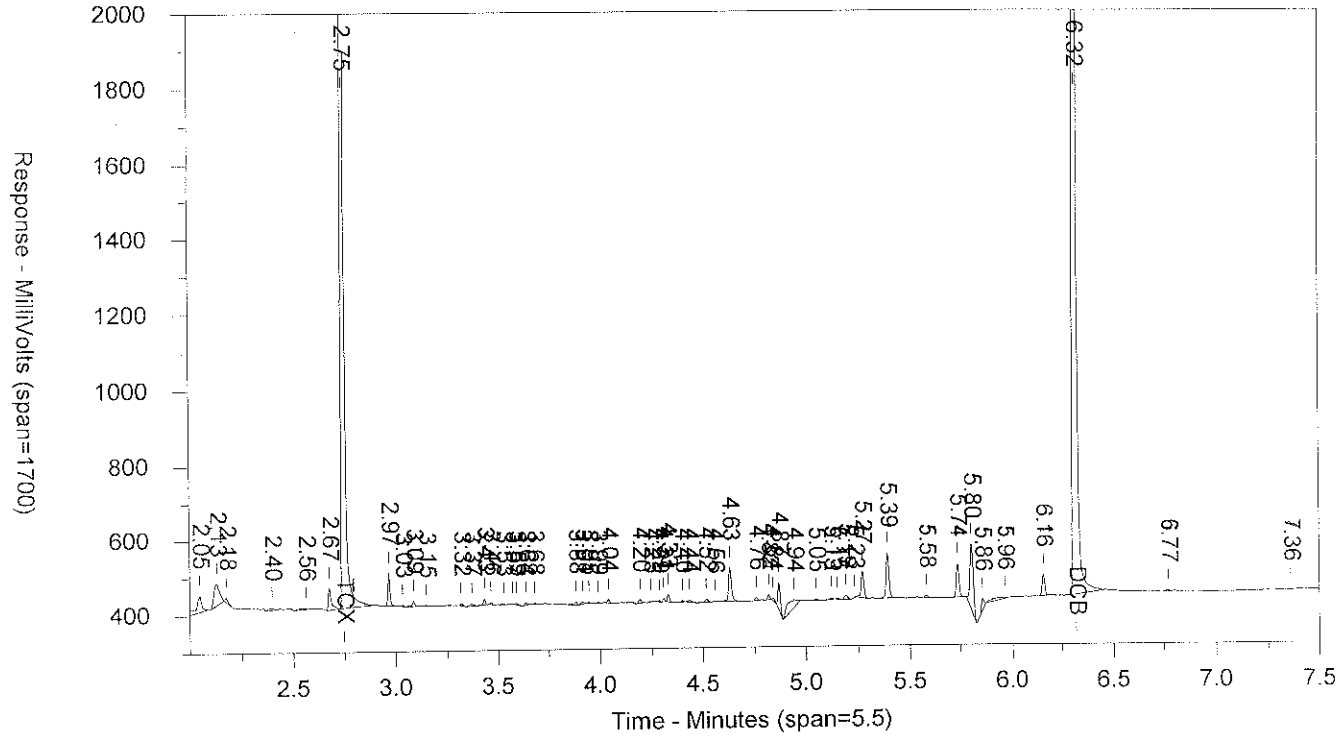

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM 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: 07PCBS17292003.0071.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.664		9000	68621
1.807		2710	1383
1.941		2405	654
2.131		39373	94087
2.183		140157	360384
2.314		121029	88065
2.409		28182	18181
2.426		47768	32525
2.519		5374	4562
2.585		12360	26931
2.662		65934	46105
2.874		33104	23116
3.028	TCX	27158730	17931370
3.129		4524	2135
3.18		582859	499045
3.236		492795	482306
3.285		2285355	1510264
3.361		41980	23186
3.38		290915	181690
3.421		8812	5694
3.452		1960	828
3.502		2301196	1334980
3.518		1106740	598597
3.556		229038	125633
3.572		162501	75572
3.585		100049	42489
3.618		2747637	1932804
3.653		10008	5241
3.673		37456	23757
3.693		215997	139746
3.729		490117	282868
3.745		261936	131423
3.791		1316832	724287
3.803		2287123	1213435
3.841		2990536	2257482
3.902		2449342	1830235
3.944		206264	144311
3.972		1565701	1132721
4.001		1147200	1184535
4.022		213409	96527
4.048		19618	9845
4.1		1778277	1224926
4.125		623361	397957
4.157		692221	486101
4.192		1800987	1927539
4.235		559448	440011
4.281		81573	71536
4.319		158152	107903
4.357		1658372	1284980
4.378		437653	250360
4.402		448553	331106
4.472		211894	187425
4.516		1714231	1611736

RT A	Compound A	Height A	Area A
4.551		98770	69438
4.613		54913	47323
4.655		824365	801053
4.712		246492	166923
4.728		337909	212096
4.775		933910	836228
4.823		1481525	1582081
4.861		438685	316623
4.901		3439061	3129799
4.944		136718	121657
4.991		509983	528005
5.027		332002	260059
5.051		438785	361760
5.104		2777596	2238424
5.12		305445	177959
5.154		802112	698670
5.196		1831014	1957358
5.238		51459	31437
5.272		542573	651791
5.31		4427485	3906307
5.333		185821	86162
5.35		104390	49836
5.375		2206800	1909763
5.417		1375240	1285977
5.514		383080	318891
5.538		2305182	2012741
5.595		1185185	1025243
5.635		656923	611812
5.675		344839	316224
5.717		763986	739525
5.774		5260014	4689624
5.796		164271	86352
5.98		3352229	3100620
6.034		919097	1637230
6.167		234034	222641
6.231		180462	140574
6.25		468999	361039
6.404		1212426	1175198
6.45		58816	51607
6.605		388172	388673
6.751	DCB	9590227	10082080
7.048		3384	3084
7.228		5927	5676
7.331		1869	952
7.588		789	744
7.635		1525	470
7.65		1772	459
7.755		1187	564
7.948		1335	352
7.979		1575	636
8.165		981	351
8.306		1281	618
8.366		1352	495
8.497		1167	619
8.558		1310	343
8.584		1823	383

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM 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, 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: 07PCBS17292003B.0071.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.632		1900	12255
1.916		2724	7129
2.006		3605	7855
2.048		63187	64385
2.129		54840	113337
2.177		23596	19346
2.268		3295	3083
2.395		4113	6790
2.428		38564	34059
2.656		3745	1988
2.675		60630	51056
2.747	TCX	13750800	9422433
2.79		112719	85572
2.92		377551	301375
2.968		81154	38725
2.981		165527	91685
3.034		1191358	876521
3.085		23308	14534
3.147		182709	138448
3.243		1466051	1653453
3.295		161872	101949
3.317		142099	91250
3.344		73921	42488
3.367		1463312	1102305
3.404		138093	91580
3.431		18881	8540
3.45		287874	161531
3.466		150623	77986
3.516		405727	258525
3.526		1191681	612779
3.561		1407946	1169684
3.636		1453012	1040470
3.669		923690	618450
3.694		1182061	733597
3.712		214523	108051
3.803		1136391	864197
3.827		400729	234667
3.849		422935	274638
3.881		372228	218393
3.898		797294	534028
3.942		377972	310251
3.989		165472	168822
4.015		182618	123154
4.037		1279823	927441
4.063		212398	132298
4.084		47007	23284
4.103		126031	83555
4.14		1023018	823049
4.176		57969	40636
4.194		153631	106183
4.24		5264	2904
4.263		11638	9327
4.283		436485	468766
4.328		62129	39541

4.353		281469	222540
4.399		245174	153954
4.417		123467	66897
4.43		692690	429449
4.458		417508	430849
4.512		2477255	2150822
4.555		101769	88027
4.584		191802	138177
4.609		460075	330223
4.63		78646	39230
4.653		2592368	2215849
4.761		2383676	2430550
4.818		339095	313150
4.857		586861	618814
4.894		2648037	2403178
4.928		1327175	1069711
4.968		914623	781421
5.03		6205	5900
5.072		337826	367009
5.125		1764037	1533588
5.149		190208	123658
5.199		946720	927372
5.235		440904	365085
5.264		336134	341452
5.296		61615	37566
5.317		4121401	3783080
5.359		69744	53107
5.393		375423	343312
5.51		35896	22900
5.533		857972	762719
5.578		2923377	3314331
5.735		204912	193272
5.777		57804	42844
5.803		297853	264971
5.852		544507	529466
5.956		1055587	976124
5.988		52973	37143
6.157		373510	362017
6.317	DCB	8945930	8942047
6.766		6108	5896
6.796		2377	1956
7.427		1346	3317
7.752		979	7145
8.628		4677	18945

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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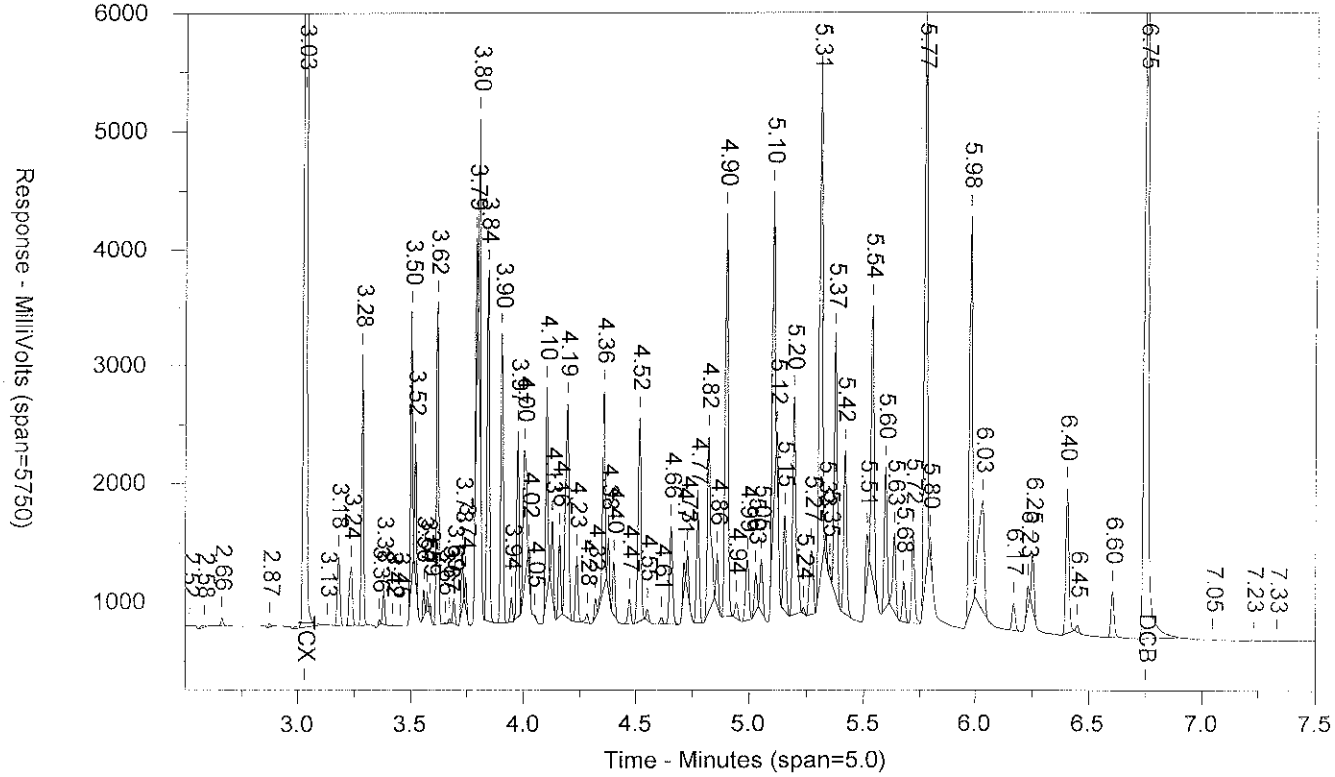

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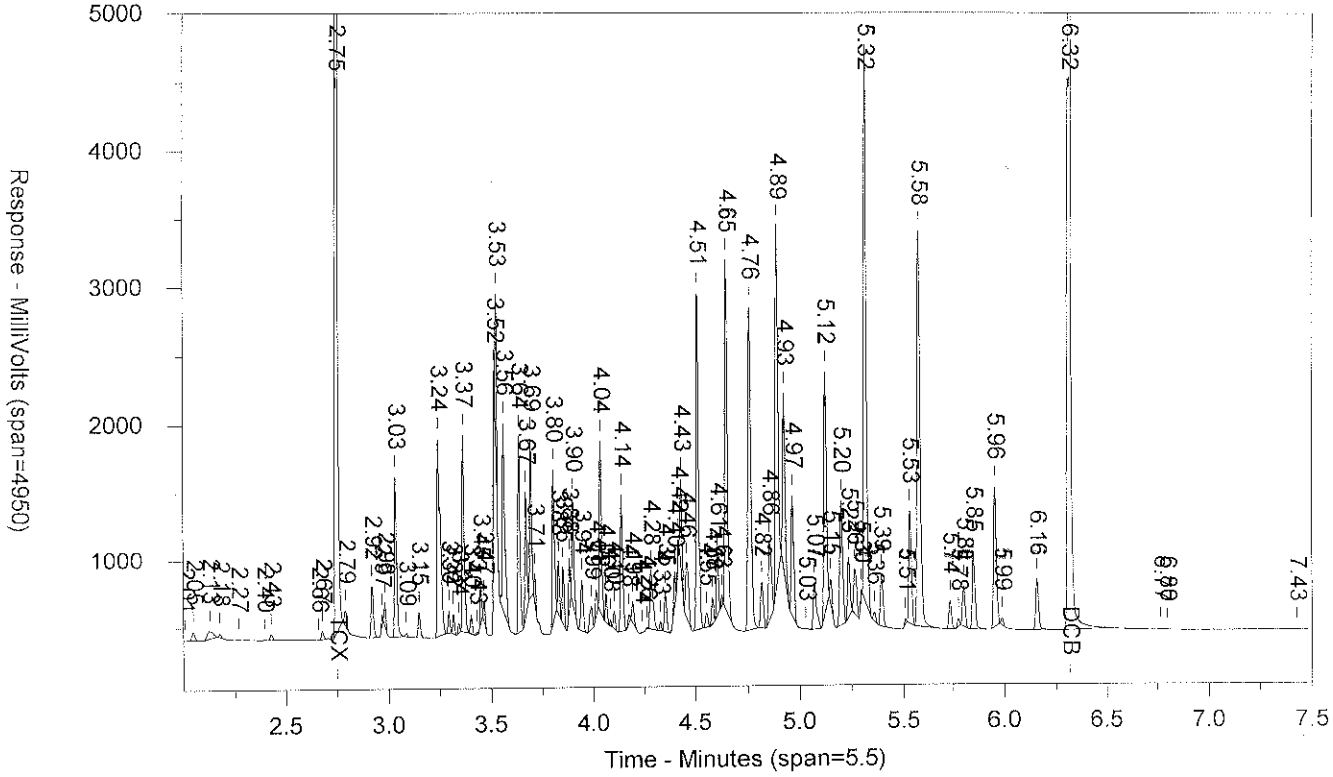

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	27158730	42.773	TCX	2.747	13750800	45.3	TCX
6.751	9590227	37.575	DCB	6.317	8945930	38.771	DCB

Files:
Area File: 07PCBS17292003.0071.RAW
Area File: 07PCBS17292003B.0071.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:59:57 AM
File Reported On: 10/24/2017 at 9:00:10 AM

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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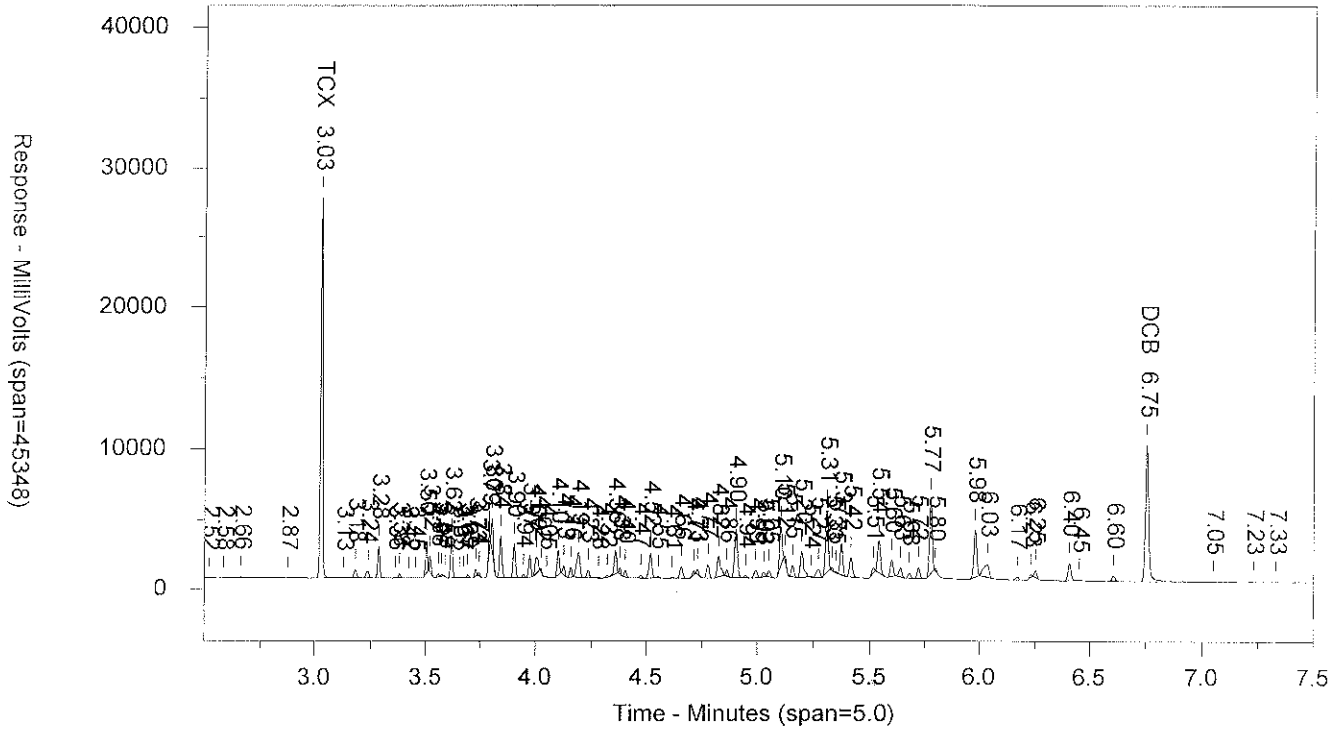

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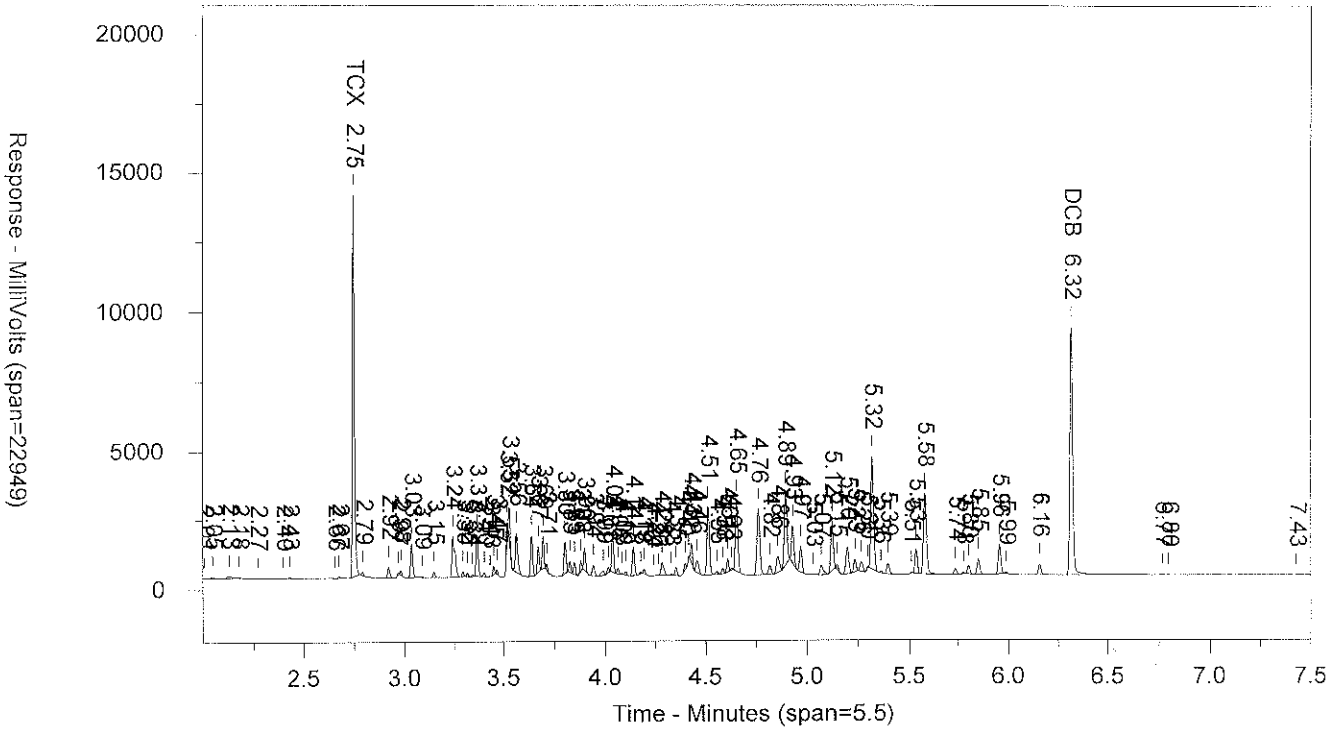

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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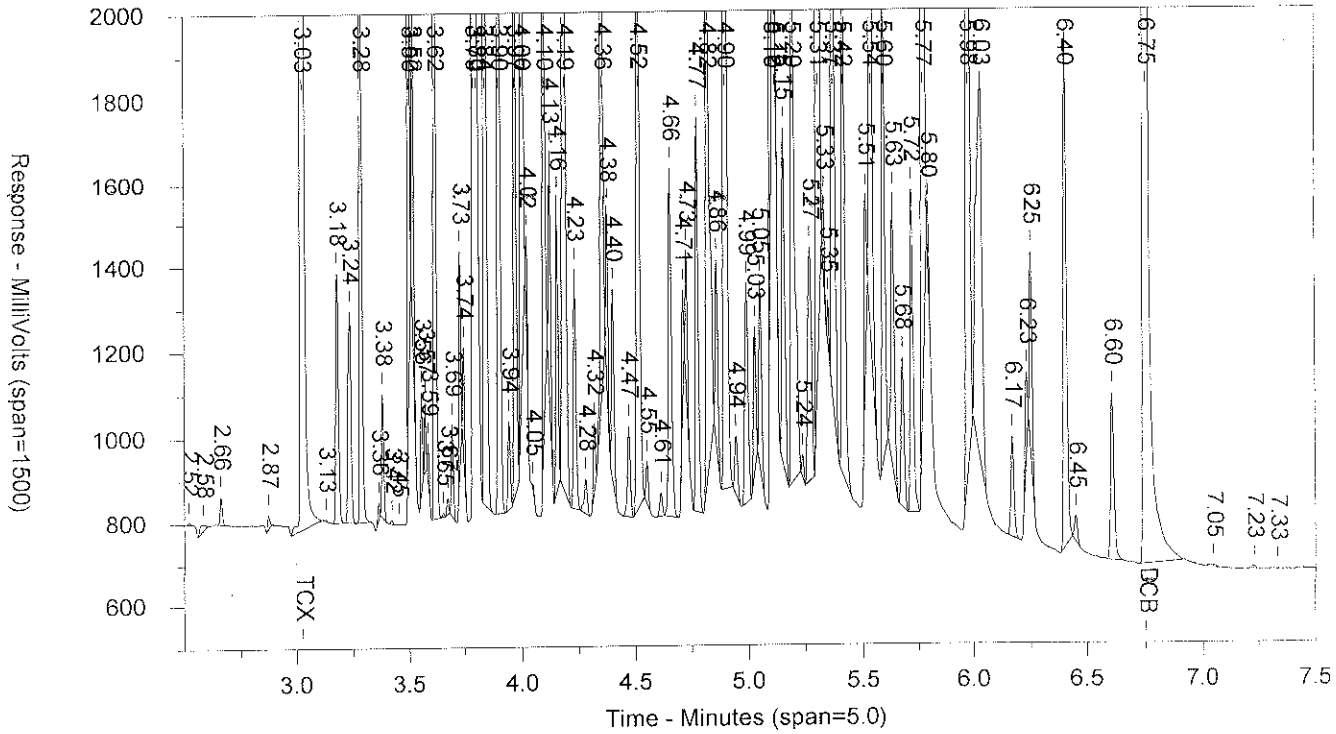

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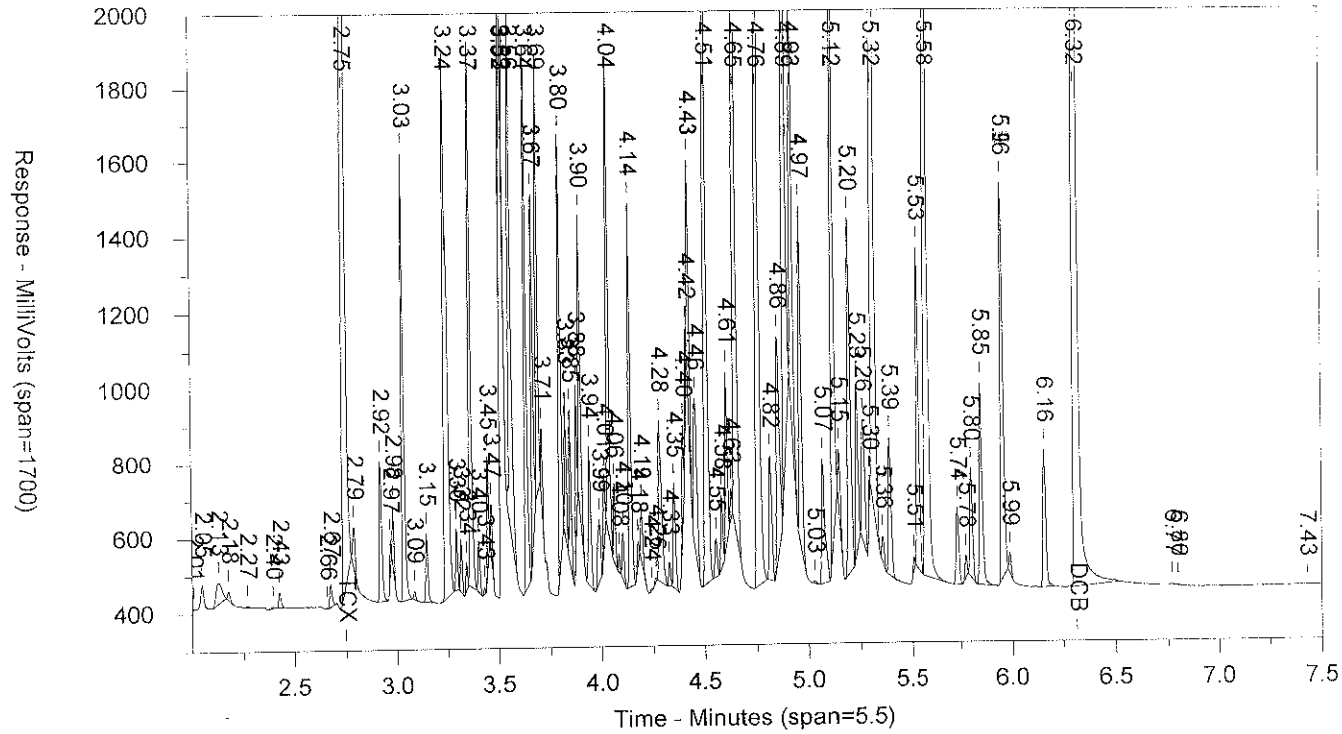

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM 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: 07PCBS17292003.0072.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.677		26783	145703
2.119		7648	20222
2.185		123676	334263
2.316		61316	44979
2.411		20404	13509
2.426		26176	18536
2.521		3935	3077
2.583		9151	16617
2.639		3319	1745
2.875		34353	23409
2.962		13060	12926
3.029	TCX	13851550	8881935
3.23		159532	104841
3.286		5295	4198
3.362		31726	23082
3.574		3001	2149
3.62		9079	6131
3.677		25204	17897
3.715		2832	4226
3.758		1251	316
3.772		2834	2993
3.846		9765	7766
3.864		1033	319
3.902		8412	6506
3.925		1280	292
3.946		6057	4393
4.007		3239	6284
4.05		8931	9069
4.083		1249	495
4.184		11028	15806
4.237		7572	5665
4.312		2508	1741
4.352		10160	14252
4.384		9735	8143
4.512		14401	15849
4.61		5472	4278
4.661		20668	20415
4.715		37250	34199
4.752		2877	1957
4.819		1777	1590
4.863		9100	7569
4.946		4764	3376
4.989		4725	4112
5.028		147679	137912
5.06		6448	12502
5.122		12164	13749
5.156		7835	6483
5.191		2131	885
5.216		17472	16364
5.269		163726	157186
5.309		2621	1852
5.35		5825	5942
5.373		1888	1173

RT A	Compound A	Height A	Area A
5.468		6575	8384
5.517		4837	4748
5.588		9740	13504
5.633		11899	15456
5.676		105624	107803
5.798		159956	161300
5.979		5650	4921
6.024		3784	3865
6.102		2014	1248
6.168		99091	95396
6.231		166198	218890
6.4		1484	1755
6.532		2572	1688
6.605		55612	57830
6.681		1000	343
6.75	DCB	4558634	4891852
7.016		1271	385
7.051		3181	2173
7.201		1230	526
7.227		2958	2664
7.556		1143	769
7.647		1422	726
7.887		1320	222
7.989		942	870
8.097		1214	426
8.162		1670	508
8.247		1344	575
8.411		1426	785
8.573		1162	991

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM 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, 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: 07PCBS17292003B.0072.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.623		6429	21518
1.778		1542	8598
1.913		2130	5027
2.012		5029	13000
2.048		35867	43110
2.129		65762	130908
2.176		10817	9142
2.331		2467	5898
2.4		4981	14976
2.674		64784	71019
2.747	TCX	6837807	4801457
2.968		84969	60767
3.034		4140	2682
3.086		15942	18362
3.319		5672	6040
3.371		8308	11127
3.432		14519	9973
3.464		3630	3226
3.52		2649	2723
3.572		3724	2839
3.638		8802	9312
3.684		3751	3933
3.733		2852	2223
3.883		9892	11703
3.914		8195	7686
3.945		4314	3259
3.991		3745	2211
4.022		2647	1112
4.043		10172	7253
4.195		13451	14281
4.246		4415	3362
4.285		4207	2579
4.308		9189	5902
4.33		20849	16106
4.399		4495	3544
4.436		5952	7775
4.516		8301	11936
4.554		3336	3184
4.63		101620	106732
4.76		8170	6772
4.821		15456	13265
4.869		113320	102725
4.945		4244	6028
5.126		5312	4598
5.151		4219	3328
5.192		12462	13455
5.271		80832	94913
5.394		128753	118729
5.581		7201	7107
5.735		89711	84421
5.803		154630	145710
5.852		42802	37580
6.156		55728	51674
6.317	DCB	4339558	4457660

6.765	2863	2503
6.796	2811	2500
8.172	1569	1392
8.632	3956	10984

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

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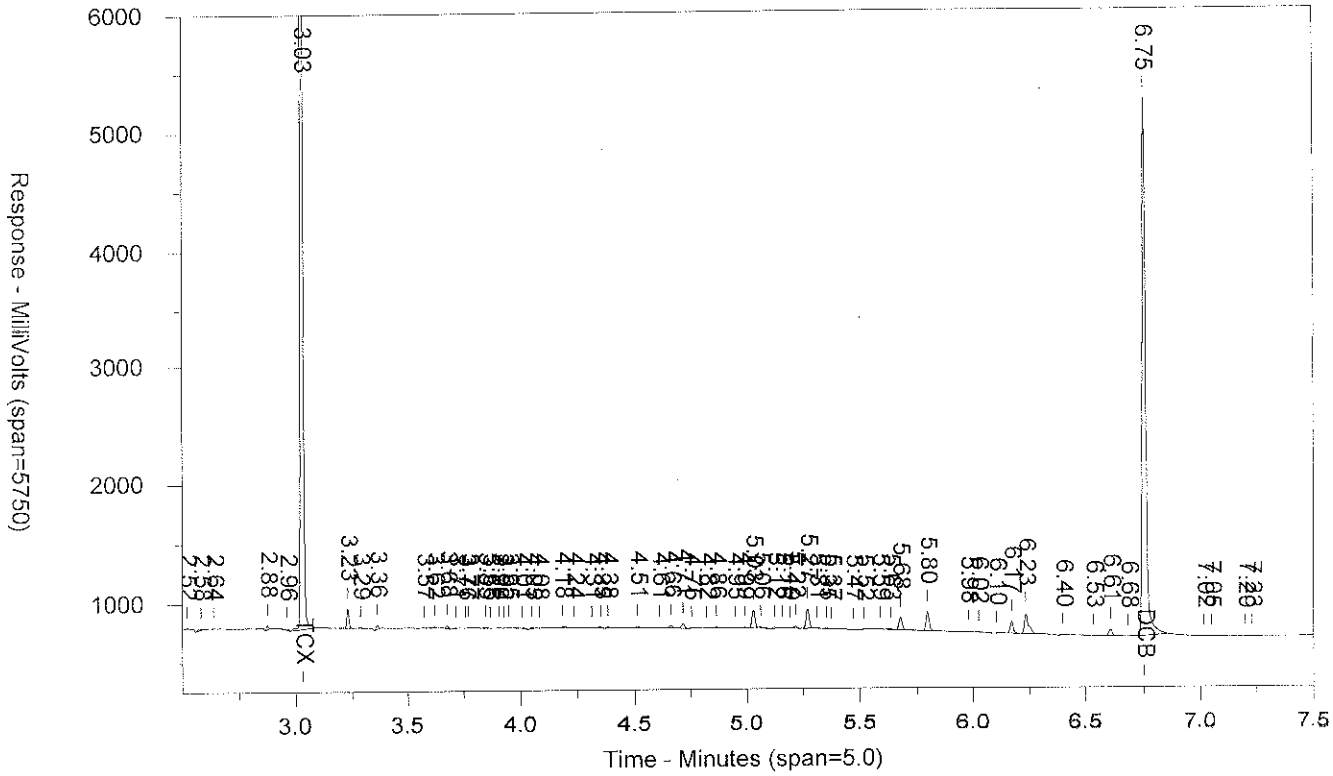

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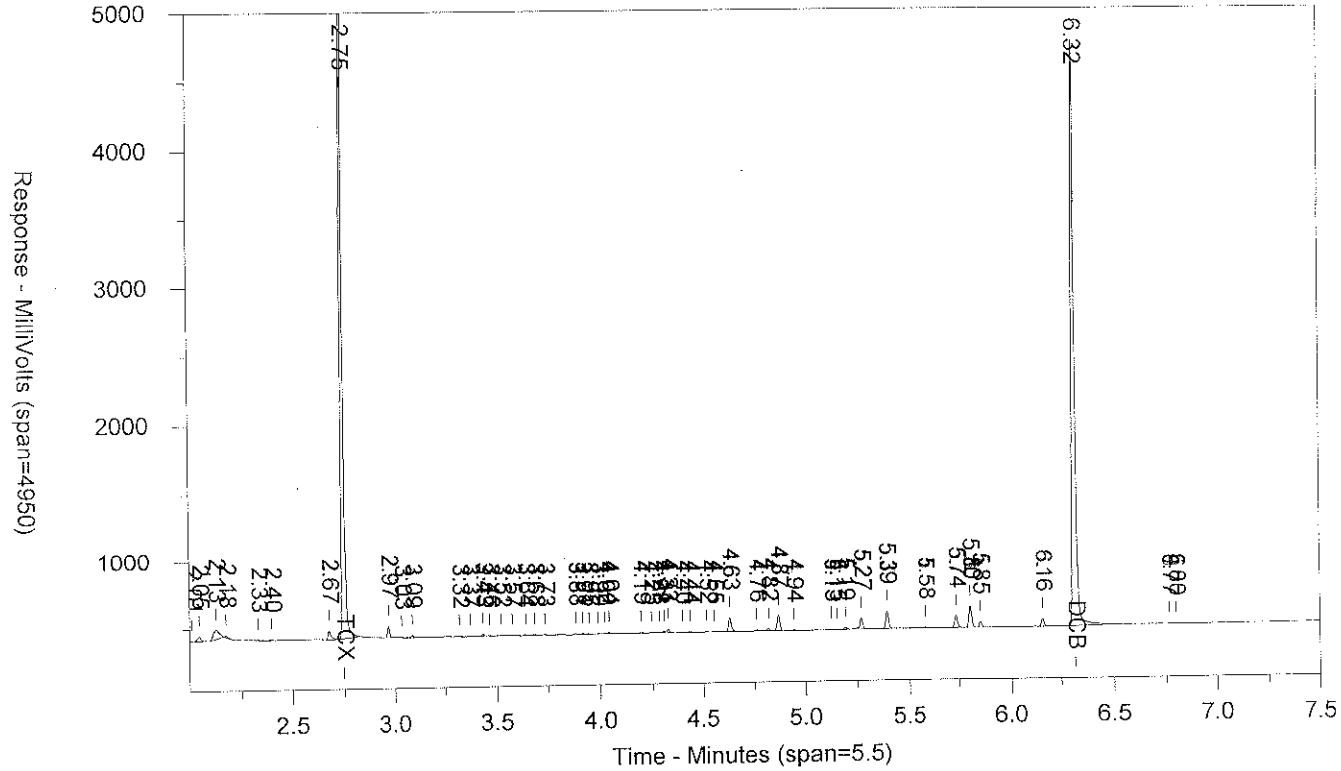

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	13851550	.218	TCX	2.747	6837807	.225	TCX
6.75	4558634	.179	DCB	6.317	4339558	.188	DCB

Files:
Area File: 07PCBS17292003.0072.RAW
Area File: 07PCBS17292003B.0072.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:11:22 AM
File Reported On: 10/24/2017 at 9:11:36 AM

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

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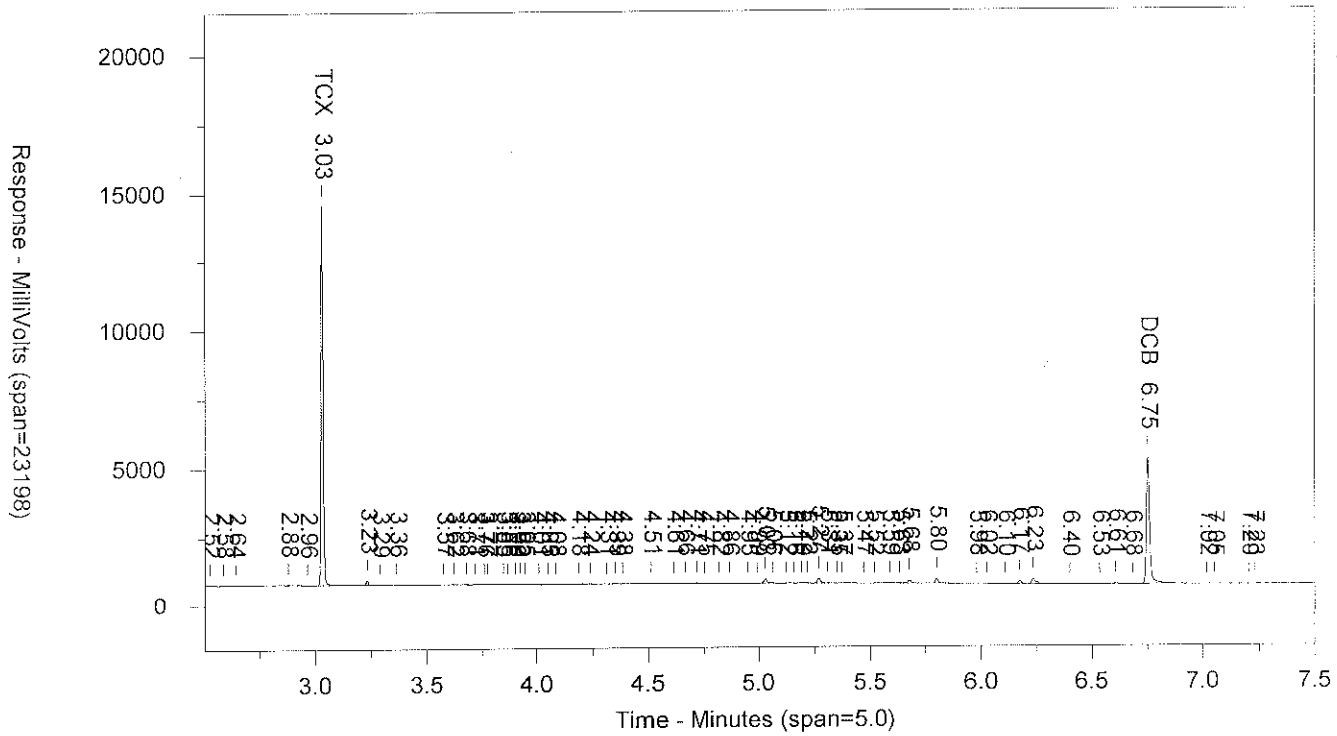

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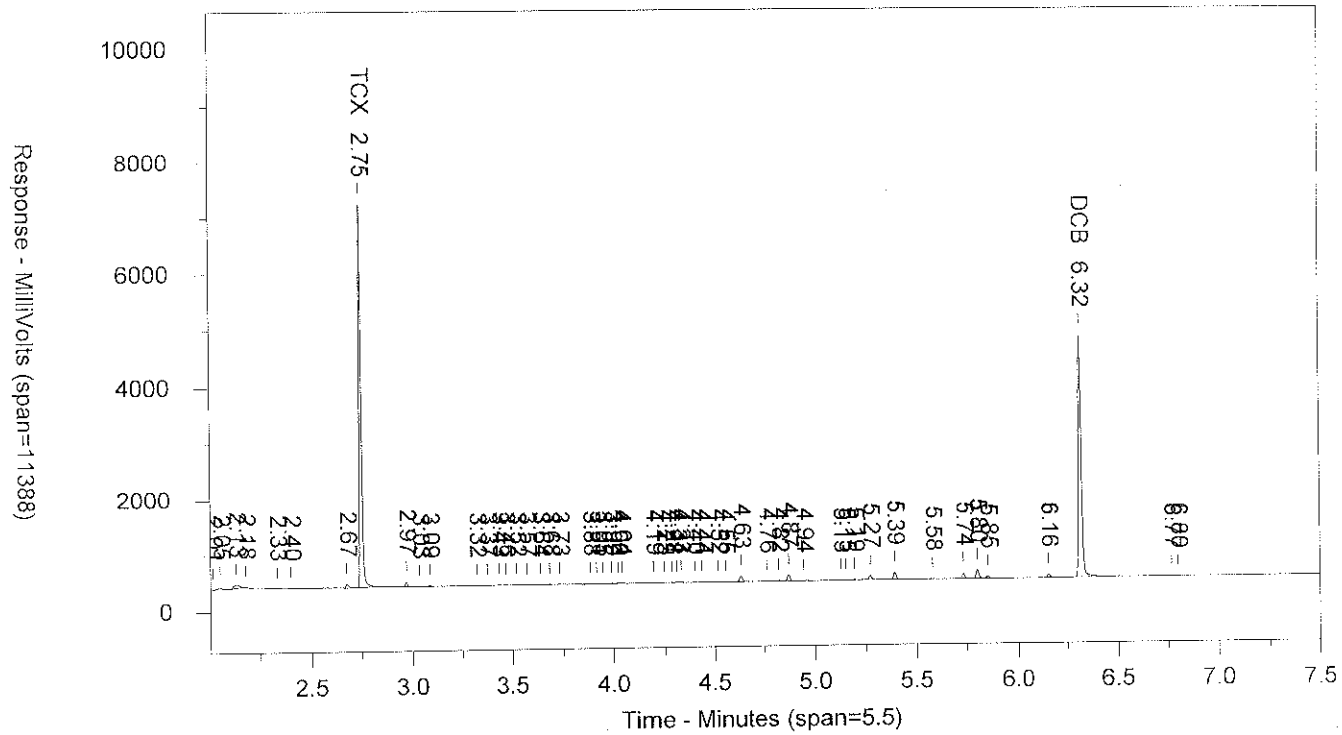

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

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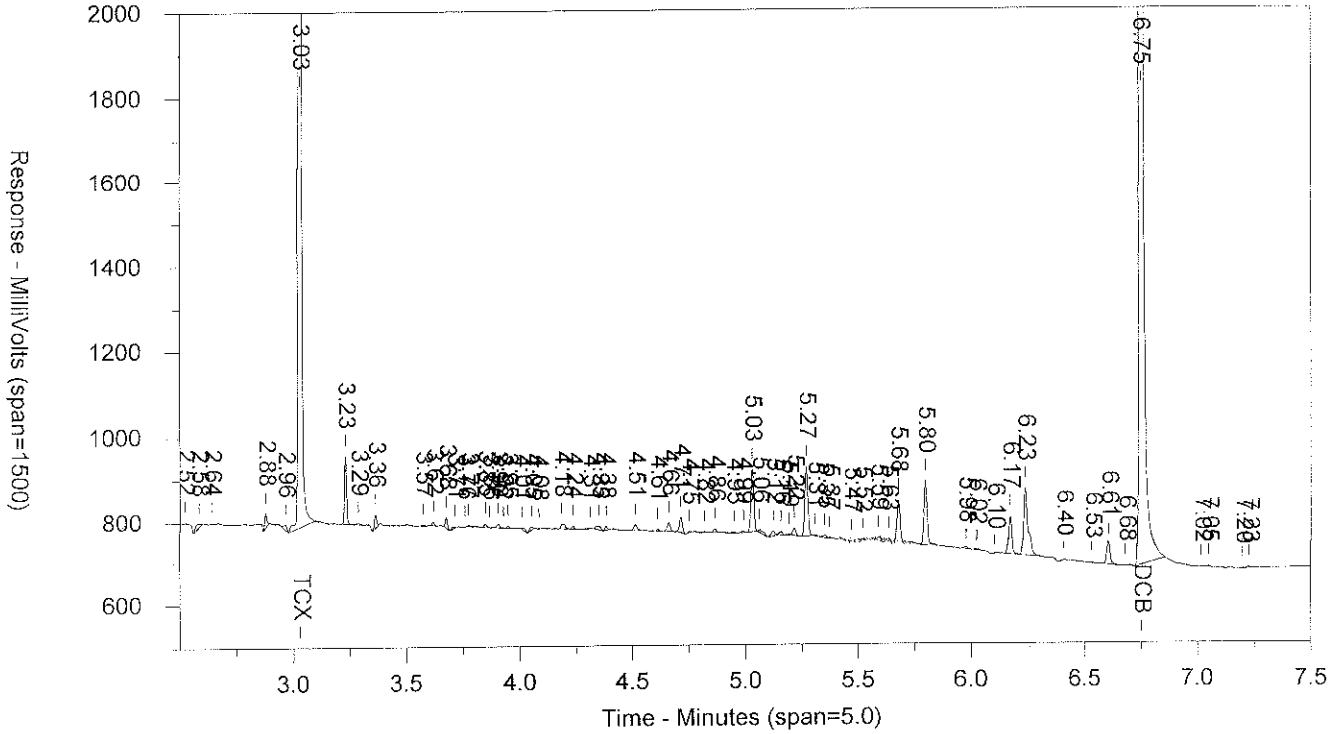

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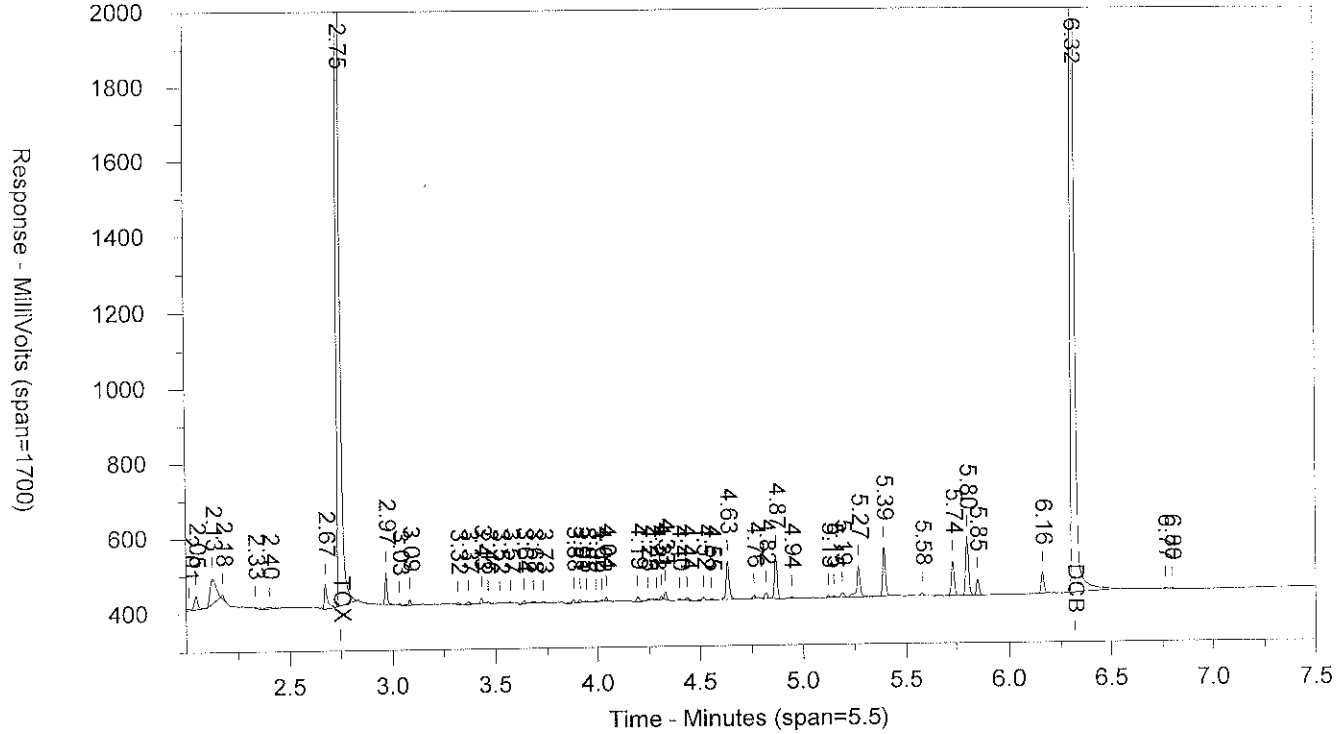

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 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: 07PCBS17292003.0093.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.669		6403	69011
1.806		2742	2023
2.116		37554	66848
2.183		129152	296497
2.237		28801	55548
2.315		115767	86593
2.41		32463	19809
2.426		44572	29583
2.582		9482	15846
2.64		2854	2273
2.662		28475	20660
2.813		1857	542
2.875		29386	22754
3.028	TCX	28087920	18193030
3.129		4174	1944
3.18		414987	349671
3.236		480724	479851
3.285		2161865	1479755
3.361		45439	26747
3.38		239700	150547
3.42		7633	5248
3.502		2327134	1348174
3.519		1100873	588444
3.556		241876	138524
3.572		84124	35338
3.586		131853	67883
3.618		2677807	1862887
3.654		11791	5923
3.674		43331	26849
3.693		106095	64534
3.73		533674	311533
3.746		280707	143998
3.791		1427886	760837
3.803		2694782	1386296
3.842		3100646	2280937
3.903		2577405	1894792
3.945		189141	131894
3.972		1686262	1230902
4		1216577	1085369
4.023		330602	164362
4.101		1831993	1317936
4.126		640396	421635
4.158		718078	509848
4.194		1903948	1882567
4.235		553073	445611
4.282		82289	65784
4.322		104504	75594
4.358		1814749	1312155
4.377		371718	216705
4.402		472448	354212
4.472		237949	201711
4.517		1785125	1619946
4.551		68103	46957

RT A	Compound A	Height A	Area A
4.616		28996	23984
4.656		394704	389752
4.713		223009	146761
4.729		391270	257424
4.775		1027156	895886
4.824		1622337	1753829
4.862		394796	290528
4.902		3734473	3421964
4.945		53382	46520
4.992		530117	563151
5.027		132451	97660
5.052		551163	476767
5.105		3152384	2477565
5.121		409376	240355
5.156		848106	749983
5.197		2057004	2160301
5.238		38248	23009
5.276		437244	546134
5.311		4800728	4346919
5.334		219577	102890
5.351		70577	31326
5.376		2495116	2187902
5.419		1538364	1426677
5.516		381496	325758
5.539		2590649	2232757
5.596		1316882	1159240
5.636		708759	648987
5.676		252592	239110
5.719		863213	831223
5.776		6029462	5342118
5.981		3756662	3454317
6.035		1026791	1813147
6.169		261717	252419
6.232		150933	118953
6.251		511078	414988
6.405		1377214	1321691
6.45		62944	55115
6.607		425540	436470
6.752	DCB	10758540	11214220
7.226		9225	10604
7.311		925	436
7.426		1544	1038
7.523		1050	1067
7.547		1138	531
8.17		1434	507
8.31		1367	533
8.405		1589	457
8.494		1195	311
8.65		1471	429

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 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, 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: 07PCBS17292003B.0093.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.624		4918	17274
1.664		4047	5474
1.936		7299	35145
2.018		1096	7089
2.048		62953	64845
2.125		56494	101841
2.176		21068	15890
2.396		3347	6338
2.427		16879	14065
2.674		57381	64781
2.747	TCX	13909570	9583232
2.789		82294	59240
2.919		272085	212492
2.968		76457	38101
2.981		163546	90822
3.034		1154679	832607
3.085		28409	17712
3.146		156623	115136
3.243		1492135	1642395
3.295		165746	109173
3.317		93346	57226
3.344		87946	49924
3.367		1417108	1057559
3.403		73156	46277
3.431		20248	9550
3.45		310166	179207
3.466		171269	89387
3.517		437067	273792
3.526		1460189	730383
3.56		1502216	1177017
3.636		1524615	1073128
3.669		1007693	674267
3.694		1110585	671851
3.712		275478	141921
3.803		1254865	936868
3.827		434952	255145
3.849		421682	279899
3.881		282061	164872
3.899		952430	656184
3.942		382896	312176
3.991		79835	79636
4.014		231535	147743
4.037		1380439	1006278
4.064		254393	159394
4.084		36572	16981
4.103		148554	100208
4.14		1123208	902560
4.177		50781	33546
4.194		97245	70624
4.258		11688	12947
4.284		199003	239680
4.328		20289	11500
4.352		299332	242802
4.399		248118	152235

4.417		129581	75623
4.43		747643	477279
4.458		452443	465746
4.511		2586339	2287854
4.556		54552	49074
4.584		223521	157274
4.609		543868	411866
4.63		12593	4399
4.653		3108346	2602257
4.761		2553809	2640936
4.817		325950	305766
4.857		668650	643013
4.894		2985624	2712887
4.927		1460289	1168115
4.968		1031565	893505
5.03		5521	5500
5.072		368396	405555
5.124		1969670	1693451
5.148		206765	136686
5.199		1046151	1023374
5.235		498014	408636
5.264		373986	344160
5.296		82034	51759
5.318		4614680	4232316
5.359		84430	64151
5.394		323218	285849
5.51		37951	25570
5.534		922661	849725
5.579		3246613	3677372
5.736		234805	213881
5.778		67995	51836
5.803		271131	230021
5.852		581897	561827
5.957		1167324	1088496
5.988		58771	43280
6.157		412534	389865
6.317	DCB	10209090	10010210
6.766		7596	7486
6.946		1479	1690
7.712		1430	2012
8.405		2716	7672
8.63		4091	8568

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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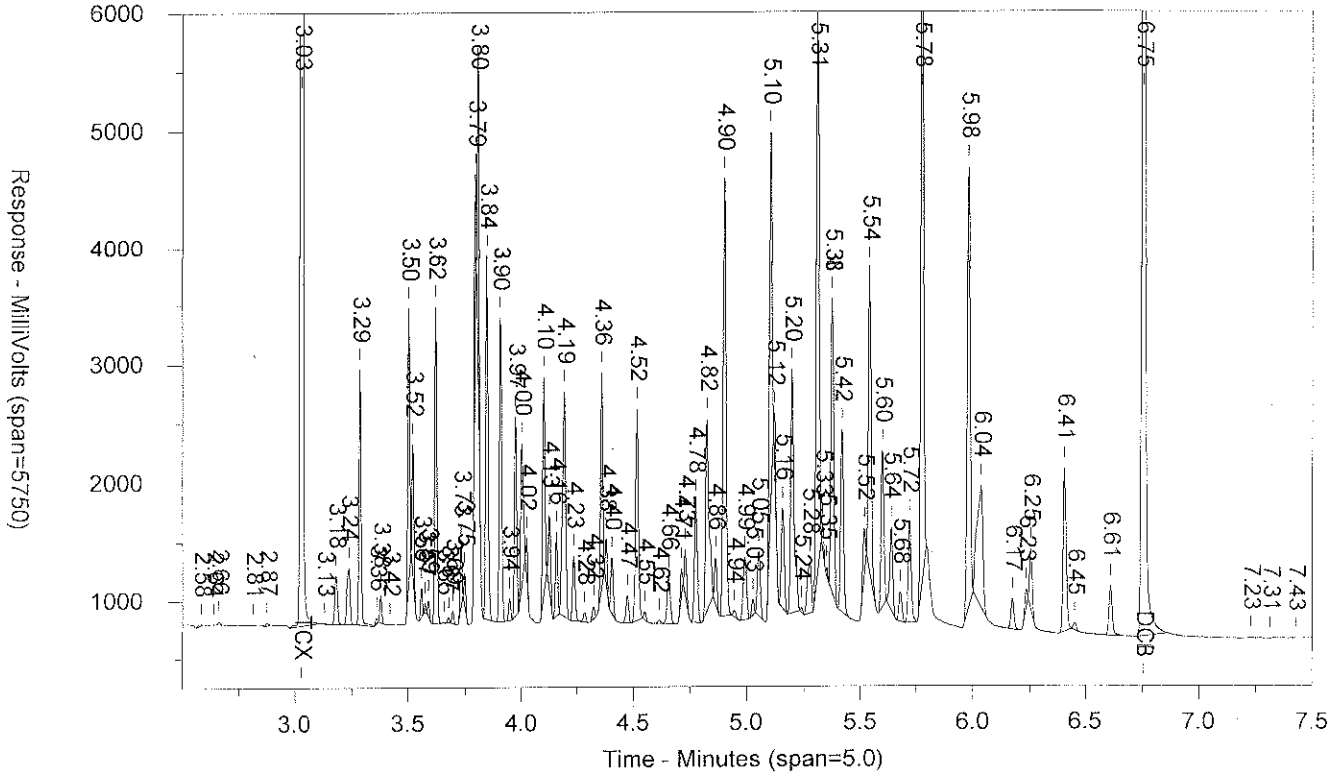

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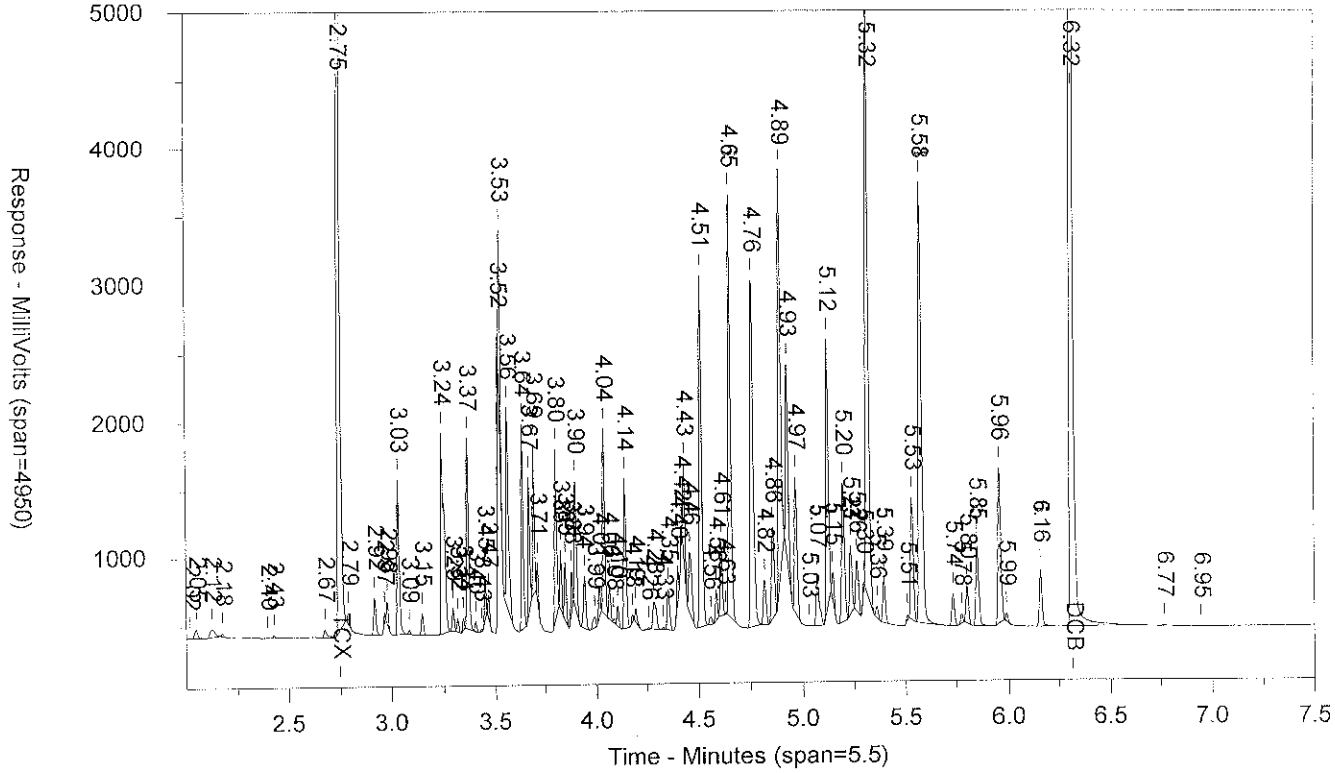

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	28087920	44.236	TCX	2.747	13909570	45.823	TCX
6.752	10758540	42.153	DCB	6.317	10209090	44.245	DCB

Files:
Area File: 07PCBS17292003.0093.RAW
Area File: 07PCBS17292003B.0093.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:11:25 PM
File Reported On: 10/24/2017 at 1:11:42 PM

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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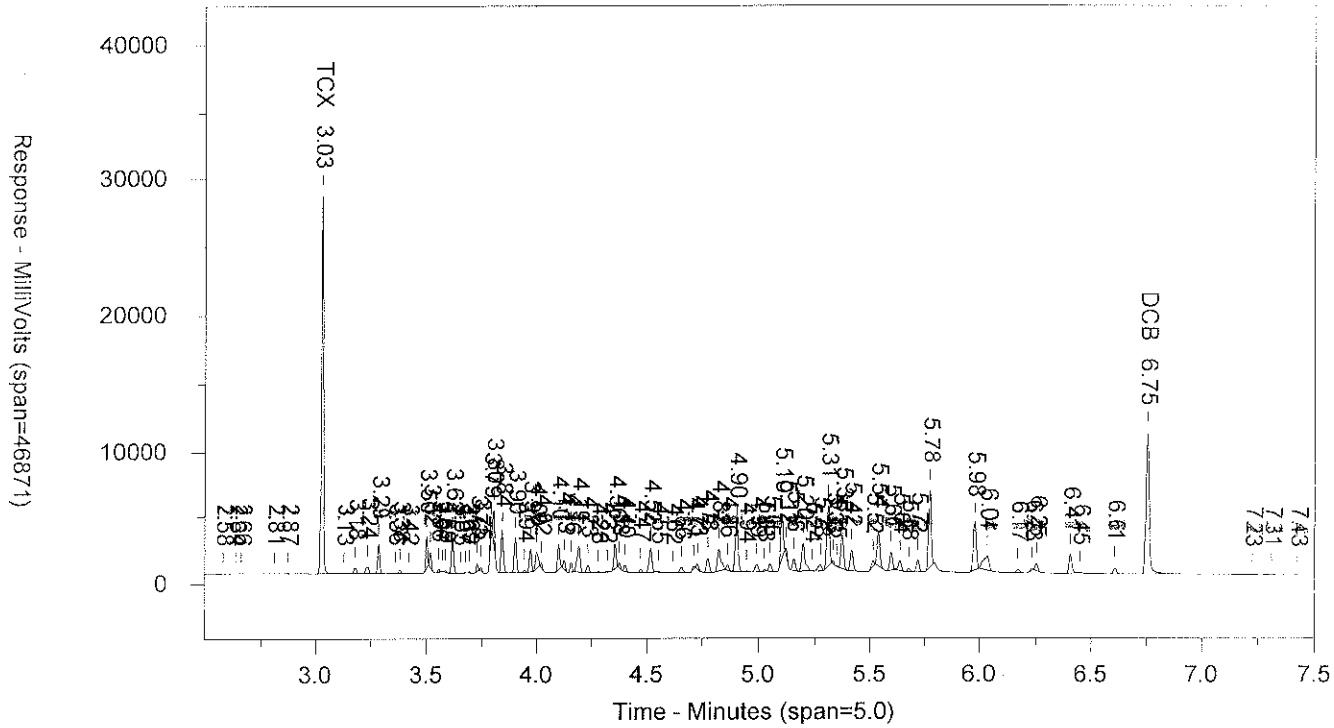

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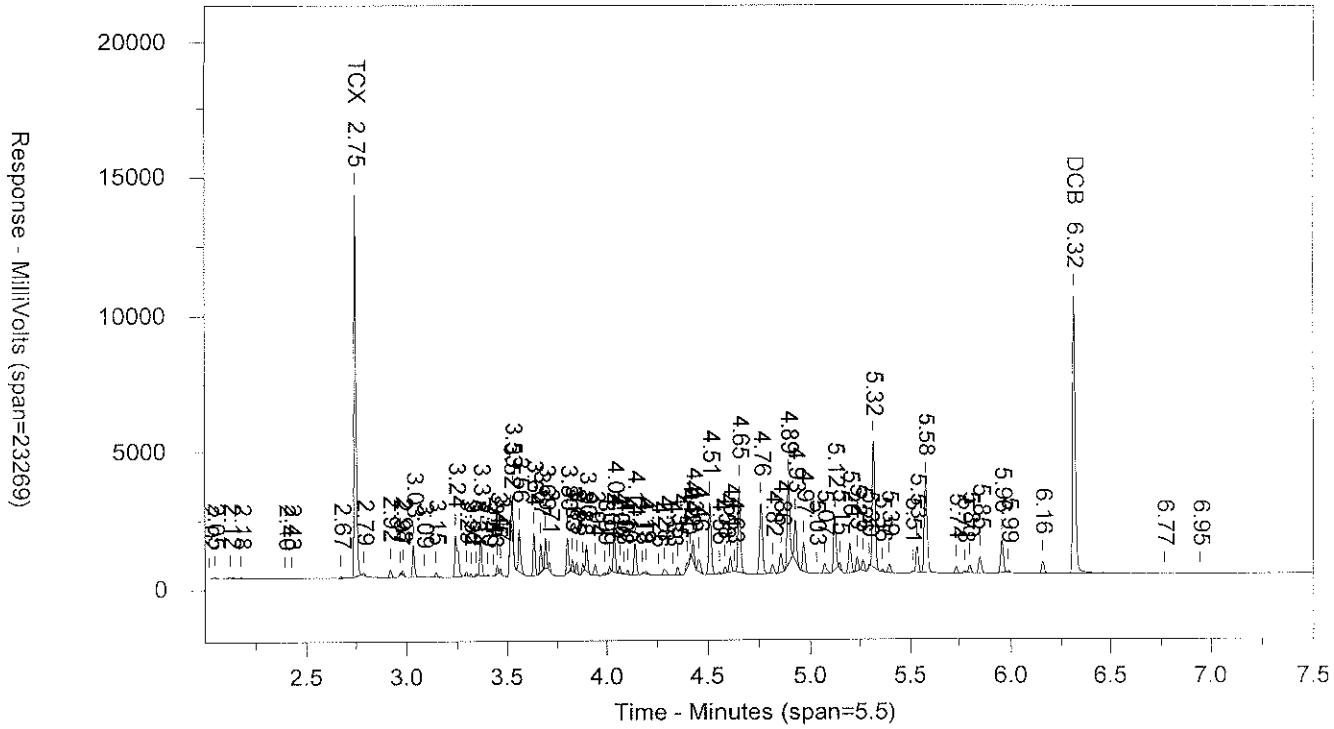

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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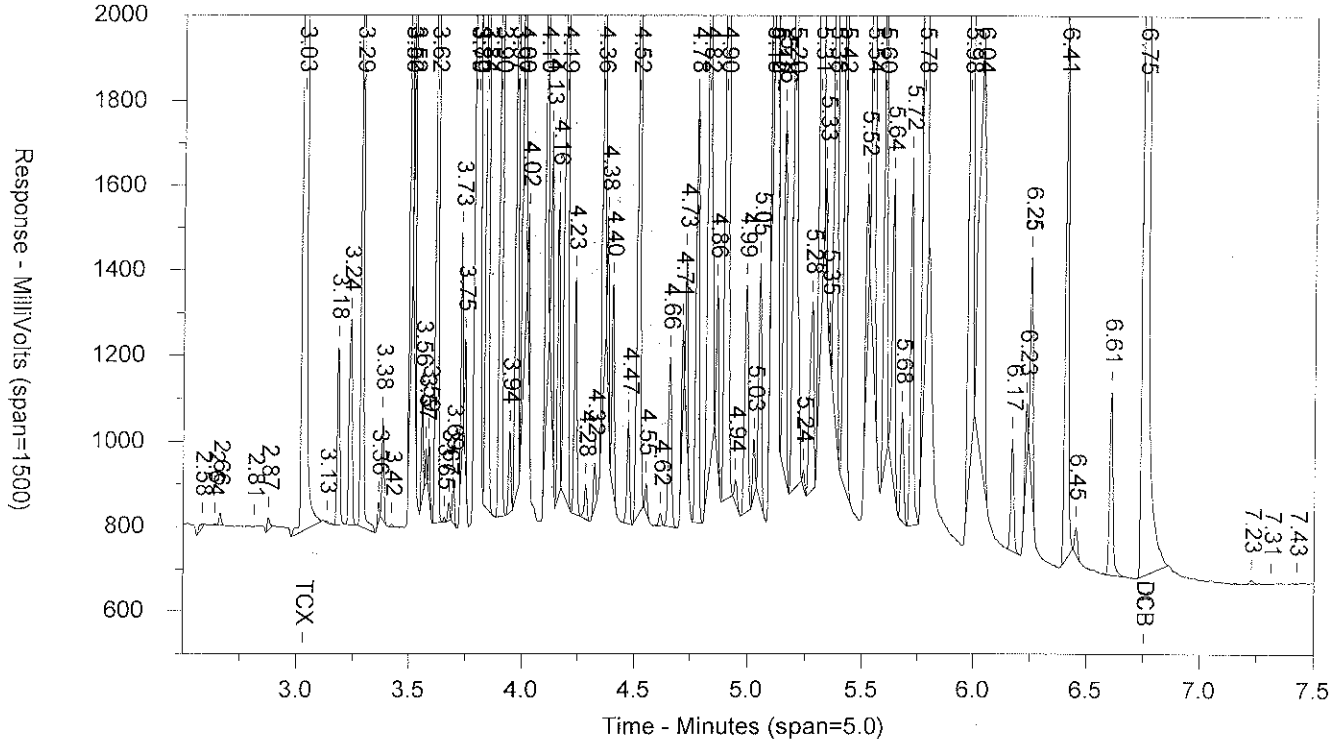

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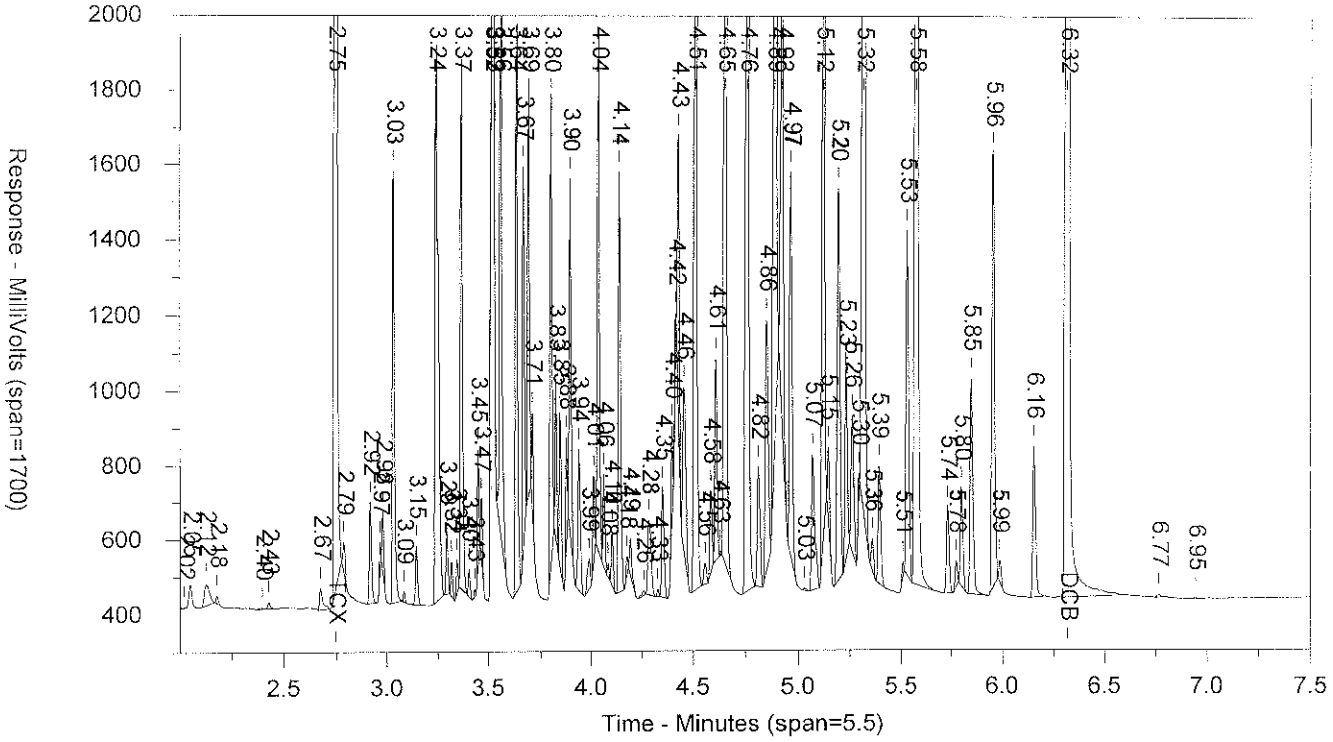

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 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: 07PCBS17292003.0094.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.657		14371	52796
1.811		5102	3484
1.861		1823	1007
1.919		3457	1924
1.953		3479	5317
2.132		31443	79652
2.182		156504	329241
2.239		30172	59465
2.315		63252	54410
2.41		27347	18322
2.426		22768	15643
2.465		3178	1349
2.585		9873	18541
2.79		1673	618
2.813		2234	1076
2.875		37105	29538
3.002		3680	9218
3.029	TCX	14326590	9149231
3.23		168958	107842
3.363		37226	28487
3.677		29566	20143
3.708		4920	4243
3.775		5950	6568
3.815		5047	2826
3.845		4909	4305
3.87		1494	500
3.886		1627	726
3.905		1906	1040
3.93		1007	173
3.939		1627	708
3.959		1272	328
3.994		1599	519
4.004		1432	396
4.052		6614	8839
4.154		2222	577
4.308		3080	2693
4.337		1719	568
4.401		3263	5030
4.42		3322	2618
4.517		6660	6214
4.659		5180	4683
4.713		14544	14610
4.755		1977	1994
4.858		1415	695
4.899		2916	2613
4.995		1880	2300
5.03		64326	60795
5.061		7158	13002
5.125		6155	7417
5.155		4503	2931
5.189		6129	5485
5.216		4691	4011
5.271		85052	80856

RT A	Compound A	Height A	Area A
5.354		3055	2403
5.398		1304	669
5.473		5673	6438
5.591		9147	12047
5.677		73554	72371
5.8		124442	120151
5.983		5801	5456
6.03		1865	754
6.104		2063	1632
6.171		118192	115675
6.234		127227	110385
6.477		4255	3897
6.521		1426	408
6.608		58694	62412
6.754	DCB	5226773	5711277
7.046		3554	5537
7.227		4230	4317
7.932		1431	456
7.94		1756	433
7.979		1121	521
8.042		1732	402
8.066		1780	449
8.174		1378	661
8.359		1442	472
8.406		1563	783
8.656		1740	1130

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 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, 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: 07PCBS17292003B.0094.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.631		4843	16697
1.666		5989	14370
1.775		2053	2711
1.916		11127	46919
2.005		5453	11204
2.047		36337	45433
2.126		71419	130883
2.176		8810	5770
2.392		3557	7543
2.674		69191	75044
2.747	TCX	6929289	5021860
2.968		88551	61831
3.065		1624	1439
3.086		15222	10657
3.258		2048	3077
3.32		4818	4980
3.37		2512	4612
3.432		17159	11797
3.466		5404	4360
3.524		2640	2579
3.589		4453	5813
3.636		3100	3028
3.67		2473	4361
3.878		4601	8942
3.913		3041	3928
4.038		2392	1873
4.103		2992	2428
4.197		4286	6154
4.247		7314	11595
4.331		8592	7235
4.434		9985	15648
4.517		4922	6490
4.631		41522	39807
4.759		2504	1711
4.822		2398	1880
4.844		2990	1931
4.869		59075	51936
5.124		3735	3082
5.192		5833	6460
5.272		55273	55337
5.321		2971	3662
5.394		97303	92890
5.537		1723	1109
5.581		4237	4400
5.736		106126	101183
5.804		149031	135720
5.853		39102	35016
6.157		58342	53802
6.318	DCB	5076236	5043882
6.768		3686	3642

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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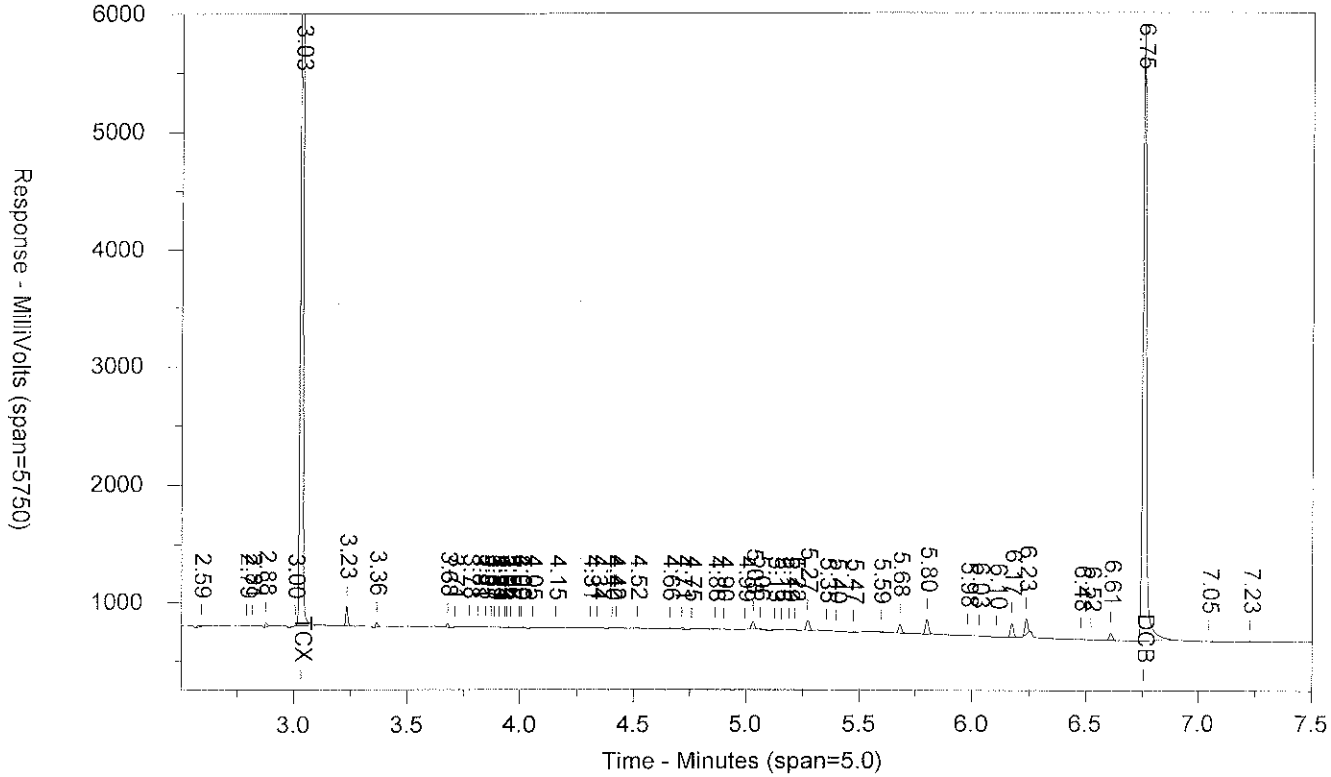

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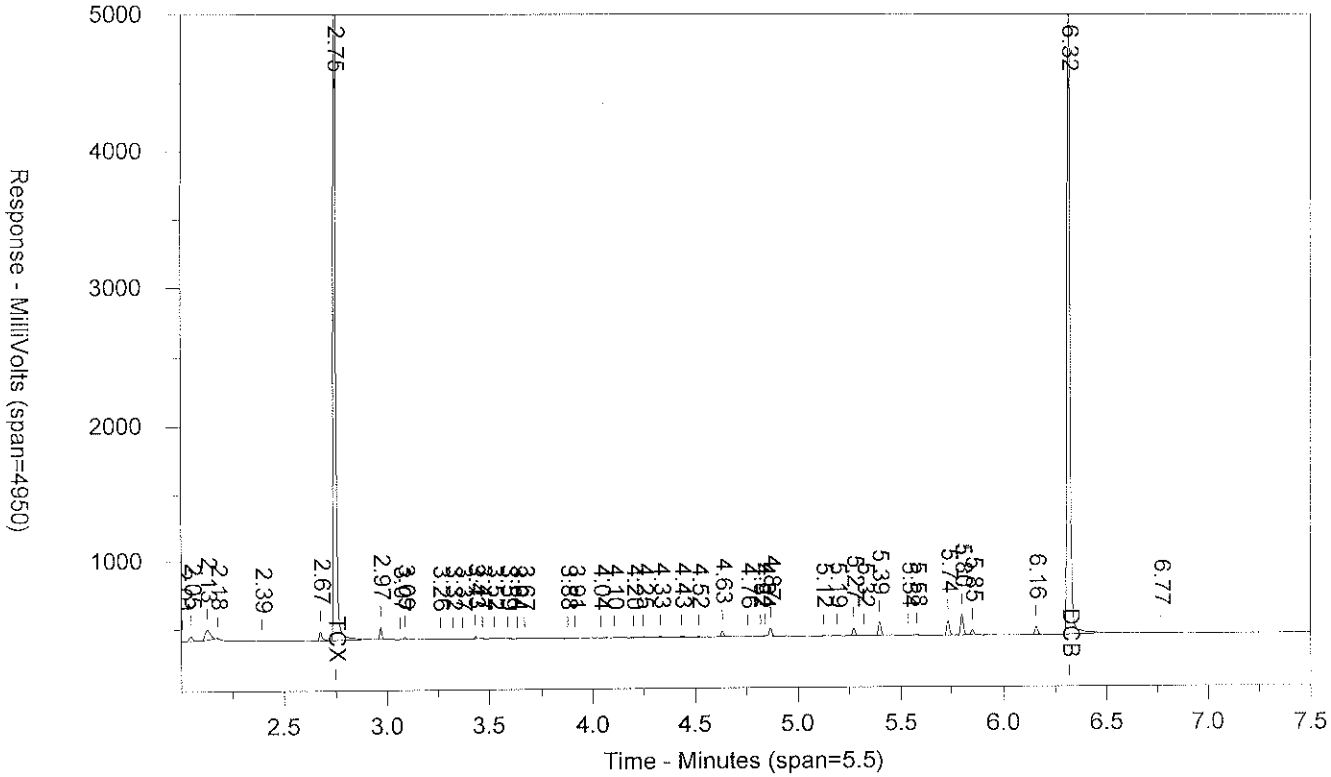

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	14326590	.226	TCX	2.747	6929289	.228	TCX
6.754	5226773	.205	DCB	6.318	5076236	.22	DCB

Files:
Area File: 07PCBS17292003.0094.RAW
Area File: 07PCBS17292003B.0094.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:22:52 PM
File Reported On: 10/24/2017 at 1:23:06 PM

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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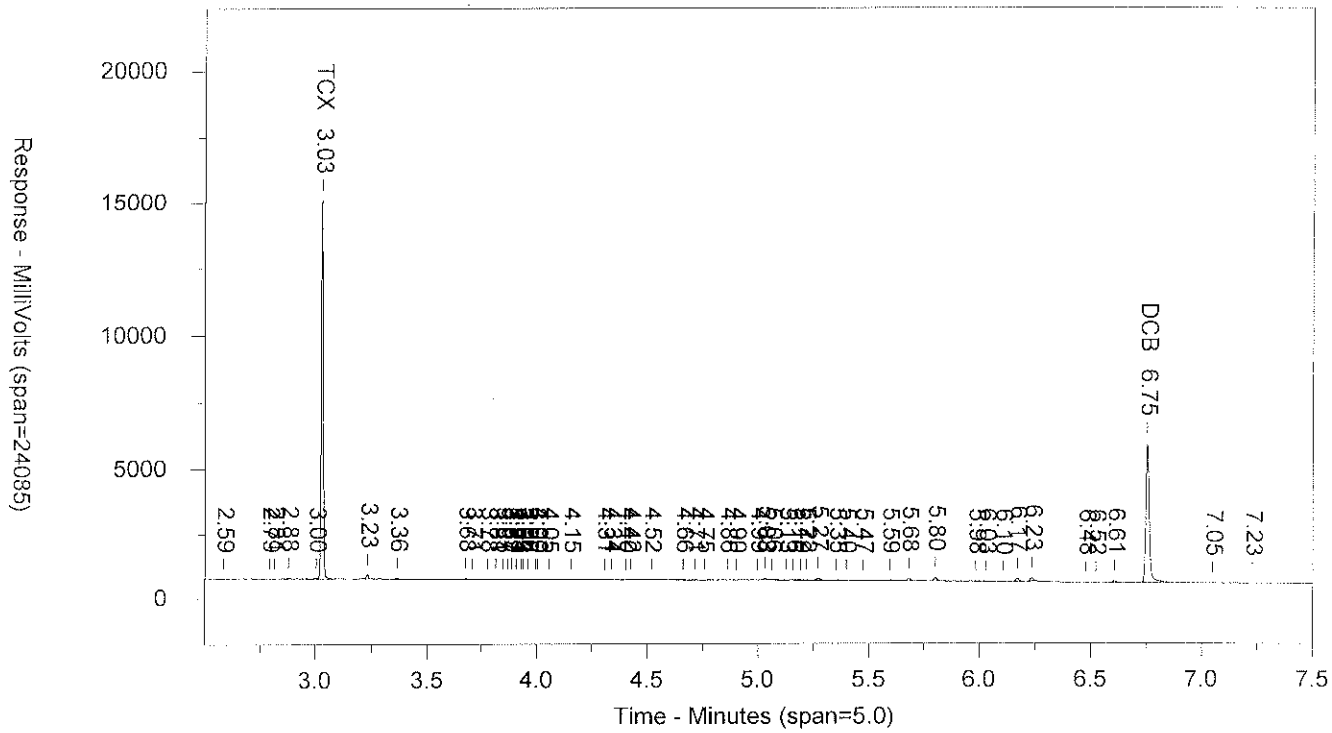

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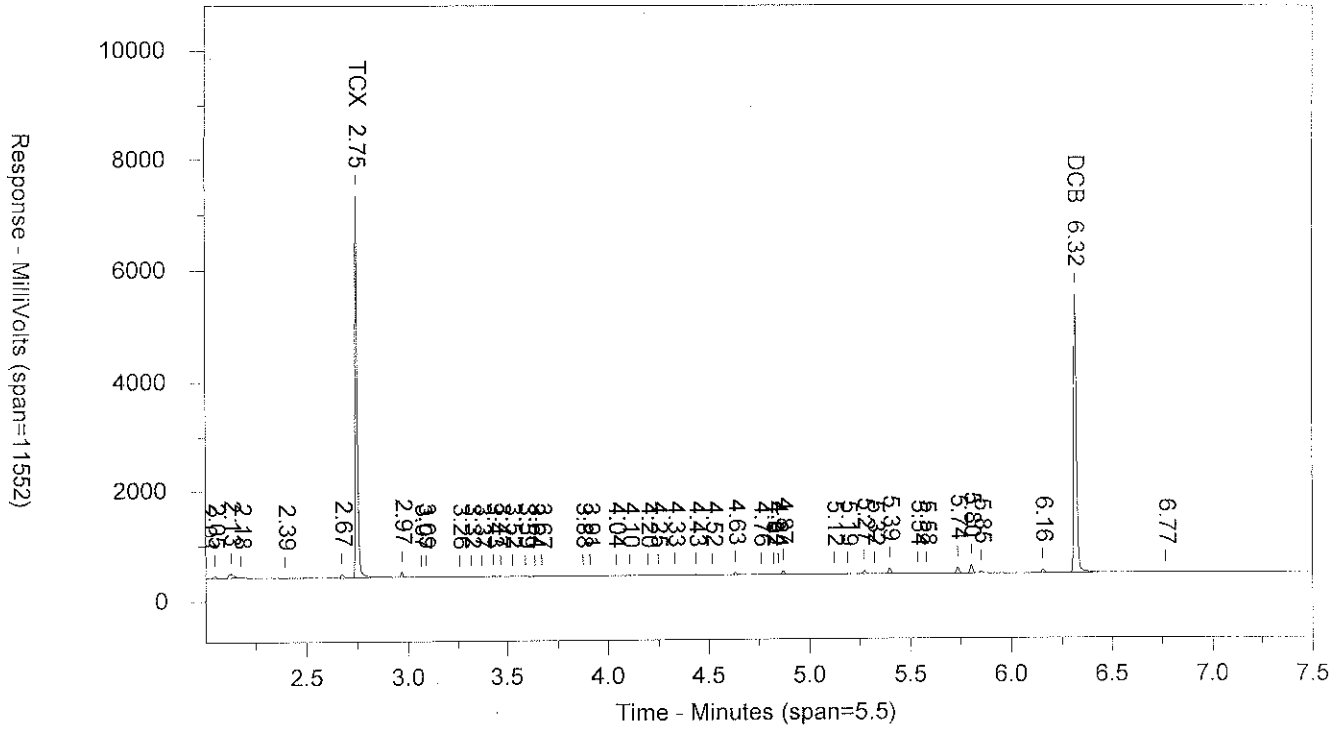

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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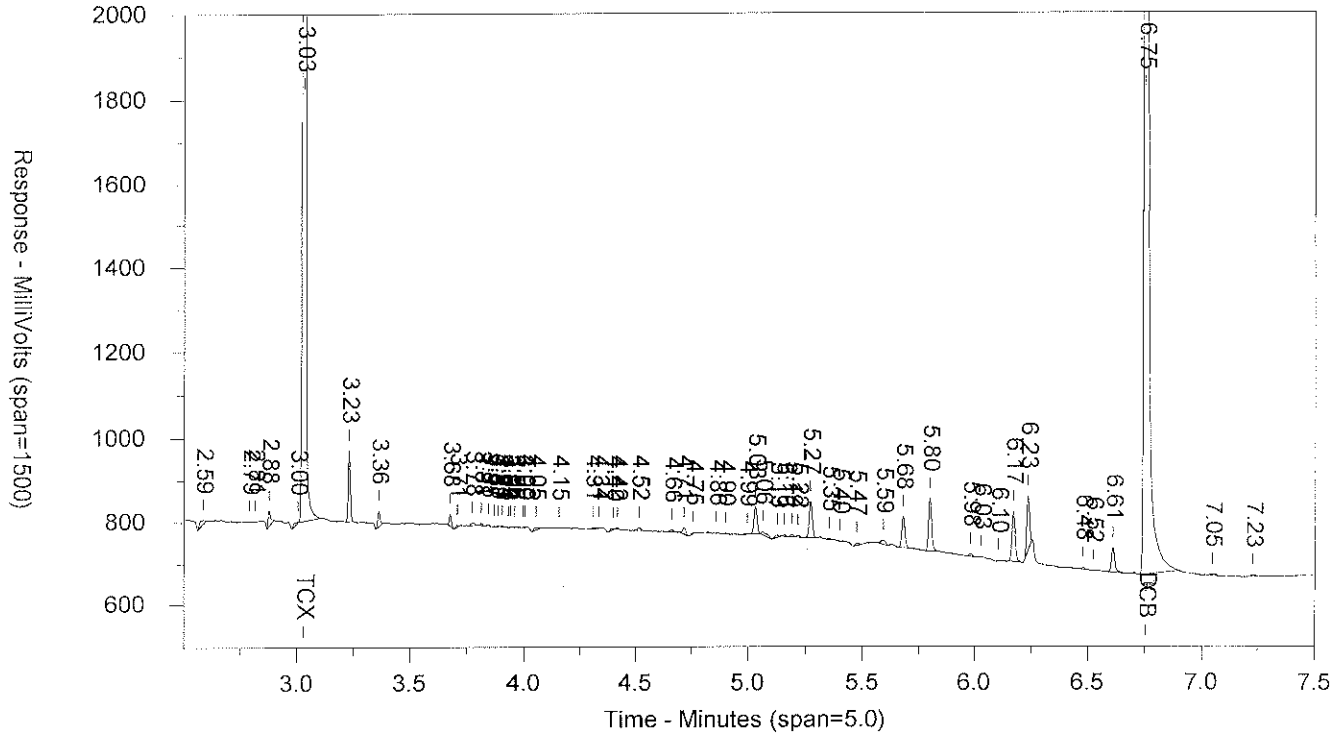

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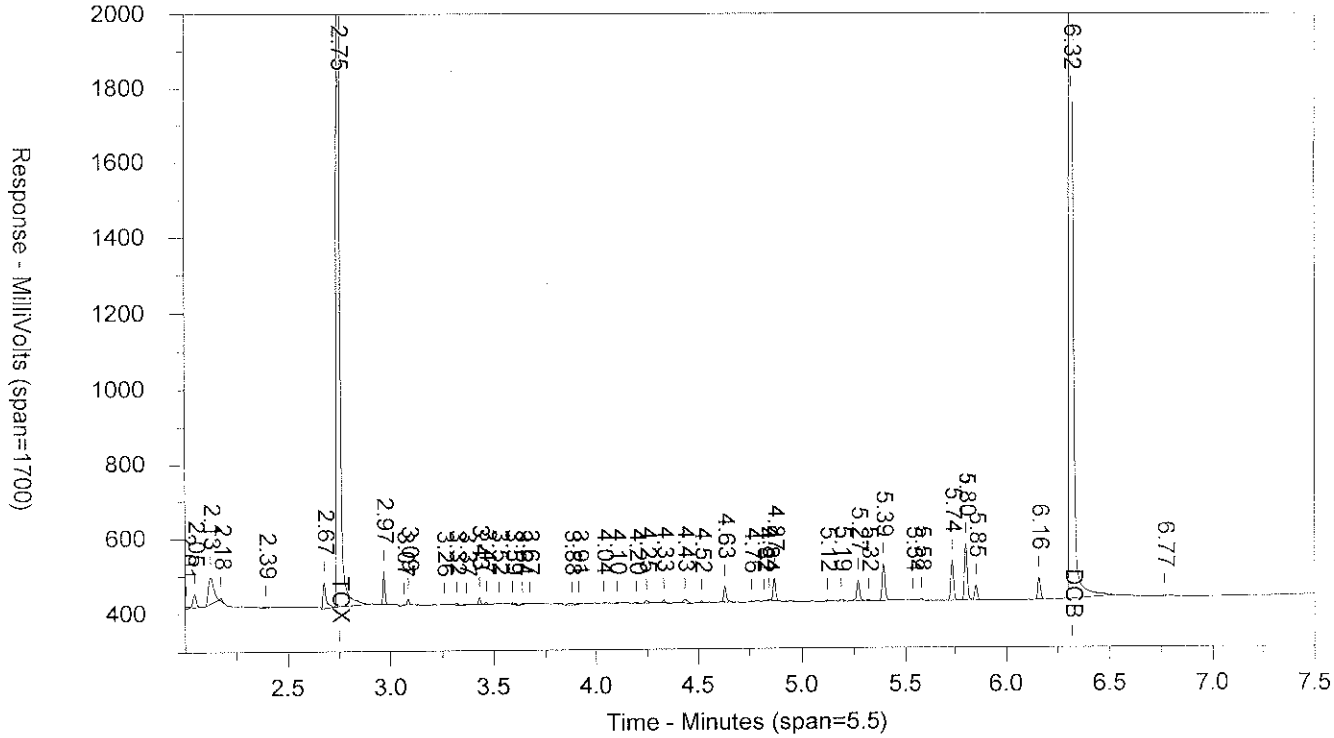

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 11/10/17 ACF PBLK25283 BLK Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 03:14:13
Instrument	18274A
Result file	25PCBS17309003.044.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

%SSR(TCX) 102% (61 - 152) Conc: 31.12638
%SSR(DCB) 92% (48 - 164) Conc: 24.91174

Analysis Report (B)

Injected on	Nov 14, 2017 03:14:13
Instrument	18274B
Result file	25PCBS17309003B.044.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

%SSR(TCX) 102% (61 - 152) Conc: 31.17842
%SSR(DCB) 99% (48 - 164) Conc: 26.94547

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	4290695	31.12638	Tetrachloro-m-xylene	2.75	2.78	2.81	7600734	31.17842
Decachlorobiphenyl	6.78	6.81	6.84	2091551	24.91174	Decachlorobiphenyl	6.34	6.37	6.40	3094966	26.94547

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.17842				0.17	
Tetrachloro-m-xylene-D1	A	31.12638					
Tetrachloro-m-xylene-D2	B	31.17842					
Decachlorobiphenyl	B	26.94547				7.84	
Decachlorobiphenyl-D1	A	24.91174					
Decachlorobiphenyl-D2	B	26.94547					

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

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:04:20

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/10/17 ACF PBLK25283 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274A
Result file : 25PCBS17309003.044.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.12638
%SSR(DCB) : 92% (48-164) Conc.: 24.91174

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**80.80**	
3.29	3.31	3.33	2231.25	0.940731			1
3.51	3.55	3.55	16304.24	6.853162			2
+ 3.63	3.64	3.67	1869.284	0.629726			3
3.63	3.66	3.67	14402.86	4.85205			3
3.86	3.86	3.90	8431.267	2.790342			4
+ 3.86	3.88	3.90	1913.98	0.633435			4
3.92	3.94	3.96	3787.814	1.425007			5
4.12	4.13	4.15	1925.943	1.015904			6
Height Summation:			**47083.374**				
Amount Avg CF:			**2.979533**	Linear:			
Aroclor-1221					**3**	**161.27**	
3.19	3.20	3.23	2225.015	1.957295			1
+ 3.19	3.22	3.23	382.2429	0.33625			1
3.25	3.26	3.29	55382.48	55.186252			2
+ 3.25	3.28	3.29	19436.07	19.367205			2
3.30	3.31	3.34	2231.25	0.707851			3
Height Summation:			**59838.745**				
Amount Avg CF:			**19.283799**	Linear:			
Aroclor-1232					**6**	**85.83**	
3.30	3.31	3.34	2231.25	0.873211			1
3.51	3.55	3.55	16304.24	15.351397			2
+ 3.63	3.64	3.67	1869.284	1.425513			3
3.63	3.66	3.67	14402.86	10.983599			3
3.86	3.86	3.90	8431.267	6.201939			4
+ 3.86	3.88	3.90	1913.98	1.407901			4
3.92	3.94	3.96	3787.814	3.3519			5
4.12	4.13	4.16	1925.943	2.398968			6
Height Summation:			**47083.374**				
Amount Avg CF:			**6.526836**	Linear:			
Aroclor-1242					**6**	**81.48**	
3.30	3.31	3.34	2231.25	1.191977			1
3.51	3.55	3.55	16304.24	8.869484			2
+ 3.63	3.64	3.67	1869.284	0.83871			3
3.63	3.66	3.67	14402.86	6.462275			3
3.86	3.86	3.90	8431.267	3.512245			4
+ 3.86	3.88	3.90	1913.98	0.797314			4
3.92	3.94	3.96	3787.814	1.913564			5
4.12	4.13	4.16	1925.943	1.258059			6
Height Summation:			**47083.374**				
Amount Avg CF:			**3.867934**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274B
Result file : 25PCBS17309003B.044.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.17842
%SSR(DCB) : 99% (48-164) Conc.: 26.94547

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**153.88**	
3.05	3.05	3.09	4640.497	1.126252			1
+ 3.05	3.07	3.09	4415.292	1.071594			1
+ 3.05	3.08	3.09	646.4572	0.156896			1
+ 3.38	3.40	3.42	3787.52	0.799707			2
3.38	3.42	3.42	230376	48.642173			2
3.58	3.59	3.62	2807.527	0.669983			3
+ 3.58	3.61	3.62	2385.685	0.569315			3
+ 3.66	3.67	3.70	1128.777	0.244304			4
3.66	3.68	3.70	3370.653	0.72952			4
+ 3.66	3.69	3.70	1838.784	0.397973			4
3.72	3.72	3.76	58680.27	16.278021			5
+ 3.72	3.75	3.76	684.832	0.189974			5
Height Summation:			**299874.947**				
Amount Avg CF:			**13.48919**	Linear:			
Aroclor-1221					**2**	**138.51**	
2.99	3.00	3.03	103178.5	79.297404			2
3.05	3.05	3.09	4640.497	0.824188			3
+ 3.05	3.07	3.09	4415.292	0.78419			3
+ 3.05	3.08	3.09	646.4572	0.114816			3
Height Summation:			**107818.997**				
Amount Avg CF:			**40.060796**	Linear:			
Aroclor-1232					**5**	**150.32**	
3.05	3.05	3.09	4640.497	1.030951			1
+ 3.05	3.07	3.09	4415.292	0.980918			1
+ 3.05	3.08	3.09	646.4572	0.143619			1
+ 3.38	3.40	3.42	3787.52	1.847908			2
3.38	3.42	3.42	230376	112.399036			2
3.58	3.59	3.62	2807.527	1.355872			3
+ 3.58	3.61	3.62	2385.685	1.152147			3
+ 3.66	3.67	3.70	1128.777	0.569791			4
3.66	3.68	3.70	3370.653	1.701459			4
+ 3.66	3.69	3.70	1838.784	0.928193			4
3.71	3.72	3.75	58680.27	45.230768			5
Height Summation:			**299874.947**				
Amount Avg CF:			**32.343617**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/10/17 ACF PBLK25283 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274A
Result file : 25PCBS17309003.044.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**118.57**	
3.85	3.86	3.89	8431.267	5.445386			1
+ 3.85	3.88	3.89	1913.98	1.236156			1
3.92	3.94	3.96	3787.814	2.583661			2
3.98	4.02	4.02	1350.122	0.541003			3
4.21	4.23	4.25	2405.962	1.040475			4
4.39	4.39	4.43	34416.44	13.469804			5
4.53	4.55	4.57	4196.876	1.685286			6
Height Summation:			**54588.481**				
Amount Avg CF:			**4.127603**	Linear:			
Aroclor-1254					**6**	**126.78**	
4.73	4.76	4.77	14494.47	5.107063			1
4.79	4.81	4.83	4083.094	0.720051			2
4.92	4.96	4.96	2707.239	1.55765			3
5.01	5.04	5.05	2810.635	0.7269			4
5.22	5.24	5.26	465.9099	0.142742			5
5.33	5.36	5.37	1939.108	0.49042			6
Height Summation:			**26500.4559**				
Amount Avg CF:			**1.457471**	Linear:			
Aroclor-1260					**5**	**103.69**	
4.92	4.96	4.96	2707.239	0.682034			1
5.12	5.14	5.16	6205.297	1.637225			2
5.33	5.36	5.37	1939.108	0.363495			3
5.56	5.57	5.60	613.4612	0.213071			4
5.80	5.82	5.84	737.3178	0.097173			5
Height Summation:			**12202.423**				
Amount Avg CF:			**0.5986**	Linear:			
Aroclor-1262					**4**	**186.10**	
5.40	5.43	5.44	9535.41	1.915438			1
5.56	5.57	5.60	613.4612	0.145781			2
5.80	5.82	5.84	737.3178	0.077076			3
6.06	6.06	6.10	112482.4	38.331066			5
Height Summation:			**123368.589**				
Amount Avg CF:			**10.11734**	Linear:			
Aroclor-1268					**3**	**105.07**	
6.19	6.21	6.23	16724.95	1.99303			3
6.26	6.28	6.30	16873.95	7.268376			4
+ 6.26	6.30	6.30	3465.99	1.492959			4
6.64	6.66	6.68	20631.52	0.687232			6
Height Summation:			**54230.42**				
Amount Avg CF:			**3.316213**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274B
Result file : 25PCBS17309003B.044.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**152.11**	
3.05	3.05	3.09	4640.497	1.428124			1
+ 3.05	3.07	3.09	4415.292	1.358817			1
+ 3.05	3.08	3.09	646.4572	0.198949			1
+ 3.38	3.40	3.42	3787.52	1.055309			2
3.38	3.42	3.42	230376	64.1892			2
3.58	3.59	3.62	2807.527	0.782808			3
+ 3.58	3.61	3.62	2385.685	0.665188			3
+ 3.66	3.67	3.70	1128.777	0.309898			4
3.66	3.68	3.70	3370.653	0.925388			4
+ 3.66	3.69	3.70	1838.784	0.504825			4
3.71	3.72	3.75	58680.27	23.011871			5
Height Summation:			**299874.947**				
Amount Avg CF:			**18.067478**	Linear:			
Aroclor-1248					**5**	**117.16**	
3.58	3.59	3.62	2807.527	1.377459			1
+ 3.58	3.61	3.62	2385.685	1.170491			1
+ 3.66	3.67	3.70	1128.777	0.427335			2
3.66	3.68	3.70	3370.653	1.276071			2
+* 3.69	3.69	3.73	1838.784	0.43476			3
+* 3.66	3.69	3.70	1838.784	0.696132			2
3.69	3.72	3.73	58680.27	13.874308			3
3.92	3.93	3.96	21923.36	6.420789			5
+ 3.92	3.96	3.96	13683.76	4.007622			5
+ 4.06	4.07	4.10	2406.355	0.364255			6
4.06	4.09	4.10	5728.957	0.867205			6
Height Summation:			**92510.767**				
Amount Avg CF:			**4.763166**	Linear:			
Aroclor-1254					**6**	**107.76**	
4.38	4.40	4.42	1362.086	0.285706			1
4.45	4.45	4.49	1240.752	0.142808			2
4.54	4.57	4.58	11071.51	2.923975			3
4.62	4.63	4.66	2050.979	0.353308			4
4.85	4.87	4.89	3211.182	0.8005			5
4.93	4.96	4.97	18335.43	3.054359			6
Height Summation:			**37271.939**				
Amount Avg CF:			**1.260109**	Linear:			
Aroclor-1260					**6**	**159.03**	
4.69	4.70	4.72	5580.838	0.78516			1
4.80	4.83	4.84	77108.57	12.27982			2
4.93	4.96	4.97	18335.43	2.621341			3
5.16	5.18	5.20	2964.948	0.643049			4
5.35	5.37	5.39	2763.73	0.268824			5
5.61	5.64	5.65	6792.738	0.961465			6
Height Summation:			**113546.254**				
Amount Avg CF:			**2.92661**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 11/10/17 ACF PBLK25283Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274A
Result file : 25PCBS17309003.044.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 03:14:13
Instrument : CP25--18274B
Result file : 25PCBS17309003B.044.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**68.33**	
4.96	5.00	5.00	2784.168	0.393654			1
5.16	5.18	5.20	2964.948	0.398063			2
5.35	5.37	5.39	2763.73	0.187586			3
5.57	5.60	5.61	1221.749	0.223748			4
5.61	5.64	5.65	6792.738	0.676282			5
5.99	6.01	6.03	5844.641	1.08636			6
Height Summation:			**22371.974**				
Amount Avg CF:			**0.494282**	Linear:			
Aroclor-1268					**6**	**143.63**	
5.57	5.60	5.61	1221.749	0.080632			1
5.61	5.64	5.65	6792.738	0.460754			2
5.77	5.79	5.81	21615.98	1.772735			3
5.84	5.85	5.88	22083.47	7.091367			4
5.99	6.01	6.03	5844.641	1.114803			5
6.19	6.21	6.23	21895.93	0.511713			6
Height Summation:			**79454.508**				
Amount Avg CF:			**1.838668**	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		** 127.63	4	40	
Aroclor-1221			51	15.3		** 70.02	3	5	
Aroclor-1232			51	12.3		** 132.83	4	10	
Aroclor-1242			51	12.3		** 129.47	4	30	
Aroclor-1248			51	9.9		14.30	4	40	
Aroclor-1254			51	13.2		14.52	4	40	
Aroclor-1260			51	11.7		** 132.08	4	40	
Aroclor-1262			51	9.9		** 181.37	4	40	
Aroclor-1268			51	9.9		** 57.33	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:14:13 AM 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: 25pcbs17309003.044.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.025		4913	6622
2.053		5121	3518
2.1		740	687
2.116		60718	42934
2.151		1486	1166
2.173		1409	826
2.204		4915	5731
2.258		539818	402677
2.299		1339	1260
2.328		17014	11132
2.351		42334	30118
2.378		1850	908
2.415		681	434
2.438		6704	5062
2.461		2176	1804
2.518		2380421	1549675
2.562		5457	4587
2.615		711	330
2.633		12688	11248
2.698		1230	657
2.718		953	553
2.753		2321	1681
2.79		3111	3077
2.829		12555	7959
2.863		54022	52547
2.905		2628	1385
2.918		3216	1547
2.937		1396	765
2.959		1736	1177
3.004		26172	24411
3.059	TCX	4290695	2854565
3.112		7094	3990
3.139		2012	1299
3.199		2225	1592
3.219		382	124
3.244		10846	7083
3.261		55382	33728
3.284		19436	11872
3.315		2231	2015
3.351		1308	592
3.372		7768	4917
3.395		9684	6648
3.417		5128	3735
3.457		7680	6061
3.492		3906	2542
3.548		16304	17130
3.607		306941	220216
3.642		1869	823
3.659		14403	10345
3.688		2949	2333
3.731		142221	99911
3.771		3527	2137
3.802		161863	119502
3.859		8431	10911

RT A	Compound A	Height A	Area A
3.883		1914	1219
3.909		1586	949
3.943		3788	4439
3.981		1806	1699
4.016		1350	977
4.048		30305	23040
4.085		1568	1564
4.128		1926	1316
4.162		348	437
4.178		1015	866
4.229		2406	3642
4.271		1362	987
4.301		9055	11495
4.353		45644	44411
4.395		34416	26292
4.465		12023	11591
4.554		4197	7224
4.64		127	318
4.65		1123	664
4.699		7024	7707
4.756		14494	14283
4.813		4083	4153
4.904		1812	2458
4.957		2707	3280
4.99		983	681
5.013		3929	3066
5.039		2811	2147
5.071		38522	34383
5.143		6205	5767
5.165		755	394
5.197		56401	50154
5.243		466	295
5.257		2142	2023
5.312		43294	39381
5.357		1939	1893
5.374		639	353
5.426		9535	11024
5.462		740	536
5.492		569	642
5.565		613	416
5.603		963	1750
5.641		4250	6484
5.721		18679	18037
5.766		603	358
5.789		532	306
5.82		737	514
5.842		23687	21331
5.924		2956	11514
6.06		112482	738951
6.213		16725	13541
6.279		16874	12758
6.296		3466	2530
6.332		822	644
6.353		710	343
6.385		411	255
6.425		742	705
6.494		2240	8388
6.615		837	2259
6.66		20632	19778
6.775		34492	54377
6.809	DCB	2091551	1976516
6.839		34621	53927

LANCASTER LABORATORIES

Sample Number: BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:14:13 AM 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: 25pcbs17309003B.044.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.019		872014	697623
2.079		98115	89172
2.138		17504	19575
2.188		4391	2692
2.207		5175	6333
2.266		4094849	2710661
2.338		2310	1535
2.356		29329	19397
2.403		8536	15816
2.511		5002	2841
2.549		22132	14524
2.593		114181	74923
2.618		8514	5038
2.691		4674	3781
2.715		24995	15553
2.751		44422	25201
2.78	TCX	7600735	4796933
2.867		2784	1843
2.902		37046	21638
2.928		42866	34228
2.98		5882	3678
3.002		103179	72147
3.052		4640	2582
3.069		4415	2232
3.082		646	155
3.094		2598	986
3.109		5431	2377
3.12		10602	4918
3.137		1368	571
3.158		11153	10026
3.183		2253	1042
3.203		980	317
3.216		10147	6131
3.234		565	121
3.253		27556	15407
3.27		2634	1254
3.289		1622	807
3.318		533212	329607
3.345		1833	541
3.364		25556	13492
3.381		10863	5176
3.404		3788	2002
3.421		230376	144105
3.458		1095	664
3.469		1666	623
3.483		3359	1486
3.499		265676	165528
3.531		2595	1142
3.544		10601	7055
3.585		2808	2111
3.611		2386	1269
3.636		975	244
3.641		1249	281
3.655		1676	421

RT B	Compound B	Height B	Area B
3.666		1129	443
3.68		3371	1616
3.694		1839	800
3.718		58680	37881
3.755		685	259
3.768		2683	1178
3.776		766	152
3.795		3472	3333
3.868		3169	2117
3.895		2126	1837
3.933		21923	16395
3.958		13684	10019
3.99		3819	2208
4.031		60460	42046
4.067		2406	1088
4.086		5729	3957
4.148		80885	72252
4.229		999	804
4.24		4023	3198
4.292		22951	17294
4.338		3744	3154
4.356		3800	1886
4.377		16635	11437
4.399		1362	1153
4.45		1241	1131
4.491		868	214
4.512		4649	3634
4.568		11072	9423
4.603		5016	4536
4.634		2051	1708
4.658		1252	733
4.682		48618	36165
4.705		5581	2997
4.765		1233	367
4.778		1645	992
4.829		77109	67747
4.872		3211	3027
4.905		1198	466
4.924		54873	43688
4.963		18335	15353
4.997		2784	2210
5.033		1266	1183
5.093		1225	1259
5.131		1539	1586
5.179		2965	2110
5.208		2053	1973
5.252		2222	3192
5.288		1333	551
5.325		23930	22582
5.367		2764	2529
5.405		921	808
5.448		33386	33487
5.489		2449	1965
5.597		1222	218
5.608		1198	494
5.638		6793	8540
5.749		5430	15562
5.788		21616	18491
5.819		1532	1212
5.855		22083	17507
5.905		10483	9198
5.938		4951	6226
6.006		5845	8835
6.072		14178	32545
6.18		2974	8274
6.207		21896	16492

RT B	Compound B	Height B	Area B
6.251		19987	44833
6.334		7341	13735
6.371	DCB	3094967	2772432
6.6		29851	132771
6.645		14365	32362
6.724		5709	4164
6.83		21969	56199
6.899		5463	9274
6.939		4784	5542
6.974		4891	5108

BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 80

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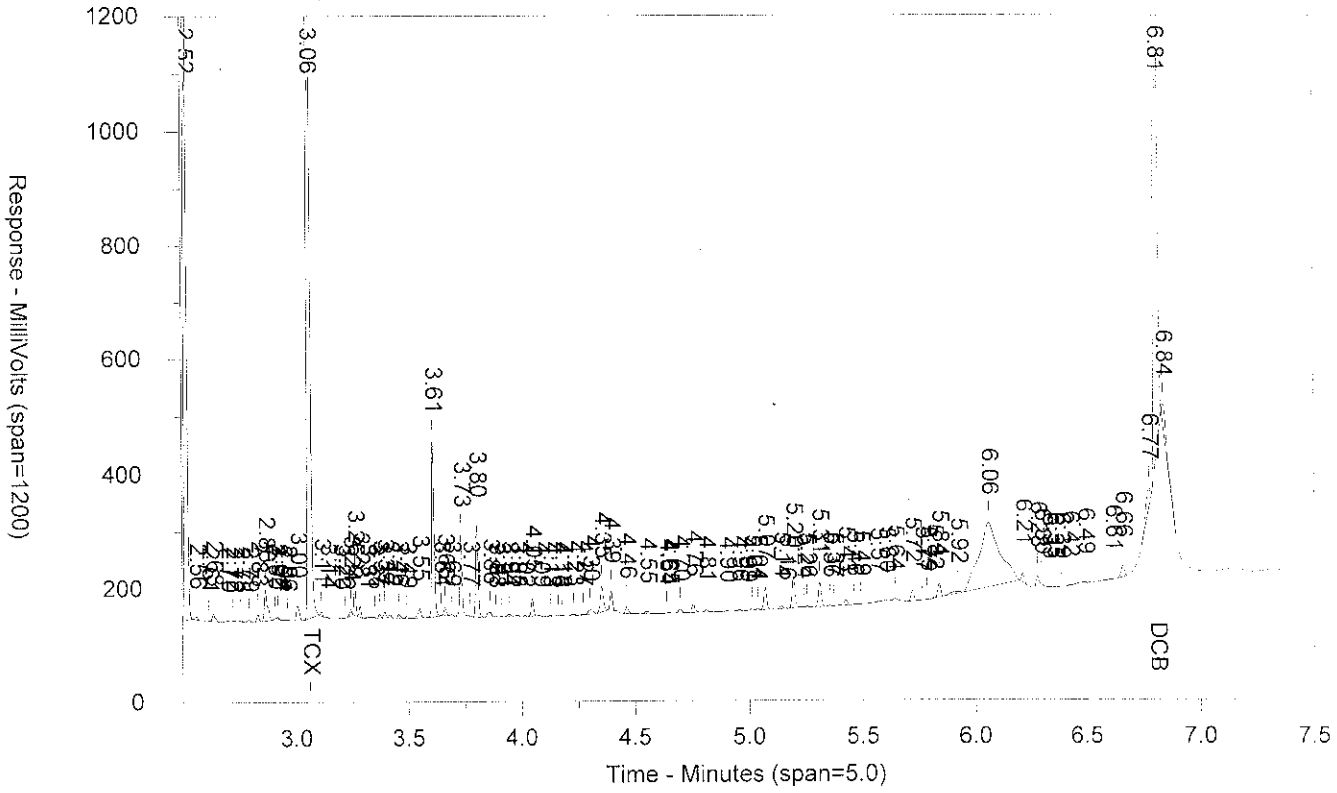

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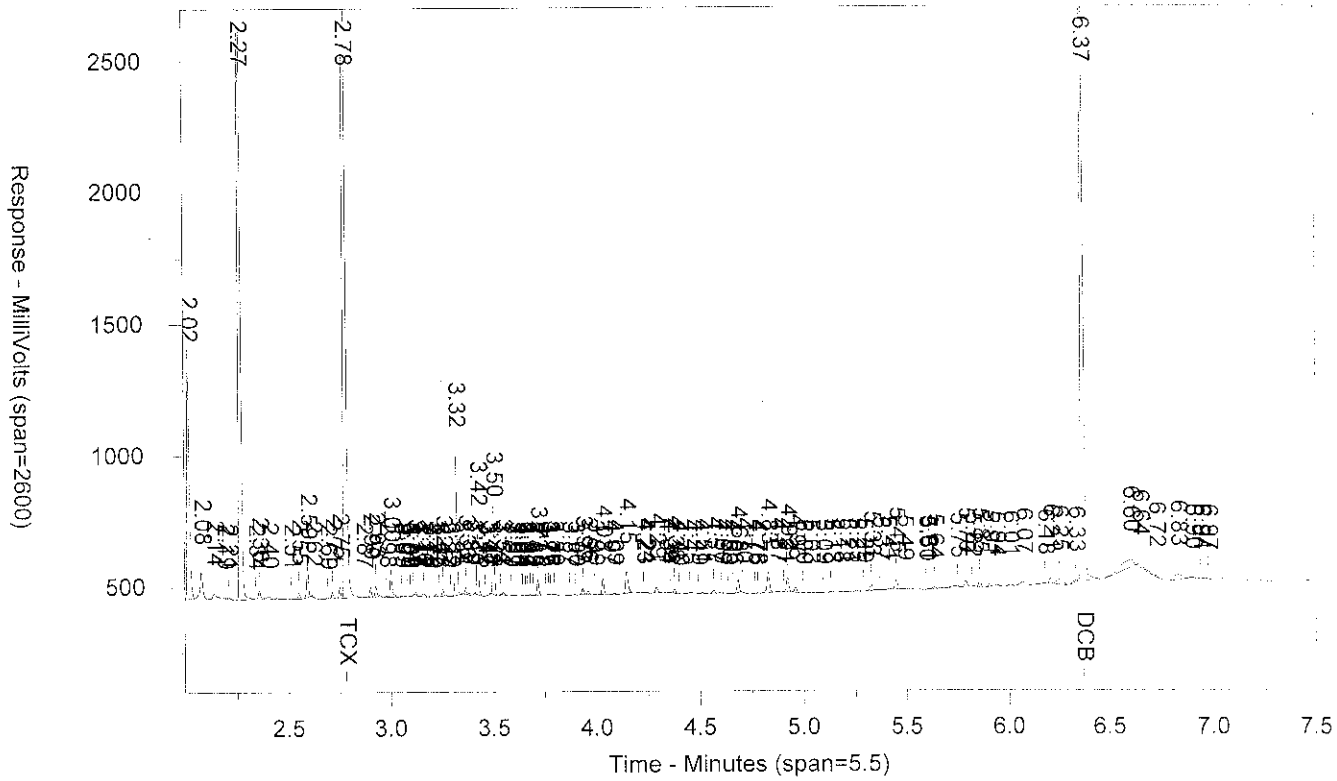

LANCASTER LABORATORIES

Sample Number: BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:14:13 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.059	4290695	31.126	TCX	2.78	7600735	31.178	TCX
6.809	2091551	24.912	DCB	6.371	3094967	26.945	DCB

Files:
Area File: 25pcbs17309003.044.RAW
Area File: 25pcbs17309003B.044.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 4:20:21 AM
File Reported On: 11/14/2017 at 4:20:51 AM

BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 80

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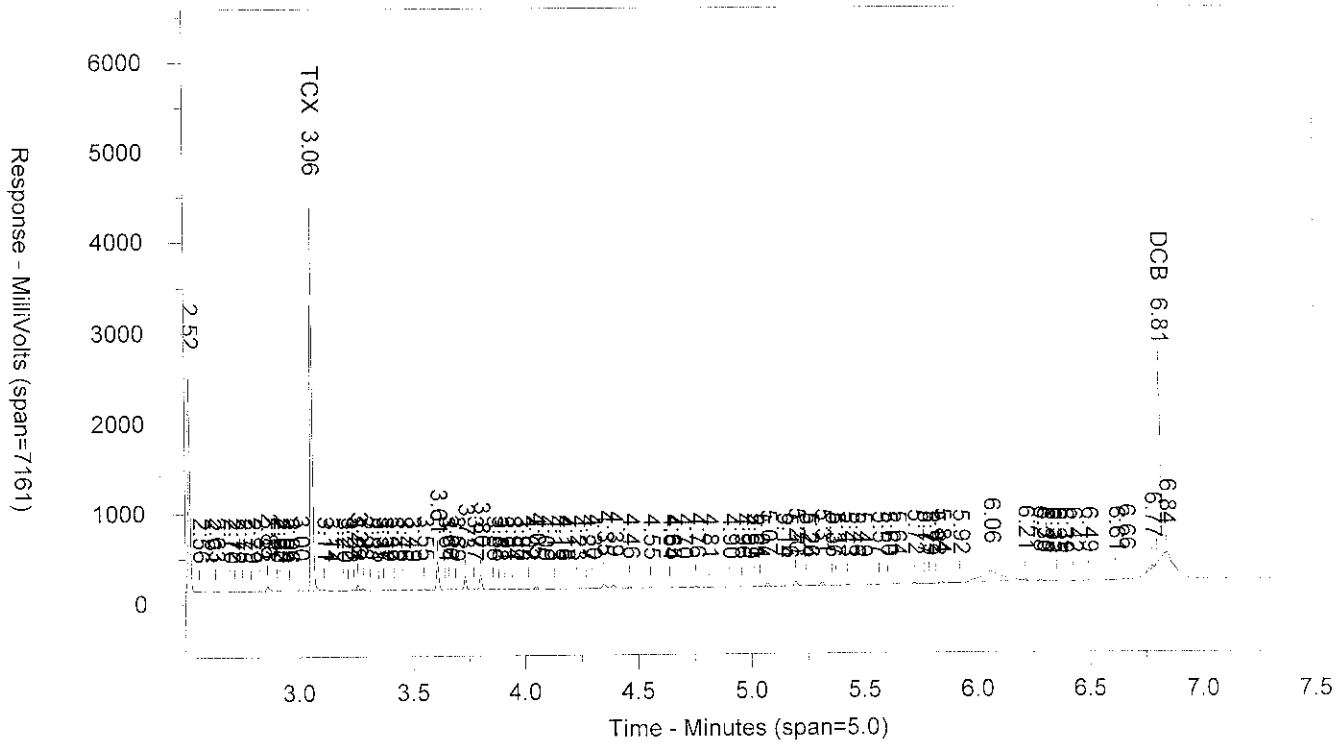

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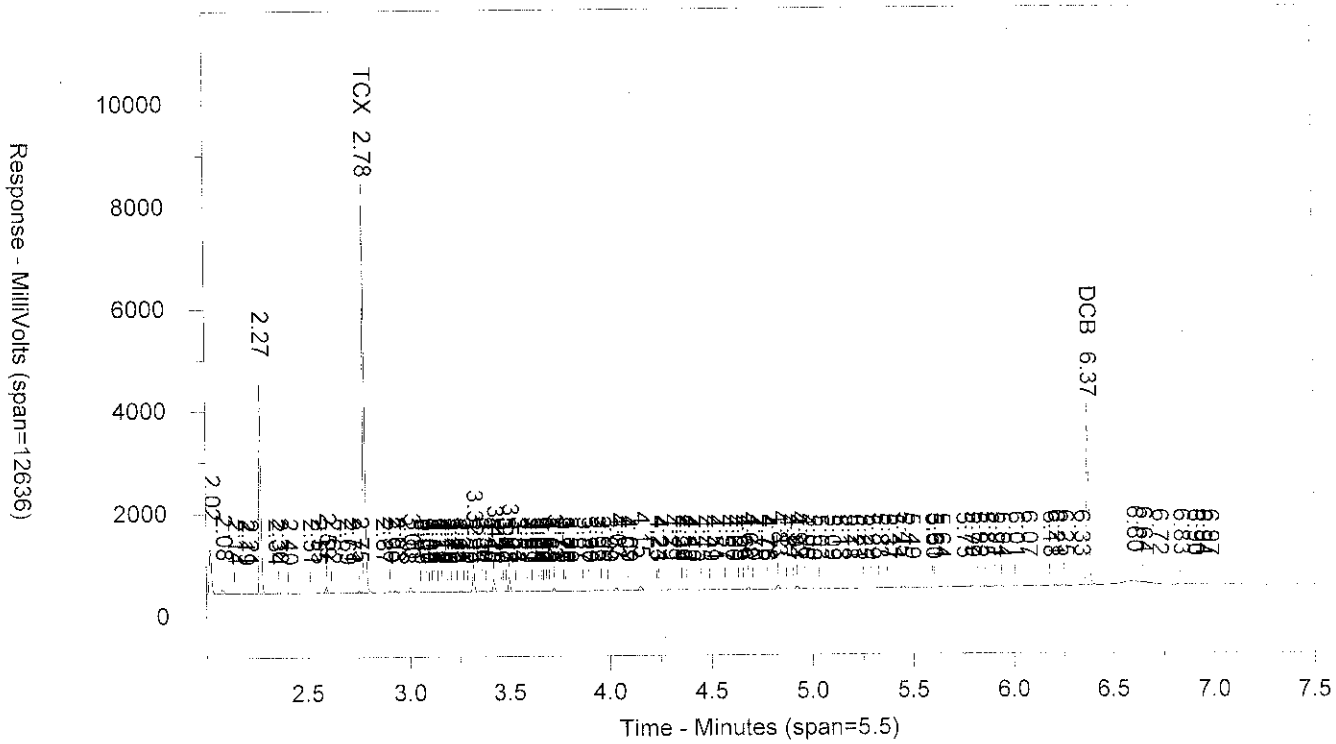

BLANKA 11/10/17 ACFABPBLK25283 BLK 172830025A 10225 SW-846 80

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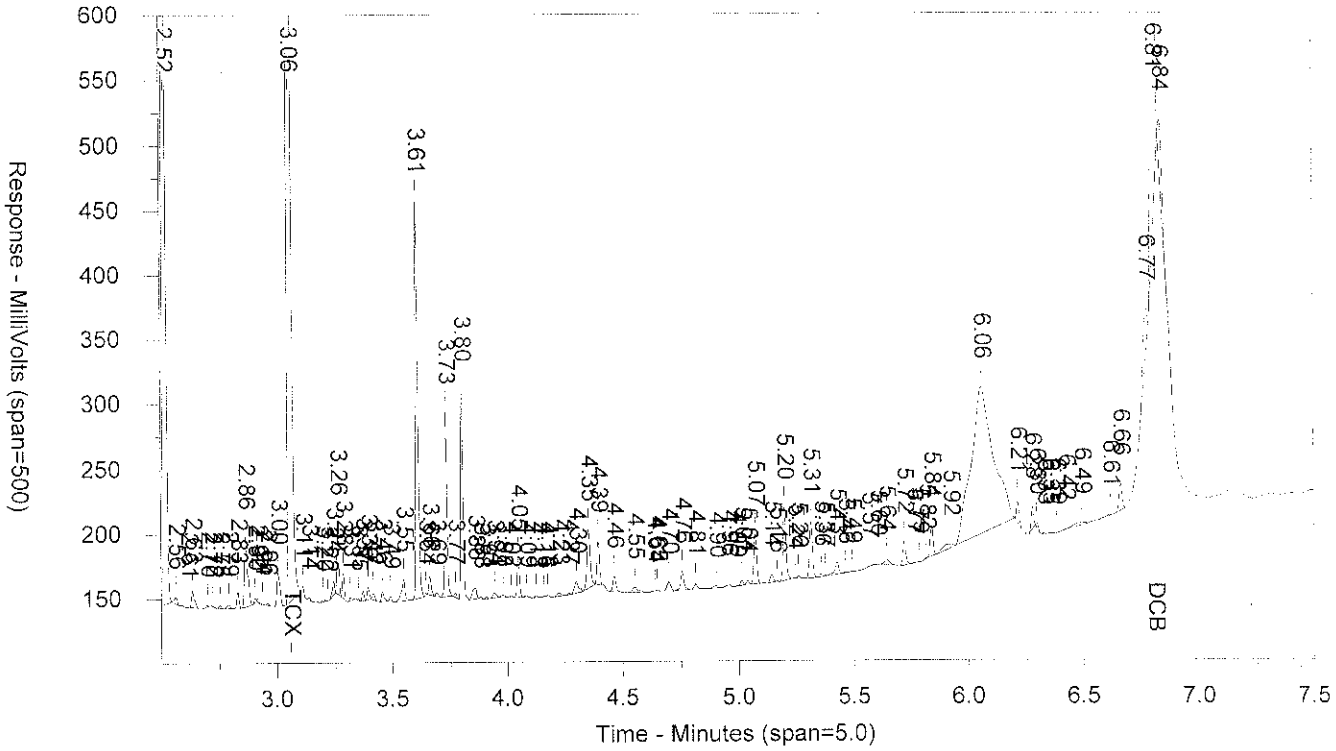

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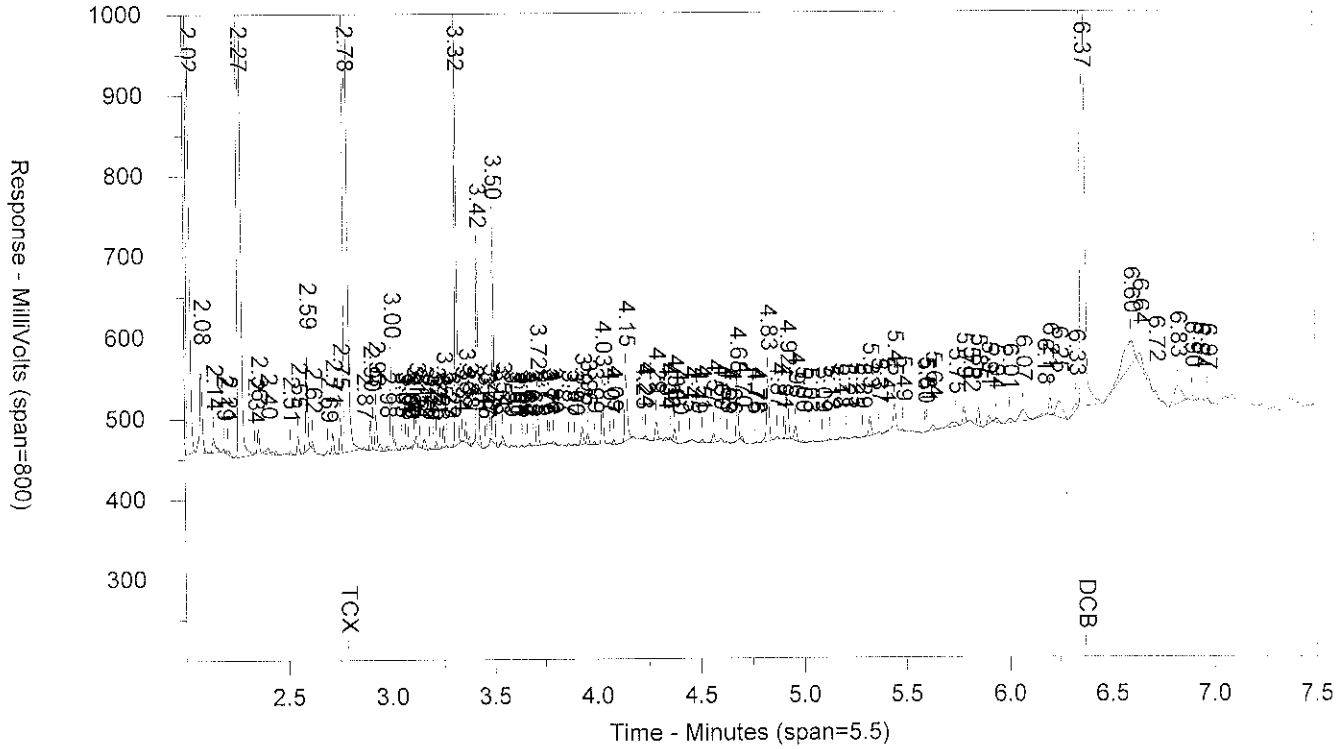

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Data Summary

Sample Name: LCSA 11/10/17 ACF LCS25283 LCS Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on Nov 14, 2017 03:25:30
Instrument 18274A
Result file 25PCBS17309003.045.RAW
Calibration file 25PCBS1730901
Method file 25PCBS

%SSR(TCX) 103% (61 - 152) Conc: 31.44361
%SSR(DCB) 102% (48 - 164) Conc: 27.70688

Analysis Report (B)

Injected on Nov 14, 2017 03:25:30
Instrument 18274B
Result file 25PCBS17309003B.045.RAW
Calibration file 25PCBS1730901B
Method file 25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 32.1379
%SSR(DCB) 103% (48 - 164) Conc: 27.86819

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.03	3.06	3.09	4334424	31.44361	Tetrachloro-m-xylene	2.75	2.78	2.81	7834638	32.1379
Decachlorobiphenyl	6.78	6.81	6.84	2326228	27.70688	Decachlorobiphenyl	6.34	6.37	6.40	3200950	27.86819

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	32.1379				2.18	
Tetrachloro-m-xylene-D1	A	31.44361					
Tetrachloro-m-xylene-D2	B	32.1379					
Decachlorobiphenyl	B	27.86819				0.58	
Decachlorobiphenyl-D1	A	27.70688					
Decachlorobiphenyl-D2	B	27.86819					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.70**	
3.29	3.32	3.33	1082151	456.252384			1
3.51	3.54	3.55	1087897	457.275828			2
3.63	3.65	3.67	1353225	455.875788			3
3.86	3.88	3.90	1470798	486.763073			4
3.92	3.94	3.96	1245760	468.665297			5
4.12	4.14	4.15	900716.3	475.113525			6
Height summation:			**7140547.3**				
Concentration		CF:	**466.657649**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.43**	
3.05	3.07	3.09	1906309	462.662466			1
3.38	3.40	3.42	2058404	434.616639			2
3.58	3.60	3.62	2087047	498.048694			3
3.66	3.68	3.70	2289065	495.428994			4
3.72	3.74	3.76	1885499	523.04109			5
3.83	3.85	3.87	1708056	475.244166			6
Height summation:			**11934380**				
Concentration		CF:	**481.507008**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.19**	
4.92	4.94	4.96	1918619	483.35691			1
5.12	5.15	5.16	1913414	504.841235			2
5.33	5.35	5.37	2747697	515.068171			3
5.56	5.58	5.60	1322244	459.249822			4
5.80	5.82	5.84	3812296	502.433804			5
6.00	6.03	6.04	2196094	478.768886			6
Height summation:			**13910364**				
Concentration		CF:	**490.619805**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**3.20**	
4.69	4.71	4.72	3661281	515.100463			1
4.80	4.81	4.84	3214766	511.963156			2
4.93	4.95	4.97	3744924	535.396325			3
5.16	5.18	5.20	2239879	485.793685			4
5.35	5.37	5.39	5385654	523.855547			5
5.61	5.63	5.65	3642031	515.5043			6
Height summation:			**21888535**				
Concentration		CF:	**514.602246**	L:			

Valerie L. Tomaylo
Principal Specialist

NOV 15 2017

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:04:22

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Data Summary

Sample Name: LCSA 11/10/17 ACF LCS25283 LCS Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Nov 14, 2017 03:25:30
Instrument	18274A
Result file	25PCBS17309003.045.RAW
Calibration file	25PCBS1730901
Method file	25PCBS

Analysis Report (B)

Injected on	Nov 14, 2017 03:25:30
Instrument	18274B
Result file	25PCBS17309003B.045.RAW
Calibration file	25PCBS1730901B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	481.507008	51	9.9		3.13	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	514.602246	51	11.7		4.77	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	996.109254	51	9.9				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 11/15/2017 14:04:22

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 11** /10/17 ACF LCS25283 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274A
Result file : 25PCBS17309003.045.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.70**	
3.29	3.32	3.33	1082151	456.252384			1
3.51	3.54	3.55	1087897	457.275828			2
3.63	3.65	3.67	1353225	455.875788			3
3.86	3.88	3.90	1470798	486.763073			4
3.92	3.94	3.96	1245760	468.665297			5
4.12	4.14	4.15	900716.3	475.113525			6
Height Summation:			**7140547.3**				
Amount Avg CF:			**466.657649**	Linear:			
Aroclor-1221					**3**	**22.49**	
E 3.19	3.21	3.23	267428.1	235.250354			1
E 3.25	3.27	3.29	239984.1	239.133804			2
E 3.30	3.32	3.34	1082151	343.305961			3
Height Summation:			**1589563.2**				
Amount Avg CF:			**272.563373**	Linear:			
Aroclor-1232					**6**	**27.76**	
E 3.30	3.32	3.34	1082151	423.505282			1
E 3.51	3.54	3.55	1087897	1024.31877			2
E 3.63	3.65	3.67	1353225	1031.967303			3
E 3.86	3.88	3.90	1470798	1081.901377			4
E 3.92	3.94	3.96	1245760	1102.393845			5
E 4.12	4.14	4.16	900716.3	1121.938389			6
Height Summation:			**7140547.3**				
Amount Avg CF:			**964.337494**	Linear:			
Aroclor-1242					**6**	**3.11**	
E 3.30	3.32	3.34	1082151	578.106085			1
E 3.51	3.54	3.55	1087897	591.814453			2
E 3.63	3.65	3.67	1353225	607.164971			3
E 3.86	3.88	3.90	1470798	612.69592			4
E 3.92	3.94	3.96	1245760	629.344946			5
E 4.12	4.14	4.16	900716.3	588.363136			6
Height Summation:			**7140547.3**				
Amount Avg CF:			**601.248252**	Linear:			
Aroclor-1248					**6**	**49.41**	
E 3.85	3.88	3.89	1470798	949.924072			1
3.92	3.94	3.96	1245760	849.730636			2
3.98	4.01	4.02	815163.3	326.641653			3
4.21	4.23	4.25	927879.5	401.268021			4
4.39	4.40	4.43	1000326	391.504602			5
+ 4.39	4.42	4.43	257041.4	100.600095			5
4.53	4.56	4.57	976579.9	392.152698			6
Height Summation:			**6436506.7**				
Amount Avg CF:			**551.870281**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274B
Result file : 25PCBS17309003B.045.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**6.43**	
3.05	3.07	3.09	1906309	462.662466			1
3.38	3.40	3.42	2058404	434.616639			2
+ 3.38	3.42	3.42	129809.4	27.408286			2
+ 3.58	3.59	3.62	99104.51	23.650101			3
3.58	3.60	3.62	2087047	498.048694			3
3.66	3.68	3.70	2289065	495.428994			4
3.72	3.74	3.76	1885499	523.04109			5
+ 3.72	3.75	3.76	431250.4	119.6297			5
3.83	3.85	3.87	1708056	475.244166			6
Height Summation:			**11934380**				
Amount Avg CF:			**481.507008**	Linear:			
Aroclor-1221					**3**	**18.06**	
E 2.93	2.95	2.97	524786.7	235.348384			1
E 2.99	3.02	3.03	401964.3	308.927979			2
E 3.05	3.07	3.09	1906309	338.575336			3
Height Summation:			**2833060**				
Amount Avg CF:			**294.2839**	Linear:			
Aroclor-1232					**6**	**32.94**	
E 3.05	3.07	3.09	1906309	423.513031			1
E 3.38	3.40	3.42	2058404	1004.282673			2
+ 3.38	3.42	3.42	129809.4	63.333209			2
+ 3.58	3.59	3.62	99104.51	47.861706			3
E 3.58	3.60	3.62	2087047	1007.922142			3
E 3.66	3.68	3.70	2289065	1155.488327			4
E 3.71	3.74	3.75	1885499	1453.343142			5
E 3.82	3.85	3.86	1708056	1148.906319			6
Height Summation:			**11934380**				
Amount Avg CF:			**1032.242606**	Linear:			
Aroclor-1242					**6**	**10.29**	
E 3.05	3.07	3.09	1906309	586.671242			1
E 3.38	3.40	3.42	2058404	573.528949			2
+ 3.38	3.42	3.42	129809.4	36.168531			2
+ 3.58	3.59	3.62	99104.51	27.632807			3
E 3.58	3.60	3.62	2087047	581.920713			3
E 3.66	3.68	3.70	2289065	628.446198			4
E 3.71	3.74	3.75	1885499	739.411373			5
E 3.83	3.85	3.87	1708056	586.514389			6
Height Summation:			**11934380**				
Amount Avg CF:			**616.082144**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 11** /10/17 ACF LCS25283 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274A
Result file : 25PCBS17309003.045.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	105.02	
4.73	4.75	4.77	154647.8	54.489475			1
4.79	4.82	4.83	624911.4	110.202799			2
E 4.92	4.94	4.96	1918619	1103.905902			3
5.01	5.04	5.05	366420.4	94.765468			4
5.22	5.24	5.26	1115519	341.763688			5
5.33	5.35	5.37	2747697	694.920528			6
Height Summation:			**6927814.6**				
Amount Avg CF:			**400.007977**	Linear:			
Aroclor-1260					6	4.19	
4.92	4.94	4.96	1918619	483.35691			1
5.12	5.15	5.16	1913414	504.841235			2
5.33	5.35	5.37	2747697	515.068171			3
+ 5.56	5.56	5.60	159975.9	55.563802			4
5.56	5.58	5.60	1322244	459.249822			4
5.80	5.82	5.84	3812296	502.433804			5
6.00	6.03	6.04	2196094	478.768886			6
Height Summation:			**13910364**				
Amount Avg CF:			**490.619805**	Linear:			
Aroclor-1262					6	42.98	
E 5.40	5.42	5.44	1252734	251.644612			1
E 5.56	5.58	5.60	1322244	314.213079			2
E 5.80	5.82	5.84	3812296	398.521628			3
E 6.00	6.03	6.04	2196094	360.596837			4
+ 6.06	6.07	6.10	51567.19	17.572753			5
6.06	6.08	6.10	190394.4	64.881443			5
E 6.44	6.45	6.48	965065.8	253.341821			6
Height Summation:			**9738828.2**				
Amount Avg CF:			**273.86657**	Linear:			
Aroclor-1268					6	126.61	
E 6.00	6.03	6.04	2196094	210.861985			1
+ 6.06	6.07	6.10	51567.19	5.810505			2
6.06	6.08	6.10	190394.4	21.453323			2
6.19	6.21	6.23	60873.56	7.254002			3
6.26	6.27	6.30	70896.04	30.53814			4
E 6.44	6.45	6.48	965065.8	255.838084			5
6.64	6.66	6.68	272994.6	9.093402			6
Height Summation:			**3756318.4**				
Amount Avg CF:			**89.173156**	Linear:			

Analysis Report (B)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274B
Result file : 25PCBS17309003B.045.RAW
Calibration file : 25PCBS1730901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	58.77	
+ 3.58	3.59	3.62	99104.51	48.623733			1
E 3.58	3.60	3.62	2087047	1023.969714			1
3.66	3.68	3.70	2289065	866.600474			2
3.69	3.71	3.73	1439894	340.447178			3
3.82	3.85	3.86	1708056	343.990214			4
+ 3.92	3.93	3.96	551084.1	161.398368			5
3.92	3.94	3.96	1306822	382.734575			5
4.06	4.08	4.10	1918802	290.45322			6
Height Summation:			**10749686**				
Amount Avg CF:			**541.365896**	Linear:			
Aroclor-1254					6	114.40	
4.38	4.40	4.42	404326.2	84.810033			1
+ 4.45	4.45	4.49	314169.9	36.160418			2
+ 4.45	4.47	4.49	322096	37.072698			2
4.45	4.48	4.49	889182.6	102.343396			2
4.54	4.56	4.58	3211600	848.180338			3
4.62	4.64	4.66	345409.7	59.50132			4
4.85	4.87	4.89	353924.2	88.228074			5
4.93	4.95	4.97	3744924	623.838136			6
Height Summation:			**8949366.7**				
Amount Avg CF:			**301.150216**	Linear:			
Aroclor-1260					6	3.20	
4.69	4.71	4.72	3661281	515.100463			1
4.80	4.81	4.84	3214766	511.963156			2
4.93	4.95	4.97	3744924	535.396325			3
5.16	5.18	5.20	2239879	485.793685			4
5.35	5.37	5.39	5385654	523.855547			5
5.61	5.63	5.65	3642031	515.5043			6
Height Summation:			**21888535**				
Amount Avg CF:			**514.602246**	Linear:			
Aroclor-1262					6	27.63	
E 4.96	4.98	5.00	1566499	221.487809			1
E 5.16	5.18	5.20	2239879	300.71802			2
E 5.35	5.37	5.39	5385654	365.547234			3
5.57	5.59	5.61	984592.8	180.315688			4
E 5.61	5.63	5.65	3642031	362.598853			5
E 5.99	6.01	6.03	1287204	239.256363			6
Height Summation:			**15105859.8**				
Amount Avg CF:			**278.320661**	Linear:			
Aroclor-1268					6	118.02	
5.57	5.59	5.61	984592.8	64.980661			1
E 5.61	5.63	5.65	3642031	247.040345			2
5.77	5.79	5.81	74121.62	6.078743			3
5.84	5.85	5.88	61856.21	19.863051			4
E 5.99	6.01	6.03	1287204	245.520476			5
6.19	6.21	6.23	346624.5	8.100702			6
Height Summation:			**6396430.13**				
Amount Avg CF:			**98.59733**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 11** /10/17 ACF LCS25283 Sample ID: AB **Batchnumber: 172830025A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274A
Result file : 25PCBS17309003.045.RAW
Calibration file : 25PCBS1730901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Nov 14, 2017 03:25:30
Instrument : CP25--18274B
Result file : 25PCBS17309003B.045.RAW
Calibration file : 25PCBS1730901B.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						3.13	4	40	
Aroclor-1221						7.66	3	5	
Aroclor-1232						6.80	4	10	
Aroclor-1242						2.44	4	30	
Aroclor-1248						1.92	4	40	
Aroclor-1254						28.20	4	40	
Aroclor-1260						4.77	4	40	
Aroclor-1262						1.61	4	40	
Aroclor-1268						10.04	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:25:30 AM 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: 25pcbs17309003.045.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1730901.CAL

RT A	Compound A	Height A	Area A
2.029		4470	4633
2.054		7583	5640
2.099		2050	2712
2.117		65658	48069
2.166		2605	2521
2.212		7490	7770
2.238		721	920
2.258		505773	378280
2.311		1761	619
2.329		16197	10385
2.352		27955	27114
2.417		1359	880
2.438		8732	6445
2.466		1896	1470
2.492		515	461
2.518		2797879	1826380
2.564		3931	4486
2.608		934	582
2.635		9721	9863
2.667		1788	1131
2.698		37740	37071
2.751		4372	4067
2.781		3482	3775
2.83		11542	7328
2.876		101068	107747
2.906		1055	516
2.918		6587	4453
2.959		3518	2302
2.977		2932	1970
3.005		30333	30652
3.06	TCX	4334424	2931706
3.112		4236	2149
3.212		267428	235107
3.244		4048	1592
3.269		239984	207347
3.318		1082151	776598
3.372		8435	5298
3.395		4982	2439
3.414		168260	116273
3.456		10821	9869
3.492		3549	2361
3.536		1087897	655446
3.553		537376	284181
3.59		106989	56016
3.608		423553	310256
3.653		1353225	985355
3.688		7559	3890
3.705		10963	5778
3.73		287843	204731
3.765		250912	152015
3.781		128173	63458
3.802		162191	98304
3.827		680359	357858
3.84		1255355	691397

RT A	Compound A	Height A	Area A
3.879		1470798	1149994
3.94		1245760	965378
3.982		110826	76660
4.008		815163	590689
4.038		720388	1174082
4.138		900716	649701
4.164		310070	205507
4.195		369370	271159
4.232		927880	1019843
4.274		290093	230961
4.303		7945	3920
4.32		42409	26510
4.358		118710	96720
4.397		1000326	748757
4.417		257041	150756
4.442		247514	185198
4.511		139877	125227
4.556		976580	905090
4.592		44180	29366
4.655		28009	25567
4.697		449629	433788
4.755		154648	107069
4.771		195276	128371
4.818		624911	543105
4.864		822641	916539
4.905		237519	175174
4.944		1918619	1743749
4.989		85162	77397
5.036		366420	366216
5.071		75371	57556
5.095		303626	261510
5.147		1913414	1500861
5.166		302359	171175
5.198		483653	423697
5.24		1115519	1198039
5.281		24341	14625
5.318		245427	301618
5.355		2747697	2461756
5.377		141638	72651
5.395		29764	11748
5.418		1252734	1090517
5.461		839152	777066
5.559		159976	151620
5.581		1322244	1104246
5.64		742019	634301
5.68		413361	378032
5.721		111542	105086
5.762		585693	525335
5.788		6708	2661
5.818		3812297	3776483
5.907		4420	6784
5.968		1967	1727
6.025		2196094	2162978
6.07		51567	187030
6.079		190394	137204
6.173		1230	1006
6.214		60874	59535
6.273		70896	57784
6.299		366965	337647
6.387		534	178
6.414		1005	1107
6.455		965066	915780
6.501		66327	64392
6.602		1188	1387
6.658		272995	268701
6.694		659	575

RT A	Compound A	Height A	Area A
6.731		546	193
6.762		677	616
6.807	DCB	2326228	2360465
6.987		801	564

LANCASTER LABORATORIES

Sample Number: LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:25:30 AM 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: 25pcbs17309003B.045.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1730901b.CAL

RT B	Compound B	Height B	Area B
2.02		833372	657043
2.079		66510	73007
2.138		8852	6396
2.187		11833	9321
2.208		3867	3613
2.267		4847733	3199199
2.337		8686	5117
2.357		24760	17035
2.405		9965	9459
2.426		2037	1009
2.462		54750	56347
2.51		6732	6468
2.551		20705	14812
2.594		204393	125514
2.619		58853	33773
2.694		3397	1698
2.715		38962	21815
2.735		3865	1983
2.752		49091	27364
2.781	TCX	7834638	4889730
2.824		217518	191144
2.902		26526	15546
2.93		45910	27060
2.954		524787	397479
3.015		401964	326205
3.068		1906309	1229509
3.11		8214	3221
3.121		12532	5445
3.139		1733	946
3.159		8259	5329
3.182		284092	190952
3.216		10290	5446
3.236		1054	283
3.254		31559	18235
3.279		1543180	783757
3.29		565977	215730
3.319		489861	245378
3.331		83122	32614
3.354		224643	146706
3.38		174444	96142
3.404		2058404	1360659
3.422		129809	50779
3.441		235329	139764
3.487		398006	201941
3.502		400265	225727
3.531		7709	3127
3.555		1278049	580055
3.566		2475634	1125472
3.586		99105	36213
3.601		2087047	1498911
3.677		2289065	1451277
3.711		1439894	891801
3.736		1885499	1094016
3.755		431250	215290

RT B	Compound B	Height B	Area B
3.773		56734	32835
3.846		1708056	1211077
3.871		616480	361673
3.893		615557	395836
3.926		551084	308435
3.944		1306822	785641
3.988		505354	386997
4.036		314350	314332
4.06		302688	192083
4.083		1918802	1282192
4.11		361062	231928
4.131		55207	27414
4.149		249274	167955
4.187		1499839	1084470
4.225		88825	61702
4.242		200305	134280
4.29		17739	10934
4.313		11130	8725
4.332		572001	536936
4.379		55758	33155
4.402		404326	299489
4.45		314170	182846
4.467		322096	159836
4.48		889183	516565
4.508		565367	602846
4.563		3211600	2546512
4.607		151650	128364
4.636		345410	244034
4.661		660132	485582
4.683		29826	13703
4.705		3661281	2840114
4.779		1405	673
4.815		3214766	2943922
4.873		353924	331843
4.911		739950	680165
4.949		3744924	3179072
4.983		1566499	1122257
5.023		1157512	930550
5.088		8340	7871
5.127		410808	441745
5.18		2239879	1770220
5.204		326312	223498
5.254		1149834	1028916
5.29		559260	431761
5.316		368507	313834
5.35		158572	94042
5.371		5385654	4303624
5.412		107355	81855
5.448		206273	177445
5.485		4063	2932
5.563		51492	33493
5.586		984593	806762
5.631		3642031	3732207
5.744		5950	9378
5.788		74122	63825
5.828		98556	81025
5.855		61856	48347
5.904		572044	488130
6.006		1287204	1100673
6.038		75292	55875
6.176		1986	2972
6.207		346625	300496
6.253		13796	28118
6.331		5516	8433
6.369	DCB	3200950	2852644
6.491		9423	22437

RT B	Compound B	Height B	Area B
6.568		12270	30401
6.648		8218	13627
6.693		3087	3123
6.721		8468	10770
6.826		8286	12996
6.895		6041	7104
6.944		9072	22696

LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082

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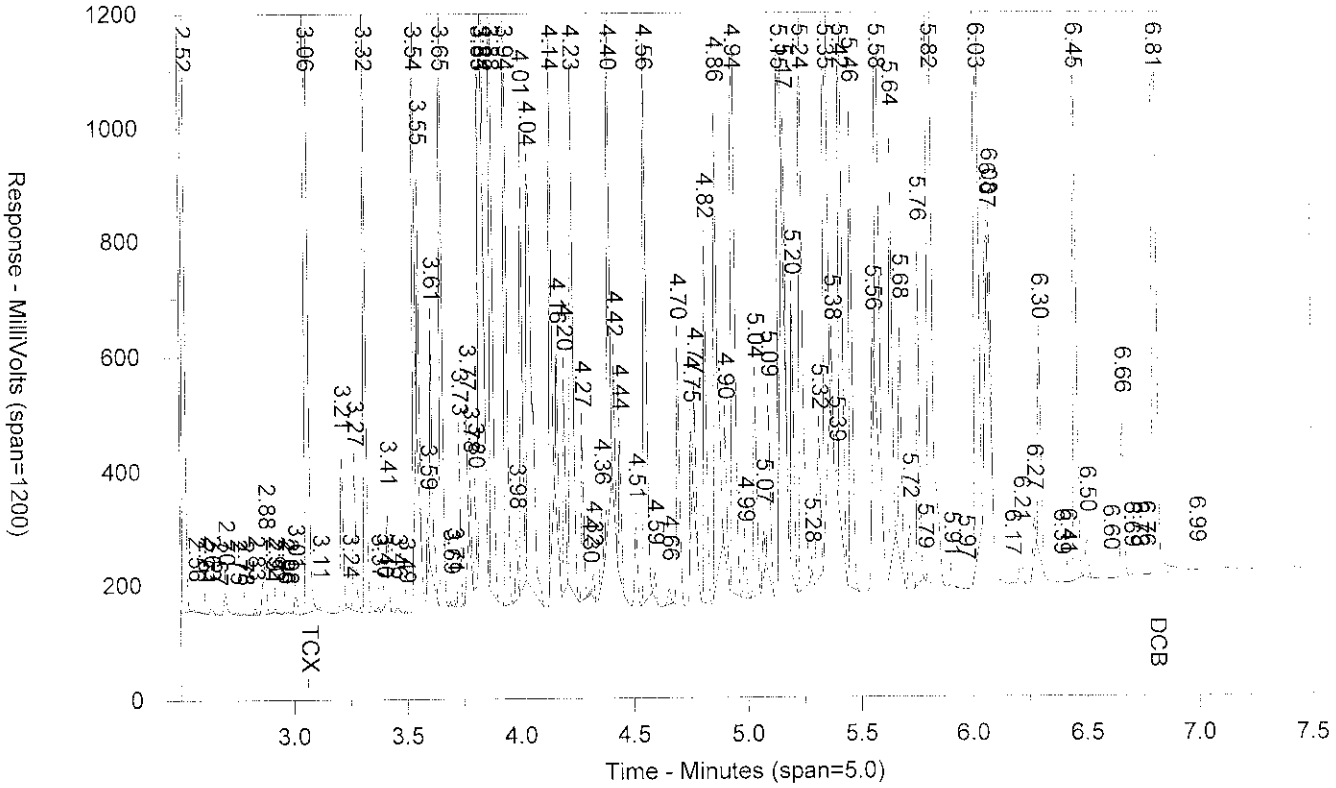

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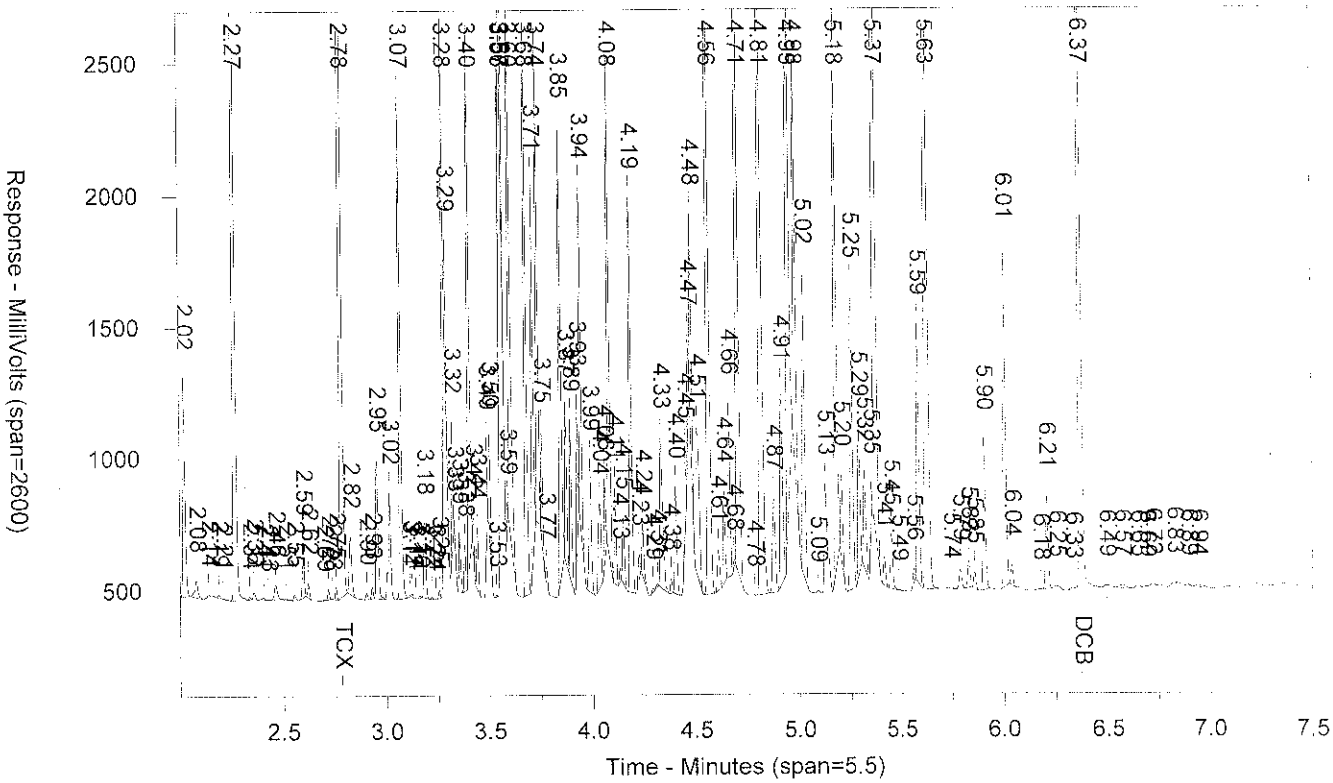

LANCASTER LABORATORIES

Sample Number: LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082
Injected On: 11/14/2017 3:25:30 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: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.06	4334424	31.444	TCX	2.781	7834638	32.138	TCX
6.807	2326228	27.707	DCB	6.369	3200950	27.868	DCB

Files:
Area File: 25pcbs17309003.045.RAW
Area File: 25pcbs17309003B.045.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1730901.CAL
Calibration File B: 25PCBS1730901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 11/14/2017 4:20:21 AM
File Reported On: 11/14/2017 at 4:21:03 AM

LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082

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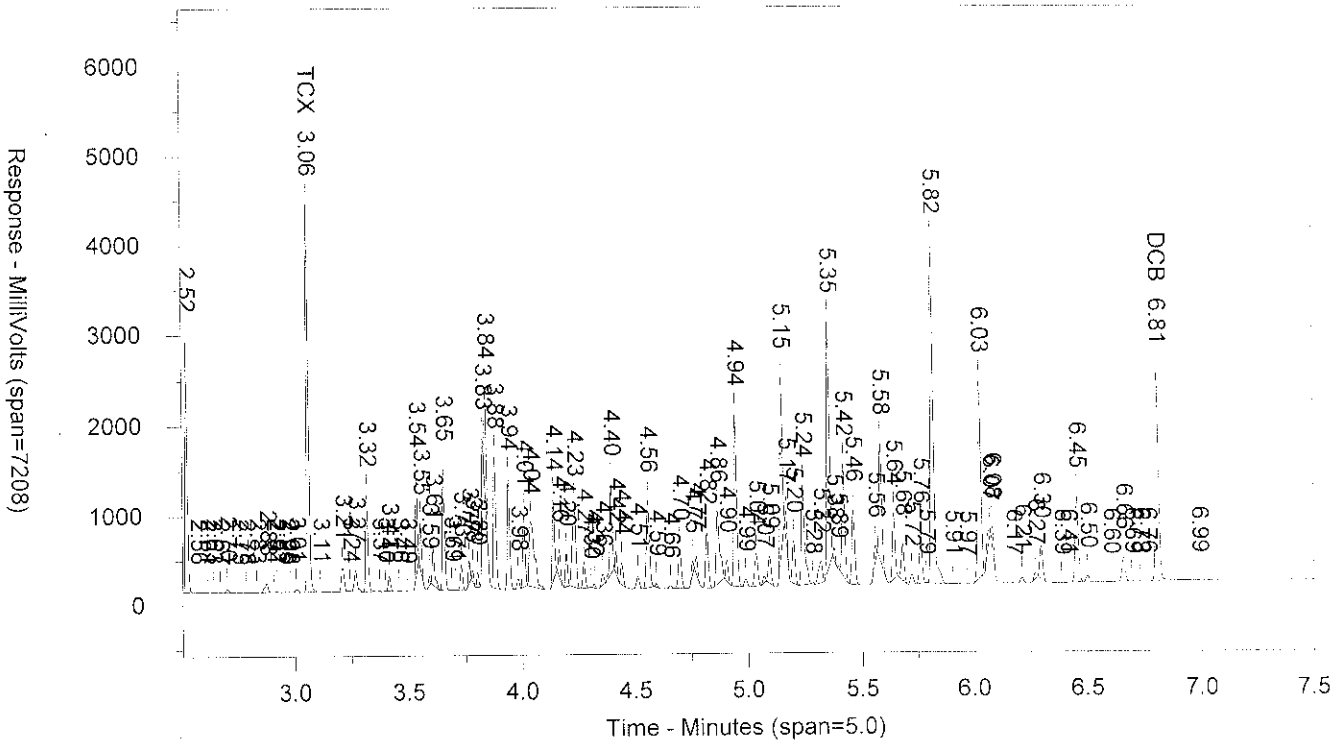

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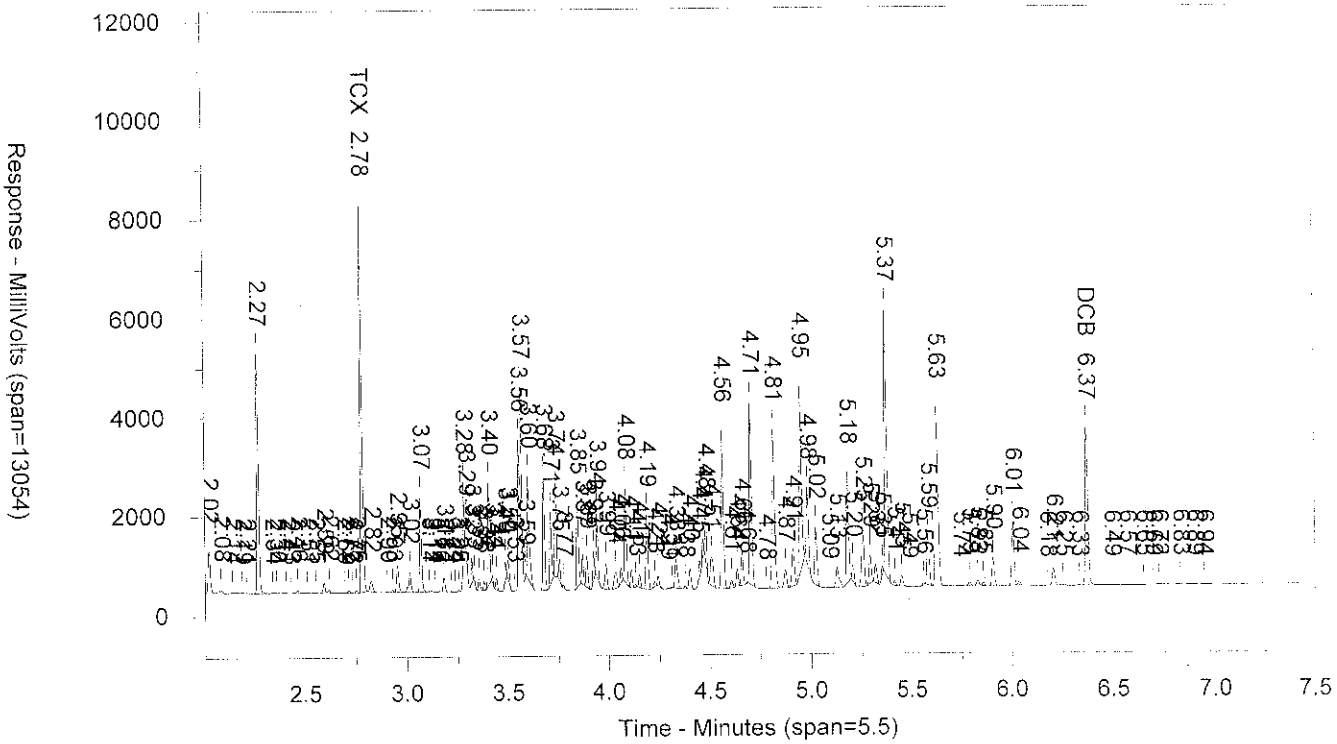

LCSA 11/10/17 ACF ABLCS25283 LCS 172830025A 10225 SW-846 8082

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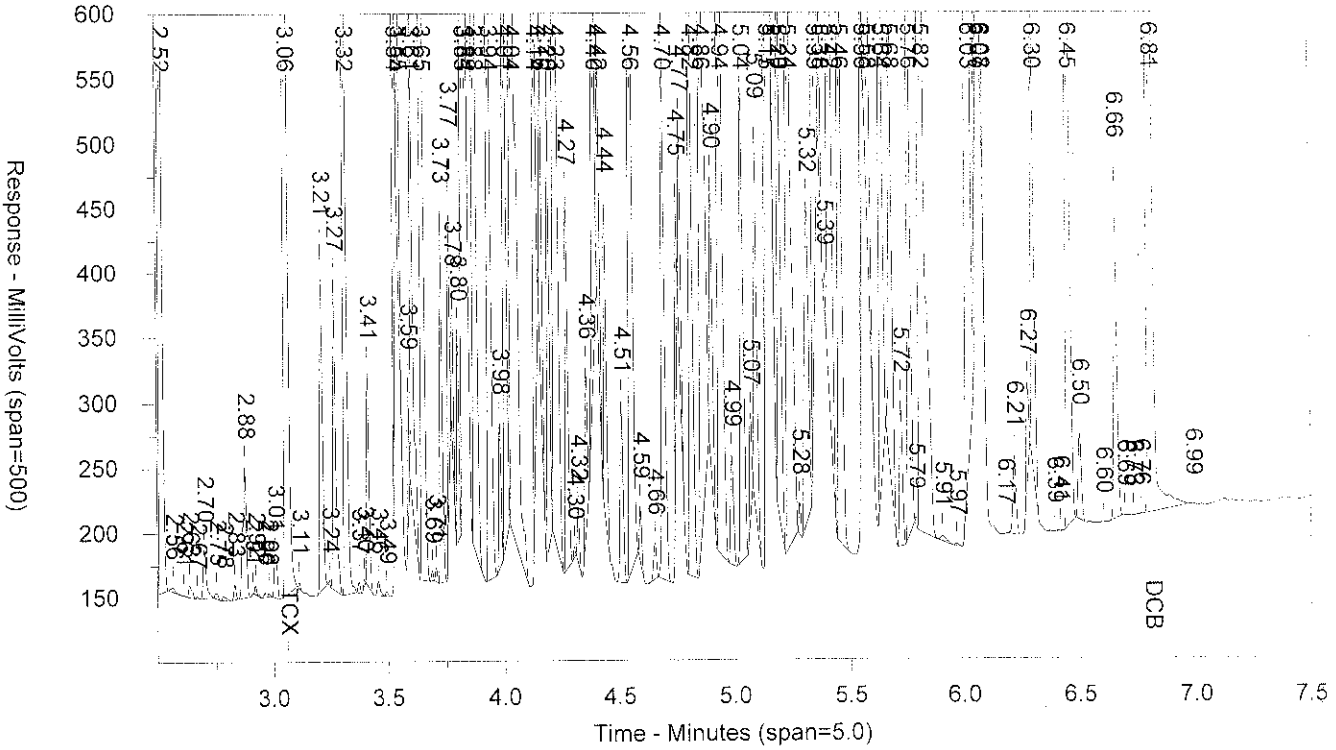

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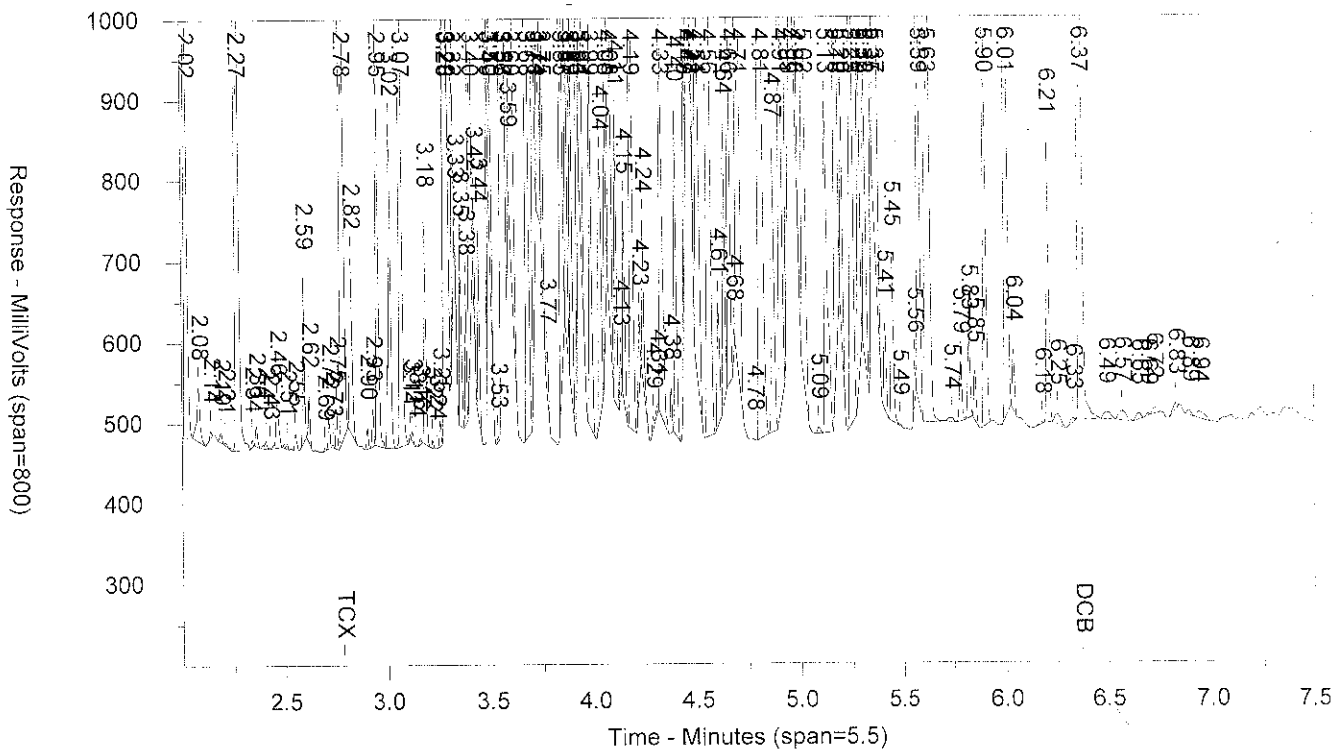

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Data Summary

Sample Name: BLANKA 10/15/17 ACF PBLK29285 BLK Sample ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:07:19
Instrument	19843A
Result file	07PCBS17292004.0070.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 116% (61 - 152) Conc: 35.57624
%SSR(DCB) 115% (48 - 164) Conc: 31.23583

Analysis Report (B)

Injected on	Oct 25, 2017 10:07:19
Instrument	19843B
Result file	07PCBS17292004B.0070.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 116% (61 - 152) Conc: 35.46473
%SSR(DCB) 115% (48 - 164) Conc: 31.23997

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	22589340	35.57624	Tetrachloro-m-xylene	2.72	2.75	2.78	10765260	35.46473
Decachlorobiphenyl	6.72	6.75	6.78	7972189	31.23583	Decachlorobiphenyl	6.29	6.31	6.35	7208242	31.23997

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	35.57624				0.31	
Tetrachloro-m-xylene-D1	A	35.57624					
Tetrachloro-m-xylene-D2	B	35.46473					
Decachlorobiphenyl	B	31.23997				0.01	
Decachlorobiphenyl-D1	A	31.23583					
Decachlorobiphenyl-D2	B	31.23997					

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

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:08

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/15/17 ACF PBLK29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 116% (61-152) Conc.: 35.57624 BOCS
%SSR(DCB) : 115% (48-164) Conc.: 31.23583

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	84.83	
3.27	3.29	3.31	35756.84	3.570341			1
3.48	3.50	3.52	15167.51	1.457338			2
+ 3.48	3.52	3.52	2683.986	0.257885			2
+ 3.60	3.61	3.64	14983.16	1.248467			3
3.60	3.63	3.64	15856.46	1.321235			3
+ 3.82	3.84	3.86	2714.318	0.194193			4
3.82	3.86	3.86	5346.05	0.382477			4
3.88	3.90	3.92	4134.668	0.353749			5
4.08	4.09	4.12	10531.85	1.213478			6
Height Summation:			86793.378				
Amount Avg CF:			1.383103	Linear:			
Aroclor-1221					3	146.61	
3.16	3.16	3.20	23474.29	4.577843			1
+ 3.16	3.18	3.20	14413.01	2.810756			1
+ 3.16	3.20	3.20	7747.985	1.510975			1
3.22	3.23	3.26	263464.6	59.596257			2
3.27	3.29	3.31	35756.84	2.244807			3
Height Summation:			322695.73				
Amount Avg CF:			22.139636	Linear:			
Aroclor-1232					6	56.73	
3.26	3.29	3.30	35756.84	2.930857			1
3.48	3.50	3.52	15167.51	3.140414			2
+ 3.48	3.52	3.52	2683.986	0.555716			2
+ 3.60	3.61	3.64	14983.16	2.664374			3
3.60	3.63	3.64	15856.46	2.819668			3
3.82	3.84	3.86	2714.318	0.394531			4
3.88	3.90	3.92	4134.668	0.797637			5
4.08	4.09	4.12	10531.85	2.965236			6
Height Summation:			84161.646				
Amount Avg CF:			2.174724	Linear:			
Aroclor-1242					6	82.02	
3.27	3.29	3.31	35756.84	4.1674			1
3.48	3.50	3.52	15167.51	1.756299			2
+ 3.48	3.52	3.52	2683.986	0.310788			2
+ 3.60	3.61	3.64	14983.16	1.498673			3
3.60	3.63	3.64	15856.46	1.586024			3
+ 3.82	3.84	3.86	2714.318	0.225315			4
3.82	3.86	3.86	5346.05	0.443775			4
3.88	3.90	3.92	4134.668	0.457903			5
4.08	4.09	4.12	10531.85	1.534273			6
Height Summation:			86793.378				
Amount Avg CF:			1.657612	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 116% (61-152) Conc.: 35.46473
%SSR(DCB) : 115% (48-164) Conc.: 31.23997

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	93.88	
+ 3.02	3.03	3.06	11539.07	2.153883			1
3.02	3.05	3.06	16443.48	3.06934			1
+ 3.35	3.36	3.39	7074.19	1.08945			2
3.35	3.38	3.39	29492.96	4.542021			2
3.54	3.55	3.58	5637.562	0.870518			3
+ 3.54	3.57	3.58	4304.56	0.664684			3
3.62	3.64	3.66	8997.752	1.335873			4
3.68	3.69	3.72	2577.218	0.507051			5
3.79	3.79	3.83	2009.727	0.355801			6
Height Summation:			65158.699				
Amount Avg CF:			1.780101	Linear:			
Aroclor-1221					3	157.04	
2.90	2.91	2.94	8856.356	2.817236			1
2.96	2.97	3.00	133599.8	73.527825			2
+ 3.02	3.03	3.06	11539.07	1.448273			3
3.02	3.05	3.06	16443.48	2.063827			3
Height Summation:			158899.636				
Amount Avg CF:			26.136296	Linear:			
Aroclor-1232					6	101.14	
+ 3.02	3.03	3.06	11539.07	1.831154			1
3.02	3.05	3.06	16443.48	2.609442			1
+ 3.35	3.36	3.39	7074.19	2.342316			2
3.35	3.38	3.39	29492.96	9.765333			2
3.54	3.55	3.58	5637.562	1.826472			3
+ 3.54	3.57	3.58	4304.56	1.394603			3
3.62	3.64	3.66	8997.752	3.062657			4
3.68	3.69	3.72	2577.218	1.372374			5
3.79	3.79	3.83	2009.727	0.875519			6
Height Summation:			65158.699				
Amount Avg CF:			3.251966	Linear:			
Aroclor-1242					6	92.77	
+ 3.02	3.03	3.06	11539.07	2.503711			1
3.02	3.05	3.06	16443.48	3.567854			1
+ 3.35	3.36	3.39	7074.19	1.288513			2
3.35	3.38	3.39	29492.96	5.371933			2
3.54	3.55	3.58	5637.562	0.988856			3
+ 3.54	3.57	3.58	4304.56	0.755041			3
3.62	3.64	3.66	8997.752	1.64759			4
3.68	3.69	3.72	2577.218	0.65349			5
3.79	3.79	3.83	2009.727	0.433316			6
Height Summation:			65158.699				
Amount Avg CF:			2.110506	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/15/17 ACF PBLK29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	35.69	
+ 3.82	3.84	3.86	2714.318	0.353957			1
3.82	3.86	3.86	5346.05	0.697144			1
3.88	3.90	3.92	4134.668	0.645163			2
3.95	3.96	3.99	6096.317	0.558048			3
+ 3.95	3.98	3.99	5759.295	0.527197			3
4.08	4.09	4.12	10531.85	0.861493			4
4.17	4.19	4.21	4574.199	0.448755			5
4.36	4.39	4.40	2600.364	0.265531			6
Height Summation:			33283.448				
Amount Avg CF:			0.579356	Linear:			
Aroclor-1254					6	36.96	
4.69	4.71	4.73	6016.168	0.503136			1
4.76	4.78	4.80	4379.459	0.184745			2
4.88	4.92	4.92	1940.382	0.268817			3
+ 4.97	4.97	5.01	1621.63	0.104855			4
4.97	4.99	5.01	4009.603	0.259261			4
5.17	5.19	5.21	5630.298	0.465611			5
5.29	5.31	5.33	5366.493	0.3477			6
Height Summation:			27342.403				
Amount Avg CF:			0.338212	Linear:			
Aroclor-1260					5	31.45	
4.88	4.92	4.92	1940.382	0.109228			1
5.29	5.31	5.33	5366.493	0.229885			2
5.36	5.38	5.40	3380.915	0.286148			3
5.52	5.54	5.56	2793.748	0.228538			4
5.96	5.98	6.00	3358.721	0.187882			6
Height Summation:			16840.259				
Amount Avg CF:			0.208336	Linear:			
Aroclor-1262					3	8.09	
5.35	5.38	5.39	3380.915	0.176993			1
5.52	5.54	5.56	2793.748	0.170005			2
5.96	5.98	6.00	3358.721	0.151025			4
Height Summation:			9533.384				
Amount Avg CF:			0.166008	Linear:			
Aroclor-1268					4	136.02	
5.96	5.98	5.99	3358.721	0.081092			1
6.15	6.17	6.19	91928.96	2.81179			3
6.21	6.23	6.25	89250.79	10.204593			4
6.58	6.60	6.62	62752.98	0.627454			6
Height Summation:			247291.451				
Amount Avg CF:			3.431232	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	85.88	
3.54	3.55	3.58	5637.562	1.777794			1
+ 3.54	3.57	3.58	4304.56	1.357434			1
3.62	3.64	3.66	8997.752	2.339265			2
3.68	3.69	3.72	2577.218	0.455565			3
3.79	3.79	3.83	2009.727	0.256131			4
3.88	3.90	3.92	3294.312	0.694315			5
4.02	4.04	4.06	4402.912	0.445512			6
Height Summation:			26919.483				
Amount Avg CF:			0.994764	Linear:			
Aroclor-1254					4	4.34	
4.40	4.41	4.44	5992.614	0.415013			2
4.50	4.52	4.54	2799.375	0.400809			3
4.57	4.59	4.61	3404.157	0.380528			4
4.88	4.90	4.92	4044.678	0.379569			6
Height Summation:			16240.824				
Amount Avg CF:			0.39398	Linear:			
Aroclor-1260					3	32.11	
4.75	4.77	4.78	3365.399	0.287169			2
4.88	4.90	4.92	4044.678	0.302804			3
5.30	5.32	5.34	3210.729	0.157145			5
Height Summation:			10620.806				
Amount Avg CF:			0.24904	Linear:			
Aroclor-1262					2	106.40	
5.30	5.32	5.34	3210.729	0.129568			3
5.52	5.52	5.56	8729.166	0.916863			4
Height Summation:			11939.895				
Amount Avg CF:			0.523215	Linear:			
Aroclor-1268					4	139.02	
5.52	5.52	5.56	8729.166	0.294084			1
5.72	5.73	5.76	82790.32	3.201086			3
5.79	5.80	5.82	89153.25	13.184508			4
6.14	6.16	6.18	58573.46	0.684572			6
Height Summation:			239246.196				
Amount Avg CF:			4.341063	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		25.10	4	40	
Aroclor-1221			51	15.3		16.56	3	40	
Aroclor-1232			51	12.3		39.70	4	40	
Aroclor-1242			51	12.3		24.04	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/15/17 ACF PBLK29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 10:07:19
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1248			51	9.9		** 52.78	4	40	
Aroclor-1254			51	13.2		15.23	4	40	
Aroclor-1260.			51	11.7		17.80	4	40	
Aroclor-1262			51	9.9		** 103.66	4	40	
Aroclor-1268			51	9.9		23.41	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/15/17 ACFABPBLK29285 BLK 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:07:19 AM 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: 07pcbs17292004.0070.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.501		123105	27756
1.512		1292591	1130447
1.556		925785	805533
1.582		221477	128929
1.61		425005	500307
1.657		994183	852547
1.678		2724973	3084595
1.723		847769	1452600
1.759		421618	427608
1.79		651833	640570
1.818		807788	965296
1.842		484679	508415
1.878		1049000	947807
1.892		539664	466535
1.926		269426	274060
1.962		673289	611542
1.998		222903	212123
2.019		170817	139456
2.051		224401	240045
2.065		152375	91869
2.082		103070	68202
2.099		285794	278233
2.129		208845	215436
2.143		137522	103259
2.159		140839	96954
2.177		520117	474948
2.198		389574	321097
2.224		1180578	929984
2.255		220813	304753
2.288		259178	311407
2.312		280419	278935
2.335		319225	284121
2.387		129336	145111
2.405		62655	48675
2.427		54683	45137
2.461		91671	111300
2.487		198136	187132
2.513		44290	35725
2.534		173454	246427
2.575		244245	212829
2.601		111578	103588
2.632		48324	26492
2.659		102544	71184
2.695		71115	82470
2.715		142626	121494
2.747		88406	51700
2.766		50592	29615
2.801		41185	25899
2.816		52235	26859
2.832		5299	1499
2.845		106086	63480
2.872		30382	18110
2.895		90563	79420

RT A	Compound A	Height A	Area A
2.926		11144	8123
2.956		31099	19334
2.97		21467	22776
3.028	TCX	22589340	14411810
3.094		13775	5981
3.116		8936	3210
3.138		31164	29342
3.162		23474	12404
3.181		14413	9306
3.201		7748	4649
3.229		263465	184286
3.263		19034	14049
3.287		35757	23984
3.313		27244	20705
3.341		15584	12894
3.362		47966	34489
3.387		10740	4373
3.408		16393	12707
3.443		7054	2246
3.459		9824	4841
3.478		8834	4495
3.496		15168	9447
3.518		2684	1130
3.534		6794	3075
3.577		3714	1120
3.59		6360	4219
3.61		14983	10827
3.634		15856	9267
3.663		6809	3269
3.697		56678	36004
3.768		44894	34306
3.8		6101	3090
3.814		8009	4321
3.839		2714	1578
3.861		5346	4160
3.898		4135	3112
3.926		1681	934
3.956		6096	4879
3.978		5759	3943
4.002		5522	2944
4.026		2504	987
4.053		2857	1559
4.089		10532	10726
4.125		5480	3579
4.139		2883	2054
4.188		4574	4091
4.219		3466	1713
4.242		5727	4124
4.283		2068	994
4.308		1888	981
4.327		2414	721
4.394		2600	2391
4.433		3239	2299
4.471		3457	2667
4.517		6687	5459
4.594		2434	1020
4.65		2613	1939
4.714		6016	4916
4.748		2439	1286
4.776		4379	3778
4.921		1940	843
4.975		1622	614
4.993		4010	2813
5.028		17410	15587
5.058		5817	4694
5.105		2815	782

RT A	Compound A	Height A	Area A
5.192		5630	6604
5.237		1755	509
5.27		34701	31991
5.311		5366	4039
5.344		1355	360
5.382		3381	2081
5.459		1691	541
5.517		2438	1500
5.543		2794	2378
5.586		4821	5558
5.63		1848	627
5.653		1435	328
5.675		28906	28164
5.798		60464	57211
5.883		1838	1680
5.915		1888	492
5.976		3359	2844
6.168		91929	93226
6.204		3305	2245
6.232		89251	89876
6.318		6969	13954
6.604		62753	62373
6.702		1428	930
6.75	DCB	7972189	8081814
6.864		3659	3900
7.033		5152	10111
7.175		4469	10170
7.218		4327	11399
7.294		1310	883
7.384		17076	47660
7.451		24056	52182
7.682		1284	567
7.719		956	2011
7.819		1134	494
7.911		1132	606
7.969		1516	911
8.078		1753	1023
8.222		9166	21706
8.302		928	356
8.402		1775	916
8.661		1155	480

LANCASTER LABORATORIES

Sample Number: BLANKA 10/15/17 ACFABPBLK29285 BLK 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:07:19 AM 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, 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: 07pcbs17292004B.0070.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.53		140920	160660
1.56		79330	34676
1.573		184063	228875
1.6		85056	79963
1.638		143843	217557
1.664		119639	74940
1.679		166486	128008
1.697		415722	419798
1.717		203721	241058
1.772		144023	206268
1.799		49327	51473
1.875		159450	289706
1.916		119101	178789
1.964		76972	81765
1.99		577804	659898
2.029		86903	108816
2.071		34264	21498
2.094		73605	70976
2.127		55131	44728
2.152		110251	90114
2.18		16772	11200
2.203		16195	8701
2.227		73578	89898
2.263		44842	28431
2.283		21379	13706
2.307		71929	44765
2.326		90566	67288
2.36		50897	36355
2.381		5901	2485
2.394		12171	6248
2.437		60199	48749
2.475		32678	39425
2.496		62225	44447
2.524		39884	24366
2.561		89799	105272
2.615		29623	18530
2.637		16124	9171
2.665		47261	58859
2.697		18588	10819
2.722		11447	6694
2.746	TCX	10765260	7502156
2.806		16969	12611
2.84		12747	8147
2.865		6168	4292
2.887		16793	16626
2.913		8856	7149
2.947		3947	1900
2.967		133600	100810
3.006		12727	8835
3.032		11539	7384
3.052		16443	10883
3.085		26364	26149
3.115		10190	5417
3.133		5344	3103

3.171		9829	13539
3.199		4034	1961
3.217		7928	5558
3.25		9430	8766
3.291		12420	12436
3.313		4645	2280
3.33		11589	8033
3.357		7074	4537
3.383		29493	19361
3.409		7788	7564
3.46		23857	23252
3.505		9711	13632
3.555		5638	3771
3.575		4305	4242
3.635		8998	8313
3.693		2577	1796
3.719		5597	5152
3.787		2010	1052
3.847		2685	1558
3.899		3294	3697
3.929		3543	2257
3.985		2995	2409
4.036		4403	2493
4.139		3362	4200
4.245		7271	8590
4.415		5993	8913
4.516		2799	3216
4.586		3404	1965
4.629		10654	8209
4.774		3365	2977
4.812		2404	2023
4.867		21970	19349
4.897		4045	3687
5.154		2271	1396
5.233		1774	1355
5.269		17821	16810
5.318		3211	2805
5.357		2902	4245
5.393		45913	40875
5.525		8729	27154
5.735		82790	76616
5.802		89153	84235
5.851		20465	21291
6.156		58573	54982
6.315	DCB	7208243	7090267
6.6		19320	77466
6.794		5616	10211
6.862		8973	24183
6.953		4691	12006
7.144		3650	10631
8.315		1390	1601

BLANKA 10/15/17 ACFABPBLK29285 BLK 172850029A 10225 SW-846 8(

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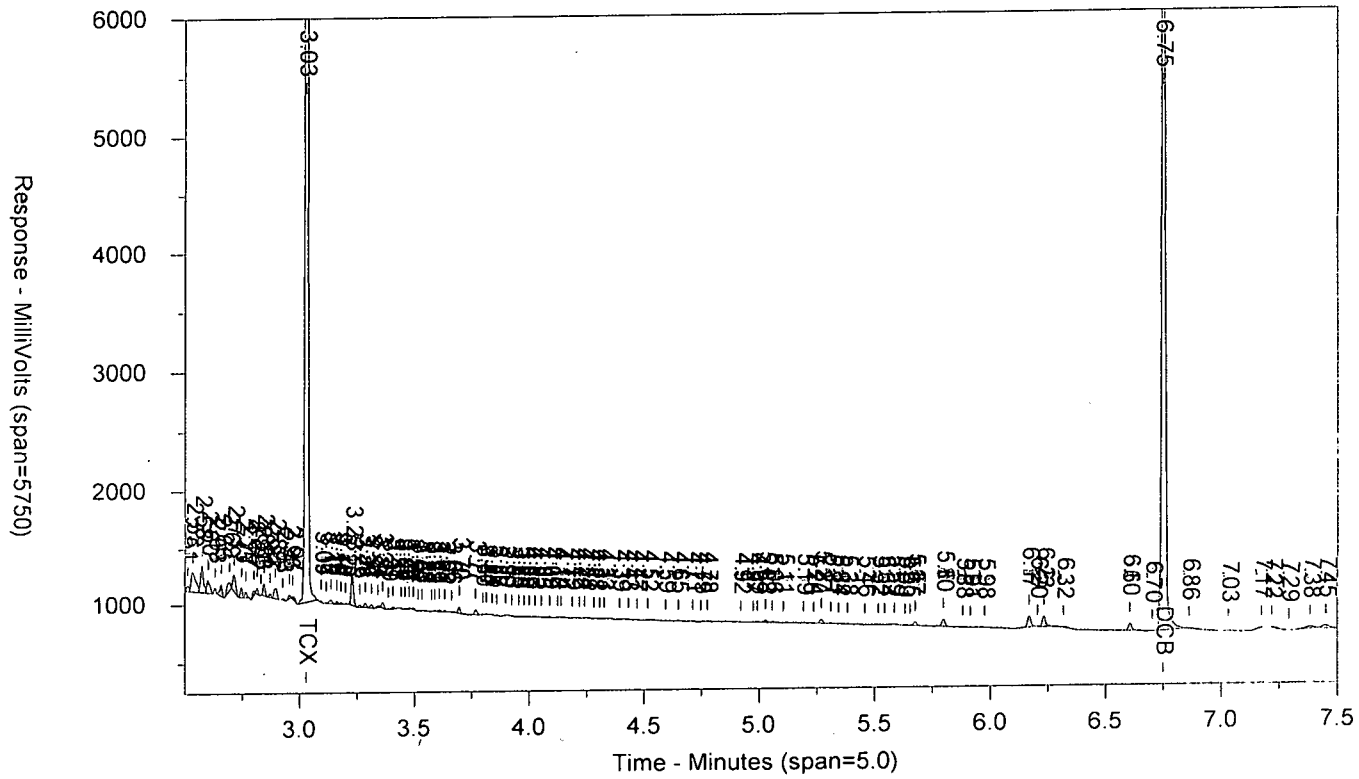

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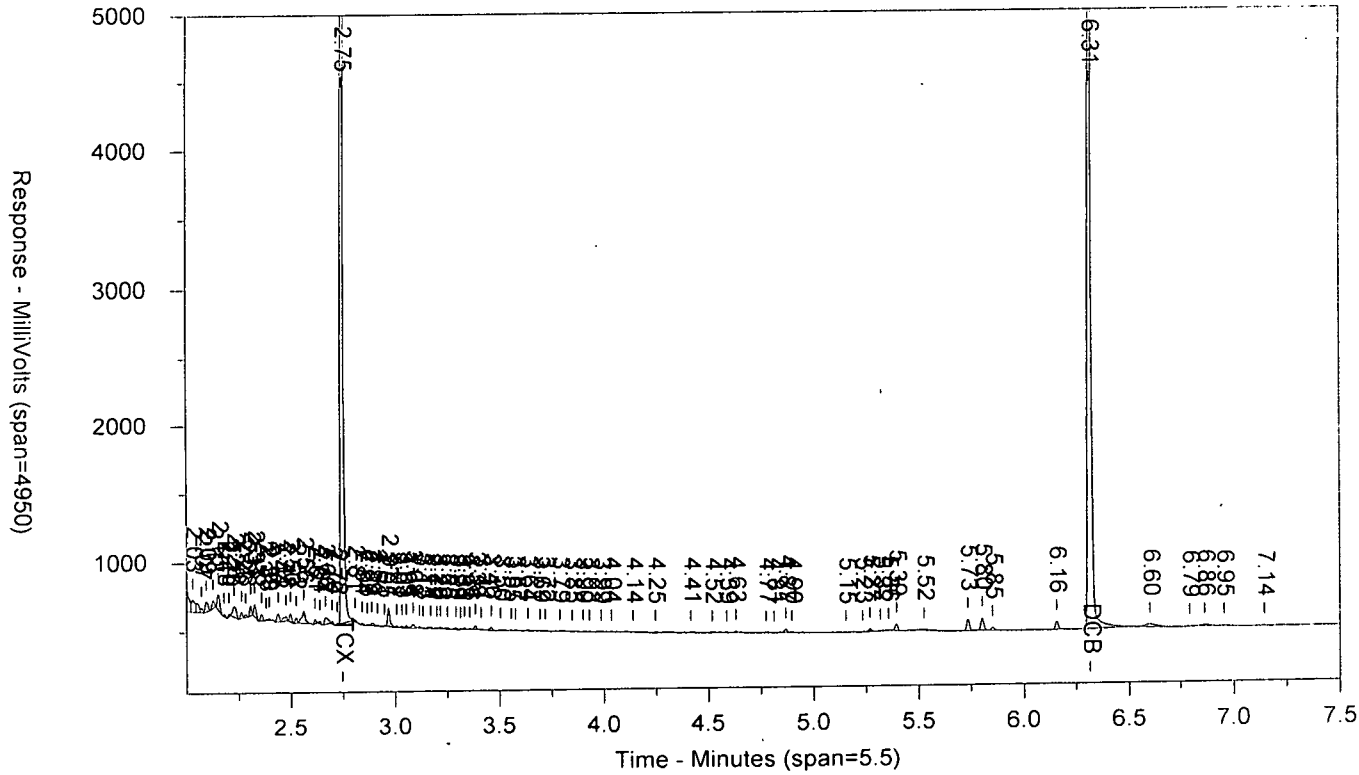

LANCASTER LABORATORIES

Sample Number: BLANKA 10/15/17 ACFABPBLK29285 BLK 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:07:19 AM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.028	22589340	35.576	TCX	2.746	10765260	35.465	TCX
6.75	7972189	31.236	DCB	6.315	7208243	31.24	DCB

Files:
Area File: 07pcbs17292004.0070.RAW
Area File: 07pcbs17292004B.0070.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 10:16:01 AM
File Reported On: 10/25/2017 at 10:16:36 AM

BLANKA 10/15/17 ACFABPBLK29285 BLK 172850029A 10225 SW-846 8(

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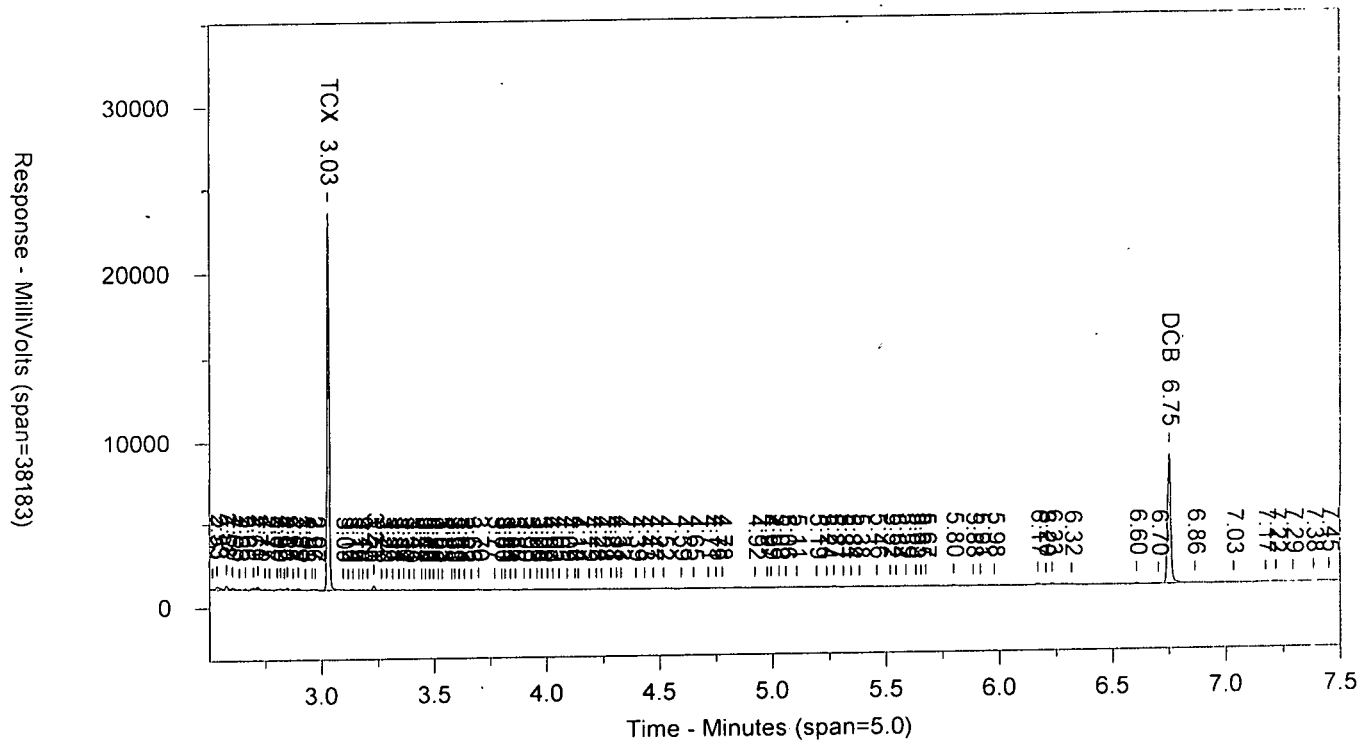

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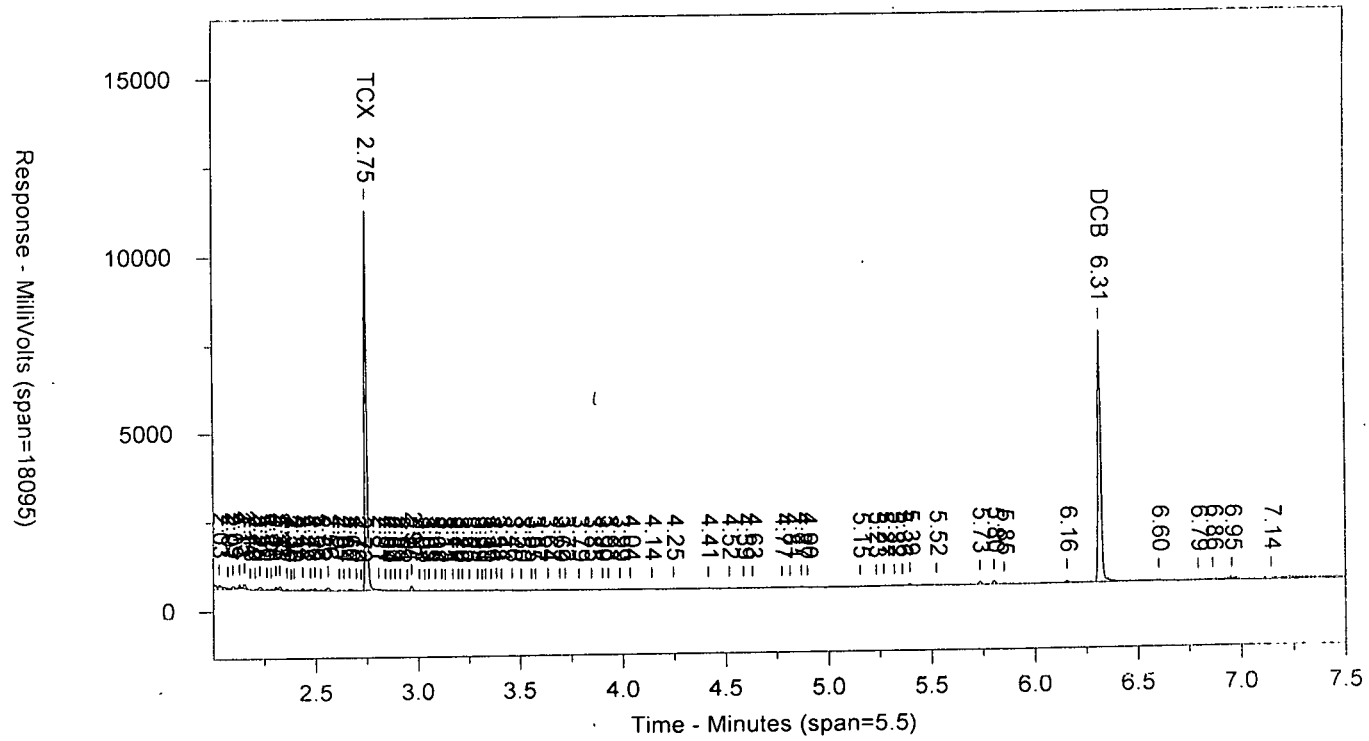

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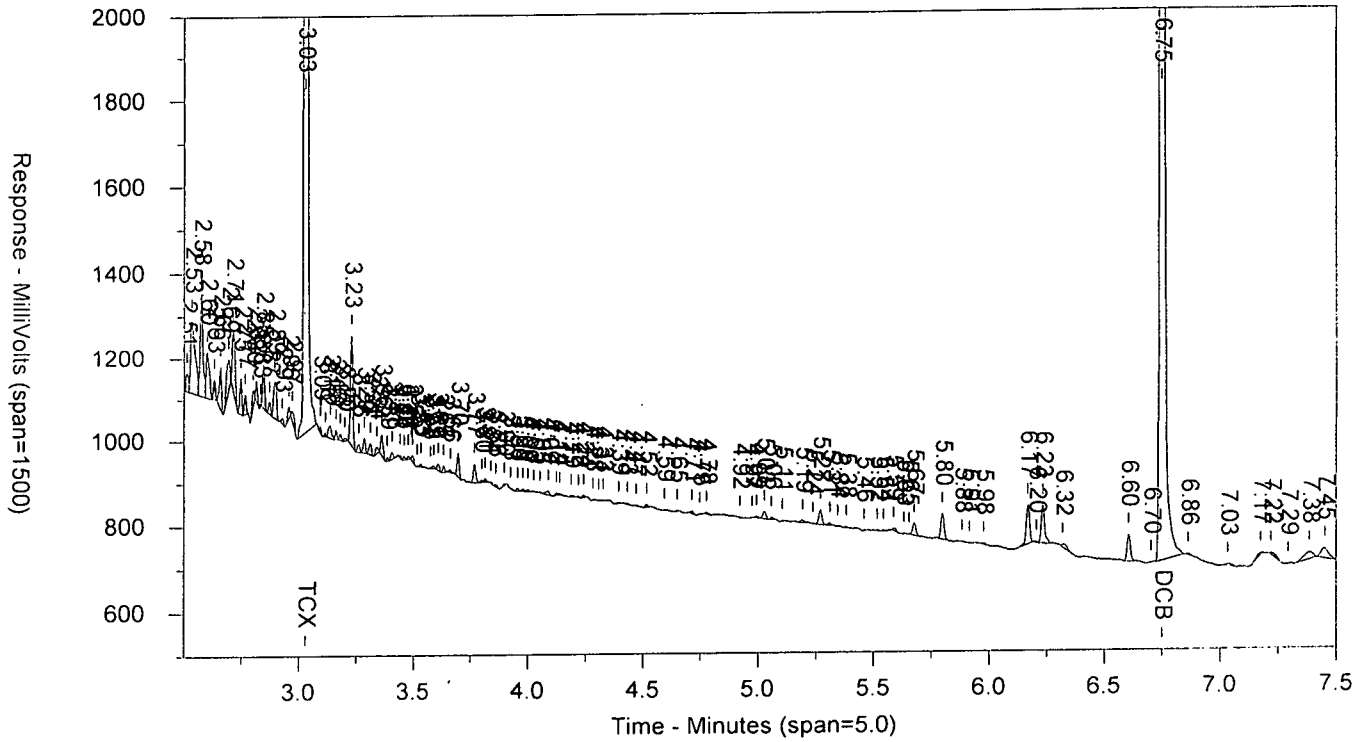

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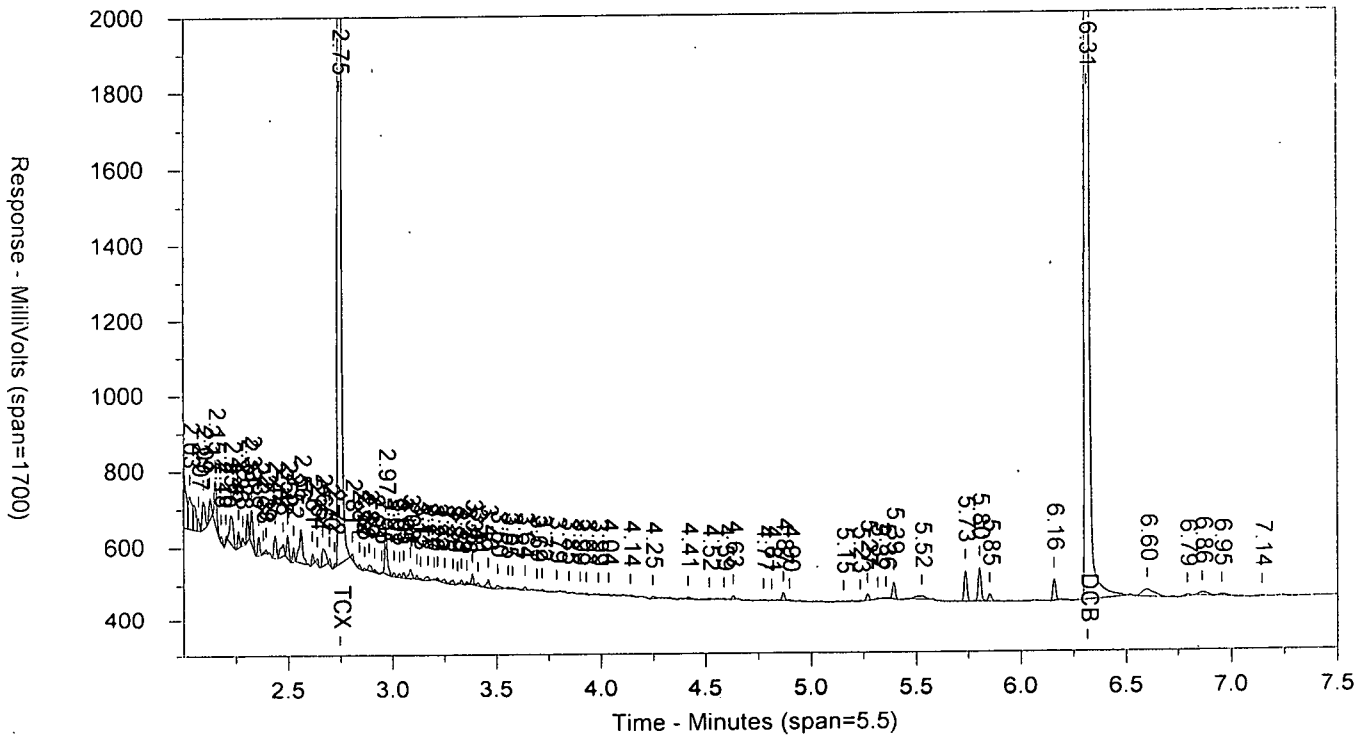

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Data Summary

Sample Name: 9229533 MS ACF DF20 03A05 MS Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.37 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:41:44
Instrument	19843A
Result file	07PCBS17292004.0073.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 67% (61 - 152) Conc: 19.84737
%SSR(DCB) 108% (48 - 164) Conc: 28.14371

Analysis Report (B)

Injected on	Oct 25, 2017 10:41:44
Instrument	19843B
Result file	07PCBS17292004B.0073.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 81% (61 - 152) Conc: 23.97927
%SSR(DCB) 92% (48 - 164) Conc: 24.00204

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	653424	19.84737
Decachlorobiphenyl	6.72	6.75	6.78	372439	28.14371

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	377409	23.97927
Decachlorobiphenyl	6.29	6.32	6.35	287154	24.00204

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	23.97927				18.86	
☐ Tetrachloro-m-xylene-D1	A	19.84737					
☐ Tetrachloro-m-xylene-D2	B	23.97927					
☐ Decachlorobiphenyl	A	28.14371				15.88	
☐ Decachlorobiphenyl-D1	A	28.14371					
☐ Decachlorobiphenyl-D2	B	24.00204					

Multiple Component Data

Aroclor-1016 %RSD 24.98

Min	RT	Max	Height	Amount	Pks	Peak
3.27	3.29	3.31	201462.6	387.968296		1
3.48	3.50	3.52	215902.2	400.086819		2
3.60	3.62	3.64	215957.9	347.051599		3
3.82	3.84	3.86	271359.1	374.427394		4
3.88	3.90	3.92	250473.1	413.300982		5
4.08	4.10	4.12	287985.1	639.95347		6

Height summation: **1443140**
Concentration CF: **427.131427** L:

Aroclor-1016 %RSD 30.67

Min	RT	Max	Height	Amount	Pks	Peak
3.02	3.03	3.06	86650.7	311.942551		1
3.35	3.37	3.39	154698.2	459.480682		2
3.54	3.56	3.58	157113	467.896388		3
3.62	3.63	3.66	160199.4	458.715373		4
3.68	3.69	3.72	187270.8	710.594838		5
3.79	3.80	3.83	209157.1	714.156753		6

Height summation: **955089.2**
Concentration CF: **520.464431** L:

Aroclor-1260 %RSD 11.70

Min	RT	Max	Height	Amount	Pks	Peak
4.88	4.90	4.92	1794677	1948.422664		1
5.29	5.31	5.33	3030521	2503.733016		2
5.36	5.37	5.40	1193724	1948.553333		3
5.52	5.54	5.56	1251154	1973.932755		4
5.76	5.77	5.80	3653525	2422.959234		5
5.96	5.98	6.00	2123565	2291.015707		6

Height summation: **13047166**
Concentration CF: **2181.436118** L:

Aroclor-1260 %RSD 10.08

Min	RT	Max	Height	Amount	Pks	Peak
4.64	4.65	4.68	1550238	2217.983		1
4.75	4.76	4.78	1177527	1937.863926		2
4.88	4.89	4.92	1689165	2438.942736		3
5.11	5.12	5.15	842540.8	1854.106811		4
5.30	5.32	5.34	2149340	2028.865152		5
5.56	5.58	5.60	1468983	2059.514055		6

Height summation: **8877793.8**
Concentration CF: **2089.545947** L:

Valerie L. Tomaylo
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:14

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Data Summary

Sample Name: 9229533 MS ACF DF20 03A05 MS Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.37 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:41:44
Instrument	19843A
Result file	07PCBS17292004.0073.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 25, 2017 10:41:44
Instrument	19843B
Result file	07PCBS17292004B.0073.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	427.131427	<983.6066	190.9354		19.70	4	
PCB-1221			<983.6066	<295.082			3	
PCB-1232			<983.6066	<237.2228			4	
PCB-1242			<983.6066	<237.2228			4	
PCB-1248			<983.6066	<190.9354			4	
PCB-1254			<983.6066	<254.5805			4	
PCB-1260	A	2181.436118	983.6066	225.6509		4.30	4	
PCB-1262			<983.6066	<190.9354			4	
PCB-1268			<983.6066	<190.9354			4	
Total PCBs	A	2608.567545	983.6066	190.9354				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229533** MS ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.37 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 67% (61-152) Conc.: 19.84737
%SSR(DCB) : 108% (48-164) Conc.: 28.14371

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	24.98	
3.27	3.29	3.31	201462.6	387.968296			1
3.48	3.50	3.52	215902.2	400.086819			2
+ 3.48	3.52	3.52	111713.2	207.01493			2
3.60	3.62	3.64	215957.9	347.051599			3
3.82	3.84	3.86	271359.1	374.427394			4
3.88	3.90	3.92	250473.1	413.300982			5
4.08	4.10	4.12	287985.1	639.95347			6
Height Summation:			1443140				
Amount Avg CF:			427.131427	Linear:			
Aroclor-1221					3	25.35	
3.16	3.18	3.20	39273.8	147.71431			1
+ 3.16	3.20	3.20	13965.22	52.525165			1
3.22	3.24	3.26	42106.29	183.693984			2
3.27	3.29	3.31	201462.6	243.930137			3
Height Summation:			282842.69				
Amount Avg CF:			191.779477	Linear:			
Aroclor-1232					6	46.87	
3.26	3.29	3.30	201462.6	318.479314			1
+ 3.48	3.48	3.52	17071.61	68.170788			2
3.48	3.50	3.52	215902.2	862.146162			2
+ 3.48	3.52	3.52	111713.2	446.095994			2
3.60	3.62	3.64	215957.9	740.648477			3
3.82	3.84	3.86	271359.1	760.703978			4
3.88	3.90	3.92	250473.1	931.915938			5
+ 4.08	4.08	4.12	3833.089	20.813961			6
4.08	4.10	4.12	287985.1	1563.780709			6
Height Summation:			1443140				
Amount Avg CF:			862.945763	Linear:			
Aroclor-1242					6	28.14	
3.27	3.29	3.31	201462.6	452.847298			1
3.48	3.50	3.52	215902.2	482.161343			2
+ 3.48	3.52	3.52	111713.2	249.482342			2
3.60	3.62	3.64	215957.9	416.60429			3
3.82	3.84	3.86	271359.1	434.435721			4
3.88	3.90	3.92	250473.1	534.989503			5
4.08	4.10	4.12	287985.1	809.131517			6
Height Summation:			1443140				
Amount Avg CF:			521.694945	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 81% (61-152) Conc.: 23.97927
%SSR(DCB) : 92% (48-164) Conc.: 24.00204

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	30.67	
3.02	3.03	3.06	86650.7	311.942551			1
+ 3.02	3.05	3.06	31812.27	114.524183			1
3.35	3.37	3.39	154698.2	459.480682			2
3.54	3.56	3.58	157113	467.896388			3
3.62	3.63	3.66	160199.4	458.715373			4
3.68	3.69	3.72	187270.8	710.594838			5
+ 3.68	3.71	3.72	72097.35	273.571773			5
3.79	3.80	3.83	209157.1	714.156753			6
Height Summation:			955089.2				
Amount Avg CF:			520.464431	Linear:			
Aroclor-1221					3	31.43	
2.90	2.92	2.94	22596.11	138.62867			1
2.96	2.98	3.00	25195.28	267.433826			2
3.02	3.03	3.06	86650.7	209.750405			3
+ 3.02	3.05	3.06	31812.27	77.006147			3
Height Summation:			134442.09				
Amount Avg CF:			205.270967	Linear:			
Aroclor-1232					6	51.86	
3.02	3.03	3.06	86650.7	265.202295			1
+ 3.02	3.05	3.06	31812.27	97.364326			1
3.35	3.37	3.39	154698.2	987.882253			2
3.54	3.56	3.58	157113	981.714227			3
3.62	3.63	3.66	160199.4	1051.662522			4
3.68	3.69	3.72	187270.8	1923.281167			5
+ 3.68	3.71	3.72	72097.35	740.443654			5
3.79	3.80	3.83	209157.1	1757.326652			6
Height Summation:			955089.2				
Amount Avg CF:			1161.178186	Linear:			
Aroclor-1242					6	34.11	
3.02	3.03	3.06	86650.7	362.607399			1
+ 3.02	3.05	3.06	31812.27	133.124885			1
3.35	3.37	3.39	154698.2	543.436423			2
3.54	3.56	3.58	157113	531.502142			3
3.62	3.63	3.66	160199.4	565.753588			4
3.68	3.69	3.72	187270.8	915.817265			5
+ 3.68	3.71	3.72	72097.35	352.580316			5
3.79	3.80	3.83	209157.1	869.744069			6
Height Summation:			955089.2				
Amount Avg CF:			631.476814	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary.

Sample Name: **9229533** MS ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.37 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	47.07	
3.82	3.84	3.86	271359.1	682.47282			1
3.88	3.90	3.92	250473.1	753.773623			2
3.95	3.97	3.99	353920.7	624.828972			3
+ 4.08	4.08	4.12	3833.089	6.047098			4
4.08	4.10	4.12	287985.1	454.326538			4
4.17	4.19	4.21	243171.2	460.105429			5
4.36	4.36	4.40	700112.7	1378.798657			6
+ 4.36	4.38	4.40	150216	295.834683			6
Height Summation:			**2107021.9**				
Amount Avg CF:			**725.717673**	Linear:			
Aroclor-1254					6	83.28	
4.69	4.71	4.73	320248.2	516.53934			1
+ 4.69	4.73	4.73	86769.15	139.952947			1
4.76	4.78	4.80	1096660	892.225394			2
4.88	4.90	4.92	1794677	4795.196969			3
4.97	4.99	5.01	666140.2	830.715766			4
5.17	5.20	5.21	1221249	1947.813283			5
5.29	5.31	5.33	3030521	3786.888054			6
Height Summation:			**8129495.4**				
Amount Avg CF:			**2128.229801**	Linear:			
Aroclor-1260					6	11.70	
4.88	4.90	4.92	1794677	1948.422664			1
5.29	5.31	5.33	3030521	2503.733016			2
5.36	5.37	5.40	1193724	1948.553333			3
5.52	5.54	5.56	1251154	1873.932755			4
5.76	5.77	5.80	3653525	2422.959234			5
5.96	5.98	6.00	2123565	2291.015707			6
Height Summation:			**13047166**				
Amount Avg CF:			**2181.436118**	Linear:			
Aroclor-1262					6	37.14	
5.35	5.37	5.39	1193724	1205.251066			1
5.52	5.54	5.56	1251154	1468.368985			2
5.75	5.77	5.79	3653525	2055.802747			3
5.96	5.98	6.00	2123565	1841.585703			4
6.01	6.03	6.05	312480.8	574.303404			5
6.38	6.41	6.42	762572.8	1286.073357			6
Height Summation:			**9297021.6**				
Amount Avg CF:			**1405.230877**	Linear:			
Aroclor-1268					6	125.99	
5.96	5.98	5.99	2123565	988.825937			1
+ 6.01	6.01	6.05	54090.95	29.400583			2
6.01	6.03	6.05	312480.8	169.845745			2
+ 6.15	6.15	6.19	13618.57	8.033656			3
6.15	6.17	6.19	18822.58	11.103525			3
6.21	6.23	6.25	49020.31	108.096318			4
6.38	6.41	6.42	762572.8	1140.089608			5
6.58	6.61	6.62	153532.2	29.607245			6
Height Summation:			**3419993.69**				
Amount Avg CF:			**407.928063**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	31.51	
3.54	3.56	3.58	157113	955.549869			1
3.62	3.63	3.66	160199.4	803.262701			2
3.68	3.69	3.72	187270.8	638.441283			3
+ 3.68	3.71	3.72	72097.35	245.793389			3
3.79	3.80	3.83	209157.1	514.101991			4
3.88	3.90	3.92	140785	572.267762			5
4.02	4.04	4.06	584514.8	1140.687295			6
Height Summation:			**1439040.1**				
Amount Avg CF:			**770.718483**	Linear:			
Aroclor-1254					6	85.85	
4.34	4.35	4.38	280730.2	650.852022			1
4.40	4.42	4.44	344319.8	459.894437			2
+ 4.40	4.43	4.44	163323.6	218.144919			2
4.50	4.51	4.54	1234965	3410.217943			3
4.57	4.58	4.61	360133	776.409979			4
4.64	4.65	4.68	1550238	5255.764343			5
4.88	4.89	4.92	1689165	3057.246899			6
Height Summation:			**5459551**				
Amount Avg CF:			**2268.397604**	Linear:			
Aroclor-1260					6	10.08	
4.64	4.65	4.68	1550238	2217.983			1
4.75	4.76	4.78	1177527	1937.863926			2
4.88	4.89	4.92	1689165	2438.942736			3
5.11	5.12	5.15	842540.8	1854.106811			4
+ 5.11	5.15	5.15	170748.8	375.752145			4
5.30	5.32	5.34	2149340	2028.865152			5
5.56	5.58	5.60	1468983	2059.514055			6
Height Summation:			**8877793.8**				
Amount Avg CF:			**2089.545947**	Linear:			
Aroclor-1262					6	29.62	
4.91	4.93	4.95	619361.6	944.260504			1
5.11	5.12	5.15	842540.8	1223.669047			2
5.30	5.32	5.34	2149340	1672.827726			3
5.52	5.53	5.56	389817.1	789.666291			4
5.56	5.58	5.60	1468983	1648.68086			5
5.94	5.96	5.98	539379.9	1100.44115			6
Height Summation:			**6009422.4**				
Amount Avg CF:			**1229.924263**	Linear:			
Aroclor-1268					6	122.28	
5.52	5.53	5.56	389817.1	253.28574			1
5.56	5.58	5.60	1468983	937.625771			2
5.72	5.73	5.76	32934.31	24.559394			3
+ 5.79	5.80	5.82	10265.62	29.279468			4
5.79	5.82	5.82	13400.48	38.220674			4
5.94	5.96	5.98	539379.9	1005.815869			5
6.14	6.16	6.18	121599.2	27.409434			6
Height Summation:			**2566113.99**				
Amount Avg CF:			**381.152814**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229533** MS ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.37 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0073.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 10:41:44
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0073.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			983.6066	190.9354		19.70	4	40	
Aroclor-1221			983.6066	295.082		6.80	3	40	
Aroclor-1232			983.6066	237.2228		29.47	4	40	
Aroclor-1242			983.6066	237.2228		19.04	4	40	
Aroclor-1248			983.6066	190.9354		6.01	4	40	
Aroclor-1254			983.6066	254.5805		6.38	4	40	
Aroclor-1260			983.6066	225.6509		4.30	4	40	
Aroclor-1262			983.6066	190.9354		13.31	4	40	
Aroclor-1268			983.6066	190.9354		6.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:41:44 AM 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: 07pcbs17292004.0073.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		39808	32442
1.555		32951	24413
1.603		68978	151913
1.659		219872	237270
1.706		66986	95423
1.733		57866	67325
1.763		54838	63118
1.787		17436	11854
1.812		72690	93337
1.833		67060	94038
1.861		38092	26584
1.878		51410	38882
1.893		48231	34497
1.911		47454	37349
1.936		38772	47683
1.96		43655	43397
1.976		34903	25822
2.001		54743	62046
2.021		54995	45876
2.041		18616	11352
2.07		26375	18833
2.088		63151	102944
2.134		96027	146766
2.178		64430	66439
2.195		93158	114241
2.229		87448	199627
2.26		73603	91565
2.292		216750	179680
2.311		75560	51770
2.322		76808	61293
2.338		39771	26970
2.362		60460	101991
2.403		85668	109297
2.434		35343	19863
2.468		67840	52882
2.483		77266	104171
2.517		33145	34460
2.538		50439	66006
2.572		42500	66871
2.607		37489	34343
2.631		14600	7026
2.647		17167	8293
2.662		26755	22351
2.7		31173	21708
2.72		24890	24281
2.748		129501	71348
2.8		31656	49673
2.835		41573	34106
2.862		28923	23227
2.886		15234	7382
2.901		21073	13540
2.929		11431	8625
2.979		35783	35739

RT A	Compound A	Height A	Area A
3.005		10844	4321
3.029	TCX	653424	438841
3.08		18954	13753
3.102		27429	37040
3.149		10516	11158
3.18		39274	27903
3.197		13965	6041
3.216		11805	8077
3.24		42106	24519
3.259		4232	1911
3.286		201463	154610
3.311		12302	5151
3.352		119937	93483
3.379		37607	28483
3.405		6051	4616
3.431		9625	5811
3.457		18848	15529
3.481		17072	10462
3.503		215902	127365
3.52		111713	60281
3.539		3817	1196
3.558		16377	10452
3.573		11363	4750
3.588		18489	12323
3.619		215958	152241
3.645		9549	5279
3.67		10217	8789
3.693		16580	9136
3.73		42619	31124
3.746		33299	19227
3.792		138963	73292
3.804		245849	126616
3.843		271359	214228
3.903		250473	207497
3.946		36955	26668
3.972		353921	250636
4		219291	172787
4.023		65093	36127
4.051		12601	8359
4.082		3833	1981
4.101		287985	201563
4.126		105483	70716
4.158		109811	78748
4.194		243171	247721
4.234		70223	53953
4.267		10913	7265
4.278		9479	5025
4.301		7937	5192
4.323		34566	28397
4.358		700113	510309
4.377		150216	79445
4.403		226537	185954
4.472		190588	187720
4.516		981290	946121
4.552		247697	193606
4.593		18063	13833
4.617		35823	27128
4.66		249045	237763
4.713		320248	245337
4.729		86769	65062
4.775		1096660	972327
4.823		711818	783349
4.861		225688	167477
4.902		1794677	1692335
4.95		65963	57933
4.993		666140	649442

RT A	Compound A	Height A	Area A
5.024		24722	14916
5.051		361975	327311
5.103		2514187	3099418
5.155		388866	335784
5.195		1221249	1255032
5.238		51234	32761
5.276		228005	287182
5.31		3030521	2664444
5.333		131871	61067
5.351		48553	21068
5.375		1193724	1045793
5.418		824212	759404
5.516		256652	209281
5.538		1251154	1030951
5.595		704877	631592
5.635		426713	397539
5.676		71825	78211
5.718		523515	477578
5.747		34479	21995
5.774		3653525	3491755
5.862		4963	7153
5.927		2976	2084
5.981		2123565	1965901
6.013		54091	53112
6.035		312481	329789
6.148		13619	9989
6.169		18823	14988
6.201		1499	962
6.225		49020	37886
6.25		329384	295916
6.302		1920	804
6.316		4368	2410
6.376		3740	2775
6.405		762573	732814
6.45		39869	32393
6.477		14131	11854
6.566		2286	778
6.606		153532	142399
6.653		1450	495
6.752	DCB	372439	421469
6.823		1975	1144
6.923		1974	1117
6.989		1700	1411
7.023		5937	6913
7.114		1172	889
7.128		1535	566
7.23		1646	478
7.239		1624	545
7.258		1480	315
7.293		6466	10379
7.341		2577	1897
7.41		3460	6954
7.467		1487	783
7.479		1747	788
7.515		2758	2645
7.553		4301	6621
7.612		2504	3398
7.691		1687	2417
7.714		1349	722
7.779		1724	1659
7.837		1303	813
7.875		982	291
7.908		1762	2148
7.98		5614	7538
8.003		1796	466
8.02		1219	371

RT A	Compound A	Height A	Area A
8.074		1597	1471
8.098		1447	527
8.135		1658	963
8.166		1209	662
8.233		23461	39478
8.278		1242	422
8.413		1177	597
8.468		1408	332
8.536		1879	4004
8.564		1342	1288
8.64		1984	1979
8.677		1444	409

LANCASTER LABORATORIES

Sample Number: 9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:41:44 AM 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, 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: 07pcbs17292004B.0073.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.582		16636	18307
1.598		18269	17295
1.637		12108	12249
1.696		13361	14463
1.717		9567	7961
1.76		11640	18550
1.788		10064	8246
1.822		12644	15060
1.848		10155	9990
1.881		13604	16131
1.909		20797	33281
1.951		12254	12810
1.969		10915	13302
1.993		20114	21604
2.018		11102	8044
2.041		20598	16906
2.076		98392	84818
2.126		10128	8296
2.168		8230	6373
2.189		9884	7747
2.224		17708	24854
2.286		13852	15518
2.312		7183	4609
2.334		4834	3341
2.353		6999	3664
2.371		2485	1147
2.435		10355	19477
2.491		98805	78627
2.541		3278	1729
2.569		4934	4731
2.59		5072	3217
2.616		6783	8746
2.667		12615	13060
2.704		5133	4844
2.746	TCX	377409	259105
2.79		11190	8819
2.835		6350	6572
2.861		3668	3257
2.918		22596	16158
2.944		3092	1922
2.98		25195	25211
3.033		86651	46186
3.046		31812	12367
3.108		6158	3470
3.146		17440	16286
3.242		166104	184038
3.294		14564	9732
3.317		7765	4797
3.342		9388	4940
3.366		154698	116708
3.403		8827	6613
3.449		38040	21413
3.465		18129	9243
3.510		63375	35460

3.525		147971	71223
3.56		157113	132985
3.634		160199	110732
3.669		229586	150159
3.693		187271	114556
3.712		72097	38391
3.802		209157	152691
3.827		70396	41058
3.849		71784	48373
3.88		28605	14868
3.898		140785	96790
3.941		48777	40234
3.99		10901	12348
4.013		52690	31557
4.036		584515	438539
4.062		95644	59599
4.084		42845	22744
4.102		104563	70301
4.14		642210	507517
4.174		164038	114925
4.193		77910	49479
4.256		29768	29668
4.292		151521	123775
4.322		65753	46318
4.352		280730	233383
4.398		70037	60968
4.415		344320	203089
4.429		163324	92741
4.457		191884	210260
4.511		1234965	1092640
4.55		46813	46567
4.583		360133	270282
4.609		305495	234875
4.653		1550238	1421923
4.71		86211	70268
4.76		1177527	1221986
4.814		277732	274255
4.856		337958	327335
4.894		1689165	1537776
4.927		619362	485565
4.968		479266	427062
5.037		5434	4980
5.071		159349	201005
5.123		842541	699656
5.147		170749	118308
5.198		500268	487384
5.234		247297	202457
5.262		164372	141942
5.295		82958	52050
5.317		2149340	1892818
5.358		41215	31531
5.392		71767	59311
5.51		14305	9304
5.532		389817	351319
5.577		1468983	1651058
5.732		32934	31551
5.776		43844	36742
5.802		10266	6530
5.823		13400	8141
5.851		226635	209846
5.956		539380	489545
5.987		28546	21013
6.156		121599	111863
6.316	DCB	287154	289273
6.523		36007	54886
6.76		3821	5313
6.79		2928	2738

6.936	2007	12401
7.02	1987	3287
7.061	2309	3864
7.151	1582	1473
7.26	2954	3513
7.397	1499	2077
7.879	10893	16492
8.516	3821	11169
8.62	3481	7990

9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 808

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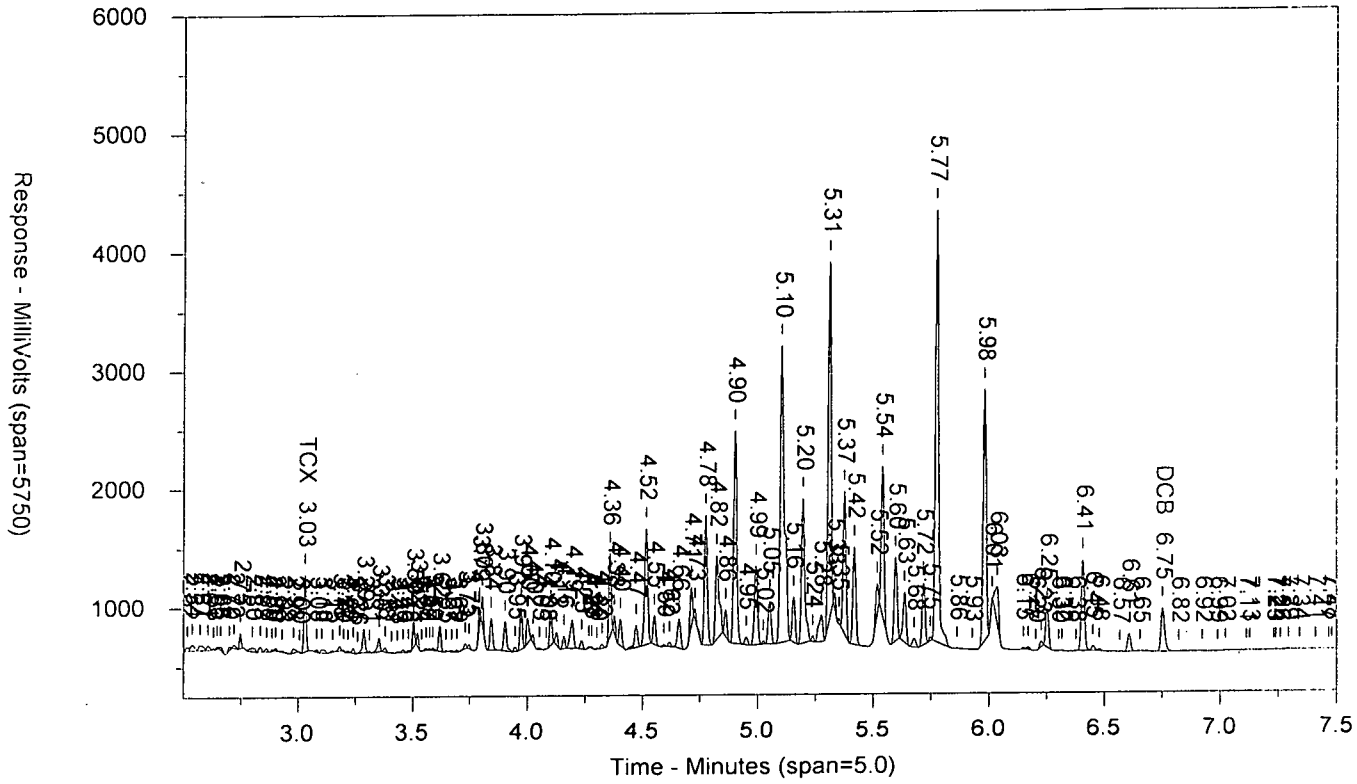

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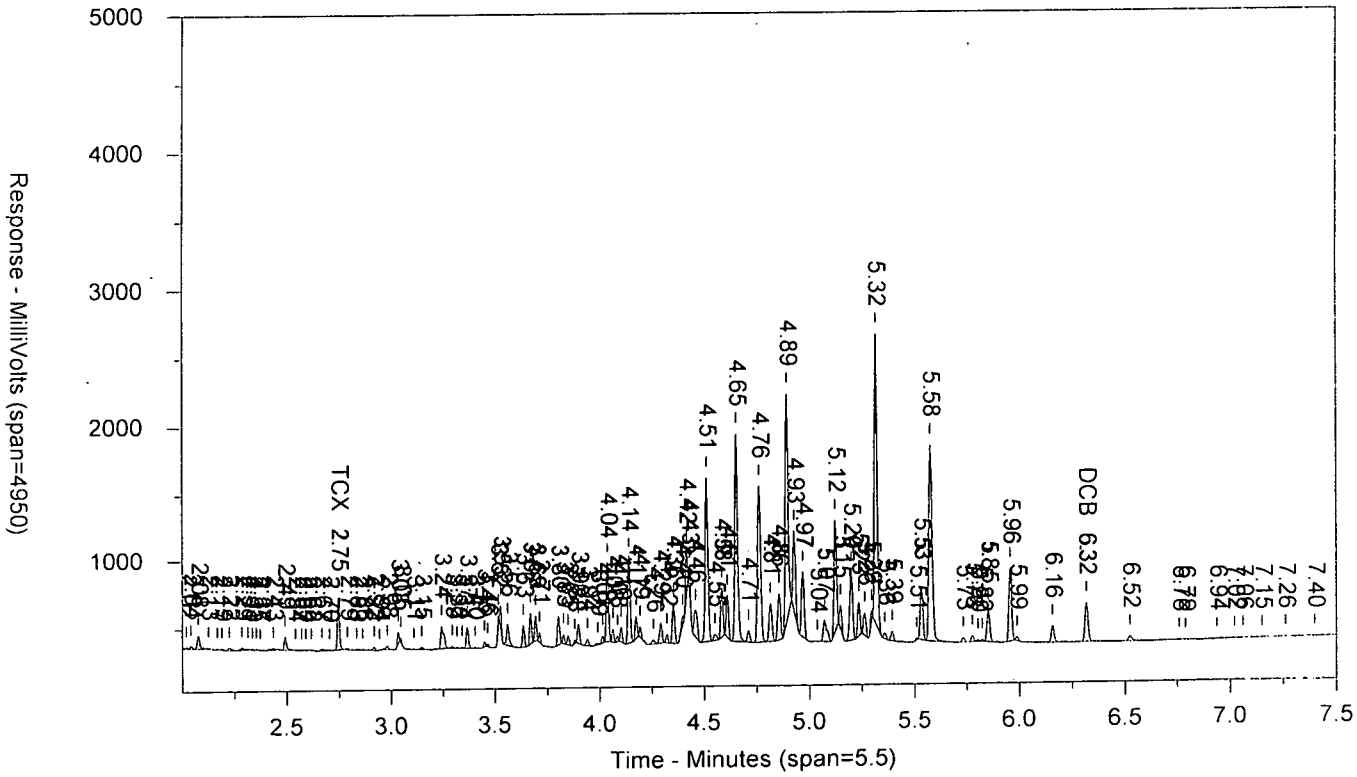

LANCASTER LABORATORIES

Sample Number: 9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:41:44 AM
Sample Weight: 10.37
Instrument ID: CP7-19843A
Dilution Factor: 200
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	653424	19.847	TCX	2.746	377409	23.979	TCX
6.752	372439	28.144	DCB	6.316	287154	24.002	DCB

Files:
Area File: 07pcbs17292004.0073.RAW
Area File: 07pcbs17292004B.0073.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 10:50:25 AM
File Reported On: 10/25/2017 at 10:50:56 AM

9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 8082

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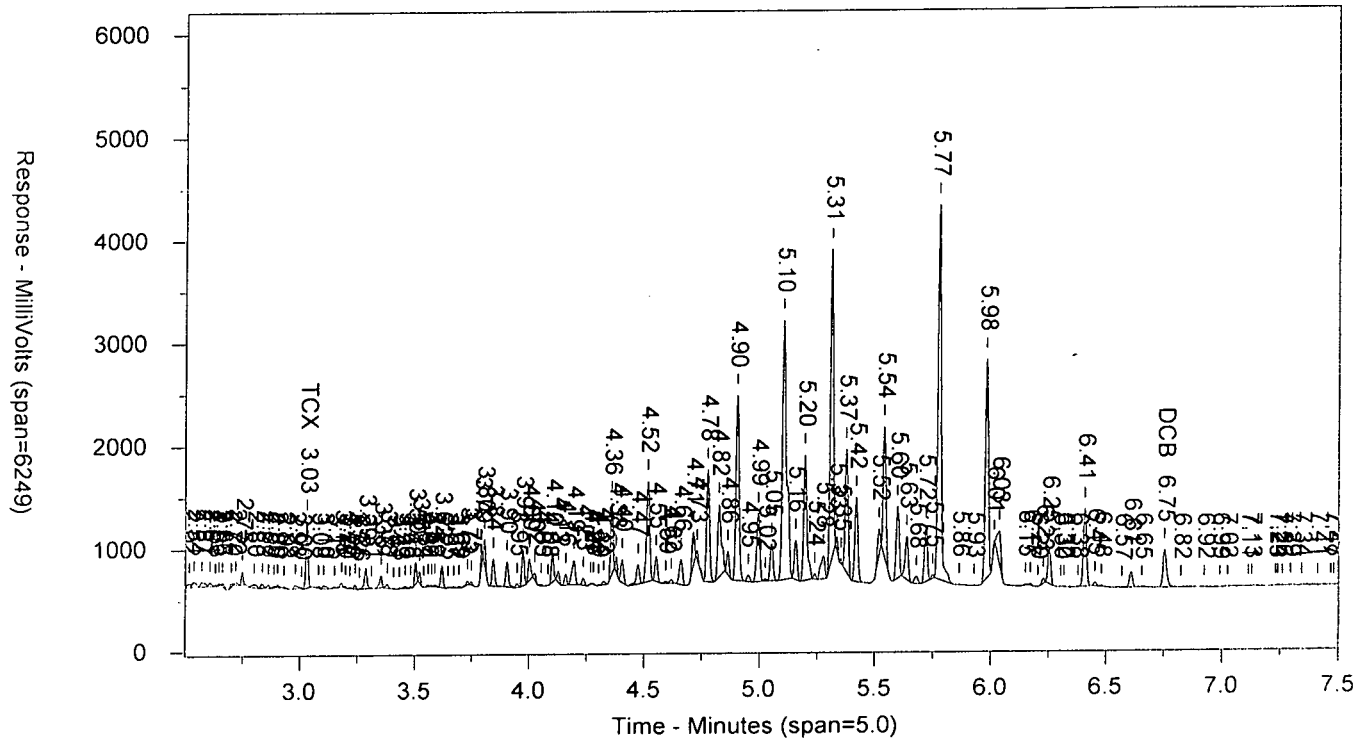

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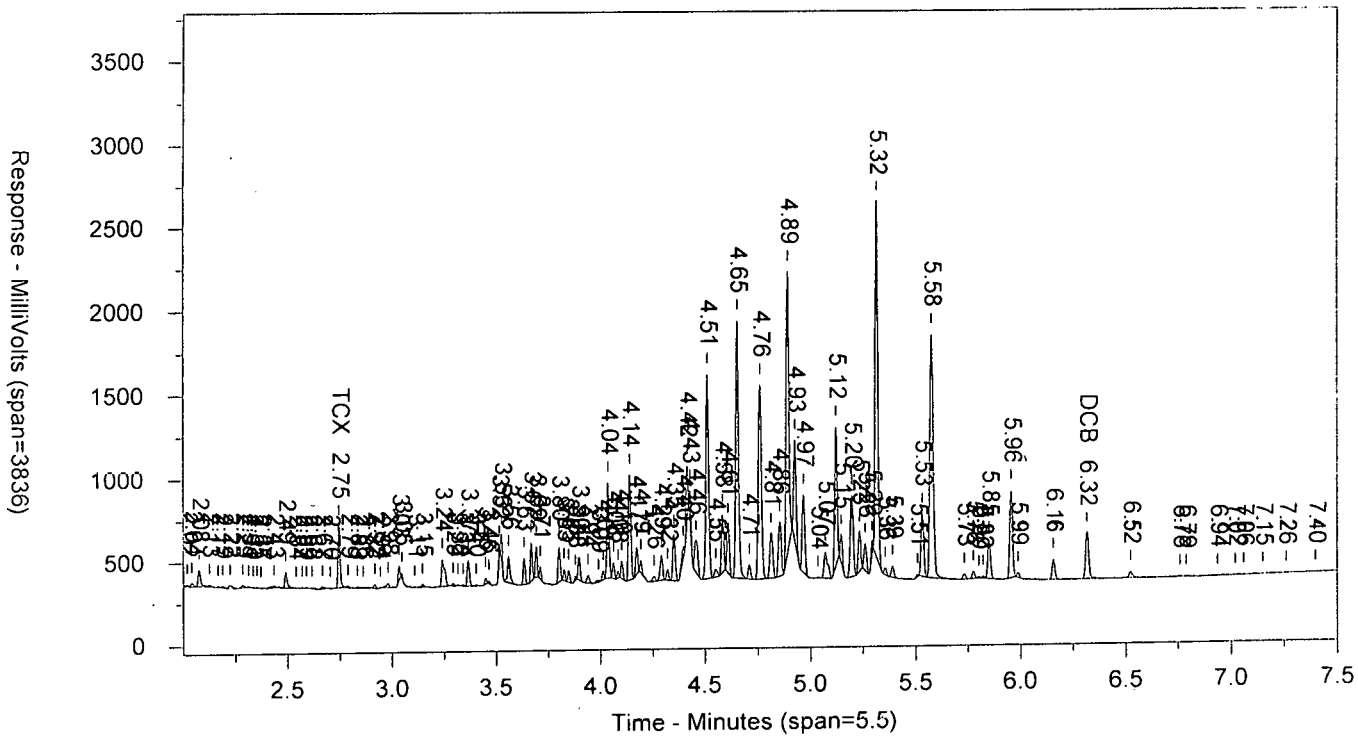

9229533MS ACF DF20 AC03A05 MS 172850029A 10225 SW-846 808:

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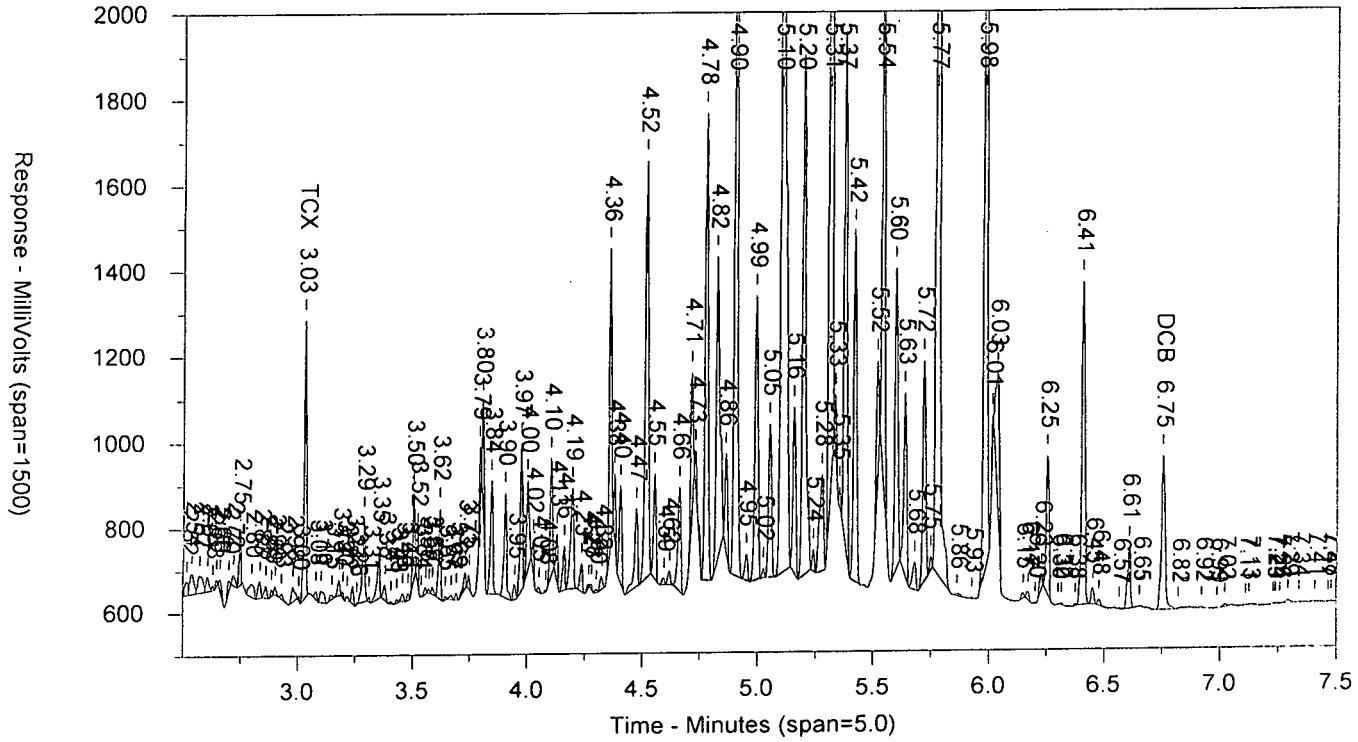

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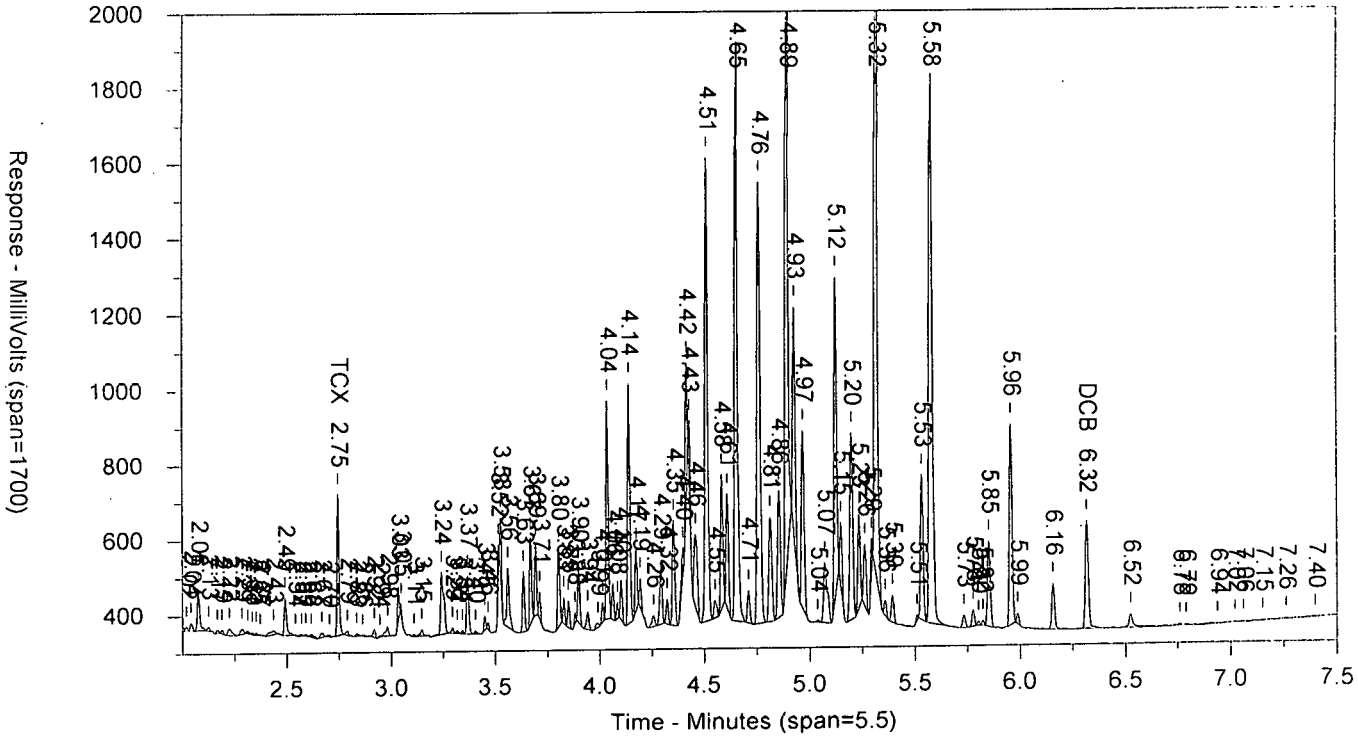

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Data Summary

Sample Name: 9229534 MSD ACF DF20 03A05 MSD Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:53:10
Instrument	19843A
Result file	07PCBS17292004.0074.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 68% (61 - 152) Conc: 20.55147
%SSR(DCB) 104% (48 - 164) Conc: 27.90612

Analysis Report (B)

Injected on	Oct 25, 2017 10:53:10
Instrument	19843B
Result file	07PCBS17292004B.0074.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 81% (61 - 152) Conc: 24.3922
%SSR(DCB) 94% (48 - 164) Conc: 25.01358

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	662903	20.55147
Decachlorobiphenyl	6.72	6.75	6.78	361816	27.90612

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	376134	24.3922
Decachlorobiphenyl	6.29	6.32	6.35	293196	25.01358

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	24.3922				17.09	
☐ Tetrachloro-m-xylene-D1	A	20.55147					
☐ Tetrachloro-m-xylene-D2	B	24.3922					
☐ Decachlorobiphenyl	A	27.90612				10.93	
☐ Decachlorobiphenyl-D1	A	27.90612					
☐ Decachlorobiphenyl-D2	B	25.01358					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**31.28**	
3.27	3.29	3.31	199862.3	392.841836			1
3.48	3.50	3.52	212632	402.171091			2
3.60	3.62	3.64	230438.7	377.977039			3
3.82	3.84	3.86	282505	397.863787			4
3.88	3.90	3.92	247636	417.065413			5
4.08	4.10	4.12	328560.7	745.210634			6
Height summation:			**1501634.7**				
Concentration		CF:	**455.521633**	L:			
Aroclor-1260						**9.37**	
4.88	4.90	4.92	2798535	3101.077834			1
5.29	5.31	5.33	4457630	3758.891452			2
5.36	5.37	5.40	1911947	3185.438827			3
5.52	5.54	5.56	1905094	3067.771742			4
5.76	5.77	5.80	5517928	3735.038662			5
5.96	5.98	6.00	3214899	3540.094782			6
Height summation:			**19806033**				
Concentration		CF:	**3398.052217**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**20.50**	
3.02	3.03	3.06	82900.33	304.609786			1
3.35	3.37	3.39	164546.8	498.834504			2
3.54	3.56	3.58	140272.9	426.379578			3
3.62	3.63	3.66	164637.9	481.168597			4
Height summation:			**552357.93**				
Concentration		CF:	**427.748116**	L:			
Aroclor-1260						**11.40**	
4.64	4.65	4.68	2398960	3503.223858			1
4.75	4.76	4.78	1725642	2898.599114			2
4.88	4.89	4.92	2562711	3776.714981			3
5.11	5.12	5.15	1251437	2810.851152			4
5.30	5.32	5.34	3339586	3217.55324			5
5.56	5.58	5.60	2172943	3109.434214			6
Height summation:			**13451279**				
Concentration		CF:	**3219.396093**	L:			

Valerie L. Tomaylla
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:16

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Data Summary

Sample Name: 9229534 MSD ACF DF20 03A05 MSD Sample ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:53:10
Instrument	19843A
Result file	07PCBS17292004.0074.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 25, 2017 10:53:10
Instrument	19843B
Result file	07PCBS17292004B.0074.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	455.521633	<1003.937	194.8819		6.29	4	
PCB-1221			<1003.937	<301.1811			3	
PCB-1232			<1003.937	<242.126			4	
PCB-1242			<1003.937	<242.126			4	
PCB-1248			<1003.937	<194.8819			4	
PCB-1254			<1003.937	<259.8425			4	
PCB-1260	A	3398.052217	1003.937	230.315		5.40	4	
PCB-1262			<1003.937	<194.8819			4	
PCB-1268			<1003.937	<194.8819			4	
Total PCBs	A	3853.57385	1003.937	194.8819				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:16

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229534** MSD ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 68% (61-152) Conc.: 20.55147
%SSR(DCB) : 104% (48-164) Conc.: 27.90612

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	31.28	
3.27	3.29	3.31	199862.3	392.841836			1
3.48	3.50	3.52	212632	402.171091			2
+ 3.48	3.52	3.52	117917.6	223.028753			2
3.60	3.62	3.64	230438.7	377.977039			3
3.82	3.84	3.86	282505	397.863787			4
3.88	3.90	3.92	247636	417.065413			5
4.08	4.10	4.12	328560.7	745.210634			6
Height Summation:			**1501634.7**				
Amount Avg CF:			**455.521633**	Linear:			
Aroclor-1221					3	24.52	
3.16	3.18	3.20	40212.86	154.3724			1
+ 3.16	3.20	3.20	10695.19	41.057566			1
3.22	3.24	3.26	40731	181.36692			2
3.27	3.29	3.31	199862.3	246.994313			3
Height Summation:			**280806.16**				
Amount Avg CF:			**194.244544**	Linear:			
Aroclor-1232					6	52.75	
3.26	3.29	3.30	199862.3	322.479955			1
3.48	3.50	3.52	212632	866.637553			2
+ 3.48	3.52	3.52	117917.6	480.604144			2
3.60	3.62	3.64	230438.7	806.646964			3
3.82	3.84	3.86	282505	808.318437			4
3.88	3.90	3.92	247636	940.40402			5
+ 4.08	4.08	4.12	3595.93	19.929762			6
4.08	4.10	4.12	328560.7	1820.985537			6
Height Summation:			**1501634.7**				
Amount Avg CF:			**927.578744**	Linear:			
Aroclor-1242					6	34.40	
3.27	3.29	3.31	199862.3	458.535828			1
3.48	3.50	3.52	212632	484.673185			2
+ 3.48	3.52	3.52	117917.6	268.781269			2
3.60	3.62	3.64	230438.7	453.727506			3
3.82	3.84	3.86	282505	461.628193			4
3.88	3.90	3.92	247636	539.862298			5
4.08	4.10	4.12	328560.7	942.214456			6
Height Summation:			**1501634.7**				
Amount Avg CF:			**556.773578**	Linear:			
Aroclor-1248					6	62.61	
3.82	3.84	3.86	282505	725.190585			1
3.88	3.90	3.92	247636	760.639149			2
3.95	3.97	3.99	427461	770.258927			3
4.08	4.10	4.12	328560.7	529.052475			4
4.17	4.19	4.21	272593.5	526.436223			5
4.36	4.36	4.40	990004	1990.008326			6
+ 4.36	4.38	4.40	188014.5	377.928191			6
Height Summation:			**2548760.2**				
Amount Avg CF:			**883.597614**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 81% (61-152) Conc.: 24.3922
%SSR(DCB) : 94% (48-164) Conc.: 25.01358

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	41.36	
3.02	3.03	3.06	82900.33	304.609786			1
+ 3.02	3.05	3.06	51254.1	188.328568			1
3.35	3.37	3.39	164546.8	498.834504			2
+ 3.54	3.55	3.58	13416.96	40.782772			3
3.54	3.56	3.58	140272.9	426.379578			3
3.62	3.63	3.66	164637.9	481.168597			4
3.68	3.69	3.72	235515.8	912.130712			5
+ 3.68	3.71	3.72	120103.4	465.149259			5
3.79	3.80	3.83	233660.5	814.312845			6
Height Summation:			**1021534.23**				
Amount Avg CF:			**572.906004**	Linear:			
Aroclor-1221					3	27.11	
2.90	2.92	2.94	24894.83	155.888324			1
2.96	2.98	3.00	24868.75	269.423921			2
3.02	3.03	3.06	82900.33	204.819849			3
+ 3.02	3.05	3.06	51254.1	126.632271			3
Height Summation:			**132663.91**				
Amount Avg CF:			**210.044031**	Linear:			
Aroclor-1232					6	61.52	
3.02	3.03	3.06	82900.33	258.968243			1
+ 3.02	3.05	3.06	51254.1	160.11015			1
3.35	3.37	3.39	164546.8	1072.492867			2
+ 3.54	3.55	3.58	13416.96	85.568149			3
3.54	3.56	3.58	140272.9	894.605961			3
3.62	3.63	3.66	164637.9	1103.139355			4
3.68	3.69	3.72	235515.8	2468.75396			5
+ 3.68	3.71	3.72	120103.4	1258.963281			5
3.79	3.80	3.83	233660.5	2003.780907			6
Height Summation:			**1021534.23**				
Amount Avg CF:			**1300.290216**	Linear:			
Aroclor-1242					6	45.33	
3.02	3.03	3.06	82900.33	354.083667			1
+ 3.02	3.05	3.06	51254.1	218.916374			1
3.35	3.37	3.39	164546.8	589.980927			2
+ 3.54	3.55	3.58	13416.96	46.326775			3
3.54	3.56	3.58	140272.9	484.341544			3
3.62	3.63	3.66	164637.9	593.446124			4
3.68	3.69	3.72	235515.8	1175.557448			5
+ 3.68	3.71	3.72	120103.4	599.486091			5
3.79	3.80	3.83	233660.5	991.720325			6
Height Summation:			**1021534.23**				
Amount Avg CF:			**698.188339**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229534** MSD ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	86.50	
4.69	4.71	4.73	442423.2	728.349198			1
+ 4.69	4.73	4.73	154204.5	253.862645			1
4.76	4.78	4.80	1572753	1306.014946			2
4.88	4.90	4.92	2798535	7631.957536			3
4.97	4.99	5.01	930113.9	1183.880843			4
5.17	5.20	5.21	1834431	2986.273163			5
5.29	5.31	5.33	4457630	5685.311112			6
Height Summation:			12035886.1				
Amount Avg CF:			3253.631133	Linear:			
Aroclor-1260					6	9.37	
4.88	4.90	4.92	2798535	3101.077834			1
5.29	5.31	5.33	4457630	3758.891452			2
5.36	5.37	5.40	1911947	3185.438827			3
5.52	5.54	5.56	1905094	3067.771742			4
5.76	5.77	5.80	5517928	3735.038662			5
5.96	5.98	6.00	3214899	3540.094782			6
Height Summation:			19806033				
Amount Avg CF:			3398.052216	Linear:			
Aroclor-1262					6	45.92	
5.35	5.37	5.39	1911947	1970.309705			1
5.52	5.54	5.56	1905094	2282.053868			2
5.75	5.77	5.79	5517928	3169.059815			3
5.96	5.98	6.00	3214899	2845.632144			4
+ 6.01	6.01	6.05	77793.24	145.930127			5
+ 6.01	6.03	6.05	34124.18	64.012579			5
6.01	6.04	6.05	207067.4	388.431848			5
6.38	6.40	6.42	1160180	1997.077201			6
Height Summation:			13917115.4				
Amount Avg CF:			2108.760763	Linear:			
Aroclor-1268					6	134.73	
5.96	5.98	5.99	3214899	1527.941309			1
+ 6.01	6.01	6.05	77793.24	43.157695			2
+ 6.01	6.03	6.05	34124.18	18.93122			2
6.01	6.04	6.05	207067.4	114.875685			2
+ 6.15	6.15	6.19	21430.86	12.903466			3
6.15	6.17	6.19	26332.53	15.854749			3
6.21	6.22	6.25	68626.77	154.459084			4
6.38	6.40	6.42	1160180	1770.386542			5
6.58	6.60	6.62	218753.7	43.056525			6
Height Summation:			4895859.4				
Amount Avg CF:			604.428982	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	38.91	
+ 3.54	3.55	3.58	13416.96	83.287612			1
3.54	3.56	3.58	140272.9	870.763187			1
3.62	3.63	3.66	164637.9	842.580846			2
3.68	3.69	3.72	235515.8	819.513273			3
+ 3.68	3.71	3.72	120103.4	417.918163			3
3.79	3.80	3.83	233660.5	586.201634			4
3.88	3.90	3.92	157353	652.834311			5
4.02	4.04	4.06	779889.3	1553.420752			6
Height Summation:			1711329.4				
Amount Avg CF:			887.552334	Linear:			
Aroclor-1254					6	89.18	
4.34	4.35	4.38	398053.4	941.931909			1
4.40	4.42	4.44	474928.7	647.455049			2
+ 4.40	4.43	4.44	277787	378.698099			2
4.50	4.51	4.54	1832702	5165.405111			3
4.57	4.58	4.61	479595.5	1055.330131			4
4.64	4.65	4.68	2398960	8301.289523			5
4.88	4.89	4.92	2562711	4734.162058			6
Height Summation:			8146950.6				
Amount Avg CF:			3474.262297	Linear:			
Aroclor-1260					6	11.40	
4.64	4.65	4.68	2398960	3503.223858			1
4.75	4.76	4.78	1725642	2898.599114			2
4.88	4.89	4.92	2562711	3776.714981			3
5.11	5.12	5.15	1251437	2810.851152			4
+ 5.11	5.15	5.15	252851.7	567.929902			4
5.30	5.32	5.34	3339586	3217.55324			5
5.56	5.58	5.60	2172943	3109.434214			6
Height Summation:			13451279				
Amount Avg CF:			3219.396093	Linear:			
Aroclor-1262					6	31.16	
4.91	4.93	4.95	926032.4	1440.982742			1
5.11	5.12	5.15	1251437	1855.098924			2
5.30	5.32	5.34	3339586	2652.917699			3
5.52	5.53	5.56	561517.7	1160.997306			4
5.56	5.58	5.60	2172943	2489.162267			5
5.94	5.96	5.98	809106.7	1684.856468			6
Height Summation:			9060622.8				
Amount Avg CF:			1880.669234	Linear:			
Aroclor-1268					6	123.11	
5.52	5.53	5.56	561517.7	372.390293			1
5.56	5.58	5.60	2172943	1415.618235			2
5.72	5.73	5.76	47955.66	36.500096			3
+ 5.79	5.80	5.82	14637.03	42.610438			4
5.79	5.82	5.82	19186.17	55.85362			4
5.94	5.96	5.98	809106.7	1539.978193			5
6.14	6.16	6.18	180632.3	41.557538			6
Height Summation:			3791341.53				
Amount Avg CF:			576.982996	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229534** MSD ACF DF20 03A05 ID: AC **Batchnumber: 172850029A**
Sample Amount: 10.16 g Total Volume: 200 ml Analyst: 9065 SDG: ATH03 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0074.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 10:53:10
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0074.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1003.9371	194.8819		22.83	4	40	
Aroclor-1221			1003.9371	301.1811		7.82	3	40	
Aroclor-1232			1003.9371	242.126		33.46	4	40	
Aroclor-1242			1003.9371	242.126		22.54	4	40	
Aroclor-1248			1003.9371	194.8819		0.45	4	40	
Aroclor-1254			1003.9371	259.8425		6.56	4	40	
Aroclor-1260			1003.9371	230.315		5.40	4	40	
Aroclor-1262			1003.9371	194.8819		11.43	4	40	
Aroclor-1268			1003.9371	194.8819		4.65	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:53:10 AM 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: 07pcbs17292004.0074.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		31543	23661
1.554		37548	27730
1.6		67774	148698
1.659		207316	254261
1.705		71622	118518
1.733		65735	72454
1.764		58171	67679
1.787		17458	12026
1.811		73776	93015
1.833		68233	95936
1.862		40272	27921
1.878		40688	28946
1.892		45569	33468
1.911		46235	34902
1.936		40942	49044
1.958		40069	40851
1.975		36812	27963
2.002		52572	43846
2.021		52622	45041
2.042		22261	17983
2.069		24646	16437
2.087		54288	56668
2.103		48337	42447
2.134		84518	114310
2.194		74422	126173
2.216		53039	39653
2.231		63252	93257
2.26		47148	48185
2.292		179412	133384
2.311		41253	28621
2.322		43797	25913
2.339		8475	5413
2.36		39173	60962
2.402		78963	96445
2.435		32677	17409
2.468		62244	50381
2.483		69981	84878
2.517		25750	28199
2.539		41059	44277
2.571		12772	7250
2.607		30105	24166
2.631		11001	4581
2.647		17742	10140
2.662		19877	17405
2.7		30701	20226
2.719		24118	25367
2.747		168960	117851
2.798		30197	47716
2.835		39848	33717
2.862		28353	22497
2.886		14792	7104
2.901		22469	15417
2.929		10453	11184

RT A	Compound A	Height A	Area A
2.979		34343	36411
3.004		9181	3603
3.029	TCX	662903	441489
3.08		17821	12963
3.101		27418	34766
3.144		6697	3809
3.18		40213	28182
3.197		10695	4720
3.216		10454	6826
3.239		40731	24357
3.259		4469	1942
3.286		199862	154472
3.311		8915	3494
3.352		160495	130573
3.379		36307	27216
3.404		6035	4435
3.431		7604	4293
3.457		16969	13981
3.481		14890	9235
3.502		212632	129527
3.519		117918	62685
3.538		5000	1481
3.556		17286	10526
3.572		13203	6058
3.588		19542	12805
3.618		230439	165583
3.645		9228	5559
3.667		8414	7072
3.693		18166	10509
3.73		43678	28566
3.746		31706	17430
3.792		149498	80556
3.804		247844	138188
3.843		282505	232621
3.903		247636	205786
3.945		40348	27714
3.972		427461	304130
4		283690	213297
4.023		130155	74153
4.051		12613	8246
4.08		3596	1552
4.101		328561	229307
4.127		131299	87494
4.158		142147	104201
4.194		272594	277792
4.235		79685	62175
4.266		15507	9991
4.279		10763	4997
4.301		6067	3558
4.322		44385	37366
4.358		990004	703012
4.377		188015	99327
4.403		317500	271079
4.472		282871	257010
4.517		1455920	1346880
4.551		368536	293058
4.592		36692	25760
4.617		54707	40791
4.659		348958	328158
4.713		442423	327154
4.729		154205	92707
4.776		1572753	1394489
4.823		1082488	1196380
4.862		332753	239014
4.902		2798535	2514636
4.951		98837	87025

RT A	Compound A	Height A	Area A
4.992		930114	917864
5.024		33865	22096
5.052		559444	494863
5.104		3052582	2474430
5.12		196996	116181
5.155		581845	502460
5.197		1834431	1849150
5.239		76355	48916
5.276		346931	419428
5.311		4457631	4002247
5.333		186898	91960
5.352		78331	33988
5.375		1911947	1607073
5.418		1269558	1148663
5.516		382363	298997
5.538		1905095	1552551
5.596		1107881	958135
5.635		629804	593505
5.676		103701	111094
5.718		774348	696975
5.747		54576	33502
5.775		5517928	5269432
5.98		3214899	2983183
6.014		77793	84973
6.027		34124	13918
6.035		207067	131174
6.147		21431	15372
6.168		26333	19031
6.2		1034	658
6.225		68627	54493
6.251		497752	444449
6.315		6609	5120
6.375		5503	3622
6.405		1160181	1104166
6.45		61848	51572
6.476		12441	9030
6.605		218754	204949
6.641		4208	2805
6.691		2031	912
6.715		1303	785
6.751	DCB	361816	392259
6.825		3021	2890
6.921		1646	1275
6.992		1889	1524
7.02		8078	7381
7.094		849	274
7.161		1783	756
7.24		2379	2551
7.29		4381	5806
7.36		1785	1832
7.404		1807	2255
7.489		1038	309
7.528		2332	1362
7.558		4586	3908
7.618		2412	5173
7.64		1816	1442
7.685		1489	1133
7.775		1338	739
7.838		1961	1243
7.911		2114	3609
7.979		6968	11852
8.022		1464	1252
8.058		1788	1142
8.092		2724	1740
8.236		9316	15071
8.286		1517	496

RT A	Compound A	Height A	Area A
8.31		1803	698
8.39		932	387
8.415		1221	942
8.516		1298	1496
8.556		1707	1212

LANCASTER LABORATORIES

Sample Number: 9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:53:10 AM 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, 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: 07pcbs17292004B.0074.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.583		16414	19059
1.598		19102	17948
1.637		11195	11214
1.69		10933	13431
1.718		9225	7422
1.761		11464	18004
1.789		9746	8428
1.824		12380	15122
1.849		10016	8860
1.883		12375	12706
1.909		20747	31354
1.952		12941	15369
1.97		10839	11779
1.993		16035	16754
2.019		11234	8239
2.041		20634	17205
2.077		94794	80888
2.126		8902	7118
2.167		9338	6955
2.19		9314	7994
2.223		15855	21978
2.285		13941	15876
2.312		6789	4541
2.354		6787	3630
2.388		2655	1126
2.436		10502	20780
2.491		121063	93086
2.541		3118	1685
2.57		4592	4285
2.59		5281	3134
2.616		4516	5460
2.667		11061	11048
2.704		6124	5894
2.746	TCX	376134	261937
2.79		11301	9266
2.836		4959	4787
2.862		3224	2868
2.918		24895	17442
2.945		3484	2319
2.98		24869	22596
3.033		82900	42345
3.046		51254	22294
3.107		6368	3747
3.145		18883	17268
3.243		172160	191369
3.294		15654	9921
3.316		8595	5347
3.342		10138	5183
3.366		164547	121835
3.403		10754	7625
3.449		39423	22721
3.465		19490	9681
3.516		53295	32275
3.525		168604	80771

3.546		13417	5361
3.559		140273	104981
3.635		164638	116827
3.669		272878	183210
3.693		235516	142837
3.712		120103	66058
3.802		233661	171576
3.827		85855	49926
3.849		95729	65520
3.88		31846	17160
3.898		157353	108576
3.941		54042	46180
3.987		18172	20075
4.013		62154	36812
4.036		779889	592001
4.062		134023	82544
4.083		72508	40086
4.103		155858	106166
4.139		894947	712482
4.174		236516	167825
4.193		101375	59821
4.256		43893	40756
4.292		200617	173731
4.321		84940	61654
4.352		398053	318964
4.398		92881	83519
4.416		474929	284613
4.429		277787	146036
4.457		293414	303343
4.511		1832702	1617391
4.55		69686	70454
4.583		479596	363264
4.608		441190	345706
4.652		2398960	2107813
4.71		136064	109198
4.761		1725643	1812067
4.814		400343	389202
4.856		516057	479821
4.893		2562711	2300143
4.927		926032	735396
4.967		726503	638794
5.04		7808	7330
5.071		234141	297401
5.123		1251437	1055408
5.147		252852	167923
5.198		758599	721686
5.234		357156	295818
5.261		242287	204568
5.294		129889	78484
5.316		3339587	2913299
5.358		64270	49075
5.392		105221	89098
5.509		22584	14113
5.532		561518	519978
5.577		2172943	2479211
5.733		47956	43753
5.776		69061	55934
5.802		14637	8972
5.823		19186	12751
5.851		340636	309702
5.891		3832	3038
5.93		3673	1853
5.956		809107	727454
5.987		41173	31232
6.156		180632	163834
6.317	DCB	293196	279624
6.351		3055	2837

6.522	32701	42681
6.689	1681	1979
6.758	4929	5629
6.794	2767	2325
6.865	1259	1586
7.016	1522	1809
7.057	2159	3463
7.113	2077	2482
7.259	3371	3845
7.621	1593	4577
7.78	1044	2095
7.877	4799	6097
8.133	1366	4179
8.279	1036	855
8.504	4367	7439
8.624	3591	7191

9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 80

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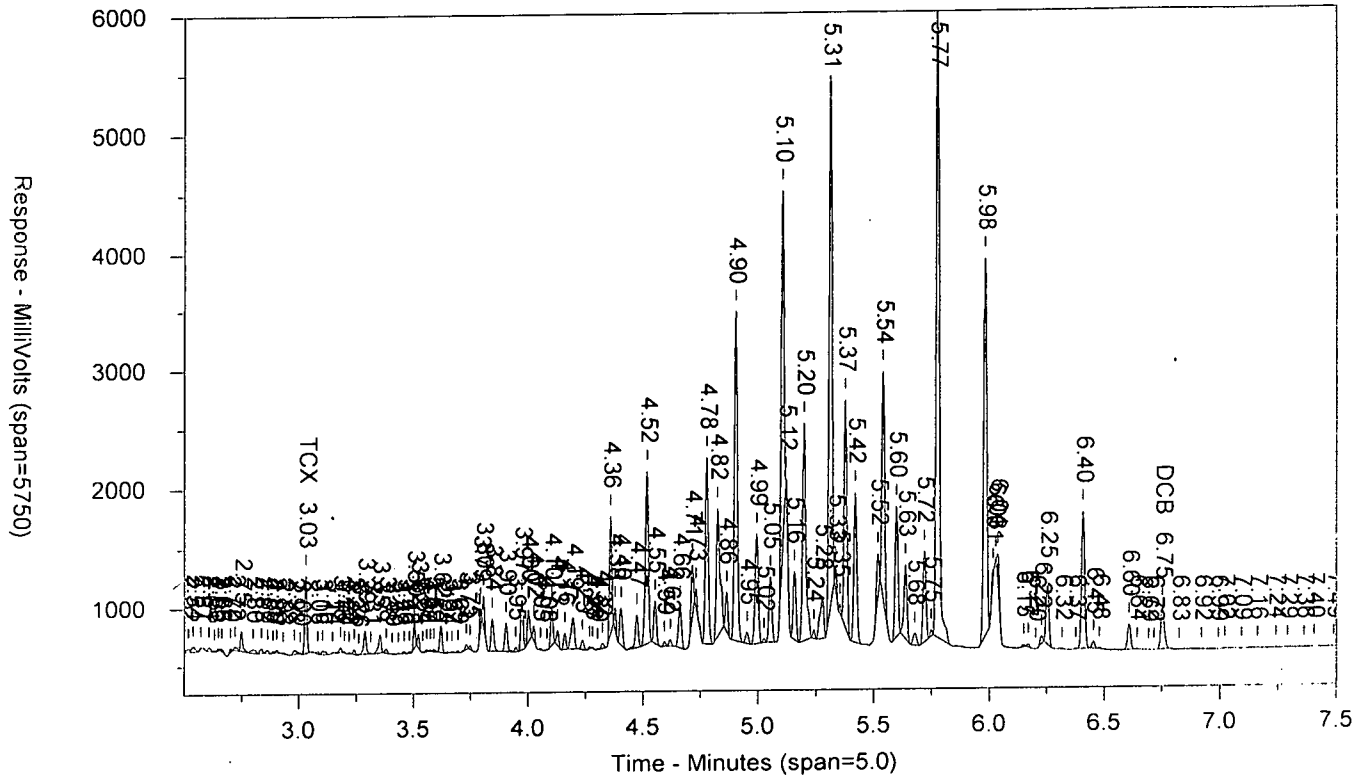

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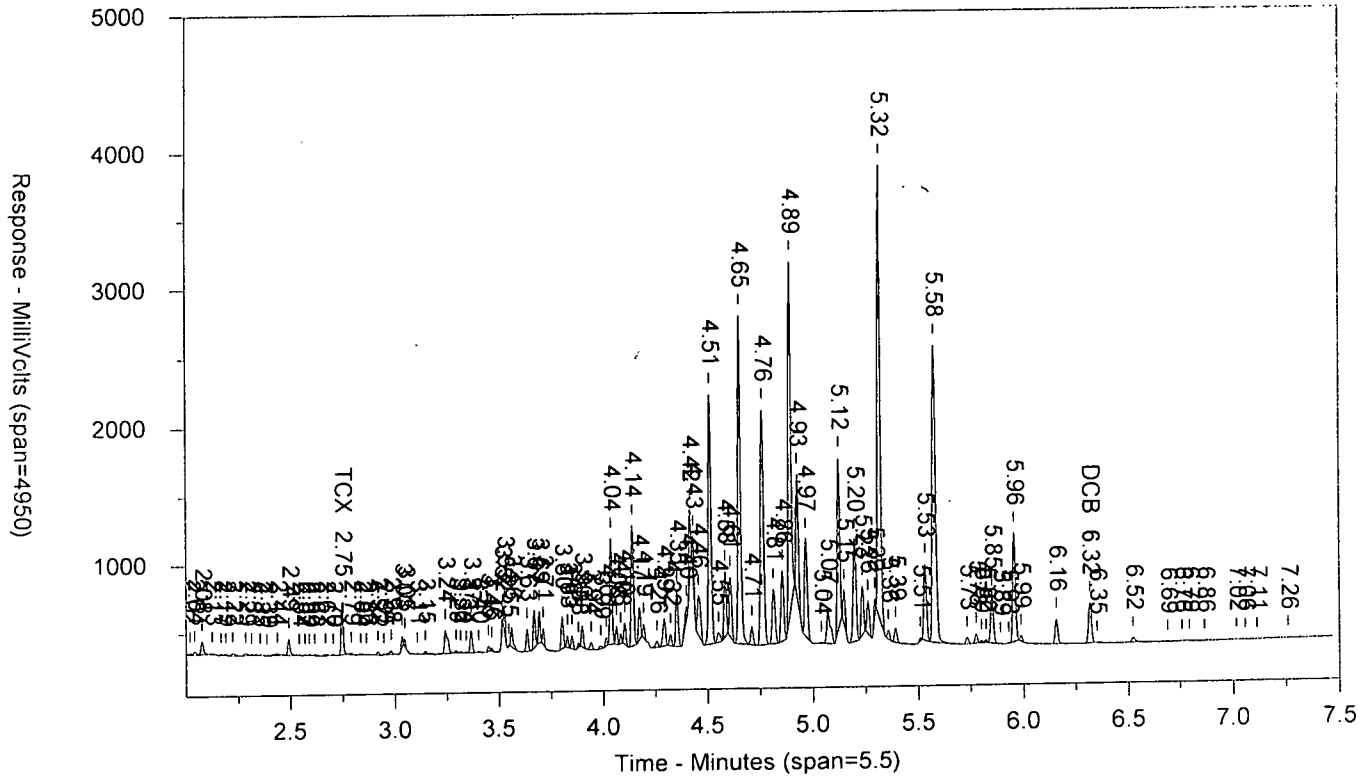

LANCASTER LABORATORIES

Sample Number: 9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:53:10 AM
Sample Weight: 10.16
Dilution Factor: 200
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	662903	20.551	TCX	2.746	376134	24.392	TCX
6.751	361816	27.906	DCB	6.317	293196	25.014	DCB

Files:
Area File: 07pcbs17292004.0074.RAW
Area File: 07pcbs17292004B.0074.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 11:01:50 AM
File Reported On: 10/25/2017 at 11:02:12 AM

9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 80

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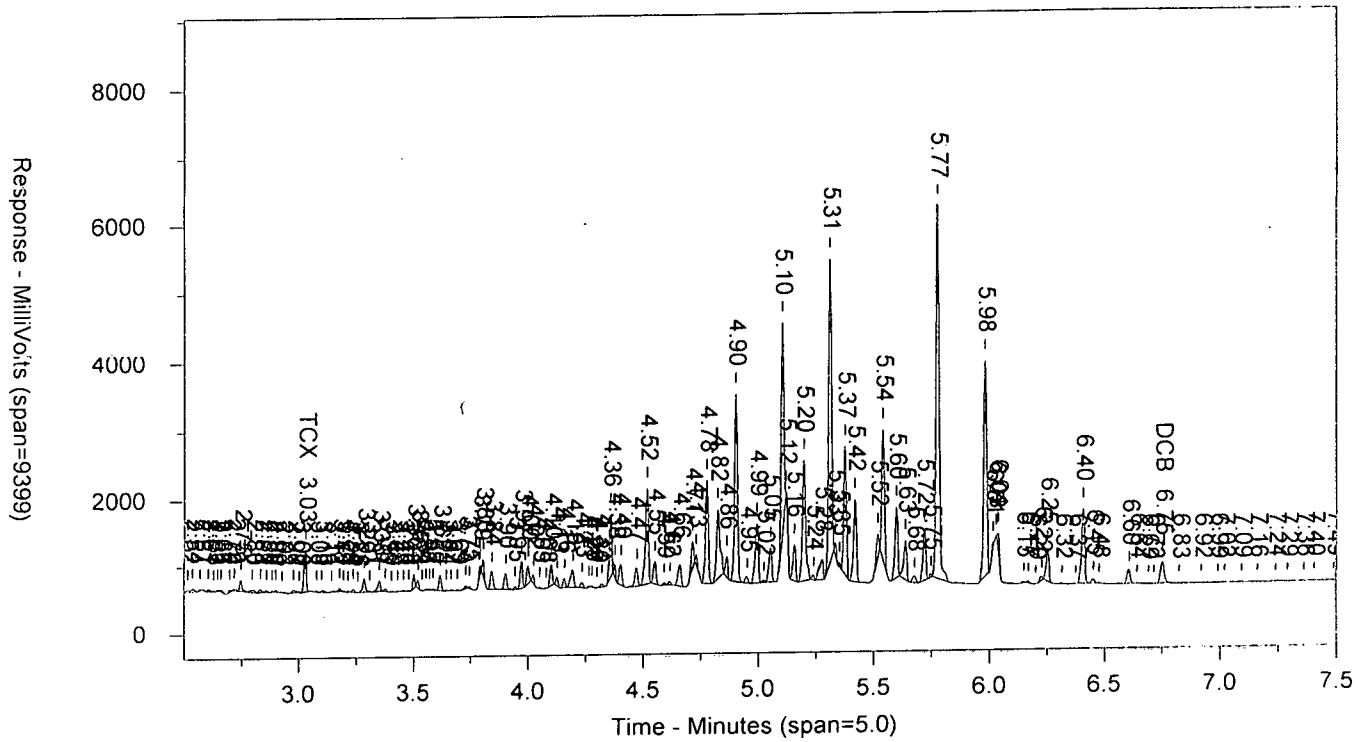

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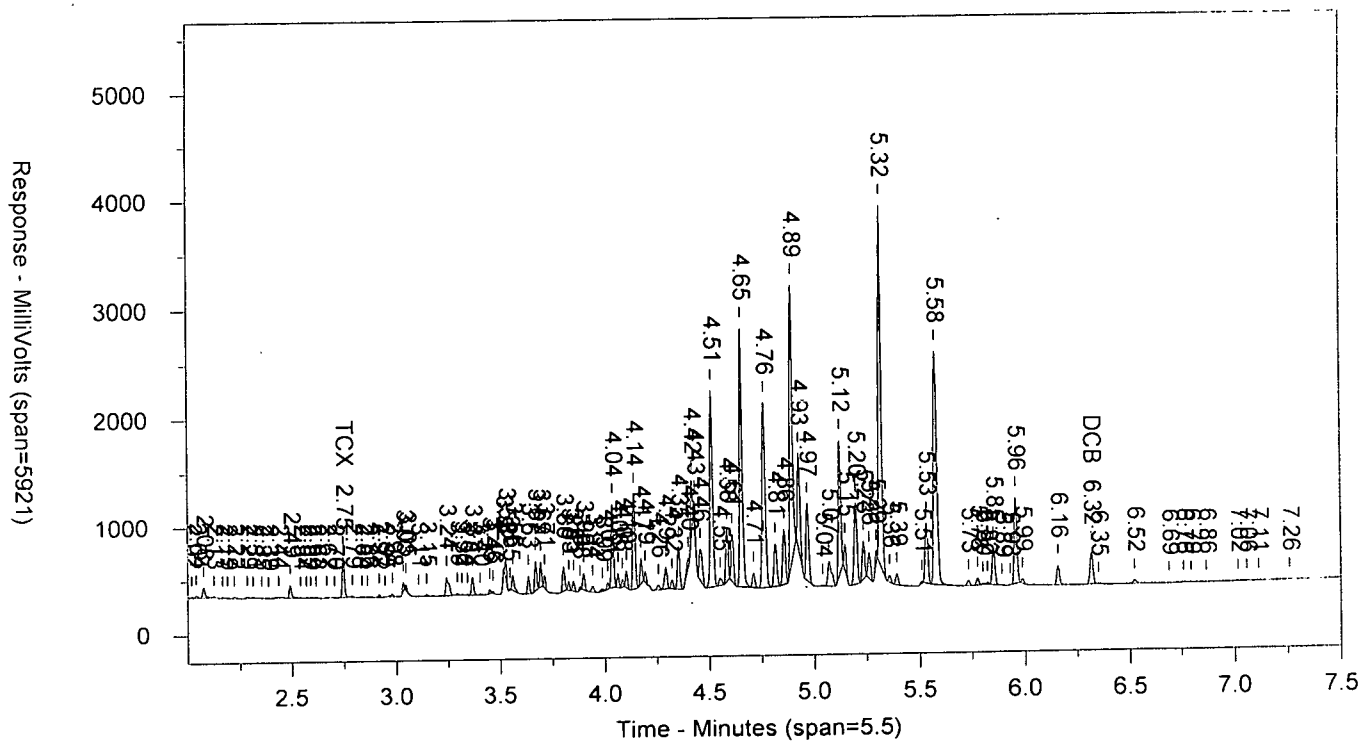

9229534MSD ACF DF20AC03A05 MSD 172850029A 10225 SW-846 80

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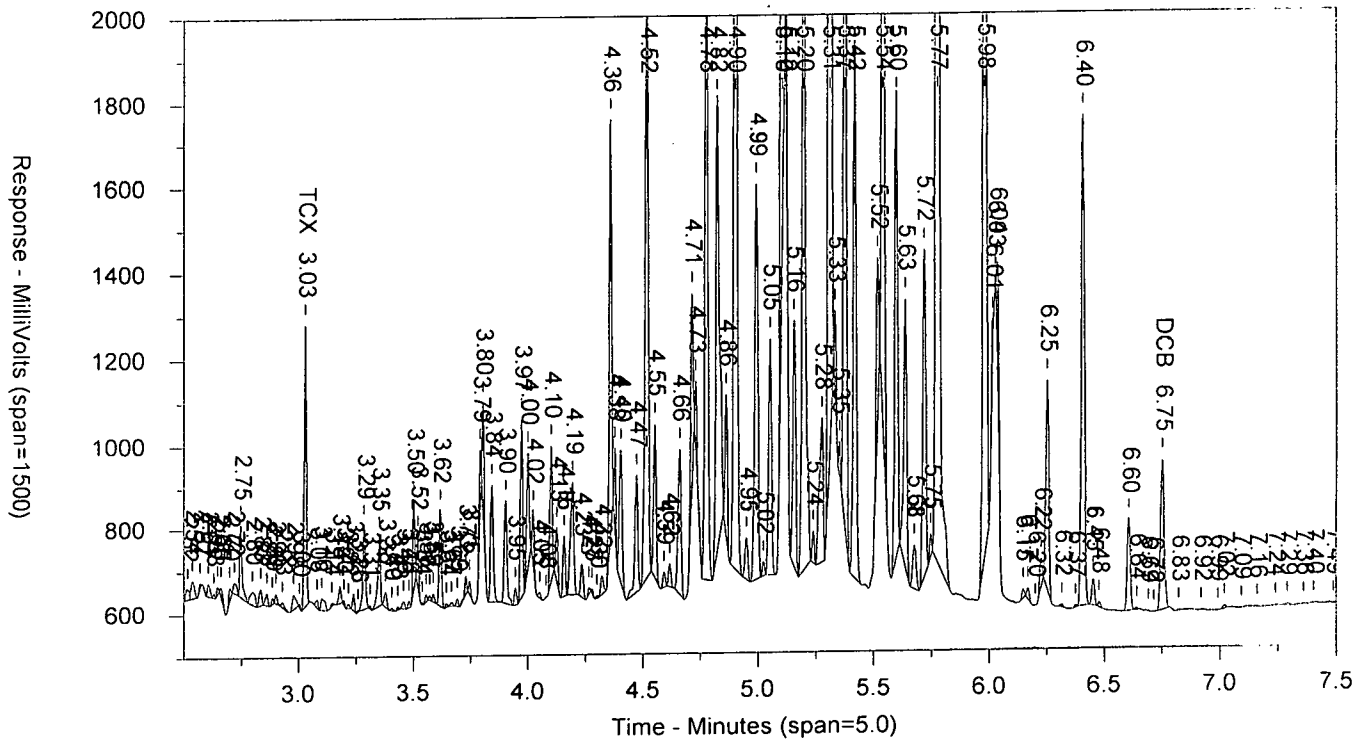

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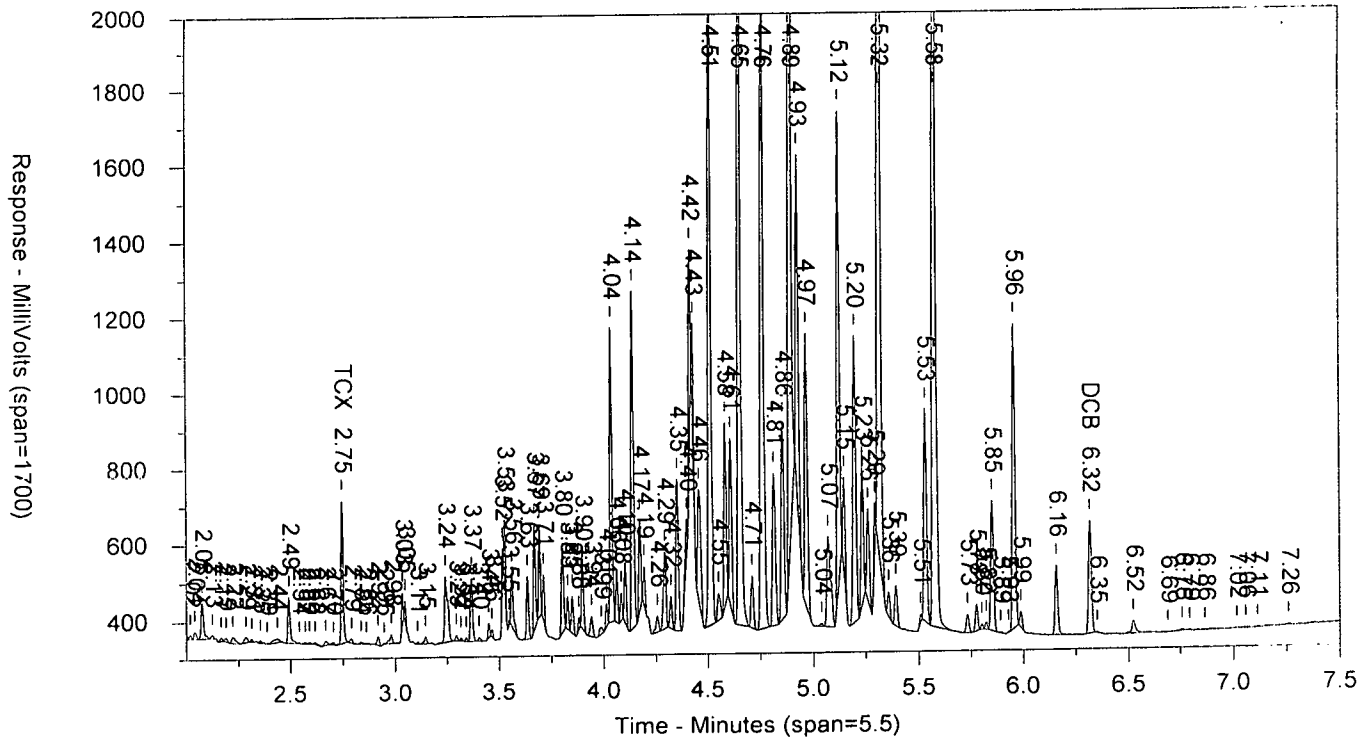

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Data Summary

Sample Name: LCSA 10/15/17 ACF LCS29285 LCS Sample ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:18:48
Instrument	19843A
Result file	07PCBS17292004.0071.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 111% (61 - 152) Conc: 33.87783
%SSR(DCB) 120% (48 - 164) Conc: 32.49377

Analysis Report (B)

Injected on	Oct 25, 2017 10:18:48
Instrument	19843B
Result file	07PCBS17292004B.0071.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 114% (61 - 152) Conc: 34.7252
%SSR(DCB) 119% (48 - 164) Conc: 32.3233

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	21510930	33.87783
Decachlorobiphenyl	6.72	6.75	6.78	8293247	32.49377

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	10540780	34.7252
Decachlorobiphenyl	6.29	6.32	6.35	7458206	32.3233

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	34.7252				2.47	
☐ Tetrachloro-m-xylene-D1	A	33.87783					
☐ Tetrachloro-m-xylene-D2	B	34.7252					
☐ Decachlorobiphenyl	A	32.49377				0.53	
☐ Decachlorobiphenyl-D1	A	32.49377					
☐ Decachlorobiphenyl-D2	B	32.3233					

Multiple Component Data

Aroclor-1016 %RSD 6.30

Min	RT	Max	Height	Amount	Pks	Peak
3.27	3.29	3.31	4693418	468.640479		1
3.48	3.50	3.52	5155350	495.34079		2
3.60	3.62	3.64	5876753	489.678631		3
3.82	3.84	3.86	7007306	501.329279		4
3.88	3.90	3.92	6308220	539.710588		5
4.08	4.10	4.12	4800170	553.074658		6

Height summation: **33841217**
Concentration CF: **507.962404** L:

Aroclor-1016 %RSD 6.09

Min	RT	Max	Height	Amount	Pks	Peak
3.02	3.03	3.06	2562543	478.324323		1
3.35	3.37	3.39	3206072	493.746498		2
3.54	3.56	3.58	3453272	533.233124		3
3.62	3.63	3.66	3744294	555.905681		4
3.68	3.69	3.72	2544170	500.549314		5
3.79	3.80	3.83	3089509	546.964526		6

Height summation: **18599860**
Concentration CF: **518.120578** L:

Aroclor-1260 %RSD 4.08

Min	RT	Max	Height	Amount	Pks	Peak
4.88	4.90	4.92	9933963	559.201303		1
5.29	5.31	5.33	14187610	607.755252		2
5.36	5.37	5.40	6643225	562.258584		3
5.52	5.54	5.56	7046914	576.460185		4
5.76	5.77	5.80	17158070	589.998924		5
5.96	5.98	6.00	9700300	542.620797		6

Height summation: **64670082**
Concentration CF: **573.049174** L:

Aroclor-1260 %RSD 6.47

Min	RT	Max	Height	Amount	Pks	Peak
4.64	4.65	4.68	7956642	590.253286		1
4.75	4.76	4.78	6554640	559.306683		2
4.88	4.89	4.92	8315480	622.537638		3
5.11	5.12	5.15	4494772	512.861663		4
5.30	5.32	5.34	11339620	555.002991		5
5.56	5.58	5.60	7862317	571.540883		6

Height summation: **46523471**
Concentration CF: **568.583857** L:

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:10

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Data Summary

Sample Name: LCSA 10/15/17 ACF LCS29285 LCS Sample ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 25, 2017 10:18:48
Instrument	19843A
Result file	07PCBS17292004.0071.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 25, 2017 10:18:48
Instrument	19843B
Result file	07PCBS17292004B.0071.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	507.962404	51	9.9		1.98	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	A	573.049174	51	11.7		0.78	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1081.011578	51	9.9				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/26/2017 15:19:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/15/17 ACF LCS29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0071.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 111% (61-152) Conc.: 33.87783 Pass
%SSR(DCB) : 120% (48-164) Conc.: 32.49377

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.30	
3.27	3.29	3.31	4693418	468.640479			1
3.48	3.50	3.52	5155350	495.34079			2
+ 3.48	3.52	3.52	2134608	205.099249			2
3.60	3.62	3.64	5876753	489.678631			3
3.82	3.84	3.86	7007306	501.329279			4
3.88	3.90	3.92	6308220	539.710588			5
4.08	4.10	4.12	4800170	553.074658			6
Height Summation:			33841217				
Amount Avg CF:			507.962404	Linear:			
Aroclor-1221					3	31.63	
3.16	3.18	3.20	776721.8	151.472537			1
E 3.22	3.24	3.26	1050543	237.635079			2
E 3.27	3.29	3.31	4693418	294.651747			3
Height Summation:			6520682.8				
Amount Avg CF:			227.919788	Linear:			
Aroclor-1232					6	32.85	
E 3.26	3.29	3.30	4693418	384.702306			1
E 3.48	3.50	3.52	5155350	1067.408722			2
E+ 3.48	3.52	3.52	2134608	441.967897			2
E 3.60	3.62	3.64	5876753	1045.031152			3
E 3.82	3.84	3.86	7007306	1018.523705			4
E 3.88	3.90	3.92	6308220	1216.945811			5
E 4.08	4.10	4.12	4800170	1351.484944			6
Height Summation:			33841217				
Amount Avg CF:			1014.016107	Linear:			
Aroclor-1242					6	10.43	
3.27	3.29	3.31	4693418	547.010095			1
3.48	3.50	3.52	5155350	596.955882			2
+ 3.48	3.52	3.52	2134608	247.173674			2
3.60	3.62	3.64	5876753	587.815239			3
3.82	3.84	3.86	7007306	581.67578			4
3.88	3.90	3.92	6308220	698.617985			5
4.08	4.10	4.12	4800170	699.285428			6
Height Summation:			33841217				
Amount Avg CF:			618.560068	Linear:			
Aroclor-1248					6	44.18	
3.82	3.84	3.86	7007306	913.778243			1
3.88	3.90	3.92	6308220	984.318023			2
3.95	3.97	3.99	4257912	389.763024			3
4.08	4.10	4.12	4800170	392.648069			4
4.17	4.19	4.21	4976218	488.195058			5
4.36	4.36	4.40	4678352	477.721241			6
+ 4.36	4.38	4.40	1137997	116.204454			6
Height Summation:			32028178				
Amount Avg CF:			607.737276	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0071.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 114% (61-152) Conc.: 34.7252
%SSR(DCB) : 119% (48-164) Conc.: 32.3233

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.09	
3.02	3.03	3.06	2562543	478.324323			1
3.35	3.37	3.39	3206072	493.746498			2
+ 3.54	3.55	3.58	44755.91	6.910934			3
3.54	3.56	3.58	3453272	533.233124			3
3.62	3.63	3.66	3744294	555.905681			4
3.68	3.69	3.72	2544170	500.549314			5
+ 3.68	3.71	3.72	686081.1	134.982106			5
3.79	3.80	3.83	3089509	546.964526			6
Height Summation:			18599860				
Amount Avg CF:			518.120578	Linear:			
Aroclor-1221					3	48.39	
2.90	2.92	2.94	463918.6	147.574024			1
+ 2.96	2.97	3.00	51993.73	28.615206			2
2.96	2.98	3.00	272228.4	149.823293			2
E 3.02	3.03	3.06	2562543	321.625634			3
Height Summation:			3298690				
Amount Avg CF:			206.340984	Linear:			
Aroclor-1232					6	32.66	
E 3.02	3.03	3.06	2562543	406.654072			1
E 3.35	3.37	3.39	3206072	1061.553667			2
+ 3.54	3.55	3.58	44755.91	14.500137			3
E 3.54	3.56	3.58	3453272	1118.800139			3
E 3.62	3.63	3.66	3744294	1274.483493			4
E 3.68	3.69	3.72	2544170	1354.776333			5
E+ 3.68	3.71	3.72	686081.1	365.339752			5
E 3.79	3.80	3.83	3089509	1345.916476			6
Height Summation:			18599860				
Amount Avg CF:			1093.697363	Linear:			
Aroclor-1242					6	8.04	
3.02	3.03	3.06	2562543	556.01244			1
3.35	3.37	3.39	3206072	583.963247			2
+ 3.54	3.55	3.58	44755.91	7.850405			3
3.54	3.56	3.58	3453272	605.720742			3
3.62	3.63	3.66	3744294	685.622615			4
3.68	3.69	3.72	2544170	645.109814			5
+ 3.68	3.71	3.72	686081.1	173.965439			5
3.79	3.80	3.83	3089509	666.12708			6
Height Summation:			18599860				
Amount Avg CF:			623.759323	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/15/17 ACF LCS29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0071.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**103.31**	
+ 4.69	4.71	4.73	621023.3	51.936582			1
4.69	4.73	4.73	1038969	86.889652			1
4.76	4.77	4.80	2948326	124.373209			2
E 4.88	4.90	4.92	9933963	1376.23137			3
4.97	4.99	5.01	1559222	100.819264			4
5.17	5.20	5.21	5813123	480.730166			5
5.29	5.31	5.33	14187610	919.227845			6
Height Summation:			**35481213**				
Amount Avg CF:			**514.711918**	Linear:			
Aroclor-1260					**6**	**4.08**	
4.88	4.90	4.92	9933963	559.201303			1
5.29	5.31	5.33	14187610	607.755252			2
5.36	5.37	5.40	6643225	562.258584			3
5.52	5.54	5.56	7046914	576.460185			4
5.76	5.77	5.80	17158070	589.998924			5
5.96	5.98	6.00	9700300	542.620797			6
Height Summation:			**64670082**				
Amount Avg CF:			**573.049174**	Linear:			
Aroclor-1262					**6**	**24.53**	
E 5.35	5.37	5.39	6643225	347.777372			1
E 5.52	5.54	5.56	7046914	428.81717			2
E 5.75	5.77	5.79	17158070	500.595054			3
E 5.96	5.98	6.00	9700300	436.174531			4
E 6.01	6.03	6.05	2625464	250.19169			5
E 6.38	6.40	6.42	3523591	308.119145			6
Height Summation:			**46697564**				
Amount Avg CF:			**378.612494**	Linear:			
Aroclor-1268					**6**	**116.51**	
E 5.96	5.98	5.99	9700300	234.200715			1
6.01	6.03	6.05	2625464	73.992238			2
6.15	6.17	6.19	222998.5	6.820755			3
6.21	6.23	6.25	181343.8	20.734154			4
E 6.38	6.40	6.42	3523591	273.144166			5
6.58	6.61	6.62	870774.8	8.706691			6
Height Summation:			**17124472.1**				
Amount Avg CF:			**102.93312**	Linear:			

Analysis Report (B)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0071.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**50.29**	
+ 3.54	3.55	3.58	44755.91	14.113684			1
E 3.54	3.56	3.58	3453272	1088.982208			1
E 3.62	3.63	3.66	3744294	973.453966			2
3.68	3.69	3.72	2544170	449.723709			3
+ 3.68	3.71	3.72	686081.1	121.276069			3
3.79	3.80	3.83	3089509	393.744862			4
3.88	3.90	3.92	2418190	509.661792			5
4.02	4.04	4.06	3601723	364.443461			6
Height Summation:			**18851158**				
Amount Avg CF:			**630.001666**	Linear:			
Aroclor-1254					**6**	**97.93**	
4.34	4.35	4.38	767382.6	92.247336			1
+ 4.40	4.42	4.44	380193.1	26.329896			2
4.40	4.43	4.44	1753965	121.469108			2
E 4.50	4.51	4.54	6579546	942.046139			3
4.57	4.58	4.61	647856.3	72.419519			4
E 4.64	4.65	4.68	7956642	1398.672656			5
4.88	4.89	4.92	8315480	780.359143			6
Height Summation:			**26020871.9**				
Amount Avg CF:			**567.868983**	Linear:			
Aroclor-1260					**6**	**6.47**	
4.64	4.65	4.68	7956642	590.253286			1
4.75	4.76	4.78	6554640	559.306683			2
4.88	4.89	4.92	8315480	622.537638			3
5.11	5.12	5.15	4494772	512.861663			4
+ 5.11	5.15	5.15	531283.8	60.620448			4
5.30	5.32	5.34	11339620	555.002991			5
5.56	5.58	5.60	7862317	571.540883			6
Height Summation:			**46523471**				
Amount Avg CF:			**568.583857**	Linear:			
Aroclor-1262					**6**	**30.01**	
E 4.91	4.93	4.95	3275656	258.937289			1
E 5.11	5.12	5.15	4494772	338.477233			2
E 5.30	5.32	5.34	11339620	457.607737			3
E 5.52	5.53	5.56	2081007	218.577279			4
E 5.56	5.58	5.60	7862317	457.529538			5
E 5.94	5.96	5.98	2760613	292.02925			6
Height Summation:			**31813985**				
Amount Avg CF:			**337.193054**	Linear:			
Aroclor-1268					**6**	**117.53**	
5.52	5.53	5.56	2081007	70.108739			1
E 5.56	5.58	5.60	7862317	260.202867			2
5.72	5.73	5.76	179770	6.950804			3
5.79	5.80	5.82	146664	21.689537			4
E 5.94	5.96	5.98	2760613	266.918094			5
6.14	6.16	6.18	762686.9	8.913831			6
Height Summation:			**13793057.9**				
Amount Avg CF:			**105.797312**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/15/17 ACF LCS29285 ID: AB **Batchnumber: 172850029A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843A
Result file : 07PCBS17292004.0071.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 25, 2017 10:18:48
Instrument : CP 7--19843B
Result file : 07PCBS17292004B.0071.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		1.98	4	40	
Aroclor-1221			51	15.3	E	9.94	3	40	
Aroclor-1232			51	12.3	E	7.56	4	40	
Aroclor-1242			51	12.3		0.84	4	40	
Aroclor-1248			51	9.9		3.60	4	40	
Aroclor-1254			51	13.2	E	9.82	4	40	
Aroclor-1260			51	11.7		0.78	4	40	
Aroclor-1262			51	9.9	E	11.57	4	40	
Aroclor-1268			51	9.9	E	2.74	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:18:48 AM 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: 07pcbs17292004.0071.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.512		1239190	1118860
1.556		891242	791757
1.581		187246	116474
1.611		407789	451097
1.658		759247	626192
1.678		2622824	3028461
1.723		836283	1419142
1.759		670916	681562
1.789		566442	558831
1.818		793786	924305
1.842		476685	490491
1.878		998979	893250
1.892		514290	476257
1.927		278460	277919
1.963		633046	591169
1.999		230328	211213
2.02		180696	139864
2.051		218694	225712
2.064		138552	77272
2.082		235229	165006
2.099		266681	254334
2.13		203738	308367
2.159		135297	94424
2.177		495110	447598
2.198		362923	298324
2.224		2492289	1819214
2.242		221113	137496
2.254		219788	190692
2.289		260555	335937
2.313		277260	286103
2.335		320805	274836
2.358		56552	30232
2.386		119259	136941
2.407		65907	50647
2.427		51023	43000
2.461		89454	107168
2.485		2384061	1525203
2.515		51218	43496
2.533		195437	262621
2.575		225612	198320
2.601		191648	159003
2.633		48196	27835
2.66		127021	87853
2.689		110710	106632
2.714		139292	119615
2.747		96479	56168
2.767		43724	23876
2.781		13212	4951
2.8		62549	35379
2.816		34128	15991
2.845		307746	247167
2.871		21415	11953
2.896		77446	73360

RT A	Compound A	Height A	Area A
2.927		14041	8111
2.955		29609	18788
2.973		50292	48620
3.029	TCX	21510930	14320460
3.095		16707	6784
3.118		10366	5681
3.129		12358	7347
3.179		776722	623629
3.201		6862	3896
3.237		1050543	801572
3.259		22845	12251
3.286		4693419	3049864
3.312		28292	23829
3.348		25066	19526
3.363		16603	7791
3.379		523939	337218
3.408		24195	12580
3.423		58899	61677
3.459		64170	85597
3.502		5155351	3130884
3.518		2134609	1099460
3.556		549220	300022
3.572		186382	80099
3.586		293184	151966
3.618		5876753	4210737
3.654		36740	22219
3.695		418097	326545
3.729		1361942	801267
3.745		696889	358446
3.767		109290	54490
3.791		3329932	1783267
3.803		7092904	3700678
3.842		7007306	5293359
3.872		13378	6538
3.903		6308220	4733543
3.944		422214	288385
3.972		4257912	3059537
3.999		3217129	2664520
4.023		912342	498174
4.075		4497	1608
4.1		4800170	3361896
4.125		1744585	1122304
4.157		1803047	1278092
4.193		4976218	4785772
4.234		1390231	1104585
4.264		3806	961
4.281		174808	130968
4.322		241117	185924
4.357		4678352	3483826
4.377		1137997	637381
4.401		1227846	932822
4.472		665711	544353
4.516		4778345	4345960
4.55		122398	83420
4.615		42094	33527
4.658		418474	410724
4.712		621023	398257
4.728		1038969	675298
4.774		2948326	2571300
4.822		4316371	4664040
4.861		1014066	727098
4.901		9933963	9063328
4.944		36679	34130
4.991		1559222	1588279
5.024		98090	63074
5.051		1572781	1443727

RT A	Compound A	Height A	Area A
5.104		11349020	14113010
5.155		2068657	1854969
5.195		5813123	6047168
5.238		67938	36830
5.275		1002233	1213267
5.31		14187610	12452650
5.332		665726	312626
5.35		132679	52478
5.375		6643225	5813395
5.418		4138633	3826407
5.515		1088887	916244
5.539		7046914	5821995
5.595		3550578	3084898
5.634		1901000	1764810
5.676		359891	341930
5.718		2516629	2404684
5.774		17158070	17909140
5.98		9700300	9177121
6.034		2625464	4808203
6.168		222999	207175
6.227		181344	145300
6.251		1456222	1248947
6.316		2827	4591
6.404		3523591	3386561
6.449		191277	163034
6.606		870775	847740
6.751	DCB	8293247	8387317
7.157		1374	748
7.379		1352	733
7.754		1335	363
7.869		1336	939
8.022		1441	752
8.221		1460	796
8.39		1139	1026
8.415		1603	456
8.468		1732	477

LANCASTER LABORATORIES

Sample Number: LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:18:48 AM 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, 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: 07pcbs17292004B.0071.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.531		123338	132295
1.559		54614	23935
1.579		153384	184282
1.601		73863	67307
1.638		133551	191102
1.663		107867	67085
1.679		153105	121978
1.697		398655	395763
1.717		187629	233630
1.772		140828	200880
1.799		42850	39612
1.821		17226	11994
1.874		192209	273604
1.918		107036	138677
1.944		21382	14329
1.964		52832	41563
1.991		1090566	1011175
2.029		65434	67825
2.05		52002	45324
2.094		72411	68496
2.127		59613	44049
2.152		110939	88233
2.181		16551	11541
2.204		16693	8393
2.236		944545	679436
2.263		39843	24015
2.283		22975	14022
2.307		61521	39114
2.325		119541	84556
2.36		45466	30689
2.392		30107	24890
2.41		7318	3203
2.437		61530	58142
2.461		13537	7846
2.475		19486	9483
2.496		53717	41527
2.524		40139	26764
2.561		191376	150122
2.585		19155	13733
2.615		31333	20476
2.638		15603	8139
2.664		27181	14091
2.681		19706	10923
2.697		23279	12415
2.722		18316	12473
2.746	TCX	10540780	7274137
2.789		198691	187990
2.827		6590	3157
2.841		27825	21912
2.868		23138	18273
2.888		8142	4141
2.918		463919	335721
2.948		6200	2790
2.967		51994	24400

2.98	272228	166097
3.012	3675	1577
3.034	2562543	1855739
3.085	57138	64910
3.146	299132	246785
3.173	9545	6471
3.197	8072	4491
3.217	8382	5724
3.242	3146942	3421158
3.294	348905	246803
3.316	148144	88525
3.343	184979	101770
3.366	3206072	2459220
3.402	87864	51725
3.449	712514	393627
3.464	398269	200207
3.516	1183608	729171
3.525	3735114	1843430
3.545	44756	12521
3.559	3453272	2597688
3.634	3744294	2616377
3.668	2467357	1594922
3.692	2544170	1536671
3.711	686081	382027
3.802	3089509	2267445
3.826	1031229	610535
3.848	983824	663914
3.88	562662	307533
3.897	2418190	1659422
3.941	886984	713583
3.989	128996	116082
4.013	594065	385370
4.035	3601723	2572704
4.062	632980	410388
4.083	74044	33922
4.102	385256	260940
4.139	2929309	2290238
4.175	111435	71546
4.192	208385	160360
4.256	26206	24918
4.291	231560	252474
4.351	767383	631537
4.398	528419	326319
4.416	380193	239269
4.429	1753965	1111265
4.457	1129654	1157790
4.51	6579547	5601450
4.559	83279	65900
4.583	647856	460891
4.608	1422029	1120090
4.652	7956643	6885673
4.761	6554640	6510738
4.817	720882	671393
4.855	1652098	1521548
4.893	8315480	7361921
4.927	3275657	2572844
4.966	2514810	2142919
5.032	18289	20605
5.071	826787	949104
5.123	4494772	3775327
5.147	531284	336750
5.197	2336922	2262864
5.233	1150799	938472
5.261	751325	667814
5.294	275326	175554
5.316	11339620	9801079
5.357	208656	160738

5.392		375137	338103
5.435		7423	14674
5.509		86460	57233
5.532		2081007	1801971
5.577		7862317	8592286
5.694		5529	3480
5.733		179770	176026
5.775		192009	156138
5.802		146664	117017
5.85		1250697	1169160
5.955		2760613	2547698
5.987		140437	107810
6.155		762687	731294
6.315	DCB	7458206	7203336
7.876		993	746
8.298		1179	665
8.403		2397	5262
8.623		2671	3769

LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 808:

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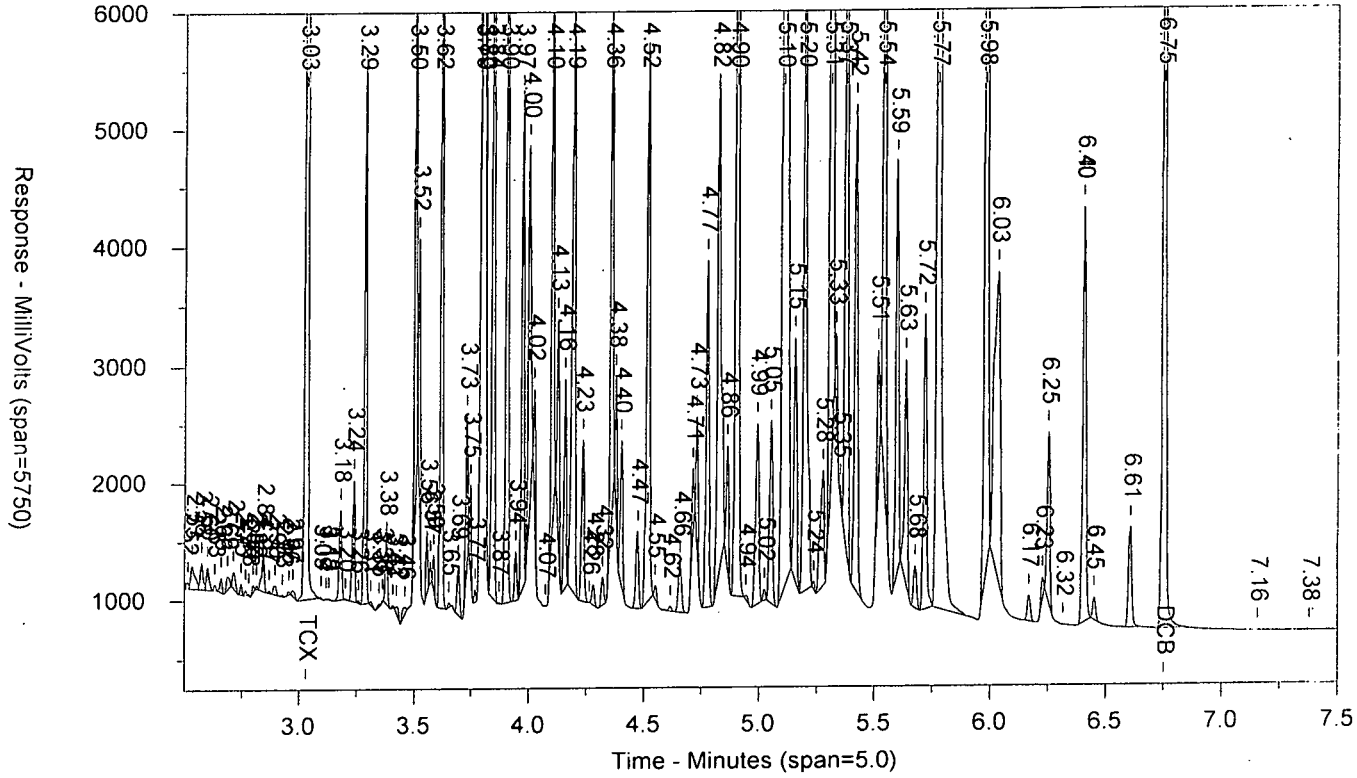

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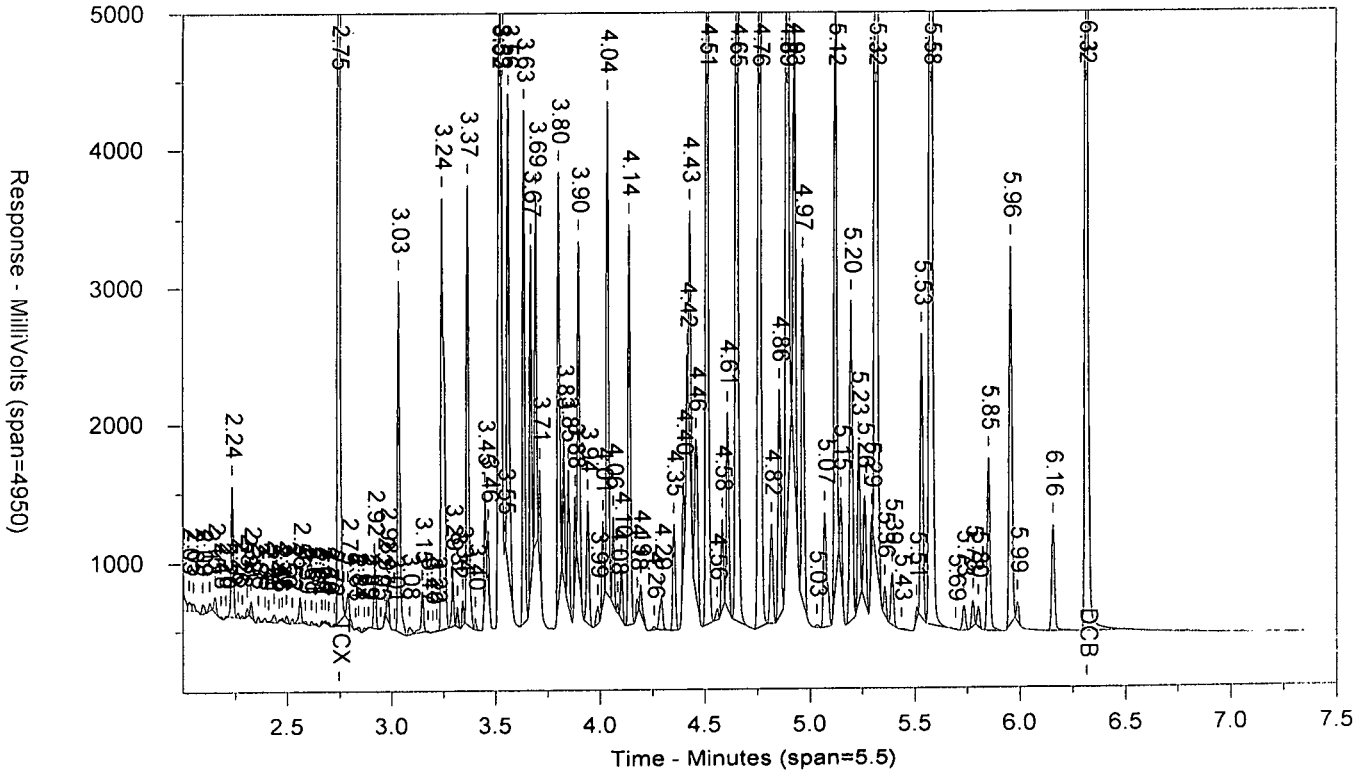

LANCASTER LABORATORIES

Sample Number: LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 8082
Injected On: 10/25/2017 10:18:48 AM
Sample Weight: 10
Dilution Factor: 10
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	21510930	33.878	TCX	2.746	10540780	34.725	TCX
6.751	8293247	32.494	DCB	6.315	7458206	32.323	DCB

Files:
Area File: 07pcbs17292004.0071.RAW
Area File: 07pcbs17292004B.0071.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/25/2017 10:27:27 AM
File Reported On: 10/25/2017 at 10:27:46 AM

LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 808:

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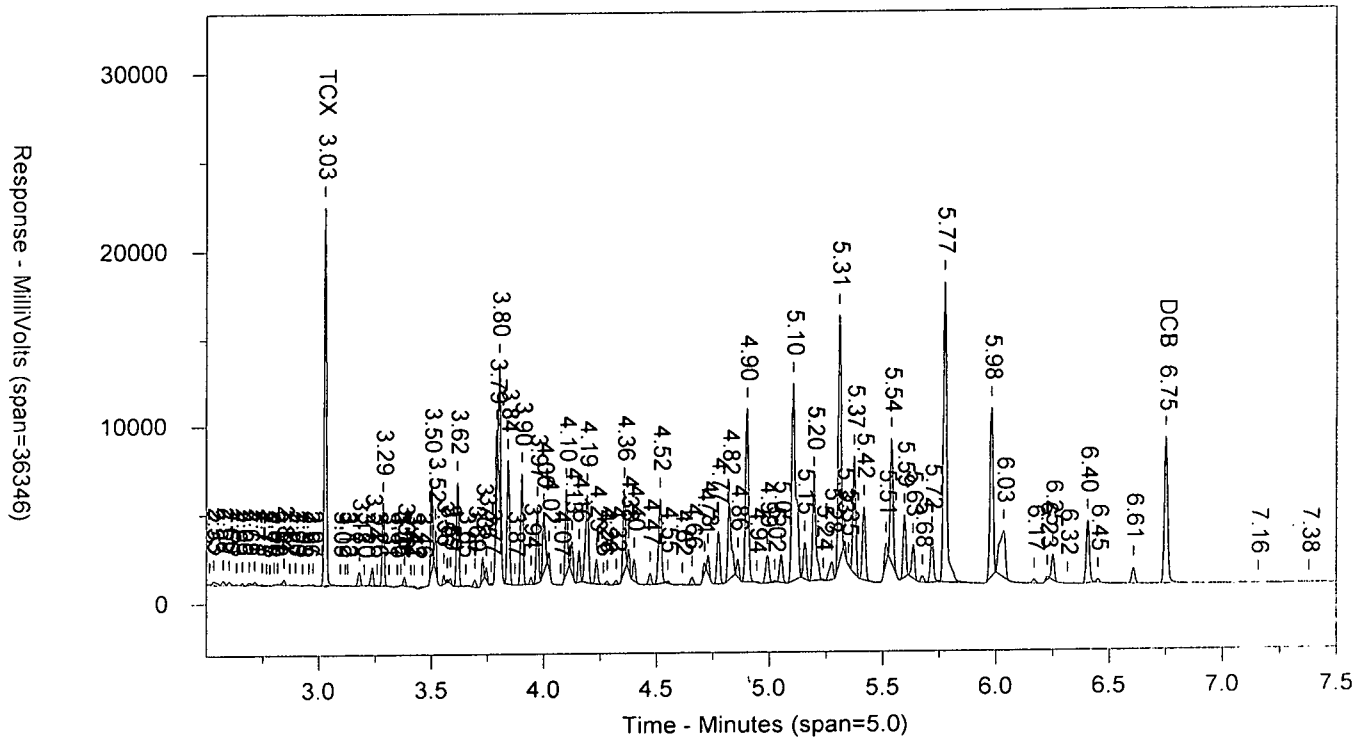

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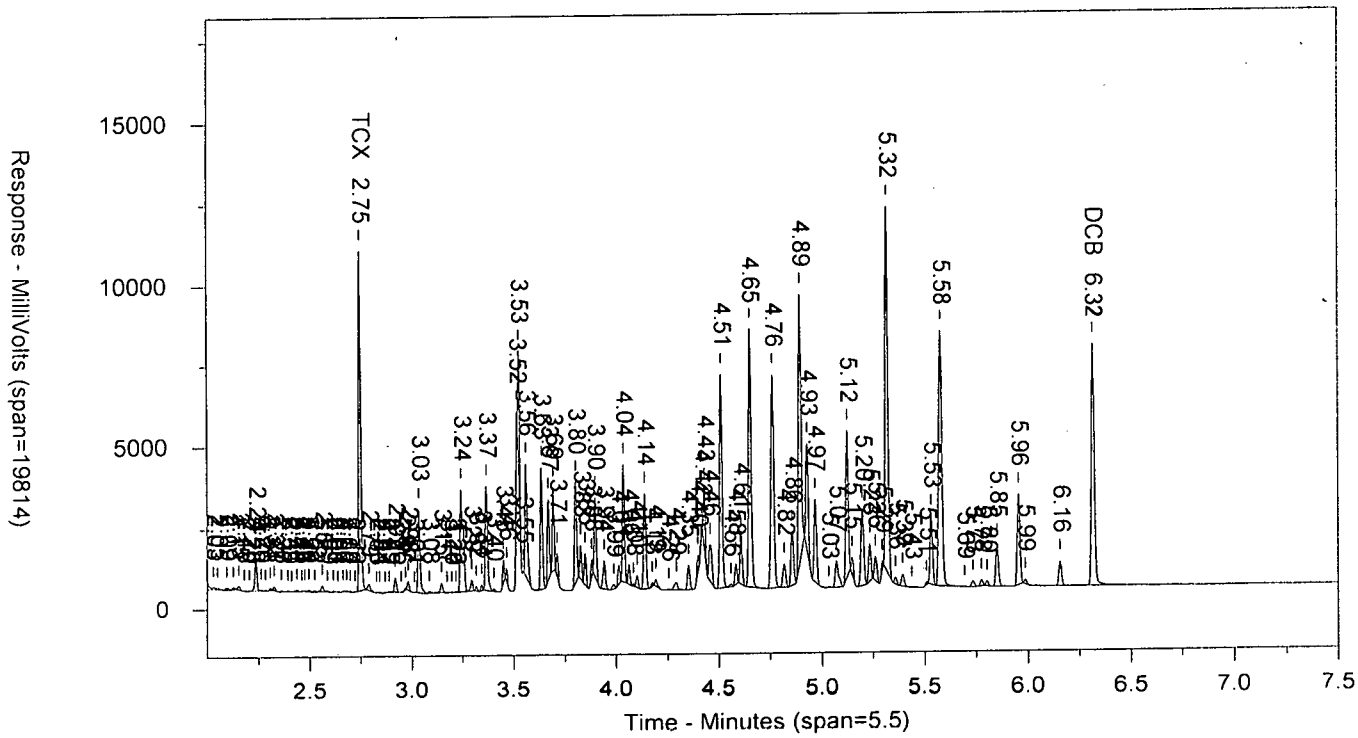

LCSA 10/15/17 ACF ABLCS29285 LCS 172850029A 10225 SW-846 808

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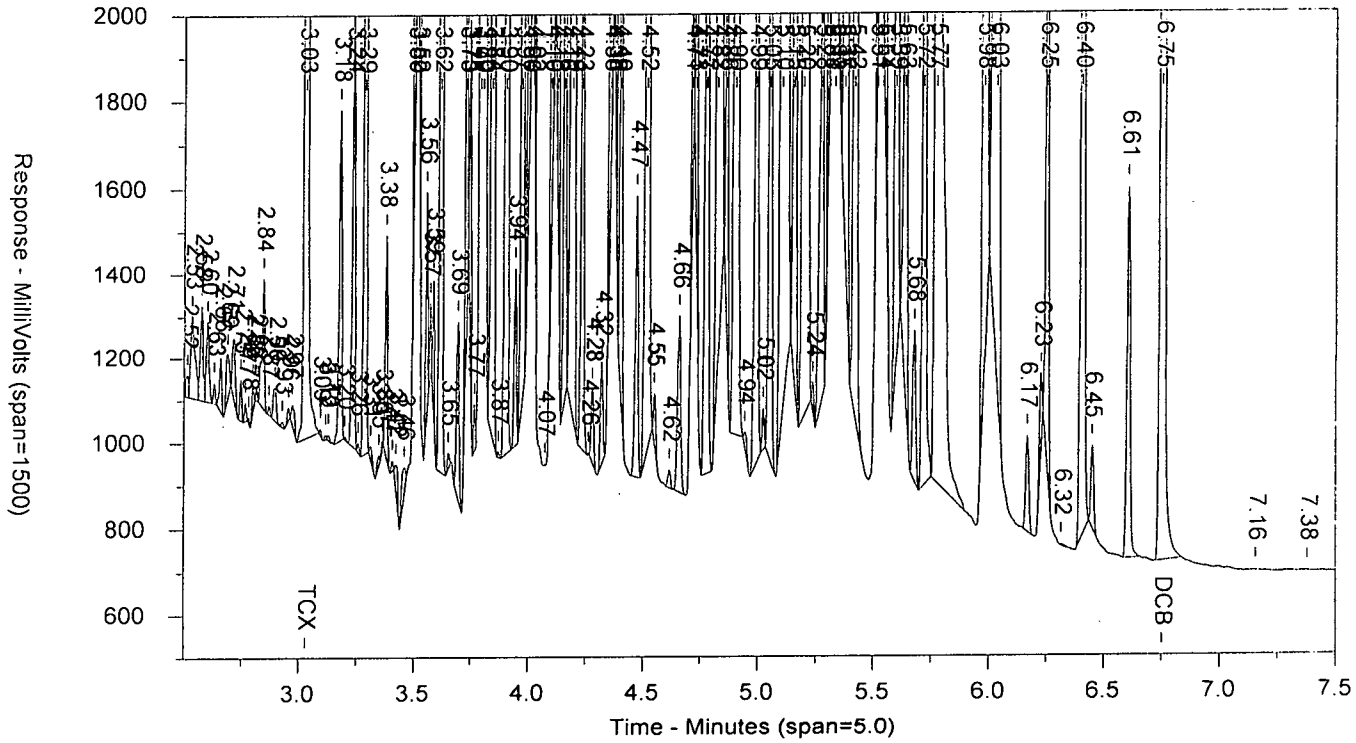

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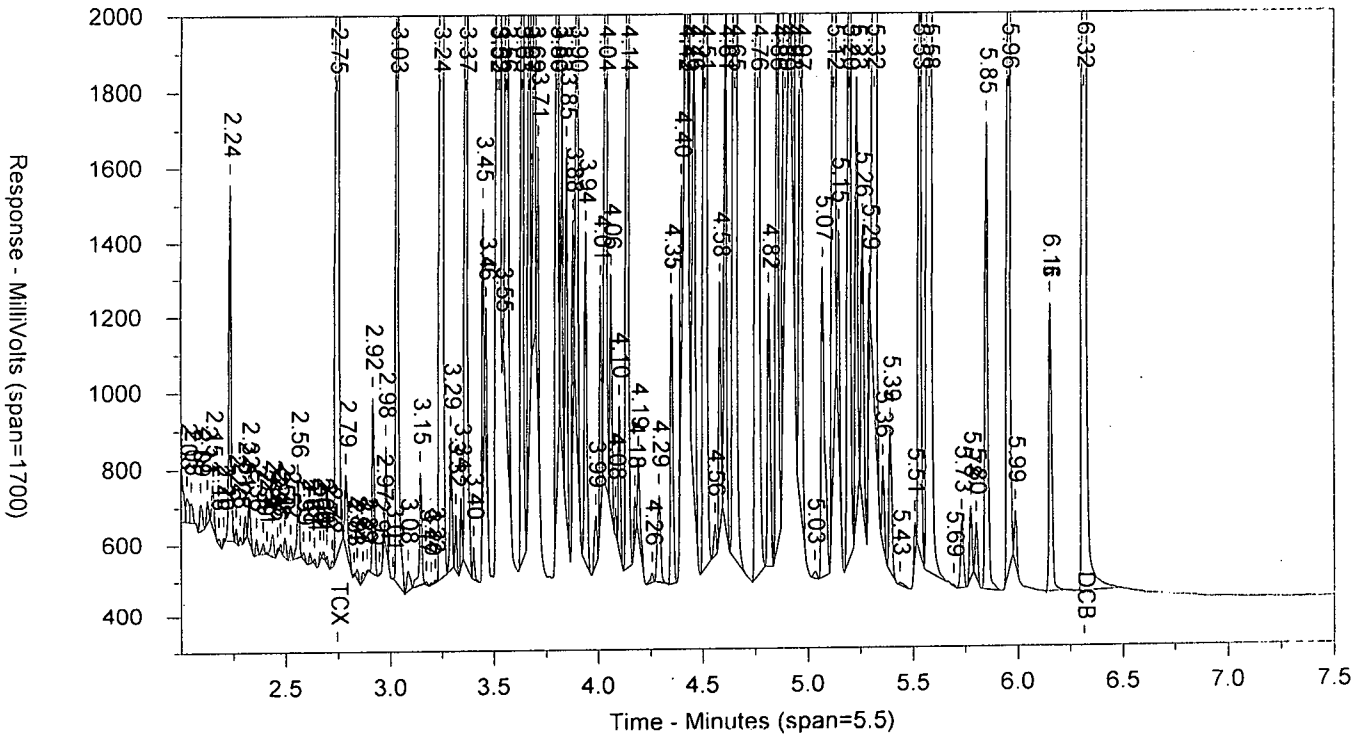

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/14/17 ACF PBLK14286 BLK Sample ID:AB **Batchnumber: 172860014A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:28:28
Instrument	19843A
Result file	07PCBS17292003.0069.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 109% (61 - 152) Conc: 33.16546

%SSR(DCB) 98% (48 - 164) Conc: 26.6027

Analysis Report (B)

Injected on	Oct 24, 2017 08:28:28
Instrument	19843B
Result file	07PCBS17292003B.0069.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 32.74789

%SSR(DCB) 99% (48 - 164) Conc: 26.7428

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	21058610	33.16546
Decachlorobiphenyl	6.72	6.75	6.78	6789696	26.6027

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	9940568	32.74789
Decachlorobiphenyl	6.29	6.32	6.35	6170574	26.7428

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	33.16546				1.27	
Tetrachloro-m-xylene-D1	A	33.16546					
Tetrachloro-m-xylene-D2	B	32.74789					
Decachlorobiphenyl	B	26.7428				0.53	
Decachlorobiphenyl-D1	A	26.6027					
Decachlorobiphenyl-D2	B	26.7428					

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

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:46

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 33.16546
%SSR(DCB) : 98% (48-164) Conc.: 26.6027

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	53.06	
3.27	3.29	3.31	5669.254	0.566078			1
3.48	3.48	3.52	2657.889	0.255378			2
3.60	3.62	3.64	12665.38	1.055339			3
+ 3.60	3.64	3.64	6611.375	0.550891			3
+ 3.82	3.83	3.86	15542.07	1.111939			4
3.82	3.85	3.86	15636.85	1.11872			4
3.88	3.90	3.92	8792.49	0.752257			5
4.08	4.09	4.12	13956.04	1.608012			6
Height Summation:			**59377.903**				
Amount Avg CF:			**0.892631**	Linear:			
Aroclor-1221					3	164.83	
3.16	3.18	3.20	7774.614	1.516168			1
3.22	3.23	3.26	247743.1	56.04002			2
3.27	3.29	3.31	5669.254	0.355915			3
Height Summation:			**261186.968**				
Amount Avg CF:			**19.304034**	Linear:			
Aroclor-1232					6	69.22	
3.26	3.29	3.30	5669.254	0.464688			1
3.48	3.48	3.52	2657.889	0.550313			2
3.60	3.62	3.64	12665.38	2.252216			3
+ 3.82	3.83	3.86	15542.07	2.259066			4
3.82	3.85	3.86	15636.85	2.272842			4
3.88	3.90	3.92	8792.49	1.696197			5
4.08	4.09	4.12	13956.04	3.929315			6
Height Summation:			**59377.903**				
Amount Avg CF:			**1.860928**	Linear:			
Aroclor-1242					6	54.64	
3.27	3.29	3.31	5669.254	0.660742			1
3.48	3.48	3.52	2657.889	0.307766			2
3.60	3.62	3.64	12665.38	1.26684			3
+ 3.60	3.64	3.64	6611.375	0.661295			3
+ 3.82	3.83	3.86	15542.07	1.290146			4
3.82	3.85	3.86	15636.85	1.298013			4
3.88	3.90	3.92	8792.49	0.973744			5
4.08	4.09	4.12	13956.04	2.033106			6
Height Summation:			**59377.903**				
Amount Avg CF:			**1.090035**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 32.74789
%SSR(DCB) : 99% (48-164) Conc.: 26.7428

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	154.48	
3.02	3.04	3.06	5399.154	1.007806			1
3.35	3.38	3.39	63277.5	9.74496			2
3.54	3.57	3.58	5536.646	0.854935			3
3.62	3.64	3.66	6761.986	1.003935			4
3.68	3.68	3.72	5274.831	1.03779			5
3.79	3.80	3.83	2533.564	0.44854			6
Height Summation:			**88783.681**				
Amount Avg CF:			**2.349661**	Linear:			
Aroclor-1221					2	139.02	
2.96	2.97	3.00	144017.9	79.261517			2
+ 2.96	3.00	3.00	10409.42	5.728916			2
3.02	3.04	3.06	5399.154	0.67765			3
Height Summation:			**149417.054**				
Amount Avg CF:			**39.969584**	Linear:			
Aroclor-1232					6	158.23	
3.02	3.04	3.06	5399.154	0.8568			1
3.35	3.38	3.39	63277.5	20.951639			2
3.54	3.57	3.58	5536.646	1.793777			3
3.62	3.64	3.66	6761.986	2.301646			4
3.68	3.68	3.72	5274.831	2.80886			5
3.79	3.80	3.83	2533.564	1.103724			6
Height Summation:			**88783.681**				
Amount Avg CF:			**4.969408**	Linear:			
Aroclor-1242					6	153.11	
3.02	3.04	3.06	5399.154	1.171491			1
3.35	3.38	3.39	63277.5	11.525547			2
3.54	3.57	3.58	5536.646	0.971155			3
3.62	3.64	3.66	6761.986	1.238196			4
3.68	3.68	3.72	5274.831	1.337507			5
3.79	3.80	3.83	2533.564	0.54626			6
Height Summation:			**88783.681**				
Amount Avg CF:			**2.798359**	Linear:			
Aroclor-1248					6	44.70	
3.54	3.57	3.58	5536.646	1.74597			1
3.62	3.64	3.66	6761.986	1.758004			2
3.68	3.68	3.72	5274.831	0.932413			3
3.79	3.80	3.83	2533.564	0.322892			4
+ 3.88	3.88	3.92	7975.844	1.681002			5
3.88	3.91	3.92	8097.348	1.706611			5
+ 4.02	4.02	4.06	2973.321	0.300858			6
4.02	4.04	4.06	12629.45	1.277922			6
Height Summation:			**40833.825**				
Amount Avg CF:			**1.290635**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**5**	**44.85**	
+ 3.82	3.83	3.86	15542.07	2.026743			1
3.82	3.85	3.86	15636.85	2.039102			1
3.88	3.90	3.92	8792.49	1.371957			2
4.08	4.09	4.12	13956.04	1.141587			4
4.17	4.19	4.21	4481.975	0.439707			5
+ 4.36	4.36	4.40	9352.445	0.955008			6
4.36	4.38	4.40	14638.13	1.494746			6
Height Summation:			**57505.485**				
Amount Avg CF:			**1.29742**	Linear:			
Aroclor-1254					**5**	**160.75**	
4.69	4.72	4.73	42617.58	3.564136			1
4.76	4.78	4.80	3928.727	0.165731			2
+ 4.97	4.98	5.01	2634.944	0.170375			4
4.97	4.99	5.01	4948.238	0.319953			4
5.17	5.20	5.21	3456.051	0.285806			5
5.29	5.31	5.33	4091.964	0.265122			6
Height Summation:			**59042.56**				
Amount Avg CF:			**0.92015**	Linear:			
Aroclor-1260					**5**	**64.62**	
5.29	5.31	5.33	4091.964	0.175288			2
5.36	5.38	5.40	5009.517	0.423987			3
5.52	5.54	5.56	2698.577	0.220752			4
5.76	5.77	5.80	1613.913	0.055496			5
5.96	5.98	6.00	8389.738	0.46931			6
Height Summation:			**21803.709**				
Amount Avg CF:			**0.268967**	Linear:			
Aroclor-1262					**6**	**77.21**	
5.35	5.38	5.39	5009.517	0.262252			1
5.52	5.54	5.56	2698.577	0.164213			2
5.75	5.77	5.79	1613.913	0.047087			3
5.96	5.98	6.00	8389.738	0.377245			4
6.01	6.03	6.05	7824.603	0.74564			5
6.38	6.41	6.42	3091.294	0.270317			6
Height Summation:			**28627.642**				
Amount Avg CF:			**0.311126**	Linear:			
Aroclor-1268					**6**	**186.38**	
5.96	5.98	5.99	8389.738	0.202559			1
6.01	6.03	6.05	7824.603	0.220517			2
6.15	6.17	6.19	124657.7	3.812849			3
6.21	6.23	6.25	171162	19.570006			4
6.38	6.41	6.42	3091.294	0.239633			5
6.58	6.61	6.62	72197.68	0.721889			6
Height Summation:			**387323.015**				
Amount Avg CF:			**4.127909**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**2**	**106.30**	
4.40	4.40	4.44	3861.986	0.267458			2
4.50	4.52	4.54	13175.62	1.886459			3
Height Summation:			**17037.606**				
Amount Avg CF:			**1.076958**	Linear:			
Aroclor-1260					**4**	**54.21**	
4.75	4.76	4.78	13341.08	1.138393			2
5.11	5.13	5.15	6171.149	0.704139			4
5.30	5.32	5.34	4382.943	0.214517			5
5.56	5.58	5.60	10084.88	0.733107			6
Height Summation:			**33980.052**				
Amount Avg CF:			**0.697539**	Linear:			
Aroclor-1262					**5**	**39.58**	
4.91	4.95	4.95	5038.252	0.398269			1
5.11	5.13	5.15	6171.149	0.464716			2
5.30	5.32	5.34	4382.943	0.176873			3
5.52	5.54	5.56	3036.591	0.318946			4
5.56	5.58	5.60	10084.88	0.586867			5
Height Summation:			**28713.815**				
Amount Avg CF:			**0.389134**	Linear:			
Aroclor-1268					**5**	**178.66**	
5.52	5.54	5.56	3036.591	0.102302			1
5.56	5.58	5.60	10084.88	0.333758			2
5.72	5.74	5.76	110745.9	4.281989			3
5.79	5.80	5.82	185360.5	27.412203			4
6.14	6.16	6.18	68183.02	0.796883			6
Height Summation:			**377410.891**				
Amount Avg CF:			**6.585427**	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		** 89.88	4	40	
Aroclor-1221			51	15.3		** 69.73	3	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			51	12.3		** 91.02	4	40	
Aroclor-1242			51	12.3		** 87.87	4	40	
Aroclor-1248			51	9.9		0.52	4	40	
Aroclor-1254			51	13.2		15.70	4	40	
Aroclor-1260			51	11.7		** 88.68	4	40	
Aroclor-1262			51	9.9		22.28	4	40	
Aroclor-1268			51	9.9		** 45.88	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM 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: 07PCBS17292003.0069.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.514		5038	2162
1.556		6201	5027
1.583		3634	3053
1.657		145577	257553
1.708		55137	64347
1.758		88532	87604
1.791		147218	129532
1.862		3589	1879
1.928		14454	13039
1.998		10172	9389
2.019		7231	6278
2.082		80332	56486
2.127		11069	7289
2.185		14226	20861
2.224		1446483	999383
2.255		9315	4560
2.294		27256	17184
2.317		25280	19030
2.347		4905	2871
2.41		10283	6783
2.427		11585	8198
2.456		4563	3253
2.485		1231078	783033
2.532		77054	55809
2.567		17841	18183
2.601		244367	157130
2.636		11415	8523
2.668		2625	1879
2.688		59860	40150
2.758		8526	8756
2.8		18806	11688
2.844		189180	179831
2.942		11259	7726
2.974		19431	13990
3.029	TCX	21058610	13530160
3.181		7775	12783
3.206		3934	2673
3.231		247743	157932
3.294		5669	5140
3.34		3519	1434
3.363		40575	30477
3.407		5088	2689
3.428		21470	17651
3.462		17990	31117
3.485		2658	1614
3.537		21357	20640
3.575		30511	26364
3.596		11693	6954
3.618		12665	6917
3.637		6611	3520
3.661		6487	6606
3.698		112852	83631
3.729		14059	13285

RT A	Compound A	Height A	Area A
3.769		101887	84504
3.826		15542	23004
3.848		15637	13879
3.876		3810	2208
3.903		8792	8745
3.928		1059	354
3.939		1142	205
3.944		3845	1693
4.001		1342	977
4.014		2813	1364
4.053		8387	9054
4.093		13956	11035
4.143		921	518
4.186		4482	2414
4.236		8954	7168
4.267		1818	1444
4.3		1570	447
4.309		2240	1205
4.342		2093	934
4.358		9352	7251
4.381		14638	10941
4.406		1831	438
4.514		18584	21946
4.61		4748	3179
4.662		22565	23958
4.716		42618	40738
4.776		3929	3458
4.863		10225	8911
4.948		2927	1981
4.963		1421	343
4.976		2635	1595
4.99		4948	4101
5.029		167161	159262
5.063		5467	5828
5.122		7195	5351
5.158		10868	9723
5.195		3456	2753
5.217		20625	18092
5.271		197876	187882
5.314		4092	2671
5.353		6623	4913
5.381		5010	4719
5.422		2528	3359
5.517		2536	984
5.541		2699	1513
5.594		10567	12087
5.62		4997	3161
5.678		135250	130983
5.773		1614	573
5.8		192192	185515
5.888		3069	2369
5.981		8390	8654
6.029		7825	11885
6.112		2112	2115
6.17		124658	121938
6.234		171162	147002
6.408		3091	4211
6.477		3703	4616
6.607		72198	70011
6.753	DCB	6789696	6812565
7.093		1716	926
7.146		1245	616
7.293		1241	593
7.326		1316	500
7.606		1777	562
7.939		1653	394

RT A	Compound A	Height A	Area A
8.064		1338	561
8.173		2075	935
8.188		1492	767
8.244		1533	1800
8.333		1472	358
8.613		1507	365

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM 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, 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: 07PCBS17292003B.0069.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.571		57806	65614
1.655		3562	5852
1.766		4605	5669
1.872		33053	29065
1.942		11941	11709
1.99		605944	518426
2.048		19187	22399
2.109		10153	11835
2.177		6863	5595
2.237		543895	413469
2.325		108804	79611
2.391		32313	27295
2.434		5487	4702
2.48		2010	1482
2.517		6834	5846
2.561		77080	52305
2.588		42346	27647
2.615		4746	6574
2.683		4042	4577
2.72		8096	4804
2.748	TCX	9940568	7264655
2.869		9050	6571
2.968		144018	114714
2.997		10409	9697
3.035		5399	6613
3.059		16989	13267
3.086		32141	30816
3.129		6963	7616
3.177		2803	2280
3.197		2622	1428
3.222		8296	11656
3.254		10999	10564
3.285		18809	15308
3.322		11912	15120
3.385		63278	59682
3.434		3408	6722
3.462		67794	47255
3.504		3549	3401
3.518		3364	2711
3.573		5537	6178
3.604		3158	2680
3.639		6762	6892
3.684		5275	5249
3.725		7344	8019
3.799		2534	3217
3.856		2479	2007
3.884		7976	6238
3.915		8097	5868
3.944		4812	3245
3.99		7896	7244
4.025		2973	2078
4.044		12629	8920
4.143		2472	3339
4.196		12129	11262

4.248		3823	2772
4.264		2236	1334
4.286		3613	2529
4.309		10016	6174
4.331		25917	18991
4.402		3862	2881
4.519		13176	12843
4.556		3257	4281
4.632		117522	122242
4.764		13341	18123
4.82		15840	14192
4.87		137455	128732
4.947		5038	5988
5.045		2805	5769
5.127		6171	4882
5.152		4209	3230
5.195		15264	16320
5.253		3282	5752
5.273		86406	74014
5.32		4383	3675
5.395		152965	143777
5.447		2195	2343
5.535		3037	2095
5.582		10085	10756
5.737		110746	105509
5.805		185361	172584
5.853		52037	47957
6.158		68183	62103
6.319	DCB	6170574	6179077
6.795		2936	3995
8.634		2425	3070

BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8(

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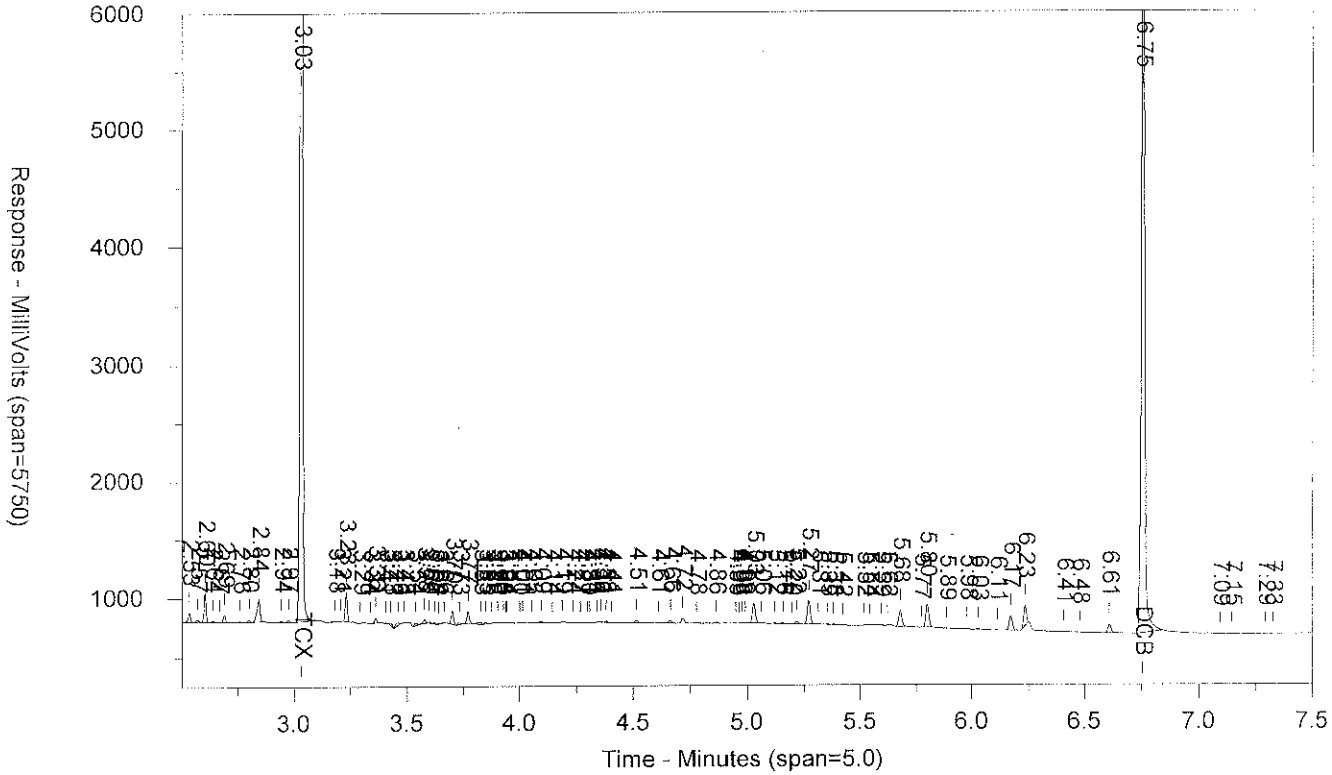

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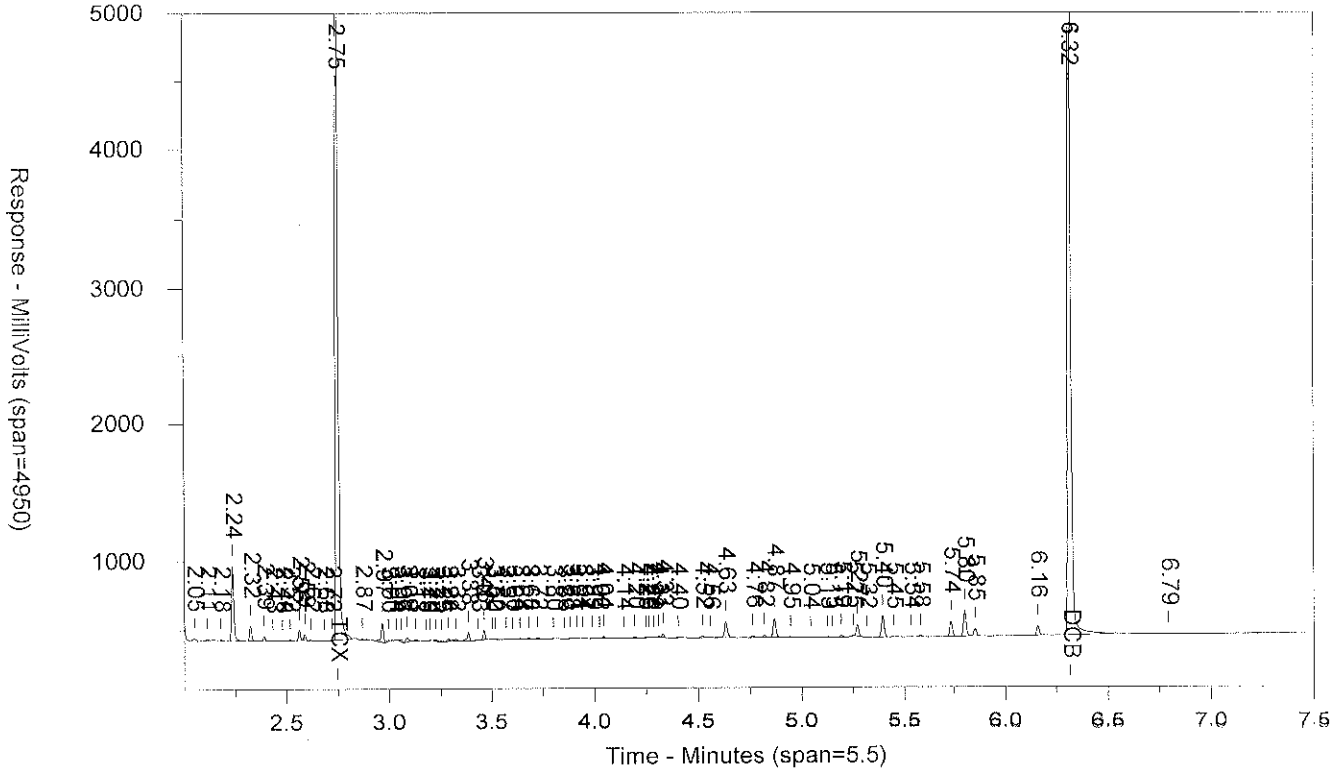

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A 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: 8
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
3.029	21058610	33.165	TCX	2.748	9940568	32.748	TCX
6.753	6789696	26.603	DCB	6.319	6170574	26.743	DCB

Files:
Area File: 07PCBS17292003.0069.RAW
Area File: 07PCBS17292003B.0069.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:37:08 AM
File Reported On: 10/24/2017 at 8:37:28 AM

BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8(

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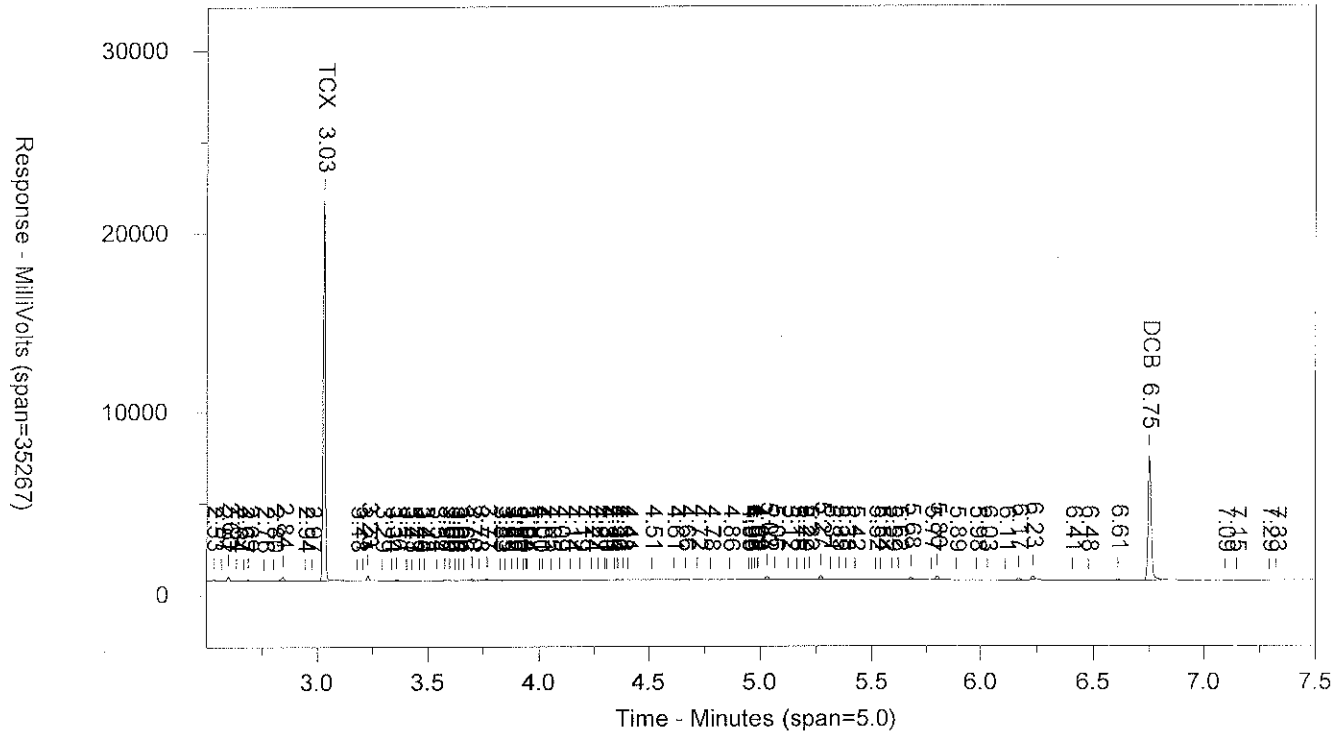

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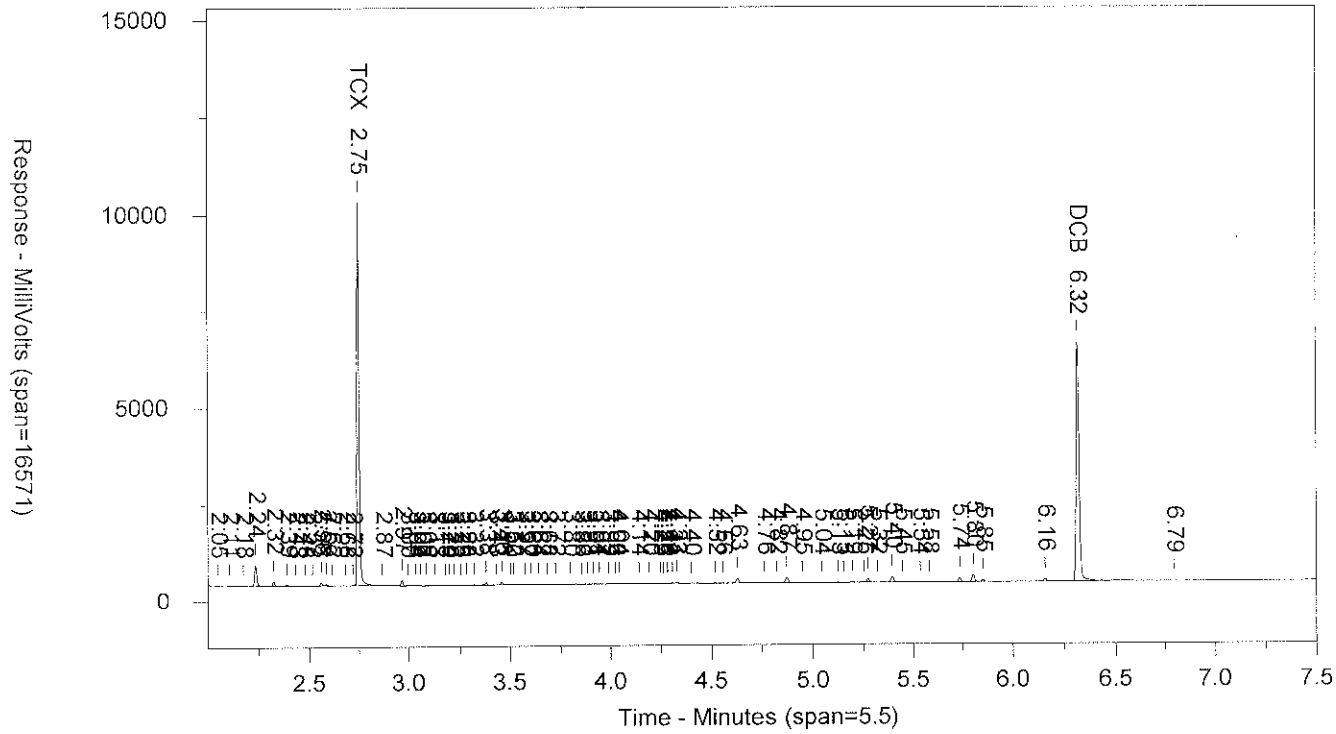

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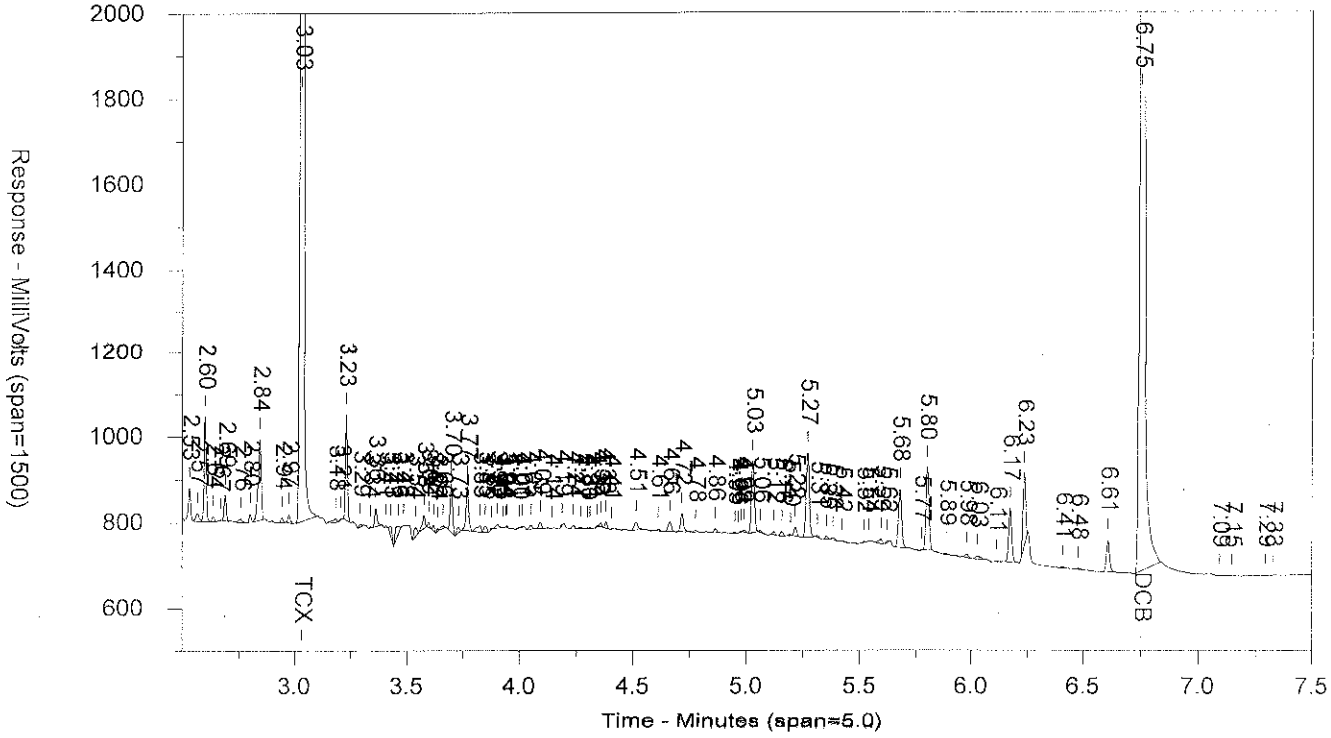

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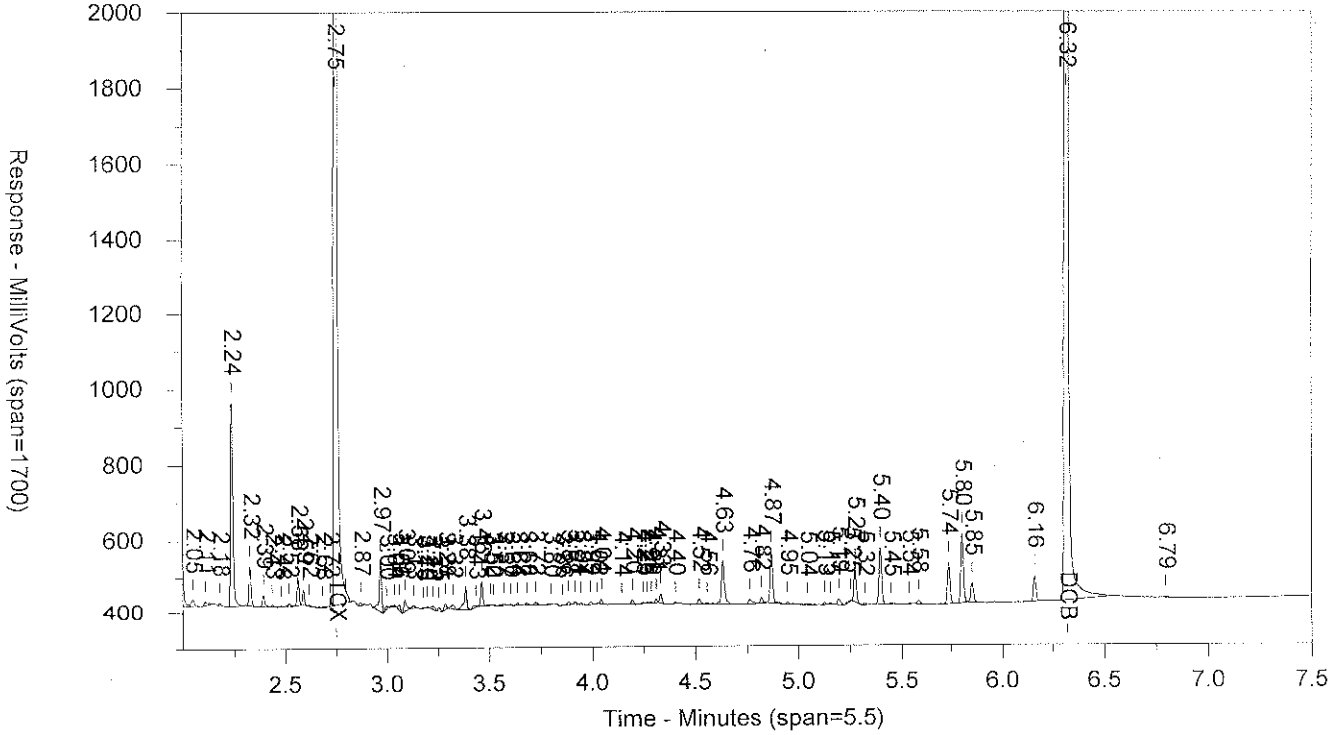

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Data Summary

Sample Name: LCSA 10/14/17 ACF LCS14286 LCS Sample ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843A
Result file	07PCBS17292003.0070.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.98102
%SSR(DCB) 91% (48 - 164) Conc: 24.63319

Analysis Report (B)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843B
Result file	07PCBS17292003B.0070.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 102% (61 - 152) Conc: 31.18723
%SSR(DCB) 96% (48 - 164) Conc: 26.09354

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	19671590	30.98102
Decachlorobiphenyl	6.72	6.75	6.78	6287024	24.63319

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	9466832	31.18723
Decachlorobiphenyl	6.29	6.32	6.35	6020766	26.09354

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.18723				0.66	
Tetrachloro-m-xylene-D1	A	30.98102					
Tetrachloro-m-xylene-D2	B	31.18723					
Decachlorobiphenyl	B	26.09354				5.76	
Decachlorobiphenyl-D1	A	24.63319					
Decachlorobiphenyl-D2	B	26.09354					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.94**	
3.27	3.29	3.31	4675500	466.851356			1
3.48	3.50	3.52	4831288	464.203985			2
3.60	3.62	3.64	5778584	481.498729			3
3.82	3.84	3.86	6709058	479.991484			4
3.88	3.90	3.92	5745130	491.534457			5
4.08	4.10	4.12	4348738	501.06075			6
Height summation:			**32088298**				
Concentration		CF:	**480.856794**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.57**	
3.02	3.03	3.06	2558971	477.657574			1
3.35	3.37	3.39	3056546	470.718962			2
3.54	3.56	3.58	3162870	488.391024			3
3.62	3.64	3.66	3432204	509.570483			4
3.68	3.69	3.72	2696234	530.466942			5
3.79	3.80	3.83	2726858	482.761045			6
Height summation:			**17633683**				
Concentration		CF:	**493.261005**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.92**	
4.88	4.90	4.92	8717572	490.728385			1
5.29	5.31	5.33	11306840	484.351586			2
5.36	5.38	5.40	5312588	449.638271			3
5.52	5.54	5.56	5480202	448.298115			4
5.76	5.78	5.80	14325150	492.585885			5
5.96	5.98	6.00	7949420	444.679094			6
Height summation:			**53091772**				
Concentration		CF:	**468.380223**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**3.08**	
4.64	4.65	4.68	6614508	490.688796			1
4.75	4.76	4.78	5954261	508.076412			2
4.88	4.90	4.92	6850498	512.861897			3
5.11	5.13	5.15	4129751	471.212103			4
5.30	5.32	5.34	10088360	493.761693			5
5.56	5.58	5.60	6679348	485.546494			6
Height summation:			**40316726**				
Concentration		CF:	**493.691233**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:04:27

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Data Summary

Sample Name: LCSA 10/14/17 ACF LCS14286 LCS Sample ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843A
Result file	07PCBS17292003.0070.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843B
Result file	07PCBS17292003B.0070.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	480.856794	51	9.9		2.55	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	493.691233	51	11.7		5.26	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	974.548026	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:04:27

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.98102
%SSR(DCB) : 91% (48-164) Conc.: 24.63319

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.94**	
3.27	3.29	3.31	4675500	466.851356			1
3.48	3.50	3.52	4831288	464.203985			2
+ 3.48	3.52	3.52	2076220	199.489163			2
3.60	3.62	3.64	5778584	481.498729			3
3.82	3.84	3.86	6709058	479.991484			4
3.88	3.90	3.92	5745130	491.534457			5
4.08	4.10	4.12	4348738	501.06075			6
Height Summation:			**32088298**				
Amount Avg CF:			**480.856793**	Linear:			
Aroclor-1221					**3**	**13.91**	
E 3.16	3.18	3.20	1214294	236.805756			1
E 3.22	3.24	3.26	1012401	229.007277			2
E 3.27	3.29	3.31	4675500	293.526859			3
Height Summation:			**6902195**				
Amount Avg CF:			**253.113297**	Linear:			
Aroclor-1232					**6**	**30.79**	
E 3.26	3.29	3.30	4675500	383.233633			1
E 3.48	3.50	3.52	4831288	1000.312093			2
E+ 3.48	3.52	3.52	2076220	429.878735			2
E 3.60	3.62	3.64	5778584	1027.57429			3
E 3.82	3.84	3.86	6709058	975.172857			4
E 3.88	3.90	3.92	5745130	1108.317701			5
E 4.08	4.10	4.12	4348738	1224.384539			6
Height Summation:			**32088298**				
Amount Avg CF:			**953.165852**	Linear:			
Aroclor-1242					**6**	**6.87**	
3.27	3.29	3.31	4675500	544.921782			1
3.48	3.50	3.52	4831288	559.431618			2
+ 3.48	3.52	3.52	2076220	240.412725			2
3.60	3.62	3.64	5778584	577.996002			3
3.82	3.84	3.86	6709058	556.918243			4
3.88	3.90	3.92	5745130	636.257319			5
4.08	4.10	4.12	4348738	633.521129			6
Height Summation:			**32088298**				
Amount Avg CF:			**584.841015**	Linear:			
Aroclor-1248					**6**	**46.36**	
3.82	3.84	3.86	6709058	874.885617			1
3.88	3.90	3.92	5745130	896.454943			2
3.95	3.97	3.99	3835626	351.107583			3
4.08	4.10	4.12	4348738	355.72148			4
4.17	4.19	4.21	4337726	425.555391			5
4.36	4.36	4.40	4230572	431.997016			6
+ 4.36	4.38	4.40	1020487	104.205138			6
Height Summation:			**29206850**				
Amount Avg CF:			**555.953672**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.18723
%SSR(DCB) : 96% (48-164) Conc.: 26.09354

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**4.57**	
3.02	3.03	3.06	2558971	477.657574			1
3.35	3.37	3.39	3056546	470.718962			2
+ 3.54	3.55	3.58	46502.43	7.180621			3
3.54	3.56	3.58	3162870	488.391024			3
3.62	3.64	3.66	3432204	509.570483			4
3.68	3.69	3.72	2696234	530.466942			5
+ 3.68	3.71	3.72	556993.9	109.585018			5
3.79	3.80	3.83	2726858	482.761045			6
Height Summation:			**17633683**				
Amount Avg CF:			**493.261005**	Linear:			
Aroclor-1221					**3**	**33.34**	
E 2.90	2.92	2.94	732958	233.156338			1
+ 2.96	2.97	3.00	37578.79	20.681817			2
2.96	2.98	3.00	294758.1	162.222712			2
E 3.02	3.03	3.06	2558971	321.177311			3
Height Summation:			**3586687.1**				
Amount Avg CF:			**238.85212**	Linear:			
Aroclor-1232					**6**	**33.28**	
E 3.02	3.03	3.06	2558971	406.087225			1
E 3.35	3.37	3.39	3056546	1012.044526			2
+ 3.54	3.55	3.58	46502.43	15.065979			3
E 3.54	3.56	3.58	3162870	1024.714936			3
E 3.62	3.64	3.66	3432204	1168.254241			4
E 3.68	3.69	3.72	2696234	1435.75076			5
E+ 3.68	3.71	3.72	556993.9	296.600523			5
E 3.79	3.80	3.83	2726858	1187.930868			6
Height Summation:			**17633683**				
Amount Avg CF:			**1039.130426**	Linear:			
Aroclor-1242					**6**	**8.80**	
3.02	3.03	3.06	2558971	555.237399			1
3.35	3.37	3.39	3056546	556.728148			2
+ 3.54	3.55	3.58	46502.43	8.156753			3
3.54	3.56	3.58	3162870	554.782816			3
3.62	3.64	3.66	3432204	628.475403			4
3.68	3.69	3.72	2696234	683.667764			5
+ 3.68	3.71	3.72	556993.9	141.233578			5
3.79	3.80	3.83	2726858	587.936128			6
Height Summation:			**17633683**				
Amount Avg CF:			**594.471276**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.82	
+ 4.69	4.71	4.73	623654.6	52.156639			1
4.69	4.73	4.73	844069.9	70.590113			1
4.76	4.78	4.80	2620761	110.555093			2
E 4.88	4.90	4.92	8717572	1207.714993			3
4.97	4.99	5.01	1383326	89.445832			4
5.17	5.20	5.21	4894744	404.782609			5
5.29	5.31	5.33	11306840	732.5802			6
Height Summation:			**29767312.9**				
Amount Avg CF:			**435.944807**	Linear:			
Aroclor-1260					6	4.92	
4.88	4.90	4.92	8717572	490.728385			1
5.29	5.31	5.33	11306840	484.351586			2
5.36	5.38	5.40	5312588	449.638271			3
5.52	5.54	5.56	5480202	448.298115			4
5.76	5.78	5.80	14325150	492.585885			5
5.96	5.98	6.00	7949420	444.679094			6
Height Summation:			**53091772**				
Amount Avg CF:			**468.380222**	Linear:			
Aroclor-1262					6	26.59	
E 5.35	5.38	5.39	5312588	278.117615			1
E 5.52	5.54	5.56	5480202	333.479976			2
E 5.75	5.78	5.79	14325150	417.943233			3
E 5.96	5.98	6.00	7949420	357.446114			4
E 6.01	6.03	6.05	2107399	200.823061			5
E 6.38	6.41	6.42	2697230	235.858305			6
Height Summation:			**37871989**				
Amount Avg CF:			**303.944717**	Linear:			
Aroclor-1268					6	115.70	
5.96	5.98	5.99	7949420	191.928069			1
6.01	6.03	6.05	2107399	59.391852			2
6.15	6.17	6.19	236153.3	7.223115			3
6.21	6.23	6.25	129704.2	14.82988			4
E 6.38	6.41	6.42	2697230	209.085742			5
6.58	6.61	6.62	680546.4	6.804638			6
Height Summation:			**13800452.9**				
Amount Avg CF:			**81.543883**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	51.23	
+ 3.54	3.55	3.58	46502.43	14.664445			1
E 3.54	3.56	3.58	3162870	997.404536			1
3.62	3.64	3.66	3432204	892.315773			2
3.68	3.69	3.72	2696234	476.603511			3
+ 3.68	3.71	3.72	556993.9	98.457793			3
3.79	3.80	3.83	2726858	347.526525			4
+ 3.88	3.88	3.92	810973.5	170.922139			5
3.88	3.90	3.92	1960724	413.245489			5
4.02	4.04	4.06	3144443	318.173188			6
Height Summation:			**17123333**				
Amount Avg CF:			**574.211504**	Linear:			
Aroclor-1254					6	96.67	
4.34	4.35	4.38	727438.1	87.445593			1
+ 4.40	4.40	4.44	543814.6	37.661341			2
+ 4.40	4.42	4.44	338541.6	23.445363			2
4.40	4.43	4.44	1549644	107.31906			2
4.50	4.51	4.54	5981829	856.466223			3
4.57	4.59	4.61	532433.3	59.517155			4
E 4.64	4.65	4.68	6614508	1162.743212			5
4.88	4.90	4.92	6850498	642.879154			6
Height Summation:			**22256350.4**				
Amount Avg CF:			**486.061733**	Linear:			
Aroclor-1260					6	3.08	
4.64	4.65	4.68	6614508	490.688796			1
4.75	4.76	4.78	5954261	508.076412			2
4.88	4.90	4.92	6850498	512.861897			3
5.11	5.13	5.15	4129751	471.212103			4
5.30	5.32	5.34	10088360	493.761693			5
5.56	5.58	5.60	6679348	485.546494			6
Height Summation:			**40316726**				
Amount Avg CF:			**493.691232**	Linear:			
Aroclor-1262					6	29.04	
E 4.91	4.93	4.95	3048618	240.990165			1
E 5.11	5.13	5.15	4129751	310.989454			2
E 5.30	5.32	5.34	10088360	407.11343			3
5.52	5.53	5.56	1804745	189.560271			4
E 5.56	5.58	5.60	6679348	388.689365			5
E 5.94	5.96	5.98	2376901	251.438581			6
Height Summation:			**28127723**				
Amount Avg CF:			**298.130211**	Linear:			
Aroclor-1268					6	110.11	
5.52	5.53	5.56	1804745	60.801523			1
E 5.56	5.58	5.60	6679348	221.052585			2
5.72	5.74	5.76	206828.9	7.997036			3
5.79	5.80	5.82	256137.2	37.879079			4
E 5.94	5.96	5.98	2376901	229.817756			5
6.14	6.16	6.18	631928.6	7.385606			6
Height Summation:			**11955888.7**				
Amount Avg CF:			**94.155597**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		2.55	4	40	
Aroclor-1221			51	15.3	E	5.80	3	40	
Aroclor-1232			51	12.3	E	8.63	4	40	
Aroclor-1242			51	12.3		1.63	4	40	
Aroclor-1248			51	9.9		3.23	4	40	
Aroclor-1254			51	13.2	E	10.87	4	40	
Aroclor-1260			51	11.7		5.26	4	40	
Aroclor-1262			51	9.9	E	1.93	4	40	
Aroclor-1268			51	9.9	E	14.36	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM 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: 07PCBS17292003.0070.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.512		195393	171841
1.556		111802	105953
1.581		9322	5648
1.61		88477	91708
1.657		207752	188563
1.678		277884	371136
1.719		132634	200424
1.76		61079	57472
1.79		177968	170195
1.818		171508	200400
1.842		120674	115102
1.877		98955	113318
1.891		59906	49735
1.927		58069	55091
1.963		73279	57093
1.996		15409	11836
2.019		24701	17088
2.048		49569	44904
2.066		31300	23966
2.082		26273	14999
2.098		32776	22712
2.129		31086	28123
2.161		14235	7842
2.177		63234	52011
2.198		57469	44620
2.224		365572	265293
2.245		47106	55019
2.279		8175	4175
2.315		62235	54475
2.336		48156	52725
2.381		13626	13446
2.409		10087	5548
2.427		12349	9955
2.463		15713	20430
2.486		132169	97852
2.534		36209	49259
2.575		26693	23425
2.601		35983	29519
2.634		9673	5330
2.664		105553	69889
2.688		7550	3332
2.715		14774	10225
2.748		17076	9654
2.768		2539	1237
2.782		5048	2285
2.801		7535	4700
2.816		6983	3115
2.844		150526	108155
2.899		10855	7288
2.926		6916	3437
2.943		13789	14965
2.982		5778	2908
3.029	TCX	19671590	12741260

RT A	Compound A	Height A	Area A
3.181		1214294	1042298
3.238		1012401	774741
3.286		4675501	3076879
3.364		13850	7409
3.38		571592	375571
3.41		5210	2905
3.422		41390	54151
3.461		44322	70374
3.503		4831288	2930287
3.52		2076220	1073017
3.557		482203	261685
3.573		307305	140675
3.587		221303	102225
3.619		5778585	4054513
3.655		30229	16523
3.67		41335	21443
3.695		493388	360403
3.731		1167592	679144
3.746		598286	303288
3.793		2905450	1554012
3.804		5663555	2955378
3.843		6709058	4981606
3.873		8933	5070
3.904		5745131	4244354
3.945		419284	297951
3.973		3835626	2691586
4.002		2794497	2697777
4.023		477771	220196
4.102		4348738	2963616
4.127		1438049	949164
4.159		1594225	1149217
4.194		4337726	4558484
4.235		1289837	1012833
4.283		188638	165026
4.321		301202	213533
4.358		4230572	3115241
4.378		1020487	579874
4.403		1081932	812032
4.473		556666	482052
4.517		4268824	4035509
4.552		254847	179646
4.616		106714	89198
4.657		1624872	1602668
4.714		623655	418360
4.73		844070	543724
4.776		2620761	2228828
4.824		3551667	3916505
4.862		1095266	779587
4.902		8717572	7748938
4.946		260811	221406
4.992		1383326	1397413
5.028		333682	245390
5.052		1249050	1049665
5.104		7165611	5532709
5.12		746879	500622
5.156		1782168	1593875
5.196		4894744	5011001
5.239		149699	90009
5.276		957366	1142310
5.311		11306840	10106850
5.333		430913	217237
5.351		299069	132333
5.376		5312588	4634674
5.419		3516896	3198796
5.516		913056	777687
5.539		5480203	4755811

RT A	Compound A	Height A	Area A
5.597		2886352	2510642
5.636		1656695	1509117
5.677		455791	424851
5.719		1930093	1947393
5.776		14325150	15008700
5.981		7949421	7431863
6.035		2107399	3845557
6.169		236153	227378
6.232		129704	131506
6.252		1112032	950037
6.406		2697231	2662979
6.452		155236	129716
6.606		680546	693575
6.753	DCB	6287025	6607571
6.956		1717	771
6.991		1596	436
7.185		971	324
7.362		1137	446
7.413		1389	434
7.629		1269	396
7.79		1457	414
8.035		1538	1214
8.091		1309	364
8.265		1366	937
8.321		1529	1690
8.373		1718	637
8.421		1173	1748
8.508		1269	985
8.576		1454	2252
8.646		1858	524

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM 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, 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: 07PCBS17292003B.0070.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.532		55252	52865
1.572		63658	78934
1.599		20814	13535
1.635		46456	86994
1.663		40734	64235
1.696		49701	43994
1.719		16671	11927
1.736		15751	11849
1.773		27967	35201
1.8		11768	9583
1.875		37959	71302
1.921		22941	29945
1.964		16626	14257
1.991		186198	175305
2.029		27470	25507
2.049		25321	33169
2.095		9577	9099
2.125		13072	12309
2.153		14018	11479
2.204		4912	2522
2.236		58556	45875
2.262		8177	5050
2.281		3632	1925
2.308		12452	7411
2.325		18631	12369
2.36		6358	4030
2.392		4524	3000
2.428		59904	54564
2.475		6801	8025
2.526		8321	4928
2.561		52486	34128
2.588		26055	16683
2.615		5024	3668
2.663		6635	3459
2.684		5136	3561
2.702		12492	9056
2.747	TCX	9466832	6639483
2.79		242315	214130
2.827		6722	3180
2.841		11752	9082
2.869		12161	9409
2.888		4081	1618
2.92		732958	567603
2.968		37579	19055
2.981		294758	183824
3.034		2558971	1906751
3.086		47931	50756
3.147		326080	264419
3.174		5494	4323
3.198		4994	2615
3.243		3011864	3328260
3.295		313447	208680
3.318		253269	161264
3.344		154401	86769

3.367	3056546	2358745
3.404	236153	154074
3.45	655959	380889
3.466	337009	170432
3.517	1290230	633341
3.527	3130270	1482065
3.547	46502	14744
3.561	3162870	2451195
3.636	3432204	2376489
3.67	2147799	1419616
3.694	2696234	1645367
3.713	556994	277929
3.804	2726858	2020477
3.828	925607	534942
3.85	930339	613300
3.882	810974	463979
3.9	1960724	1306676
3.943	820460	680636
3.991	301854	303057
4.015	440620	295677
4.038	3144443	2269027
4.064	519378	319096
4.085	101963	51032
4.104	314162	212357
4.141	2514420	2020294
4.177	166193	116743
4.195	303965	203440
4.24	13131	6989
4.262	26194	22186
4.285	866393	923296
4.329	57844	34936
4.353	727438	588880
4.399	543815	343606
4.418	338542	204461
4.43	1549644	925173
4.459	976779	1025401
4.513	5981829	5121873
4.556	196050	167336
4.585	532433	385558
4.61	1169827	876995
4.632	32140	12053
4.655	6614508	5620506
4.763	5954261	5894384
4.819	781086	717101
4.858	1396393	1343155
4.896	6850498	6297764
4.929	3048618	2343713
4.969	2120400	1818054
5.032	16917	18187
5.073	750027	847814
5.125	4129751	3474775
5.15	502155	338118
5.2	2156299	2039225
5.236	1059161	851009
5.264	706277	643258
5.297	188843	117859
5.318	10088360	8862982
5.36	170083	129721
5.395	462066	424826
5.511	80360	48437
5.534	1804745	1617138
5.579	6679348	7708024
5.736	206829	192350
5.778	154961	118127
5.804	256137	211592
5.853	1088948	1047668
5.958	2376901	2116710

5.989		109451	81126
6.158		631929	628805
6.318	DCB	6020767	5869491
8.633		3774	6929

LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 808

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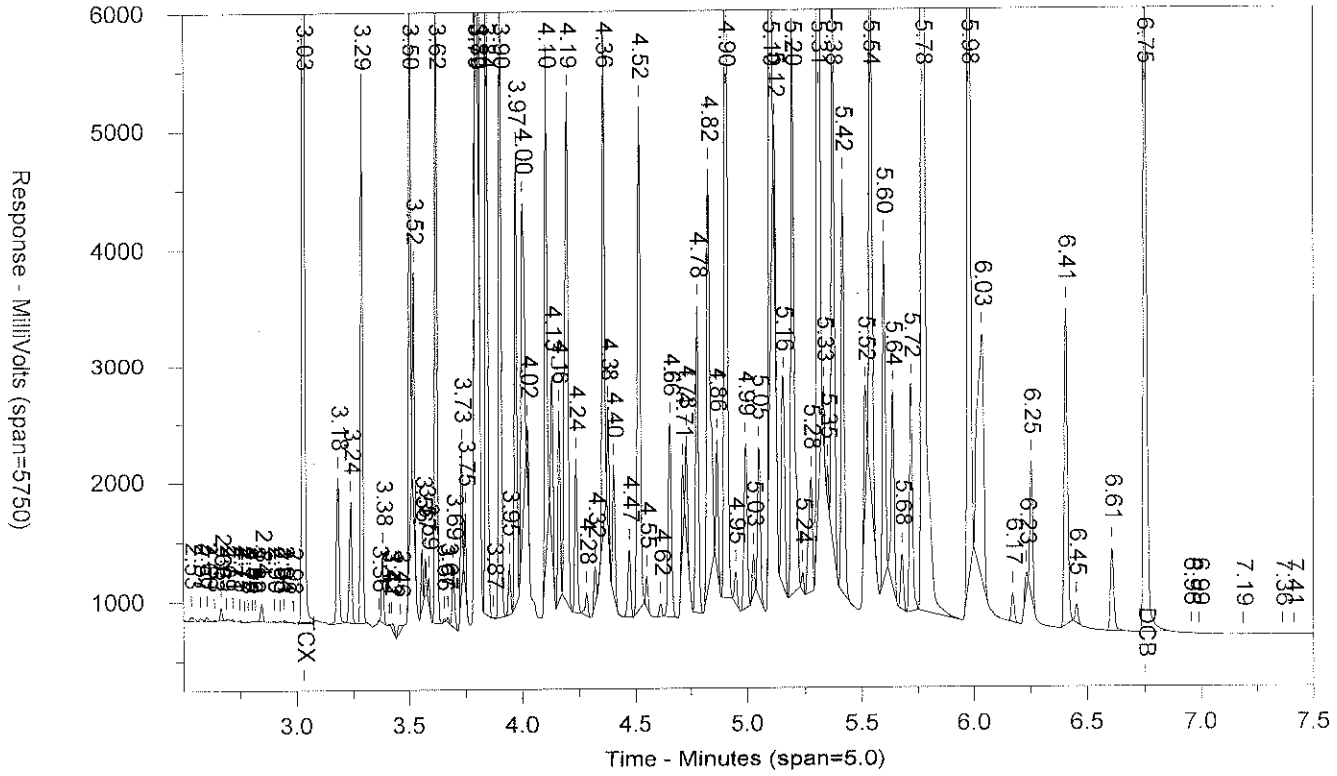

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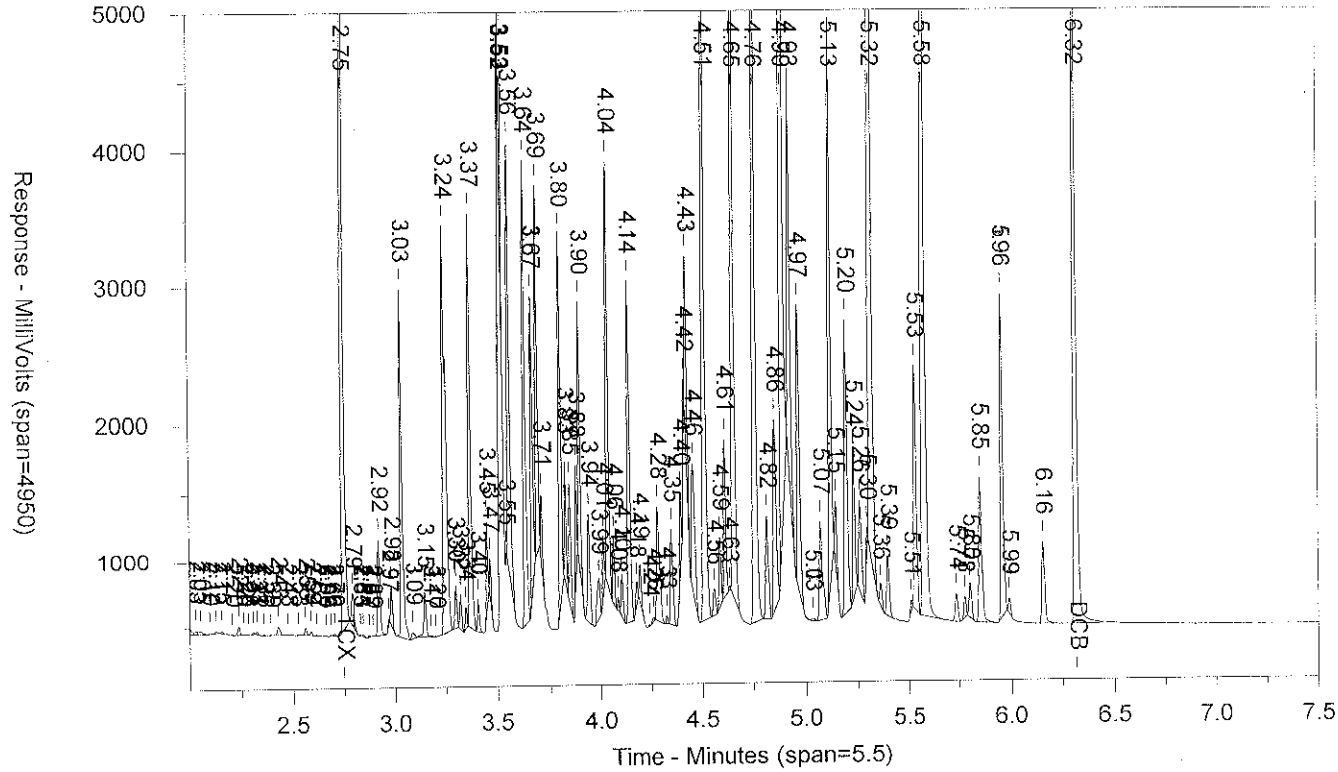

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A 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

Sample Weight: 10
Dilution Factor: 10

Threshold: 8
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
3.029	19671590	30.981	TCX	2.747	9466832	31.187	TCX
6.753	6287025	24.633	DCB	6.318	6020767	26.094	DCB

Files:
Area File: 07PCBS17292003.0070.RAW
Area File: 07PCBS17292003B.0070.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:48:37 AM
File Reported On: 10/24/2017 at 8:48:56 AM

LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 808:

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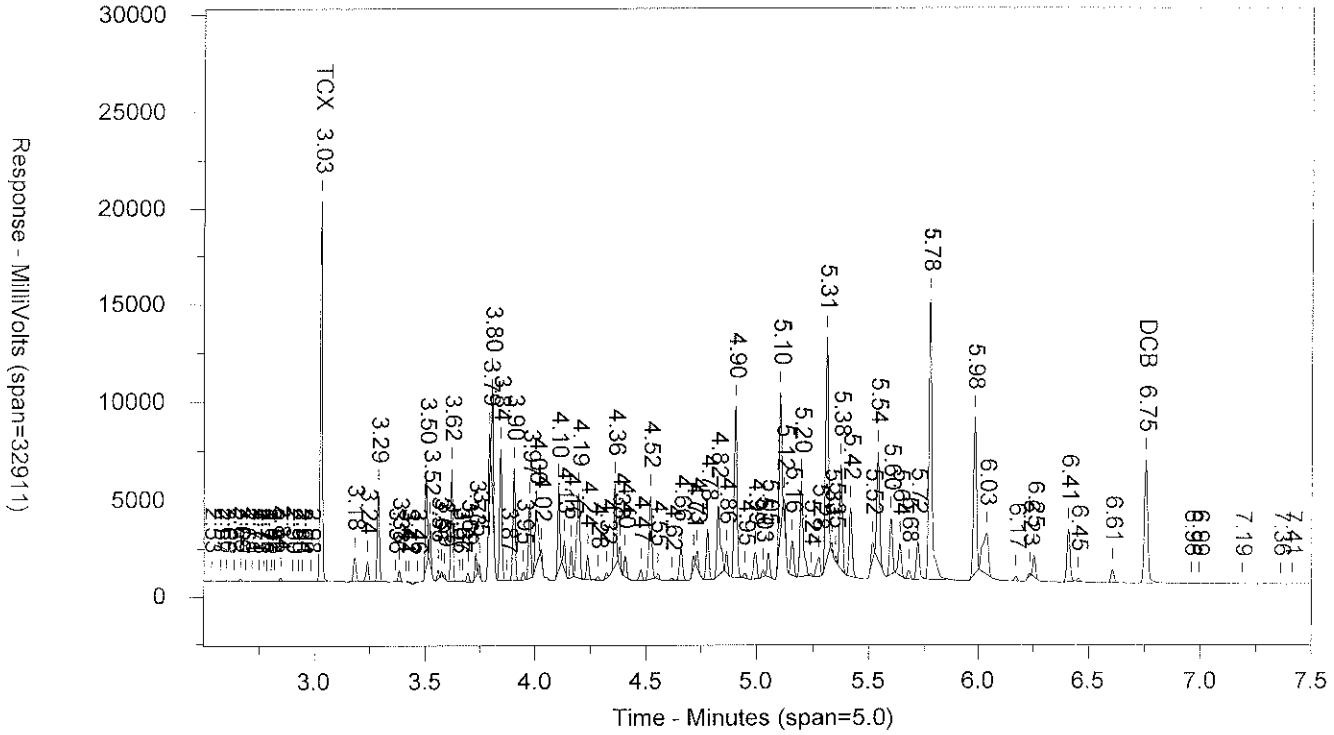

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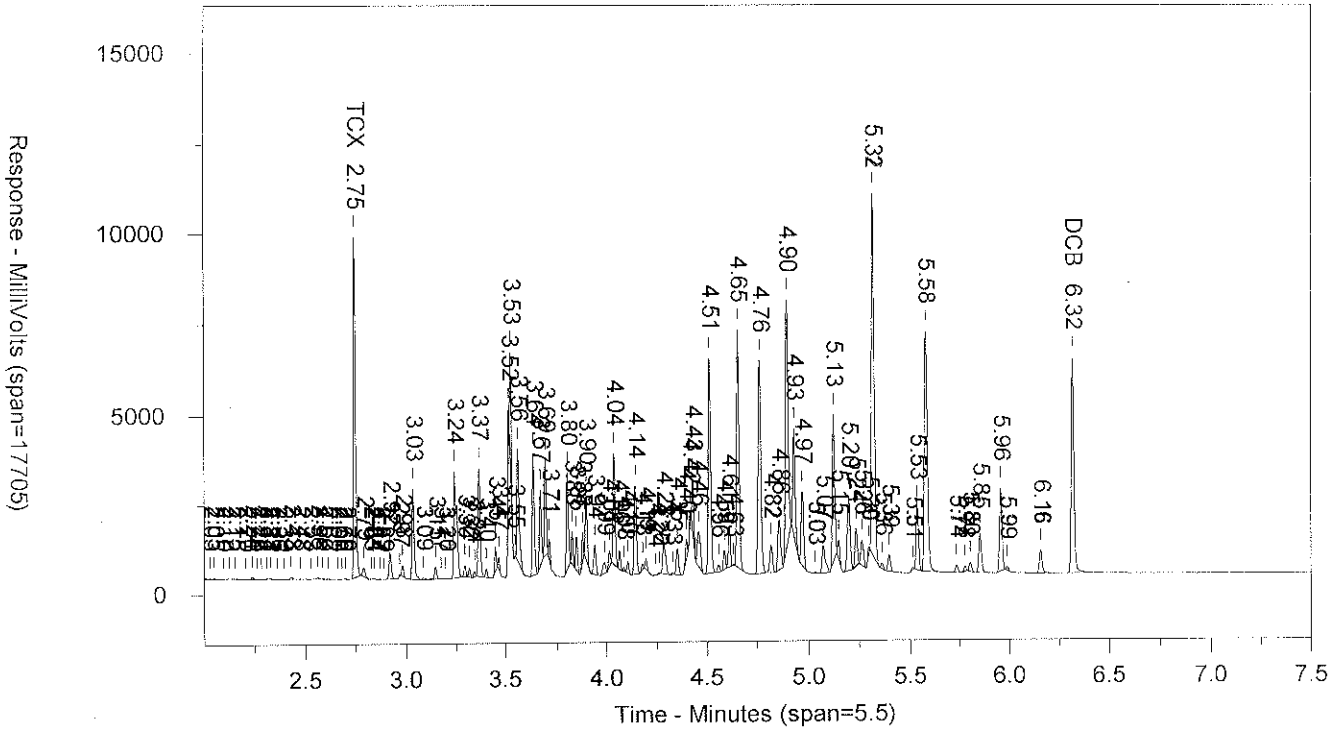

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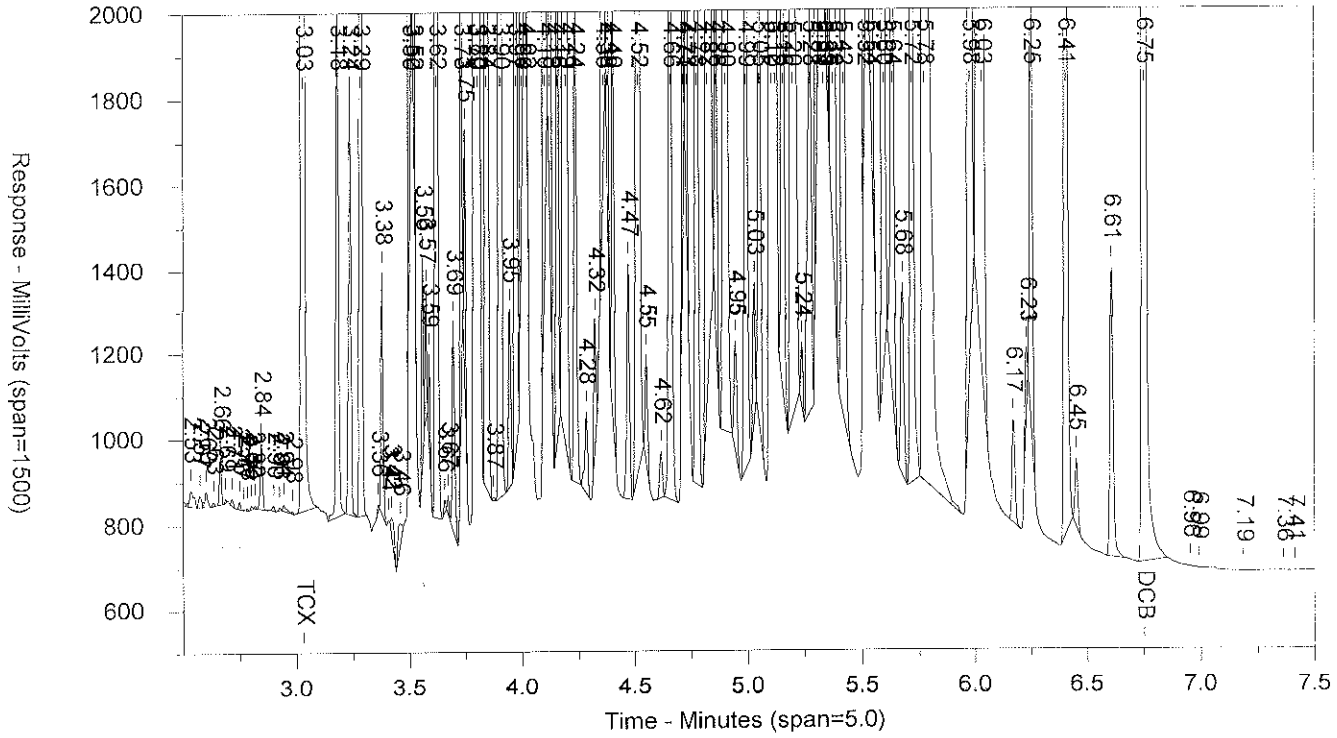

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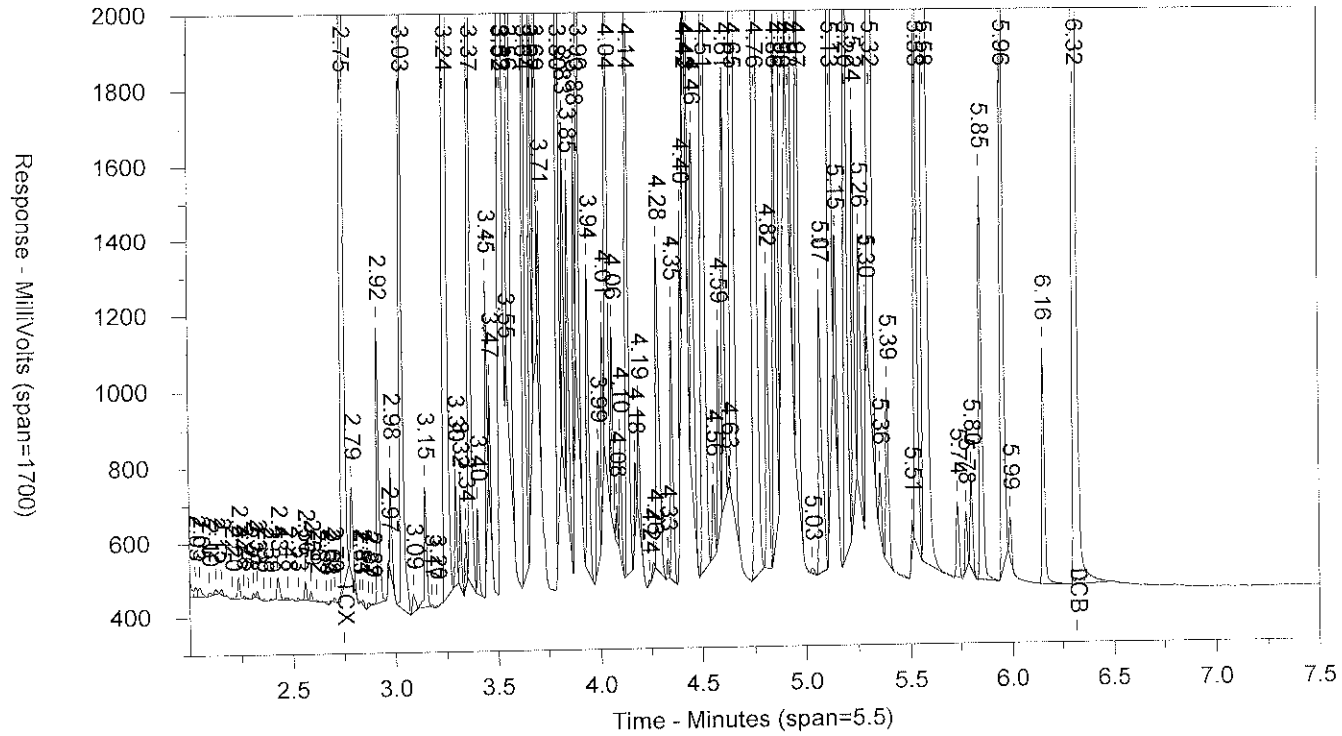

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 24470 Elizabeth Donovan Reviewed by: KMT 4066 Start Date: November 10, 2017 Start time: 16:00

172830025A

Tech 1: EB24470 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
9229516MS	02A03	10.01	~~SS1726124A~~ (8A)	1.0	~~MS1726824A~~ (8B)	1.0	10	Z	Z	314A	Soil; Brown
9229517MSD	02A03	10.35	~~SS1726124A~~ (8A)	1.0	~~MS1726824A~~ (8B)	1.0	10	Z	Z	314A	Soil; Brown
BLANKA	PBLK25283	10.0	~~SS1726124A~~ (8A)	1.0	—	—	10	Z	Z	/	Na_2SO_4
LCSA	LCS25283	10.0	~~SS1726124A~~ (8A)	1.0	~~MS1726824A~~ (8B)	1.0	10	Z	Z	/	Na_2SO_4

(8A) SS1728524A EB24470 11/10/17
(8B) MS1730624A EB24470 11/10/17

Solvent Used	Lot No.
1:1 MeCl2/Acetone	K850924174
Filter Paper	9823853
Hexane	174854
Sodium Sulfate	17311A

Spike Solutions: Witness:
~~MS1726824A~~ (8B) PCB SPIKE
~~SS1726124A~~ (8A) 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 9229505	01A13	10.01	~~SS1726124A~~	1.0	10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/16/2017	N
2 9229506	01A14	10.30	SS1726124A		10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	10/16/2017	N
3 9229507	01A15	10.30	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	10/16/2017	N
4 9229508	01A16	10.21	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Black	10225	1869	10/16/2017	N
5 9229513	02A01	10.23	SS1726124A		10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	10/17/2017	N
6 9229514	02A02	10.34	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black	10225	1869	10/17/2017	N
7 9229515BKG	02A03	10.18	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/17/2017	N
8 9229518	02A04	10.39	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/17/2017	N
9 9229519	02A05	10.27	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/17/2017	N
10 9229520	02A06	10.02	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/17/2017	N
11 9229521	02A07	10.08	SS1726124A		10	Z	Z	314A	Soil;Gritty;Black	10225	1869	10/17/2017	N
12 9229522	02A08	10.09	SS1726124A		10	Z	Z	314a	Soil;Sandy;Black	10225	1869	10/17/2017	N
13 9229528	03A01	10.28	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
14 9229529	03A02	10.48	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
15 9229530	03A03	10.41	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
16 9229531	03A04	10.35	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
17 9229536	03A07	10.43	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
18 9229537	03A08	10.37	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
19 9229538	03A09	10.18	SS1726124A (8A)		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood: 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath IDs	97 C	S-bath ID	C	N-Evap	C	M-vap	C

172830025A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20 9249187	T2-PC	10.36	~~SS1726124A~~ SA	1.0	10	Z	Z	314A	Other - pipe contents;Wet;Black	10225	1869	10/17/2017	N

NA 682470
11/10/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood:320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 5	97 C	S-bath ID	C	N-Evap	C	M-vap	C

172830025A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172830025A

Verified: KBT 0068
Start Date: 11/10/17
Start Time: 19:15
Tech 1: E924470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229516MS		10	10			
9229517MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229505		10	10				10225
2	9229506							10225
3	9229507							10225
4	9229508							10225
5	9229513							10225
6	9229514							10225
7	9229515							10225
8	9229518							10225
9	9229519							10225
10	9229520							10225
11	9229521							10225
12	9229522							10225
13	9229528							10225
14	9229529							10225
15	9229530							10225
16	9229531							10225
17	9229536							10225
18	9229537							10225
19	9229538							10225
20	9249187							10225

NA E924470
11/10/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch No: 172830025A

Verified: KBT 9065
Start Date: 11/10/17
Start Time: 20:00
Tech 1: G924470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229516MS		2	2			
9229517MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229505		2	2				10225
2	9229506							10225
3	9229507							10225
4	9229508							10225
5	9229513							10225
6	9229514							10225
7	9229515							10225
8	9229518							10225
9	9229519							10225
10	9229520							10225
11	9229521							10225
12	9229522							10225
13	9229528							10225
14	9229529							10225
15	9229530							10225
16	9229531							10225
17	9229536							10225
18	9229537							10225
19	9229538							10225
20	9249187							10225

NA G924470
11/10/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		G924470 11/10/17	
		Copper	HH 711060-BD
		Florisil	611060-CG

Organic Extraction Batchlog

172850029A

Assigned to: 8993 Michelle Newswanger

Reviewed by: [illegible] Start Date: 10-15-17 Start time: 10:45

Tech 1: MN8993 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
9229238DUP	92A14DUP		SS1726124A					Z	Z		
9229258DUP	93A14DUP		SS1726124A					Z	Z		
9229259DUP	93A15DUP		SS1726124A					Z	Z		
9229533MS	03A05	10.37	SS1726124A	1	MS1726824A	1	10	Z	Z	314A	
9229534MSD	03A05	10.16	SS1726124A	1	MS1726824A	1	10	Z	Z	314A	
BLANKA	PBLK29285	10.0	SS1726124A	1	—	—	10	Z	Z		MN8924
LCSA	LCS29285	10.0	SS1726124A	1	MS1726824A	1	10	Z	Z		

Samples not found by storage MN8993 10-15-17

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185D92417A
Filter Paper	9823853
Hexane	174854
Sodium Sulfate	17281A

Spike Solutions: Witness: N/A

MS1726824A PCB SPIKE

SS1726124A 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 9229238	02A14		SS1726124A			Z	Z			10225	1869	10/06/2017	N
2 9229258	93A14		SS1726124A			Z	Z			10225	1869	10/06/2017	N
3 9229259	93A15		SS1726124A			Z	Z			10225	1869	10/06/2017	N
4 9229532BKG	03A05	10.16	SS1726124A	1	10	Z	Z	314A	Soil;Orange	10225	1869	10/18/2017	N
5 9229535	03A06	10.04	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
6 9229539	03A10	10.15	SS1726124A		10	Z	Z	314a	Soil;Brown	10225	1869	10/18/2017	N
7 9229540	03A11	10.17	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
8 9229541	03A12	10.45	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
9 9229542	03A13	10.26	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
10 9229543	03A14	10.11	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
11 9229544	03A15	10.19	SS1726124A		10	Z	Z	314A	Soil;Gritty;Black	10225	1869	10/18/2017	N
12 9229545	03A16	10.49	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/18/2017	N
13 9229549	04A02		SS1726124A			Z	Z	034a		10225	1869	10/13/2017	N

ATH0 2 8 9 1330 of 1338

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 3	Micro Temp 100?
Internal Standard		Balance #		

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C			
S-bath ID	98 C	S-bath ID	C	N-Evap	C	M-vap	C	172850029A

#U

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172850029A

Verified: KBT 9/26
Start Date: 10-15-17
Start Time: 14:00
Tech 1: MNX993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
~~9229238DUP~~						
~~9229258DUP~~						
~~9229260DUP~~						
9229533MS		10	10			
9229534MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
~~1~~	~~9229238~~							~~10225~~
~~2~~	~~9229258~~							~~10225~~
~~3~~	~~9229260~~							~~10225~~
4	9229532		10	10				10225
5	9229535		↓	↓				10225
6	9229539		↓	↓				10225
7	9229540		↓	↓				10225
8	9229541		↓	↓				10225
9	9229542		↓	↓				10225
10	9229543		↓	↓				10225
11	9229544		↓	↓				10225
12	9229545		↓	↓				10225
13	~~9229549~~							~~10225~~

Kirby B. Turner
Chemist

OCT 26 2017

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H2SO4	174051

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172850029A

Verified: [signature]
Start Date: 10-15-17
Start Time: 14:20
Tech 1: MN0993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
~~9229238DUP~~						
~~9229258DUP~~						
~~9229259DUP~~						
9229533MS		2	2			
9229534MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	~~9229238~~							~~10225~~
2	~~9229258~~							~~10225~~
3	~~9229259~~							~~10225~~
4	9229532		2	2				10225
5	9229535							10225
6	9229539							10225
7	9229540							10225
8	9229541							10225
9	9229542							10225
10	9229543							10225
11	9229544							10225
12	9229545							10225
13	~~9229549~~							~~10225~~

Kirby B. Turner
Chemist

OCT 26 2017

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Copper	[illegible]
		Florisil	[illegible]

Organic Extraction Batchlog Assigned to: 898 Olivia Arosemena

Reviewed by: JLM 2895 Start Date: 10-14-17 Start time: 9:00

172860014A

Tech 1: OA898 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
9229551MS	04A03	10.26	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	314A	Brown Soil
9229552MSD	04A03	10.34	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	314A	↓
BLANKA	PBLK14286	10.0	SS~~1726124A~~ 8	1			10	Z	Z	NA	Na_2SO_4
LCSA	LCS14286	10.0	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	√	↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	898101417A
Filter Paper	9804332
Hexane	174854
Sodium Sulfate	172834

Spike Solutions: Witness: NA

MS1726824A PCB SPIKE

~~SS1726124A~~ SW846 SURROGATE STANDARI

(8) Changed lot # of SS 1728524A

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9229546	03A17	10.40	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Black	10225	1869	10/18/2017	N
2 9229547	03A18	10.26	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Brown	10225	1869	10/18/2017	N
3 9229548	04A01	10.21	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
4 9229550BKG	04A03	10.14	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
5 9229553	04A04	10.30	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
6 9229554	04A05	10.09	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Orange	10225	1869	10/19/2017	N
7 9229555	04A06	10.19	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Black;Fuel Odor	10225	1869	10/19/2017	N
8 9229556	04A07	10.05	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
9 9229557	04A08	10.35	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	10/19/2017	N
10 9229558	04A09	10.38	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
11 9229559	04A10	10.19	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
12 9229560	04A11	10.02	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
13 9229561	04A12	10.26	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/19/2017	N
14 9239049	A0901	10.05	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Gritty;Rocks;Grey	10225	1869	10/10/2017	N
15 9239052	A0904	10.04	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	10/10/2017	N
16 9239055	A0907	10.28	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/10/2017	N

OA898 NA 10-14-17

Bench# 4	Bench#	Bench#		
Rack ID:		Work Station	Sen. 4	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ~~ID~~	C	R-VAP ID	C	R-VAP ID	C			
S-bath ID 5	97 C	S-bath ID	C	N-Evap	C	M-vap	C	172860014A

OA898 10/14/17

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172860014A

Verified: JLM 7845
Start Date: 10-14-17
Start Time: 15:00
Tech 1: 02898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229551MS		10	10			
9229552MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229546		10	10				10225
2	9229547		↓	↓				10225
3	9229548		↓	↓				10225
4	9229550		↓	↓				10225
5	9229553		↓	↓				10225
6	9229554		↓	↓				10225
7	9229555		↓	↓				10225
8	9229556		↓	↓				10225
9	9229557		↓	↓				10225
10	9229558		↓	↓				10225
11	9229559		↓	↓				10225
12	9229560		↓	↓				10225
13	9229561		↓	↓				10225
14	9239049		↓	↓				10225
15	9239052		↓	↓				10225
16	9239055		↓	↓				10225

02898
NW
10-14-17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch No: 172860014A

Verified: [illegible]
Start Date: 10-14-17
Start Time: 1500
Tech 1: 02898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229551MS		2	2			
9229552MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229546		2	2				10225
2	9229547		↓	↓				10225
3	9229548		↓	↓				10225
4	9229550		↓	↓				10225
5	9229553		↓	↓				10225
6	9229554		↓	↓				10225
7	9229555		↓	↓				10225
8	9229556		↓	↓				10225
9	9229557		↓	↓				10225
10	9229558		↓	↓				10225
11	9229559		↓	↓				10225
12	9229560		↓	↓				10225
13	9229561		↓	↓				10225
14	9239049		↓	↓				10225
15	9239052		↓	↓				10225
16	9239055		↓	↓				10225

02898
NW
10-14-17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		FLORISIL	414011-CE
		COPPER	171680-BA

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: **Stantec**
SDG: ATH03

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9229528	03A01
9229529	03A02
9229530	03A03
9229531	03A04
9229532	03A05BKG
9229533	03A05MS
9229534	03A05MSD
9229535	03A06FD
9229536	03A07
9229537	03A08
9229538	03A09
9229539	03A10
9229540	03A11
9229541	03A12
9229542	03A13
9229543	03A14
9229544	03A15
9229545	03A16
9229546	03A17
9229547	03A18

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: 17276820010A	Sample number(s): 9229528-9229539				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		
Batch number: 17276820010B	Sample number(s): 9229540-9229547				
Moisture	100		99-101		

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATH03

MOISTURE

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 17276820010A	Sample number(s):		9229528-9229539	
Moisture	13.5	12.7	6*	5
Moisture	13.5	12.7	6*	5
Moisture Duplicate	13.5	12.7	6*	5
Batch number: 17276820010B	Sample number(s):		9229540-9229547	
Moisture	10.9	11.7	7*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: 09286820007

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
LCS 89.5% Std.		00111	1.0968	5.0335	1.6316	89.38	10/13/09 (1201/SWF)	10/14/09 (236/CW)

Batch #: 17276820010

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229528	A	00111	1.0839	8.2723	8.5977	9.17	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229529	A	00111	1.0993	7.5212	7.5318	14.48	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229530	A	00111	1.0886	8.5861	7.8197	21.60	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229531	A	00111	1.1069	9.2215	9.2087	12.14	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229532BKG	A	00111	1.0987	6.7630	6.9458	13.54	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229533MS	A	00118				13.54	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229534MSD	A	00118				13.54	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229534MSD	A	00121	1.0796	6.6347	6.8697	12.73	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229535FD	A	00111	1.0916	7.4913	7.5663	13.57	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229536	A	00111	1.1171	6.3965	6.7135	12.51	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229537	A	00111	1.1002	6.7821	6.2385	24.24	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229538	A	00111	1.0786	6.6551	6.9788	11.34	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229539	A	00111	1.1003	8.1627	7.6571	19.67	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229540	B	00111	1.0873	8.2782	8.1651	14.50	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229541	B	00111	1.0989	6.3928	6.6259	13.54	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229542	B	00111	1.1167	7.2530	7.1632	16.63	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229543	B	00111	1.0989	6.4111	6.7585	11.72	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229544	B	00111	1.0963	9.2591	9.6439	7.68	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229545	B	00111	1.1057	9.4387	9.3681	12.46	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229546	B	00111	1.1052	7.6650	8.0305	9.65	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
9229547	B	00111	1.1031	6.8056	7.0951	11.95	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
P236460BKG	B	00111	1.1298	8.8488	9.0148	10.89	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
P236460DUP	B	00111	1.1178	8.2686	8.4201	11.69	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)
LCS 89.5% Std.		00111	1.1112	5.0326	1.6444	89.41	10/ 4/17 (1201/SWF)	10/ 4/17 (236/CW)