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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# ATG96

GROUP	SAMPLE NUMBERS
1855181	9229388-9229407

```
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:** **11/06/2017**

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 ATG96
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9229388	T2-9(1.5-1.8)	09/22/2017 10:36	09/26/2017 17:15
9229389	T2-9a(1.5-1.8)	09/22/2017 10:37	09/26/2017 17:15
9229390	T2-9E	09/22/2017 10:38	09/26/2017 17:15
9229391	T2-10(1.5-1.8)	09/22/2017 10:39	09/26/2017 17:15
9229392	T2-10a(1.5-1.8)	09/22/2017 10:40	09/26/2017 17:15
9229393	T2-10E	09/22/2017 10:41	09/26/2017 17:15
9229394	T2-11(1.5-1.8)	09/22/2017 10:42	09/26/2017 17:15
9229395	T2-11a(1.5-1.8)	09/22/2017 10:43	09/26/2017 17:15
9229396	T2-11E	09/22/2017 10:44	09/26/2017 17:15
9229397	T2-12(1.5-1.8)	09/22/2017 10:45	09/26/2017 17:15
9229398	T2-23(1.5-1.8)	09/22/2017 11:23	09/26/2017 17:15
9229399	T2-23E	09/22/2017 11:24	09/26/2017 17:15
9229400	T2-24W	09/22/2017 11:25	09/26/2017 17:15
9229401	T2-24WMS	09/22/2017 11:25	09/26/2017 17:15
9229402	T2-24WMSD	09/22/2017 11:25	09/26/2017 17:15
9229403	DUP2-2	09/22/2017 11:25	09/26/2017 17:15
9229404	T2-24(1.5-1.8)	09/22/2017 11:26	09/26/2017 17:15
9229405	T2-24E	09/22/2017 11:27	09/26/2017 17:15
9229406	T2-25W	09/22/2017 11:28	09/26/2017 17:15
9229407	T2-25(1.5-1.8)	09/22/2017 11:29	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 03, 2017 16:40

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1855181
SDG: ATG96
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#
T2-9(1.5-1.8) Grab Soil	09/22/2017 10:36	9229388
T2-9a(1.5-1.8) Grab Soil	09/22/2017 10:37	9229389
T2-9E Grab Soil	09/22/2017 10:38	9229390
T2-10(1.5-1.8) Grab Soil	09/22/2017 10:39	9229391
T2-10a(1.5-1.8) Grab Soil	09/22/2017 10:40	9229392
T2-10E Grab Soil	09/22/2017 10:41	9229393
T2-11(1.5-1.8) Grab Soil	09/22/2017 10:42	9229394
T2-11a(1.5-1.8) Grab Soil	09/22/2017 10:43	9229395
T2-11E Grab Soil	09/22/2017 10:44	9229396
T2-12(1.5-1.8) Grab Soil	09/22/2017 10:45	9229397
T2-23(1.5-1.8) Grab Soil	09/22/2017 11:23	9229398
T2-23E Grab Soil	09/22/2017 11:24	9229399
T2-24W Grab Soil	09/22/2017 11:25	9229400
T2-24WMS Grab Soil	09/22/2017 11:25	9229401
T2-24WMSD Grab Soil	09/22/2017 11:25	9229402
DUP2-2 Grab Soil	09/22/2017 11:25	9229403
T2-24(1.5-1.8) Grab Soil	09/22/2017 11:26	9229404
T2-24E Grab Soil	09/22/2017 11:27	9229405
T2-25W Grab Soil	09/22/2017 11:28	9229406
T2-25(1.5-1.8) Grab Soil	09/22/2017 11:29	9229407

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: **T2-9(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 10:36
SDG#: ATG96-01

Stantec
ELLE Sample #: **SW 9229388**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 27	D1	27	500
10225	PCB-1221	11104-28-2	< 27	D1	27	500
10225	PCB-1232	11141-16-5	< 27	D1	27	500
10225	PCB-1242	53469-21-9	< 27	D1	27	500
10225	PCB-1248	12672-29-6	< 27	D1	27	500
10225	PCB-1254	11097-69-1	310	D2	27	500
10225	PCB-1260	11096-82-5	< 27	D1	27	500
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.9		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 07:06	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-9a(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 10:37
SDG#: ATG96-02

Stantec
ELLE Sample #: SW 9229389
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 110	D1	110	2000
10225	PCB-1221	11104-28-2	< 110	D1	110	2000
10225	PCB-1232	11141-16-5	< 110	D1	110	2000
10225	PCB-1242	53469-21-9	< 110	D1	110	2000
10225	PCB-1248	12672-29-6	< 110	D1	110	2000
10225	PCB-1254	11097-69-1	710	D2	110	2000
10225	PCB-1260	11096-82-5	< 110	D1	110	2000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.1		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 07:17	Jessica L Miller	2000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-9E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 10:38
SDG#: ATG96-03

Stantec
ELLE Sample #: **SW 9229390**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 11	D1	11	200
10225	PCB-1221	11104-28-2	< 11	D1	11	200
10225	PCB-1232	11141-16-5	< 11	D1	11	200
10225	PCB-1242	53469-21-9	< 11	D1	11	200
10225	PCB-1248	12672-29-6	< 11	D1	11	200
10225	PCB-1254	11097-69-1	140	D2	11	200
10225	PCB-1260	11096-82-5	< 11	D1	11	200
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.2		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	172780031A	10/12/2017 07:52	Jessica L Miller	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-10(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 10:39
SDG#: ATG96-04

Stantec
ELLE Sample #: SW 9229391
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 270	D1	270	5000
10225	PCB-1221	11104-28-2	< 270	D1	270	5000
10225	PCB-1232	11141-16-5	< 270	D1	270	5000
10225	PCB-1242	53469-21-9	< 270	D1	270	5000
10225	PCB-1248	12672-29-6	< 270	D1	270	5000
10225	PCB-1254	11097-69-1	1,600	D2	270	5000
10225	PCB-1260	11096-82-5	< 270	D1	270	5000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	6.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 08:03	Jessica L Miller	5000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-10a(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 10:40
SDG#: ATG96-05

Stantec
ELLE Sample #: SW 9229392
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 55	D1	55	1000
10225	PCB-1221	11104-28-2	< 55	D1	55	1000
10225	PCB-1232	11141-16-5	< 55	D1	55	1000
10225	PCB-1242	53469-21-9	< 55	D1	55	1000
10225	PCB-1248	12672-29-6	< 55	D1	55	1000
10225	PCB-1254	11097-69-1	350	D2	55	1000
10225	PCB-1260	11096-82-5	< 55	D1	55	1000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 08:14	Jessica L Miller	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-10E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 10:41
SDG#: ATG96-06

Stantec
ELLE Sample #: **SW 9229393**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 60	D1	60	1000
10225	PCB-1221	11104-28-2	< 60	D1	60	1000
10225	PCB-1232	11141-16-5	< 60	D1	60	1000
10225	PCB-1242	53469-21-9	< 60	D1	60	1000
10225	PCB-1248	12672-29-6	< 60	D1	60	1000
10225	PCB-1254	11097-69-1	310	D2	60	1000
10225	PCB-1260	11096-82-5	< 60	D1	60	1000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	16.0		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 08:25	Jessica L Miller	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-11(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 10:42
SDG#: ATG96-07

Stantec
ELLE Sample #: SW 9229394
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 56	D1	56	1000
10225	PCB-1221	11104-28-2	< 56	D1	56	1000
10225	PCB-1232	11141-16-5	< 56	D1	56	1000
10225	PCB-1242	53469-21-9	< 56	D1	56	1000
10225	PCB-1248	12672-29-6	< 56	D1	56	1000
10225	PCB-1254	11097-69-1	300	D2	56	1000
10225	PCB-1260	11096-82-5	< 56	D1	56	1000
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	172780031A	10/12/2017 08:37	Jessica L Miller	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008A	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-11a(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 10:43
SDG#: ATG96-08

Stantec
ELLE Sample #: SW 9229395
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 110	D1	110	2000
10225	PCB-1221	11104-28-2	< 110	D1	110	2000
10225	PCB-1232	11141-16-5	< 110	D1	110	2000
10225	PCB-1242	53469-21-9	< 110	D1	110	2000
10225	PCB-1248	12672-29-6	< 110	D1	110	2000
10225	PCB-1254	11097-69-1	500	D2	110	2000
10225	PCB-1260	11096-82-5	< 110	D1	110	2000
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.1		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 08:48	Jessica L Miller	2000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-11E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 10:44
SDG#: ATG96-09

Stantec
ELLE Sample #: **SW 9229396**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.52 D1	0.52	10
10225	PCB-1221	11104-28-2	< 0.52 D1	0.52	10
10225	PCB-1232	11141-16-5	< 0.52 D1	0.52	10
10225	PCB-1242	53469-21-9	< 0.52 D1	0.52	10
10225	PCB-1248	12672-29-6	< 0.52 D1	0.52	10
10225	PCB-1254	11097-69-1	4.6 D2	0.52	10
10225	PCB-1260	11096-82-5	< 0.52 D1	0.52	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	3.3	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	172780031A	10/12/2017 09:00	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-12(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 10:45
SDG#: ATG96-10

Stantec
ELLE Sample #: SW 9229397
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 11	D1	11	200
10225	PCB-1221	11104-28-2	< 11	D1	11	200
10225	PCB-1232	11141-16-5	< 11	D1	11	200
10225	PCB-1242	53469-21-9	< 11	D1	11	200
10225	PCB-1248	12672-29-6	< 11	D1	11	200
10225	PCB-1254	11097-69-1	130	D2	11	200
10225	PCB-1260	11096-82-5	< 11	D1	11	200
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.2		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	172780031A	10/12/2017 09:23	Jessica L Miller	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-23(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229398**
ELLE Group #: **1855181**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:23
SDG#: ATG96-11

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 30	D1	30	500
10225	PCB-1221	11104-28-2	< 30	D1	30	500
10225	PCB-1232	11141-16-5	< 30	D1	30	500
10225	PCB-1242	53469-21-9	< 30	D1	30	500
10225	PCB-1248	12672-29-6	< 30	D1	30	500
10225	PCB-1254	11097-69-1	120	D2	30	500
10225	PCB-1260	11096-82-5	< 30	D1	30	500
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	17.3		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	172780031A	10/12/2017 09:46	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-23E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:24
SDG#: ATG96-12

Stantec
ELLE Sample #: **SW 9229399**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 28	D1	28	500
10225	PCB-1221	11104-28-2	< 28	D1	28	500
10225	PCB-1232	11141-16-5	< 28	D1	28	500
10225	PCB-1242	53469-21-9	< 28	D1	28	500
10225	PCB-1248	12672-29-6	< 28	D1	28	500
10225	PCB-1254	11097-69-1	290	D2	28	500
10225	PCB-1260	11096-82-5	< 28	D1	28	500
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	11.4		0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.					

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172780031A	10/12/2017 09:57	Jessica L Miller	500
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172780031A	10/06/2017 07:30	Michelle A Newswanger	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-24W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:25
SDG#: ATG96-13BKG

Stantec
ELLE Sample #: SW 9229400
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	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	7.1	D1	1.1	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	10.6		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	172790009A	10/11/2017 01:01	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-24WMS Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229401**
ELLE Group #: **1855181**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:25
SDG#: ATG96-13MS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1 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	5.9 D1	1.1	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00118	Moisture	n.a.	10.6	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	172790009A	10/11/2017 01:12	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-24WMSD Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:25
SDG#: ATG96-13MSD

Stantec
ELLE Sample #: SW 9229402
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	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	7.0	D1	1.1	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported. This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	10.6		0.50	1
00121	Moisture Duplicate	n.a.	10.5		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	172790009A	10/11/2017 01:24	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **DUP2-2 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:25
SDG#: ATG96-14FD

Stantec
ELLE Sample #: **SW 9229403**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	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	7.8	D1	1.1	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	10.1		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	172790009A	10/11/2017 01:35	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-24(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 11:26
SDG#: ATG96-15

Stantec
ELLE Sample #: SW 9229404
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.8	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

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.7		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	172790009A	10/11/2017 01:47	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-24E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:27
SDG#: ATG96-16

Stantec
ELLE Sample #: **SW 9229405**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2	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	5.6	D1	1.2	20
10225	PCB-1260	11096-82-5	4.1	D1	1.2	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	20.8		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790009A	10/11/2017 01:58	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-25W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:28
SDG#: ATG96-17

Stantec
ELLE Sample #: **SW 9229406**
ELLE Group #: **1855181**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.1	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	4.3	D1	1.1	20

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.1		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	172790009A	10/11/2017 02:10	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-25(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 11:29
SDG#: ATG96-18

Stantec
ELLE Sample #: SW 9229407
ELLE Group #: 1855181
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.9	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	12	D1	2.9	50
10225	PCB-1260	11096-82-5	7.0	D1	2.9	50

The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported.
This applies to the DCB surrogate.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	13.0		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	172790009A	10/11/2017 02:21	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790009A	10/07/2017 23:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17275820008B	10/03/2017 00:50	Scott W Freisher	1

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Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 16:40

Group Number: 1855181

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: 172780031A	Sample number(s): 9229388-9229399	
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: 172790009A	Sample number(s): 9229400-9229407	
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: 172780031A	Sample number(s): 9229388-9229399								
PCB-1016	0.501	0.461			92		80-121		
PCB-1260	0.501	0.542			108		84-125		
Batch number: 172790009A	Sample number(s): 9229400-9229407								
PCB-1016	0.501	0.465			93		80-121		
PCB-1260	0.501	0.516			103		84-125		
	%	%	%	%					
Batch number: 17275820008A	Sample number(s): 9229388-9229394								
Moisture	89.5	89.32			100		99-101		
Batch number: 17275820008B	Sample number(s): 9229395-9229407								
Moisture	89.5	89.32			100		99-101		
Moisture	89.5	89.32			100		99-101		

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

Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 16:40

Group Number: 1855181

LCS/LCSD (continued)

Analysis Name	LCS Spike Added %	LCS Conc %	LCSD Spike Added %	LCSD Conc %	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Moisture Duplicate	89.5	89.32			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: 172780031A	Sample number(s): 9229388-9229399 UNSPK: P229385									
PCB-1016	< 25	0.496	< 25	0.477	< 24	0*	0*	80-121	0	50
PCB-1260	< 25	0.496	< 25	0.477	< 24	0*	0*	84-125	0	50
Batch number: 172790009A	Sample number(s): 9229400-9229407 UNSPK: 9229400									
PCB-1016	< 1.0	0.498	0.544	0.495	0.538	109	109	80-121	1	50
PCB-1260	6.31	0.498	5.25	0.495	6.29	-210 (2)	-2 (2)	84-125	18	50

Laboratory Duplicate

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

Analysis Name	BKG Conc %	DUP Conc %	DUP RPD	DUP RPD Max
Batch number: 17275820008A	Sample number(s): 9229388-9229394 BKG: 9229392			
Moisture	7.94	7.77	2	5
Batch number: 17275820008B	Sample number(s): 9229395-9229407 BKG: 9229400, P229400			
Moisture	10.59	10.48	1	5
Moisture	10.59	10.48	1	5
Moisture Duplicate	10.59	10.48	1	5

Surrogate Quality Control

*- 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.

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Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 16:40

Group Number: 1855181

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: 172780031A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229388	206*	184*	146	171*
9229389	373*	175*	152	187*
9229390	131	172*	128	135
9229391	712*	191*	136	233*
9229392	233*	178*	144	179*
9229393	158*	139	126	169*
9229394	223*	142	123	153
9229395	348*	159	125	185*
9229396	94	123	94	114
9229397	262*	174*	120	149
9229398	240*	180*	139	173*
9229399	301*	180*	139	164
Blank	102	110	99	109
LCS	99	104	98	104
MS	221*	187*	153*	153
MSD	161*	117	97	88
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172790009A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229400	94	99	122	105
9229401	95	98	118	106
9229402	95	101	115	112
9229403	97	101	116	117
9229404	92	113	123	117
9229405	72	93	94	96
9229406	99	100	132	117
9229407	79	100	99	98
Blank	103	88	144	102
LCS	100	90	124	101
MS	95	98	118	106
MSD	95	101	115	112
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 # 1855181 Sample # 9229388-407

COC # 528665

10 of 25

Client Information

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

Matrix: 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	Soil	Water	Other	Total # of Containers	PCBs 3550B	Remarks
T2-9 (1.5-1.8)	9-22-17	1036	X		X			1	X	
T2-9a (1.5-1.8)		1037	X		X			1	X	
T2-9E		1038	X		X			1	X	
T2-10 (1.5-1.8)		1039	X		X			1	X	
T2-10a (1.5-1.8)		1040	X		X			1	X	
T2-10E		1041	X		X			1	X	
T2-11 (1.5-1.8)		1042	X		X			1	X	
T2-11a (1.5-1.8)		1043	X		X			1	X	
T2-11E		1044	X		X			1	X	
T2-12 (1.5-1.8)	9-22-17	1045	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: ____

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

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

EDD Required? Yes No
If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx ____ Other ____

Temperature upon receipt 1.1-2.4 °C

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1855181 Sample # 9229388-407

COC # 528670 15 of 25

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

Matrix

Tissue ☐ Sediment ☐ Soil ☒ Water: Ground ☐ Potable ☐ Surface ☐ NPDES ☐ 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	PCB 3550B	Remarks
T2-23 (1.5-1.8)	9-22-17	1123	X	X	1	X	
T2-23E		1124	X	X	1	X	
T2-24W		1125	X	X	1	X	
T2-24W MS		1125	X	X	1	X	
T2-24W MSD		1125	X	X	1	X	
DUP2-2		1125	X	X	1	X	
T2-24 (1.5-1.8)		1126	X	X	1	X	
T2-24E		1127	X	X	1	X	
T2-25W		1128	X	X	1	X	
T2-25 (1.5-1.8)	9-22-17	1129	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	1255	[signature]	9/26/17	1305
[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.

7044 0216

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Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855181

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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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: ATG96

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9229388	T2-9(1.5-1.8)		X	500	
9229389	T2-9a(1.5-1.8)		X	2000	
9229390	T2-9E		X	200	
9229391	T2-10(1.5-1.8)		X	5000	
9229392	T2-10a(1.5-1.8)		X	1000	
9229393	T2-10E		X	1000	
9229394	T2-11(1.5-1.8)		X	1000	
9229395	T2-11a(1.5-1.8)		X	2000	
9229396	T2-11E		X	10	
9229397	T2-12(1.5-1.8)		X	200	
9229398	T2-23(1.5-1.8)		X	500	
9229399	T2-23E		X	500	
9229400	T2-24W		X	20	Unspiked
9229401	T2-24WMS		X	20	Matrix Spike
9229402	T2-24WMSD		X	20	Matrix Spike Duplicate
9229403	DUP2-2		X	20	Field Duplicate Sample
9229404	T2-24(1.5-1.8)		X	50	
9229405	T2-24E		X	20	
9229406	T2-25W		X	20	
9229407	T2-25(1.5-1.8)		X	50	

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: ATG96

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229388-9229407: 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.

(Sample number(s): 9229400-9229407: Analysis: 10225)
The % difference for the calibration verification standard is outside the +/- 15% criteria for the analyte(s) listed below. Since the average of the % difference values meets the criteria, the results are reported. This applies to the DCB surrogate.

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#: 172790009A (Sample number(s): 9229400-9229407, UNSPK: 9229400)
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#: 172780031A (Sample number(s): 9229388-9229399)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9229388, 9229389, 9229390, 9229391, 9229392, 9229397, 9229398, 9229399), Decachlorobiphenyl-D2 (9229388, 9229389, 9229391, 9229392, 9229393, 9229395, 9229398), Tetrachloro-m-xylene-D1 (9229388, 9229389, 9229391, 9229392, 9229393, 9229394, 9229395, 9229397, 9229398, 9229399)

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG96

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

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: ATG96

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172780031A	PBLK31278	10/12/2017 05:47:00
		LCS31278	10/12/2017 05:58:00
		9229388	10/12/2017 07:06:00
		9229389	10/12/2017 07:17:00
		9229390	10/12/2017 07:52:00
		9229391	10/12/2017 08:03:00
		9229392	10/12/2017 08:14:00
		9229393	10/12/2017 08:25:00
		9229394	10/12/2017 08:37:00
		9229395	10/12/2017 08:48:00
		9229396	10/12/2017 09:00:00
		9229397	10/12/2017 09:23:00
		9229398	10/12/2017 09:46:00
		9229399	10/12/2017 09:57:00
PCBs in Solids by 8082/3550	172790009A	PBLK09279	10/11/2017 00:38:00
		LCS09279	10/11/2017 00:50:00
		9229400 UNSPK	10/11/2017 01:01:00
		9229401 MS	10/11/2017 01:12:00
		9229402 MSD	10/11/2017 01:24:00
		9229403	10/11/2017 01:35:00
		9229404	10/11/2017 01:47:00
		9229405	10/11/2017 01:58:00
		9229406	10/11/2017 02:10:00
		9229407	10/11/2017 02:21:00

Lancaster Laboratories Environmental

Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATG96
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172780031A / PBLK31278 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/12/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/12/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/12/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/12/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/12/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/12/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/12/17	N.D.	mg/kg	0.012	0.051

172790009A / PBLK09279 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/11/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/11/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/11/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/11/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/11/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/11/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/11/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATG96
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172780031A	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
PBLK31278	110	48 - 164	109	48 - 164	102	61 - 152	99	61 - 152
LCS31278	104	48 - 164	104	48 - 164	99	61 - 152	98	61 - 152
9229388	184 *	48 - 164	171 *	48 - 164	206 *	61 - 152	146	61 - 152
9229389	175 *	48 - 164	187 *	48 - 164	373 *	61 - 152	152	61 - 152
9229390	172 *	48 - 164	135	48 - 164	131	61 - 152	128	61 - 152
9229391	191 *	48 - 164	233 *	48 - 164	712 *	61 - 152	136	61 - 152
9229392	178 *	48 - 164	179 *	48 - 164	233 *	61 - 152	144	61 - 152
9229393	139	48 - 164	169 *	48 - 164	158 *	61 - 152	126	61 - 152
9229394	142	48 - 164	153	48 - 164	223 *	61 - 152	123	61 - 152
9229395	159	48 - 164	185 *	48 - 164	348 *	61 - 152	125	61 - 152
9229396	123	48 - 164	114	48 - 164	94	61 - 152	94	61 - 152
9229397	174 *	48 - 164	149	48 - 164	262 *	61 - 152	120	61 - 152
9229398	180 *	48 - 164	173 *	48 - 164	240 *	61 - 152	139	61 - 152
9229399	180 *	48 - 164	164	48 - 164	301 *	61 - 152	139	61 - 152

172790009A	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
PBLK09279	88	48 - 164	102	48 - 164	103	61 - 152	144	61 - 152
LCS09279	90	48 - 164	101	48 - 164	100	61 - 152	124	61 - 152
9229400 UNSPK	99	48 - 164	105	48 - 164	94	61 - 152	122	61 - 152
9229401 MS	98	48 - 164	106	48 - 164	95	61 - 152	118	61 - 152
9229402 MSD	101	48 - 164	112	48 - 164	95	61 - 152	115	61 - 152
9229403	101	48 - 164	117	48 - 164	97	61 - 152	116	61 - 152
9229404	113	48 - 164	117	48 - 164	92	61 - 152	123	61 - 152
9229405	93	48 - 164	96	48 - 164	72	61 - 152	94	61 - 152
9229406	100	48 - 164	117	48 - 164	99	61 - 152	132	61 - 152
9229407	100	48 - 164	98	48 - 164	79	61 - 152	99	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: ATG96
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9229400 MS: 9229401 MSD: 9229402 **Analyte**	Batch: **172790009A** (Sample number(s): 9229400-9229407)								
	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	0.498 / 0.495	0	0.544	0.538	109	109	80-121	1	50
PCB-1260	0.498 / 0.495	6.31	5.25	6.29	-210 (2)	-2 (2)	84-125	18	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: ATG96
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS31278	Batch: **172780031A** (Sample number(s): 9229388-9229399)							
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	0.461	NA	92	NA	80-121	NA	NA
PCB-1260	0.501	0.542	NA	108	NA	84-125	NA	NA

LCS: LCS09279	Batch: **172790009A** (Sample number(s): 9229400-9229407)							
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	0.465	NA	93	NA	80-121	NA	NA
PCB-1260	0.501	0.516	NA	103	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

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	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.90	2.96
Decachlorobiphenyl	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.57	6.63

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	CALIBRATION FACTORS							
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	%RSD
Tetrachloro-m-xylene	1.50E+05	1.48E+05	1.48E+05	1.55E+05	1.52E+05	1.51E+05	1.51E+05	2
Decachlorobiphenyl	1.08E+05	1.08E+05	8.97E+04	9.14E+04	9.17E+04	9.06E+04	9.64E+04	9

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.18	3.16	3.20	2940	2639	1	25.25	74237	9.42
	1				2928		2	50.5	147862	
	1				2616		3	101	264191	
	1				2583		4	202	521738	
	1				2417		5	505	1220770	
	1				2352		6	1010	2375458	
	2	3.40	3.38	3.42	2765	2441	1	25.25	69806	9.68
	2				2618		2	50.5	132203	
	2				2447		3	101	247161	
	2				2470		4	202	498895	
	2				2181		5	505	1101399	
	2				2167		6	1010	2188928	
	3	3.51	3.49	3.53	3555	3127	1	25.25	89757	9.34
	3				3384		2	50.5	170897	
	3				3117		3	101	314798	
	3				3035		4	202	613026	
	3				2857		5	505	1442974	
	3				2816		6	1010	2844411	
	4	3.73	3.71	3.75	3891	3570	1	25.25	98237	7.04
	4				3882		2	50.5	196020	
	4				3432		3	101	346604	
	4				3506		4	202	708205	
	4				3346		5	505	1689949	
	4				3363		6	1010	3396286	
	5	3.78	3.76	3.80	3236	3086	1	25.25	81699	4.37
	5				3276		2	50.5	165460	
	5				3032		3	101	306244	
	5				3020		4	202	609944	
	5				3004		5	505	1517115	
	5				2951		6	1010	2980047	
	6	3.98	3.96	4.00	2359	2077	1	25.25	59566	10.12
	6				2321		2	50.5	117205	
	6				2002		3	101	202237	
	6				2002		4	202	404465	
	6				1885		5	505	952106	
	6				1893		6	1010	1911845	
Aroclor-1221	1	3.08	3.06	3.10	1127	1127	1	200.24	225576	.00
	2	3.13	3.11	3.15	992	992	1	200.24	198590	.00
	3	3.18	3.16	3.20	3082	3082	1	200.24	617151	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.18	3.16	3.20	2699	2699	1	200.6	541380	.00
	2	3.40	3.38	3.42	1006	1006	1	200.6	201778	.00
	3	3.51	3.49	3.53	1358	1358	1	200.6	272482	.00
	4	3.72	3.70	3.74	1651	1651	1	200.6	331267	.00
	5	3.78	3.76	3.80	1219	1219	1	200.6	244522	.00
	6	3.97	3.95	3.99	830	830	1	200.6	166464	.00
Aroclor-1242	1	3.18	3.16	3.20	3645	3645	1	200	729023	.00
	2	3.39	3.37	3.41	3087	3087	1	200	617361	.00
	3	3.51	3.49	3.53	4140	4140	1	200	828044	.00
	4	3.72	3.70	3.74	5143	5143	1	200	1028566	.00
	5	3.78	3.76	3.80	3946	3946	1	200	789192	.00
	6	3.97	3.95	3.99	2672	2672	1	200	534426	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.73	3.71	3.75	2199	1948	1	25.08	55144	8.69
	1				2056		2	50.16	103145	
	1				1991		3	100.32	199782	
	1				1893		4	200.64	379869	
	1				1819		5	501.6	912185	
	1				1731		6	1003.2	1736291	
	2	3.78	3.76	3.80	1846	1686	1	25.08	46297	7.25
	2				1785		2	50.16	89558	
	2				1720		3	100.32	172560	
	2				1660		4	200.64	333119	
	2				1524		5	501.6	764682	
	2				1580		6	1003.2	1584918	
	3	3.85	3.83	3.87	2980	2549	1	25.08	74742	9.90
	3				2671		2	50.16	133962	
	3				2566		3	100.32	257411	
	3				2433		4	200.64	488241	
	3				2298		5	501.6	1152563	
	3				2346		6	1003.2	2354004	
	4	4.00	3.98	4.02	910	791	1	25.08	22821	11.09
	4				828		2	50.16	41526	
	4				851		3	100.32	85373	
	4				769		4	200.64	154287	
	4				694		5	501.6	348256	
	4				693		6	1003.2	695508	
	5	4.06	4.04	4.08	2836	2497	1	25.08	71123	7.69
	5				2592		2	50.16	130035	
	5				2471		3	100.32	247885	
	5				2407		4	200.64	482847	
	5				2319		5	501.6	1163222	
	5				2355		6	1003.2	2362903	
	6	4.24	4.22	4.26	2576	2392	1	25.08	64604	4.90
	6				2460		2	50.16	123410	
	6				2391		3	100.32	239898	
	6				2310		4	200.64	463476	
	6				2241		5	501.6	1123872	
	6				2371		6	1003.2	2379011	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.57	4.55	4.59	3524	3037	1	25.15	88639	9.69
	1				3238		2	50.3	162866	
	1				2986		3	100.6	300372	
	1				2921		4	251.5	734734	
	1				2801		5	503	1408852	
	1				2749		6	1006	2765197	
	2	4.63	4.61	4.65	6518	5946	1	25.15	163921	5.93
	2				6170		2	50.3	310363	
	2				5998		3	100.6	603427	
	2				5696		4	251.5	1432645	
	2				5664		5	503	2848828	
	2				5630		6	1006	5663342	
	3	4.75	4.73	4.77	2218	1910	1	25.15	55776	11.86
	3				2118		2	50.3	106552	
	3				1977		3	100.6	198907	
	3				1734		4	251.5	436075	
	3				1733		5	503	871733	
	3				1683		6	1006	1692597	
	4	4.84	4.82	4.86	4638	4062	1	25.15	116643	7.48
	4				4139		2	50.3	208208	
	4				3926		3	100.6	394941	
	4				3984		4	251.5	1001875	
	4				3869		5	503	1946354	
	4				3813		6	1006	3835777	
	5	5.04	5.02	5.06	3196	2959	1	25.15	80380	5.43
	5				3036		2	50.3	152727	
	5				2966		3	100.6	298380	
	5				2705		4	251.5	680271	
	5				2931		5	503	1474181	
	5				2918		6	1006	2935827	
	6	5.15	5.13	5.17	4729	4150	1	25.15	118945	7.93
	6				4271		2	50.3	214832	
	6				4090		3	100.6	411468	
	6				4099		4	251.5	1030860	
	6				3784		5	503	1903509	
	6				3925		6	1006	3948457	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.75	4.73	4.77	5081	4672	1	25.21	128081	8.13
	1				5194		2	50.41	261845	
	1				4637		3	100.82	467474	
	1				4416		4	201.64	890522	
	1				4416		5	504.1	2225967	
	1				4287		6	1008.2	4321870	
	2	4.95	4.93	4.97	5917	5401	1	25.21	149180	6.85
	2				5822		2	50.41	293463	
	2				5174		3	100.82	521665	
	2				5266		4	201.64	1061902	
	2				5068		5	504.1	2554685	
	2				5157		6	1008.2	5199572	
	3	5.15	5.13	5.17	6776	6549	1	25.21	170834	4.71
	3				7058		2	50.41	355804	
	3				6223		3	100.82	627369	
	3				6393		4	201.64	1289158	
	3				6413		5	504.1	3232627	
	3				6428		6	1008.2	6481004	
	4	5.38	5.36	5.40	3923	3482	1	25.21	98888	9.45
	4				3845		2	50.41	193809	
	4				3361		3	100.82	338825	
	4				3384		4	201.64	682367	
	4				3088		5	504.1	1556701	
	4				3292		6	1008.2	3319424	
	5	5.62	5.60	5.64	8675	8690	1	25.21	218690	4.63
	5				9367		2	50.41	472203	
	5				8124		3	100.82	819012	
	5				8704		4	201.64	1755057	
	5				8530		5	504.1	4299768	
	5				8742		6	1008.2	8813694	
	6	5.82	5.80	5.84	6068	5485	1	25.21	152973	7.62
	6				5973		2	50.41	301117	
	6				5188		3	100.82	523052	
	6				5250		4	201.64	1058691	
	6				5158		5	504.1	2600012	
	6				5272		6	1008.2	5315422	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728401

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.22	5.20	5.24	5453	5453	1	200.8	1094890	.00
	2	5.38	5.36	5.40	4753	4753	1	200.8	954322	.00
	3	5.62	5.60	5.64	10755	10755	1	200.8	2159702	.00
	4	5.82	5.80	5.84	7086	7086	1	200.8	1422966	.00
	5	5.88	5.86	5.90	3352	3352	1	200.8	672997	.00
	6	6.25	6.23	6.27	4055	4055	1	200.8	814171	.00
Aroclor-1268	1	5.82	5.80	5.84	12208	12208	1	201	2453716	.00
	2	5.88	5.86	5.90	11000	11000	1	201	2211002	.00
	3	6.02	6.00	6.04	10232	10232	1	201	2056730	.00
	4	6.08	6.06	6.10	2849	2849	1	201	572697	.00
	5	6.25	6.23	6.27	4441	4441	1	201	892549	.00
	6	6.45	6.43	6.47	33999	33999	1	201	6833717	.00

File Name: V:\CP25\25PCBS1728401.CAL
Version: 14

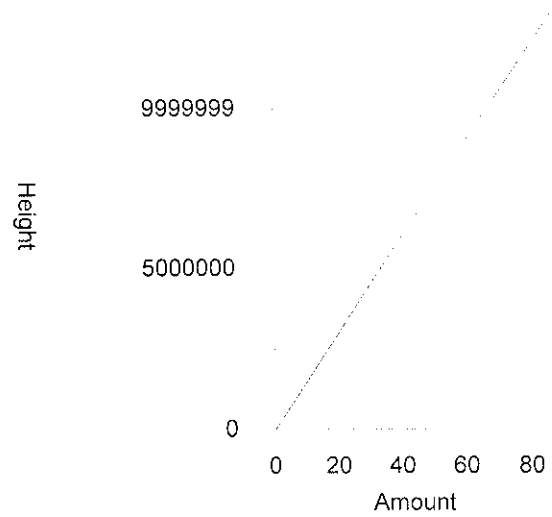
Creator:
Description:
Reason for change:

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:	2.93 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

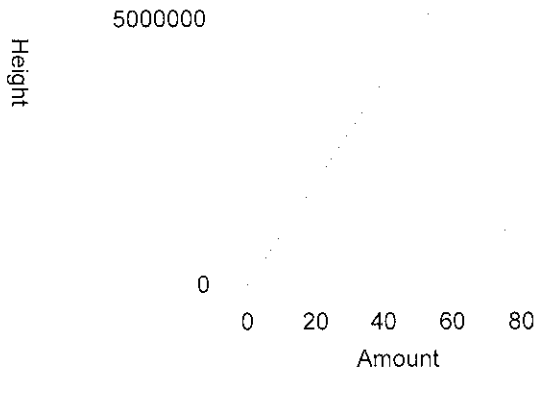
Y = 150870.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996395
Average error:	1.350%
Average CF:	150870.8
RSD:	1.780%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	299789.9	149895	-0.647	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.007.I
2	4	593407.7	148351.9	-1.670	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.008.I
3	20	2965107	148255.3	-1.734	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.009.I
4	40	6215760	155394	2.998	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.010.I
5	60.8	9240029	151974.2	0.731	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.011.I
6	80	1.210833E+07	151354.1	0.320	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.012.I

2 DCB



Expected retention time:	6.6 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 = 96391.43 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9911743
Average error:	7.695%
Average CF:	96391.43
RSD:	8.968%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	216109.8	107517.3	11.542	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.007.B
2	4.02	432215.3	107516.3	11.541	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.008.B
3	20.12	1804758	89699.7	-6.942	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.009.B
4	40.24	3676784	91371.37	-5.208	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.010.B
5	61.16	5606562	91670.41	-4.898	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.011.B
6	80.48	7289360	90573.55	-6.036	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.012.B

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

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	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.58	2.64
Decachlorobiphenyl	6.10	6.10	6.10	6.10	6.10	6.10	6.10	6.07	6.13

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	CALIBRATION FACTORS							
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	%RSD
Tetrachloro-m-xylene	2.64E+05	2.66E+05	2.70E+05	2.77E+05	2.81E+05	2.78E+05	2.72E+05	3
Decachlorobiphenyl	3.10E+05	3.37E+05	2.90E+05	2.97E+05	2.87E+05	2.97E+05	3.03E+05	6

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.90	2.88	2.92	5660	4783	1	25.25	142925	12.39
	1				5295		2	50.5	267377	
	1				4658		3	101	470504	
	1				4700		4	202	949485	
	1				4233		5	505	2137723	
	1				4150		6	1010	4192002	
	2	3.23	3.21	3.25	6677	5792	1	25.25	168603	10.86
	2				6344		2	50.5	320391	
	2				5697		3	101	575434	
	2				5769		4	202	1165309	
	2				5177		5	505	2614342	
	2				5084		6	1010	5135050	
	3	3.42	3.40	3.44	6331	5685	1	25.25	159855	7.57
	3				6031		2	50.5	304578	
	3				5593		3	101	564908	
	3				5622		4	202	1135682	
	3				5157		5	505	2604305	
	3				5374		6	1010	5427647	
	4	3.49	3.47	3.51	6575	6251	1	25.25	166007	4.33
	4				6572		2	50.5	331876	
	4				6129		3	101	619044	
	4				6236		4	202	1259728	
	4				6081		5	505	3070676	
	4				5913		6	1010	5972389	
	5	3.55	3.53	3.57	5803	5200	1	25.25	146524	8.15
	5				5622		2	50.5	283932	
	5				5089		3	101	513953	
	5				5079		4	202	1025989	
	5				4897		5	505	2472852	
	5				4712		6	1010	4759248	
	6	3.66	3.64	3.68	5810	5252	1	25.25	146693	8.86
	6				5857		2	50.5	295781	
	6				5110		3	101	516146	
	6				5049		4	202	1019843	
	6				4903		5	505	2475795	
	6				4781		6	1010	4828636	
Aroclor-1221	1	2.79	2.77	2.81	2299	2299	1	200.24	460451	.00
	2	2.85	2.83	2.87	1390	1390	1	200.24	278267	.00
	3	2.90	2.88	2.92	5614	5614	1	200.24	1124130	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.90	2.88	2.92	5097	5097	1	200.6	1022375	.00
	2	3.23	3.21	3.25	2563	2563	1	200.6	514135	.00
	3	3.42	3.40	3.44	2529	2529	1	200.6	507393	.00
	4	3.49	3.47	3.51	2606	2606	1	200.6	522741	.00
	5	3.55	3.53	3.57	1775	1775	1	200.6	356032	.00
	6	3.65	3.63	3.67	2033	2033	1	200.6	407759	.00
Aroclor-1242	1	2.90	2.88	2.92	6263	6263	1	200	1252540	.00
	2	3.23	3.21	3.25	7539	7539	1	200	1507898	.00
	3	3.42	3.40	3.44	8309	8309	1	200	1661843	.00
	4	3.49	3.47	3.51	8215	8215	1	200	1643000	.00
	5	3.55	3.53	3.57	5798	5798	1	200	1159602	.00
	6	3.65	3.63	3.67	6995	6995	1	200	1399018	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.42	3.40	3.44	3377	2876	1	25.08	84698	10.34
	1				2958		2	50.16	148383	
	1				2973		3	100.32	298292	
	1				2760		4	200.64	553796	
	1				2558		5	501.6	1283245	
	1				2631		6	1003.2	2639138	
	2	3.49	3.47	3.51	3960	3460	1	25.08	99323	8.86
	2				3574		2	50.16	179276	
	2				3584		3	100.32	359497	
	2				3291		4	200.64	660402	
	2				3161		5	501.6	1585462	
	2				3190		6	1003.2	3200039	
	3	3.53	3.51	3.55	6598	5672	1	25.08	165477	9.72
	3				5975		2	50.16	299730	
	3				5744		3	100.32	576214	
	3				5246		4	200.64	1052598	
	3				5218		5	501.6	2617194	
	3				5252		6	1003.2	5269139	
	4	3.66	3.64	3.68	7869	6946	1	25.08	197348	7.53
	4				7203		2	50.16	361311	
	4				6876		3	100.32	689806	
	4				6716		4	200.64	1347433	
	4				6447		5	501.6	3233997	
	4				6567		6	1003.2	6587784	
	5	3.75	3.73	3.77	5192	4816	1	25.08	130212	4.57
	5				4868		2	50.16	244169	
	5				4718		3	100.32	473288	
	5				4519		4	200.64	906709	
	5				4811		5	501.6	2413343	
	5				4788		6	1003.2	4803154	
	6	3.88	3.86	3.90	9091	8469	1	25.08	227990	4.52
	6				8709		2	50.16	436849	
	6				8530		3	100.32	855692	
	6				8125		4	200.64	1630266	
	6				8203		5	501.6	4114444	
	6				8157		6	1003.2	8183394	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.24	4.22	4.26	13126	12894	1	25.15	330129	3.24
	1				12869		2	50.3	647296	
	1				12734		3	100.6	1281075	
	1				12298		4	251.5	3092961	
	1				12790		5	503	6433314	
	1				13547		6	1006	13627950	
	2	4.33	4.31	4.35	6903	6251	1	25.15	173617	6.34
	2				6541		2	50.3	328995	
	2				6215		3	100.6	625229	
	2				5949		4	251.5	1496082	
	2				5969		5	503	3002234	
	2				5928		6	1006	5963578	
	3	4.40	4.38	4.42	7501	7628	1	25.15	188650	5.66
	3				7466		2	50.3	375563	
	3				7140		3	100.6	718311	
	3				7339		4	251.5	1845659	
	3				8161		5	503	4104816	
	3				8160		6	1006	8208709	
	4	4.46	4.44	4.48	5408	4871	1	25.15	136005	7.23
	4				5162		2	50.3	259668	
	4				4870		3	100.6	489884	
	4				4528		4	251.5	1138851	
	4				4549		5	503	2288354	
	4				4707		6	1006	4735618	
	5	4.61	4.59	4.63	5509	5543	1	25.15	138539	3.85
	5				5273		2	50.3	265230	
	5				5524		3	100.6	555731	
	5				5403		4	251.5	1358951	
	5				5662		5	503	2847807	
	5				5889		6	1006	5924366	
	6	4.69	4.67	4.71	8922	8414	1	25.15	224377	3.87
	6				8639		2	50.3	434518	
	6				8206		3	100.6	825480	
	6				8148		4	251.5	2049162	
	6				8092		5	503	4070224	
	6				8478		6	1006	8528609	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.33	4.31	4.35	11635	10933	1	25.21	293323	5.38
	1				11704		2	50.41	590018	
	1				10429		3	100.82	1051415	
	1				10529		4	201.64	2123094	
	1				10472		5	504.1	5279124	
	1				10830		6	1008.2	10918560	
	2	4.46	4.44	4.48	12086	11728	1	25.21	304698	4.65
	2				12538		2	50.41	632034	
	2				11009		3	100.82	1109974	
	2				11680		4	201.64	2355175	
	2				11300		5	504.1	5696349	
	2				11754		6	1008.2	11850120	
	3	4.57	4.55	4.59	9750	9737	1	25.21	245791	4.36
	3				10422		2	50.41	525350	
	3				9208		3	100.82	928387	
	3				9964		4	201.64	2009081	
	3				9435		5	504.1	4756024	
	3				9645		6	1008.2	9724142	
	4	4.91	4.89	4.93	7735	7561	1	25.21	195002	4.73
	4				7917		2	50.41	399091	
	4				6929		3	100.82	698604	
	4				7795		4	201.64	1571866	
	4				7395		5	504.1	3727591	
	4				7593		6	1008.2	7654920	
	5	5.11	5.09	5.13	16416	17122	1	25.21	413845	4.79
	5				16883		2	50.41	851065	
	5				16137		3	100.82	1626908	
	5				17174		4	201.64	3463037	
	5				17882		5	504.1	9014132	
	5				18241		6	1008.2	18390400	
	6	5.36	5.34	5.38	11843	12644	1	25.21	298571	5.02
	6				13363		2	50.41	673616	
	6				12008		3	100.82	1210656	
	6				12600		4	201.64	2540643	
	6				13309		5	504.1	6708825	
	6				12741		6	1008.2	12845610	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728401B

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

ICAL Date(s) Analyzed: 10/11/2017 10/12/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.72	4.70	4.74	11718	11718	1	200.8	2352888	.00
	2	4.91	4.89	4.93	11081	11081	1	200.8	2225150	.00
	3	5.11	5.09	5.13	23114	23114	1	200.8	4641198	.00
	4	5.32	5.30	5.34	9171	9171	1	200.8	1841581	.00
	5	5.37	5.35	5.39	15702	15702	1	200.8	3152938	.00
	6	5.74	5.72	5.76	10582	10582	1	200.8	2124954	.00
Aroclor-1268	1	5.32	5.30	5.34	27315	27315	1	201	5490231	.00
	2	5.37	5.35	5.39	27729	27729	1	201	5573608	.00
	3	5.52	5.50	5.54	25273	25273	1	201	5079911	.00
	4	5.59	5.57	5.61	6898	6898	1	201	1386425	.00
	5	5.74	5.72	5.76	11101	11101	1	201	2231251	.00
	6	5.94	5.92	5.96	100882	100882	1	201	20277330	.00

File Name: V:\CP25\25PCBS1728401b.CAL
Version: 15

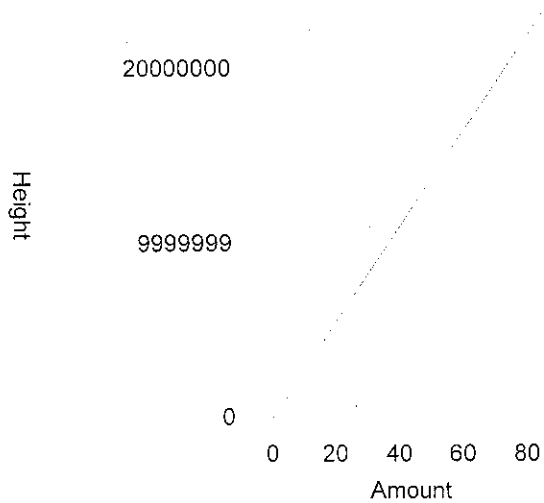
Creator:
Description:
Reason for change:

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:	2.614 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

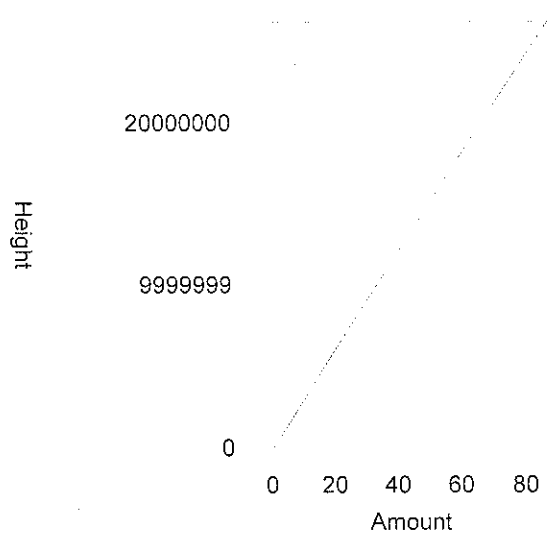
Y = 272436.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9987497
Average error:	2.267%
Average CF:	272436.8
RSD:	2.626%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	527068.6	263534.3	-3.268	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.007
2	4	1062087	265521.8	-2.538	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.008
3	20	5394586	269729.3	-0.994	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.009
4	40	1.108619E+07	277154.8	1.732	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.010
5	60.8	1.706966E+07	280751	3.052	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.011
6	80	2.223437E+07	277929.6	2.016	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B.012

2 DCB



Expected retention time:	6.098 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 = 302735.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9969684
Average error:	4.502%
Average CF:	302735.9
RSD:	6.087%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	622299.4	309601.7	2.268	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B
2	4.02	1353764	336757.2	11.238	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B
3	20.12	5830601	289791.3	-4.276	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B
4	40.24	1.193118E+07	296500.5	-2.060	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B
5	61.16	1.754179E+07	286818	-5.258	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B
6	80.48	2.389827E+07	296946.7	-1.912	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001B

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

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	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.91	2.97
Decachlorobiphenyl	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.58	6.64

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	3.00E+05	2.76E+05	2.73E+05	2.76E+05	2.87E+05	2.79E+05	2.82E+05	4
Decachlorobiphenyl	2.22E+05	2.01E+05	1.84E+05	1.76E+05	1.87E+05	1.80E+05	1.92E+05	9

Average % RSD: 7

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.19	3.17	3.21	5642	4932	1	25.25	142464	10.25
	1				5345		2	50.5	269906	
	1				5027		3	101	507677	
	1				4778		4	202	965156	
	1				4457		5	505	2250800	
	1				4345		6	1010	4388364	
	2	3.40	3.38	3.42	5963	5072	1	25.25	150559	10.37
	2				5299		2	50.5	267607	
	2				5086		3	101	513719	
	2				4931		4	202	996138	
	2				4684		5	505	2365568	
	2				4466		6	1010	4510182	
	3	3.52	3.50	3.54	7192	6088	1	25.25	181592	10.90
	3				6481		2	50.5	327281	
	3				5986		3	101	604616	
	3				5912		4	202	1194192	
	3				5619		5	505	2837408	
	3				5336		6	1010	5389166	
	4	3.73	3.71	3.75	8633	7317	1	25.25	217977	9.77
	4				7549		2	50.5	381205	
	4				7161		3	101	723232	
	4				7105		4	202	1435161	
	4				6723		5	505	3395016	
	4				6730		6	1010	6796908	
	5	3.79	3.77	3.81	6965	6299	1	25.25	175867	6.46
	5				6616		2	50.5	334086	
	5				6181		3	101	624292	
	5				6115		4	202	1235177	
	5				6008		5	505	3033996	
	5				5911		6	1010	5969816	
	6	3.98	3.96	4.00	5534	4781	1	25.25	139730	10.01
	6				5198		2	50.5	262514	
	6				4589		3	101	463451	
	6				4629		4	202	935039	
	6				4363		5	505	2203122	
	6				4371		6	1010	4415058	
Aroclor-1221	1	3.09	3.07	3.11	2427	2427	1	200.1	485622	.00
	2	3.14	3.12	3.16	2181	2181	1	200.1	436452	.00
	3	3.19	3.17	3.21	6805	6805	1	200.1	1361629	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.19	3.17	3.21	5630	5630	1	200.6	1129340	.00
	2	3.40	3.38	3.42	2333	2333	1	200.6	467982	.00
	3	3.52	3.50	3.54	2816	2816	1	200.6	564893	.00
	4	3.73	3.71	3.75	3388	3388	1	200.6	679575	.00
	5	3.79	3.77	3.81	2814	2814	1	200.6	564536	.00
	6	3.98	3.96	4.00	2005	2005	1	200.6	402261	.00
Aroclor-1242	1	3.19	3.17	3.21	6528	6528	1	200	1305602	.00
	2	3.40	3.38	3.42	6560	6560	1	200	1312038	.00
	3	3.52	3.50	3.54	8017	8017	1	200	1603350	.00
	4	3.73	3.71	3.75	9557	9557	1	200	1911411	.00
	5	3.79	3.77	3.81	8559	8559	1	200	1711857	.00
	6	3.98	3.96	4.00	6309	6309	1	200	1261885	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.73	3.71	3.75	4316	3338	1	25.08	108234	16.64
	1				3426		2	50.16	171832	
	1				3460		3	100.32	347074	
	1				3183		4	200.64	638696	
	1				2875		5	501.6	1442346	
	1				2767		6	1003.2	2776106	
	2	3.79	3.77	3.81	4398	3648	1	25.08	110290	13.12
	2				3814		2	50.16	191320	
	2				3911		3	100.32	392306	
	2				3388		4	200.64	679741	
	2				3175		5	501.6	1592603	
	2				3205		6	1003.2	3215730	
	3	3.86	3.84	3.88	7727	6210	1	25.08	193794	15.28
	3				6791		2	50.16	340643	
	3				6352		3	100.32	637254	
	3				5801		4	200.64	1163865	
	3				5290		5	501.6	2653294	
	3				5300		6	1003.2	5316492	
	4	3.98	3.96	4.00	8434	7027	1	25.08	211535	12.46
	4				7485		2	50.16	375472	
	4				7223		3	100.32	724591	
	4				6686		4	200.64	1341379	
	4				6181		5	501.6	3100309	
	4				6151		6	1003.2	6170324	
	5	4.07	4.05	4.09	7143	6066	1	25.08	179152	11.86
	5				6551		2	50.16	328593	
	5				6309		3	100.32	632933	
	5				5633		4	200.64	1130154	
	5				5430		5	501.6	2723500	
	5				5332		6	1003.2	5348736	
	6	4.25	4.23	4.27	7565	6658	1	25.08	189721	9.10
	6				7107		2	50.16	356467	
	6				6765		3	100.32	678707	
	6				6385		4	200.64	1281030	
	6				5975		5	501.6	2996994	
	6				6149		6	1003.2	6169032	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.57	4.55	4.59	9409	8025	1	25.12	236350	10.61
	1				8688		2	50.24	436478	
	1				7881		3	100.48	791866	
	1				7375		4	251.2	1852575	
	1				7537		5	502.4	3786361	
	1				7259		6	1004.8	7294188	
	2	4.64	4.62	4.66	17845	15579	1	25.12	448258	8.49
	2				16392		2	50.24	823532	
	2				15411		3	100.48	1548498	
	2				14506		4	251.2	3643904	
	2				14872		5	502.4	7471742	
	2				14447		6	1004.8	14516800	
	3	4.76	4.74	4.78	5820	4688	1	25.12	146194	15.47
	3				5173		2	50.24	259891	
	3				4824		3	100.48	484705	
	3				4315		4	251.2	1083859	
	3				3944		5	502.4	1981291	
	3				4054		6	1004.8	4073908	
	4	4.85	4.83	4.87	9749	8609	1	25.12	244902	8.22
	4				9198		2	50.24	462120	
	4				8415		3	100.48	845539	
	4				7965		4	251.2	2000796	
	4				8103		5	502.4	4070714	
	4				8227		6	1004.8	8265999	
	5	5.05	5.03	5.07	5831	5244	1	25.12	146469	7.55
	5				5602		2	50.24	281434	
	5				5051		3	100.48	507518	
	5				4772		4	251.2	1198758	
	5				5025		5	502.4	2524788	
	5				5183		6	1004.8	5208296	
	6	5.16	5.14	5.18	9527	8488	1	25.12	239326	7.97
	6				8995		2	50.24	451924	
	6				8464		3	100.48	850472	
	6				7655		4	251.2	1922830	
	6				8044		5	502.4	4041315	
	6				8245		6	1004.8	8285004	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.76	4.74	4.78	12359	10732	1	25.21	311561	7.79
	1				10774		2	50.41	543117	
	1				10511		3	100.82	1059742	
	1				10033		4	201.64	2023074	
	1				10226		5	504.1	5154982	
	1				10491		6	1008.2	10576710	
	2	4.96	4.94	4.98	12199	10490	1	25.21	307533	8.77
	2				10778		2	50.41	543323	
	2				10391		3	100.82	1047572	
	2				9958		4	201.64	2007994	
	2				9813		5	504.1	4946821	
	2				9802		6	1008.2	9882309	
	3	5.16	5.14	5.18	14005	12700	1	25.21	353066	5.80
	3				12226		2	50.41	616325	
	3				12068		3	100.82	1216681	
	3				12244		4	201.64	2468978	
	3				12560		5	504.1	6331530	
	3				13098		6	1008.2	13205680	
	4	5.39	5.37	5.41	7738	7038	1	25.21	195066	6.73
	4				7374		2	50.41	371735	
	4				7099		3	100.82	715745	
	4				6524		4	201.64	1315562	
	4				6945		5	504.1	3500800	
	4				6546		6	1008.2	6599321	
	5	5.63	5.61	5.65	23395	21138	1	25.21	589777	6.83
	5				21493		2	50.41	1083456	
	5				19433		3	100.82	1959239	
	5				19766		4	201.64	3985694	
	5				20972		5	504.1	10572190	
	5				21768		6	1008.2	21946970	
	6	5.83	5.81	5.85	17489	14815	1	25.21	440904	9.92
	6				15388		2	50.41	775723	
	6				13930		3	100.82	1404375	
	6				13401		4	201.64	2702268	
	6				14132		5	504.1	7124071	
	6				14550		6	1008.2	14669140	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728201

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.23	5.21	5.25	12949	12949	1	200.8	2600062	.00
	2	5.39	5.37	5.41	9187	9187	1	200.8	1844654	.00
	3	5.63	5.61	5.65	24157	24157	1	200.8	4850766	.00
	4	5.83	5.81	5.85	19180	19180	1	200.8	3851332	.00
	5	5.89	5.87	5.91	9907	9907	1	200.8	1989390	.00
	6	6.26	6.24	6.28	9857	9857	1	200.8	1979375	.00
Aroclor-1268	1	5.83	5.81	5.85	35586	35586	1	201	7152720	.00
	2	5.89	5.87	5.91	33981	33981	1	201	6830208	.00
	3	6.02	6.00	6.04	30624	30624	1	201	6155380	.00
	4	6.09	6.07	6.11	7511	7511	1	201	1509807	.00
	5	6.26	6.24	6.28	10621	10621	1	201	2134740	.00
	6	6.46	6.44	6.48	78724	78724	1	201	15823610	.00

File Name: V:\CP7\07PCBS1728201.CAL
Version: 8

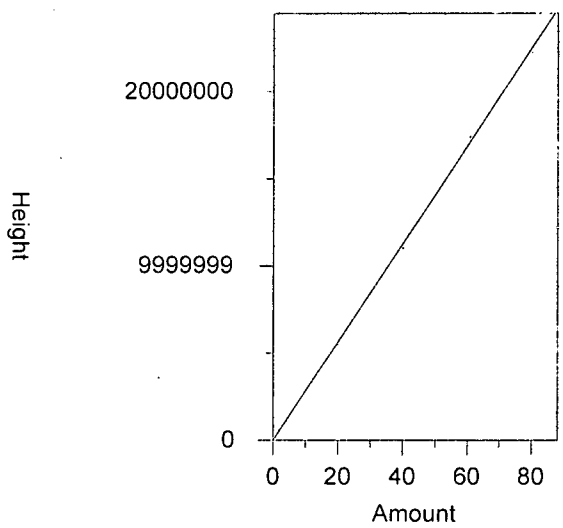
Creator:
Description:
Reason for change:

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: 2.938 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

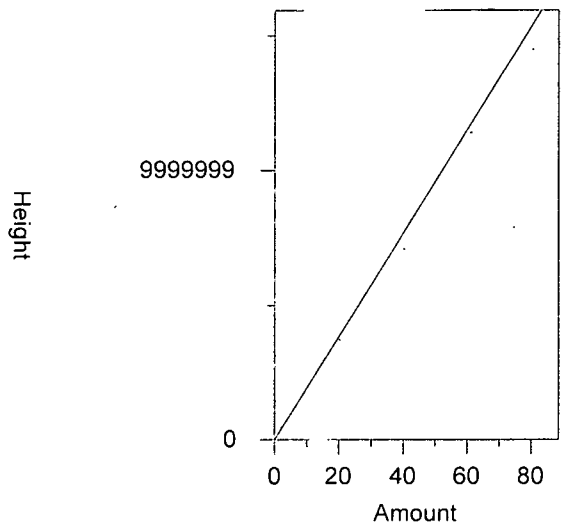
Single peak quantification by height

Y = 281729.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9993783
Average error: 2.770%
Average CF: 281729.5
RSD: 3.616%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	600430	300215	6.561	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0007.
2	4	1105233	276308.3	-1.924	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0008.
3	20	5461204	273060.2	-3.077	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0009.
4	40	1.102064E+07	275516	-2.205	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0010.
5	60.8	1.742877E+07	286657.4	1.749	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0011.
6	80	2.228959E+07	278619.9	-1.104	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0012.

2 DCB



Expected retention time:	6.606 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 = 191692.5 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9916647
Average error:	6.842%
Average CF:	191692.5
RSD:	8.842%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	445637.5	221710.2	15.659	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
2	4.02	808107.3	201021.7	4.867	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
3	20.12	3708971	184342.5	-3.834	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
4	40.24	7098633	176407.4	-7.974	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
5	61.16	1.141189E+07	186590.8	-2.661	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
6	80.48	1.449304E+07	180082.5	-6.057	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

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	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.56	2.62
Decachlorobiphenyl	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.06	6.12

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	3.75E+05	2.92E+05	2.90E+05	2.87E+05	2.93E+05	3.78E+05	3.19E+05	14
Decachlorobiphenyl	4.05E+05	3.05E+05	2.83E+05	2.87E+05	2.92E+05	3.12E+05	3.14E+05	15

Average % RSD: 15

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.88	2.86	2.90	7409	5623	1	25.25	187068	17.65
	1				5934		2	50.5	299667	
	1				5472		3	101	552633	
	1				5117		4	202	1033702	
	1				4500		5	505	2272412	
	1				5309		6	1010	5362409	
	2	3.21	3.19	3.23	8816	6826	1	25.25	222593	15.46
	2				6985		2	50.5	352763	
	2				6519		3	101	658430	
	2				6234		4	202	1259344	
	2				5777		5	505	2917173	
	2				6625		6	1010	6691068	
	3	3.40	3.38	3.42	8384	6849	1	25.25	211707	11.94
	3				6817		2	50.5	344238	
	3				6358		3	101	642118	
	3				6412		4	202	1295157	
	3				6122		5	505	3091795	
	3				6999		6	1010	7068752	
	4	3.47	3.45	3.49	8722	7408	1	25.25	220232	9.90
	4				7313		2	50.5	369314	
	4				6938		3	101	700723	
	4				6913		4	202	1396390	
	4				6803		5	505	3435523	
	4				7758		6	1010	7835382	
	5	3.53	3.51	3.55	6502	5388	1	25.25	164167	10.93
	5				5500		2	50.5	277743	
	5				5140		3	101	519136	
	5				5009		4	202	1011770	
	5				4869		5	505	2459076	
	5				5309		6	1010	5361597	
	6	3.63	3.61	3.65	7324	6215	1	25.25	184939	9.33
	6				6336		2	50.5	319956	
	6				6057		3	101	611787	
	6				5979		4	202	1207680	
	6				5740		5	505	2898773	
	6				5854		6	1010	5912277	
Aroclor-1221	1	2.76	2.74	2.78	3766	3766	1	200.1	753518	.00
	2	2.83	2.81	2.85	2366	2366	1	200.1	473437	.00
	3	2.88	2.86	2.90	8953	8953	1	200.1	1791496	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.88	2.86	2.90	7163	7163	1	200.6	1436956	.00
	2	3.21	3.19	3.23	3484	3484	1	200.6	698874	.00
	3	3.40	3.38	3.42	3437	3437	1	200.6	689562	.00
	4	3.47	3.45	3.49	3318	3318	1	200.6	665523	.00
	5	3.53	3.51	3.55	2079	2079	1	200.6	416956	.00
	6	3.63	3.61	3.65	2489	2489	1	200.6	499204	.00
Aroclor-1242	1	2.88	2.86	2.90	7040	7040	1	200	1408017	.00
	2	3.21	3.19	3.23	8696	8696	1	200	1739293	.00
	3	3.40	3.38	3.42	8683	8683	1	200	1736534	.00
	4	3.47	3.45	3.49	9481	9481	1	200	1896230	.00
	5	3.53	3.51	3.55	6754	6754	1	200	1350868	.00
	6	3.63	3.61	3.65	7864	7864	1	200	1572887	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.51	3.49	3.53	9973	7530	1	25.08	250117	20.36
	1				8728		2	50.16	437776	
	1				7307		3	100.32	733048	
	1				6882		4	200.64	1380747	
	1				5992		5	501.6	3005495	
	1				6298		6	1003.2	6317983	
	2	3.63	3.61	3.65	11799	8944	1	25.08	295930	18.29
	2				9706		2	50.16	486847	
	2				8910		3	100.32	893898	
	2				8236		4	200.64	1652463	
	2				7546		5	501.6	3785231	
	2				7464		6	1003.2	7487774	
	3	3.72	3.70	3.74	8089	6372	1	25.08	202872	16.13
	3				6968		2	50.16	349534	
	3				6469		3	100.32	648961	
	3				5724		4	200.64	1148398	
	3				5475		5	501.6	2746404	
	3				5508		6	1003.2	5525614	
	4	3.86	3.84	3.88	14945	11975	1	25.08	374830	14.11
	4				12892		2	50.16	646644	
	4				11641		3	100.32	1167789	
	4				11230		4	200.64	2253157	
	4				10506		5	501.6	5269871	
	4				10639		6	1003.2	10673010	
	5	3.99	3.97	4.01	7634	6162	1	25.08	191460	13.70
	5				6614		2	50.16	331772	
	5				6096		3	100.32	611583	
	5				5676		4	200.64	1138760	
	5				5436		5	501.6	2726489	
	5				5513		6	1003.2	5531003	
	6	4.21	4.19	4.23	6933	5678	1	25.08	173878	13.70
	6				6255		2	50.16	313766	
	6				5658		3	100.32	567604	
	6				5143		4	200.64	1031847	
	6				4949		5	501.6	2482391	
	6				5131		6	1003.2	5147745	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.15	4.13	4.17	10548	9616	1	25.12	264961	7.01
	1				10068		2	50.24	505801	
	1				9353		3	100.48	939748	
	1				9883		4	251.2	2482571	
	1				9141		5	502.4	4592630	
	1				8702		6	1004.8	8744256	
	2	4.21	4.19	4.23	18012	16705	1	25.12	452468	6.37
	2				17137		2	50.24	860968	
	2				15631		3	100.48	1570578	
	2				17636		4	251.2	4430060	
	2				16400		5	502.4	8239242	
	2				15416		6	1004.8	15489890	
	3	4.31	4.29	4.33	9407	8186	1	25.12	236292	10.54
	3				8848		2	50.24	444531	
	3				8127		3	100.48	816646	
	3				8187		4	251.2	2056532	
	3				7518		5	502.4	3777159	
	3				7027		6	1004.8	7060870	
	4	4.37	4.35	4.39	10445	9827	1	25.12	262366	6.44
	4				10774		2	50.24	541304	
	4				9337		3	100.48	938169	
	4				9360		4	251.2	2351286	
	4				9725		5	502.4	4885774	
	4				9320		6	1004.8	9365218	
	5	4.59	4.57	4.61	7252	7381	1	25.12	182172	5.77
	5				7968		2	50.24	400320	
	5				6683		3	100.48	671530	
	5				7593		4	251.2	1907387	
	5				7316		5	502.4	3675327	
	5				7471		6	1004.8	7507175	
	6	4.67	4.65	4.69	13346	12440	1	25.12	335240	6.99
	6				13489		2	50.24	677681	
	6				11666		3	100.48	1172229	
	6				12697		4	251.2	3189601	
	6				12000		5	502.4	6028783	
	6				11439		6	1004.8	11493930	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.44	4.42	4.46	17213	15484	1	25.21	433941	5.65
	1				15104		2	50.41	761385	
	1				15090		3	100.82	1521389	
	1				15049		4	201.64	3034571	
	1				14895		5	504.1	7508441	
	1				15553		6	1008.2	15680900	
	2	4.54	4.52	4.56	13533	11854	1	25.21	341176	7.35
	2				11576		2	50.41	583571	
	2				11175		3	100.82	1126620	
	2				11534		4	201.64	2325692	
	2				11301		5	504.1	5696745	
	2				12007		6	1008.2	12105660	
	3	4.67	4.65	4.69	16383	14970	1	25.21	413019	5.92
	3				14883		2	50.41	750264	
	3				14144		3	100.82	1426020	
	3				14165		4	201.64	2856147	
	3				14598		5	504.1	7358734	
	3				15647		6	1008.2	15775430	
	4	4.89	4.87	4.91	11569	10287	1	25.21	291651	6.93
	4				10061		2	50.41	507156	
	4				10163		3	100.82	1024592	
	4				9481		4	201.64	1911772	
	4				9932		5	504.1	5006547	
	4				10518		6	1008.2	10604190	
	5	5.08	5.06	5.10	26502	24255	1	25.21	668106	7.43
	5				22147		2	50.41	1116410	
	5				23010		3	100.82	2319880	
	5				23686		4	201.64	4776016	
	5				23778		5	504.1	11986740	
	5				26406		6	1008.2	26622640	
	6	5.34	5.32	5.36	16681	16060	1	25.21	420526	3.39
	6				15910		2	50.41	802029	
	6				15640		3	100.82	1576844	
	6				15466		4	201.64	3118608	
	6				15886		5	504.1	8008347	
	6				16776		6	1008.2	16913370	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728201B

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

ICAL Date(s) Analyzed: 10/9/2017 10/10/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.70	4.68	4.72	16665	16665	1	200.8	3346234	.00
	2	4.89	4.87	4.91	16859	16859	1	200.8	3385326	.00
	3	5.08	5.06	5.10	33946	33946	1	200.8	6816420	.00
	4	5.30	5.28	5.32	14075	14075	1	200.8	2826354	.00
	5	5.35	5.33	5.37	23226	23226	1	200.8	4663740	.00
	6	5.73	5.71	5.75	13057	13057	1	200.8	2621786	.00
Aroclor-1268	1	5.30	5.28	5.32	40043	40043	1	201	8048587	.00
	2	5.35	5.33	5.37	39349	39349	1	201	7909116	.00
	3	5.50	5.48	5.52	36382	36382	1	201	7312860	.00
	4	5.57	5.55	5.59	8924	8924	1	201	1793821	.00
	5	5.73	5.71	5.75	14728	14728	1	201	2960236	.00
	6	5.93	5.91	5.95	119634	119634	1	201	24046400	.00

File Name: V:\CP7\07PCBS1728201b.CAL
Version: 8

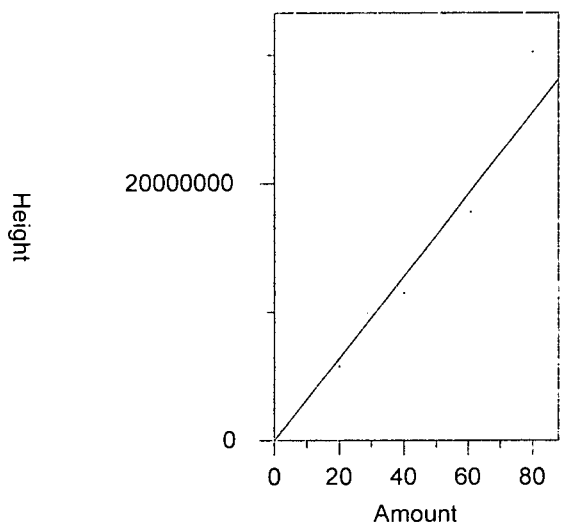
Creator:
Description:
Reason for change:

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: 2.592 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

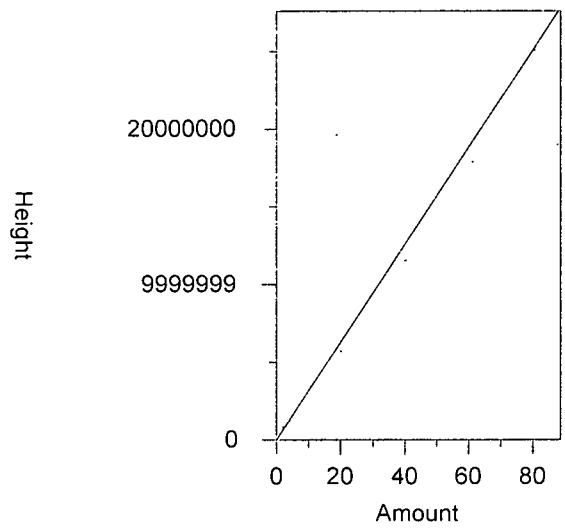
Single peak quantification by height

Y = 319311.4 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9586328
Average error: 12.010%
Average CF: 319311.4
RSD: 13.971%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	750875.3	375437.7	17.577	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.000
2	4	1167373	291843.3	-8.602	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.000
3	20	5794580	289729	-9.264	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.000
4	40	1.14953E+07	287382.5	-9.999	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.001
5	60.8	1.782923E+07	293243.9	-8.164	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.001
6	80	3.025857E+07	378232.1	18.452	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001B.001

2 DCB



Expected retention time:	6.086 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 = 313987.9 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9927111
Average error:	9.634%
Average CF:	313987.9
RSD:	14.578%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	813518.1	404735.4	28.902	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
2	4.02	1227123	305254.5	-2.781	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
3	20.12	5701930	283396.1	-9.743	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
4	40.24	1.153272E+07	286598.4	-8.723	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
5	61.16	1.78727E+07	292228.6	-6.930	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001
6	80.48	2.50868E+07	311714.7	-0.724	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 10/12/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:08

Lab File ID: 25PCBS17284001.032.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	41.54	40.00	4
Decachlorobiphenyl	6.60	6.57	6.63	37.01	40.24	-8
Aroclor-1016	3.18	3.16	3.20	196.16	201.00	-2
	3.39	3.38	3.42	199.86	201.00	-1
	3.51	3.49	3.53	201.86	201.00	0
	3.72	3.71	3.75	197.96	201.00	-2
	3.78	3.76	3.80	204.87	201.00	2
	3.97	3.96	4.00	202.75	201.00	1
Aroclor-1260	4.75	4.73	4.77	186.15	201.80	-8
	4.95	4.93	4.97	181.89	201.80	-10
	5.15	5.13	5.17	179.74	201.80	-11
	5.38	5.36	5.40	184.30	201.80	-9
	5.62	5.60	5.64	193.80	201.80	-4
	5.82	5.80	5.84	179.07	201.80	-11

Compounds 14 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: 10/12/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:08

Lab File ID: 25PCBS17284001B.032.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	41.75	40.00	4
Decachlorobiphenyl	6.10	6.07	6.13	36.16	40.24	-10
Aroclor-1016	2.90	2.88	2.92	193.25	201.00	-4
	3.23	3.21	3.25	200.71	201.00	0
	3.42	3.40	3.44	195.43	201.00	-3
	3.49	3.47	3.51	200.56	201.00	0
	3.55	3.53	3.57	201.36	201.00	0
	3.65	3.64	3.68	202.23	201.00	1
Aroclor-1260	4.33	4.31	4.35	190.33	201.80	-6
	4.46	4.44	4.48	190.61	201.80	-6
	4.56	4.55	4.59	197.03	201.80	-2
	4.91	4.89	4.93	192.61	201.80	-5
	5.10	5.09	5.13	195.10	201.80	-3
	5.36	5.34	5.38	183.05	201.80	-9

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: 10/12/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:19

Lab File ID: 25PCBS17284001.033.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	39.15	40.00	-2
Decachlorobiphenyl	6.60	6.57	6.63	35.67	40.24	-11
Aroclor-1248	3.72	3.71	3.75	196.03	200.60	-2
	3.78	3.76	3.80	187.80	200.60	-6
	3.85	3.83	3.87	193.28	200.60	-4
	4.00	3.98	4.02	200.18	200.60	0
	4.06	4.04	4.08	201.25	200.60	0
	4.24	4.22	4.26	207.62	200.60	4

Compounds 8 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: 10/12/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:19

Lab File ID: 25PCBS17284001B.033.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	39.81	40.00	0
Decachlorobiphenyl	6.10	6.07	6.13	37.05	40.24	-8
Aroclor-1248	3.42	3.40	3.44	196.26	200.60	-2
	3.49	3.47	3.51	194.34	200.60	-3
	3.53	3.51	3.55	190.08	200.60	-5
	3.65	3.64	3.68	198.10	200.60	-1
	3.74	3.73	3.77	200.60	200.60	0
	3.88	3.86	3.90	192.20	200.60	-4

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 10/12/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:31

Lab File ID: 25PCBS17284001.034.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	19.07	20.15	-5
Decachlorobiphenyl	6.60	6.57	6.63	18.06	20.19	-11
Aroclor-1254	4.56	4.55	4.59	226.80	250.00	-9
	4.62	4.61	4.65	228.98	250.00	-8
	4.75	4.73	4.77	228.27	250.00	-9
	4.83	4.82	4.86	231.61	250.00	-7
	5.03	5.02	5.06	235.98	250.00	-6
	5.15	5.13	5.17	220.82	250.00	-12

Compounds 8 Average of %D: 8

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/12/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:31

Lab File ID: 25PCBS17284001B.034.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	19.44	20.15	-4
Decachlorobiphenyl	6.10	6.07	6.13	18.23	20.19	-10
Aroclor-1254	4.23	4.22	4.26	239.15	250.00	-4
	4.33	4.31	4.35	228.97	250.00	-8
	4.40	4.38	4.42	232.48	250.00	-7
	4.46	4.44	4.48	219.15	250.00	-12
	4.61	4.59	4.63	238.71	250.00	-5
	4.69	4.67	4.71	218.12	250.00	-13

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: 10/10/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 0:51

Lab File ID: 07PCBS17282001.0031.RAW Initial Calibration: 07PCBS1728201

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	40.31	40.00	1
Decachlorobiphenyl	6.61	6.58	6.64	38.29	40.24	-5
Aroclor-1016	3.19	3.17	3.21	194.10	201.00	-3
	3.40	3.38	3.42	204.14	201.00	2
	3.52	3.50	3.54	202.03	201.00	1
	3.73	3.71	3.75	196.37	201.00	-2
	3.79	3.77	3.81	203.20	201.00	1
	3.98	3.96	4.00	202.66	201.00	1
Aroclor-1260	4.76	4.74	4.78	186.91	201.80	-7
	4.96	4.94	4.98	177.01	201.80	-12
	5.16	5.14	5.18	175.10	201.80	-13
	5.39	5.37	5.41	196.86	201.80	-2
	5.63	5.61	5.65	184.87	201.80	-8
	5.83	5.81	5.85	175.36	201.80	-13

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 0:51

Lab File ID: 07PCBS17282001B.0031.RAW Initial Calibration: 07PCBS1728201B

Lab Standard ID: IC16XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	36.67	40.00	-8
Decachlorobiphenyl	6.09	6.06	6.12	35.93	40.24	-11
Aroclor-1016	2.88	2.86	2.90	180.16	201.00	-10
	3.21	3.19	3.23	191.75	201.00	-5
	3.40	3.38	3.42	187.89	201.00	-7
	3.47	3.45	3.49	190.75	201.00	-5
	3.53	3.51	3.55	196.51	201.00	-2
	3.63	3.61	3.65	198.05	201.00	-1
Aroclor-1260	4.44	4.42	4.46	183.21	201.80	-9
	4.54	4.52	4.56	201.18	201.80	0
	4.67	4.65	4.69	179.61	201.80	-11
	4.89	4.87	4.91	185.57	201.80	-8
	5.08	5.06	5.10	182.19	201.80	-10
	5.35	5.32	5.36	190.15	201.80	-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: 19843A Date Analyzed: 10/10/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:13

Lab File ID: 07PCBS17282001.0033.RAW Initial Calibration: 07PCBS1728201

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	38.67	40.00	-3
Decachlorobiphenyl	6.60	6.58	6.64	35.77	40.24	-11
Aroclor-1248	3.73	3.71	3.75	180.24	200.60	-10
	3.79	3.77	3.81	183.74	200.60	-8
	3.86	3.84	3.88	188.89	200.60	-6
	3.98	3.96	4.00	187.90	200.60	-6
	4.07	4.05	4.09	191.82	200.60	-4
	4.25	4.23	4.27	193.06	200.60	-4

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: 10/10/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:13

Lab File ID: 07PCBS17282001B.0033.RAW Initial Calibration: 07PCBS1728201B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	36.34	40.00	-9
Decachlorobiphenyl	6.09	6.06	6.12	35.01	40.24	-13
Aroclor-1248	3.51	3.49	3.53	171.00	200.60	-15
	3.63	3.61	3.65	182.76	200.60	-9
	3.72	3.70	3.74	189.13	200.60	-6
	3.86	3.84	3.88	186.93	200.60	-7
	3.99	3.97	4.01	197.14	200.60	-2
	4.21	4.19	4.23	195.08	200.60	-3

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: 10/10/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:25

Lab File ID: 07PCBS17282001.0034.RAW Initial Calibration: 07PCBS1728201

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	19.02	20.15	-6
Decachlorobiphenyl	6.60	6.58	6.64	18.22	20.19	-10
Aroclor-1254	4.57	4.55	4.59	217.21	250.00	-13
	4.63	4.62	4.66	224.30	250.00	-10
	4.76	4.74	4.78	222.13	250.00	-11
	4.85	4.83	4.87	228.65	250.00	-9
	5.04	5.03	5.07	217.46	250.00	-13
	5.16	5.14	5.18	220.42	250.00	-12

Compounds 8 Average of %D: 11

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:25

Lab File ID: 07PCBS17282001B.0034.RAW Initial Calibration: 07PCBS1728201B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	18.61	20.15	-8
Decachlorobiphenyl	6.09	6.06	6.12	18.86	20.19	-7
Aroclor-1254	4.15	4.13	4.17	224.21	250.00	-10
	4.21	4.19	4.23	224.77	250.00	-10
	4.30	4.29	4.33	224.36	250.00	-10
	4.37	4.35	4.39	223.97	250.00	-10
	4.59	4.57	4.61	229.41	250.00	-8
	4.67	4.65	4.69	224.32	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: 10/12/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 7:29

Lab File ID: 25PCBS17284001.055.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: AR164LB Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	40.31	40.00	1
Decachlorobiphenyl	6.60	6.57	6.63	43.90	40.24	9
Aroclor-1016	3.18	3.16	3.20	186.14	202.00	-8
	3.40	3.38	3.42	190.68	202.00	-6
	3.51	3.49	3.53	188.21	202.00	-7
	3.73	3.71	3.75	201.04	202.00	0
	3.79	3.76	3.80	202.62	202.00	0
	3.98	3.96	4.00	198.80	202.00	-2
Aroclor-1260	4.75	4.73	4.77	205.23	201.64	2
	4.95	4.93	4.97	205.44	201.64	2
	5.16	5.13	5.17	210.42	201.64	4
	5.38	5.36	5.40	201.34	201.64	0
	5.62	5.60	5.64	220.39	201.64	9
	5.82	5.80	5.84	212.00	201.64	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: 18274B Date Analyzed: 10/12/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 7:29

Lab File ID: 25PCBS17284001B.055.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: AR164LB Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	40.42	40.00	1
Decachlorobiphenyl	6.10	6.07	6.13	43.49	40.24	8
Aroclor-1016	2.90	2.88	2.92	185.18	202.00	-8
	3.23	3.21	3.25	188.71	202.00	-7
	3.42	3.40	3.44	208.58	202.00	3
	3.49	3.47	3.51	194.73	202.00	-4
	3.55	3.53	3.57	191.15	202.00	-5
	3.66	3.64	3.68	205.96	202.00	2
Aroclor-1260	4.33	4.31	4.35	203.82	201.64	1
	4.46	4.44	4.48	220.12	201.64	9
	4.57	4.55	4.59	214.91	201.64	7
	4.91	4.89	4.93	211.96	201.64	5
	5.11	5.09	5.13	228.32	201.64	13
	5.36	5.34	5.38	217.91	201.64	8

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSA ID: SA **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274A
Result file : 25PCBS17284001.056.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 0.19622
%SSR(DCB) : 105% (48-164) Conc.: 0.212549

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**21.77**	
3.16	3.18	3.20	727.8833	0.002758			1
3.38	3.38	3.42	960.4789	0.003934			2
+ 3.38	3.40	3.42	822.9617	0.003371			2
3.49	3.50	3.53	782.0852	0.002501			3
3.71	3.73	3.75	1388.194	0.003889			4
3.76	3.78	3.80	967.8663	0.003136			5
3.96	3.98	4.00	498.9061	0.002402			6
Height Summation:			**5325.4138**				
Amount Avg CF:			**0.003103**	Linear:			
Aroclor-1221					**2**	**139.64**	
3.11	3.13	3.15	36984.02	0.372913			2
3.16	3.18	3.20	727.8833	0.002362			3
Height Summation:			**37711.9033**				
Amount Avg CF:			**0.187637**	Linear:			
Aroclor-1232					**6**	**36.38**	
3.16	3.18	3.20	727.8833	0.002697			1
3.38	3.38	3.42	960.4789	0.009549			2
+ 3.38	3.40	3.42	822.9617	0.008182			2
3.49	3.50	3.53	782.0852	0.005758			3
3.70	3.73	3.74	1388.194	0.008406			4
3.76	3.78	3.80	967.8663	0.00794			5
3.95	3.98	3.99	498.9061	0.006012			6
Height Summation:			**5325.4138**				
Amount Avg CF:			**0.006727**	Linear:			
Aroclor-1242					**6**	**21.67**	
3.16	3.18	3.20	727.8833	0.001997			1
3.37	3.38	3.41	960.4789	0.003112			2
+ 3.37	3.40	3.41	822.9617	0.002666			2
3.49	3.50	3.53	782.0852	0.001889			3
3.70	3.73	3.74	1388.194	0.002699			4
3.76	3.78	3.80	967.8663	0.002453			5
3.95	3.98	3.99	498.9061	0.001867			6
Height Summation:			**5325.4138**				
Amount Avg CF:			**0.002336**	Linear:			
Aroclor-1248					**4**	**40.91**	
3.71	3.73	3.75	1388.194	0.007126			1
3.76	3.78	3.80	967.8663	0.005741			2
3.98	3.98	4.02	498.9061	0.006308			4
4.04	4.06	4.08	543.1418	0.002175			5
Height Summation:			**3398.1082**				
Amount Avg CF:			**0.005337**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274B
Result file : 25PCBS17284001B.056.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 0.19213
%SSR(DCB) : 102% (48-164) Conc.: 0.206299

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**55.68**	
2.88	2.90	2.92	2400.64	0.005019			1
3.21	3.23	3.25	1438.893	0.002484			2
+ 3.21	3.24	3.25	405.8338	0.000701			2
3.40	3.41	3.44	750.6276	0.00132			3
+ 3.40	3.43	3.44	731.6503	0.001287			3
+ 3.40	3.44	3.44	722.7512	0.001271			3
+ 3.47	3.49	3.51	546.5159	0.000874			4
+ 3.47	3.49	3.51	912.1147	0.001459			4
3.47	3.50	3.51	1084.501	0.001735			4
+ 3.47	3.51	3.51	717.6396	0.001148			4
+ 3.53	3.54	3.57	959.3039	0.001845			5
+ 3.53	3.56	3.57	732.0031	0.001408			5
3.53	3.57	3.57	1097.888	0.002111			5
3.64	3.64	3.68	924.7939	0.001761			6
+ 3.64	3.65	3.68	782.0951	0.001489			6
+ 3.64	3.65	3.68	716.8638	0.001365			6
+ 3.64	3.66	3.68	913.8785	0.00174			6
+ 3.64	3.67	3.68	686.4628	0.001307			6
Height Summation:			**7697.3435**				
Amount Avg CF:			**0.002405**	Linear:			
Aroclor-1221					**3**	**167.74**	
2.77	2.78	2.81	1724.907	0.007501			1
2.83	2.83	2.87	76077.59	0.547452			2
2.88	2.90	2.92	2400.64	0.004276			3
Height Summation:			**80203.137**				
Amount Avg CF:			**0.18641**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSA ID: SA **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274A
Result file : 25PCBS17284001.056.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**116.37**	
4.55	4.57	4.59	6148.815	0.02025			1
4.61	4.61	4.65	5950.113	0.010007			2
4.82	4.84	4.86	1242.415	0.003059			4
5.02	5.04	5.06	275.3402	0.000931			5
5.13	5.15	5.17	472.2191	0.001138			6
Height Summation:			**14088.9023**				
Amount Avg CF:			**0.007077**	Linear:			
Aroclor-1260					**3**	**68.23**	
5.13	5.15	5.17	472.2191	0.000721			3
5.36	5.38	5.40	625.0634	0.001795			4
+ 5.36	5.40	5.40	624.7455	0.001794			4
5.80	5.82	5.84	1860.031	0.003391			6
Height Summation:			**2957.3135**				
Amount Avg CF:			**0.001969**	Linear:			
Aroclor-1262					**6**	**112.56**	
5.20	5.23	5.24	428.4735	0.000786			1
5.36	5.38	5.40	625.0634	0.001315			2
+ 5.36	5.40	5.40	624.7455	0.001315			2
5.60	5.60	5.64	452.4981	0.000421			3
5.80	5.82	5.84	1860.031	0.002625			4
5.86	5.87	5.90	1476.832	0.004406			5
+ 5.86	5.89	5.90	613.5332	0.001831			5
6.23	6.24	6.27	4183.238	0.010317			6
Height Summation:			**9026.136**				
Amount Avg CF:			**0.003312**	Linear:			
Aroclor-1268					**6**	**179.30**	
5.80	5.82	5.84	1860.031	0.001524			1
5.86	5.87	5.90	1476.832	0.001343			2
+ 5.86	5.89	5.90	613.5332	0.000558			2
5.99	6.01	6.03	41649	0.040703			3
6.06	6.08	6.10	56221.68	0.197322			4
6.23	6.24	6.27	4183.238	0.009421			5
6.43	6.45	6.47	25353.3	0.007457			6
Height Summation:			**130744.081**				
Amount Avg CF:			**0.042961**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274B
Result file : 25PCBS17284001B.056.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1232					**6**	**31.85**	
2.88	2.90	2.92	2400.64	0.00471			1
3.21	3.23	3.25	1438.893	0.005614			2
+ 3.21	3.24	3.25	405.8338	0.001583			2
3.40	3.41	3.44	750.6276	0.002968			3
+ 3.40	3.43	3.44	731.6503	0.002893			3
+ 3.47	3.47	3.51	603.2066	0.002315			4
+ 3.47	3.49	3.51	546.5159	0.002097			4
+ 3.47	3.49	3.51	912.1147	0.0035			4
3.47	3.50	3.51	1084.501	0.004162			4
+ 3.47	3.51	3.51	717.6396	0.002754			4
+ 3.53	3.54	3.57	959.3039	0.005405			5
+ 3.53	3.56	3.57	732.0031	0.004124			5
3.53	3.57	3.57	1097.888	0.006186			5
3.63	3.64	3.67	1572.375	0.007735			6
+ 3.63	3.64	3.67	924.7939	0.00455			6
+ 3.63	3.65	3.67	782.0951	0.003848			6
+ 3.63	3.65	3.67	716.8638	0.003527			6
+ 3.63	3.66	3.67	913.8785	0.004496			6
+ 3.63	3.67	3.67	686.4628	0.003377			6
Height Summation:			**8344.9246**				
Amount Avg CF:			**0.005229**	Linear:			
Aroclor-1242					**6**	**50.08**	
2.88	2.90	2.92	2400.64	0.003833			1
3.21	3.23	3.25	1438.893	0.001908			2
+ 3.21	3.24	3.25	405.8338	0.000538			2
3.40	3.41	3.44	750.6276	0.000903			3
+ 3.40	3.43	3.44	731.6503	0.000881			3
+ 3.47	3.47	3.51	603.2066	0.000734			4
+ 3.47	3.49	3.51	546.5159	0.000665			4
+ 3.47	3.49	3.51	912.1147	0.00111			4
3.47	3.50	3.51	1084.501	0.00132			4
+ 3.47	3.51	3.51	717.6396	0.000874			4
+ 3.53	3.54	3.57	959.3039	0.001655			5
+ 3.53	3.56	3.57	732.0031	0.001263			5
3.53	3.57	3.57	1097.888	0.001894			5
3.63	3.64	3.67	1572.375	0.002248			6
+ 3.63	3.64	3.67	924.7939	0.001322			6
+ 3.63	3.65	3.67	782.0951	0.001118			6
+ 3.63	3.65	3.67	716.8638	0.001025			6
+ 3.63	3.66	3.67	913.8785	0.001306			6
+ 3.63	3.67	3.67	686.4628	0.000981			6
Height Summation:			**8344.9246**				
Amount Avg CF:			**0.002018**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSA ID: SA **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274A
Result file : 25PCBS17284001.056.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274B
Result file : 25PCBS17284001B.056.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**60.70**	
3.40	3.41	3.44	750.6276	0.00261			1
+ 3.40	3.43	3.44	731.6503	0.002544			1
+ 3.40	3.44	3.44	722.7512	0.002513			1
+ 3.47	3.49	3.51	546.5159	0.00158			2
+ 3.47	3.49	3.51	912.1147	0.002636			2
3.47	3.50	3.51	1084.501	0.003134			2
+* 3.47	3.51	3.51	717.6396	0.002074			2
+* 3.51	3.51	3.55	717.6396	0.001265			3
+ 3.51	3.53	3.55	839.4656	0.00148			3
3.51	3.54	3.55	959.3039	0.001691			3
3.64	3.64	3.68	1572.375	0.002264			4
+ 3.64	3.64	3.68	924.7939	0.001331			4
+ 3.64	3.65	3.68	782.0951	0.001126			4
+ 3.64	3.65	3.68	716.8638	0.001032			4
+ 3.64	3.66	3.68	913.8785	0.001316			4
+ 3.64	3.67	3.68	686.4628	0.000988			4
+ 3.73	3.73	3.77	1571.741	0.003264			5
+ 3.73	3.75	3.77	1018.272	0.002114			5
3.73	3.76	3.77	1722.477	0.003577			5
3.86	3.88	3.90	6403.601	0.007561			6
Height Summation:			**12492.8855**				
Amount Avg CF:				**0.003473** Linear:			
Aroclor-1254					**2**	**59.78**	
4.31	4.33	4.35	2824.164	0.004518			2
4.59	4.62	4.63	6172.758	0.011136			5
Height Summation:			**8996.922**				
Amount Avg CF:				**0.007827** Linear:			
Aroclor-1260					**4**	**39.11**	
4.31	4.33	4.35	2824.164	0.002583			1
4.55	4.57	4.59	5287.822	0.005431			3
4.89	4.91	4.93	3518.97	0.004654			4
+ 5.34	5.34	5.38	801.8226	0.000634			6
5.34	5.37	5.38	3146.112	0.002488			6
Height Summation:			**14777.068**				
Amount Avg CF:				**0.003789** Linear:			
Aroclor-1262					**5**	**39.91**	
+ 4.70	4.72	4.74	912.3465	0.000779			1
4.70	4.74	4.74	2734.106	0.002333			1
4.89	4.91	4.93	3518.97	0.003176			2
+ 5.30	5.30	5.34	1686.726	0.001839			4
5.30	5.32	5.34	1755.869	0.001915			4
5.34	5.37	5.38	3146.112	0.002004			5
5.72	5.75	5.76	941.8539	0.00089			6
Height Summation:			**12096.9109**				
Amount Avg CF:				**0.002063** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724B PIBLKSA ID: SA **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274A
Result file : 25PCBS17284001.056.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 07:40:44
Instrument : CP25--18274B
Result file : 25PCBS17284001B.056.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**186.62**	
+ 5.30	5.30	5.34	1686.726	0.000618			1
5.30	5.32	5.34	1755.869	0.000643			1
5.35	5.37	5.39	3146.112	0.001135			2
5.50	5.52	5.54	88844.3	0.035154			3
5.57	5.59	5.61	115852.2	0.167959			4
5.72	5.75	5.76	941.8539	0.000848			5
5.92	5.94	5.96	73067.87	0.007243			6

Height Summation: **283608.2049**
Amount Avg CF: **0.035497** 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		25.34	4	40	
Aroclor-1221			17	5.1		0.66	3	5	
Aroclor-1232			17	4.1		25.06	4	10	
Aroclor-1242			17	4.1		14.62	4	30	
Aroclor-1248			17	3.3		** 42.33	4	40	
Aroclor-1254			17	4.4		10.07	4	40	
Aroclor-1260			17	3.9		** 63.21	4	40	
Aroclor-1262			17	3.3		** 46.45	4	40	
Aroclor-1268			17	3.3		19.03	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: 10/12/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 11:28

Lab File ID: 25PCBS17284001.076.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: AR164LC Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	40.63	40.00	2
Decachlorobiphenyl	6.60	6.57	6.63	40.22	40.24	0
Aroclor-1016	3.18	3.16	3.20	183.79	202.00	-9
	3.40	3.38	3.42	184.23	202.00	-9
	3.51	3.49	3.53	184.74	202.00	-9
	3.73	3.71	3.75	190.19	202.00	-6
	3.78	3.76	3.80	188.80	202.00	-7
	3.97	3.96	4.00	188.64	202.00	-7
Aroclor-1260	4.75	4.73	4.77	186.72	201.64	-7
	4.95	4.93	4.97	190.96	201.64	-5
	5.15	5.13	5.17	191.66	201.64	-5
	5.38	5.36	5.40	183.77	201.64	-9
	5.62	5.60	5.64	197.03	201.64	-2
	5.82	5.80	5.84	189.11	201.64	-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: 18274B Date Analyzed: 10/12/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 11:28

Lab File ID: 25PCBS17284001B.076.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: AR164LC Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 25PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	41.08	40.00	3
Decachlorobiphenyl	6.10	6.07	6.13	35.97	40.24	-11
Aroclor-1016	2.90	2.88	2.92	181.62	202.00	-10
	3.23	3.21	3.25	186.91	202.00	-7
	3.42	3.40	3.44	202.62	202.00	0
	3.49	3.47	3.51	193.57	202.00	-4
	3.55	3.53	3.57	182.26	202.00	-10
	3.66	3.64	3.68	192.29	202.00	-5
Aroclor-1260	4.33	4.31	4.35	187.14	201.64	-7
	4.46	4.44	4.48	204.46	201.64	1
	4.56	4.55	4.59	203.23	201.64	1
	4.91	4.89	4.93	197.57	201.64	-2
	5.10	5.09	5.13	205.83	201.64	2
	5.36	5.34	5.38	192.95	201.64	-4

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSB ID: SB **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.077.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 0.196154
%SSR(DCB) : 96% (48-164) Conc.: 0.194518

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	27.47	
3.16	3.18	3.20	836.9828	0.003171			1
3.38	3.38	3.42	1716.205	0.00703			2
+ 3.38	3.41	3.42	664.8002	0.002723			2
3.49	3.51	3.53	1343.947	0.004297			3
3.71	3.73	3.75	2113.462	0.00592			4
3.76	3.78	3.80	1437.542	0.004658			5
3.96	3.98	4.00	931.2059	0.004483			6
Height Summation:			**8379.3447**				
Amount Avg CF:			**0.004927**	Linear:			
Aroclor-1221					3	168.09	
3.06	3.08	3.10	508.0542	0.00451			1
3.11	3.13	3.15	35698.03	0.359946			2
3.16	3.18	3.20	836.9828	0.002716			3
Height Summation:			**37043.067**				
Amount Avg CF:			**0.122391**	Linear:			
Aroclor-1232					6	41.60	
3.16	3.18	3.20	836.9828	0.003101			1
3.38	3.38	3.42	1716.205	0.017062			2
+ 3.38	3.41	3.42	664.8002	0.006609			2
3.49	3.51	3.53	1343.947	0.009894			3
3.70	3.73	3.74	2113.462	0.012798			4
3.76	3.78	3.80	1437.542	0.011793			5
3.95	3.98	3.99	931.2059	0.011222			6
Height Summation:			**8379.3447**				
Amount Avg CF:			**0.010978**	Linear:			
Aroclor-1242					6	29.05	
3.16	3.18	3.20	836.9828	0.002296			1
3.37	3.38	3.41	1716.205	0.00556			2
+ 3.37	3.41	3.41	664.8002	0.002154			2
3.49	3.51	3.53	1343.947	0.003246			3
3.70	3.73	3.74	2113.462	0.00411			4
3.76	3.78	3.80	1437.542	0.003643			5
3.95	3.98	3.99	931.2059	0.003485			6
Height Summation:			**8379.3447**				
Amount Avg CF:			**0.003723**	Linear:			
Aroclor-1248					6	50.19	
3.71	3.73	3.75	2113.462	0.010848			1
3.76	3.78	3.80	1437.542	0.008526			2
3.83	3.85	3.87	859.7634	0.003373			3
3.98	3.98	4.02	931.2059	0.011774			4
4.04	4.06	4.08	1564.743	0.006267			5
4.22	4.25	4.26	758.9872	0.003174			6
Height Summation:			**7665.7035**				
Amount Avg CF:			**0.007327**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.077.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 0.191754
%SSR(DCB) : 93% (48-164) Conc.: 0.186764

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	46.07	
2.88	2.91	2.92	3087.761	0.006456			1
3.21	3.23	3.25	2403.516	0.00415			2
+ 3.21	3.25	3.25	957.4772	0.001653			2
+ 3.40	3.41	3.44	672.2725	0.001183			3
3.40	3.42	3.44	2761.763	0.004858			3
+ 3.47	3.48	3.51	372.9231	0.000597			4
3.47	3.49	3.51	2708.351	0.004333			4
+ 3.53	3.53	3.57	470.4179	0.000905			5
+ 3.53	3.55	3.57	825.1855	0.001587			5
3.53	3.57	3.57	1073.087	0.002063			5
+ 3.64	3.64	3.68	378.4704	0.000721			6
3.64	3.65	3.68	852.2627	0.001623			6
+ 3.64	3.67	3.68	394.0998	0.00075			6
Height Summation:			**12886.7407**				
Amount Avg CF:			**0.003914**	Linear:			
Aroclor-1221					2	138.48	
2.83	2.83	2.87	72730.19	0.523364			2
2.88	2.91	2.92	3087.761	0.0055			3
Height Summation:			**75817.951**				
Amount Avg CF:			**0.264432**	Linear:			
Aroclor-1232					6	35.23	
2.88	2.91	2.92	3087.761	0.006058			1
3.21	3.23	3.25	2403.516	0.009378			2
+ 3.21	3.25	3.25	957.4772	0.003736			2
+ 3.40	3.41	3.44	672.2725	0.002658			3
3.40	3.42	3.44	2761.763	0.010919			3
+ 3.47	3.48	3.51	372.9231	0.001431			4
3.47	3.49	3.51	2708.351	0.010393			4
+ 3.53	3.53	3.57	470.4179	0.00265			5
+ 3.53	3.55	3.57	825.1855	0.004649			5
3.53	3.57	3.57	1073.087	0.006046			5
+ 3.63	3.64	3.67	378.4704	0.001862			6
3.63	3.65	3.67	852.2627	0.004193			6
+ 3.63	3.67	3.67	394.0998	0.001939			6
Height Summation:			**12886.7407**				
Amount Avg CF:			**0.007831**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSB ID: SB **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.077.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	97.30	
4.55	4.57	4.59	6959.456	0.022919			1
4.61	4.61	4.65	5125.992	0.008621			2
4.73	4.75	4.77	1081.253	0.00566			3
4.82	4.84	4.86	1450.392	0.003571			4
5.02	5.03	5.06	1099.166	0.003715			5
5.13	5.15	5.17	1150.862	0.002773			6
Height Summation:			**16867.121**				
Amount Avg CF:			**0.007877**	Linear:			
Aroclor-1260					4	48.48	
4.73	4.75	4.77	1081.253	0.002314			1
5.13	5.15	5.17	1150.862	0.001757			3
5.36	5.38	5.40	1013.649	0.002911			4
5.80	5.82	5.84	2797.876	0.005101			6
Height Summation:			**6043.64**				
Amount Avg CF:			**0.003021**	Linear:			
Aroclor-1262					5	76.41	
5.20	5.22	5.24	575.0554	0.001055			1
+ 5.36	5.36	5.40	657.7296	0.001384			2
5.36	5.38	5.40	1013.649	0.002133			2
5.80	5.82	5.84	2797.876	0.003948			4
5.86	5.87	5.90	1508.92	0.004502			5
6.23	6.25	6.27	3810.105	0.009397			6
Height Summation:			**9705.6054**				
Amount Avg CF:			**0.004207**	Linear:			
Aroclor-1268					6	179.46	
5.80	5.82	5.84	2797.876	0.002292			1
5.86	5.87	5.90	1508.92	0.001372			2
5.99	6.01	6.03	39913.51	0.039007			3
6.06	6.08	6.10	54643.2	0.191782			4
6.23	6.25	6.27	3810.105	0.00858			5
6.43	6.45	6.47	24349.56	0.007162			6
Height Summation:			**127023.171**				
Amount Avg CF:			**0.041699**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.077.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	33.32	
2.88	2.91	2.92	3087.761	0.00493			1
3.21	3.23	3.25	2403.516	0.003188			2
+ 3.21	3.25	3.25	957.4772	0.00127			2
+ 3.40	3.41	3.44	672.2725	0.000809			3
3.40	3.42	3.44	2761.763	0.003324			3
+ 3.47	3.48	3.51	372.9231	0.000454			4
3.47	3.49	3.51	2708.351	0.003297			4
+ 3.53	3.53	3.57	470.4179	0.000811			5
+ 3.53	3.55	3.57	825.1855	0.001423			5
3.53	3.57	3.57	1073.087	0.001851			5
3.63	3.63	3.67	1649.666	0.002358			6
+ 3.63	3.64	3.67	378.4704	0.000541			6
+ 3.63	3.65	3.67	852.2627	0.001218			6
+ 3.63	3.67	3.67	394.0998	0.000563			6
Height Summation:			**13684.144**				
Amount Avg CF:			**0.003158**	Linear:			
Aroclor-1248					6	66.26	
+ 3.40	3.41	3.44	672.2725	0.002337			1
3.40	3.42	3.44	2761.763	0.009602			1
+ 3.47	3.48	3.51	372.9231	0.001078			2
3.47	3.49	3.51	2708.351	0.007828			2
+ 3.51	3.52	3.55	421.4722	0.000743			3
3.51	3.53	3.55	470.4179	0.000829			3
+ 3.64	3.64	3.68	378.4704	0.000545			4
3.64	3.65	3.68	852.2627	0.001227			4
+ 3.64	3.67	3.68	394.0998	0.000567			4
3.73	3.73	3.77	2925.427	0.006074			5
+ 3.73	3.76	3.77	845.049	0.001755			5
+ 3.86	3.86	3.90	3579.604	0.004227			6
3.86	3.88	3.90	6423.784	0.007585			6
Height Summation:			**16142.0056**				
Amount Avg CF:			**0.005524**	Linear:			
Aroclor-1254					4	86.06	
4.22	4.22	4.26	2176.079	0.001688			1
+ 4.22	4.24	4.26	1303.186	0.001011			1
4.31	4.33	4.35	4308.746	0.008893			2
4.38	4.40	4.42	2035.331	0.002668			3
4.59	4.62	4.63	7371.807	0.013299			5
Height Summation:			**15891.963**				
Amount Avg CF:			**0.006137**	Linear:			
Aroclor-1260					5	56.44	
4.31	4.33	4.35	4308.746	0.003941			1
4.55	4.56	4.59	6725.991	0.006908			3
4.89	4.91	4.93	4456.141	0.005894			4
5.09	5.11	5.13	2884.21	0.001684			5
5.34	5.38	5.38	2550.236	0.002017			6
Height Summation:			**20925.324**				
Amount Avg CF:			**0.004089**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKSB ID: SB **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.077.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 11:39:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.077.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**44.87**	
4.70	4.74	4.74	3465.207	0.002957			1
4.89	4.91	4.93	4456.141	0.004021			2
5.08	5.11	5.12	2884.21	0.001248			3
5.30	5.32	5.34	1976.167	0.002155			4
5.34	5.38	5.38	2550.236	0.001624			5
5.72	5.75	5.76	1847.506	0.001746			6
Height Summation:			**17179.467**				
Amount Avg CF:				**0.002292** Linear:			
Aroclor-1268					**6**	**186.78**	
5.30	5.32	5.34	1976.167	0.000723			1
5.35	5.38	5.39	2550.236	0.00092			2
+ 5.50	5.50	5.54	983.6328	0.000389			3
5.50	5.52	5.54	90594.78	0.035846			3
5.57	5.59	5.61	119282.4	0.172932			4
5.72	5.75	5.76	1847.506	0.001664			5
5.92	5.94	5.96	70160.36	0.006955			6
Height Summation:			**286411.449**				
Amount Avg CF:				**0.036507** 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		22.91	4	40	
Aroclor-1221			17	5.1		** 73.44	3	5	
Aroclor-1232			17	4.1		33.46	4	10	
Aroclor-1242			17	4.1		16.43	4	30	
Aroclor-1248			17	3.3		28.06	4	40	
Aroclor-1254			17	4.4		24.83	4	40	
Aroclor-1260			17	3.9		30.04	4	40	
Aroclor-1262			17	3.3		** 58.94	4	40	
Aroclor-1268			17	3.3		13.28	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: 10/11/17
GC Column (1) : ZB MR1 ID: .32 (mm)
Time Analyzed: 0:15
Lab File ID: 07PCBS17282002.0035.RAW
Initial Calibration: 07PCBS1728201
Lab Standard ID: AR164KI
Init. Calib Date(s): 10/09/17 10/10/17
Calibration: 07PCBS1728201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	38.35	40.00	-4
Decachlorobiphenyl	6.60	6.58	6.64	32.50	40.24	-19
Aroclor-1016	3.19	3.17	3.21	196.41	202.00	-3
	3.40	3.38	3.42	194.88	202.00	-4
	3.52	3.50	3.54	188.83	202.00	-7
	3.73	3.71	3.75	191.75	202.00	-5
	3.79	3.77	3.81	191.82	202.00	-5
	3.98	3.96	4.00	200.79	202.00	-1
Aroclor-1260	4.76	4.74	4.78	192.31	201.64	-5
	4.96	4.94	4.98	197.98	201.64	-2
	5.16	5.14	5.18	207.89	201.64	3
	5.39	5.37	5.41	191.41	201.64	-5
	5.63	5.61	5.65	194.35	201.64	-4
	5.83	5.81	5.85	172.61	201.64	-14

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: 10/11/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 0:15

Lab File ID: 07PCBS17282002B.0035.RAW Initial Calibration: 07PCBS1728201B

Lab Standard ID: AR164KI Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	52.01	40.00	30
Decachlorobiphenyl	6.08	6.06	6.12	36.76	40.24	-9
Aroclor-1016	2.88	2.86	2.90	246.06	202.00	22
	3.21	3.19	3.23	254.42	202.00	26
	3.40	3.38	3.42	255.33	202.00	26
	3.47	3.45	3.49	256.75	202.00	27
	3.53	3.51	3.55	257.49	202.00	27
	3.63	3.61	3.65	273.28	202.00	35
Aroclor-1260	4.44	4.42	4.46	249.31	201.64	24
	4.54	4.52	4.56	252.72	201.64	25
	4.67	4.65	4.69	250.84	201.64	24
	4.89	4.87	4.91	244.61	201.64	21
	5.08	5.06	5.10	237.90	201.64	18
	5.34	5.32	5.36	228.58	201.64	13

Compounds 14 Average of %D: 23

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKQT Sample ID: QT **Batchnumber: 1728299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 11, 2017 00:27:27
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0036.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 94% (53-140) Conc.: 0.190287
%SSR(DCB) : 81% (45-143) Conc.: 0.163306

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.17	3.17	3.21	1762.891	0.003574			1
Height Summation:			1762.891				
Amount Avg CF:			0.003574	Linear:			
Aroclor-1221					2	139.46	
3.12	3.13	3.16	80728.4	0.370115			2
3.17	3.17	3.21	1762.891	0.002591			3
Height Summation:			82491.291				
Amount Avg CF:			0.186353	Linear:			
Aroclor-1232					1		
3.17	3.17	3.21	1762.891	0.003131			1
Height Summation:			1762.891				
Amount Avg CF:			0.003131	Linear:			
Aroclor-1242					1		
3.17	3.17	3.21	1762.891	0.002701			1
Height Summation:			1762.891				
Amount Avg CF:			0.002701	Linear:			
Aroclor-1248					2	86.27	
+ 3.84	3.84	3.88	1484.94	0.002391			3
3.84	3.85	3.88	2147.182	0.003458			3
+ 3.84	3.88	3.88	1460.378	0.002352			3
4.23	4.25	4.27	9504.516	0.014276			6
Height Summation:			11651.698				
Amount Avg CF:			0.008867	Linear:			
Aroclor-1254					4	33.26	
4.74	4.76	4.78	1934.888	0.004127			3
4.83	4.85	4.87	4374.363	0.005081			4
5.03	5.04	5.06	3034.33	0.005786			5
5.14	5.16	5.18	2069.523	0.002438			6
Height Summation:			11413.104				
Amount Avg CF:			0.004358	Linear:			
Aroclor-1260					4	59.28	
4.74	4.76	4.78	1934.888	0.001803			1
4.94	4.97	4.98	4262.207	0.004063			2
5.14	5.16	5.18	2069.523	0.00163			3
5.81	5.83	5.85	1763.595	0.00119			6
Height Summation:			10030.213				
Amount Avg CF:			0.002171	Linear:			
Aroclor-1262					2	22.76	
5.81	5.83	5.85	1763.595	0.000919			4
6.24	6.27	6.28	1254.118	0.001272			6
Height Summation:			3017.713				
Amount Avg CF:			0.001096	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 00:27:27
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0036.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 131% (53-140) Conc.: 0.26332
%SSR(DCB) : 93% (45-143) Conc.: 0.187546

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	103.65	
2.86	2.86	2.90	2281.446	0.004057			1
3.45	3.46	3.49	2441.875	0.003296			4
3.61	3.62	3.65	12480.58	0.020081			6
Height Summation:			17203.901				
Amount Avg CF:			0.009145	Linear:			
Aroclor-1221					3	158.82	
2.74	2.76	2.78	10202.04	0.027092			1
2.81	2.81	2.85	118298.6	0.499994			2
2.86	2.86	2.90	2281.446	0.002548			3
Height Summation:			130782.086				
Amount Avg CF:			0.176545	Linear:			
Aroclor-1232					3	128.48	
2.86	2.86	2.90	2281.446	0.003185			1
3.45	3.46	3.49	2441.875	0.00736			4
3.61	3.62	3.65	12480.58	0.050152			6
Height Summation:			17203.901				
Amount Avg CF:			0.020232	Linear:			
Aroclor-1242					3	103.63	
2.86	2.86	2.90	2281.446	0.003241			1
3.45	3.46	3.49	2441.875	0.002576			4
3.61	3.62	3.65	12480.58	0.01587			6
Height Summation:			17203.901				
Amount Avg CF:			0.007229	Linear:			
Aroclor-1248					5	65.95	
3.49	3.51	3.53	4433.347	0.005888			1
3.61	3.62	3.65	12480.58	0.013955			2
3.84	3.86	3.88	4755.832	0.003971			4
3.97	4.00	4.01	10689.81	0.017349			5
4.19	4.20	4.23	2713.911	0.00478			6
Height Summation:			35073.48				
Amount Avg CF:			0.009189	Linear:			
Aroclor-1254					4	64.97	
4.13	4.15	4.17	3556.504	0.003699			1
4.19	4.20	4.23	2713.911	0.001625			2
4.29	4.29	4.32	7980.114	0.009749			3
4.57	4.59	4.61	5183.054	0.007023			5
Height Summation:			19433.583				
Amount Avg CF:			0.005524	Linear:			
Aroclor-1260					4	62.12	
4.52	4.55	4.56	9955.814	0.008398			2
4.87	4.91	4.91	10794.47	0.010493			4
5.06	5.08	5.10	2990.038	0.001233			5
5.32	5.35	5.36	21694.52	0.013508			6
Height Summation:			45434.842				
Amount Avg CF:			0.008408	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKQT Sample ID: QT **Batchnumber: 1728299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 11, 2017 00:27:27
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0036.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**177.11**	
5.81	5.83	5.85	1763.595	0.000496			1
6.00	6.02	6.04	32710.76	0.010681			3
6.07	6.08	6.11	59193.61	0.078804			4
6.24	6.27	6.28	1254.118	0.001181			5
6.44	6.46	6.48	30597.09	0.003887			6

Height Summation: **125519.173**
Amount Avg CF: **0.01901** Linear:

Analysis Report (B)

Injected on : Oct 11, 2017 00:27:27
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0036.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**5**	**78.23**	
4.68	4.72	4.72	2861.511	0.001717			1
4.87	4.91	4.91	10794.47	0.006403			2
5.06	5.08	5.10	2990.038	0.000881			3
5.33	5.35	5.37	21694.52	0.009341			5
5.71	5.73	5.75	5044.271	0.003863			6

Height Summation: **43384.81**
Amount Avg CF: **0.004441** Linear:

Aroclor-1268					**5**	**107.84**	
5.33	5.35	5.37	21694.52	0.005513			2
5.48	5.50	5.52	38712.34	0.01064			3
5.55	5.57	5.59	29542.7	0.033103			4
5.71	5.73	5.75	5044.271	0.003425			5
5.91	5.93	5.95	56930.77	0.004759			6

Height Summation: **151924.601**
Amount Avg CF: **0.011488** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 87.60	4	40	
Aroclor-1221						5.41	3	40	
Aroclor-1232						** 146.39	4	40	
Aroclor-1242						** 91.21	4	40	
Aroclor-1248						3.56	4	40	
Aroclor-1254						23.59	4	40	
Aroclor-1260						** 117.90	4	40	
Aroclor-1262						** 120.83	4	40	
Aroclor-1268						** 49.33	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: 10/11/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 2:33

Lab File ID: 07PCBS17282002.0047.RAW Initial Calibration: 07PCBS1728201

Lab Standard ID: AR164KJ Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	39.00	40.00	-3
Decachlorobiphenyl	6.60	6.58	6.64	37.30	40.24	-7
Aroclor-1016	3.19	3.17	3.21	191.66	202.00	-5
	3.40	3.38	3.42	195.38	202.00	-3
	3.52	3.50	3.54	194.95	202.00	-3
	3.73	3.71	3.75	192.04	202.00	-5
	3.79	3.77	3.81	200.88	202.00	-1
	3.98	3.96	4.00	191.84	202.00	-5
Aroclor-1260	4.76	4.74	4.78	199.88	201.64	-1
	4.96	4.94	4.98	206.76	201.64	3
	5.16	5.14	5.18	206.54	201.64	2
	5.39	5.37	5.41	201.18	201.64	0
	5.63	5.61	5.65	206.04	201.64	2
	5.83	5.81	5.85	183.15	201.64	-9

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/11/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 2:33

Lab File ID: 07PCBS17282002B.0047.RAW Initial Calibration: 07PCBS1728201B

Lab Standard ID: AR164KJ Init. Calib Date(s): 10/09/17 10/10/17

Calibration: 07PCBS1728201B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	50.94	40.00	27
Decachlorobiphenyl	6.08	6.06	6.12	38.36	40.24	-5
Aroclor-1016	2.88	2.86	2.90	240.63	202.00	19
	3.21	3.19	3.23	250.15	202.00	24
	3.40	3.38	3.42	255.61	202.00	27
	3.47	3.45	3.49	262.93	202.00	30
	3.53	3.51	3.55	259.72	202.00	29
	3.63	3.61	3.65	271.81	202.00	35
Aroclor-1260	4.44	4.42	4.46	275.26	201.64	37
	4.54	4.52	4.56	264.61	201.64	31
	4.67	4.65	4.69	259.23	201.64	29
	4.89	4.87	4.91	260.20	201.64	29
	5.08	5.06	5.10	255.40	201.64	27
	5.34	5.32	5.36	249.71	201.64	24

Compounds 14 Average of %D: 27

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKQU Sample ID: QU **Batchnumber: 1728299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 11, 2017 02:44:37
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0048.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 100% (53-140) Conc.: 0.20058
%SSR(DCB) : 89% (45-143) Conc.: 0.180033

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	4.21	
3.77	3.77	3.81	1558.019	0.002473			5
3.96	3.98	4.00	1114.035	0.00233			6
Height Summation:			**2672.054**				
Amount Avg CF:			**0.002402**	Linear:			
Aroclor-1221					1		
3.12	3.13	3.16	84051.3	0.38535			2
Height Summation:			**84051.3**				
Amount Avg CF:			**0.38535**	Linear:			
Aroclor-1232					2	0.25	
3.77	3.77	3.81	1558.019	0.005536			5
3.96	3.98	4.00	1114.035	0.005555			6
Height Summation:			**2672.054**				
Amount Avg CF:			**0.005546**	Linear:			
Aroclor-1242					2	2.15	
3.77	3.77	3.81	1558.019	0.00182			5
3.96	3.98	4.00	1114.035	0.001766			6
Height Summation:			**2672.054**				
Amount Avg CF:			**0.001793**	Linear:			
Aroclor-1248					4	56.96	
3.77	3.77	3.81	1558.019	0.00427			2
3.84	3.86	3.88	1162.048	0.001871			3
3.96	3.98	4.00	1114.035	0.001585			4
4.23	4.26	4.27	3633.086	0.005457			6
Height Summation:			**7467.188**				
Amount Avg CF:			**0.003296**	Linear:			
Aroclor-1254					5	59.22	
4.62	4.62	4.65	3352.141	0.002152			2
+ 4.62	4.62	4.65	1781.136	0.001143			2
4.74	4.75	4.78	1967.357	0.004196			3
4.83	4.85	4.87	1963.094	0.00228			4
5.03	5.04	5.06	3204.819	0.006111			5
5.14	5.15	5.18	1193.329	0.001406			6
Height Summation:			**11680.74**				
Amount Avg CF:			**0.003229**	Linear:			
Aroclor-1260					3	86.29	
4.74	4.75	4.78	1967.357	0.001833			1
4.94	4.97	4.98	5630.22	0.005367			2
5.14	5.15	5.18	1193.329	0.00094			3
Height Summation:			**8790.906**				
Amount Avg CF:			**0.002713**	Linear:			
Aroclor-1262					1		
5.21	5.23	5.25	1609.144	0.001243			1
Height Summation:			**1609.144**				
Amount Avg CF:			**0.001243**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 02:44:37
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0048.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 129% (53-140) Conc.: 0.259414
%SSR(DCB) : 99% (45-143) Conc.: 0.198888

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.19	3.20	3.23	2782.554	0.004076			2
Height Summation:			**2782.554**				
Amount Avg CF:			**0.004076**	Linear:			
Aroclor-1221					1		
2.81	2.81	2.85	119166.4	0.503661			2
Height Summation:			**119166.4**				
Amount Avg CF:			**0.503661**	Linear:			
Aroclor-1232					1		
3.19	3.20	3.23	2782.554	0.007987			2
Height Summation:			**2782.554**				
Amount Avg CF:			**0.007987**	Linear:			
Aroclor-1242					1		
3.19	3.20	3.23	2782.554	0.0032			2
Height Summation:			**2782.554**				
Amount Avg CF:			**0.0032**	Linear:			
Aroclor-1248					3	41.45	
3.84	3.85	3.88	3932.16	0.003284			4
3.97	3.99	4.01	4359.083	0.007075			5
4.19	4.21	4.23	4629.71	0.008153			6
Height Summation:			**12920.953**				
Amount Avg CF:			**0.006171**	Linear:			
Aroclor-1254					4	49.00	
4.13	4.15	4.17	6190.254	0.006438			1
4.19	4.21	4.23	4629.71	0.002771			2
4.29	4.30	4.32	1883.089	0.0023			3
4.65	4.67	4.69	4497.076	0.003615			6
Height Summation:			**17200.129**				
Amount Avg CF:			**0.003781**	Linear:			
Aroclor-1260					2	71.48	
4.52	4.55	4.56	10839.29	0.009144			2
4.65	4.67	4.69	4497.076	0.003004			3
Height Summation:			**15336.366**				
Amount Avg CF:			**0.006074**	Linear:			
Aroclor-1262					1		
5.28	5.32	5.32	44324.86	0.031491			4
Height Summation:			**44324.86**				
Amount Avg CF:			**0.031491**	Linear:			
Aroclor-1268					4	98.26	
5.28	5.32	5.32	44324.86	0.011069			1
5.48	5.50	5.52	47560.91	0.013073			3
5.55	5.57	5.59	41313.59	0.046292			4
5.91	5.93	5.95	61702.65	0.005158			6
Height Summation:			**194902.01**				
Amount Avg CF:			**0.018898**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKQU Sample ID: QU **Batchnumber: 1728299999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 11, 2017 02:44:37
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0048.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**3**	**99.07**	
6.00	6.02	6.04	40803.79	0.013324			3
6.07	6.08	6.11	32583.3	0.043378			4
6.44	6.46	6.48	37309.39	0.004739			6

Height Summation: **110696.48**
Amount Avg CF: **0.02048** Linear:

Analysis Report (B)

Injected on : Oct 11, 2017 02:44:37
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0048.RAW
Calibration file : 07PCBS1728201B.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						** 51.70	4	40	
Aroclor-1221						26.62	3	40	
Aroclor-1232						36.08	4	40	
Aroclor-1242						** 56.35	4	40	
Aroclor-1248						** 60.73	4	40	
Aroclor-1254						15.75	4	40	
Aroclor-1260						** 76.49	4	40	
Aroclor-1262						** 184.81	4	40	
Aroclor-1268						8.04	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17284001
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	25PCBS17284001.001	CONDITIONER		10/11/17 21:17	1728399999	1.00
9065	25PCBS17284001.002	CONDITIONER		10/11/17 21:29	1728399999	1.00
9065	25PCBS17284001.003	CONDITIONER		10/11/17 21:40	1728399999	1.00
9065	25PCBS17284001.004	CONDITIONER		10/11/17 21:51	1728399999	1.00
9065	25PCBS17284001.005	IBLKX1724B	PIBLKAA	10/11/17 22:02	1728399999	10.00
9065	25PCBS17284001.006	EVALX1724A	EVALXAA	10/11/17 22:13	1728399999	1.00
9065	25PCBS17284001.007	AR1611724B	AR161AA	10/11/17 22:25	1728399999	1.00
9065	25PCBS17284001.008	AR1621724B	AR162AA	10/11/17 22:36	1728399999	1.00
9065	25PCBS17284001.009	AR1631724B	AR163AA	10/11/17 22:47	1728399999	1.00
9065	25PCBS17284001.010	AR1641724B	AR164AA	10/11/17 22:59	1728399999	1.00
9065	25PCBS17284001.011	AR1651724B	AR165AA	10/11/17 23:10	1728399999	1.00
9065	25PCBS17284001.012	AR1661724A	AR166AA	10/11/17 23:21	1728399999	1.00
9065	25PCBS17284001.013	AR4811724C	AR481AA	10/11/17 23:33	1728399999	1.00
9065	25PCBS17284001.014	AR4821724C	AR482AA	10/11/17 23:44	1728399999	1.00
9065	25PCBS17284001.015	AR4831724C	AR483AA	10/11/17 23:55	1728399999	1.00
9065	25PCBS17284001.016	AR4841724C	AR484AA	10/12/17 0:07	1728399999	1.00
9065	25PCBS17284001.017	AR4851724C	AR485AA	10/12/17 0:18	1728399999	1.00
9065	25PCBS17284001.018	AR4861724B	AR486AA	10/12/17 0:29	1728399999	1.00
9065	25PCBS17284001.019	AR5411724C	AR541AA	10/12/17 0:41	1728399999	1.00
9065	25PCBS17284001.020	AR5421724C	AR542AA	10/12/17 0:52	1728399999	1.00
9065	25PCBS17284001.021	AR5431724C	AR543AA	10/12/17 1:03	1728399999	1.00
9065	25PCBS17284001.022	AR5441724C	AR544AA	10/12/17 1:15	1728399999	1.00
9065	25PCBS17284001.023	AR5451724C	AR545AA	10/12/17 1:26	1728399999	1.00
9065	25PCBS17284001.024	AR5461724B	AR546AA	10/12/17 1:37	1728399999	1.00
9065	25PCBS17284001.025	AR2131724A	AR213AA	10/12/17 1:49	1728399999	1.00
9065	25PCBS17284001.026	AR3241724A	AR324AA	10/12/17 2:00	1728399999	1.00
9065	25PCBS17284001.027	AR4231724A	AR423AA	10/12/17 2:11	1728399999	1.00
9065	25PCBS17284001.028	AR6231724A	AR623AA	10/12/17 2:22	1728399999	1.00
9065	25PCBS17284001.029	AR6831724B	AR683AA	10/12/17 2:34	1728399999	1.00
9065	25PCBS17284001.030	AR16XX1724B	AR16XAA	10/12/17 2:45	1728399999	1.00
9065	25PCBS17284001.031	MD16X1724B	MD16XAA	10/12/17 2:57	1728399999	1.00
9065	25PCBS17284001.032	IC16X1724C	IC16XAA	10/12/17 3:08	1728399999	1.00
9065	25PCBS17284001.033	IC48X1724B	IC48XAA	10/12/17 3:19	1728399999	1.00
9065	25PCBS17284001.034	IC54X1724B	IC54XAA	10/12/17 3:31	1728399999	1.00
9065	25PCBS17284001.035	BLANKA 10/6/17 RI A	PBLK30278	10/12/17 3:42	172780030A	10.00
9065	25PCBS17284001.036	LCSA 10/6/17 RI ACF	LCS30278	10/12/17 3:53	172780030A	10.00
9065	25PCBS17284001.037	9228481 RI ACF	11441	10/12/17 4:05	172780030A	10.00
9065	25PCBS17284001.038	9228494 RI ACF	18601	10/12/17 4:16	172780030A	10.00
9065	25PCBS17284001.039	9240540 RI ACF	AWC1-	10/12/17 4:28	172780030A	10.00
9065	25PCBS17284001.040	9240543 RI ACF	AWC2-	10/12/17 4:39	172780030A	10.00
9065	25PCBS17284001.041	9240546 RI ACF	AWC3-	10/12/17 4:50	172780030A	10.00
9065	25PCBS17284001.042	9240554 RI ACF	BWC1-	10/12/17 5:01	172780030A	10.00
9065	25PCBS17284001.043	9240554MS RI ACF	BWC1-MS	10/12/17 5:13	172780030A	10.00
9065	25PCBS17284001.044	9240554MSD RI ACF	BWC1-MSD	10/12/17 5:24	172780030A	10.00
9065	25PCBS17284001.045	9240557 RI ACF	BWC2-	10/12/17 5:36	172780030A	10.00
9065	25PCBS17284001.046	BLANKA 10/6/17 RI A	PBLK31278	10/12/17 5:47	172780031A	10.00
9065	25PCBS17284001.047	LCSA 10/6/17 RI ACF	LCS31278	10/12/17 5:58	172780031A	10.00
9065	25PCBS17284001.048	9229385 RI ACF DF5	95A16	10/12/17 6:09	172780031A	5,000.00
9065	25PCBS17284001.049	9229385MS ACF DF	95A16MS	10/12/17 6:21	172780031A	5,000.00
9065	25PCBS17284001.050	9229385MSD ACF D	95A16MSD	10/12/17 6:32	172780031A	5,000.00
9065	25PCBS17284001.051	9229386 RI ACF DF2	95A17	10/12/17 6:43	172780031A	########
9065	25PCBS17284001.052	9229387 RI ACF DF1	95A18	10/12/17 6:55	172780031A	1,000.00
9065	25PCBS17284001.053	9229388 RI ACF DF5	96A01	10/12/17 7:06	172780031A	5,000.00
9065	25PCBS17284001.054	9229389 RI ACF DF2	96A02	10/12/17 7:17	172780031A	20,000.00
9065	25PCBS17284001.055	AR1641724B	AR164LB	10/12/17 7:29	1728399999	1.00
9065	25PCBS17284001.056	IBLKX1724B	PIBLKSA	10/12/17 7:40	1728399999	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17284001.057	9229390 RI ACF DF2	96A03	10/12/17 7:52	172780031A	2,000.00
9065	25PCBS17284001.058	9229391 RI ACF DF5	96A04	10/12/17 8:03	172780031A	50,000.00
9065	25PCBS17284001.059	9229392 RI ACF DF1	96A05	10/12/17 8:14	172780031A	10,000.00
9065	25PCBS17284001.060	9229393 RI ACF DF1	96A06	10/12/17 8:25	172780031A	10,000.00
9065	25PCBS17284001.061	9229394 RI ACF DF1	96A07	10/12/17 8:37	172780031A	10,000.00
9065	25PCBS17284001.062	9229395 RI ACF DF2	96A08	10/12/17 8:48	172780031A	20,000.00
9065	25PCBS17284001.063	9229396 RI ACF DF1	96A09	10/12/17 9:00	172780031A	100.00
9065	25PCBS17284001.064	9229396 RI ACF DF2	96A09	10/12/17 9:11	172780031A	200.00
9065	25PCBS17284001.065	9229397 ACF DF200	96A10	10/12/17 9:23	172780031A	2,000.00
9065	25PCBS17284001.066	9229397 ACF DF500	96A10	10/12/17 9:34	172780031A	5,000.00
9065	25PCBS17284001.067	9229398 RI ACF DF5	96A11	10/12/17 9:46	172780031A	5,000.00
9065	25PCBS17284001.068	9229399 RI ACF DF5	96A12	10/12/17 9:57	172780031A	5,000.00
9065	25PCBS17284001.069	BLANKA 10/7/17 RI AP	BLK13279	10/12/17 10:08	172790013A	10.00
9065	25PCBS17284001.070	LCSA 10/7/17 RI ACF	LCS13279	10/12/17 10:20	172790013A	10.00
9065	25PCBS17284001.071	9229422 RI ACF DF5	97A12	10/12/17 10:31	172790013A	500.00
9065	25PCBS17284001.072	9229423MS RI ACF D	97A12	10/12/17 10:42	172790013A	500.00
9065	25PCBS17284001.073	9229424MSD RI ACF	97A12	10/12/17 10:54	172790013A	500.00
9065	25PCBS17284001.074	9229425 RI ACF DF5	97A13	10/12/17 11:05	172790013A	500.00
9065	25PCBS17284001.075	9229426 ACF DF10	97A14	10/12/17 11:17	172790013A	100.00
9065	25PCBS17284001.076	AR1641724B	AR164LC	10/12/17 11:28	1728399999	1.00
9065	25PCBS17284001.077	IBLKX1724B	PIBLKSB	10/12/17 11:39	1728399999	10.00
9065	25PCBS17284001.078	9229426 ACF DF20	97A14	10/12/17 11:50	172790013A	200.00
9065	25PCBS17284001.079	9229427 ACF DF100	97A15	10/12/17 12:02	172790013A	1,000.00
9065	25PCBS17284001.080	9229427 ACF DF200	97A15	10/12/17 12:13	172790013A	2,000.00
9065	25PCBS17284001.081	9229428 RI ACF DF5	97A16	10/12/17 12:25	172790013A	500.00
9065	25PCBS17284001.082	9229429 ACF DF50	97A17	10/12/17 12:36	172790013A	500.00
9065	25PCBS17284001.083	9229430 RI ACF DF1	97A18	10/12/17 12:47	172790013A	1,000.00
9065	25PCBS17284001.084	9229430 ACF DF200	97A18	10/12/17 12:59	172790013A	2,000.00
9065	25PCBS17284001.085	9229450 RI ACF DF5	98A01	10/12/17 13:10	172790013A	500.00
9065	25PCBS17284001.086	9229451 RI ACF DF5	98A02	10/12/17 13:21	172790013A	500.00
9065	25PCBS17284001.087	9229452 RI ACF DF2	98A03	10/12/17 13:33	172790013A	2,000.00
9065	25PCBS17284001.088	9229453 RI ACF DF1	98A04	10/12/17 13:44	172790013A	1,000.00
9065	25PCBS17284001.089	9229454 RI ACF DF5	98A05	10/12/17 13:55	172790013A	500.00
9065	25PCBS17284001.090	9229455 RI ACF DF5	98A06	10/12/17 14:06	172790013A	500.00
9065	25PCBS17284001.091	9229456 RI ACF DF1	98A07	10/12/17 14:18	172790013A	1,000.00
9065	25PCBS17284001.092	9229457 RI ACF DF5	98A08	10/12/17 14:30	172790013A	500.00
9065	25PCBS17284001.093	9229458 RI ACF DF5	98A09	10/12/17 14:41	172790013A	500.00
9065	25PCBS17284001.094	9229459 RI ACF DF5	98A10	10/12/17 14:52	172790013A	500.00
9065	25PCBS17284001.095	9229460 RI ACF	98A11	10/12/17 15:03	172790013A	10.00
9065	25PCBS17284001.096	AR1641724B	AR164LD	10/12/17 15:14	1728399999	1.00
9065	25PCBS17284001.097	IBLKX1724B	PIBLKSC	10/12/17 15:26	1728399999	10.00
9065	25PCBS17284001.098	9229460 RI ACF DF5	98A11	10/12/17 15:37	172790013A	50.00
9065	25PCBS17284001.099	9229461 RI ACF DF5	98A12	10/12/17 15:48	172790013A	500.00
9065	25PCBS17284001.100	9229462 RI ACF DF2	98A13	10/12/17 16:00	172790013A	200.00
9065	25PCBS17284001.101	AR1641724B	AR164LE	10/12/17 16:11	1728399999	1.00
9065	25PCBS17284001.102	IBLKX1724B	PIBLKSD	10/12/17 16:22	1728399999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17282001
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	07PCBS17282001.0001	CONDITIONER		10/9/17 19:08	1728199999	1.00
9065	07PCBS17282001.0002	CONDITIONER		10/9/17 19:19	1728199999	1.00
9065	07PCBS17282001.0003	CONDITIONER		10/9/17 19:31	1728199999	1.00
9065	07PCBS17282001.0004	CONDITIONER		10/9/17 19:42	1728199999	1.00
9065	07PCBS17282001.0005	IBLKX1724B	PIBLKAA	10/9/17 19:53	1728199999	10.00
9065	07PCBS17282001.0006	EVALX1724A	EVALXAA	10/9/17 20:05	1728199999	1.00
9065	07PCBS17282001.0007	AR1611724B	AR161AA	10/9/17 20:16	1728199999	1.00
9065	07PCBS17282001.0008	AR1621724B	AR162AA	10/9/17 20:28	1728199999	1.00
9065	07PCBS17282001.0009	AR1631724B	AR163AA	10/9/17 20:39	1728199999	1.00
9065	07PCBS17282001.0010	AR1641724B	AR164AA	10/9/17 20:51	1728199999	1.00
9065	07PCBS17282001.0011	AR1651724B	AR165AA	10/9/17 21:02	1728199999	1.00
9065	07PCBS17282001.0012	AR1661724A	AR166AA	10/9/17 21:13	1728199999	1.00
9065	07PCBS17282001.0013	AR4811724C	AR481AA	10/9/17 21:25	1728199999	1.00
9065	07PCBS17282001.0014	AR4821724C	AR482AA	10/9/17 21:36	1728199999	1.00
9065	07PCBS17282001.0015	AR4831724C	AR483AA	10/9/17 21:48	1728199999	1.00
9065	07PCBS17282001.0016	AR4841724C	AR484AA	10/9/17 21:59	1728199999	1.00
9065	07PCBS17282001.0017	AR4851724C	AR485AA	10/9/17 22:11	1728199999	1.00
9065	07PCBS17282001.0018	AR4861724B	AR486AA	10/9/17 22:22	1728199999	1.00
9065	07PCBS17282001.0019	AR5411724C	AR541AA	10/9/17 22:34	1728199999	1.00
9065	07PCBS17282001.0020	AR5421724C	AR542AA	10/9/17 22:45	1728199999	1.00
9065	07PCBS17282001.0021	AR5431724C	AR543AA	10/9/17 22:56	1728199999	1.00
9065	07PCBS17282001.0022	AR5441724C	AR544AA	10/9/17 23:08	1728199999	1.00
9065	07PCBS17282001.0023	AR5451724C	AR545AA	10/9/17 23:19	1728199999	1.00
9065	07PCBS17282001.0024	AR5461724B	AR546AA	10/9/17 23:31	1728199999	1.00
9065	07PCBS17282001.0025	AR6231724A	AR623AA	10/9/17 23:42	1728199999	1.00
9065	07PCBS17282001.0026	AR6831724B	AR683AA	10/9/17 23:54	1728199999	1.00
9065	07PCBS17282001.0027	AR2131724A	AR213AA	10/10/17 0:05	1728199999	1.00
9065	07PCBS17282001.0028	AR3241724A	AR324AA	10/10/17 0:16	1728199999	1.00
9065	07PCBS17282001.0029	AR4231724A	AR423AA	10/10/17 0:28	1728199999	1.00
9065	07PCBS17282001.0030	MD16X1724B	MD16XAA	10/10/17 0:39	1728199999	1.00
9065	07PCBS17282001.0031	IC16X1724C	IC16XAA	10/10/17 0:51	1728199999	1.00
9065	07PCBS17282001.0032	AR16XX1724B	AR16XAA	10/10/17 1:02	1728199999	1.00
9065	07PCBS17282001.0033	IC48X1724B	IC48XAA	10/10/17 1:13	1728199999	1.00
9065	07PCBS17282001.0034	IC54X1724B	IC54XAA	10/10/17 1:25	1728199999	1.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17282002
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	07PCBS17282002.0001	CONDITIONER		10/10/17 17:47	1728299999	1.00
9065	07PCBS17282002.0002	CONDITIONER		10/10/17 17:58	1728299999	1.00
9065	07PCBS17282002.0003	CONDITIONER		10/10/17 18:10	1728299999	1.00
9065	07PCBS17282002.0004	CONDITIONER		10/10/17 18:21	1728299999	1.00
9065	07PCBS17282002.0005	AR1641724B	AR164KG	10/10/17 18:32	1728299999	1.00
9065	07PCBS17282002.0006	IBLKX1724B	PIBLKQR	10/10/17 18:44	1728299999	10.00
9065	07PCBS17282002.0007	9238122MSD RI ACF	R5111	10/10/17 18:55	172770038A	10.00
9065	07PCBS17282002.0008	9238124 RI ACF	R5112	10/10/17 19:07	172770038A	10.00
9065	07PCBS17282002.0009	9238125 RI ACF	R5113	10/10/17 19:18	172770038A	10.00
9065	07PCBS17282002.0010	9238126 RI ACF	R5114	10/10/17 19:29	172770038A	10.00
9065	07PCBS17282002.0011	9238127 RI ACF	R5115	10/10/17 19:41	172770038A	10.00
9065	07PCBS17282002.0012	9238128 RI ACF	R5116	10/10/17 19:52	172770038A	10.00
9065	07PCBS17282002.0013	9238129 RI ACF	R5117	10/10/17 20:03	172770038A	10.00
9065	07PCBS17282002.0014	9238130 RI ACF	R5118	10/10/17 20:15	172770038A	10.00
9065	07PCBS17282002.0015	9238131 RI ACF	R5119	10/10/17 20:26	172770038A	10.00
9065	07PCBS17282002.0016	9238132 RI ACF	R5120	10/10/17 20:38	172770038A	10.00
9065	07PCBS17282002.0017	AR1641724B	AR164KH	10/10/17 20:49	1728299999	1.00
9065	07PCBS17282002.0018	IBLKX1724B	PIBLKQS	10/10/17 21:01	1728299999	10.00
9065	07PCBS17282002.0019	9235497 RI ACF	ADR01	10/10/17 21:12	172770034A	10.00
9065	07PCBS17282002.0020	9235498 RI ACF	ADR02	10/10/17 21:24	172770034A	10.00
9065	07PCBS17282002.0021	9235498MS RI ACF	ADR02MS	10/10/17 21:35	172770034A	10.00
9065	07PCBS17282002.0022	9235498MSD RI ACF	ADR02MSD	10/10/17 21:47	172770034A	10.00
9065	07PCBS17282002.0023	9235499 RI ACF	ADR03	10/10/17 21:58	172770034A	10.00
9065	07PCBS17282002.0024	9235501 RI ACF	ADR05	10/10/17 22:10	172770034A	10.00
9065	07PCBS17282002.0025	9235503 RI ACF	ADR07	10/10/17 22:21	172770034A	10.00
9065	07PCBS17282002.0026	9235504 RI ACF	ADR08	10/10/17 22:32	172770034A	10.00
9065	07PCBS17282002.0027	9235505 RI ACF DF1	ADR09	10/10/17 22:44	172770034A	100.00
9065	07PCBS17282002.0028	9235506 RI ACF DF5	ADR10	10/10/17 22:55	172770034A	50.00
9065	07PCBS17282002.0029	9235507 RI ACF	ADR11	10/10/17 23:07	172770034A	10.00
9065	07PCBS17282002.0030	9235509 ACF DF20	ADR13	10/10/17 23:18	172770034A	200.00
9065	07PCBS17282002.0031	9235511 RI ACF	ADR15	10/10/17 23:30	172770034A	10.00
9065	07PCBS17282002.0032	9235512 RI ACF	ADR16	10/10/17 23:41	172770034A	10.00
9065	07PCBS17282002.0033	9235513 RI ACF DF5	ADR17	10/10/17 23:53	172770034A	50.00
9065	07PCBS17282002.0034	9235514 RI ACF DF5	ADR18	10/11/17 0:04	172770034A	50.00
9065	07PCBS17282002.0035	AR1641724B	AR164KI	10/11/17 0:15	1728299999	1.00
9065	07PCBS17282002.0036	IBLKX1724B	PIBLKQT	10/11/17 0:27	1728299999	10.00
9065	07PCBS17282002.0037	BLANKA 10/7/17 ACI	PBLK09279	10/11/17 0:38	172790009A	10.00
9065	07PCBS17282002.0038	LCSA 10/7/17 ACF	LCS09279	10/11/17 0:50	172790009A	10.00
9065	07PCBS17282002.0039	9229400 ACF DF20	96A13	10/11/17 1:01	172790009A	200.00
9065	07PCBS17282002.0040	9229401MS ACF DF	96A13	10/11/17 1:12	172790009A	200.00
9065	07PCBS17282002.0041	9229402MSD ACF D	96A13	10/11/17 1:24	172790009A	200.00
9065	07PCBS17282002.0042	9229403 ACF DF20	96A14	10/11/17 1:35	172790009A	200.00
9065	07PCBS17282002.0043	9229404 ACF DF50	96A15	10/11/17 1:47	172790009A	500.00
9065	07PCBS17282002.0044	9229405 ACF DF20	96A16	10/11/17 1:58	172790009A	200.00
9065	07PCBS17282002.0045	9229406 ACF DF20	96A17	10/11/17 2:10	172790009A	200.00
9065	07PCBS17282002.0046	9229407 ACF DF50	96A18	10/11/17 2:21	172790009A	500.00
9065	07PCBS17282002.0047	AR1641724B	AR164KJ	10/11/17 2:33	1728299999	1.00
9065	07PCBS17282002.0048	IBLKX1724B	PIBLKQU	10/11/17 2:44	1728299999	10.00
9065	07PCBS17282002.0049	9229411 ACF DF20	097A01	10/11/17 2:56	172790009A	2,000.00
9065	07PCBS17282002.0050	9229412 ACF DF20	097A02	10/11/17 3:07	172790009A	2,000.00
9065	07PCBS17282002.0051	9229412 ACF DF50	097A02	10/11/17 3:18	172790009A	5,000.00
9065	07PCBS17282002.0052	9229413 ACF DF20	097A03	10/11/17 3:30	172790009A	2,000.00
9065	07PCBS17282002.0053	9229413 ACF DF50	097A03	10/11/17 3:41	172790009A	5,000.00
9065	07PCBS17282002.0054	9229414 ACF DF20	097A04	10/11/17 3:52	172790009A	2,000.00
9065	07PCBS17282002.0055	9229414 ACF DF50	097A04	10/11/17 4:04	172790009A	5,000.00
9065	07PCBS17282002.0056	9229415 ACF DF10	097A05	10/11/17 4:15	172790009A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17282002.0057	9229416 ACF DF2	0097A06	10/11/17 4:26	172790009A	2,000.00
9065	07PCBS17282002.0058	9229417 ACF DF1	0097A07	10/11/17 4:38	172790009A	1,000.00
9065	07PCBS17282002.0059	AR1641724B	AR164KK	10/11/17 4:49	1728299999	1.00
9065	07PCBS17282002.0060	IBLKX1724B	PIBLKQV	10/11/17 5:01	1728299999	10.00
9065	07PCBS17282002.0061	9229418 ACF DF2	0097A08	10/11/17 5:12	172790009A	2,000.00
9065	07PCBS17282002.0062	9229418 ACF DF5	0097A08	10/11/17 5:24	172790009A	5,000.00
9065	07PCBS17282002.0063	9229419 ACF DF1	0097A09	10/11/17 5:35	172790009A	1,000.00
9065	07PCBS17282002.0064	9229419 ACF DF2	0097A09	10/11/17 5:47	172790009A	2,000.00
9065	07PCBS17282002.0065	9229420 ACF DF5	0097A10	10/11/17 5:58	172790009A	5,000.00
9065	07PCBS17282002.0066	9229421 ACF DF1	0097A11	10/11/17 6:09	172790009A	1,000.00
9065	07PCBS17282002.0067	9249186 ACF DF5	DAFSL	10/11/17 6:21	172790009A	50.00
9065	07PCBS17282002.0068	BLANKA 10/7/17 AF	PBLK14279	10/11/17 6:32	172790014A	10.00
9065	07PCBS17282002.0069	LCSA 10/7/17 AF	LCS14279	10/11/17 6:44	172790014A	10.00
9065	07PCBS17282002.0070	9234892 AF DF10	02F01	10/11/17 6:55	172790014A	100.00
9065	07PCBS17282002.0071	AR1641724B	AR164KL	10/11/17 7:07	1728299999	1.00
9065	07PCBS17282002.0072	IBLKX1724B	PIBLKQW	10/11/17 7:18	1728299999	10.00
9065	07PCBS17282002.0073	9234893 AF DF10	02F02	10/11/17 7:29	172790014A	100.00
9065	07PCBS17282002.0074	9234894 AF DF20	02F03	10/11/17 7:41	172790014A	200.00
9065	07PCBS17282002.0075	9234895 AF DF10	02F04	10/11/17 7:52	172790014A	100.00
9065	07PCBS17282002.0076	9234896 AF DF10	02F05	10/11/17 8:04	172790014A	100.00
9065	07PCBS17282002.0077	9234897 AF DF10	02F06	10/11/17 8:15	172790014A	100.00
9065	07PCBS17282002.0078	9234898 AF DF5	02F07	10/11/17 8:27	172790014A	50.00
9065	07PCBS17282002.0079	9234899 AF DF5	02F08	10/11/17 8:38	172790014A	50.00
9065	07PCBS17282002.0080	9234900 AF DF10	02F09	10/11/17 8:49	172790014A	100.00
9065	07PCBS17282002.0081	9234901 AF DF5	02F10	10/11/17 9:01	172790014A	50.00
9065	07PCBS17282002.0082	9234902 AF DF5	02F11	10/11/17 9:12	172790014A	50.00
9065	07PCBS17282002.0083	AR1641724B	AR164KM	10/11/17 9:23	1728299999	1.00
9065	07PCBS17282002.0084	IBLKX1724B	PIBLKQX	10/11/17 9:35	1728299999	10.00
9065	07PCBS17282002.0085	9234903 AF DF5	02F12	10/11/17 9:46	172790014A	50.00
9065	07PCBS17282002.0086	9234904 AF DF20	02F13	10/11/17 9:58	172790014A	200.00
9065	07PCBS17282002.0087	9234905 AF DF10	02F14	10/11/17 10:09	172790014A	100.00
9065	07PCBS17282002.0088	9234906 AF DF20	02F15	10/11/17 10:21	172790014A	200.00
9065	07PCBS17282002.0089	9234907 AF DF10	02F16	10/11/17 10:32	172790014A	100.00
9065	07PCBS17282002.0090	9234908 AF DF5	02F17	10/11/17 10:44	172790014A	50.00
9065	07PCBS17282002.0091	9234909 AF DF10	02F18	10/11/17 10:55	172790014A	100.00
9065	07PCBS17282002.0092	9234910MS AF DF1	02F18	10/11/17 11:07	172790014A	100.00
9065	07PCBS17282002.0093	9234911MSD AF DF	02F18	10/11/17 11:18	172790014A	100.00
9065	07PCBS17282002.0094	AR1641724B	AR164KN	10/11/17 11:30	1728299999	1.00
9065	07PCBS17282002.0095	IBLKX1724B	PIBLKQY	10/11/17 11:41	1728299999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATG96

Fraction: Polychlorinated Biphenyls (PCBs)

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

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229388 RI ACF DF500 96A01 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.09 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 07:06:18
Instrument	18274A
Result file	25PCBS17284001.053.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 206% (61 - 152) Conc: 62.40366

%SSR(DCB) * 184% (48 - 164) Conc: 49.61452

Analysis Report (B)

Injected on	Oct 12, 2017 07:06:18
Instrument	18274B
Result file	25PCBS17284001B.053.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 146% (61 - 152) Conc: 44.32887

%SSR(DCB) * 171% (48 - 164) Conc: 45.97593

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	18999	62.40366
Decachlorobiphenyl	6.57	6.60	6.63	9651	49.61452

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	24371	44.32887
Decachlorobiphenyl	6.07	6.10	6.13	28088	45.97593

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	62.40366				33.87	
☑	Tetrachloro-m-xylene-D1	A	62.40366					
☑	Tetrachloro-m-xylene-D2	B	44.32887					
☐	Decachlorobiphenyl	A	49.61452				7.61	
☑	Decachlorobiphenyl-D1	A	49.61452					
☑	Decachlorobiphenyl-D2	B	45.97593					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**26.67**	
4.55	4.56	4.59	870159.2	142004.253904			1
4.61	4.62	4.65	3286024	273858.339884			2
4.73	4.75	4.77	1156972	300099.052988			3
4.82	4.83	4.86	2373294	289562.849126			4
5.02	5.03	5.06	1173948	196618.482405			5
5.13	5.15	5.17	2582502	308386.298518			6

Height summation: **11442899.2**

Concentration CF: **251754.879471** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.69**	
4.22	4.23	4.26	7631027	293274.148786			1
4.31	4.32	4.35	3404130	269870.928372			2
4.38	4.39	4.42	4686376	304450.841253			3
4.44	4.46	4.48	3575604	363771.13314			4
4.59	4.61	4.63	2310226	206521.981189			5
4.67	4.69	4.71	4993980	294124.586719			6

Height summation: **26601343**

Concentration CF: **288668.936577** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<25272.5461	<4905.8472	D1		4	
☑	PCB-1221			<25272.5461	<7581.7638	D1		3	
☑	PCB-1232			<25272.5461	<6095.1435	D1		4	
☑	PCB-1242			<25272.5461	<6095.1435	D1		4	
☑	PCB-1248			<25272.5461	<4905.8472	D1		4	
☑	PCB-1254	B	288668.936577	25272.5461	6541.1296	D2	13.66	4	
☑	PCB-1260			<25272.5461	<5797.8194	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:50

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229388** RI ACF DF500 96A01 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.053.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *206% (61-152) Conc.: 62.40366
%SSR(DCB) : *184% (48-164) Conc.: 49.61452

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	81.96	
+ 3.16	3.16	3.20	458.4516	86.075435			1
3.16	3.18	3.20	30833.26	5789.021746			1
+ 3.38	3.39	3.42	54066.88	10974.731355			2
3.38	3.41	3.42	90329.6	18335.496581			2
3.49	3.51	3.53	219947	34851.508771			3
3.71	3.73	3.75	262801.6	36480.44499			4
3.76	3.78	3.80	113022.1	18146.36735			5
3.96	3.97	4.00	342237.2	81646.856548			6
Height Summation:			**1059170.76**				
Amount Avg CF:			**32541.615997**	Linear:			
Aroclor-1221					3	70.93	
3.06	3.08	3.10	30335.28	13343.961839			1
3.11	3.13	3.15	7546.354	3770.591403			2
+ 3.16	3.16	3.20	458.4516	73.710903			3
3.16	3.18	3.20	30833.26	4957.442467			3
Height Summation:			**68714.894**				
Amount Avg CF:			**7357.331903**	Linear:			
Aroclor-1232					6	89.21	
+ 3.16	3.16	3.20	458.4516	84.178475			1
3.16	3.18	3.20	30833.26	5661.44124			1
+ 3.38	3.39	3.42	54066.88	26635.893055			2
3.38	3.41	3.42	90329.6	44500.617852			2
3.49	3.51	3.53	219947	80239.828391			3
3.70	3.73	3.74	262801.6	78860.51285			4
3.76	3.78	3.80	113022.1	45946.792581			5
E 3.95	3.97	3.99	342237.2	204369.769299			6
Height Summation:			**1059170.76**				
Amount Avg CF:			**76596.493702**	Linear:			
Aroclor-1242					6	83.89	
+ 3.16	3.16	3.20	458.4516	62.324829			1
3.16	3.18	3.20	30833.26	4191.669656			1
+ 3.37	3.39	3.41	54066.88	8679.624796			2
3.37	3.41	3.41	90329.6	14501.059353			2
3.49	3.51	3.53	219947	26325.308051			3
3.70	3.73	3.74	262801.6	25322.388904			4
3.76	3.78	3.80	113022.1	14193.500977			5
3.95	3.97	3.99	342237.2	63467.072925			6
Height Summation:			**1059170.76**				
Amount Avg CF:			**24666.833311**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.053.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 146% (61-152) Conc.: 44.32887
%SSR(DCB) : *171% (48-164) Conc.: 45.97593

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	118.14	
2.88	2.90	2.92	62525.26	6478.013667			1
3.21	3.23	3.25	406691.5	34797.818549			2
+ 3.21	3.24	3.25	12524.47	1071.633497			2
3.40	3.40	3.44	520496.7	45371.844132			3
+ 3.40	3.42	3.44	123578	10772.329112			3
+ 3.40	3.43	3.44	280712.1	24469.752925			3
3.47	3.49	3.51	230511.8	18273.743904			4
3.53	3.55	3.57	2336201	222616.712495			5
+ 3.53	3.57	3.57	2162271	206042.91392			5
+ 3.64	3.65	3.68	820276.1	77402.228647			6
3.64	3.68	3.68	826439.6	77983.823839			6
Height Summation:			**4382865.86**				
Amount Avg CF:			**67586.992764**	Linear:			
Aroclor-1221					3	58.61	
2.77	2.79	2.81	68410.1	14742.341915			1
2.83	2.85	2.87	17203.35	6134.525752			2
2.88	2.90	2.92	62525.26	5519.104827			3
Height Summation:			**148138.71**				
Amount Avg CF:			**8798.657498**	Linear:			
Aroclor-1232					6	133.13	
2.88	2.90	2.92	62525.26	6079.320669			1
3.21	3.23	3.25	406691.5	78631.70499			2
+ 3.21	3.24	3.25	12524.47	2421.54171			2
E 3.40	3.40	3.44	520496.7	101972.549073			3
+ 3.40	3.42	3.44	123578	24210.65046			3
+ 3.40	3.43	3.44	280712.1	54995.408026			3
3.47	3.49	3.51	230511.8	43834.531022			4
E 3.53	3.55	3.57	2336201	652275.307722			5
E+ 3.53	3.57	3.57	2162271	603713.456977			5
E 3.63	3.65	3.67	820276.1	199970.655022			6
Height Summation:			**4376702.36**				
Amount Avg CF:			**180460.678083**	Linear:			
Aroclor-1242					6	130.63	
2.88	2.90	2.92	62525.26	4947.351145			1
3.21	3.23	3.25	406691.5	26730.184978			2
+ 3.21	3.24	3.25	12524.47	823.182682			2
3.40	3.40	3.44	520496.7	31041.079926			3
+ 3.40	3.42	3.44	123578	7369.872998			3
+ 3.40	3.43	3.44	280712.1	16740.945202			3
3.47	3.49	3.51	230511.8	13904.78994			4
E 3.53	3.55	3.57	2336201	199668.742843			5
E+ 3.53	3.57	3.57	2162271	184803.418993			5
3.63	3.65	3.67	820276.1	58109.292719			6
Height Summation:			**4376702.36**				
Amount Avg CF:			**55733.573592**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229388** RI ACF DF500 96A01 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.053.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	72.85	
3.71	3.73	3.75	262801.6	66846.354466			1
3.76	3.78	3.80	113022.1	33218.376325			2
3.83	3.85	3.87	653622.4	127064.409568			3
3.98	4.00	4.02	369162.8	231301.723336			4
4.04	4.06	4.08	352911	70045.480379			5
4.22	4.24	4.26	304120	63013.934058			6
Height Summation:			**2055639.9**				
Amount Avg CF:			**98581.713022**	Linear:			
Aroclor-1254					6	26.67	
4.55	4.56	4.59	870159.2	142004.253904			1
4.61	4.62	4.65	3286024	273858.339884			2
4.73	4.75	4.77	1156972	300099.052988			3
4.82	4.83	4.86	2373294	289562.849126			4
5.02	5.03	5.06	1173948	196618.482405			5
5.13	5.15	5.17	2582502	308386.298518			6
Height Summation:			**11442899.2**				
Amount Avg CF:			**251754.879471**	Linear:			
Aroclor-1260					6	68.20	
4.73	4.75	4.77	1156972	122722.219814			1
4.93	4.95	4.97	1656118	151954.614473			2
5.13	5.15	5.17	2582502	195420.758453			3
5.36	5.38	5.40	267705.8	38097.571563			4
5.60	5.62	5.64	641780.8	36596.320366			5
5.80	5.82	5.84	541931.7	48961.185698			6
Height Summation:			**6847010.3**				
Amount Avg CF:			**98958.778395**	Linear:			
Aroclor-1262					6	52.36	
5.20	5.22	5.24	190297.7	17294.403868			1
5.36	5.38	5.40	267705.8	27912.927744			2
5.60	5.62	5.64	641780.8	29568.918237			3
5.80	5.82	5.84	541931.7	37895.930816			4
5.86	5.87	5.90	40593.76	6001.89921			5
6.23	6.24	6.27	119834.8	14645.691196			6
Height Summation:			**1802144.56**				
Amount Avg CF:			**22219.961845**	Linear:			
Aroclor-1268					6	115.39	
5.80	5.82	5.84	541931.7	21998.605736			1
5.86	5.87	5.90	40593.76	1828.710842			2
5.99	6.01	6.03	2641.153	127.906075			3
+ 6.06	6.06	6.10	21108.51	3671.195953			4
6.06	6.09	6.10	191607.3	33324.376963			4
6.23	6.24	6.27	119834.8	13372.905731			5
6.43	6.45	6.47	29918.47	436.071081			6
Height Summation:			**926527.183**				
Amount Avg CF:			**11848.096071**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.053.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	74.43	
3.40	3.40	3.44	520496.7	89672.763559			1
+ 3.40	3.42	3.44	123578	21290.395838			1
+ 3.40	3.43	3.44	280712.1	48361.939224			1
3.47	3.49	3.51	230511.8	33013.906968			2
3.51	3.53	3.55	1469480	128377.243654			3
3.64	3.65	3.68	820276.1	58517.481938			4
+ 3.73	3.73	3.77	191564.3	19711.15457			5
3.73	3.74	3.77	647378.1	66612.462731			5
3.86	3.87	3.90	4232787	247667.373706			6
Height Summation:			**7920929.7**				
Amount Avg CF:			**103976.872093**	Linear:			
Aroclor-1254					6	17.69	
4.22	4.23	4.26	7631027	293274.148786			1
4.31	4.32	4.35	3404130	269870.928372			2
4.38	4.39	4.42	4686376	304450.841253			3
4.44	4.46	4.48	3575604	363771.13314			4
4.59	4.61	4.63	2310226	206521.981189			5
4.67	4.69	4.71	4993980	294124.586719			6
Height Summation:			**26601343**				
Amount Avg CF:			**288668.936576**	Linear:			
Aroclor-1260					6	62.57	
4.31	4.32	4.35	3404130	154289.341561			1
4.44	4.46	4.48	3575604	151079.923199			2
4.55	4.56	4.59	2382537	121250.978147			3
4.89	4.91	4.93	510472.7	33457.445976			4
5.09	5.10	5.13	1333812	38602.686137			5
5.34	5.36	5.38	1257294	49275.684014			6
Height Summation:			**12463849.7**				
Amount Avg CF:			**91326.009839**	Linear:			
Aroclor-1262					6	60.97	
+ 4.70	4.72	4.74	130610.9	5523.580832			1
4.70	4.74	4.74	195500	8267.76366			1
4.89	4.91	4.93	510472.7	22827.364577			2
5.08	5.10	5.12	1333812	28596.117342			3
5.30	5.32	5.34	173254.1	9361.280139			4
5.34	5.36	5.38	1257294	39679.296059			5
5.72	5.74	5.76	280360.6	13128.345399			6
Height Summation:			**3750693.4**				
Amount Avg CF:			**20310.027863**	Linear:			
Aroclor-1268					6	129.54	
5.30	5.32	5.34	173254.1	3143.169479			1
5.35	5.36	5.39	1257294	22468.564041			2
5.50	5.51	5.54	128653.3	2522.549647			3
5.57	5.58	5.61	1743.434	125.251814			4
5.72	5.74	5.76	280360.6	12515.362931			5
5.92	5.94	5.96	82871.45	407.069969			6
Height Summation:			**1924176.884**				
Amount Avg CF:			**6863.661314**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229388** RI ACF DF500 96A01 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.053.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 07:06:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.053.RAW
Calibration file : 25PCBS1728401B.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			25272.5461	4905.8472		** 70.00	4	40	
Aroclor-1221			25272.5461	7581.7638		17.84	3	5	
Aroclor-1232			25272.5461	6095.1435	E	** 80.81	4	10	
Aroclor-1242			25272.5461	6095.1435		** 77.28	4	30	
Aroclor-1248			25272.5461	4905.8472		5.33	4	40	
Aroclor-1254			25272.5461	6541.1296		13.66	4	40	
Aroclor-1260			25272.5461	5797.8194		8.02	4	40	
Aroclor-1262			25272.5461	4905.8472		8.98	4	40	
Aroclor-1268			25272.5461	4905.8472		** 53.28	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:06:18 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: 25PCBS17284001.053.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		22070	27133
2.087		5719	9665
2.134		615	506
2.17		1005	566
2.204		14054	10860
2.251		866	1038
2.296		988	1058
2.33		13220	9030
2.369		1046	1411
2.49		13395	13486
2.532		2205	1996
2.571		2266	1946
2.635		510	240
2.652		8930	6071
2.688		381	217
2.713		454	436
2.736		1546	1013
2.777		6560	5408
2.853		732	680
2.896		10648	9809
2.928	TCX	18999	16193
3.021		576	343
3.037		807	395
3.079		30335	26805
3.132		7546	6042
3.16		458	122
3.179		30833	23274
3.23		1960	1180
3.259		2426	2207
3.273		12620	7710
3.316		2581	2124
3.395		54067	30623
3.412		90330	61892
3.449		6822	3503
3.464		30096	19323
3.51		219947	166758
3.545		1439	550
3.561		7099	3672
3.584		86299	64051
3.618		12441	6287
3.633		13927	7568
3.688		389810	542293
3.729		262802	266123
3.78		113022	84828
3.821		119978	89125
3.849		653622	480095
3.876		819444	572022
3.899		887526	582636
3.973		342237	245088
3.996		369163	263959
4.027		583948	443251
4.061		352911	347014
4.103		81876	84502
4.135		24766	15650

RT A	Compound A	Height A	Area A
4.148		14231	7611
4.185		119733	86081
4.221		1192055	832881
4.238		304120	135519
4.263		1327151	1183022
4.332		547896	458963
4.374		2145122	2356914
4.408		1219728	1028469
4.449		162427	118309
4.471		175684	127038
4.512		729220	686441
4.562		870159	760096
4.593		206237	128900
4.623		3286025	2898559
4.672		217454	162785
4.687		35260	12822
4.706		191853	136694
4.748		1156972	1184200
4.794		316082	293771
4.834		2373295	2275985
4.866		23982	14229
4.895		313989	346430
4.946		1656118	2298633
4.997		65276	50740
5.032		1173948	1264076
5.079		166669	133641
5.104		39678	24642
5.116		103537	72004
5.15		2582502	2644928
5.19		70663	46836
5.218		190298	158935
5.26		172400	195352
5.33		9264	6179
5.355		583223	478891
5.379		267706	209899
5.409		4406	1990
5.436		172226	156607
5.473		181734	186495
5.511		18915	20820
5.553		460280	437913
5.59		97231	85722
5.615		641781	610438
5.651		24683	19578
5.716		4403	7842
5.775		5126	5727
5.819		541932	518106
5.849		70097	52914
5.875		40594	35702
5.917		2054	1879
5.953		5794	5991
5.984		58143	50827
6.012		2641	1642
6.04		6899	5098
6.061		21109	14944
6.09		191607	179042
6.154		30701	30743
6.194		1959	1672
6.217		30805	23918
6.244		119835	115300
6.29		9102	9170
6.333		1228	1151
6.377		580	696
6.416		559	708
6.448		29918	31584
6.509		6820	10381
6.563		9421	9419

RT A	Compound A	Height A	Area A
6.596	DCB	9651	9120
6.631		23964	23104
6.657		660	368
6.686		648	255
6.71		268	441
6.762		9178	15809
6.837		764	542
6.878		5346	8241
6.961		877	328
6.99		472	541

LANCASTER LABORATORIES

Sample Number: 9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:06:18 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: 25PCBS17284001B.053.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.115		2399	2288
2.156		7556	8309
2.208		5035	15945
2.236		3139	3359
2.302		5140	4702
2.364		18868	14378
2.411		4628	5653
2.467		6062	15709
2.515		5744	2695
2.548		11495	9170
2.594		1356	783
2.615	TCX	24371	13935
2.656		15719	14852
2.703		3049	4977
2.787		68410	50877
2.847		17203	22321
2.899		62525	50053
2.95		1740	1939
3.009		36841	26496
3.074		980	207
3.105		67647	30806
3.116		133034	64959
3.156		26508	14460
3.177		70260	41749
3.203		7068	3583
3.225		406692	254787
3.244		12524	4527
3.263		162323	100366
3.311		34421	19817
3.325		35072	17484
3.351		4991	2609
3.384		667581	471924
3.404		520497	265374
3.418		123578	49017
3.434		280712	144085
3.492		230512	169505
3.527		1469480	874980
3.549		2336201	1224168
3.568		2162271	1170983
3.629		2286	2187
3.653		820276	478757
3.676		826440	442274
3.696		1305065	832763
3.726		191564	93797
3.742		647378	400028
3.781		243525	214202
3.824		220973	220138
3.852		406495	244799
3.874		4232787	2657219
3.9		2430864	1428656
3.919		995824	515049
3.938		1174217	687884
3.973		4856049	3246716
4.004		2926732	1799104

RT B	Compound B	Height B	Area B
4.022		877744	436746
4.043		374144	222120
4.083		484313	350553
4.117		1521303	1101150
4.137		30040	18468
4.173		2234283	1608213
4.207		668650	529612
4.233		7631027	5534858
4.271		574047	491608
4.324		3404131	2902863
4.361		750671	567462
4.393		4686377	3231684
4.417		923832	589469
4.46		3575604	3097480
4.526		5963	3519
4.559		2382537	2320890
4.611		2310226	1781615
4.652		893643	750814
4.689		4993980	4402483
4.721		130611	52585
4.735		195500	107784
4.76		312051	234111
4.819		55046	69663
4.858		42269	22871
4.875		243368	172639
4.909		510473	361945
4.933		1349096	987939
4.983		469431	388482
5.018		245124	198151
5.048		144402	112445
5.08		1088168	739990
5.102		1333812	966999
5.143		32034	19457
5.175		63143	53427
5.215		2882	2083
5.239		9063	9674
5.316		173254	187935
5.359		1257295	1224985
5.426		1648	1277
5.461		5325	4495
5.481		2172	1144
5.514		128653	108269
5.544		15209	9050
5.561		51434	36197
5.585		1743	776
5.606		302258	234314
5.632		133168	103279
5.675		18901	17763
5.713		86157	63911
5.739		280361	231424
5.771		18309	16327
5.825		3555	3263
5.882		1652	3751
5.938		82871	72414
5.997		945	2715
6.023		2832	2380
6.051		2462	1372
6.075		24840	16906
6.097	DCB	28088	20993
6.133		65374	54682
6.161		8644	9453
6.227		11073	12644
6.254		1440	1292
6.298		1867	950
6.321		1418	872
6.333		2431	1430

RT B	Compound B	Height B	Area B
6.395		1327	1110
6.414		1520	980
6.442		697	1036
6.467		2322	2453
6.517		2790	2754
6.543		2551	1413
6.583		1134	1987
6.605		1592	1107
6.634		2497	3267
6.675		1188	345
6.734		3387	7563
6.769		2447	2382
6.792		1626	1325
6.848		1376	1185
6.869		1685	1257
6.902		677	89
6.924		1296	620
6.94		1122	497
6.984		1376	787

9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082

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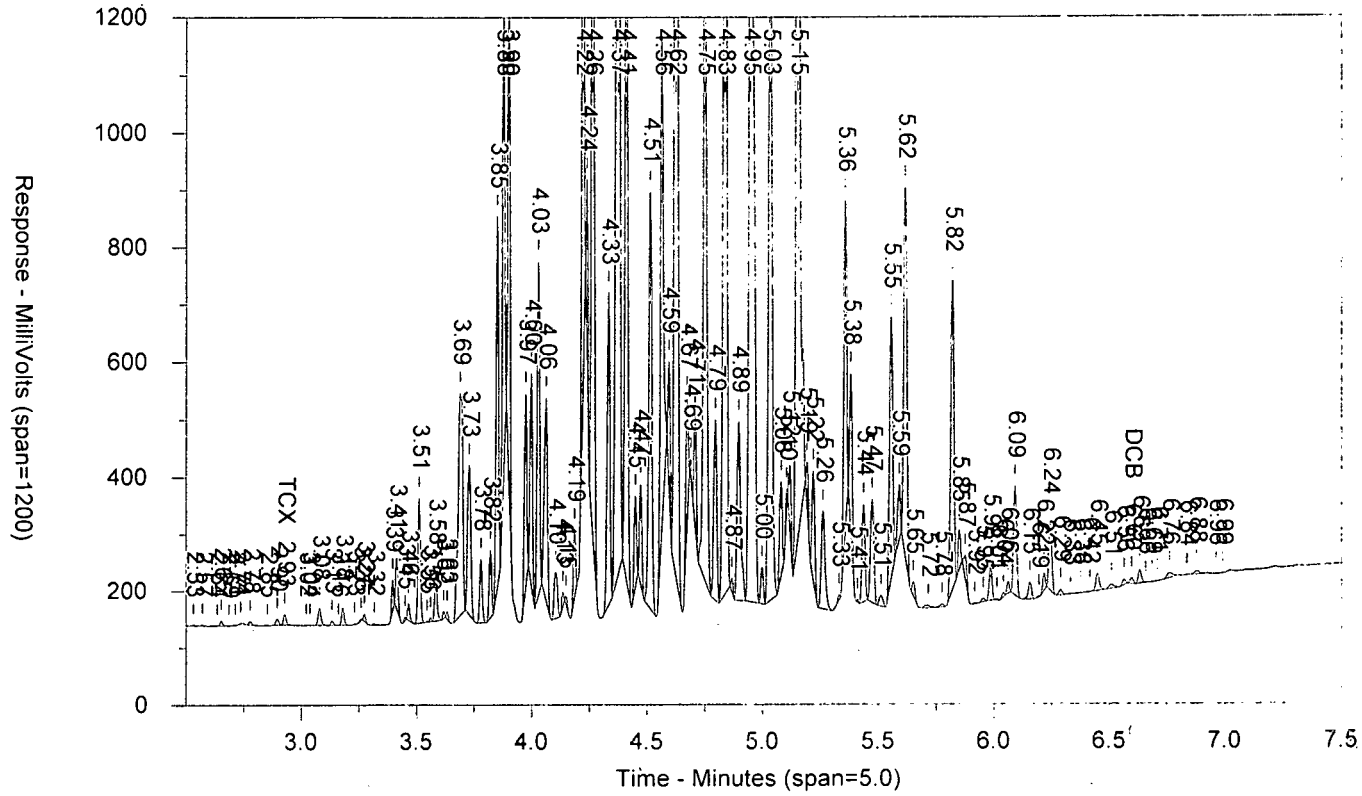

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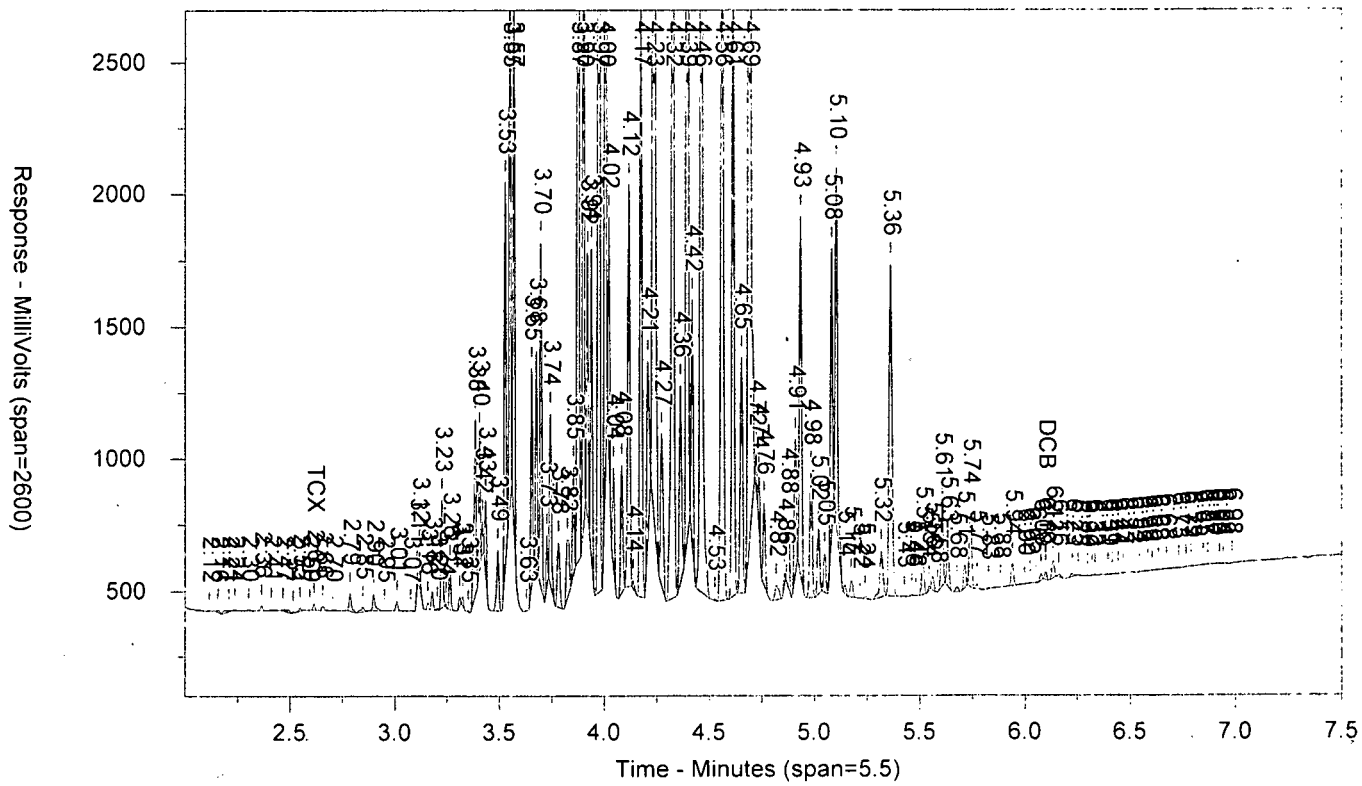

LANCASTER LABORATORIES

Sample Number: 9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:06:18 AM Sample Weight: 10.09
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	18999	62.404	TCX	2.615	24371	44.329	TCX
6.596	9651	49.615	DCB	6.097	28088	45.976	DCB

Files:
Area File: 25PCBS17284001.053.RAW
Area File: 25PCBS17284001B.053.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:27 PM
File Reported On: 10/12/2017 at 4:32:13 PM

9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082

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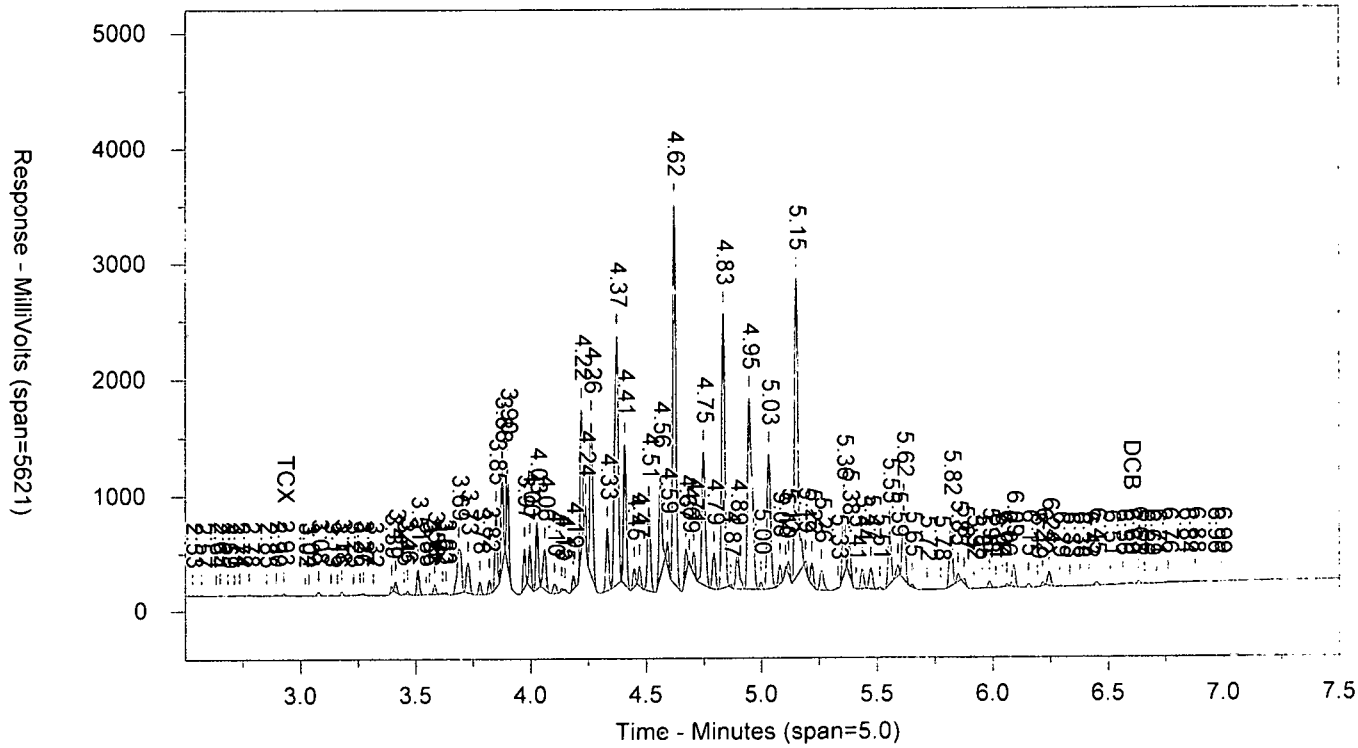

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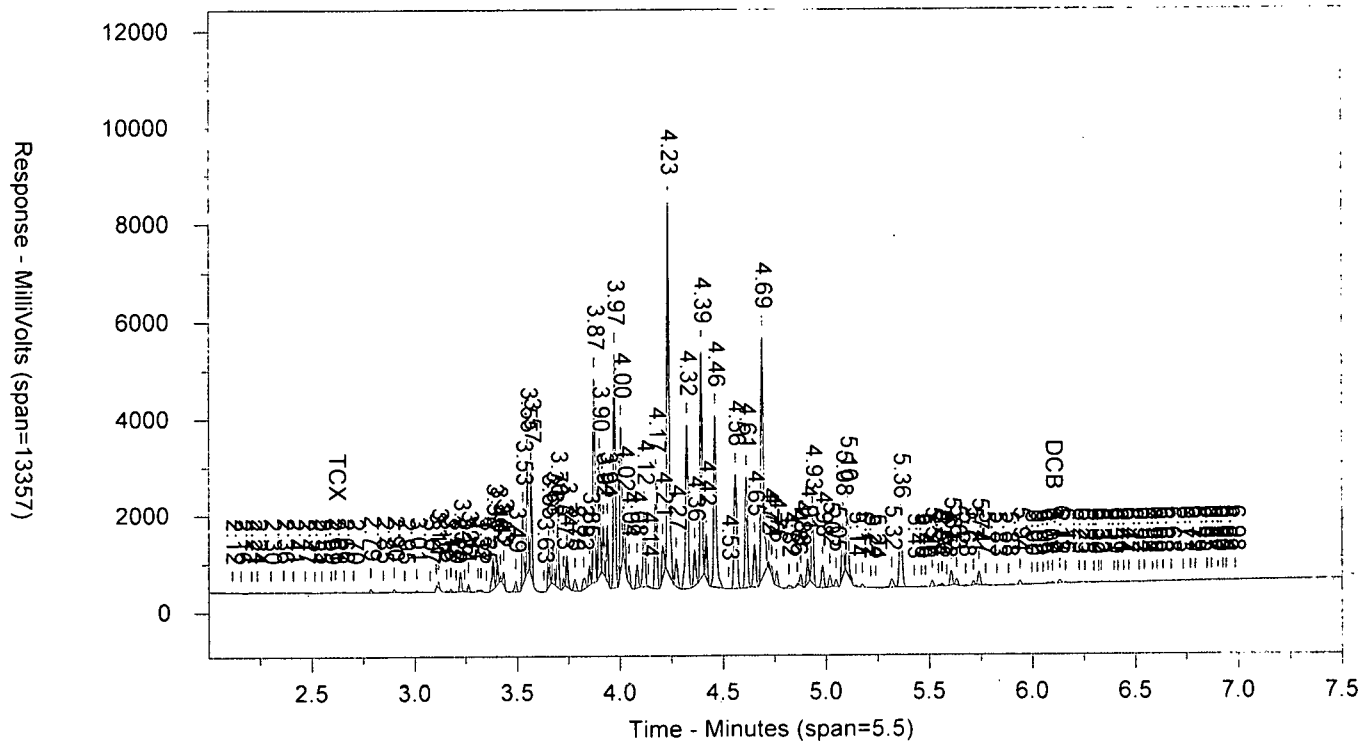

9229388 RI ACF DF500AD96A01 T 172780031A 10225 SW-846 8082

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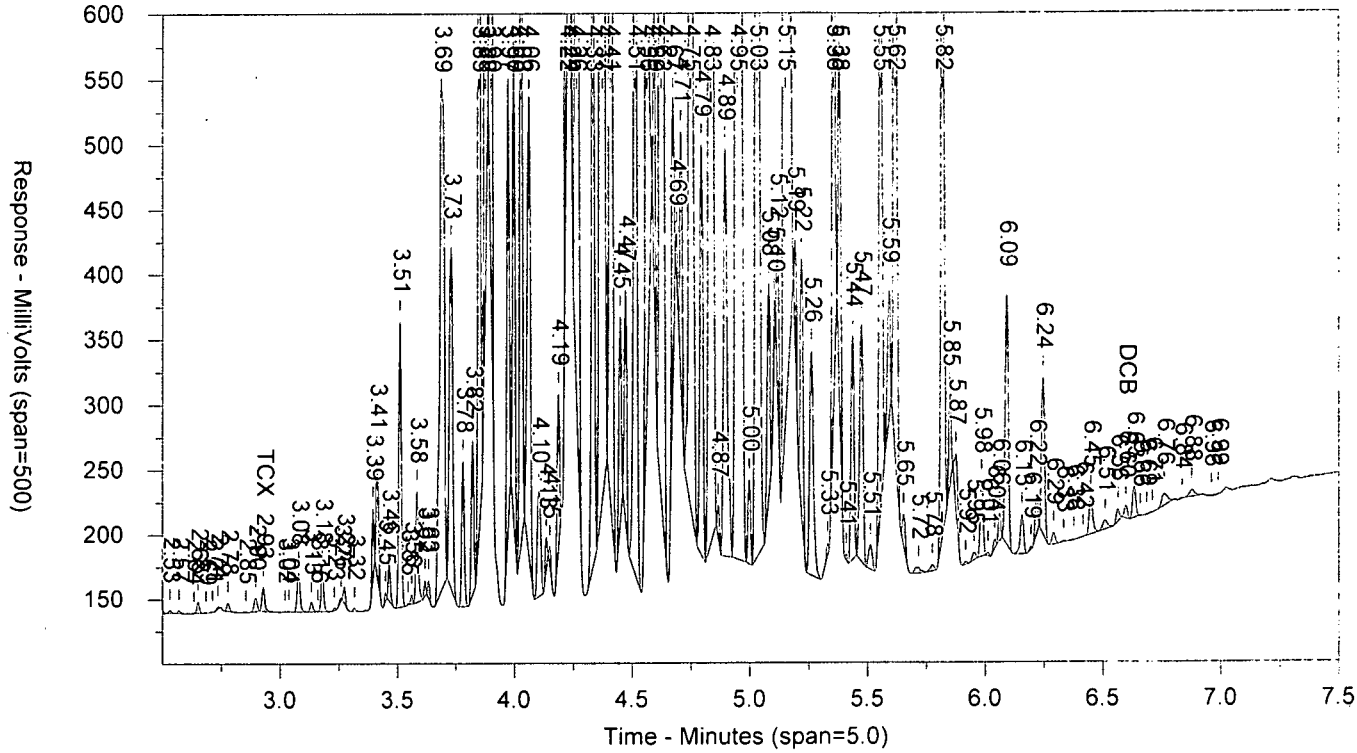

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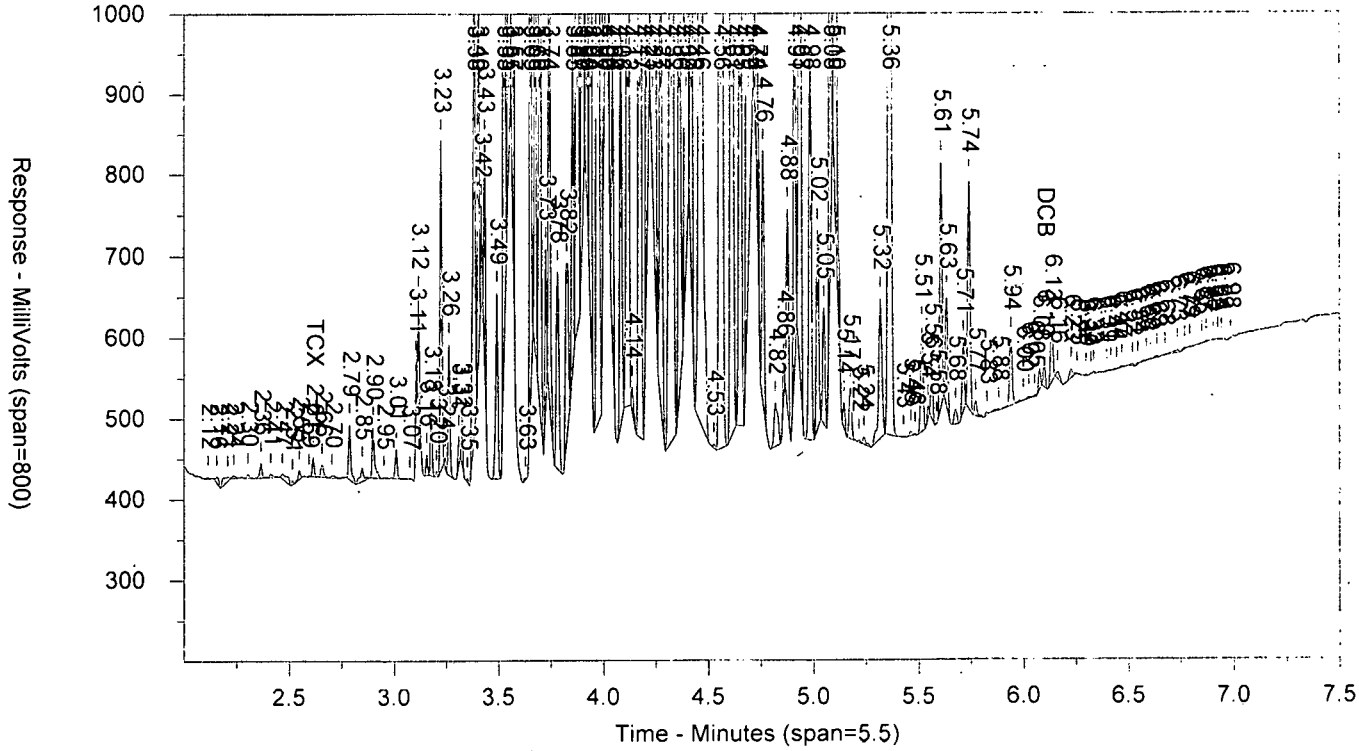

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229389 RI ACF DF200 96A02 Sample ID: AE **Batchnumber: 172780031A**

Sample Amount: 10.12 g Total Volume: 20000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 07:17:32
Instrument	18274A
Result file	25PCBS17284001.054.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 373% (61 - 152) Conc: 112.671

%SSR(DCB) * 175% (48 - 164) Conc: 47.03027

Analysis Report (B)

Injected on	Oct 12, 2017 07:17:32
Instrument	18274B
Result file	25PCBS17284001B.054.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 152% (61 - 152) Conc: 45.85964

%SSR(DCB) * 187% (48 - 164) Conc: 50.12005

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	8601	112.671
Decachlorobiphenyl	6.57	6.60	6.63	2294	47.03027

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	6322	45.85964
Decachlorobiphenyl	6.07	6.10	6.13	7678	50.12005

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	45.85964			P	84.29	
☑	Tetrachloro-m-xylene-D1	A	112.671					
☑	Tetrachloro-m-xylene-D2	B	45.85964					
☐	Decachlorobiphenyl	B	50.12005				6.36	
☑	Decachlorobiphenyl-D1	A	47.03027					
☑	Decachlorobiphenyl-D2	B	50.12005					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.03**	
4.55	4.56	4.59	655000.5	426299.589753			1
4.61	4.62	4.65	1930779	641739.027432			2
4.73	4.75	4.77	615315.6	636517.498227			3
4.82	4.83	4.86	1319372	641991.396644			4
5.02	5.03	5.06	755918.6	504918.352079			5
5.13	5.15	5.17	1339579	637959.90321			6

Height summation: **6615964.7**

Concentration CF: **581570.961224** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**11.81**	
4.22	4.23	4.26	4144474	635229.790811			1
4.31	4.32	4.35	1976103	624784.416346			2
4.38	4.39	4.42	2735560	708756.309364			3
4.44	4.46	4.48	1894690	768754.421186			4
4.59	4.61	4.63	1520952	542248.012352			5
4.67	4.69	4.71	2904930	682324.31509			6

Height summation: **15176709**

Concentration CF: **660349.544192** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<100790.5098	<19565.2166	D1		4	
☑	PCB-1221			<100790.5098	<30237.1529	D1		3	
☑	PCB-1232			<100790.5098	<24308.2994	D1		4	
☑	PCB-1242			<100790.5098	<24308.2994	D1		4	
☑	PCB-1248			<100790.5098	<19565.2166	D1		4	
☑	PCB-1254	B	660349.544192	100790.5098	26086.9555	D2	12.69	4	
☑	PCB-1260			<100790.5098	<23122.5287	D1		4	

Units: ug/kg

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

Valerie L. Tomaylon
Analytical Operations

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:51

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229389** RI ACF DF200 96A02 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:17:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.054.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *373% (61-152) Conc.: 112.671
%SSR(DCB) : *175% (48-164) Conc.: 47.03027

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	99.98	
3.16	3.18	3.20	22403.25	16775.188391			1
+ 3.38	3.40	3.42	39206.12	31738.551278			2
3.38	3.41	3.42	48686.32	39413.062651			2
3.49	3.51	3.53	123173.6	77838.027363			3
3.71	3.73	3.75	155888.3	86301.091454			4
3.76	3.78	3.80	75387.2	48271.921239			5
3.96	3.97	4.00	273762.4	260469.393829			6
Height Summation:			**699301.07**				
Amount Avg CF:			**88178.114154**	Linear:			
Aroclor-1221					3	60.94	
3.06	3.08	3.10	18853.2	33074.440263			1
3.11	3.13	3.15	5538.835	11037.262507			2
3.16	3.18	3.20	22403.25	14365.472264			3
Height Summation:			**46795.285**				
Amount Avg CF:			**19492.391678**	Linear:			
Aroclor-1232					6	108.24	
3.16	3.18	3.20	22403.25	16405.490865			1
+ 3.38	3.40	3.42	39206.12	77030.100353			2
3.38	3.41	3.42	48686.32	95656.293339			2
3.49	3.51	3.53	123173.6	179209.16994			3
3.70	3.73	3.74	155888.3	186558.807972			4
3.76	3.78	3.80	75387.2	122225.011204			5
E 3.95	3.97	3.99	273762.4	651979.416931			6
Height Summation:			**699301.07**				
Amount Avg CF:			**208672.365042**	Linear:			
Aroclor-1242					6	102.52	
3.16	3.18	3.20	22403.25	12146.447404			1
+ 3.37	3.40	3.41	39206.12	25101.180863			2
3.37	3.41	3.41	48686.32	31170.748951			2
3.49	3.51	3.53	123173.6	58795.447333			3
3.70	3.73	3.74	155888.3	59904.691438			4
3.76	3.78	3.80	75387.2	37756.73379			5
3.95	3.97	3.99	273762.4	202472.338946			6
Height Summation:			**699301.07**				
Amount Avg CF:			**67041.067977**	Linear:			
Aroclor-1248					6	65.65	
3.71	3.73	3.75	155888.3	158137.143112			1
3.76	3.78	3.80	75387.2	88365.611406			2
3.83	3.85	3.87	462086.2	358253.662711			3
3.98	4.00	4.02	159808	399328.308546			4
4.04	4.06	4.08	210964.5	166991.72408			5
4.22	4.22	4.26	732202.9	605053.394843			6
+ 4.22	4.24	4.26	167112.3	138092.685013			6
Height Summation:			**1796337.1**				
Amount Avg CF:			**296021.640783**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:17:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.054.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 152% (61-152) Conc.: 45.85964
%SSR(DCB) : *187% (48-164) Conc.: 50.12005

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	105.83	
2.88	2.90	2.92	45640.44	18858.485893			1
3.21	3.23	3.25	216450.3	73861.098215			2
+ 3.21	3.24	3.25	6408.383	2186.784708			2
3.40	3.40	3.44	225662.3	78450.93182			3
+ 3.40	3.42	3.44	89421.89	31087.295466			3
+ 3.40	3.43	3.44	111649.9	38814.807315			3
3.47	3.49	3.51	160922.4	50877.002742			4
3.53	3.55	3.57	1127906	428638.435866			5
+ 3.53	3.57	3.57	864735.6	328625.714396			5
3.64	3.65	3.68	645291.6	242839.91068			6
Height Summation:			**2421873.04**				
Amount Avg CF:			**148920.977536**	Linear:			
Aroclor-1221					3	51.89	
2.77	2.79	2.81	42889.61	36861.159858			1
2.83	2.85	2.87	11407.4	16222.780206			2
2.88	2.90	2.92	45640.44	16066.955996			3
Height Summation:			**99937.45**				
Amount Avg CF:			**23050.298687**	Linear:			
Aroclor-1232					6	119.57	
2.88	2.90	2.92	45640.44	17697.829763			1
3.21	3.23	3.25	216450.3	166901.95901			2
+ 3.21	3.24	3.25	6408.383	4941.419239			2
3.40	3.40	3.44	225662.3	176317.309729			3
+ 3.40	3.42	3.44	89421.89	69868.237077			3
+ 3.40	3.43	3.44	111649.9	87235.70574			3
3.47	3.49	3.51	160922.4	122042.290111			4
E 3.53	3.55	3.57	1127906	1255926.675597			5
E+ 3.53	3.57	3.57	864735.6	962885.654813			5
E 3.63	3.65	3.67	645291.6	627383.175563			6
Height Summation:			**2421873.04**				
Amount Avg CF:			**394378.206629**	Linear:			
Aroclor-1242					6	116.17	
2.88	2.90	2.92	45640.44	14402.493816			1
3.21	3.23	3.25	216450.3	56736.913412			2
+ 3.21	3.24	3.25	6408.383	1679.793797			2
3.40	3.40	3.44	225662.3	53672.088747			3
+ 3.40	3.42	3.44	89421.89	21268.327124			3
+ 3.40	3.43	3.44	111649.9	26555.092904			3
3.47	3.49	3.51	160922.4	38713.141631			4
3.53	3.55	3.57	1127906	384453.15567			5
+ 3.53	3.57	3.57	864735.6	294750.032574			5
3.63	3.65	3.67	645291.6	182310.712499			6
Height Summation:			**2421873.04**				
Amount Avg CF:			**121714.750963**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229389** RI ACF DF200 96A02 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:17:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.054.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**16.03**	
4.55	4.56	4.59	655000.5	426299.589753			1
4.61	4.62	4.65	1930779	641739.027432			2
4.73	4.75	4.77	615315.6	636517.498227			3
4.82	4.83	4.86	1319372	641991.396644			4
5.02	5.03	5.06	755918.6	504918.352079			5
5.13	5.15	5.17	1339579	637959.90321			6
+ 5.13	5.17	5.17	57231.55	27255.902114			6
Height Summation:			**6615964.7**				
Amount Avg CF:			**581570.961224**	Linear:			
Aroclor-1260					**6**	**71.00**	
4.73	4.75	4.77	615315.6	260296.85717			1
4.93	4.95	4.97	853757.9	312412.207774			2
5.13	5.15	5.17	1339579	404267.66282			3
+ 5.13	5.17	5.17	57231.55	17271.743554			3
5.36	5.38	5.40	134267.5	76204.577694			4
5.60	5.62	5.64	291335.5	66254.404269			5
5.80	5.82	5.84	256060	92261.339844			6
Height Summation:			**3490315.5**				
Amount Avg CF:			**201949.508262**	Linear:			
Aroclor-1262					**6**	**62.42**	
5.20	5.22	5.24	80596.34	29211.780099			1
5.36	5.38	5.40	134267.5	55832.767908			2
5.60	5.62	5.64	291335.5	53531.913675			3
5.80	5.82	5.84	256060	71410.226324			4
5.86	5.87	5.90	9556.401	5635.006592			5
6.23	6.24	6.27	44649.43	21762.735386			6
Height Summation:			**816465.171**				
Amount Avg CF:			**39564.071664**	Linear:			
Aroclor-1268					**5**	**107.49**	
5.80	5.82	5.84	256060	41453.670106			1
5.86	5.87	5.90	9556.401	1716.922809			2
+ 6.06	6.06	6.10	10494.28	7279.026156			4
6.06	6.09	6.10	95261.86	66075.383032			4
6.23	6.24	6.27	44649.43	19871.442383			5
6.43	6.45	6.47	11490.54	667.926985			6
Height Summation:			**417018.231**				
Amount Avg CF:			**25957.069063**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:17:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.054.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**76.29**	
3.40	3.40	3.44	225662.3	155050.163701			1
+ 3.40	3.42	3.44	89421.89	61440.828543			1
+ 3.40	3.43	3.44	111649.9	76713.457552			1
3.47	3.49	3.51	160922.4	91915.955708			2
3.51	3.53	3.55	1053462	367040.414674			3
3.64	3.65	3.68	645291.6	183591.355643			4
+ 3.73	3.73	3.77	147178.9	60396.765977			5
3.73	3.74	3.77	390197.2	160122.469819			5
3.86	3.87	3.90	2703978	630980.856152			6
Height Summation:			**5179513.5**				
Amount Avg CF:			**264783.53595**	Linear:			
Aroclor-1254					**6**	**11.81**	
4.22	4.23	4.26	4144474	635229.790811			1
4.31	4.32	4.35	1976103	624784.416346			2
4.38	4.39	4.42	2735560	708756.309364			3
4.44	4.46	4.48	1894690	768754.421186			4
4.59	4.61	4.63	1520952	542248.012352			5
4.67	4.69	4.71	2904930	682324.31509			6
Height Summation:			**15176709**				
Amount Avg CF:			**660349.544192**	Linear:			
Aroclor-1260					**6**	**72.00**	
4.31	4.32	4.35	1976103	357198.816474			1
4.44	4.46	4.48	1894690	319275.908205			2
4.55	4.56	4.59	1301201	264095.274529			3
4.89	4.91	4.93	231979.7	60637.444739			4
5.09	5.10	5.13	509301.5	58785.268442			5
5.34	5.36	5.38	556263.3	86945.452388			6
Height Summation:			**6469538.5**				
Amount Avg CF:			**191156.360796**	Linear:			
Aroclor-1262					**6**	**57.93**	
4.70	4.74	4.74	154644.5	26082.331812			1
4.89	4.91	4.93	231979.7	41371.749029			2
5.08	5.10	5.12	509301.5	43546.98086			3
5.30	5.32	5.34	63957.55	13782.061548			4
5.34	5.36	5.38	556263.3	70012.916418			5
5.72	5.74	5.76	100986.4	18859.342562			6
Height Summation:			**1617132.95**				
Amount Avg CF:			**35609.230372**	Linear:			
Aroclor-1268					**5**	**115.92**	
5.30	5.32	5.34	63957.55	4627.503351			1
5.35	5.36	5.39	556263.3	39645.100908			2
5.50	5.51	5.54	71765.67	5611.851636			3
5.72	5.74	5.76	100986.4	17978.771097			5
5.92	5.94	5.96	33439.25	655.075414			6
Height Summation:			**826412.17**				
Amount Avg CF:			**13703.660481**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229389** RI ACF DF200 96A02 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.12 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Oct 12, 2017 07:17:32
Instrument	: CP25--18274A
Result file	: 25PCBS17284001.054.RAW
Calibration file	: 25PCBS1728401.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Oct 12, 2017 07:17:32
Instrument	: CP25--18274B
Result file	: 25PCBS17284001B.054.RAW
Calibration file	: 25PCBS1728401B.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			00790.5181	19565.2182		** 51.24	4	40	
Aroclor-1221			00790.5181	30237.1554		16.73	3	5	
Aroclor-1232			00790.5181	24308.3014	E	** 61.59	4	10	
Aroclor-1242			00790.5181	24308.3014		** 57.93	4	30	
Aroclor-1248			00790.5181	19565.2182		11.14	4	40	
Aroclor-1254			00790.5181	26086.9576		12.69	4	40	
Aroclor-1260			00790.5181	23122.5306		5.49	4	40	
Aroclor-1262			00790.5181	19565.2182		10.52	4	40	
Aroclor-1268			00790.5181	19565.2182		** 61.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:17:32 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: 25PCBS17284001.054.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.04		11668	15880
2.073		892	537
2.087		1264	1232
2.204		15506	11989
2.252		741	428
2.33		2000	1488
2.37		1116	1394
2.435		384	122
2.49		4618	4849
2.532		1005	725
2.571		1800	1604
2.652		9554	6763
2.715		446	485
2.747		2498	3372
2.843		493	458
2.895		3218	2976
2.927	TCX	8601	8549
3.033		637	637
3.079		18853	16844
3.134		5539	4376
3.179		22403	16779
3.235		770	345
3.273		11005	10317
3.314		1163	860
3.395		39206	22184
3.413		48686	32998
3.449		3813	1957
3.464		20055	13564
3.511		123174	91262
3.548		425	230
3.561		3928	2038
3.585		55161	40016
3.619		9716	5321
3.634		7392	4036
3.689		199902	276361
3.728		155888	157216
3.781		75387	57154
3.822		51743	38836
3.851		462086	344003
3.877		385790	269360
3.9		342402	223932
3.973		273762	202084
3.998		159808	111746
4.029		265893	198697
4.061		210965	214808
4.103		46267	46962
4.137		7485	4745
4.148		7515	3932
4.186		60223	41725
4.222		732203	514296
4.238		167112	88802
4.264		625728	534303
4.333		292503	253373
4.375		1267553	1398713

RT A	Compound A	Height A	Area A
4.409		618107	521519
4.45		71410	50626
4.471		100597	75151
4.513		452076	430541
4.563		655001	572681
4.593		153396	100357
4.624		1930779	1638784
4.673		148267	149489
4.707		166781	122459
4.749		615316	644913
4.795		161451	152641
4.835		1319372	1277971
4.867		17514	9875
4.895		172643	193979
4.947		853758	1256428
4.998		27706	20664
5.033		755919	840967
5.079		105552	84367
5.104		20087	13909
5.117		57714	38989
5.151		1339579	1207692
5.173		57232	23532
5.192		48705	32314
5.219		80596	64128
5.261		81542	94035
5.331		2895	1953
5.355		361298	310934
5.379		134268	101538
5.411		2547	1238
5.436		79784	72957
5.474		102259	97239
5.511		10359	11624
5.554		266192	254693
5.591		62214	56698
5.616		291336	268095
5.653		11139	9551
5.716		1645	2640
5.777		2920	3392
5.82		256060	245270
5.85		41789	33540
5.874		9556	7949
5.918		1070	903
5.958		1407	1466
5.984		32354	30333
6.041		3605	2564
6.061		10494	7193
6.089		95262	90577
6.156		16295	16738
6.192		1413	1155
6.218		18290	14399
6.245		44649	39953
6.289		3555	3797
6.334		525	458
6.363		472	422
6.423		536	442
6.449		11491	13337
6.51		3062	4369
6.565		5572	7220
6.596	DCB	2294	1610
6.632		12245	12055
6.656		572	297
6.675		593	284
6.711		520	392
6.759		3125	4947
6.88		7194	18321
6.964		641	196

LANCASTER LABORATORIES

Sample Number: 9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:17:32 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: 25PCBS17284001B.054.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.111		1512	1957
2.188		3025	3007
2.229		2495	2688
2.302		3275	2852
2.364		19898	13802
2.468		3450	7487
2.533		2381	4493
2.615	TCX	6322	5338
2.656		10430	10149
2.787		42890	30327
2.847		11407	10183
2.899		45640	34321
3.01		23006	14967
3.079		1031	285
3.105		49857	24298
3.117		67932	32979
3.157		15998	8608
3.178		48628	27533
3.204		5177	2780
3.225		216450	142439
3.244		6408	2162
3.263		111486	67205
3.31		28189	15280
3.325		20478	10224
3.353		2495	970
3.385		354848	266707
3.404		225662	113062
3.419		89422	40000
3.434		111650	52650
3.493		160922	112186
3.527		1053462	632325
3.55		1127906	613059
3.568		864736	473968
3.626		1302	625
3.654		645292	388169
3.677		348990	191978
3.697		589755	377921
3.726		147179	76073
3.743		390197	228293
3.782		145118	123197
3.824		117596	121488
3.853		276648	162753
3.875		2703979	1725840
3.9		1038828	607910
3.919		455635	246211
3.938		631871	372451
3.973		2796214	1886492
4.005		1423462	885939
4.022		561632	282747
4.044		139564	78671
4.083		264422	188907
4.117		970043	704377
4.138		13631	6014
4.174		1717631	1222964

RT B	Compound B	Height B	Area B
4.207		490000	376284
4.234		4144474	3076016
4.272		308295	281483
4.325		1976103	1636234
4.362		367809	288412
4.394		2735560	1865405
4.418		473791	298750
4.46		1894690	1631525
4.53		2473	1351
4.56		1301201	1326166
4.612		1520952	1196568
4.652		485383	412499
4.689		2904930	2811333
4.736		154645	88429
4.76		136552	103337
4.819		32482	38126
4.86		14911	9372
4.876		139990	101491
4.909		231980	154427
4.933		780729	604264
4.983		227209	193083
5.018		118917	99904
5.049		68430	52507
5.081		583694	419449
5.103		509302	383464
5.144		14063	8038
5.176		29248	26783
5.214		2155	1250
5.239		3390	3993
5.318		63958	73238
5.36		556263	554116
5.436		956	491
5.46		3491	3031
5.483		1384	835
5.515		71766	60095
5.546		9103	5928
5.561		24827	17312
5.607		162651	124426
5.632		52020	40072
5.679		9492	9626
5.713		47140	35574
5.74		100986	78670
5.772		6056	5472
5.838		1802	2471
5.871		2394	3319
5.913		1337	2154
5.939		33439	28190
5.986		2037	2501
6.018		3039	2762
6.053		1541	1030
6.074		14338	9925
6.097	DCB	7678	4994
6.132		32953	26664
6.161		9575	10029
6.227		7034	9690
6.273		2307	1924
6.324		1083	566
6.351		933	330
6.387		918	619
6.446		1158	1731
6.467		1026	773
6.519		2552	2408
6.55		1799	1665
6.585		1637	1337
6.599		1202	381
6.615		1403	892

RT B	Compound B	Height B	Area B
6.635		1764	999
6.663		1961	1645
6.678		1243	261
6.696		1860	755
6.72		1495	679
6.748		790	200
6.775		1381	573
6.809		1364	1100
6.832		931	230
6.856		621	485
6.875		1951	2110
6.936		1335	884
6.961		1244	1010

9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082

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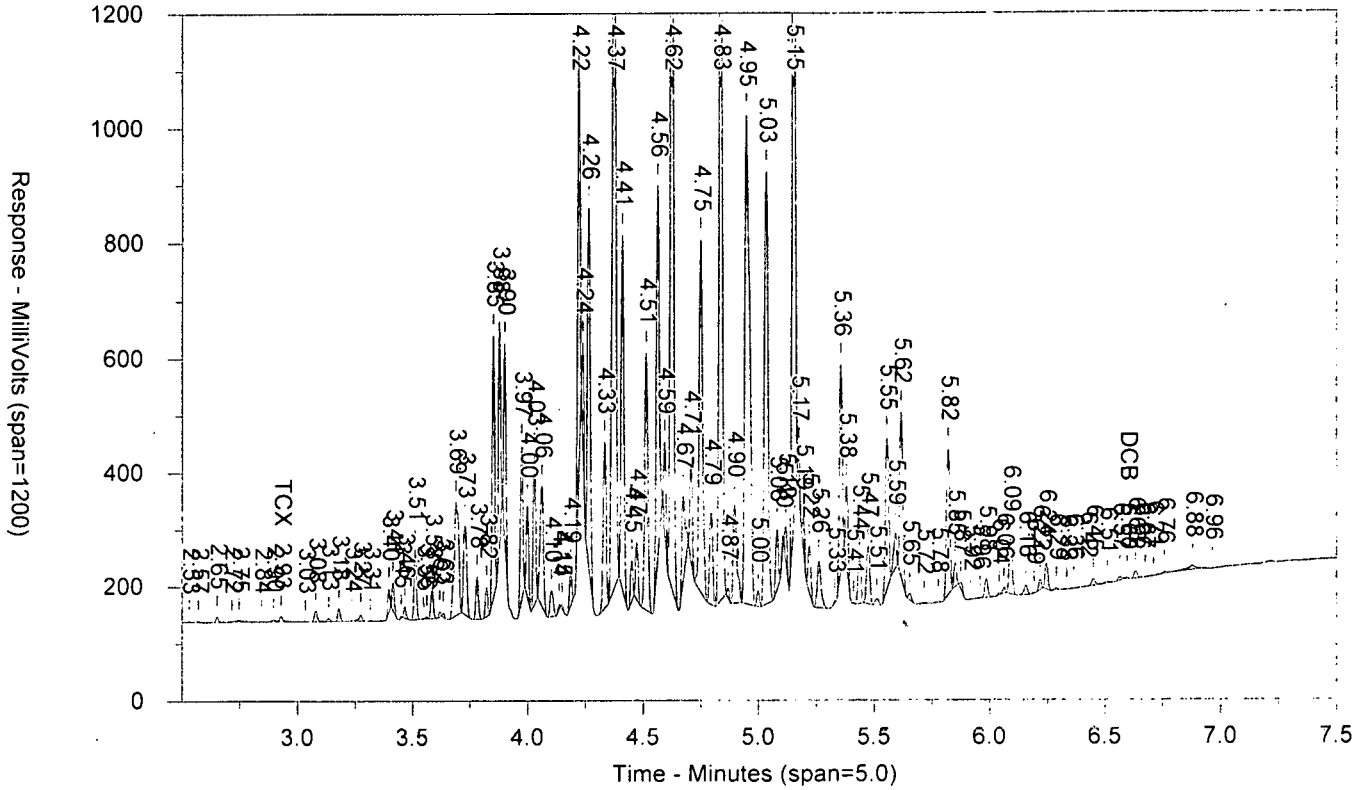

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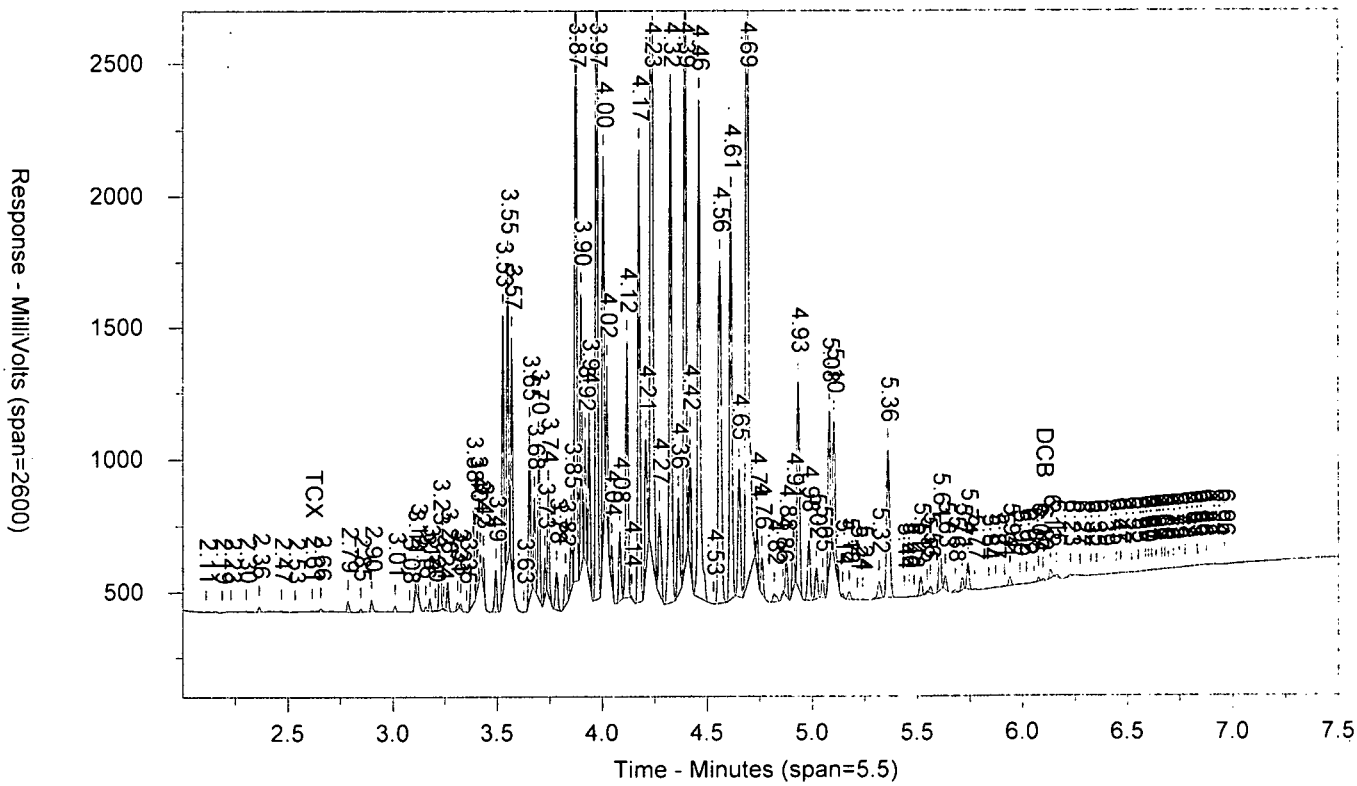

LANCASTER LABORATORIES

Sample Number: 9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:17:32 AM Sample Weight: 10.12
Instrument ID: CP25-18274 Dilution Factor: 20000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.927	8601	112.671	TCX	2.615	6322	45.86	TCX
6.596	2294	47.03	DCB	6.097	7678	50.12	DCB

Files:
Area File: 25PCBS17284001.054.RAW
Area File: 25PCBS17284001B.054.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:27 PM
File Reported On: 10/12/2017 at 4:32:29 PM

9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082

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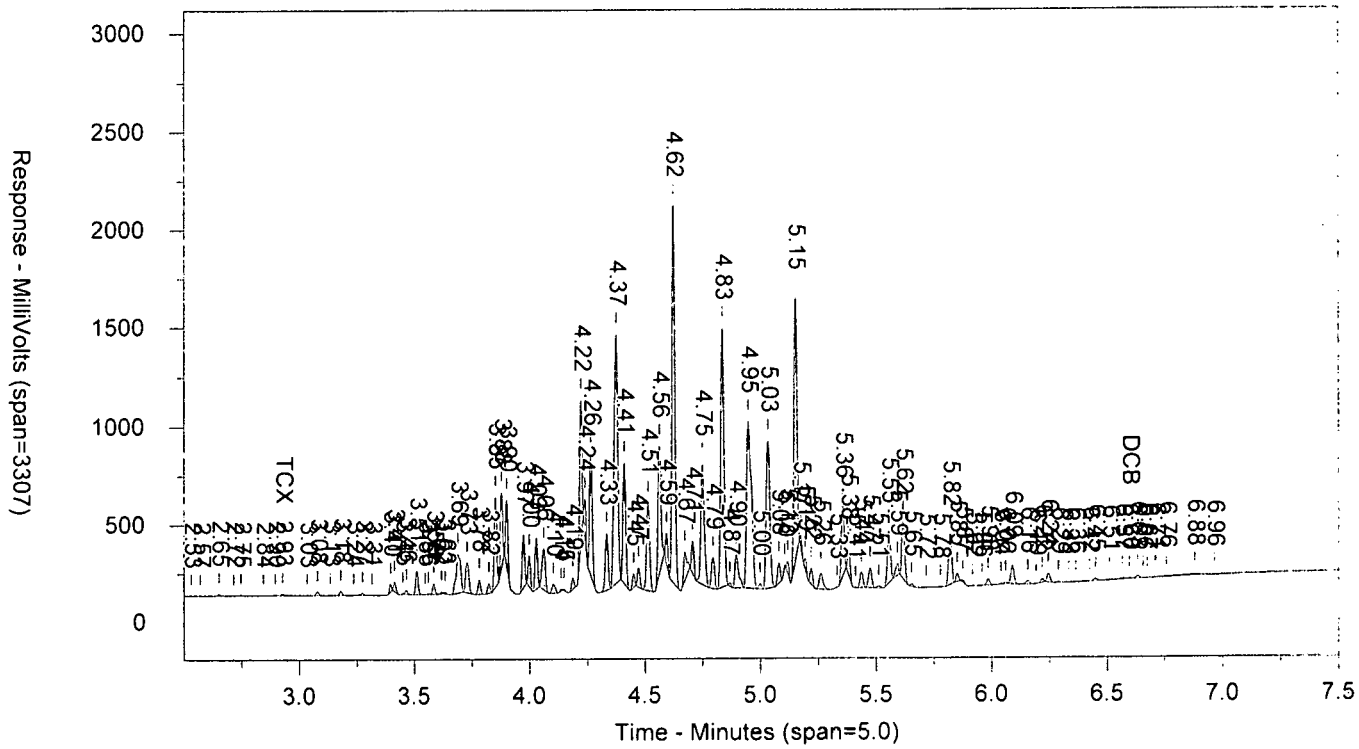

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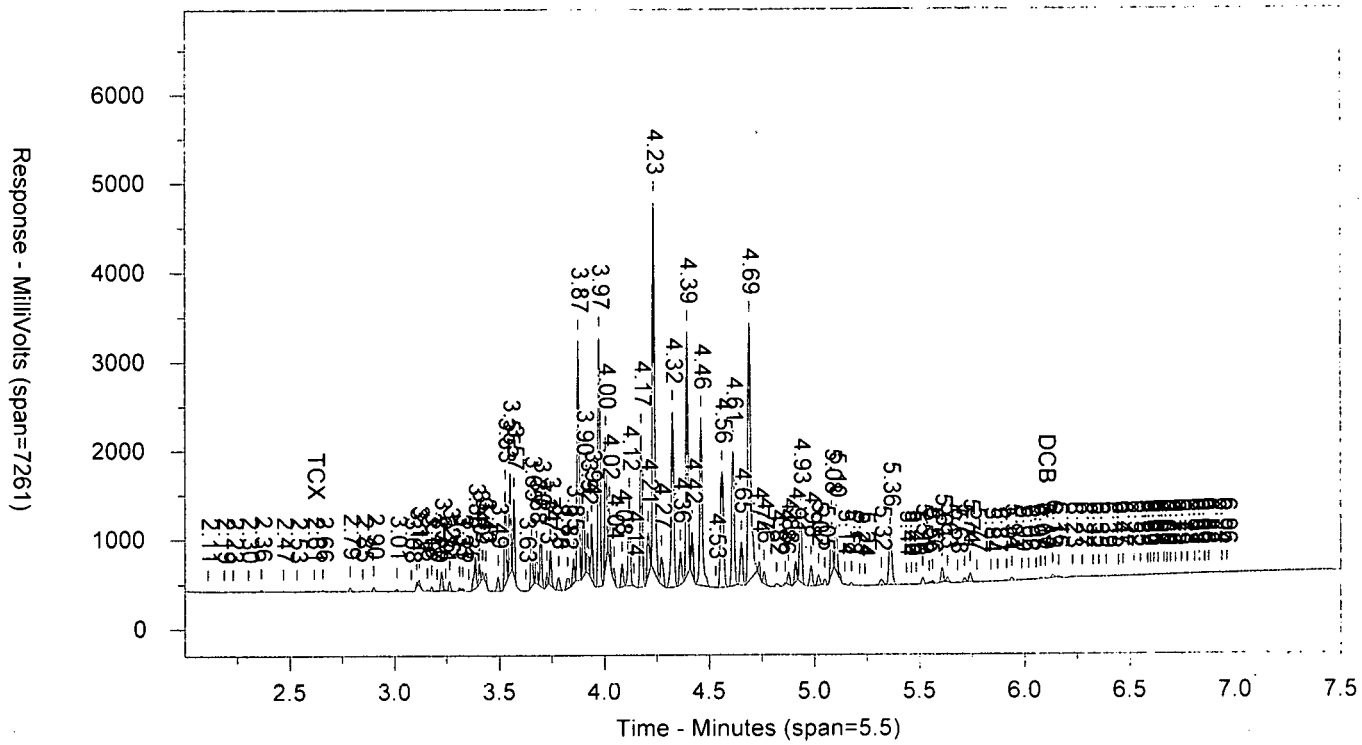

9229389 RI ACF DF200AE96A02 T 172780031A 10225 SW-846 8082

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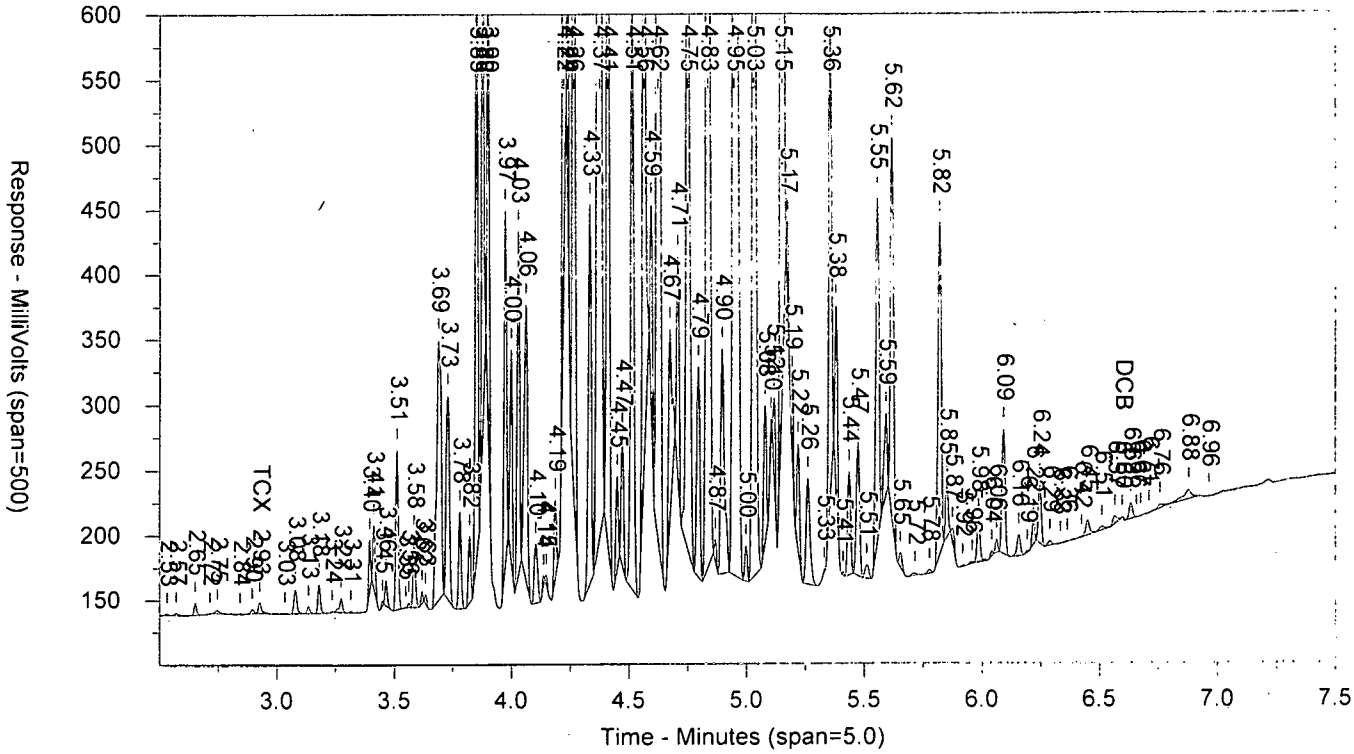

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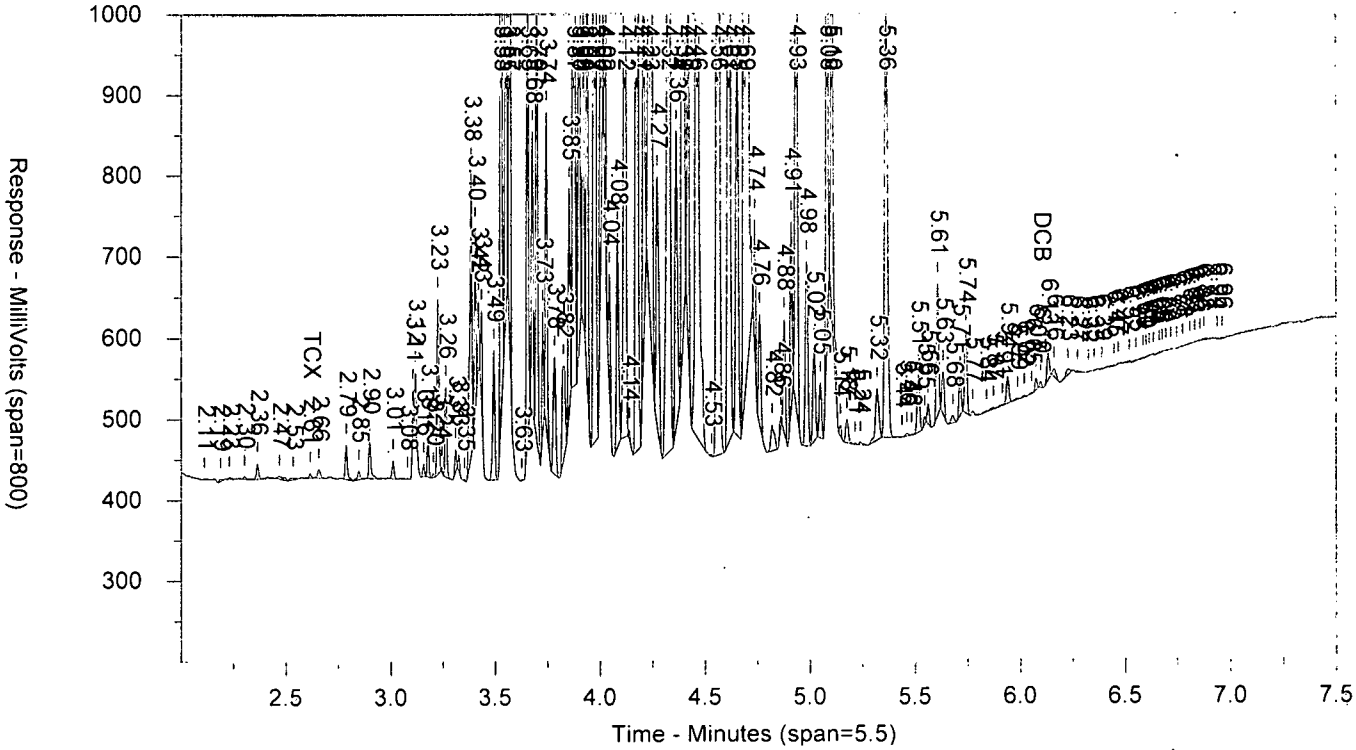


eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229390 RI ACF DF200 96A03 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.36 g Total Volume: 2000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 07:52:04
Instrument	18274A
Result file	25PCBS17284001.057.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 131% (61 - 152) Conc: 38.74222

%SSR(DCB) * 172% (48 - 164) Conc: 45.07413

Analysis Report (B)

Injected on	Oct 12, 2017 07:52:04
Instrument	18274B
Result file	25PCBS17284001B.057.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 128% (61 - 152) Conc: 37.85557

%SSR(DCB) 135% (48 - 164) Conc: 35.3936

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	30277	38.74222
Decachlorobiphenyl	6.57	6.60	6.63	22506	45.07413

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	53423	37.85557
Decachlorobiphenyl	6.07	6.10	6.13	55503	35.3936

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	38.74222				2.32	
☑	Tetrachloro-m-xylene-D1	A	38.74222					
☑	Tetrachloro-m-xylene-D2	B	37.85557					
☐	Decachlorobiphenyl	A	45.07413				24.06	
☑	Decachlorobiphenyl-D1	A	45.07413					
☑	Decachlorobiphenyl-D2	B	35.3936					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**18.92**	
4.55	4.56	4.59	1250097	79476.320644			1
4.61	4.62	4.65	3509496	113943.982353			2
4.73	4.75	4.77	1243251	125629.605395			3
4.82	4.83	4.86	2738102	130146.449447			4
5.02	5.03	5.06	1727895	112741.609233			5
5.13	5.15	5.17	3127340	145485.901536			6

Height summation: **13596181**

Concentration CF: **117903.978101** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**10.57**	
4.22	4.23	4.26	8280652	123978.600161			1
4.31	4.32	4.35	3864616	119356.950919			2
4.38	4.39	4.42	5497194	139127.35035			3
4.44	4.46	4.48	4000936	158573.942901			4
4.59	4.61	4.63	3653824	127247.963833			5
4.67	4.69	4.71	6044466	138686.399178			6

Height summation: **31341688**

Concentration CF: **134495.201224** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<9845.5598	<1911.1969	D1		4	
☑	PCB-1221			<9845.5598	<2953.6679	D1		3	
☑	PCB-1232			<9845.5598	<2374.5174	D1		4	
☑	PCB-1242			<9845.5598	<2374.5174	D1		4	
☑	PCB-1248			<9845.5598	<1911.1969	D1		4	
☑	PCB-1254	B	134495.201224	9845.5598	2548.2625	D2	13.15	4	
☑	PCB-1260			<9845.5598	<2258.6872	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:53

[redacted]

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229390** RI ACF DF200 96A03 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.36 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.057.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 131% (61-152) Conc.: 38.74222
%SSR(DCB) : *172% (48-164) Conc.: 45.07413

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	94.06	
3.16	3.18	3.20	27735.59	2028.684667			1
+ 3.38	3.40	3.42	34399.61	2720.241804			2
3.38	3.41	3.42	41158.16	3254.692347			2
3.49	3.51	3.53	102095.8	6302.354383			3
3.71	3.73	3.75	213268.6	11533.216442			4
3.76	3.78	3.80	93085.94	5822.397031			5
3.96	3.97	4.00	266760.3	24792.758726			6
Height Summation:			**744104.39**				
Amount Avg CF:			**8955.683933**	Linear:			
Aroclor-1221					3	54.97	
3.06	3.08	3.10	21762.53	3729.387994			1
3.11	3.13	3.15	7197.839	1401.089341			2
3.16	3.18	3.20	27735.59	1737.268914			3
Height Summation:			**56695.959**				
Amount Avg CF:			**2289.24875**	Linear:			
Aroclor-1232					6	102.38	
3.16	3.18	3.20	27735.59	1983.975798			1
+ 3.38	3.40	3.42	34399.61	6602.081402			2
3.38	3.41	3.42	41158.16	7899.203586			2
3.49	3.51	3.53	102095.8	14510.127452			3
3.70	3.73	3.74	213268.6	24931.586324			4
3.76	3.78	3.80	93085.94	14742.370391			5
E 3.95	3.97	3.99	266760.3	62058.609423			6
Height Summation:			**744104.39**				
Amount Avg CF:			**21020.978829**	Linear:			
Aroclor-1242					6	96.26	
3.16	3.18	3.20	27735.59	1468.914151			1
+ 3.37	3.40	3.41	34399.61	2151.367304			2
3.37	3.41	3.41	41158.16	2574.050105			2
3.49	3.51	3.53	102095.8	4760.52333			3
3.70	3.73	3.74	213268.6	8005.62033			4
3.76	3.78	3.80	93085.94	4554.090434			5
3.95	3.97	3.99	266760.3	19272.313627			6
Height Summation:			**744104.39**				
Amount Avg CF:			**6772.585329**	Linear:			
Aroclor-1248					6	94.35	
3.71	3.73	3.75	213268.6	21133.33526			1
3.76	3.78	3.80	93085.94	10658.363295			2
3.83	3.85	3.87	460728.6	34892.619119			3
3.98	4.00	4.02	160463.9	39167.845468			4
4.04	4.06	4.08	298808	23104.604868			5
4.22	4.22	4.26	1453239	117305.954817			6
Height Summation:			**2679594.04**				
Amount Avg CF:			**41043.787138**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.057.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 128% (61-152) Conc.: 37.85557
%SSR(DCB) : 135% (48-164) Conc.: 35.3936

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	110.41	
2.88	2.90	2.92	55937.14	2257.761242			1
3.21	3.23	3.25	178208.6	5940.280928			2
+ 3.21	3.24	3.25	10478.44	349.280996			2
+ 3.40	3.40	3.44	178793	6071.700834			3
3.40	3.42	3.44	210563.5	7150.607566			3
3.47	3.49	3.51	188355.1	5817.054842			4
3.53	3.55	3.57	1198986	44509.5367			5
+ 3.53	3.57	3.57	768854.4	28541.912194			5
3.64	3.65	3.68	613252.2	22543.633984			6
Height Summation:			**2445302.54**				
Amount Avg CF:			**14703.145877**	Linear:			
Aroclor-1221					3	47.18	
2.77	2.79	2.81	54975.55	4615.377614			1
2.83	2.85	2.87	17907.35	2487.658109			2
2.88	2.90	2.92	55937.14	1923.555832			3
Height Summation:			**128820.04**				
Amount Avg CF:			**3008.863852**	Linear:			
Aroclor-1232					6	124.94	
2.88	2.90	2.92	55937.14	2118.806055			1
3.21	3.23	3.25	178208.6	13423.094809			2
+ 3.21	3.24	3.25	10478.44	789.260976			2
+ 3.40	3.40	3.44	178793	13646.057882			3
3.40	3.42	3.44	210563.5	16070.884816			3
3.47	3.49	3.51	188355.1	13953.78376			4
E 3.53	3.55	3.57	1198986	130414.610035			5
E+ 3.53	3.57	3.57	768854.4	83628.872022			5
E 3.63	3.65	3.67	613252.2	58242.060121			6
Height Summation:			**2445302.54**				
Amount Avg CF:			**39037.206599**	Linear:			
Aroclor-1242					6	121.29	
2.88	2.90	2.92	55937.14	1724.284362			1
3.21	3.23	3.25	178208.6	4563.067878			2
+ 3.21	3.24	3.25	10478.44	268.302613			2
+ 3.40	3.40	3.44	178793	4153.945128			3
3.40	3.42	3.44	210563.5	4892.07757			3
3.47	3.49	3.51	188355.1	4426.291956			4
E 3.53	3.55	3.57	1198986	39921.365911			5
+ 3.53	3.57	3.57	768854.4	25599.729967			5
3.63	3.65	3.67	613252.2	16924.507847			6
Height Summation:			**2445302.54**				
Amount Avg CF:			**12075.265921**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229390** RI ACF DF200 96A03 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.36 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.057.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**18.92**	
4.55	4.56	4.59	1250097	79476.320644			1
4.61	4.62	4.65	3509496	113943.982353			2
4.73	4.75	4.77	1243251	125629.605395			3
4.82	4.83	4.86	2738102	130146.449447			4
5.02	5.03	5.06	1727895	112741.609233			5
5.13	5.15	5.17	3127340	145485.901536			6
Height Summation:			**13596181**				
Amount Avg CF:			**117903.978101**	Linear:			
Aroclor-1260					**6**	**74.80**	
4.73	4.75	4.77	1243251	51374.85072			1
4.93	4.95	4.97	1764690	63078.657605			2
5.13	5.15	5.17	3127340	92192.699088			3
5.36	5.38	5.40	271828.5	15070.439011			4
5.60	5.62	5.64	625006.6	13884.386867			5
5.80	5.82	5.84	558809.2	19668.09606			6
Height Summation:			**7590925.3**				
Amount Avg CF:			**42544.854892**	Linear:			
Aroclor-1262					**6**	**63.62**	
5.20	5.22	5.24	167062.4	5914.828756			1
5.36	5.38	5.40	271828.5	11041.650633			2
5.60	5.62	5.64	625006.6	11218.239865			3
5.80	5.82	5.84	558809.2	15223.095539			4
5.86	5.88	5.90	18860.88	1086.382528			5
6.23	6.25	6.27	96363.38	4588.073264			6
Height Summation:			**1737930.96**				
Amount Avg CF:			**8178.711764**	Linear:			
Aroclor-1268					**6**	**121.76**	
5.80	5.82	5.84	558809.2	8837.01415			1
5.86	5.88	5.90	18860.88	331.008476			2
5.99	6.01	6.03	2081.097	39.262806			3
+ 6.06	6.06	6.10	23735.64	1608.208436			4
6.06	6.09	6.10	187045.4	12673.262242			4
6.23	6.25	6.27	96363.38	4189.346234			5
6.43	6.45	6.47	28710.58	163.023898			6
Height Summation:			**891870.537**				
Amount Avg CF:			**4372.152968**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.057.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**93.77**	
+ 3.40	3.40	3.44	178793	12000.089565			1
3.40	3.42	3.44	210563.5	14132.437282			1
3.47	3.49	3.51	188355.1	10509.269933			2
3.51	3.53	3.55	1080663	36779.519542			3
3.64	3.65	3.68	613252.2	17043.394196			4
+ 3.73	3.73	3.77	285648.8	11450.416727			5
3.73	3.74	3.77	515832	20677.459037			5
3.86	3.88	3.90	3853553	87840.565452			6
Height Summation:			**6462218.8**				
Amount Avg CF:			**31163.77424**	Linear:			
Aroclor-1254					**6**	**10.57**	
4.22	4.23	4.26	8280652	123978.600161			1
4.31	4.32	4.35	3864616	119356.950919			2
4.38	4.39	4.42	5497194	139127.35035			3
4.44	4.46	4.48	4000936	158573.942901			4
4.59	4.61	4.63	3653824	127247.963833			5
4.67	4.69	4.71	6044466	138686.399178			6
Height Summation:			**31341688**				
Amount Avg CF:			**134495.201224**	Linear:			
Aroclor-1260					**6**	**69.06**	
4.31	4.32	4.35	3864616	68238.196234			1
4.44	4.46	4.48	4000936	65858.274427			2
4.55	4.56	4.59	2776620	55049.508614			3
4.89	4.91	4.93	459105.1	11722.595613			4
5.09	5.10	5.13	1175146	13249.70272			5
5.34	5.36	5.38	1282801	19586.034291			6
Height Summation:			**13559224.1**				
Amount Avg CF:			**38950.71865**	Linear:			
Aroclor-1262					**6**	**60.98**	
+ 4.70	4.72	4.74	65775.27	1083.665715			1
4.70	4.74	4.74	338094.9	5570.20673			1
4.89	4.91	4.93	459105.1	7998.098959			2
5.08	5.10	5.12	1175146	9815.121476			3
5.30	5.32	5.34	140617.7	2959.941401			4
5.34	5.36	5.38	1282801	15771.674585			5
5.72	5.74	5.76	221902.6	4048.058746			6
Height Summation:			**3617667.3**				
Amount Avg CF:			**7693.850316**	Linear:			
Aroclor-1268					**5**	**118.96**	
5.30	5.32	5.34	140617.7	993.838165			1
5.35	5.36	5.39	1282801	8930.775383			2
5.50	5.52	5.54	151191.5	1154.881887			3
5.72	5.74	5.76	221902.6	3859.04871			5
5.92	5.94	5.96	74662.51	142.875616			6
Height Summation:			**1871175.31**				
Amount Avg CF:			**3016.283952**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229390** RI ACF DF200 96A03 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.36 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.057.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 07:52:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.057.RAW
Calibration file : 25PCBS1728401B.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			9845.5598	1911.1969		** 48.59	4	40	
Aroclor-1221			9845.5598	2953.6679		27.16	3	5	
Aroclor-1232			9845.5598	2374.5174	E	** 60.00	4	10	
Aroclor-1242			9845.5598	2374.5174		** 56.27	4	30	
Aroclor-1248			9845.5598	1911.1969		27.37	4	40	
Aroclor-1254			9845.5598	2548.2625		13.15	4	40	
Aroclor-1260			9845.5598	2258.6872		8.82	4	40	
Aroclor-1262			9845.5598	1911.1969		6.11	4	40	
Aroclor-1268			9845.5598	1911.1969		36.70	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:52:04 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: 25PCBS17284001.057.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.01		497	258
2.045		26731	39651
2.085		6339	8374
2.134		863	570
2.17		5608	3894
2.204		38176	29472
2.295		979	1011
2.329		7381	5128
2.369		894	779
2.386		669	838
2.49		15706	15697
2.533		1337	1257
2.57		2275	1938
2.652		22442	16166
2.712		510	374
2.736		7579	8367
2.777		2952	2225
2.853		875	890
2.895		13425	12609
2.929	TCX	30277	23354
3.017		661	381
3.037		1497	937
3.079		21763	19516
3.134		7198	6045
3.179		27736	21736
3.236		3051	2075
3.26		4807	3339
3.272		3608	1898
3.315		1284	729
3.365		339	192
3.396		34400	20618
3.413		41158	31261
3.449		2945	1461
3.464		35038	23286
3.51		102096	78414
3.544		495	351
3.562		7214	4068
3.585		97515	74923
3.618		5709	2576
3.634		7445	3995
3.689		157408	215138
3.726		213269	190394
3.78		93086	70027
3.822		43484	31309
3.851		460729	351972
3.878		313875	237021
3.9		260520	156760
3.973		266760	192214
3.997		160464	109557
4.029		299331	215696
4.06		298808	318867
4.103		62527	60673
4.148		35133	45472
4.187		76468	52191

RT A	Compound A	Height A	Area A
4.222		1453239	1521968
4.264		839462	733454
4.333		466874	398250
4.375		2229738	2435089
4.409		1049820	881947
4.45		95742	69653
4.472		164405	125604
4.513		838865	786528
4.563		1250097	1075146
4.593		287233	197924
4.625		3509497	3159042
4.674		203236	141866
4.689		32128	12926
4.707		328425	239174
4.749		1243251	1261784
4.795		313191	279928
4.835		2738102	2609042
4.867		35054	20587
4.895		312167	376704
4.947		1764690	2546328
4.998		54405	40837
5.033		1727895	1859376
5.08		220297	171364
5.105		55673	38605
5.116		82578	55827
5.152		3127340	3220824
5.192		102379	67192
5.219		167062	131032
5.261		171973	201149
5.332		7538	5329
5.356		781454	665492
5.38		271829	203540
5.412		7731	3712
5.437		158977	150142
5.474		195904	191381
5.51		21663	24744
5.555		628664	559257
5.591		132470	115575
5.615		625007	568200
5.653		28368	25348
5.704		6597	10094
5.776		6451	7141
5.819		558809	522977
5.85		82940	71097
5.877		18861	12882
5.918		2340	2137
5.956		6727	7527
5.986		66394	60680
6.011		2081	1103
6.041		8406	5936
6.061		23736	16086
6.09		187045	185062
6.157		32763	34905
6.197		1574	1562
6.219		37877	28835
6.246		96363	90465
6.289		6097	6830
6.337		1067	808
6.388		811	1150
6.448		28711	34803
6.51		7780	11499
6.563		10090	9592
6.597	DCB	22506	21003
6.633		26271	25440
6.714		613	1153
6.765		12623	21751

RT A	Compound A	Height A	Area A
6.841		810	1409
6.88		5843	9110
6.926		1597	1840
6.987		764	796

LANCASTER LABORATORIES

Sample Number: 9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:52:04 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: 25PCBS17284001B.057.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

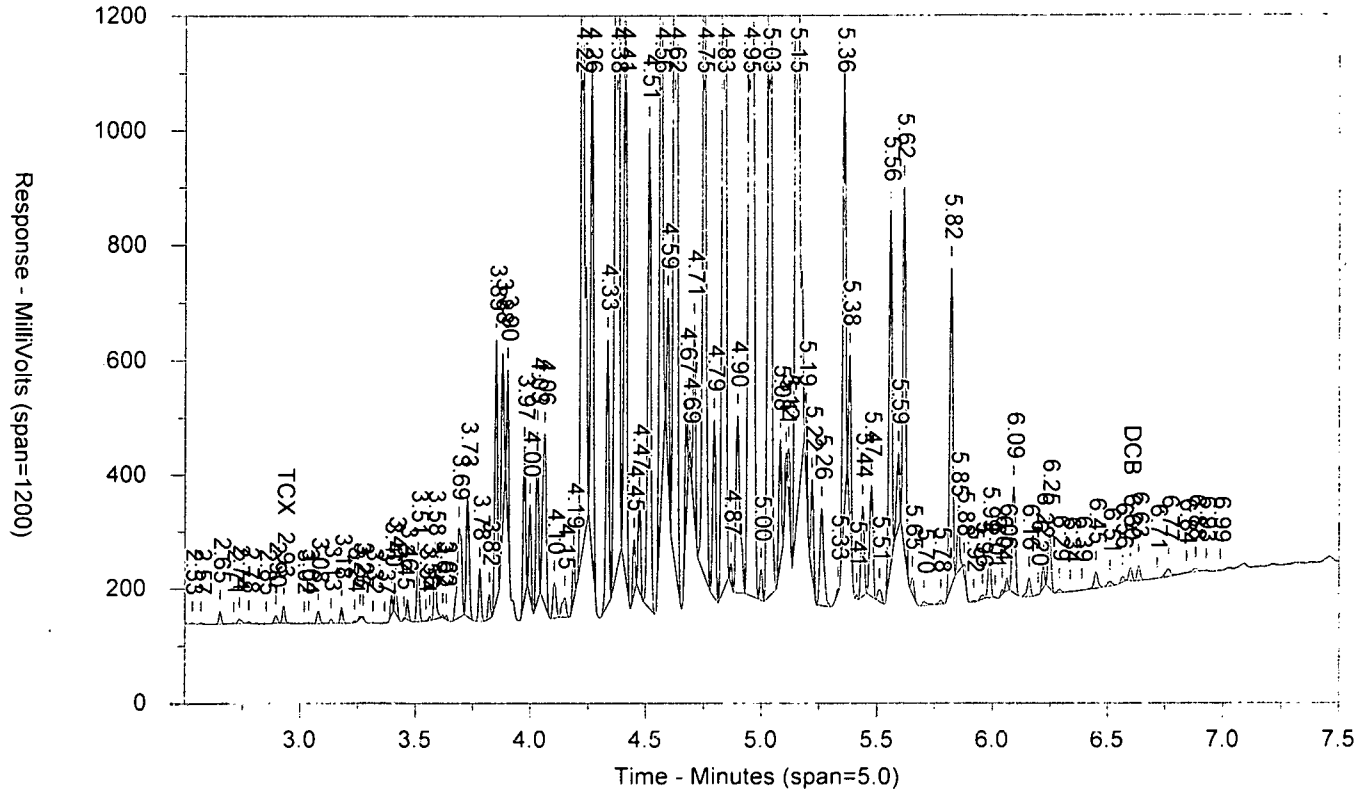
RT B	Compound B	Height B	Area B
2.114		2077	1976
2.156		8378	9512
2.206		6873	18029
2.233		2762	4962
2.302		4716	4591
2.364		47405	30501
2.409		3516	3752
2.465		10999	26247
2.517		6625	3373
2.548		5976	5849
2.614	TCX	53423	33779
2.656		11891	11959
2.699		3492	5894
2.786		54976	49428
2.847		17907	25875
2.899		55937	33869
2.921		7549	3629
3.009		19894	15009
3.068		889	509
3.087		3093	1118
3.106		42768	20020
3.117		51651	36459
3.156		15559	8203
3.177		79910	47969
3.203		4778	2473
3.226		178209	117268
3.244		10478	3841
3.263		193222	117832
3.31		19693	10288
3.325		25506	13658
3.384		289740	205003
3.404		178793	84610
3.419		210564	216338
3.493		188355	130062
3.527		1080663	636150
3.55		1198986	649643
3.568		768854	402203
3.654		613252	379733
3.677		349765	188439
3.697		662566	424851
3.726		285649	144770
3.743		515832	290644
3.782		194251	168026
3.824		181394	178378
3.853		407304	248831
3.875		3853553	2435052
3.9		1426410	833188
3.919		712458	372409
3.939		1005094	597759
3.974		5020469	3369593
4.005		2438803	1549812
4.022		884550	429417
4.044		181073	99395
4.083		442100	304266

RT B	Compound B	Height B	Area B
4.117		1800133	1283070
4.138		20733	11895
4.174		3227285	2308093
4.208		994973	716226
4.234		8280653	6064212
4.272		579548	543164
4.325		3864616	3271191
4.362		687006	535318
4.394		5497195	3717847
4.419		905667	597392
4.461		4000936	3388661
4.527		4799	2458
4.559		2776620	2816232
4.612		3653824	2706900
4.652		1024465	864154
4.69		6044466	5429057
4.722		65775	23598
4.737		338095	184200
4.76		296997	214688
4.819		71863	90423
4.86		28419	16261
4.876		295529	210917
4.91		459105	323759
4.933		1910421	1371873
4.961		2180	793
4.984		451131	379356
5.019		249365	205450
5.049		136987	105410
5.081		1447378	1003888
5.103		1175146	905771
5.145		27807	17031
5.176		62817	52884
5.215		4136	1976
5.239		18741	17071
5.319		140618	158282
5.36		1282801	1261504
5.42		894	766
5.441		1979	1210
5.462		4550	3424
5.483		1424	712
5.516		151192	124697
5.544		22272	13969
5.562		52541	36739
5.607		349042	262708
5.632		111439	85321
5.678		24135	25401
5.714		97008	70810
5.74		221903	174460
5.773		11834	8643
5.802		6290	4353
5.822		20568	15027
5.867		1767	1241
5.939		74663	68450
5.997		3102	3773
6.075		23886	16410
6.097	DCB	55503	39652
6.133		74458	59589
6.158		8347	12447
6.226		8998	9464
6.247		5322	4139
6.301		2366	1459
6.334		32203	43394
6.366		1002	418
6.423		4434	8642
6.463		2530	2146
6.486		5022	5575

RT B	Compound B	Height B	Area B
6.522		1570	618
6.57		29647	40500
6.605		836	359
6.63		4286	4135
6.653		1674	1341
6.694		2095	1844
6.718		3114	5003
6.769		1545	1131
6.797		20924	24502
6.847		2129	1076
6.876		3587	4529
6.937		1883	2976

9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.057.RAW



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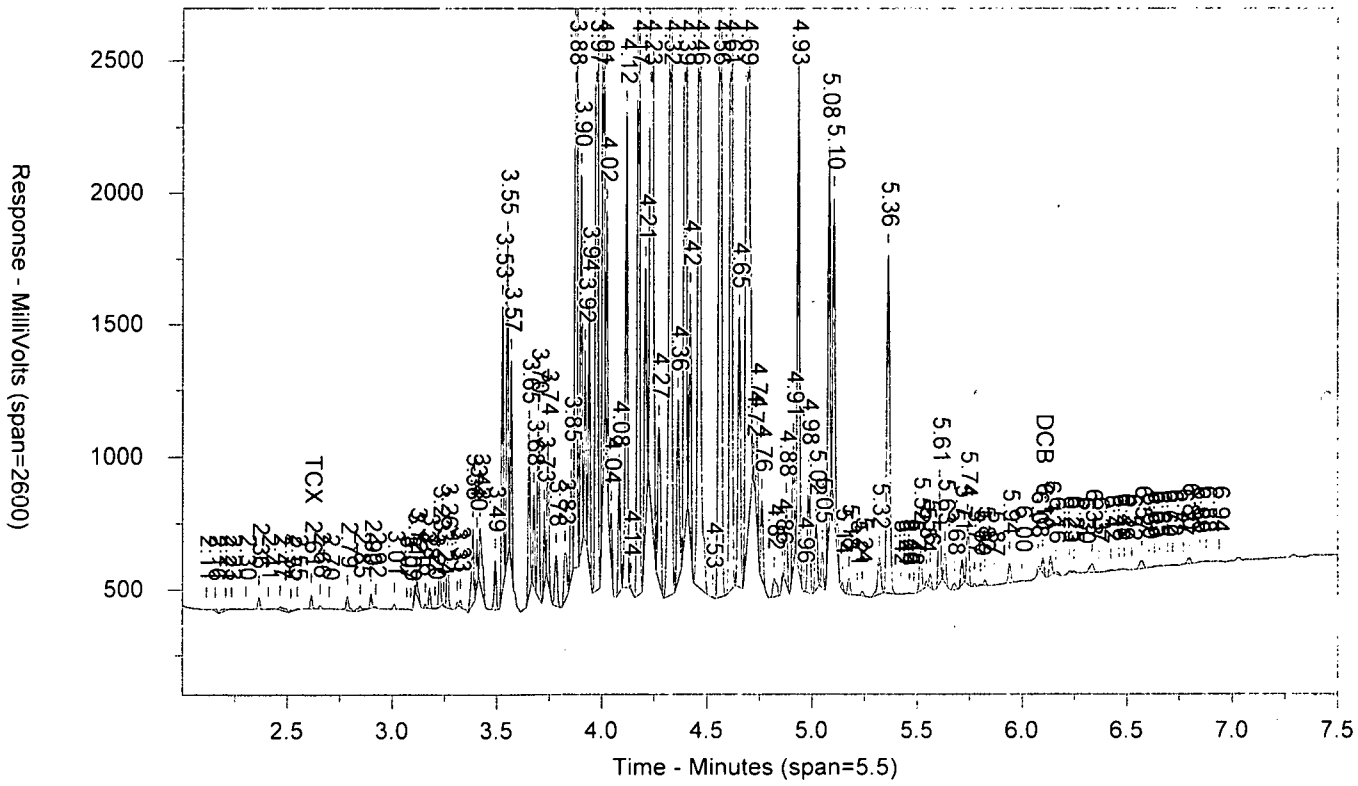

LANCASTER LABORATORIES

Sample Number: 9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 7:52:04 AM Sample Weight: 10.36
Instrument ID: CP25-18274 Dilution Factor: 2000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	30277	38.742	TCX	2.614	53423	37.856	TCX
6.597	22506	45.074	DCB	6.097	55503	35.394	DCB

Files:
Area File: 25PCBS17284001.057.RAW
Area File: 25PCBS17284001B.057.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:28 PM
File Reported On: 10/12/2017 at 4:33:11 PM

9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082

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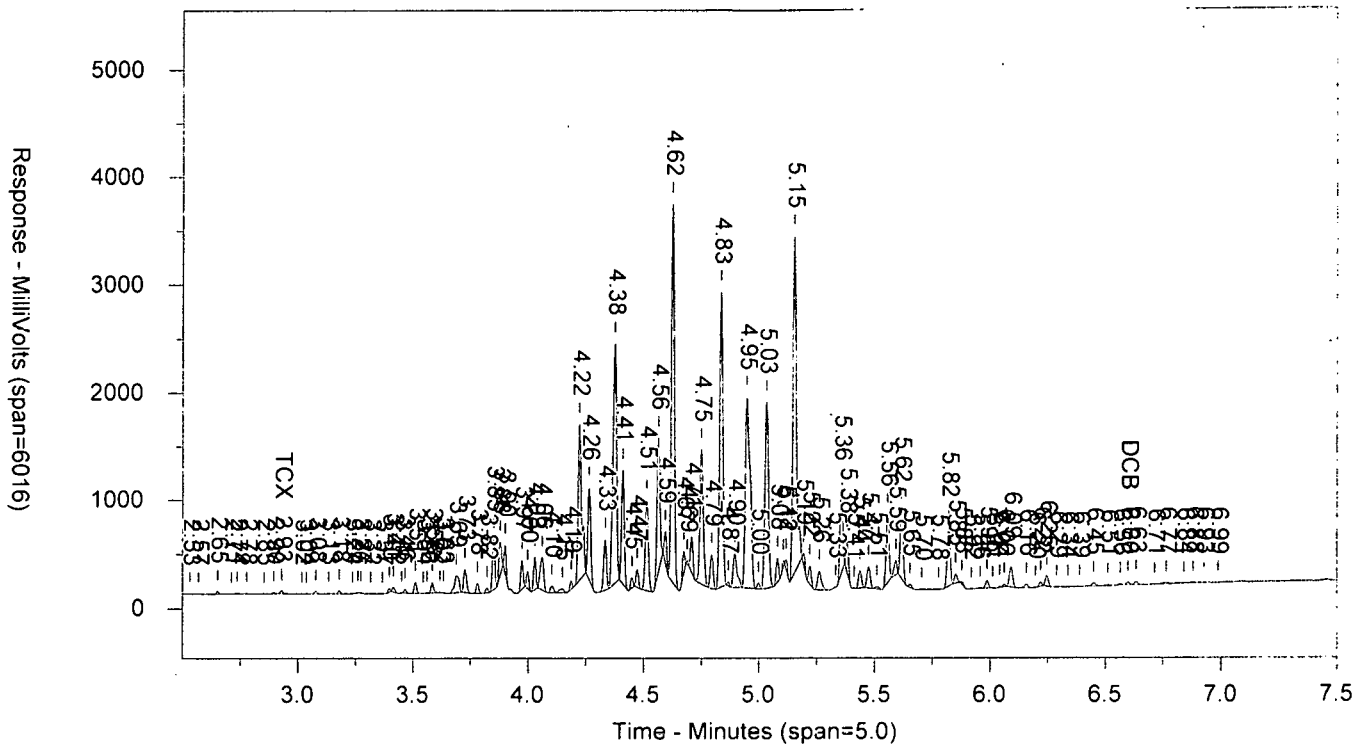

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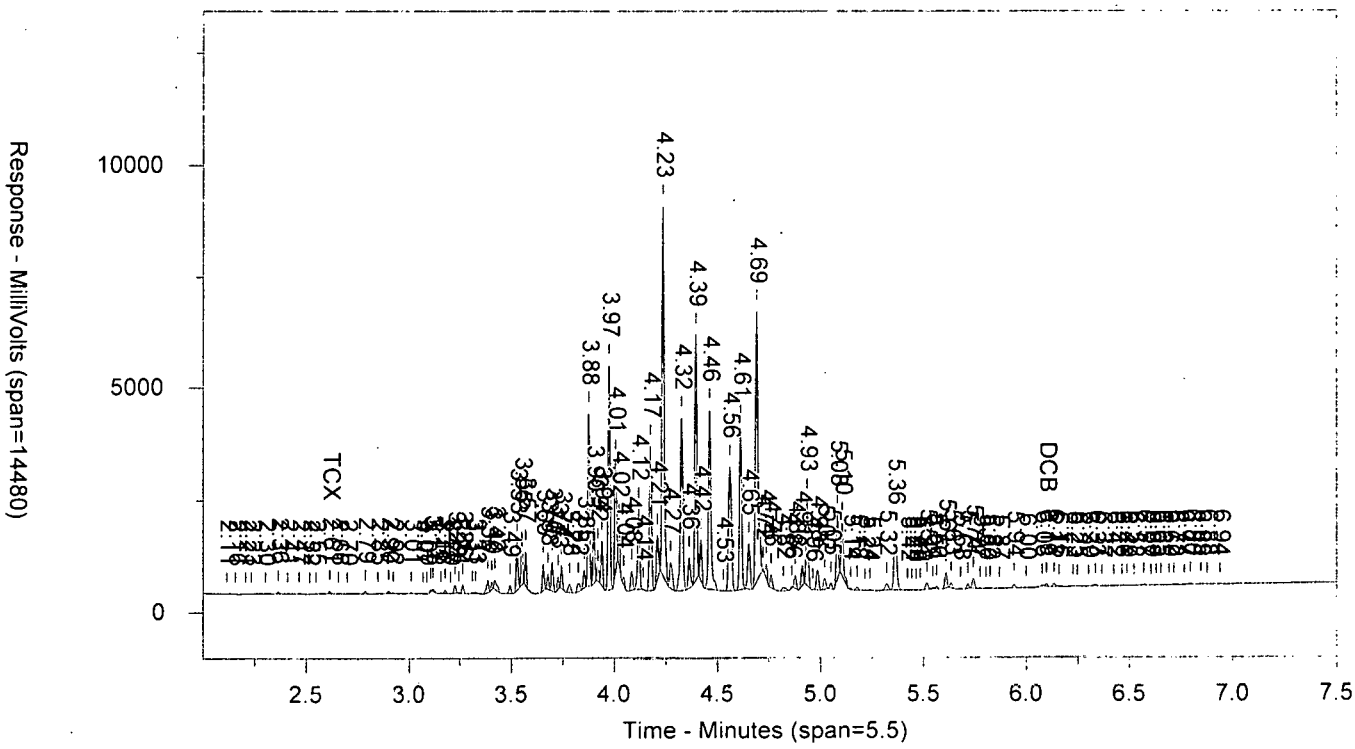

9229390 RI ACF DF200AD96A03 T 172780031A 10225 SW-846 8082

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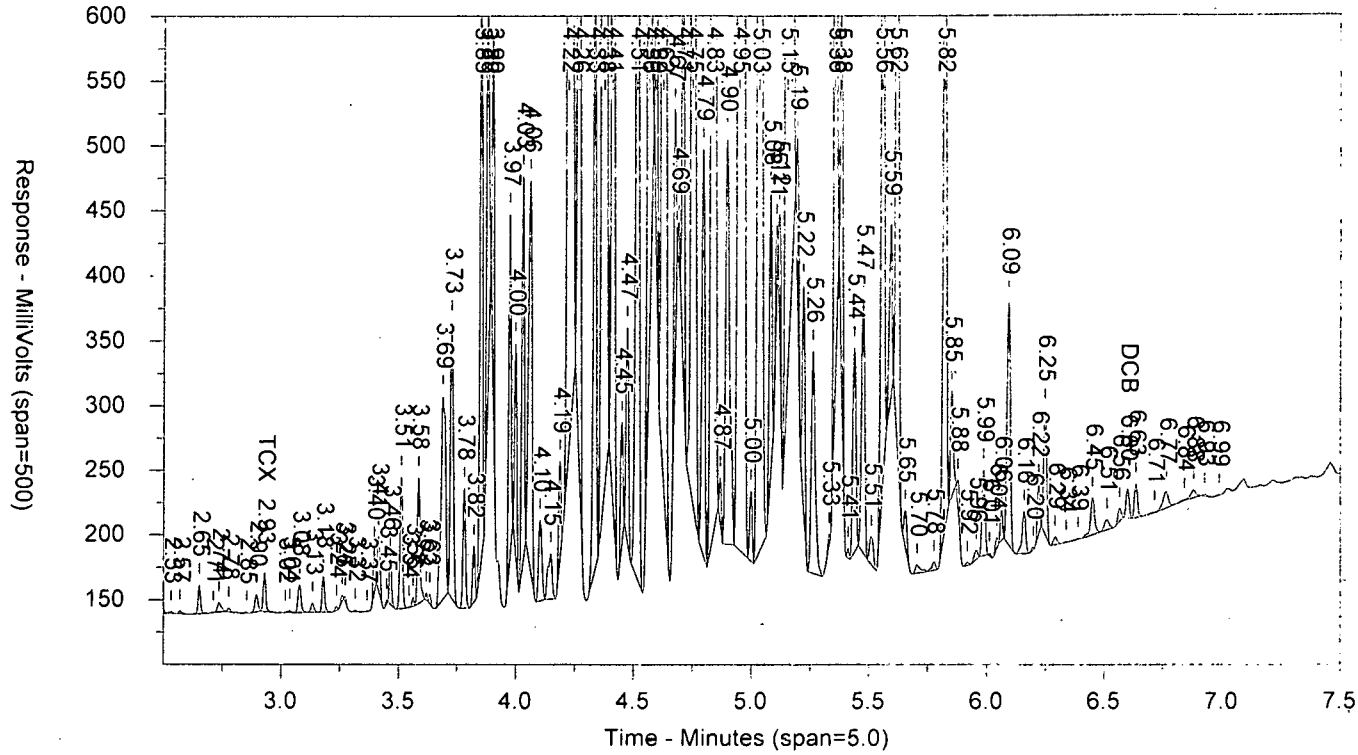

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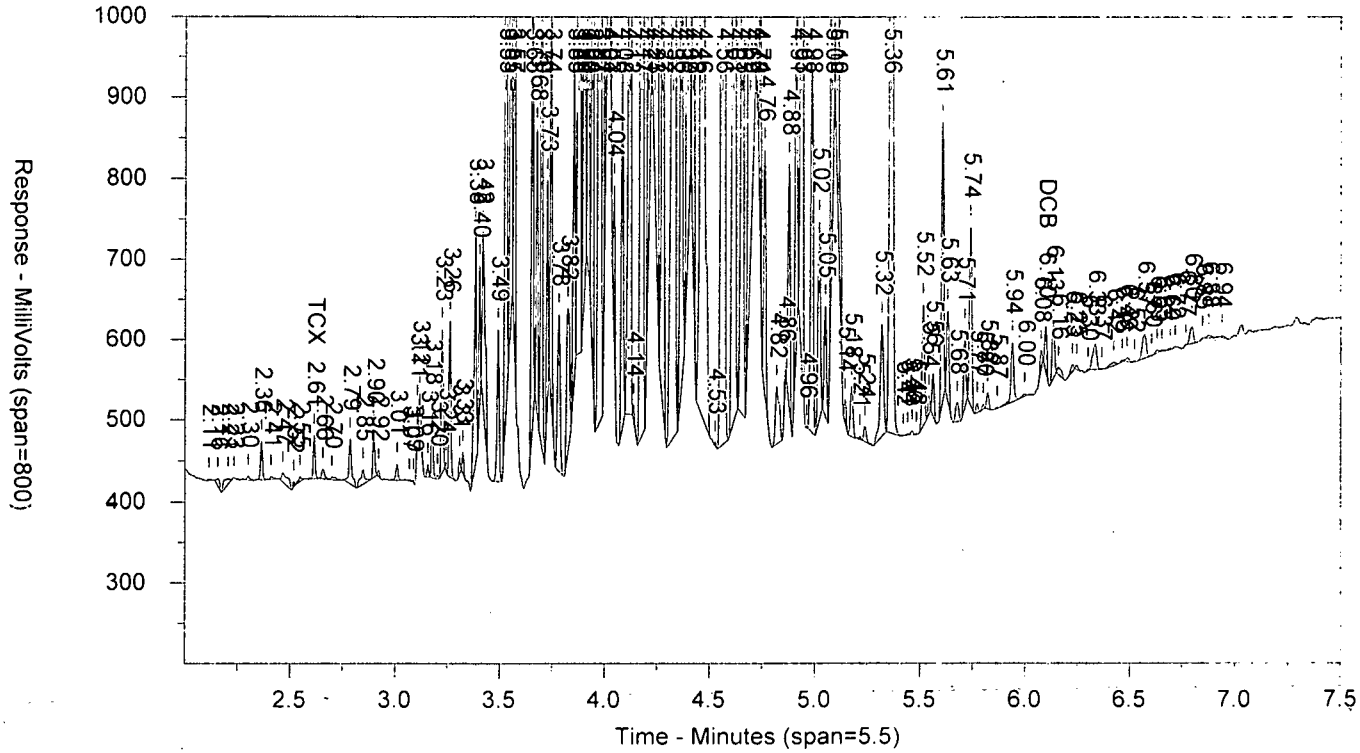

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229391 RI ACF DF500 96A04 Sample ID: AE **Batchnumber: 172780031A**

Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:03:20
Instrument	18274A
Result file	25PCBS17284001.058.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 712% (61 - 152) Conc: 213.4321

%SSR(DCB) * 191% (48 - 164) Conc: 50.84291

Analysis Report (B)

Injected on	Oct 12, 2017 08:03:20
Instrument	18274B
Result file	25PCBS17284001B.058.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 136% (61 - 152) Conc: 40.72037

%SSR(DCB) * 233% (48 - 164) Conc: 62.12114

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	6562	213.4321
Decachlorobiphenyl	6.57	6.59	6.63	999	50.84291

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	2261	40.72037
Decachlorobiphenyl	6.07	6.10	6.13	3833	62.12114

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	40.72037			P	135.91	
☑	Tetrachloro-m-xylene-D1	A	213.4321					
☑	Tetrachloro-m-xylene-D2	B	40.72037					
☐	Decachlorobiphenyl	B	62.12114				19.97	
☑	Decachlorobiphenyl-D1	A	50.84291					
☑	Decachlorobiphenyl-D2	B	62.12114					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**8.65**	
4.55	4.56	4.59	724293.2	1170399.232228			1
4.61	4.63	4.65	1746440	1441205.437906			2
4.73	4.75	4.77	552504.4	1419039.548835			3
4.82	4.84	4.86	1234893	1491892.775761			4
5.02	5.03	5.06	832662.4	1380897.411698			5
5.13	5.15	5.17	1267682	1498931.249278			6

Height summation: **6358475**

Concentration CF: **1400394.275951** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**5.78**	
4.22	4.24	4.26	3992598	1519369.345394			1
4.31	4.33	4.35	1783860	1400321.367049			2
4.38	4.40	4.42	2500790	1608697.009507			3
4.44	4.46	4.48	1584522	1596224.873929			4
4.59	4.61	4.63	1602570	1418553.782605			5
4.67	4.69	4.71	2630825	1534240.608807			6

Height summation: **14095165**

Concentration CF: **1512901.164549** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<250245.3457	<48577.0377	D1		4	
☑	PCB-1221			<250245.3457	<75073.6037	D1		3	
☑	PCB-1232			<250245.3457	<60353.2893	D1		4	
☑	PCB-1242			<250245.3457	<60353.2893	D1		4	
☑	PCB-1248			<250245.3457	<48577.0377	D1		4	
☑	PCB-1254	B	1512901.164549	250245.3457	64769.3836	D2	7.72	4	
☑	PCB-1260			<250245.3457	<57409.2264	D1		4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:54

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229391** RI ACF DF500 96A04 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:03:20
Instrument : CP25--18274A
Result file : 25PCBS17284001.058.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *712% (61-152) Conc.: 213.4321
%SSR(DCB) : *191% (48-164) Conc.: 50.84291

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	113.61	
3.16	3.18	3.20	20660.38	38409.709556			1
3.38	3.40	3.42	45096.92	90641.368391			2
+ 3.38	3.41	3.42	29006.68	58301.213645			2
3.49	3.51	3.53	74596.88	117041.852523			3
3.71	3.73	3.75	137572.5	189095.299749			4
3.76	3.78	3.80	75567.58	120137.56428			5
3.96	3.97	4.00	280941.5	663659.222354			6
Height Summation:			**634435.76**				
Amount Avg CF:			**203164.169475**	Linear:			
Aroclor-1221					3	44.12	
3.06	3.08	3.10	15008.11	65370.193389			1
3.11	3.13	3.15	6404.38	31685.92382			2
3.16	3.18	3.20	20660.38	32892.245646			3
Height Summation:			**42072.87**				
Amount Avg CF:			**43316.120951**	Linear:			
Aroclor-1232					6	121.96	
3.16	3.18	3.20	20660.38	37563.222813			1
3.38	3.40	3.42	45096.92	219988.418563			2
+ 3.38	3.41	3.42	29006.68	141498.214533			2
3.49	3.51	3.53	74596.88	269469.486182			3
3.70	3.73	3.74	137572.5	408771.118878			4
3.76	3.78	3.80	75567.58	304189.573635			5
E 3.95	3.97	3.99	280941.5	1661201.519576			6
Height Summation:			**634435.76**				
Amount Avg CF:			**483530.556608**	Linear:			
Aroclor-1242					6	116.28	
3.16	3.18	3.20	20660.38	27811.402535			1
3.37	3.40	3.41	45096.92	71685.861199			2
+ 3.37	3.41	3.41	29006.68	46108.888064			2
3.49	3.51	3.53	74596.88	88408.305155			3
3.70	3.73	3.74	137572.5	131257.848458			4
3.76	3.78	3.80	75567.58	93967.712829			5
3.95	3.97	3.99	280941.5	515886.465729			6
Height Summation:			**634435.76**				
Amount Avg CF:			**154836.265984**	Linear:			
Aroclor-1248					6	76.74	
3.71	3.73	3.75	137572.5	346496.086832			1
3.76	3.78	3.80	75567.58	219921.417005			2
3.83	3.85	3.87	430656.8	828982.355211			3
3.98	4.00	4.02	73654.17	456956.920817			4
4.04	4.06	4.08	200746.5	394529.868005			5
4.22	4.22	4.26	738765.2	1515706.18952			6
+ 4.22	4.24	4.26	158243.6	324664.458981			6
Height Summation:			**1656962.75**				
Amount Avg CF:			**627098.806232**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:03:20
Instrument : CP25--18274B
Result file : 25PCBS17284001B.058.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 136% (61-152) Conc.: 40.72037
%SSR(DCB) : *233% (48-164) Conc.: 62.12114

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	98.02	
2.88	2.90	2.92	40901.45	41960.633882			1
3.21	3.23	3.25	136161	115360.369425			2
+ 3.21	3.24	3.25	4071.585	3449.589455			2
+ 3.40	3.41	3.44	89261.38	77045.81085			3
3.40	3.42	3.44	153246.2	132274.201213			3
3.47	3.49	3.51	163537.6	128371.605975			4
3.53	3.55	3.57	693061.3	653937.421592			5
+ 3.53	3.57	3.57	297639.4	280837.411929			5
3.64	3.65	3.68	653787.4	610867.382348			6
Height Summation:			**1840694.95**				
Amount Avg CF:			**280461.935739**	Linear:			
Aroclor-1221					3	33.69	
2.77	2.79	2.81	33957.15	72459.355946			1
2.83	2.85	2.87	15680.31	55365.547057			2
2.88	2.90	2.92	40901.45	35749.405439			3
Height Summation:			**90538.91**				
Amount Avg CF:			**54524.769481**	Linear:			
Aroclor-1232					6	108.91	
2.88	2.90	2.92	40901.45	39378.143048			1
3.21	3.23	3.25	136161	260676.758327			2
+ 3.21	3.24	3.25	4071.585	7794.945535			2
+ 3.40	3.41	3.44	89261.38	173159.321116			3
3.40	3.42	3.44	153246.2	297284.312158			3
3.47	3.49	3.51	163537.6	307934.114313			4
E 3.53	3.55	3.57	693061.3	1916061.144375			5
+ 3.53	3.57	3.57	297639.4	822864.138245			5
E 3.63	3.65	3.67	653787.4	1578191.645322			6
Height Summation:			**1840694.95**				
Amount Avg CF:			**733254.352924**	Linear:			
Aroclor-1242					6	104.00	
2.88	2.90	2.92	40901.45	32045.932714			1
3.21	3.23	3.25	136161	88614.865599			2
+ 3.21	3.24	3.25	4071.585	2649.825997			2
+ 3.40	3.41	3.44	89261.38	52710.777318			3
3.40	3.42	3.44	153246.2	90495.198741			3
3.47	3.49	3.51	163537.6	97680.049838			4
3.53	3.55	3.57	693061.3	586527.675322			5
+ 3.53	3.57	3.57	297639.4	251887.885482			5
+ 3.63	3.63	3.67	823.8447	577.893575			6
3.63	3.65	3.67	653787.4	458605.290237			6
Height Summation:			**1840694.95**				
Amount Avg CF:			**225661.502075**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229391** RI ACF DF500 96A04 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:03:20
Instrument : CP25--18274A
Result file : 25PCBS17284001.058.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**8.65**	
4.55	4.56	4.59	724293.2	1170399.232228			1
4.61	4.63	4.65	1746440	1441205.437906			2
4.73	4.75	4.77	552504.4	1419039.548835			3
4.82	4.84	4.86	1234893	1491892.775761			4
5.02	5.03	5.06	832662.4	1380897.411698			5
5.13	5.15	5.17	1267682	1498931.249278			6
Height Summation:			**6358475**				
Amount Avg CF:			**1400394.275951**	Linear:			
Aroclor-1260					**6**	**77.05**	
4.73	4.75	4.77	552504.4	580300.676401			1
4.93	4.95	4.97	784954.2	713154.973603			2
5.13	5.15	5.17	1267682	949855.045474			3
5.36	5.38	5.40	105622	148836.991204			4
5.60	5.62	5.64	228613.3	129083.037207			5
5.80	5.82	5.84	202298.6	180974.435457			6
Height Summation:			**3141674.5**				
Amount Avg CF:			**450367.526558**	Linear:			
Aroclor-1262					**5**	**48.14**	
5.20	5.22	5.24	60464.99	54411.791467			1
5.36	5.38	5.40	105622	109048.320159			2
5.60	5.62	5.64	228613.3	104295.88917			3
5.80	5.82	5.84	202298.6	140074.113562			4
6.23	6.25	6.27	29424.54	35608.491989			6
Height Summation:			**626423.43**				
Amount Avg CF:			**88687.721269**	Linear:			
Aroclor-1268					**4**	**95.09**	
5.80	5.82	5.84	202298.6	81313.089076			1
+ 6.06	6.06	6.10	7919.277	13638.057074			4
6.06	6.09	6.10	81179.11	139801.314611			4
6.23	6.25	6.27	29424.54	32513.931929			5
6.43	6.45	6.47	7397.692	1067.655481			6
Height Summation:			**320299.942**				
Amount Avg CF:			**63673.997774**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:03:20
Instrument : CP25--18274B
Result file : 25PCBS17284001B.058.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**79.37**	
+ 3.40	3.41	3.44	89261.38	152273.087235			1
3.40	3.42	3.44	153246.2	261426.296356			1
3.47	3.49	3.51	163537.6	231920.085952			2
3.51	3.53	3.55	969429.6	838605.343934			3
3.64	3.65	3.68	653787.4	461826.766981			4
+ 3.73	3.73	3.77	153083.4	155970.537287			5
3.73	3.74	3.77	343702.7	350184.897815			5
3.86	3.88	3.90	2533015	1467564.26434			6
Height Summation:			**4816718.5**				
Amount Avg CF:			**601921.275896**	Linear:			
Aroclor-1254					**6**	**5.78**	
4.22	4.24	4.26	3992598	1519369.345394			1
4.31	4.33	4.35	1783860	1400321.367049			2
4.38	4.40	4.42	2500790	1608697.009507			3
4.44	4.46	4.48	1584522	1596224.873929			4
4.59	4.61	4.63	1602570	1418553.782605			5
4.67	4.69	4.71	2630825	1534240.608807			6
Height Summation:			**14095165**				
Amount Avg CF:			**1512901.164549**	Linear:			
Aroclor-1260					**6**	**75.83**	
4.31	4.33	4.35	1783860	800585.164911			1
4.44	4.46	4.48	1584522	662937.515906			2
4.55	4.56	4.59	1309370	659819.22519			3
4.89	4.91	4.93	168289.9	109218.271464			4
5.09	5.10	5.13	399229.7	114409.669237			5
5.34	5.36	5.38	460644.4	178763.396088			6
Height Summation:			**5705916**				
Amount Avg CF:			**420955.540466**	Linear:			
Aroclor-1262					**6**	**61.21**	
4.70	4.74	4.74	174647.8	73134.34789			1
4.89	4.91	4.93	168289.9	74517.502111			2
5.08	5.10	5.12	399229.7	84752.452588			3
5.30	5.32	5.34	44720.9	23926.503536			4
5.34	5.36	5.38	460644.4	143949.411557			5
5.72	5.74	5.76	61180.17	28367.47463			6
Height Summation:			**1308712.87**				
Amount Avg CF:			**71441.282052**	Linear:			
Aroclor-1268					**5**	**123.18**	
5.30	5.32	5.34	44720.9	8033.629433			1
5.35	5.36	5.39	460644.4	81511.94435			2
5.50	5.52	5.54	69159.7	13427.305649			3
5.72	5.74	5.76	61180.17	27042.953978			5
5.92	5.94	5.96	24378.39	1185.730877			6
Height Summation:			**660083.56**				
Amount Avg CF:			**26240.312857**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			50245.3457	48577.0377		31.97	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229391** RI ACF DF500 96A04 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.19 g Total Volume: 50000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Oct 12, 2017 08:03:20
Instrument	: CP25--18274A
Result file	: 25PCBS17284001.058.RAW
Calibration file	: 25PCBS1728401.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Oct 12, 2017 08:03:20
Instrument	: CP25--18274B
Result file	: 25PCBS17284001B.058.RAW
Calibration file	: 25PCBS1728401B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			50245.3457	75073.6037		22.91	3	5	
Aroclor-1232			50245.3457	60353.2893	E	** 41.05	4	10	
Aroclor-1242			50245.3457	60353.2893		37.23	4	30	
Aroclor-1248			50245.3457	48577.0377		4.10	4	40	
Aroclor-1254			50245.3457	64769.3836		7.72	4	40	
Aroclor-1260			50245.3457	57409.2264		6.75	4	40	
Aroclor-1262			50245.3457	48577.0377		21.54	4	40	
Aroclor-1268			50245.3457	48577.0377		** 83.27	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:03:20 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: 25PCBS17284001.058.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.038		16175	20612
2.087		3274	5466
2.172		756	363
2.205		25138	19411
2.303		319	171
2.331		1603	1117
2.368		1517	3870
2.49		9337	9090
2.531		851	949
2.569		1646	1768
2.631		395	143
2.652		12877	8986
2.716		352	230
2.744		2684	4290
2.849		709	579
2.896		7982	7127
2.926	TCX	6562	5406
3.021		755	966
3.077		15008	14126
3.134		6404	4911
3.179		20660	15654
3.237		854	560
3.261		1881	1246
3.273		4444	2375
3.318		635	529
3.338		481	284
3.396		45097	26187
3.413		29007	19842
3.449		3329	1635
3.465		20937	14054
3.51		74597	57148
3.562		3788	2024
3.586		55098	40078
3.62		8904	4751
3.635		5653	2810
3.69		118701	158005
3.727		137573	116987
3.782		75568	57097
3.824		22089	15626
3.852		430657	337700
3.879		211110	157694
3.901		84054	48794
3.926		7138	4305
3.974		280942	209144
3.998		73654	48249
4.03		125540	91657
4.062		200747	209286
4.103		43551	38889
4.149		16494	19343
4.188		42273	28242
4.223		738765	544659
4.24		158244	82766
4.266		388737	330139
4.334		236097	208345

RT A	Compound A	Height A	Area A
4.377		1217815	1363653
4.411		519077	436384
4.451		37164	24509
4.473		92684	68926
4.515		458853	437291
4.564		724293	643385
4.595		177368	118254
4.626		1746441	1542227
4.675		85306	63846
4.689		12193	4726
4.709		188482	147042
4.751		552504	592888
4.796		135836	123671
4.837		1234893	1196034
4.869		18498	11027
4.896		145181	178656
4.949		784954	1156045
4.999		18271	13759
5.034		832662	895689
5.083		100333	78733
5.105		32065	21688
5.118		40685	27365
5.152		1267682	1132324
5.174		58145	24765
5.192		48015	32641
5.22		60465	45207
5.262		69450	79031
5.332		4421	5170
5.357		366740	311478
5.381		105622	78652
5.413		2073	1114
5.437		66795	59592
5.475		89038	85352
5.512		10242	10883
5.555		261014	245328
5.591		61994	58759
5.617		228613	207446
5.653		12236	11340
5.72		1849	3668
5.779		2421	2207
5.82		202299	203861
5.85		43305	53964
5.921		1123	1036
5.956		5369	5615
5.986		27794	25012
6.042		3758	2525
6.062		7919	5516
6.091		81179	74885
6.157		14811	14674
6.194		1595	1243
6.219		13994	11568
6.245		29425	25268
6.292		2474	2933
6.322		511	213
6.338		577	342
6.388		469	732
6.449		7398	8088
6.514		4964	8261
6.567		4976	7240
6.594	DCB	999	661
6.633		11007	10558
6.695		516	442
6.765		5050	7657
6.8		616	230
6.877		5841	12938
6.943		418	364

LANCASTER LABORATORIES

Sample Number: 9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:03:20 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: 25PCBS17284001B.058.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.118		3515	19073
2.202		4233	9783
2.232		2529	3090
2.301		3441	2670
2.364		26987	18355
2.408		1529	1686
2.468		3496	10569
2.522		4400	3174
2.613	TCX	2261	2001
2.658		9582	8995
2.714		2716	3092
2.787		33957	28372
2.847		15680	17304
2.899		40901	25520
2.921		2767	1284
3.009		16490	10740
3.079		710	94
3.09		1363	548
3.106		64477	31223
3.117		34927	16257
3.157		13917	7444
3.178		48944	28407
3.203		5681	2834
3.227		136161	90198
3.244		4072	1535
3.264		112085	67210
3.294		738	97
3.31		26338	14009
3.326		21795	12042
3.352		3415	1841
3.385		219835	183611
3.405		89261	41612
3.42		153246	140350
3.494		163538	104372
3.528		969430	604303
3.551		693061	386917
3.569		297639	158215
3.586		8182	3954
3.634		824	1311
3.655		653787	407509
3.678		189003	102031
3.698		282130	184593
3.728		153083	81266
3.744		343703	194532
3.784		125360	101444
3.825		102096	97971
3.854		292963	171039
3.876		2533015	1653529
3.901		591858	344114
3.921		347199	187038
3.939		519134	313761
3.975		2727537	1810290
4.007		1147368	731031
4.024		559247	277892

RT B	Compound B	Height B	Area B
4.084		221519	157424
4.119		987795	746505
4.176		1815070	1357013
4.209		533314	394938
4.235		3992598	2877962
4.274		288902	268225
4.327		1783860	1536862
4.363		301199	230613
4.396		2500790	1714059
4.419		398515	250782
4.462		1584522	1236767
4.486		34902	17465
4.561		1309370	1285186
4.614		1602570	1281921
4.653		448279	373476
4.691		2630825	2524071
4.738		174648	102223
4.762		118548	86472
4.82		31891	35917
4.86		12092	7210
4.878		124105	93398
4.911		168290	116953
4.935		762948	600994
4.985		178737	149843
5.019		108233	86158
5.05		55492	43400
5.082		572108	413430
5.104		399230	297428
5.145		8522	4833
5.177		23368	21631
5.215		1908	1142
5.24		3525	6472
5.32		44721	61715
5.36		460644	456821
5.46		3142	2276
5.49		915	543
5.516		69160	55572
5.545		8463	4555
5.563		22739	15602
5.608		152315	115291
5.632		39998	29551
5.679		8991	8199
5.714		43813	33195
5.741		61180	50329
5.772		5581	11886
5.845		1336	4657
5.876		1842	2964
5.91		2358	2507
5.94		24378	21003
5.985		2662	2902
6.025		2040	1597
6.051		3051	1811
6.075		13724	9594
6.098	DCB	3833	2277
6.133		29361	23985
6.164		9247	8123
6.23		3251	4369
6.25		2244	1103
6.274		3327	5199
6.352		1595	6576
6.412		1271	1376
6.436		1312	304
6.484		833	1389
6.518		3430	4958
6.547		1872	1075
6.586		1485	1218

RT B	Compound B	Height B	Area B
6.632		1123	2146
6.697		1735	2560
6.731		2830	3514
6.78		5869	9372
6.799		1420	860
6.85		1255	1880
6.876		1384	1840
6.899		1401	869

9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082

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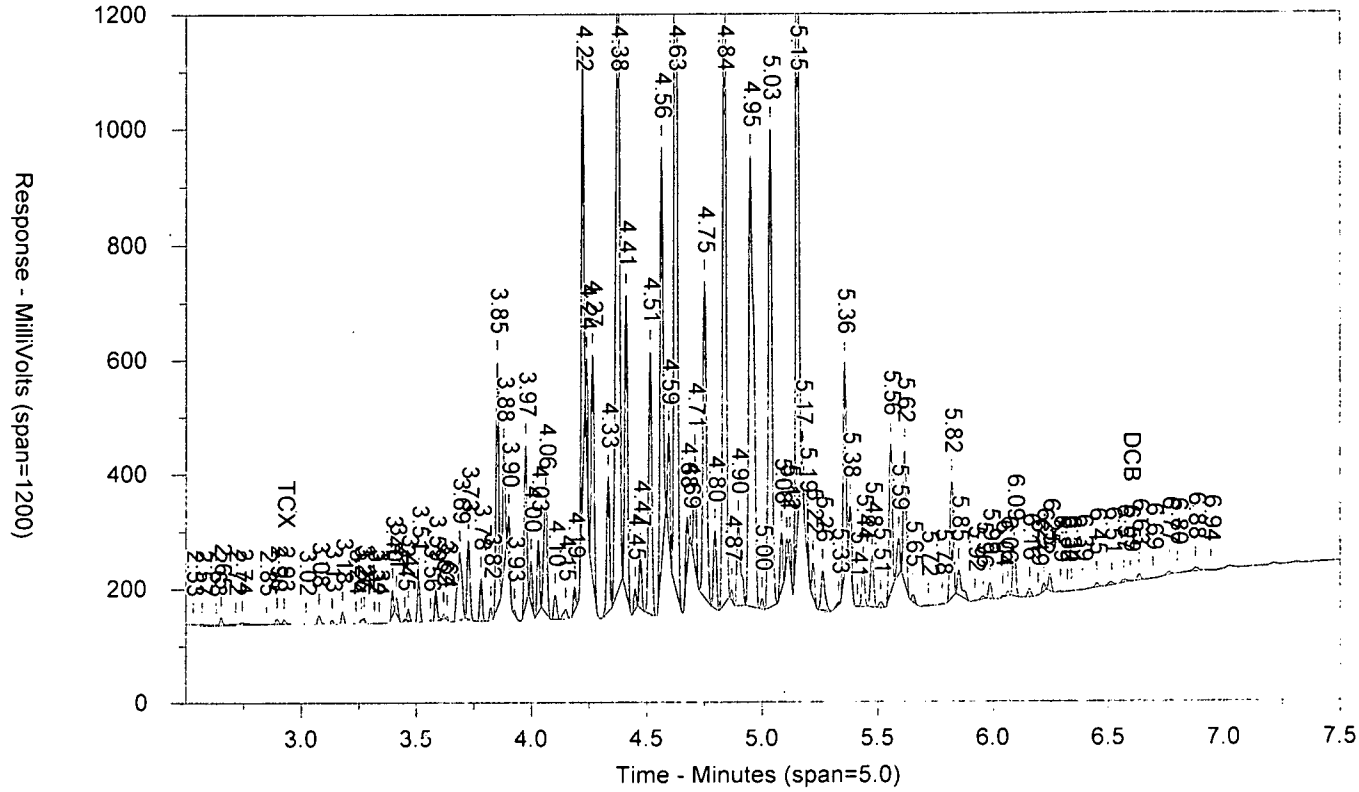

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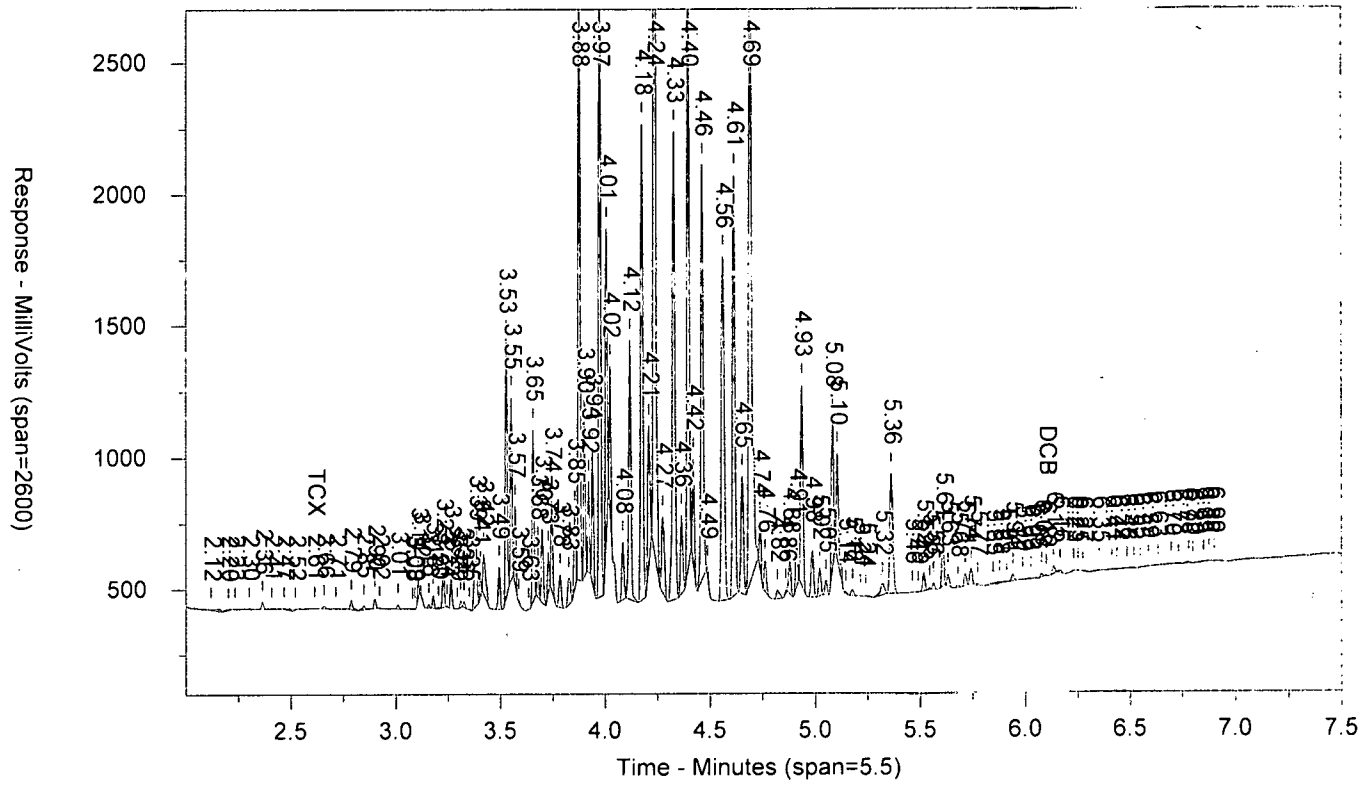

LANCASTER LABORATORIES

Sample Number: 9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:03:20 AM Sample Weight: 10.19
Instrument ID: CP25-18274 Dilution Factor: 50000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.926	6562	213.432	TCX	2.613	2261	40.72	TCX
6.594	999	50.843	DCB	6.098	3833	62.121	DCB

Files:
Area File: 25PCBS17284001.058.RAW
Area File: 25PCBS17284001B.058.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:28 PM
File Reported On: 10/12/2017 at 4:33:25 PM

9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082

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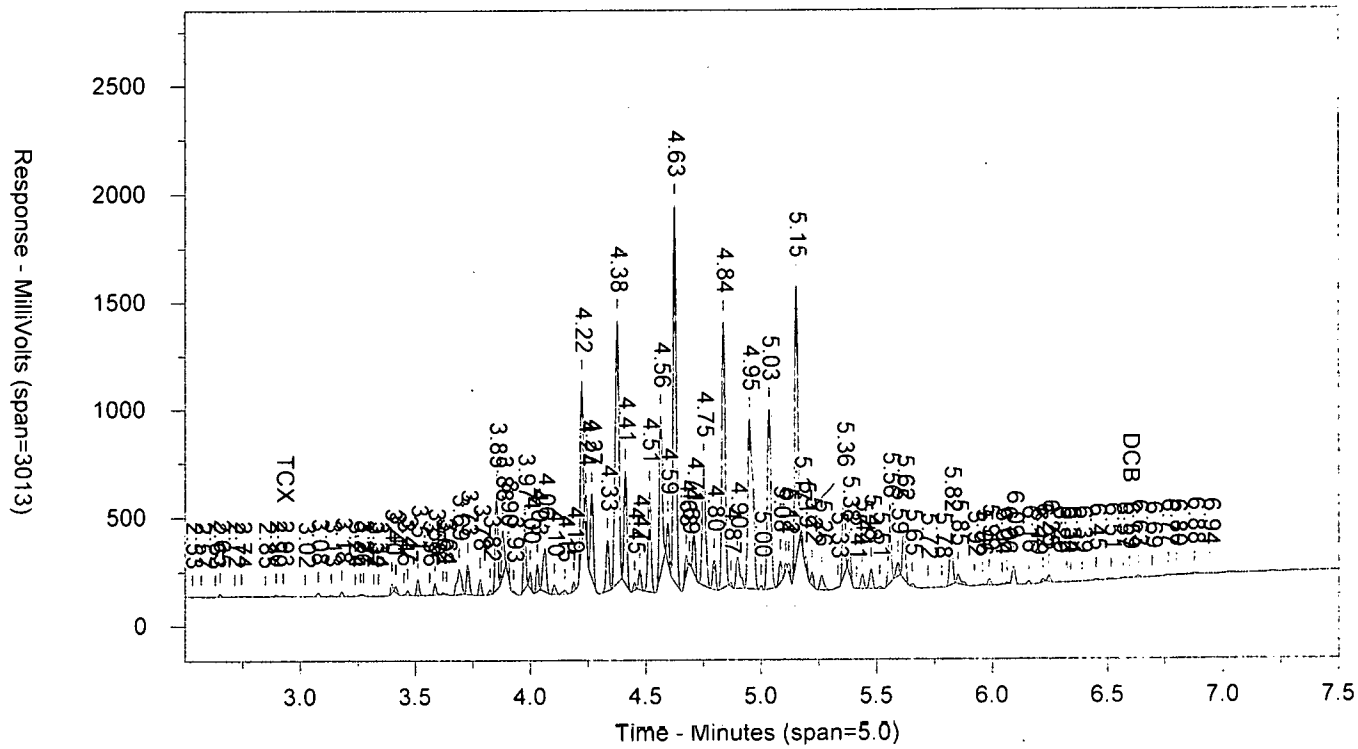

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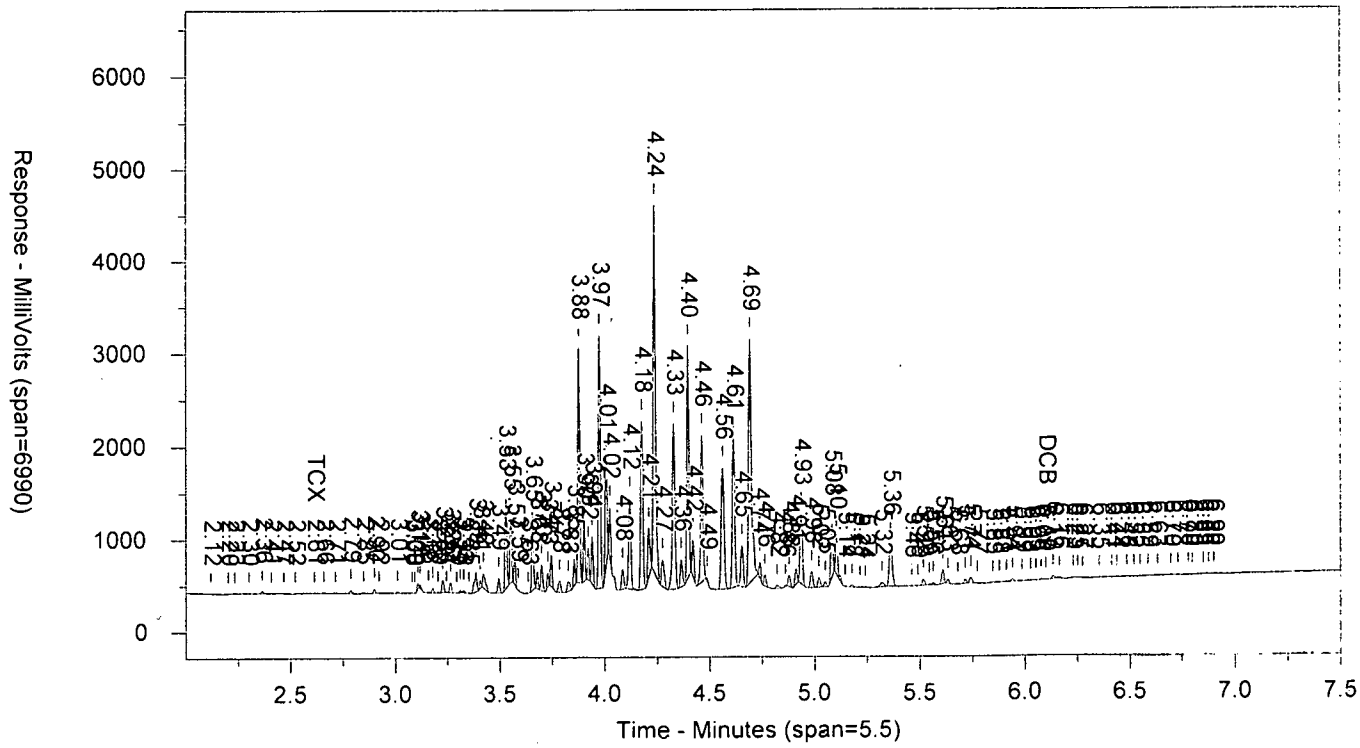

9229391 RI ACF DF500AE96A04 T 172780031A 10225 SW-846 8082

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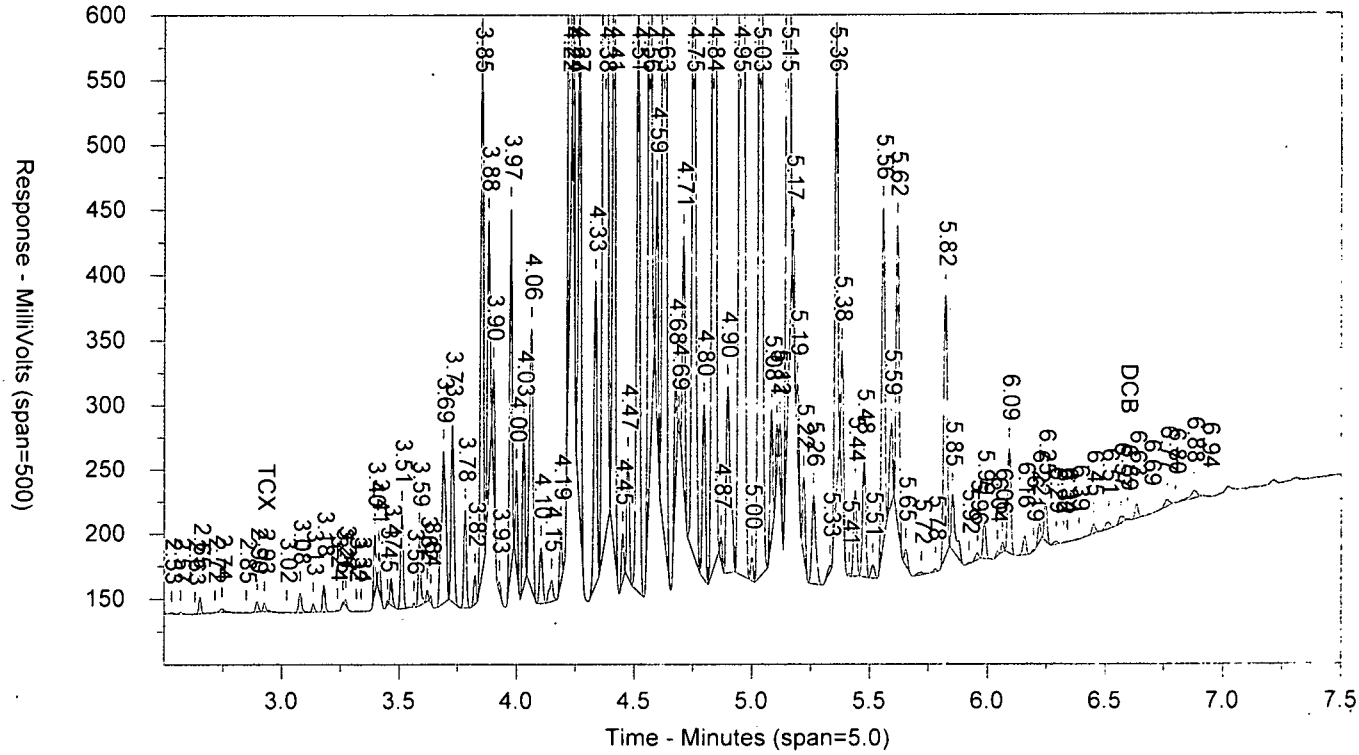

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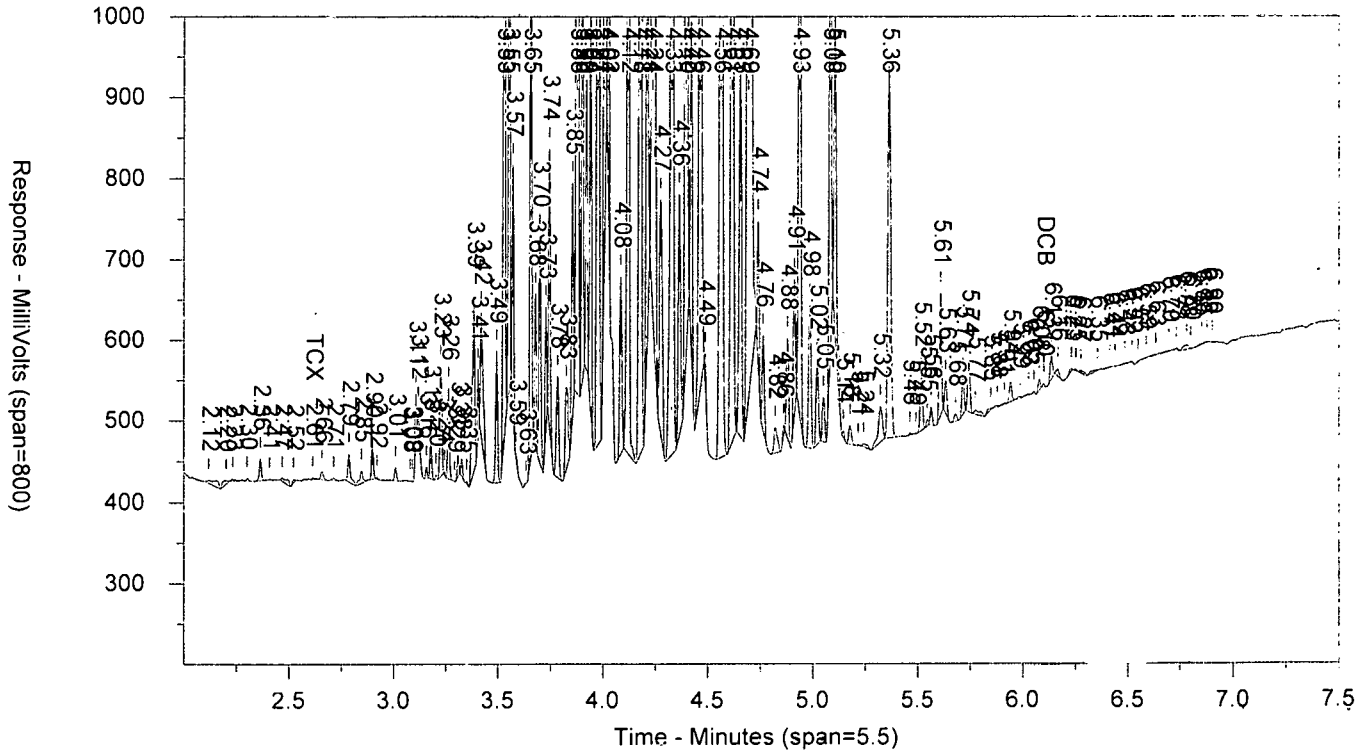

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229392 RI ACF DF100 96A05 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.1 g Total Volume: 10000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:14:39
Instrument	18274A
Result file	25PCBS17284001.059.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 233% (61 - 152) Conc: 70.57938

%SSR(DCB) * 178% (48 - 164) Conc: 47.76154

Analysis Report (B)

Injected on	Oct 12, 2017 08:14:39
Instrument	18274B
Result file	25PCBS17284001B.059.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 144% (61 - 152) Conc: 43.60862

%SSR(DCB) * 179% (48 - 164) Conc: 48.2028

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	10755	70.57938
Decachlorobiphenyl	6.57	6.60	6.63	4650	47.76154

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	11999	43.60862
Decachlorobiphenyl	6.07	6.10	6.13	14739	48.2028

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	43.60862			P	47.24	
☑	Tetrachloro-m-xylene-D1	A	70.57938					
☑	Tetrachloro-m-xylene-D2	B	43.60862					
☐	Decachlorobiphenyl	B	48.2028				0.92	
☑	Decachlorobiphenyl-D1	A	47.76154					
☑	Decachlorobiphenyl-D2	B	48.2028					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**24.24**	
4.55	4.56	4.59	515087.5	167951.325966			1
4.61	4.62	4.65	1812305	301777.125081			2
4.73	4.75	4.77	630592.1	326806.051666			3
4.82	4.83	4.86	1291974	314952.356346			4
5.02	5.03	5.06	648209.2	216915.436043			5
5.13	5.15	5.17	1361325	324799.996613			6

Height summation: **6259492.8**

Concentration CF: **275533.715286** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.86**	
4.22	4.23	4.26	4164216	319759.774801			1
4.31	4.33	4.35	1899980	300953.073971			2
4.38	4.39	4.42	2600295	337522.288648			3
4.44	4.46	4.48	1998664	406273.407433			4
4.59	4.61	4.63	1287588	229979.181529			5
4.67	4.69	4.71	2891754	340287.239973			6

Height summation: **14842497**

Concentration CF: **322462.494393** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50495.051	<9801.9805	D1		4	
☑	PCB-1221			<50495.051	<15148.5153	D1		3	
☑	PCB-1232			<50495.051	<12178.2182	D1		4	
☑	PCB-1242			<50495.051	<12178.2182	D1		4	
☑	PCB-1248			<50495.051	<9801.9805	D1		4	
☑	PCB-1254	B	322462.494393	50495.051	13069.3073	D2	15.70	4	
☑	PCB-1260			<50495.051	<11584.1588	D1		4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:56

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229392** RI ACF DF100 96A05 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274A
Result file : 25PCBS17284001.059.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *233% (61-152) Conc.: 70.57938
%SSR(DCB) : *178% (48-164) Conc.: 47.76154

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**88.51**	
3.16	3.18	3.20	19282.8	7233.618839			1
+ 3.38	3.40	3.42	32825.06	13312.753974			2
3.38	3.41	3.42	51178.73	20756.392865			2
3.49	3.51	3.53	114972.8	36399.753077			3
3.71	3.73	3.75	155084.5	43013.056502			4
3.76	3.78	3.80	65723.2	21083.602261			5
3.96	3.97	4.00	217410.4	103631.636866			6
Height Summation:			**623652.43**				
Amount Avg CF:			**38686.343402**	Linear:			
Aroclor-1221					**3**	**72.98**	
3.06	3.08	3.10	19661.3	17280.201461			1
3.11	3.13	3.15	4739.173	4731.236412			2
3.16	3.18	3.20	19282.8	6194.526605			3
Height Summation:			**43683.273**				
Amount Avg CF:			**9401.98816**	Linear:			
Aroclor-1232					**6**	**96.28**	
3.16	3.18	3.20	19282.8	7074.201792			1
+ 3.38	3.40	3.42	32825.06	32310.320832			2
3.38	3.41	3.42	51178.73	50376.181676			2
3.49	3.51	3.53	114972.8	83804.404557			3
3.70	3.73	3.74	155084.5	92982.190759			4
3.76	3.78	3.80	65723.2	53383.902204			5
E 3.95	3.97	3.99	217410.4	259399.744386			6
Height Summation:			**623652.43**				
Amount Avg CF:			**91170.104229**	Linear:			
Aroclor-1242					**6**	**90.68**	
3.16	3.18	3.20	19282.8	5237.662238			1
+ 3.37	3.40	3.41	32825.06	10528.705055			2
3.37	3.41	3.41	51178.73	16415.682202			2
3.49	3.51	3.53	114972.8	27494.784201			3
3.70	3.73	3.74	155084.5	29856.909503			4
3.76	3.78	3.80	65723.2	16490.91102			5
3.95	3.97	3.99	217410.4	80556.642746			6
Height Summation:			**623652.43**				
Amount Avg CF:			**29342.098652**	Linear:			
Aroclor-1248					**6**	**66.32**	
3.71	3.73	3.75	155084.5	78816.637857			1
3.76	3.78	3.80	65723.2	38595.219677			2
3.83	3.85	3.87	392711.4	152535.27598			3
3.98	4.00	4.02	194185.5	243095.837735			4
4.04	4.06	4.08	199579.2	79146.185463			5
4.22	4.22	4.26	653387.1	270496.690719			6
+ 4.22	4.24	4.26	161730.9	66955.214202			6
Height Summation:			**1660670.9**				
Amount Avg CF:			**143780.974572**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274B
Result file : 25PCBS17284001B.059.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 144% (61-152) Conc.: 43.60862
%SSR(DCB) : *179% (48-164) Conc.: 48.2028

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**115.21**	
2.88	2.90	2.92	39177.29	8109.994003			1
3.21	3.22	3.25	208450.1	35635.989272			2
+ 3.21	3.24	3.25	7896.231	1349.915415			2
3.40	3.40	3.44	262322.6	45688.189384			3
+ 3.40	3.42	3.44	78247.63	13628.229281			3
+ 3.40	3.43	3.44	141473.4	24640.132005			3
3.47	3.49	3.51	142837.7	22624.396786			4
3.53	3.55	3.57	1245803	237190.188356			5
+ 3.53	3.57	3.57	1076994	205050.405015			5
3.64	3.65	3.68	501286.5	94510.313695			6
Height Summation:			**2399877.19**				
Amount Avg CF:			**73959.845249**	Linear:			
Aroclor-1221					**3**	**61.21**	
2.77	2.79	2.81	44281.12	19066.221727			1
2.83	2.85	2.87	10599.65	7551.953062			2
2.88	2.90	2.92	39177.29	6909.511056			3
Height Summation:			**94058.06**				
Amount Avg CF:			**11175.895281**	Linear:			
Aroclor-1232					**6**	**129.95**	
2.88	2.90	2.92	39177.29	7610.859856			1
3.21	3.22	3.25	208450.1	80525.697078			2
+ 3.21	3.24	3.25	7896.231	3050.367956			2
3.40	3.40	3.44	262322.6	102683.53035			3
+ 3.40	3.42	3.44	78247.63	30629.243877			3
+ 3.40	3.43	3.44	141473.4	55378.332491			3
3.47	3.49	3.51	142837.7	54270.751957			4
E 3.53	3.55	3.57	1245803	694976.137978			5
E+ 3.53	3.57	3.57	1076994	600805.368702			5
E 3.63	3.65	3.67	501286.5	244169.834205			6
Height Summation:			**2399877.19**				
Amount Avg CF:			**197372.801904**	Linear:			
Aroclor-1242					**6**	**127.20**	
2.88	2.90	2.92	39177.29	6193.717732			1
3.21	3.22	3.25	208450.1	27374.031615			2
+ 3.21	3.24	3.25	7896.231	1036.946862			2
3.40	3.40	3.44	262322.6	31257.507061			3
+ 3.40	3.42	3.44	78247.63	9323.732866			3
+ 3.40	3.43	3.44	141473.4	16857.509797			3
3.47	3.49	3.51	142837.7	17215.272714			4
E 3.53	3.55	3.57	1245803	212739.942986			5
+ 3.53	3.57	3.57	1076994	183913.220755			5
3.63	3.65	3.67	501286.5	70953.09243			6
Height Summation:			**2399877.19**				
Amount Avg CF:			**60955.59409**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229392** RI ACF DF100 96A05 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274A
Result file : 25PCBS17284001.059.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**24.24**	
4.55	4.56	4.59	515087.5	167951.325966			1
4.61	4.62	4.65	1812305	301777.125081			2
4.73	4.75	4.77	630592.1	326806.051666			3
4.82	4.83	4.86	1291974	314952.356346			4
5.02	5.03	5.06	648209.2	216915.436043			5
5.13	5.15	5.17	1361325	324799.996613			6
+ 5.13	5.17	5.17	38662.89	9224.620529			6
Height Summation:			**6259492.8**				
Amount Avg CF:			**275533.715286**	Linear:			
Aroclor-1260					**6**	**67.07**	
4.73	4.75	4.77	630592.1	133643.754319			1
4.93	4.95	4.97	905243.5	165954.035956			2
5.13	5.15	5.17	1361325	205821.925256			3
+ 5.13	5.17	5.17	38662.89	5845.53318			3
5.36	5.38	5.40	147835.7	42035.732834			4
5.60	5.62	5.64	351593	40058.133408			5
5.80	5.82	5.84	291690.1	52653.694405			6
Height Summation:			**3688279.4**				
Amount Avg CF:			**106694.54603**	Linear:			
Aroclor-1262					**6**	**55.51**	
5.20	5.22	5.24	99724.85	18108.198111			1
5.36	5.38	5.40	147835.7	30798.298293			2
5.60	5.62	5.64	351593	32365.977224			3
5.80	5.82	5.84	291690.1	40753.930526			4
5.86	5.88	5.90	17385.03	5135.759177			5
6.23	6.24	6.27	61844.58	15101.787329			6
Height Summation:			**970073.26**				
Amount Avg CF:			**23710.658443**	Linear:			
Aroclor-1268					**5**	**100.95**	
5.80	5.82	5.84	291690.1	23657.675917			1
5.86	5.88	5.90	17385.03	1564.807765			2
+ 6.06	6.06	6.10	10880.61	3780.968154			4
6.06	6.09	6.10	106519.5	37015.097248			4
6.23	6.24	6.27	61844.58	13789.364777			5
6.43	6.45	6.47	14945.26	435.232351			6
Height Summation:			**492384.47**				
Amount Avg CF:			**15292.435612**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274B
Result file : 25PCBS17284001B.059.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**74.40**	
3.40	3.40	3.44	262322.6	90297.987274			1
+ 3.40	3.42	3.44	78247.63	26934.78754			1
+ 3.40	3.43	3.44	141473.4	48698.675878			1
3.47	3.49	3.51	142837.7	40873.930083			2
3.51	3.53	3.55	878044.6	153264.203196			3
3.64	3.65	3.68	501286.5	71451.503029			4
+ 3.73	3.73	3.77	122144.1	25111.333075			5
3.73	3.74	3.77	355468.7	73080.017156			5
3.86	3.88	3.90	2405238	281190.231226			6
Height Summation:			**4545198.1**				
Amount Avg CF:			**118359.645327**	Linear:			
Aroclor-1254					**6**	**17.86**	
4.22	4.23	4.26	4164216	319759.774801			1
4.31	4.33	4.35	1899980	300953.073971			2
4.38	4.39	4.42	2600295	337522.288648			3
4.44	4.46	4.48	1998664	406273.407433			4
4.59	4.61	4.63	1287588	229979.181529			5
4.67	4.69	4.71	2891754	340287.239973			6
Height Summation:			**14842497**				
Amount Avg CF:			**322462.494392**	Linear:			
Aroclor-1260					**6**	**67.82**	
4.31	4.33	4.35	1899980	172059.480077			1
4.44	4.46	4.48	1998664	168731.792056			2
4.55	4.56	4.59	1285371	130699.486837			3
4.89	4.91	4.93	245514.1	32151.148501			4
5.09	5.10	5.13	613187.2	35458.125605			5
5.34	5.36	5.38	634121.8	49655.606456			6
Height Summation:			**6676838.1**				
Amount Avg CF:			**98125.939922**	Linear:			
Aroclor-1262					**6**	**58.15**	
+ 4.70	4.72	4.74	57215.79	4834.56027			1
4.70	4.74	4.74	124525.7	10522.042984			1
4.89	4.91	4.93	245514.1	21936.10322			2
5.08	5.10	5.12	613187.2	26266.688203			3
5.30	5.32	5.34	86719.6	9362.002981			4
5.34	5.36	5.38	634121.8	39985.229002			5
5.72	5.74	5.76	141404.9	13229.921296			6
Height Summation:			**1845473.3**				
Amount Avg CF:			**20216.997948**	Linear:			
Aroclor-1268					**5**	**111.18**	
5.30	5.32	5.34	86719.6	3143.412182			1
5.35	5.36	5.39	634121.8	22641.799824			2
5.50	5.51	5.54	71979.36	2819.853597			3
5.72	5.74	5.76	141404.9	12612.196095			5
5.92	5.94	5.96	43162.91	423.61822			6
Height Summation:			**977388.57**				
Amount Avg CF:			**8328.175984**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229392** RI ACF DF100 96A05 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.1 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274A
Result file : 25PCBS17284001.059.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:14:39
Instrument : CP25--18274B
Result file : 25PCBS17284001B.059.RAW
Calibration file : 25PCBS1728401B.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			50495.0469	9801.9797		** 62.63	4	40	
Aroclor-1221			50495.0469	15148.5141		17.24	3	5	
Aroclor-1232			50495.0469	12178.2172	E	** 73.61	4	10	
Aroclor-1242			50495.0469	12178.2172		** 70.02	4	30	
Aroclor-1248			50495.0469	9801.9797		19.40	4	40	
Aroclor-1254			50495.0469	13069.3063		15.70	4	40	
Aroclor-1260			50495.0469	11584.1578		8.37	4	40	
Aroclor-1262			50495.0469	9801.9797		15.91	4	40	
Aroclor-1268			50495.0469	9801.9797		** 58.97	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:14:39 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: 25PCBS17284001.059.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		10684	12121
2.089		2616	4495
2.204		7819	6689
2.253		752	644
2.302		553	439
2.329		1171	692
2.37		1370	2991
2.489		5942	5737
2.528		799	747
2.569		1839	1660
2.652		5753	4432
2.746		2715	4290
2.853		662	755
2.877		389	189
2.895		4176	3360
2.928	TCX	10755	9911
3.018		537	256
3.079		19661	17281
3.134		4739	3677
3.179		19283	14803
3.234		672	566
3.273		10353	11638
3.317		1528	1120
3.365		328	237
3.395		32825	19208
3.412		51179	35376
3.449		3278	1652
3.464		20598	13178
3.51		114973	86425
3.546		566	319
3.561		4469	2391
3.585		56265	40348
3.619		7566	4168
3.634		7812	4356
3.696		190153	277939
3.728		155085	157154
3.781		65723	49500
3.822		61367	45013
3.85		392711	292572
3.877		430986	297539
3.899		435436	284014
3.973		217410	159939
3.998		194186	140159
4.029		330012	241252
4.061		199579	201181
4.104		42482	45008
4.136		13112	7978
4.148		6105	3308
4.187		66238	45950
4.221		653387	461588
4.239		161731	83618
4.263		735058	631992
4.333		305028	259098
4.375		1176970	1314408

RT A	Compound A	Height A	Area A
4.409		657773	560857
4.45		87903	63393
4.472		102101	73778
4.513		419814	399351
4.562		515088	455283
4.593		118461	77981
4.624		1812305	1605990
4.674		123251	86274
4.688		13528	6180
4.707		128413	93510
4.729		5292	2119
4.749		630592	621326
4.794		183999	164631
4.835		1291974	1260689
4.867		14525	8278
4.895		184084	196247
4.947		905244	1280650
4.998		31962	24487
5.032		648209	729442
5.08		104278	79733
5.116		114168	148239
5.151		1361325	1222594
5.172		38663	18774
5.192		43039	28620
5.218		99725	81495
5.261		91035	104918
5.332		2428	2242
5.356		331611	283234
5.38		147836	111048
5.41		2276	1081
5.436		93082	83712
5.473		103613	103345
5.511		9920	11426
5.555		260968	252082
5.591		61244	53323
5.615		351593	319063
5.653		11728	9686
5.708		2234	3280
5.778		2820	3362
5.819		291690	281826
5.85		43766	33954
5.876		17385	14135
5.919		1266	1093
5.957		2052	2225
5.985		33293	30409
6.042		3587	2549
6.061		10881	7750
6.09		106520	100339
6.156		17540	17211
6.218		19047	14838
6.244		61845	55934
6.292		4285	4982
6.337		437	311
6.357		577	351
6.398		577	183
6.449		14945	16673
6.513		2649	4128
6.562		5574	6348
6.597	DCB	4650	3950
6.633		13877	12998
6.683		557	268
6.763		2688	4726
6.88		6655	15942
6.967		533	291
6.993		704	356

LANCASTER LABORATORIES

Sample Number: 9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:14:39 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: 25PCBS17284001B.059.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.212		2260	7450
2.23		2744	4868
2.302		4120	3597
2.363		11816	7749
2.408		1896	2609
2.47		4153	8407
2.535		2715	5789
2.615	TCX	11999	7545
2.657		10716	10713
2.714		3177	3223
2.786		44281	32460
2.847		10600	11824
2.898		39177	30034
2.952		1588	1231
3.009		21004	14250
3.065		626	171
3.072		623	125
3.085		869	254
3.105		45226	20049
3.116		72853	38519
3.156		13428	7473
3.177		47780	28517
3.203		3703	1960
3.225		208450	134180
3.244		7896	3008
3.263		115882	68577
3.289		850	143
3.294		855	190
3.31		22295	12090
3.325		21601	10886
3.352		2538	880
3.385		337429	245467
3.404		262323	135357
3.419		78248	34741
3.434		141473	68439
3.492		142838	100040
3.527		878045	532296
3.55		1245803	660748
3.568		1076995	574217
3.628		1381	686
3.653		501287	299437
3.677		421057	226629
3.697		709341	452748
3.726		122144	64266
3.743		355469	217897
3.781		142276	122163
3.823		134527	129203
3.853		233512	139324
3.875		2405239	1548120
3.9		1214587	728393
3.919		517992	278875
3.939		629958	381990
3.974		2626181	1777959
4.005		1518123	933860

RT B	Compound B	Height B	Area B
4.022		503346	250340
4.044		204118	116915
4.083		269136	197472
4.117		850678	640590
4.138		16193	8861
4.174		1372165	984556
4.206		424639	331978
4.234		4164216	3014113
4.271		301596	274834
4.326		1899980	1605132
4.362		390994	307309
4.394		2600295	1802415
4.418		462889	310447
4.461		1998664	1674886
4.527		3751	1815
4.559		1285371	1277479
4.611		1287588	1027457
4.652		491891	418570
4.69		2891755	2555882
4.721		57216	22461
4.736		124526	65764
4.759		161619	119125
4.819		30445	38172
4.859		18712	11575
4.876		145332	101977
4.91		245514	179578
4.934		740611	563903
4.983		247150	212006
5.019		128639	106131
5.049		75150	59501
5.081		582836	401559
5.103		613187	468827
5.143		15172	9752
5.175		31474	27966
5.241		4527	3672
5.318		86720	93471
5.36		634122	639798
5.416		1550	1389
5.46		3251	2569
5.515		71979	61419
5.545		9483	5227
5.562		27240	19024
5.606		174716	133868
5.632		67080	52645
5.676		10495	10501
5.713		49393	37206
5.739		141405	110489
5.771		7808	5804
5.841		1066	2779
5.89		1150	2705
5.912		1211	1832
5.937		43163	35948
5.981		1854	1539
6.014		939	193
6.054		1292	550
6.074		14481	9876
6.097	DCB	14739	10483
6.133		38031	30689
6.16		7270	8311
6.224		9137	10474
6.253		2386	2825
6.32		1436	641
6.338		1777	1188
6.365		1454	1181
6.382		935	334
6.408		1270	1007

RT B	Compound B	Height B	Area B
6.438		1143	441
6.463		2421	1876
6.486		1106	456
6.519		1998	2797
6.556		873	964
6.599		863	1956
6.625		1531	307
6.654		1335	819
6.706		1199	1669
6.731		1226	498
6.739		1582	700
6.773		1776	1471
6.806		1499	1576
6.848		1423	749
6.888		1826	3238
6.93		2016	2001
6.984		802	550

9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082

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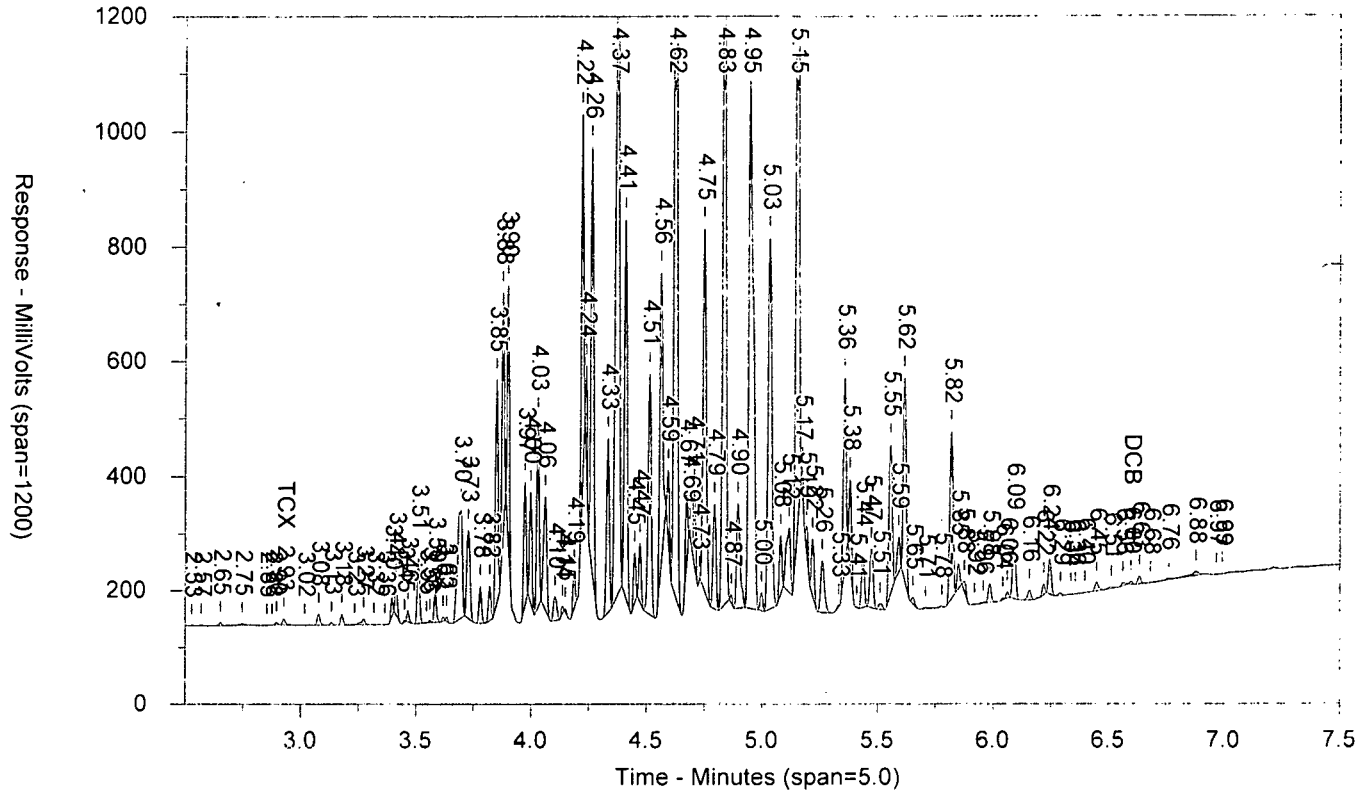

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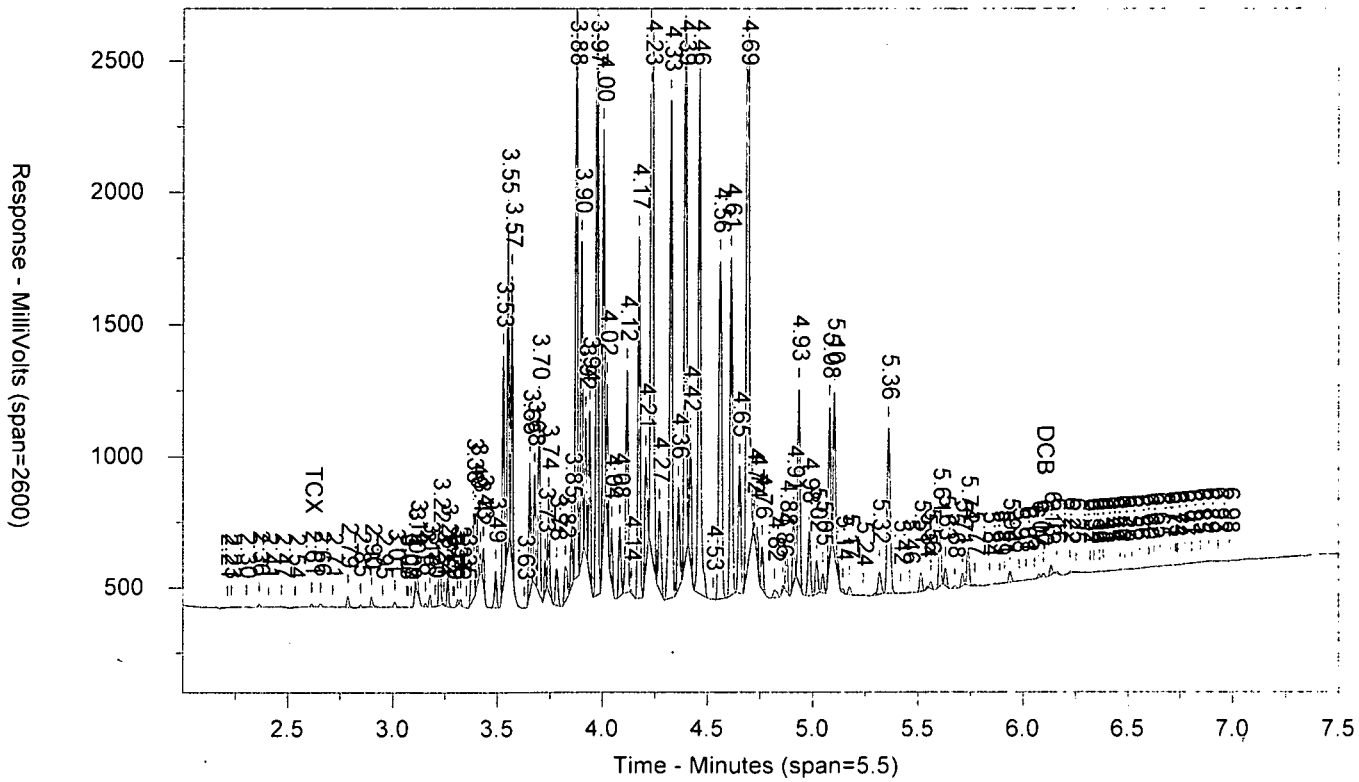


LANCASTER LABORATORIES

Sample Number: 9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:14:39 AM Sample Weight: 10.1
Instrument ID: CP25-18274 Dilution Factor: 10000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

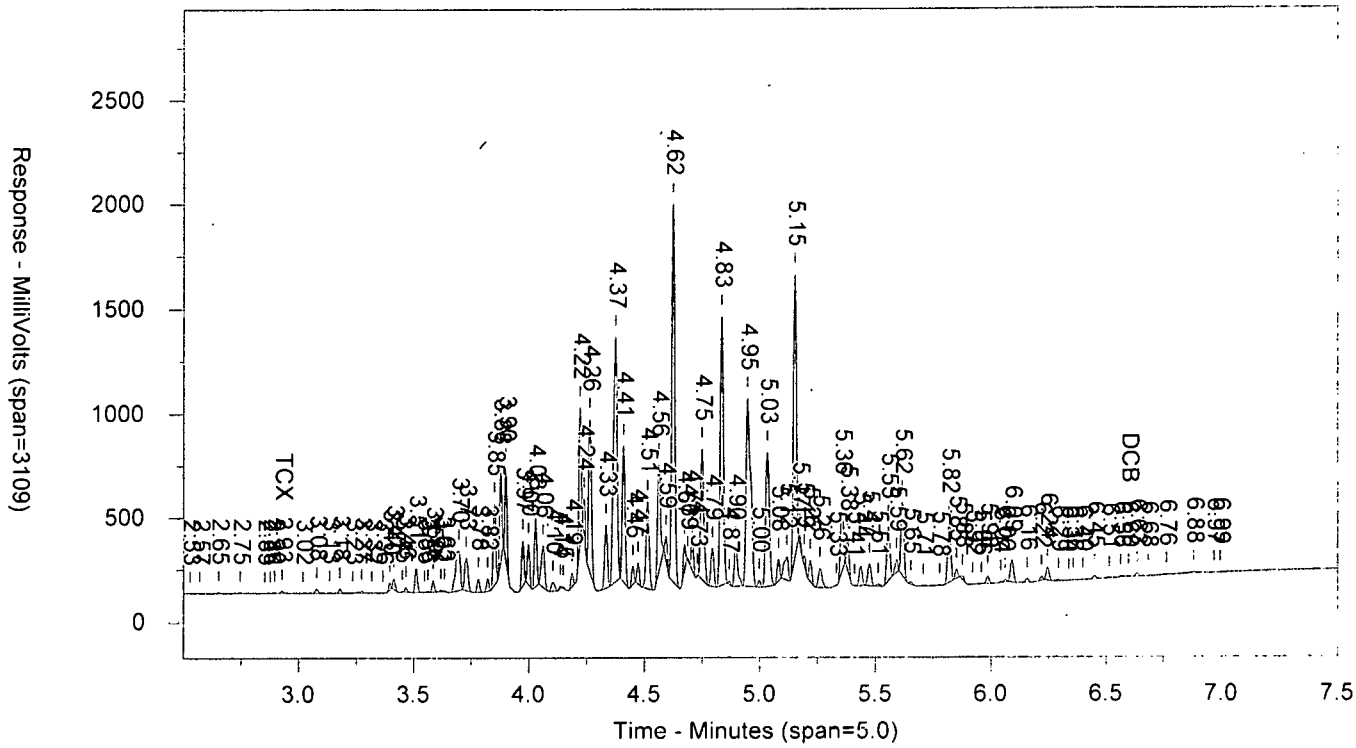
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	10755	70.579	TCX	2.615	11999	43.609	TCX
6.597	4650	47.762	DCB	6.097	14739	48.203	DCB

Files:
Area File: 25PCBS17284001.059.RAW
Area File: 25PCBS17284001B.059.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:28 PM
File Reported On: 10/12/2017 at 4:33:40 PM

9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.059.RAW



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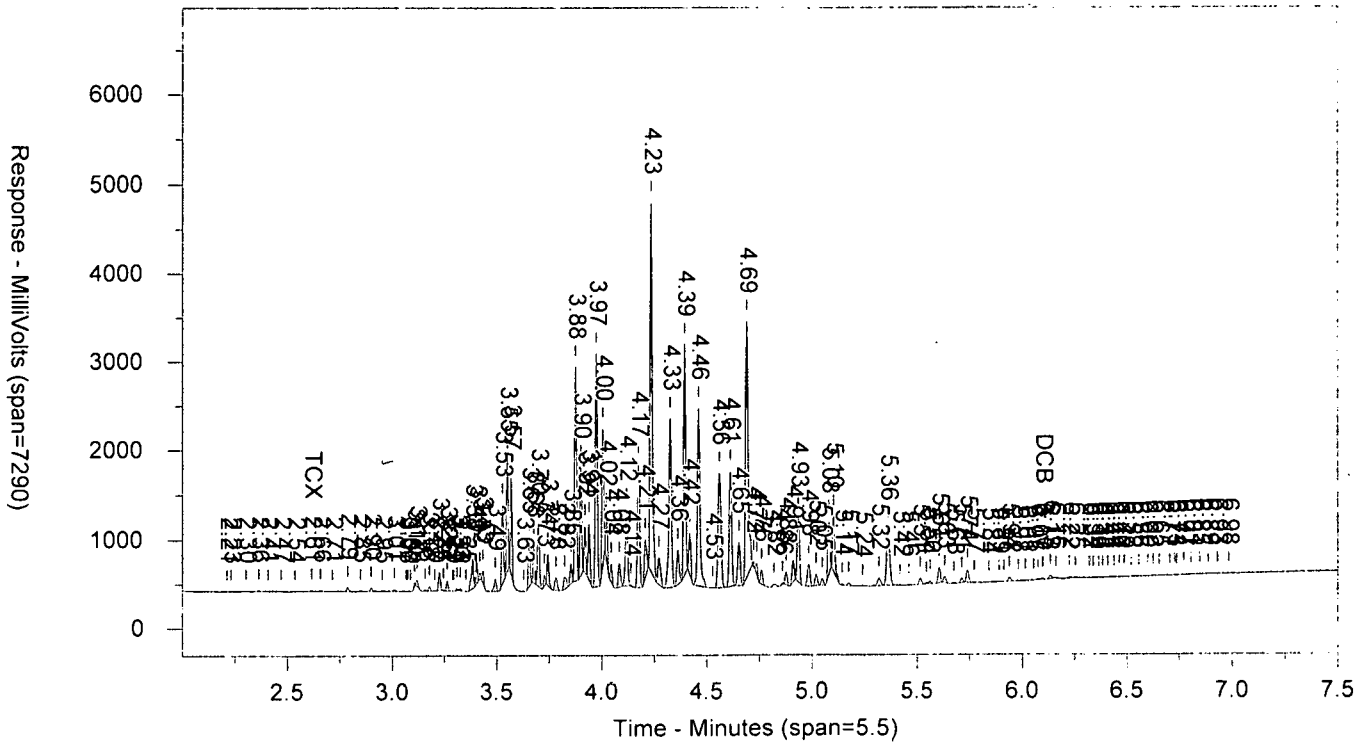

9229392 RI ACF DF100AD96A05 T 172780031A 10225 SW-846 8082

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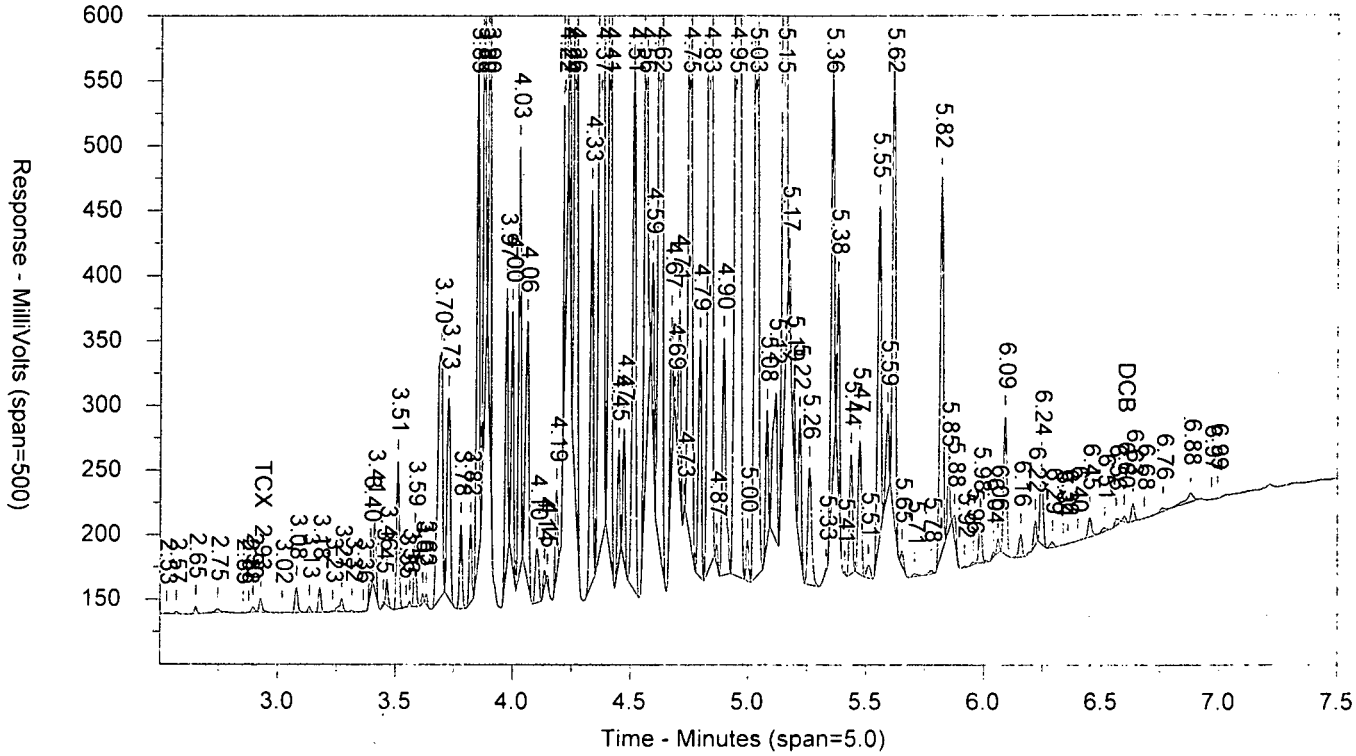

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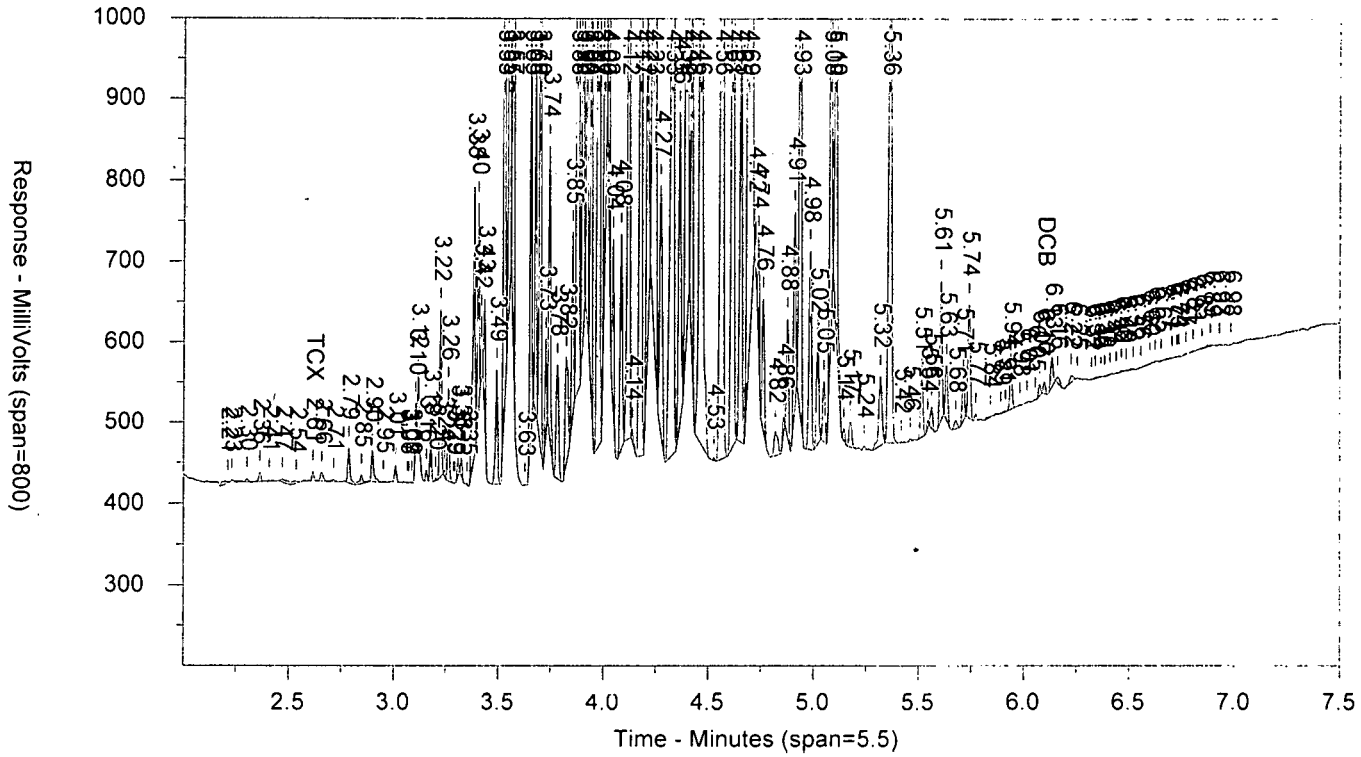

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229393 RI ACF DF100 96A06 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.11 g Total Volume: 10000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:25:56
Instrument	18274A
Result file	25PCBS17284001.060.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 158% (61 - 152) Conc: 47.6246

%SSR(DCB) 139% (48 - 164) Conc: 37.20182

Analysis Report (B)

Injected on	Oct 12, 2017 08:25:56
Instrument	18274B
Result file	25PCBS17284001B.060.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 126% (61 - 152) Conc: 38.18265

%SSR(DCB) * 169% (48 - 164) Conc: 45.33806

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	7264	47.6246
Decachlorobiphenyl	6.57	6.60	6.63	3625	37.20182

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	10517	38.18265
Decachlorobiphenyl	6.07	6.10	6.13	13876	45.33806

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	47.6246				22.01	
☑	Tetrachloro-m-xylene-D1	A	47.6246					
☑	Tetrachloro-m-xylene-D2	B	38.18265					
☐	Decachlorobiphenyl	B	45.33806				19.71	
☑	Decachlorobiphenyl-D1	A	37.20182					
☑	Decachlorobiphenyl-D2	B	45.33806					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**22.78**	
4.55	4.56	4.59	469015.2	152777.557356			1
4.61	4.63	4.65	1511275	251402.009401			2
4.73	4.75	4.77	564163.4	292090.001225			3
4.82	4.84	4.86	1079925	262999.486964			4
5.02	5.03	5.06	568460.2	190040.230826			5
5.13	5.15	5.17	1150720	274279.958725			6

Height summation: **5343558.8**

Concentration CF: **237264.874083** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.83**	
4.22	4.24	4.26	3424643	262709.697579			1
4.31	4.33	4.35	1620248	256390.226752			2
4.38	4.40	4.42	2095197	271690.790936			3
4.44	4.46	4.48	1646281	334312.635072			4
4.59	4.61	4.63	1047571	186924.09601			5
4.67	4.69	4.71	2335582	274567.833603			6

Height summation: **12169522**

Concentration CF: **264432.546659** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50445.1052	<9792.2851	D1		4	
☑	PCB-1221			<50445.1052	<15133.5316	D1		3	
☑	PCB-1232			<50445.1052	<12166.1724	D1		4	
☑	PCB-1242			<50445.1052	<12166.1724	D1		4	
☑	PCB-1248			<50445.1052	<9792.2851	D1		4	
☑	PCB-1254	B	264432.546659	50445.1052	13056.3802	D2	10.83	4	
☑	PCB-1260			<50445.1052	<11572.7006	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:58

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229393** RI ACF DF100 96A06 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.11 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274A
Result file : 25PCBS17284001.060.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *158% (61-152) Conc.: 47.6246
%SSR(DCB) : 139% (48-164) Conc.: 37.20182

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	117.96	
3.16	3.18	3.20	11818.8	4429.239106			1
3.38	3.40	3.42	18610.46	7540.318723			2
+ 3.38	3.41	3.42	15511.79	6284.844145			2
3.49	3.51	3.53	34349.89	10864.228676			3
3.71	3.73	3.75	97338.75	26970.431414			4
3.76	3.78	3.80	33094.04	10605.86561			5
3.96	3.97	4.00	155074	73845.026438			6
Height Summation:			**350285.94**				
Amount Avg CF:			**22375.851661**	Linear:			
Aroclor-1221					3	61.06	
3.06	3.08	3.10	10473.39	9195.896306			1
3.11	3.13	3.15	3225.689	3217.101761			2
3.16	3.18	3.20	11818.8	3792.989387			3
Height Summation:			**25517.879**				
Amount Avg CF:			**5401.995818**	Linear:			
Aroclor-1232					6	126.57	
3.16	3.18	3.20	11818.8	4331.62597			1
3.38	3.40	3.42	18610.46	18300.504734			2
+ 3.38	3.41	3.42	15511.79	15253.442759			2
3.49	3.51	3.53	34349.89	25013.087677			3
3.70	3.73	3.74	97338.75	58302.524919			4
3.76	3.78	3.80	33094.04	26854.163036			5
3.95	3.97	3.99	155074	184841.053962			6
Height Summation:			**350285.94**				
Amount Avg CF:			**52940.493383**	Linear:			
Aroclor-1242					6	120.81	
3.16	3.18	3.20	11818.8	3207.088861			1
3.37	3.40	3.41	18610.46	5963.43867			2
3.49	3.51	3.53	34349.89	8206.363991			3
3.70	3.73	3.74	97338.75	18721.146449			4
3.76	3.78	3.80	33094.04	8295.564671			5
3.95	3.97	3.99	155074	57402.426452			6
Height Summation:			**350285.94**				
Amount Avg CF:			**16966.004849**	Linear:			
Aroclor-1248					6	77.52	
3.71	3.73	3.75	97338.75	49420.313236			1
3.76	3.78	3.80	33094.04	19414.88499			2
3.83	3.85	3.87	287391.8	111517.076164			3
3.98	4.00	4.02	73130.38	91459.489642			4
4.04	4.06	4.08	127699.4	50591.060802			5
4.22	4.22	4.26	517310.5	213950.306085			6
+ 4.22	4.24	4.26	152791.7	63191.895355			6
Height Summation:			**1135964.87**				
Amount Avg CF:			**89392.188487**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274B
Result file : 25PCBS17284001B.060.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 126% (61-152) Conc.: 38.18265
%SSR(DCB) : *169% (48-164) Conc.: 45.33806

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	121.57	
2.88	2.90	2.92	24097.16	4983.359532			1
3.21	3.23	3.25	65262.26	11146.000008			2
+ 3.21	3.24	3.25	5916.822	1010.521212			2
+ 3.40	3.40	3.44	76889.49	13378.438842			3
3.40	3.42	3.44	108976.2	18961.387661			3
3.47	3.49	3.51	78091.66	12356.885807			4
3.53	3.55	3.57	686974	130664.576855			5
+ 3.53	3.57	3.57	252915.3	48105.271313			5
3.64	3.66	3.68	342635.7	64535.105604			6
Height Summation:			**1306036.98**				
Amount Avg CF:			**40441.219245**	Linear:			
Aroclor-1221					3	54.21	
2.77	2.79	2.81	26722.72	11494.680959			1
2.83	2.85	2.87	7859.189	5593.913005			2
2.88	2.90	2.92	24097.16	4245.697071			3
Height Summation:			**58679.069**				
Amount Avg CF:			**7111.430345**	Linear:			
Aroclor-1232					6	134.64	
2.88	2.90	2.92	24097.16	4676.655865			1
3.21	3.23	3.25	65262.26	25186.319746			2
+ 3.21	3.24	3.25	5916.822	2283.447903			2
+ 3.40	3.40	3.44	76889.49	30067.843559			3
3.40	3.42	3.44	108976.2	42615.438512			3
3.47	3.49	3.51	78091.66	29641.342086			4
E 3.53	3.55	3.57	686974	382852.105404			5
+ 3.53	3.57	3.57	252915.3	140950.247162			5
3.63	3.66	3.67	342635.7	166728.110614			6
Height Summation:			**1306036.98**				
Amount Avg CF:			**108616.662038**	Linear:			
Aroclor-1242					6	132.11	
2.88	2.90	2.92	24097.16	3805.862531			1
3.21	3.23	3.25	65262.26	8561.876991			2
+ 3.21	3.24	3.25	5916.822	776.238858			2
+ 3.40	3.40	3.44	76889.49	9152.839108			3
3.40	3.42	3.44	108976.2	12972.405269			3
3.47	3.49	3.51	78091.66	9402.556059			4
3.53	3.55	3.57	686974	117195.297255			5
+ 3.53	3.57	3.57	252915.3	43146.44188			5
+ 3.63	3.63	3.67	1870.013	264.423569			6
3.63	3.66	3.67	342635.7	48449.37165			6
Height Summation:			**1306036.98**				
Amount Avg CF:			**33397.894959**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229393** RI ACF DF100 96A06 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.11 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274A
Result file : 25PCBS17284001.060.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	22.78	
4.55	4.56	4.59	469015.2	152777.557356			1
4.61	4.63	4.65	1511275	251402.009401			2
4.73	4.75	4.77	564163.4	292090.001225			3
4.82	4.84	4.86	1079925	262999.486964			4
5.02	5.03	5.06	568460.2	190040.230826			5
5.13	5.15	5.17	1150720	274279.958725			6
Height Summation:			**5343558.8**				
Amount Avg CF:			**237264.874083**	Linear:			
Aroclor-1260					6	66.41	
4.73	4.75	4.77	564163.4	119447.005843			1
4.93	4.95	4.97	758594.1	138931.934377			2
5.13	5.15	5.17	1150720	173807.973376			3
5.36	5.38	5.40	125429.3	35629.400736			4
5.60	5.62	5.64	307654.7	35017.429337			5
5.80	5.82	5.84	245981.1	44358.731321			6
Height Summation:			**3152542.6**				
Amount Avg CF:			**91198.745832**	Linear:			
Aroclor-1262					6	53.90	
5.20	5.22	5.24	90029.84	16331.592761			1
5.36	5.38	5.40	125429.3	26104.57432			2
5.60	5.62	5.64	307654.7	28293.213486			3
5.80	5.82	5.84	245981.1	34333.633659			4
5.86	5.88	5.90	14486.93	4275.390484			5
6.23	6.25	6.27	56064.08	13676.709538			6
Height Summation:			**839645.95**				
Amount Avg CF:			**20502.519041**	Linear:			
Aroclor-1268					6	115.02	
5.80	5.82	5.84	245981.1	19930.690554			1
5.86	5.88	5.90	14486.93	1302.66315			2
5.99	6.01	6.03	1027.415	99.314697			3
+ 6.06	6.06	6.10	9787.621	3397.794725			4
6.06	6.09	6.10	84168.55	29219.302138			4
6.23	6.25	6.27	56064.08	12488.133534			5
6.43	6.45	6.47	12569.89	365.695309			6
Height Summation:			**414297.965**				
Amount Avg CF:			**10567.63323**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274B
Result file : 25PCBS17284001B.060.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	99.07	
+ 3.40	3.40	3.44	76889.49	26441.102539			1
3.40	3.42	3.44	108976.2	37475.224228			1
3.47	3.49	3.51	78091.66	22324.329409			2
3.51	3.53	3.55	637121	111100.571658			3
3.64	3.66	3.68	342635.7	48789.704671			4
+ 3.73	3.73	3.77	120961.8	24843.668963			5
3.73	3.74	3.77	203411.6	41777.573198			5
3.86	3.88	3.90	2065506	241234.185107			6
Height Summation:			**3435742.16**				
Amount Avg CF:			**83783.598045**	Linear:			
Aroclor-1254					6	17.83	
4.22	4.24	4.26	3424643	262709.697579			1
4.31	4.33	4.35	1620248	256390.226752			2
4.38	4.40	4.42	2095197	271690.790936			3
4.44	4.46	4.48	1646281	334312.635072			4
4.59	4.61	4.63	1047571	186924.09601			5
4.67	4.69	4.71	2335582	274567.833603			6
Height Summation:			**12169522**				
Amount Avg CF:			**264432.546659**	Linear:			
Aroclor-1260					6	66.18	
4.31	4.33	4.35	1620248	146582.218051			1
4.44	4.46	4.48	1646281	138845.341562			2
4.55	4.56	4.59	1203452	122248.735692			3
4.89	4.91	4.93	224512.8	29371.855086			4
5.09	5.10	5.13	541226.6	31265.979926			5
5.34	5.36	5.38	542999.8	42478.14025			6
Height Summation:			**5778720.2**				
Amount Avg CF:			**85132.045094**	Linear:			
Aroclor-1262					6	55.45	
+ 4.70	4.72	4.74	53343.09	4502.870608			1
4.70	4.74	4.74	115362.1	9738.104961			1
4.89	4.91	4.93	224512.8	20039.845385			2
5.08	5.10	5.12	541226.6	23161.228408			3
5.30	5.32	5.34	77472.96	8355.489093			4
5.34	5.36	5.38	542999.8	34205.566838			5
5.72	5.74	5.76	126954.1	11866.147729			6
Height Summation:			**1628528.36**				
Amount Avg CF:			**17894.397069**	Linear:			
Aroclor-1268					5	109.87	
5.30	5.32	5.34	77472.96	2805.462277			1
5.35	5.36	5.39	542999.8	19369.042432			2
5.50	5.52	5.54	61679.87	2413.972109			3
5.72	5.74	5.76	126954.1	11312.099195			5
5.92	5.94	5.96	36861.86	361.419331			6
Height Summation:			**845968.59**				
Amount Avg CF:			**7252.399069**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229393** RI ACF DF100 96A06 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.11 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274A
Result file : 25PCBS17284001.060.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:25:56
Instrument : CP25--18274B
Result file : 25PCBS17284001B.060.RAW
Calibration file : 25PCBS1728401B.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			50445.1052	9792.2851		** 57.52	4	40	
Aroclor-1221			50445.1052	15133.5316		27.32	3	5	
Aroclor-1232			50445.1052	12166.1724		** 68.92	4	10	
Aroclor-1242			50445.1052	12166.1724		** 65.25	4	30	
Aroclor-1248			50445.1052	9792.2851		6.48	4	40	
Aroclor-1254			50445.1052	13056.3802		10.83	4	40	
Aroclor-1260			50445.1052	11572.7006		6.88	4	40	
Aroclor-1262			50445.1052	9792.2851		13.59	4	40	
Aroclor-1268			50445.1052	9792.2851		37.21	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:25:56 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: 25PCBS17284001.060.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.009		336	107
2.036		10205	10280
2.088		4276	7563
2.171		698	302
2.204		3341	3254
2.301		328	360
2.33		892	709
2.369		1043	870
2.386		809	1125
2.49		6804	6772
2.529		1039	1132
2.569		1131	675
2.652		2096	2630
2.747		2929	6257
2.896		4890	4781
2.928	TCX	7264	6669
3.036		804	582
3.078		10473	10181
3.134		3226	2702
3.179		11819	8793
3.259		2516	1806
3.316		952	761
3.396		18610	10628
3.414		15512	12872
3.466		19761	15799
3.511		34350	26390
3.545		624	534
3.563		3559	1892
3.586		44461	33050
3.62		2729	1360
3.636		2791	1485
3.699		52512	64966
3.727		97339	81394
3.782		33094	25561
3.823		17425	12846
3.852		287392	216409
3.879		202388	156953
3.901		74893	40875
3.927		4391	2392
3.975		155074	112055
3.999		73130	50176
4.03		132736	97458
4.062		127699	137744
4.104		24525	24756
4.15		15006	19685
4.188		29299	19838
4.224		517311	366641
4.24		152792	74117
4.266		385297	341336
4.335		242051	206025
4.376		1006843	1100866
4.411		517347	448170
4.451		53511	37261
4.473		81435	61385

RT A	Compound A	Height A	Area A
4.514		391096	361956
4.564		469015	419418
4.595		108663	72604
4.626		1511275	1367784
4.675		93982	70524
4.69		18051	7081
4.709		119639	88232
4.75		564163	576617
4.796		129663	119871
4.837		1079925	1023813
4.868		13048	7429
4.897		156412	166779
4.949		758594	1122823
5		28251	21593
5.034		568460	632859
5.082		87126	68206
5.106		21449	13507
5.118		47846	34165
5.152		1150720	1028551
5.174		36906	15785
5.193		40750	26841
5.219		90030	73872
5.262		83682	91042
5.332		3463	2148
5.357		290767	255685
5.381		125429	98416
5.412		2399	1127
5.438		81848	73521
5.475		92275	87162
5.513		10391	11929
5.556		220362	207984
5.591		54908	48932
5.617		307655	282242
5.654		10625	9209
5.716		1934	2591
5.777		2656	2521
5.821		245981	241806
5.851		35495	26822
5.876		14487	13451
5.931		382	669
5.957		2650	2680
5.986		25917	23267
6.011		1027	516
6.042		2933	2106
6.063		9788	6795
6.091		84169	80850
6.157		13435	13862
6.194		1293	946
6.22		13514	10633
6.247		56064	51677
6.291		4201	5184
6.386		523	1748
6.402		623	227
6.449		12570	13263
6.514		2999	4708
6.564		2765	2127
6.577		751	250
6.597	DCB	3625	3092
6.634		10403	10197
6.687		866	700
6.707		867	604
6.765		3254	5441
6.882		5508	11343
6.926		490	417
6.974		514	413

LANCASTER LABORATORIES

Sample Number: 9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:25:56 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: 25PCBS17284001B.060.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.116		1735	2325
2.157		4522	4979
2.216		1379	7633
2.236		1759	1705
2.273		1959	1642
2.303		3297	2394
2.364		4310	4024
2.544		3002	7518
2.614	TCX	10517	7337
2.659		6517	6629
2.718		3245	4714
2.786		26723	20788
2.848		7859	11510
2.899		24097	19238
2.953		1684	1212
3.009		7001	5606
3.062		573	95
3.076		355	58
3.081		1042	786
3.106		28715	13413
3.117		21151	14227
3.157		4041	1963
3.178		38817	23258
3.204		2345	944
3.227		65262	41938
3.245		5917	2201
3.264		91491	55981
3.294		934	187
3.31		9772	5006
3.327		11162	6409
3.353		2756	1152
3.385		69110	54840
3.405		76889	37836
3.42		108976	96576
3.494		78092	53139
3.528		637121	394116
3.551		686974	384062
3.569		252915	128936
3.585		5427	2832
3.634		1870	1413
3.655		342636	216785
3.678		164019	86666
3.699		290605	192826
3.728		120962	65905
3.744		203412	115629
3.783		81355	72230
3.825		86973	78979
3.855		103138	61857
3.876		2065506	1352377
3.902		598651	348798
3.921		372068	193308
3.94		511463	311396
3.975		2256206	1533619
4.006		1171031	723666

RT B	Compound B	Height B	Area B
4.024		418877	217593
4.046		117018	69083
4.085		211337	149654
4.119		776765	590022
4.14		9517	7865
4.176		1258730	892140
4.208		363350	286147
4.235		3424643	2535868
4.273		282577	246118
4.327		1620248	1383804
4.364		295622	226881
4.396		2095197	1452741
4.42		410809	263372
4.462		1646281	1409062
4.56		1203452	1156045
4.613		1047571	856915
4.653		419819	358850
4.691		2335582	2145310
4.723		53343	19919
4.738		115362	61676
4.761		142994	106542
4.821		25358	30764
4.861		16485	10168
4.878		111729	79118
4.911		224513	160957
4.935		651624	492856
4.985		219491	181515
5.02		110878	91859
5.05		62967	49221
5.082		454356	324825
5.104		541227	406408
5.145		12151	7467
5.176		26621	23043
5.238		3037	4422
5.319		77473	83833
5.361		543000	545923
5.463		2902	2998
5.516		61680	51896
5.547		5834	3414
5.563		23375	15603
5.607		135696	100898
5.634		59207	46924
5.678		9635	9249
5.714		39781	28430
5.741		126954	99516
5.774		7357	5485
5.799		1839	995
5.822		2187	1049
5.872		1871	3055
5.94		36862	34899
5.986		1463	1938
6.024		1583	1800
6.056		1128	1072
6.077		10975	7463
6.098	DCB	13876	10067
6.136		25583	21488
6.161		9805	10856
6.231		5489	7755
6.249		1777	740
6.3		2737	1433
6.388		1125	2669
6.436		1713	2731
6.473		2211	1861
6.491		988	349
6.52		1995	2724
6.575		1533	565

RT B	Compound B	Height B	Area B
6.595		1125	749
6.625		747	1114
6.673		1379	1259
6.726		695	715
6.736		1279	559
6.775		1514	1347
6.789		1614	413
6.81		1236	1011
6.846		2086	2014
6.877		1073	579
6.888		1151	485
6.916		1179	1253
6.969		1099	1328
6.989		1418	464

9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082

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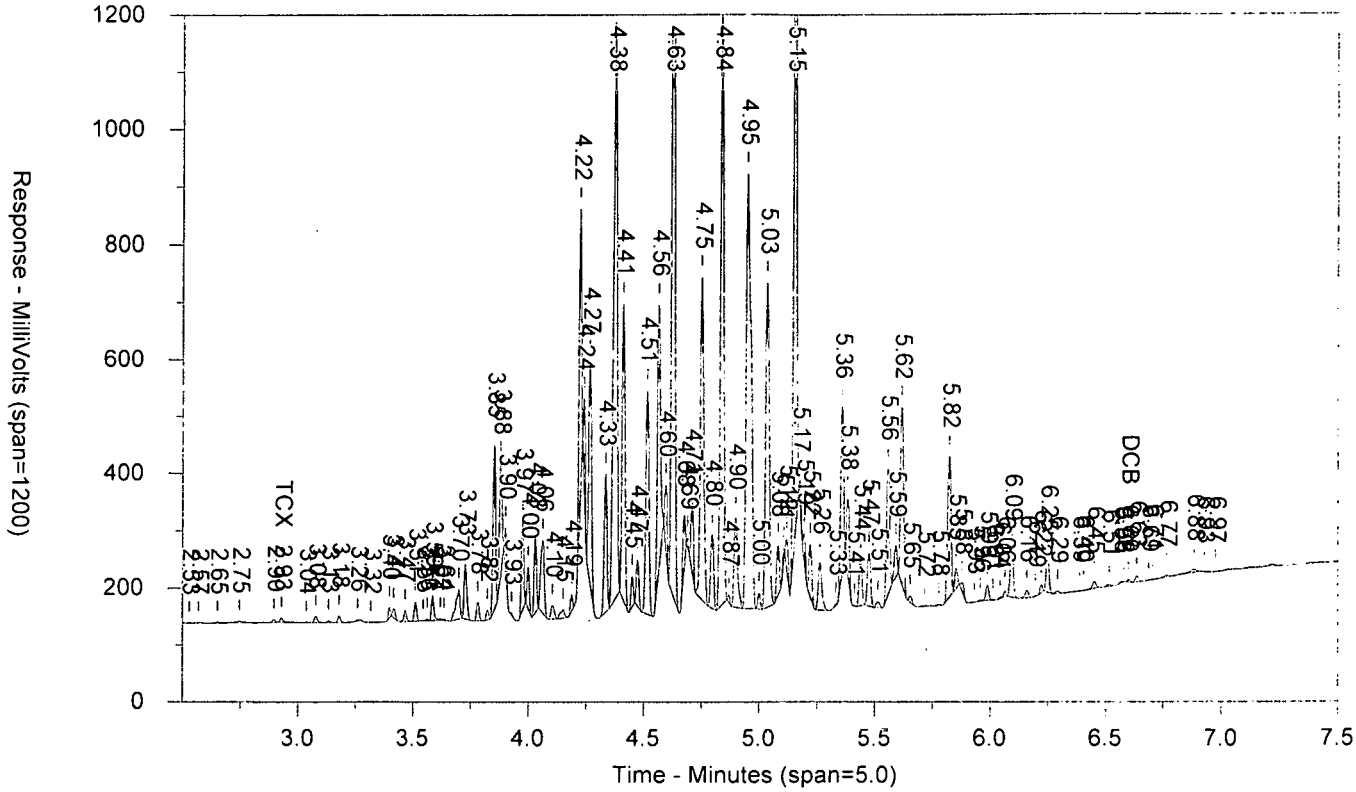

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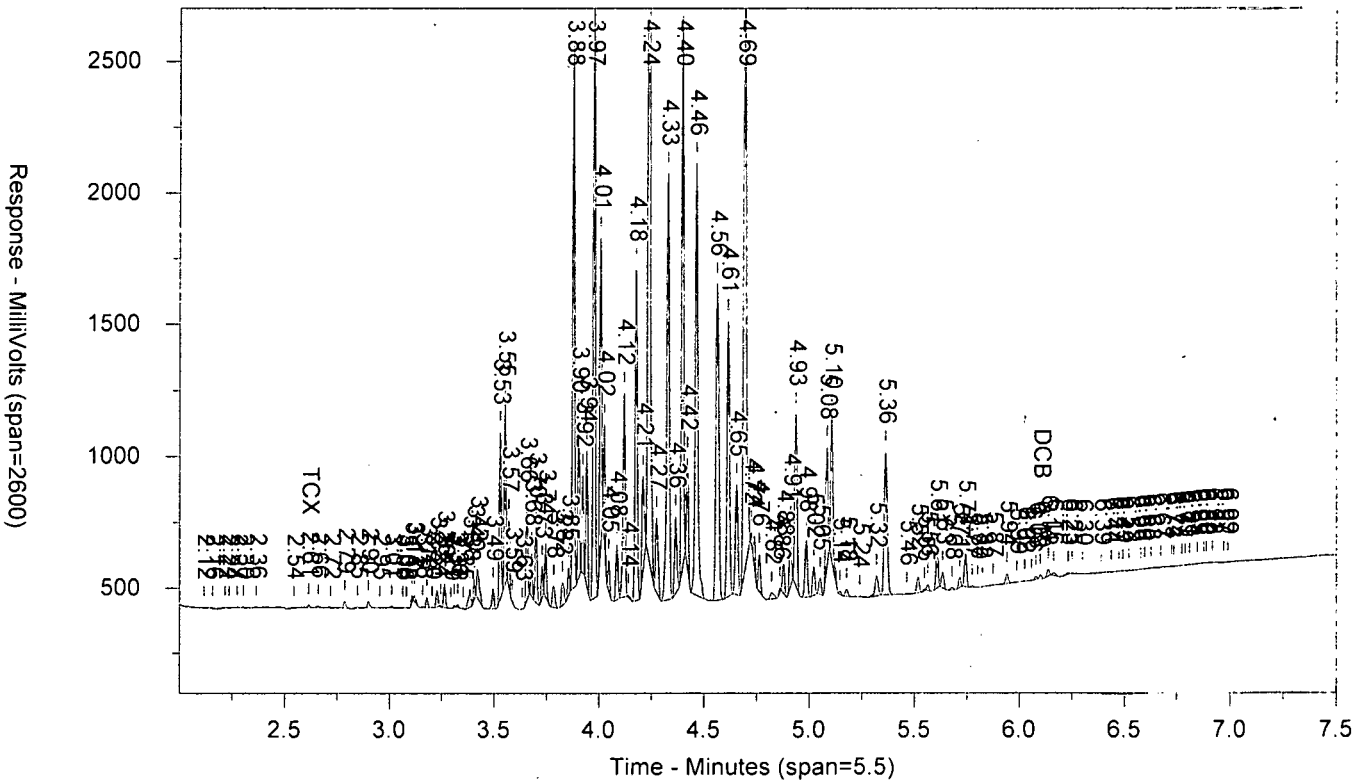

LANCASTER LABORATORIES

Sample Number: 9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:25:56 AM Sample Weight: 10.11
Instrument ID: CP25-18274 Dilution Factor: 10000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	7264	47.625	TCX	2.614	10517	38.183	TCX
6.597	3625	37.202	DCB	6.098	13876	45.338	DCB

Files:
Area File: 25PCBS17284001.060.RAW
Area File: 25PCBS17284001B.060.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:29 PM
File Reported On: 10/12/2017 at 4:33:54 PM

9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082

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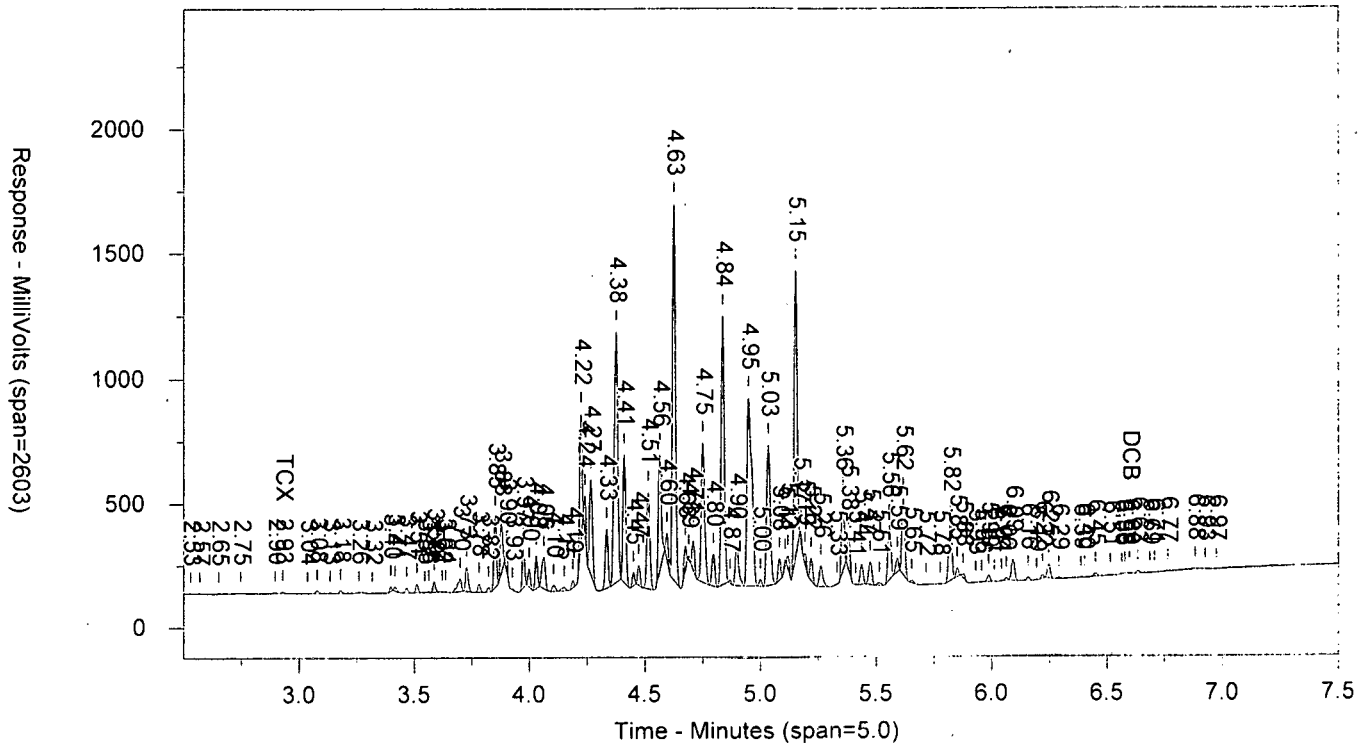

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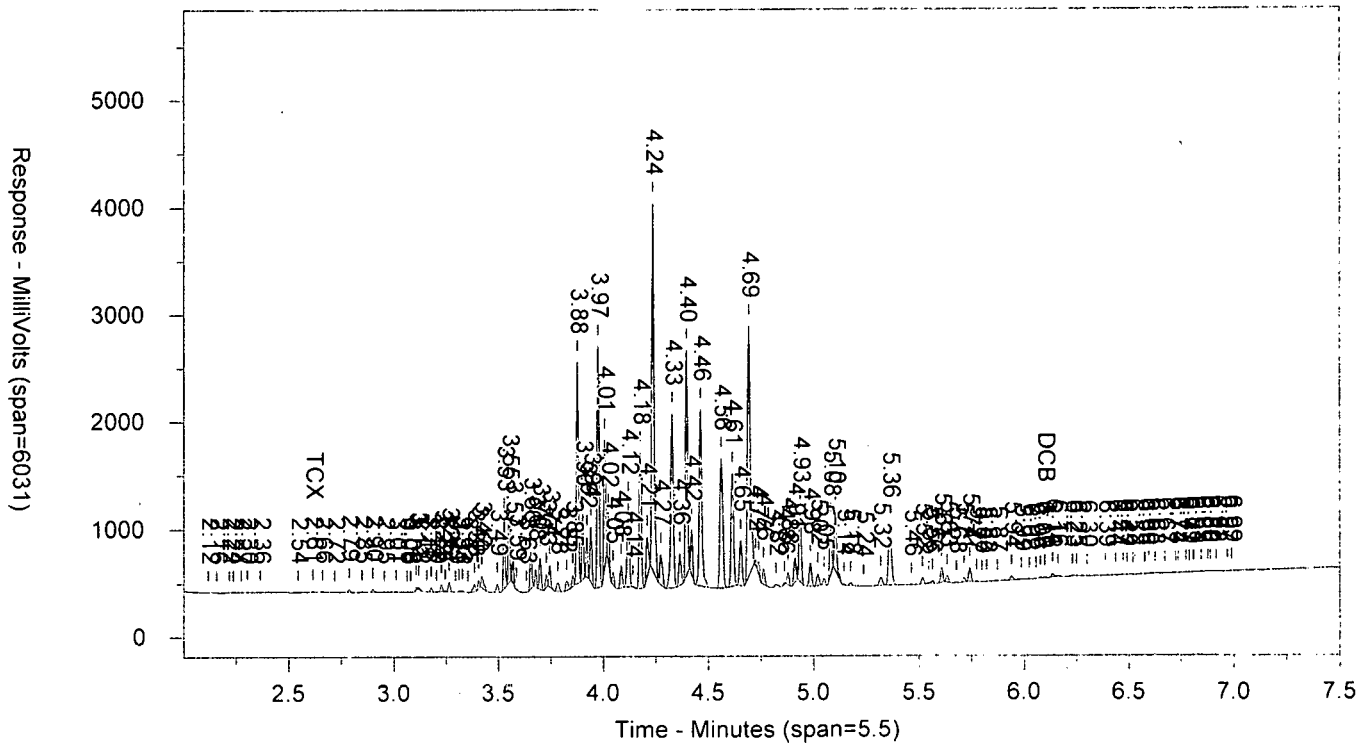

9229393 RI ACF DF100AD96A06 T 172780031A 10225 SW-846 8082

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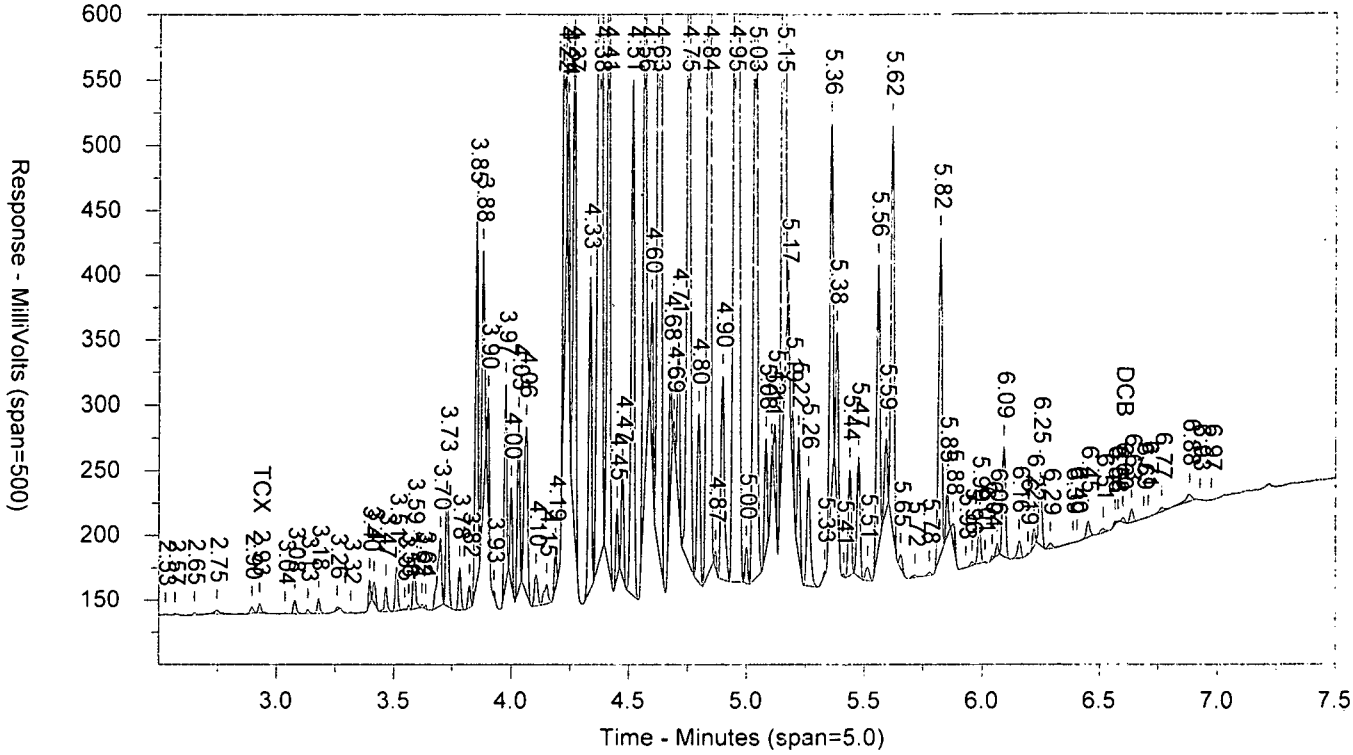

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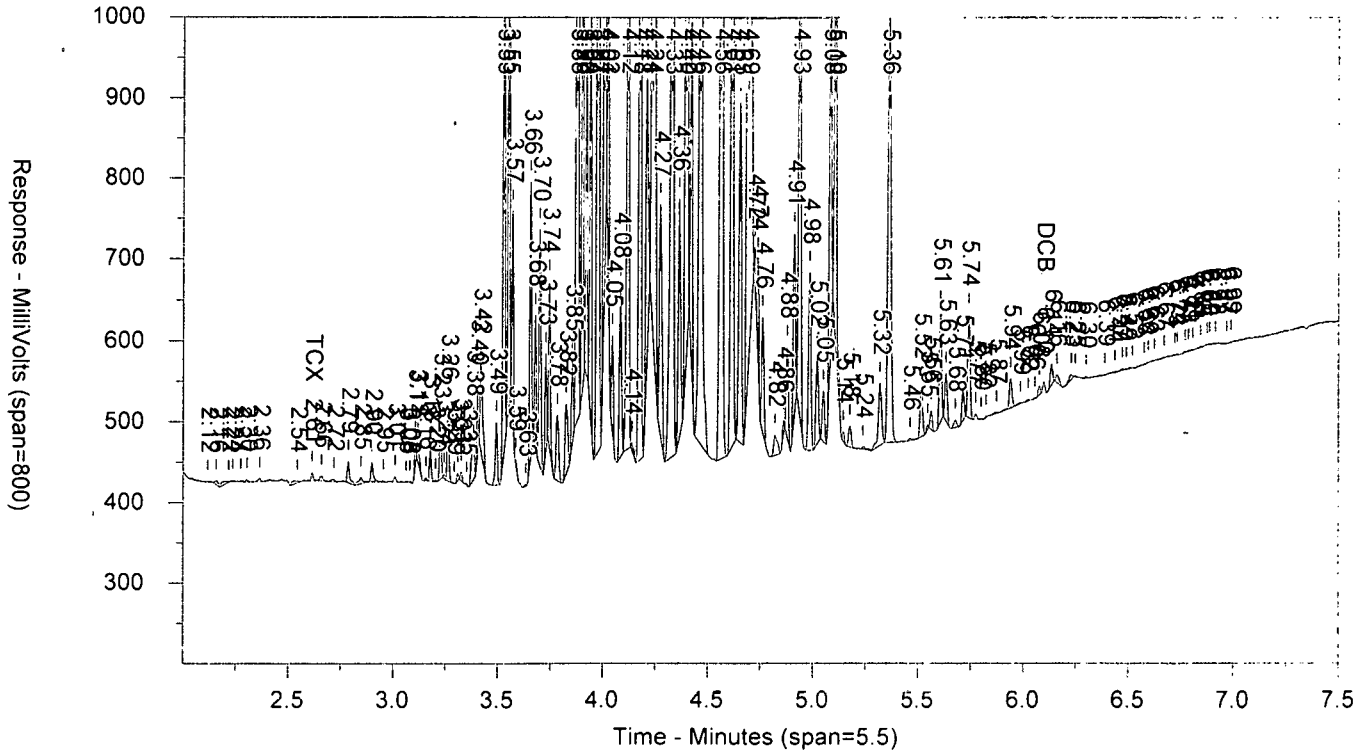

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229394 RI ACF DF100 96A07 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.09 g Total Volume: 10000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:37:42
Instrument	18274A
Result file	25PCBS17284001.061.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 223% (61 - 152) Conc: 67.47995

%SSR(DCB) 142% (48 - 164) Conc: 38.10241

Analysis Report (B)

Injected on	Oct 12, 2017 08:37:42
Instrument	18274B
Result file	25PCBS17284001B.061.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 123% (61 - 152) Conc: 37.26823

%SSR(DCB) 153% (48 - 164) Conc: 41.10293

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	10272	67.47995
Decachlorobiphenyl	6.57	6.60	6.63	3706	38.10241

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	10245	37.26823
Decachlorobiphenyl	6.07	6.10	6.13	12555	41.10293

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	37.26823			P	57.68	
☑	Tetrachloro-m-xylene-D1	A	67.47995					
☑	Tetrachloro-m-xylene-D2	B	37.26823					
☐	Decachlorobiphenyl	B	41.10293				7.58	
☑	Decachlorobiphenyl-D1	A	38.10241					
☑	Decachlorobiphenyl-D2	B	41.10293					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.14**	
4.55	4.57	4.59	399387.2	130354.724411			1
4.61	4.63	4.65	1542764	257148.936145			2
4.73	4.75	4.77	573647.6	297589.054029			3
4.82	4.84	4.86	1082713	264201.115467			4
5.02	5.04	5.06	546784.6	183156.252669			5
5.13	5.16	5.17	1130629	270025.341555			6

Height summation: **5275925.4**

Concentration CF: **233745.904046** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**20.50**	
4.22	4.24	4.26	3254910	250184.138943			1
4.31	4.33	4.35	1626583	257902.879317			2
4.38	4.40	4.42	2218843	288294.672881			3
4.44	4.46	4.48	1759855	358084.646684			4
4.59	4.62	4.63	1054323	188501.795731			5
4.67	4.69	4.71	2386618	281123.68608			6

Height summation: **12301132**

Concentration CF: **270681.969939** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<50545.0923	<9811.6944	D1		4	
☑	PCB-1221			<50545.0923	<15163.5277	D1		3	
☑	PCB-1232			<50545.0923	<12190.287	D1		4	
☑	PCB-1242			<50545.0923	<12190.287	D1		4	
☑	PCB-1248			<50545.0923	<9811.6944	D1		4	
☑	PCB-1254	B	270681.969939	50545.0923	13082.2592	D2	14.64	4	
☑	PCB-1260			<50545.0923	<11595.6388	D1		4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:59

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229394** RI ACF DF100 96A07 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.061.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *223% (61-152) Conc.: 67.47995
%SSR(DCB) : 142% (48-164) Conc.: 38.10241

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	85.01	
3.16	3.18	3.20	18885.24	7091.502166			1
3.38	3.40	3.42	30616.78	12429.45535			2
3.49	3.51	3.53	119844.4	37979.678356			3
3.71	3.73	3.75	148104.7	41117.903096			4
3.76	3.79	3.80	58568.61	18807.074231			5
3.96	3.98	4.00	178995.2	85405.066528			6
Height Summation:			555014.93				
Amount Avg CF:			33805.113288	Linear:			
Aroclor-1221					3	71.39	
3.06	3.08	3.10	18975.09	16693.62385			1
3.11	3.14	3.15	4752.663	4749.406203			2
3.16	3.18	3.20	18885.24	6072.824656			3
Height Summation:			42612.993				
Amount Avg CF:			9171.95157	Linear:			
Aroclor-1232					6	92.68	
3.16	3.18	3.20	18885.24	6935.217136			1
3.38	3.40	3.42	30616.78	30166.537362			2
3.49	3.51	3.53	119844.4	87441.920914			3
3.70	3.73	3.74	148104.7	88885.399461			4
3.76	3.79	3.80	58568.61	47619.709339			5
E 3.95	3.98	3.99	178995.2	213776.922728			6
Height Summation:			555014.93				
Amount Avg CF:			79137.617823	Linear:			
Aroclor-1242					6	86.96	
3.16	3.18	3.20	18885.24	5134.759507			1
3.37	3.40	3.41	30616.78	9830.127533			2
3.49	3.51	3.53	119844.4	28688.190775			3
3.70	3.73	3.74	148104.7	28541.415364			4
3.76	3.79	3.80	58568.61	14710.284507			5
3.95	3.98	3.99	178995.2	66388.466312			6
Height Summation:			555014.93				
Amount Avg CF:			25548.874	Linear:			
Aroclor-1248					6	66.53	
3.71	3.73	3.75	148104.7	75343.980207			1
3.76	3.79	3.80	58568.61	34427.853098			2
3.83	3.85	3.87	335350.3	130384.417266			3
3.98	4.00	4.02	191107.4	239479.551906			4
4.04	4.07	4.08	177281.4	70373.328263			5
4.22	4.23	4.26	548791.1	227420.006492			6
+ 4.22	4.24	4.26	147677.8	61197.942596			6
Height Summation:			1459203.51				
Amount Avg CF:			129571.522872	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.061.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 123% (61-152) Conc.: 37.26823
%SSR(DCB) : 153% (48-164) Conc.: 41.10293

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	115.16	
2.88	2.90	2.92	39749.17	8236.532451			1
3.21	3.23	3.25	216490	37047.146241			2
+ 3.21	3.24	3.25	8001.419	1369.253729			2
3.40	3.41	3.44	273639.4	47706.447343			3
+ 3.40	3.42	3.44	71514.12	12467.812018			3
+ 3.40	3.44	3.44	150712.7	26275.337128			3
3.47	3.50	3.51	124271.8	19703.208667			4
3.53	3.55	3.57	1160272	221124.756166			5
+ 3.53	3.57	3.57	1091337	207987.116831			5
3.64	3.66	3.68	396765	74878.434832			6
Height Summation:			2211187.37				
Amount Avg CF:			68116.087616	Linear:			
Aroclor-1221					3	60.39	
2.77	2.79	2.81	43609.06	18795.460703			1
2.83	2.85	2.87	10395.2	7413.628403			2
2.88	2.90	2.92	39749.17	7017.318633			3
Height Summation:			93753.43				
Amount Avg CF:			11075.469247	Linear:			
Aroclor-1232					6	130.81	
2.88	2.90	2.92	39749.17	7729.610425			1
3.21	3.23	3.25	216490	83714.450946			2
+ 3.21	3.24	3.25	8001.419	3094.066231			2
3.40	3.41	3.44	273639.4	107219.535281			3
+ 3.40	3.42	3.44	71514.12	28021.223232			3
+ 3.40	3.44	3.44	150712.7	59053.431834			3
3.47	3.50	3.51	124271.8	47263.489958			4
E 3.53	3.55	3.57	1160272	647903.819783			5
3.63	3.66	3.67	396765	193450.368577			6
Height Summation:			2211187.37				
Amount Avg CF:			181213.545828	Linear:			
Aroclor-1242					6	127.71	
2.88	2.90	2.92	39749.17	6290.356944			1
3.21	3.23	3.25	216490	28458.0216			2
+ 3.21	3.24	3.25	8001.419	1051.801722			2
3.40	3.41	3.44	273639.4	32638.295253			3
+ 3.40	3.42	3.44	71514.12	8529.835116			3
+ 3.40	3.44	3.44	150712.7	17976.232958			3
3.47	3.50	3.51	124271.8	14992.493004			4
E 3.53	3.55	3.57	1160272	198330.581654			5
3.63	3.66	3.67	396765	56214.568548			6
Height Summation:			2211187.37				
Amount Avg CF:			56154.052834	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229394** RI ACF DF100 96A07 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.061.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	27.14	
4.55	4.57	4.59	399387.2	130354.724411			1
4.61	4.63	4.65	1542764	257148.936145			2
4.73	4.75	4.77	573647.6	297589.054029			3
4.82	4.84	4.86	1082713	264201.115467			4
5.02	5.04	5.06	546784.6	183156.252669			5
5.13	5.16	5.17	1130629	270025.341555			6
Height Summation:			**5275925.4**				
Amount Avg CF:			**233745.904046**	Linear:			
Aroclor-1260					6	64.27	
4.73	4.75	4.77	573647.6	121695.783239			1
4.93	4.95	4.97	793307.6	145577.489668			2
5.13	5.16	5.17	1130629	171111.872679			3
5.36	5.38	5.40	137444.4	39119.79393			4
5.60	5.62	5.64	315475.4	35978.760368			5
5.80	5.82	5.84	257822.3	46586.259883			6
Height Summation:			**3208326.3**				
Amount Avg CF:			**93344.993294**	Linear:			
Aroclor-1262					6	72.77	
5.20	5.22	5.24	92490.8	16811.272541			1
5.36	5.36	5.40	284352.2	59297.201723			2
+ 5.36	5.38	5.40	137444.4	28661.878869			2
5.60	5.62	5.64	315475.4	29069.945091			3
5.80	5.82	5.84	257822.3	36057.739541			4
5.86	5.88	5.90	14562.42	4306.187803			5
6.23	6.25	6.27	61022.72	14915.86606			6
Height Summation:			**1025725.84**				
Amount Avg CF:			**26743.03546**	Linear:			
Aroclor-1268					6	117.11	
5.80	5.82	5.84	257822.3	20931.534832			1
5.86	5.88	5.90	14562.42	1312.046745			2
5.99	6.01	6.03	1125.867	109.047245			3
+ 6.06	6.06	6.10	9712.318	3378.336277			4
6.06	6.09	6.10	95533.72	33230.484412			4
6.23	6.25	6.27	61022.72	13619.601018			5
6.43	6.45	6.47	13448.06	392.019382			6
Height Summation:			**443515.087**				
Amount Avg CF:			**11599.122272**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.061.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	69.38	
3.40	3.41	3.44	273639.4	94286.865668			1
+ 3.40	3.42	3.44	71514.12	24641.342679			1
+ 3.40	3.44	3.44	150712.7	51930.489905			1
3.47	3.50	3.51	124271.8	35596.421909			2
3.51	3.53	3.55	718205.2	125488.205289			3
3.64	3.66	3.68	396765	56609.448261			4
+ 3.73	3.73	3.77	114848.8	23634.909521			5
3.73	3.75	3.77	317036.1	65243.342015			5
3.86	3.88	3.90	1957499	229073.013295			6
Height Summation:			**3787416.5**				
Amount Avg CF:			**101049.549406**	Linear:			
Aroclor-1254					6	20.50	
4.22	4.24	4.26	3254910	250184.138943			1
4.31	4.33	4.35	1626583	257902.879317			2
4.38	4.40	4.42	2218843	288294.672881			3
4.44	4.46	4.48	1759855	358084.646684			4
4.59	4.62	4.63	1054323	188501.795731			5
4.67	4.69	4.71	2386618	381123.68608			6
Height Summation:			**12301132**				
Amount Avg CF:			**270681.969939**	Linear:			
Aroclor-1260					6	65.67	
4.31	4.33	4.35	1626583	147447.024681			1
4.44	4.46	4.48	1759855	148718.235152			2
4.55	4.56	4.59	1069536	108860.669247			3
4.89	4.91	4.93	233769.6	30643.494795			4
5.09	5.11	5.13	572498	33138.044354			5
5.34	5.36	5.38	570193.2	44693.858318			6
Height Summation:			**5832434.8**				
Amount Avg CF:			**85583.554425**	Linear:			
Aroclor-1262					6	57.63	
4.70	4.74	4.74	105701.4	8940.298657			1
4.89	4.91	4.93	233769.6	20907.460423			2
+ 5.08	5.08	5.12	502441.8	21544.092676			3
5.08	5.11	5.12	572498	24548.017241			3
5.30	5.32	5.34	83989.88	9076.296555			4
5.34	5.36	5.38	570193.2	35989.776128			5
5.72	5.74	5.76	127080.7	11901.524845			6
Height Summation:			**1693232.78**				
Amount Avg CF:			**18560.562308**	Linear:			
Aroclor-1268					5	110.29	
5.30	5.32	5.34	83989.88	3047.482598			1
5.35	5.36	5.39	570193.2	20379.358256			2
5.50	5.52	5.54	63145.96	2476.249255			3
5.72	5.74	5.76	127080.7	11345.824499			5
5.92	5.94	5.96	41732.7	409.98749			6
Height Summation:			**886142.44**				
Amount Avg CF:			**7531.78042**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229394** RI ACF DF100 96A07 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.09 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274A
Result file : 25PCBS17284001.061.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:37:42
Instrument : CP25--18274B
Result file : 25PCBS17284001B.061.RAW
Calibration file : 25PCBS1728401B.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			50545.0923	9811.6944		** 67.33	4	40	
Aroclor-1221			50545.0923	15163.5277		18.80	3	5	
Aroclor-1232			50545.0923	12190.287	E	** 78.41	4	10	
Aroclor-1242			50545.0923	12190.287		** 74.92	4	30	
Aroclor-1248			50545.0923	9811.6944		24.73	4	40	
Aroclor-1254			50545.0923	13082.2592		14.64	4	40	
Aroclor-1260			50545.0923	11595.6388		8.68	4	40	
Aroclor-1262			50545.0923	9811.6944		36.12	4	40	
Aroclor-1268			50545.0923	9811.6944		** 42.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:37:42 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: 25PCBS17284001.061.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		13531	14611
2.072		733	330
2.091		1092	1152
2.205		6325	5301
2.331		1036	663
2.368		1352	3640
2.492		8745	8471
2.531		965	820
2.571		1795	1822
2.637		319	143
2.653		3724	2556
2.685		563	399
2.747		2490	2942
2.806		597	448
2.897		6604	6057
2.929	TCX	10272	8778
3.039		567	738
3.081		18975	16628
3.135		4753	3474
3.181		18885	14003
3.237		777	441
3.263		1019	753
3.276		7827	4483
3.318		1555	1358
3.369		462	320
3.399		30617	16929
3.415		53208	36278
3.453		3263	1612
3.468		18296	12012
3.514		119844	89006
3.552		618	316
3.566		4056	2055
3.589		49642	37679
3.623		6086	3028
3.639		7209	4274
3.702		192278	279842
3.735		148105	153477
3.786		58569	43397
3.827		62390	46653
3.855		335350	248480
3.882		422452	296916
3.905		436452	295196
3.978		178995	128916
4.002		191107	138689
4.034		319657	240541
4.066		177281	178148
4.109		38550	41118
4.141		24001	32405
4.192		61436	42773
4.227		548791	386449
4.244		147678	70872
4.269		676813	595998
4.338		274875	230202
4.38		975487	1115510

RT A	Compound A	Height A	Area A
4.414		609060	500827
4.455		85115	62514
4.477		90880	65370
4.518		362102	339837
4.568		399387	366720
4.598		93832	60098
4.629		1542764	1368060
4.679		106480	78693
4.693		16413	6703
4.713		105566	72041
4.754		573648	576417
4.799		161286	147343
4.839		1082713	1081611
4.872		10214	5889
4.9		159703	172993
4.952		793308	1123686
5.003		29248	22692
5.038		546785	604836
5.085		90749	70014
5.109		24150	14590
5.122		54752	36132
5.156		1130629	1043363
5.177		37863	17346
5.196		39111	24753
5.223		92491	77249
5.265		86094	92277
5.334		4395	3621
5.361		284352	239676
5.384		137444	103214
5.414		2058	1049
5.44		82336	75804
5.478		93799	91829
5.517		9495	10620
5.559		230431	214918
5.594		53709	45522
5.619		315475	295743
5.657		13309	10898
5.707		2224	3349
5.781		2619	3112
5.823		257822	254413
5.854		39488	29166
5.877		14562	15272
5.924		1315	1090
5.959		3987	3934
5.988		27072	23740
6.013		1126	732
6.046		3219	2324
6.065		9712	6761
6.094		95534	89407
6.16		14853	14422
6.201		694	938
6.223		14939	11775
6.251		61023	54384
6.295		3949	4697
6.397		961	1705
6.423		750	309
6.454		13448	15127
6.518		3986	5852
6.571		4857	5794
6.602	DCB	3706	2782
6.639		12707	12316
6.693		754	755
6.766		3515	6464
6.816		610	509
6.884		8405	27379

LANCASTER LABORATORIES

Sample Number: 9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:37:42 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: 25PCBS17284001B.061.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.215		1896	9852
2.3		3720	4888
2.364		8393	6484
2.407		2323	2997
2.466		3692	11214
2.536		3982	9419
2.574		1574	1429
2.615	TCX	10245	7304
2.655		11734	11688
2.713		3050	4011
2.786		43609	33960
2.848		10395	11734
2.899		39749	31635
2.951		1686	1443
3.009		21931	14769
3.087		1474	503
3.106		36991	17508
3.117		82573	42211
3.157		13962	7142
3.178		43373	25172
3.204		3610	1451
3.226		216490	139168
3.245		8001	3017
3.264		104965	62709
3.295		766	163
3.312		19222	10615
3.326		19391	9354
3.353		3074	1675
3.386		332069	242275
3.406		273639	141084
3.421		71514	30449
3.436		150713	78376
3.495		124272	91135
3.53		718205	453360
3.553		1160273	636484
3.571		1091337	586645
3.631		1560	871
3.657		396765	242092
3.68		404197	224948
3.701		694342	449651
3.731		114849	58493
3.747		317036	193263
3.786		130036	111609
3.827		121802	119739
3.856		196704	116312
3.879		1957499	1269266
3.904		1182406	688724
3.923		459551	251328
3.943		556463	340741
3.978		2242667	1516516
4.01		1344772	832370
4.027		394888	199494
4.048		190531	109629
4.087		232542	176801

RT B	Compound B	Height B	Area B
4.121		743810	543523
4.142		16411	9351
4.178		1045373	776915
4.211		323534	259630
4.238		3254910	2554103
4.275		269746	238989
4.329		1626583	1385403
4.366		358825	278492
4.398		2218843	1516749
4.422		422309	276314
4.465		1759855	1466394
4.563		1069537	1098376
4.616		1054323	828140
4.656		409341	366136
4.694		2386618	2322675
4.74		105701	56183
4.764		150156	111684
4.822		26836	32083
4.863		20037	11913
4.88		122399	88431
4.913		233770	166964
4.938		601433	472714
4.987		226089	185688
5.023		114475	94276
5.052		68497	54486
5.085		502442	340474
5.107		572498	437806
5.148		13624	8524
5.179		29920	25382
5.219		2005	1209
5.243		4221	2955
5.32		83990	90520
5.363		570193	577839
5.465		3028	3562
5.518		63146	53208
5.547		9324	5067
5.565		26222	17423
5.609		148849	115254
5.634		61344	49284
5.68		9109	9144
5.715		43429	32355
5.743		127081	104497
5.774		7430	5338
5.8		1692	1200
5.851		678	3178
5.879		1834	3027
5.912		1640	967
5.941		41733	34778
5.995		1317	2758
6.005		1306	637
6.022		2221	1312
6.078		11614	7999
6.1	DCB	12555	9210
6.136		33019	27162
6.166		10214	11891
6.232		6928	7428
6.249		2173	2083
6.278		1412	795
6.299		1636	506
6.32		1231	448
6.34		2381	1518
6.367		1701	531
6.376		1759	792
6.392		1260	670
6.428		644	1326
6.439		1164	533

RT B	Compound B	Height B	Area B
6.47		2605	1805
6.518		1611	2168
6.58		1420	1903
6.61		1326	1260
6.627		1102	547
6.638		1294	545
6.678		424	920
6.703		826	425
6.722		1030	565
6.733		1488	986
6.781		1987	2055
6.799		1383	763
6.822		1425	1127
6.833		1538	602
6.878		1555	1975
6.899		1650	943
6.967		1858	575

9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082

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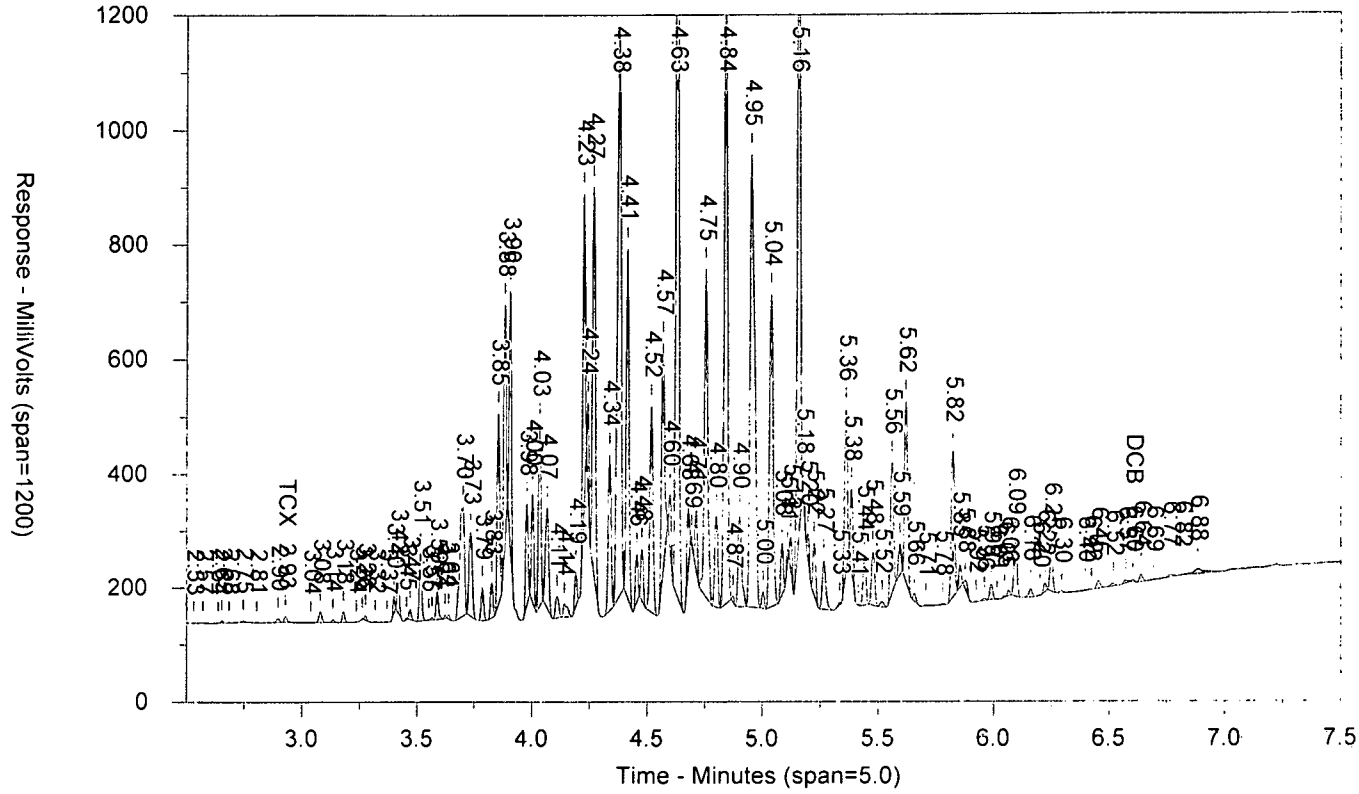

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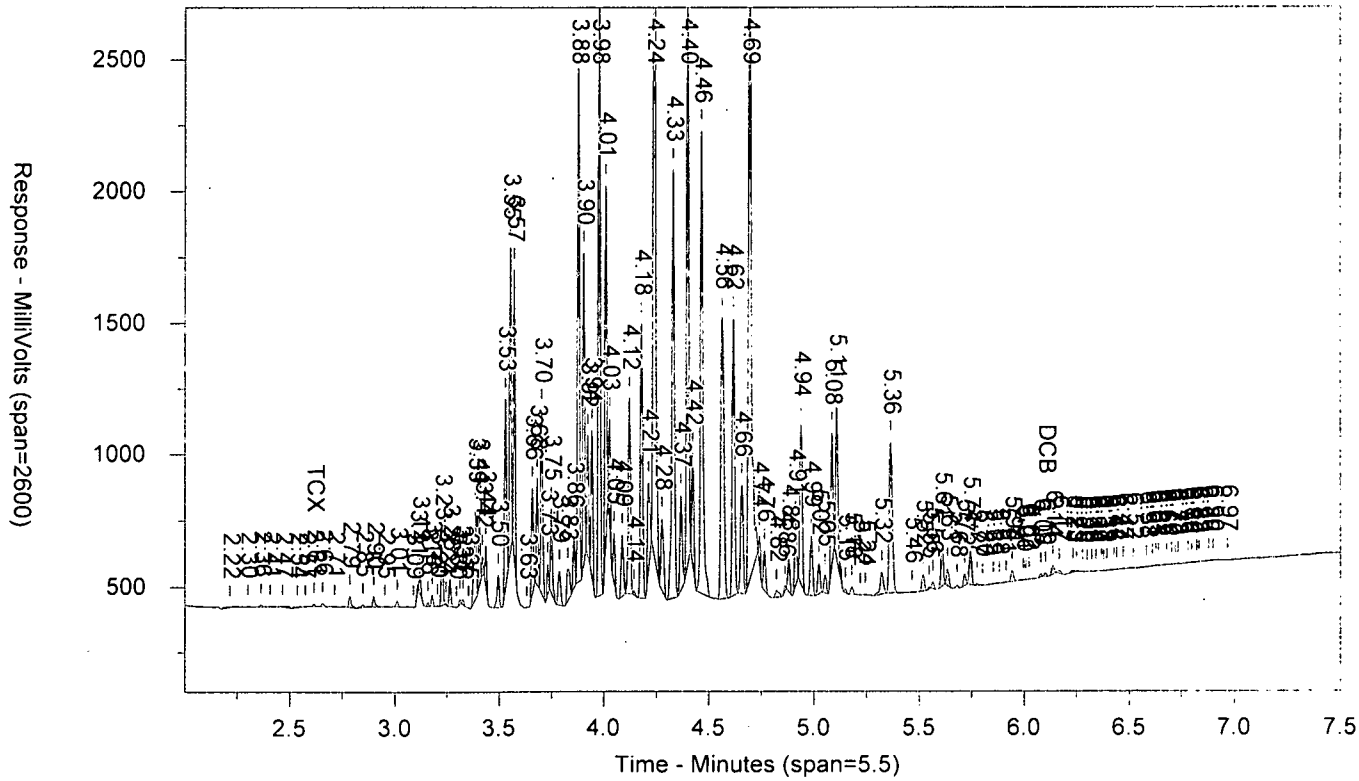

LANCASTER LABORATORIES

Sample Number: 9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:37:42 AM Sample Weight: 10.09
Instrument ID: CP25-18274 Dilution Factor: 10000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	10272	67.48	TCX	2.615	10245	37.268	TCX
6.602	3706	38.102	DCB	6.1	12555	41.103	DCB

Files:
Area File: 25PCBS17284001.061.RAW
Area File: 25PCBS17284001B.061.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:30 PM
File Reported On: 10/12/2017 at 4:34:08 PM

9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082

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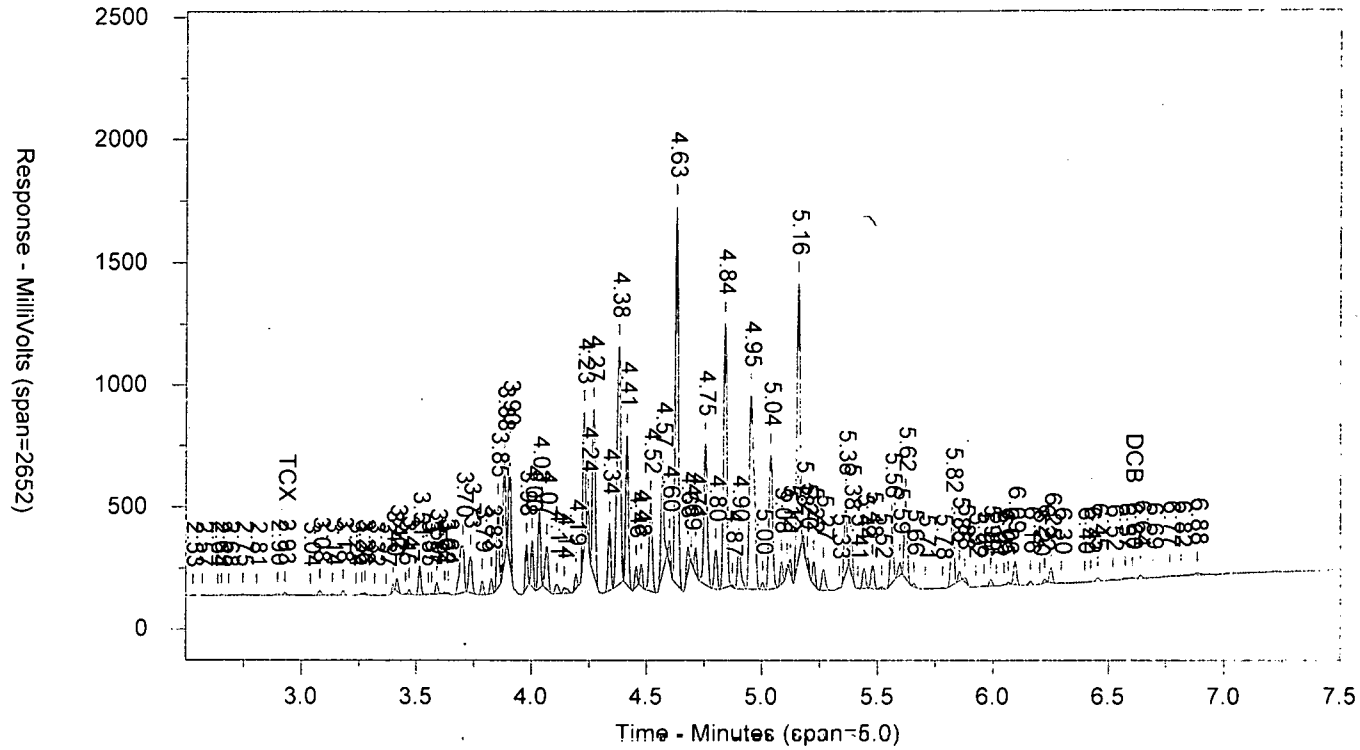

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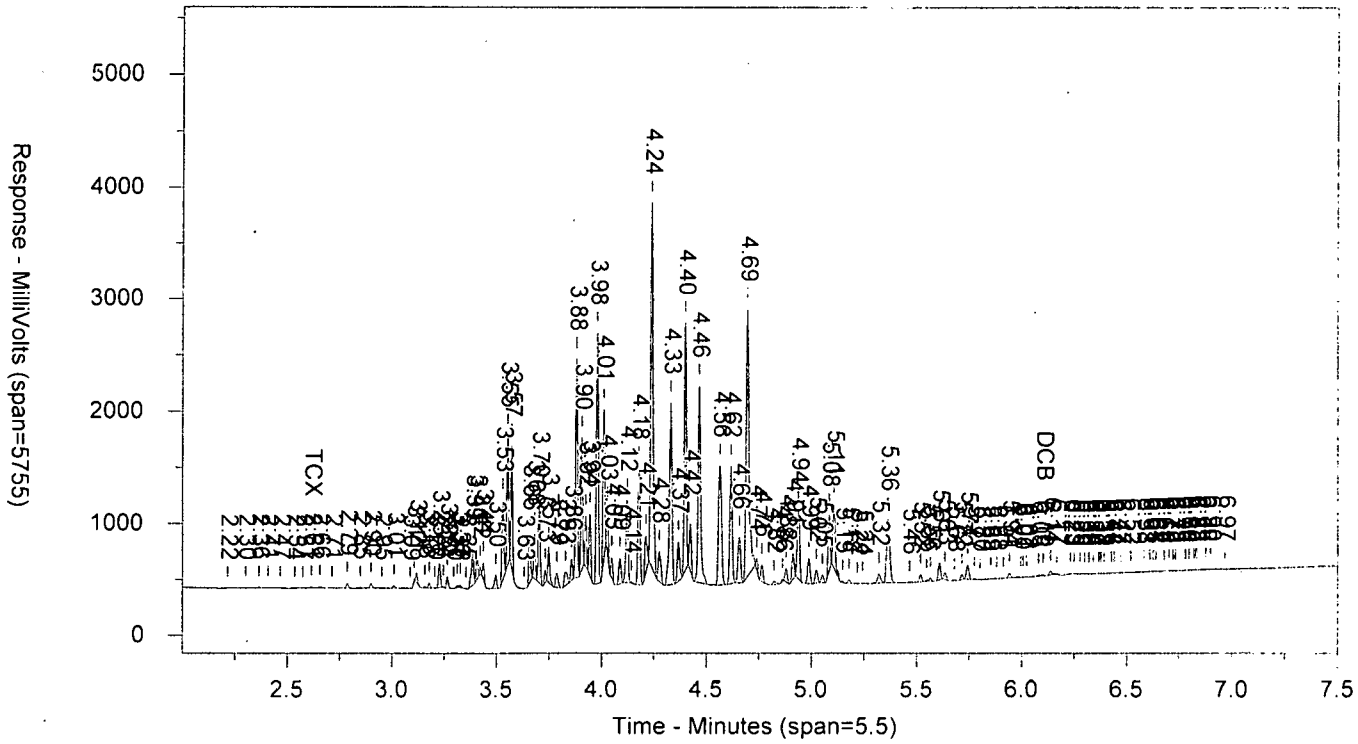

9229394 RI ACF DF100AD96A07 T 172780031A 10225 SW-846 8082

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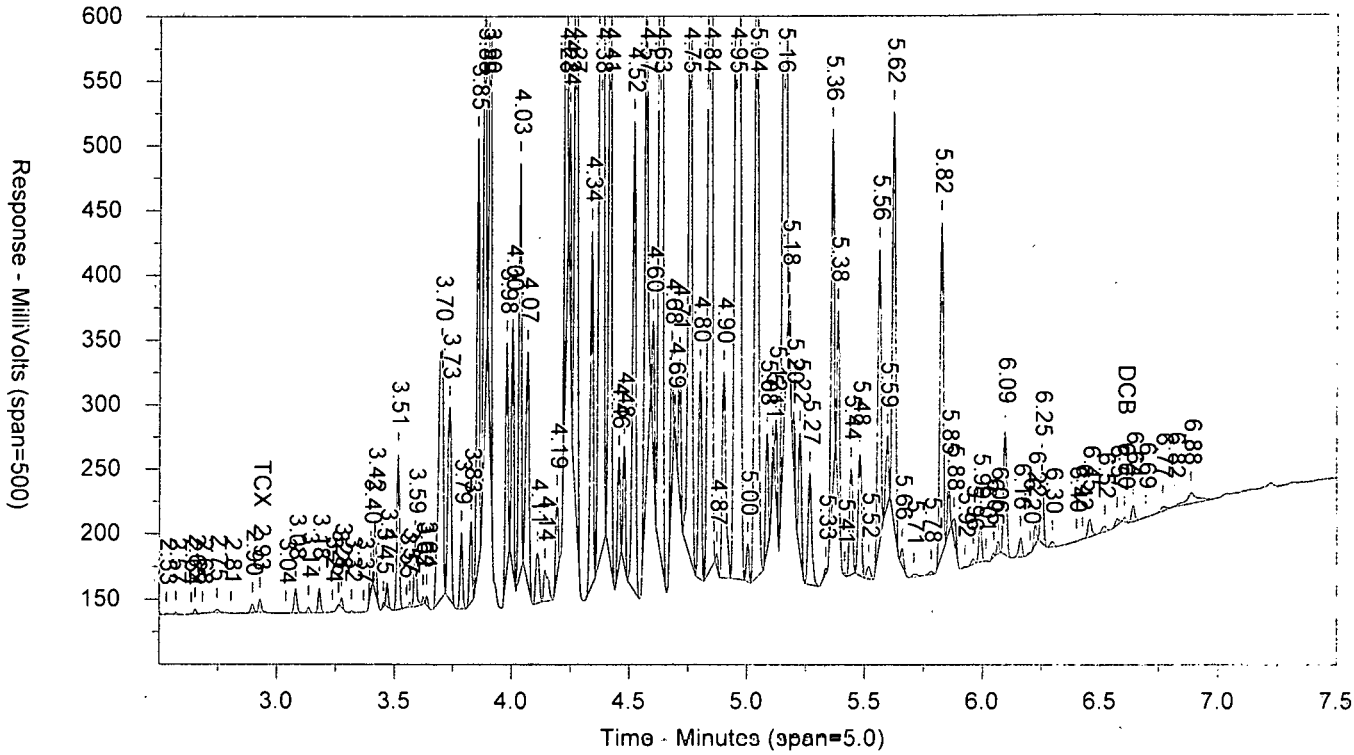

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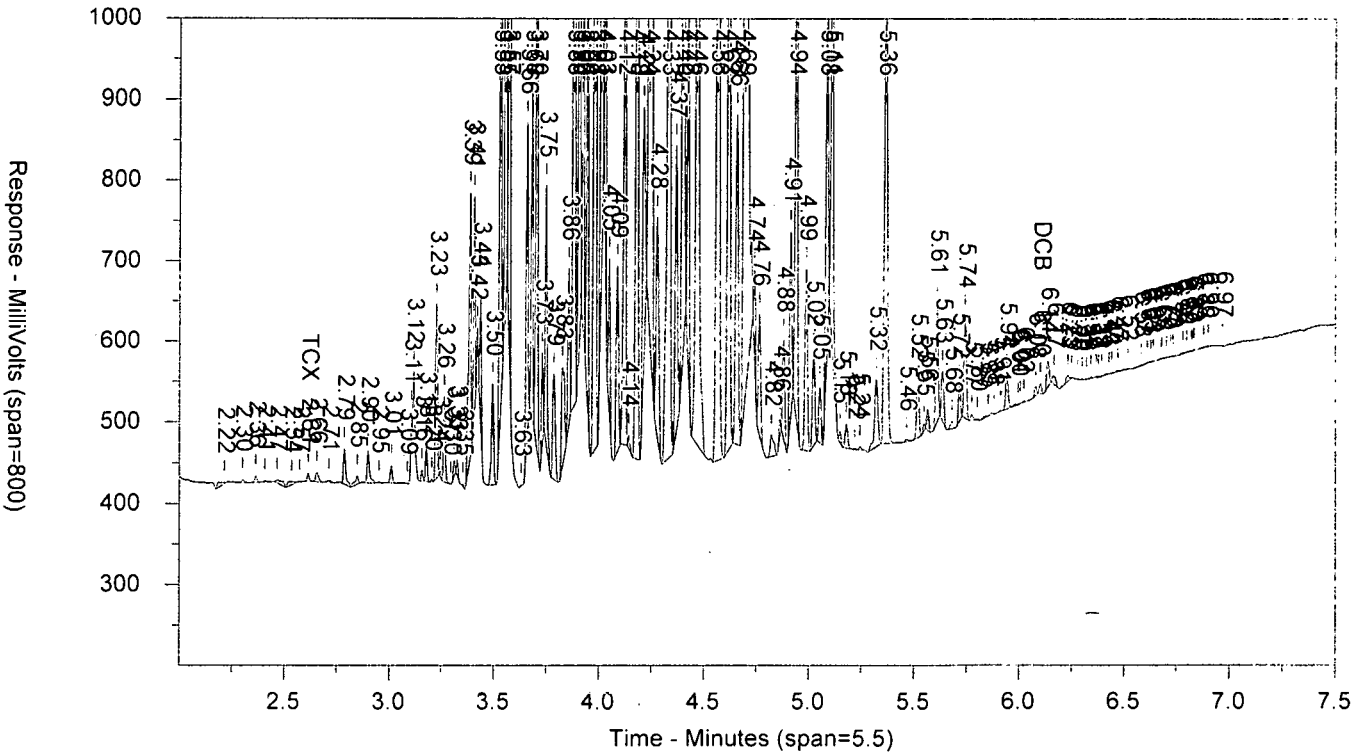

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229395 RI ACF DF200 96A08 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.41 g Total Volume: 20000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:48:59
Instrument	18274A
Result file	25PCBS17284001.062.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 348% (61 - 152) Conc: 102.2213

%SSR(DCB) 159% (48 - 164) Conc: 41.36004

Analysis Report (B)

Injected on	Oct 12, 2017 08:48:59
Instrument	18274B
Result file	25PCBS17284001B.062.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 125% (61 - 152) Conc: 36.78814

%SSR(DCB) * 185% (48 - 164) Conc: 48.27117

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	8027	102.2213
Decachlorobiphenyl	6.57	6.60	6.63	2075	41.36004

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	5217	36.78814
Decachlorobiphenyl	6.07	6.10	6.13	7606	48.27117

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	36.78814			P	94.14	
☑	Tetrachloro-m-xylene-D1	A	102.2213					
☑	Tetrachloro-m-xylene-D2	B	36.78814					
☐	Decachlorobiphenyl	B	48.27117				15.42	
☑	Decachlorobiphenyl-D1	A	41.36004					
☑	Decachlorobiphenyl-D2	B	48.27117					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**23.78**	
4.55	4.56	4.59	396419.9	250817.892188			1
4.61	4.63	4.65	1414341	456993.264721			2
4.73	4.75	4.77	493071.3	495851.839589			3
4.82	4.84	4.86	990724.5	468645.693895			4
5.02	5.03	5.06	524970.1	340887.028799			5
5.13	5.15	5.17	1058489	490050.892987			6

Height summation: **4878015.8**

Concentration CF: **417207.768697** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.00**	
4.22	4.24	4.26	3050107	454471.125467			1
4.31	4.33	4.35	1453362	446708.478025			2
4.38	4.40	4.42	1923893	484575.43103			3
4.44	4.46	4.48	1491293	588223.303461			4
4.59	4.61	4.63	988220.6	342504.393027			5
4.67	4.69	4.71	2150280	490998.284529			6

Height summation: **11057155.6**

Concentration CF: **467913.50259** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<97982.7124	<19020.1736	D1		4	
☑	PCB-1221			<97982.7124	<29394.8137	D1		3	
☑	PCB-1232			<97982.7124	<23631.1248	D1		4	
☑	PCB-1242			<97982.7124	<23631.1248	D1		4	
☑	PCB-1248			<97982.7124	<19020.1736	D1		4	
☑	PCB-1254	B	467913.50259	97982.7124	25360.2314	D2	11.46	4	
☑	PCB-1260			<97982.7124	<22478.387	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:38:01

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229395** RI ACF DF200 96A08 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.41 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274A
Result file : 25PCBS17284001.062.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *348% (61-152) Conc.: 102.2213
%SSR(DCB) : 159% (48-164) Conc.: 41.36004

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.04	
3.16	3.18	3.20	18146.56	13209.320355			1
+ 3.38	3.40	3.42	27986.08	22024.450851			2
3.38	3.41	3.42	45571.74	35863.99195			2
3.49	3.51	3.53	109847.9	67483.209301			3
3.71	3.73	3.75	134597.6	72438.569667			4
3.76	3.78	3.80	54161.09	33714.300235			5
3.96	3.97	4.00	185958	171999.644556			6
Height Summation:			**548282.89**				
Amount Avg CF:			**65784.839344**	Linear:			
Aroclor-1221					3	68.50	
3.06	3.08	3.10	17217.72	29363.840227			1
3.11	3.13	3.15	4470.855	8660.905737			2
3.16	3.18	3.20	18146.56	11311.832735			3
Height Summation:			**39835.135**				
Amount Avg CF:			**16445.526233**	Linear:			
Aroclor-1232					6	93.97	
3.16	3.18	3.20	18146.56	12918.208688			1
+ 3.38	3.40	3.42	27986.08	53453.783835			2
3.38	3.41	3.42	45571.74	87042.627583			2
3.49	3.51	3.53	109847.9	155368.915855			3
3.70	3.73	3.74	134597.6	156591.915358			4
3.76	3.78	3.80	54161.09	85364.962036			5
E 3.95	3.97	3.99	185958	430531.304741			6
Height Summation:			**548282.89**				
Amount Avg CF:			**154636.322377**	Linear:			
Aroclor-1242					6	88.17	
3.16	3.18	3.20	18146.56	9564.501524			1
+ 3.37	3.40	3.41	27986.08	17418.555729			2
3.37	3.41	3.41	45571.74	28363.88279			2
3.49	3.51	3.53	109847.9	50973.869877			3
3.70	3.73	3.74	134597.6	50282.216494			4
3.76	3.78	3.80	54161.09	26370.234004			5
3.95	3.97	3.99	185958	133701.583204			6
Height Summation:			**548282.89**				
Amount Avg CF:			**49876.047982**	Linear:			
Aroclor-1248					6	62.59	
3.71	3.73	3.75	134597.6	132735.615104			1
3.76	3.78	3.80	54161.09	61716.722204			2
3.83	3.85	3.87	345187.9	260167.466208			3
3.98	4.00	4.02	156659.5	380555.586195			4
4.04	4.06	4.08	168310	129516.551046			5
4.22	4.22	4.26	504313.1	405128.027854			6
+ 4.22	4.24	4.26	147570.8	118547.519731			6
Height Summation:			**1363229.19**				
Amount Avg CF:			**228303.328102**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274B
Result file : 25PCBS17284001B.062.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 125% (61-152) Conc.: 36.78814
%SSR(DCB) : *185% (48-164) Conc.: 48.27117

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	110.11	
2.88	2.90	2.92	37840.52	15200.010131			1
3.21	3.23	3.25	200485	66507.287659			2
+ 3.21	3.24	3.25	5868.854	1946.886606			2
3.40	3.40	3.44	227001.5	76718.058936			3
+ 3.40	3.42	3.44	69531.46	23499.045805			3
+ 3.40	3.43	3.44	129207.6	43667.360224			3
3.47	3.49	3.51	120972.4	37181.002649			4
3.53	3.55	3.57	1015765	375267.740125			5
+ 3.53	3.57	3.57	854291.4	315612.37401			5
3.64	3.65	3.68	427293.5	156322.006922			6
Height Summation:			**2029357.92**				
Amount Avg CF:			**121199.35107**	Linear:			
Aroclor-1221					3	57.24	
2.77	2.79	2.81	39294.13	32830.262852			1
2.83	2.85	2.87	9781.641	13523.220096			2
2.88	2.90	2.92	37840.52	12950.026599			3
Height Summation:			**86916.291**				
Amount Avg CF:			**19767.836515**	Linear:			
Aroclor-1232					6	125.31	
2.88	2.90	2.92	37840.52	14264.516951			1
3.21	3.23	3.25	200485	150284.7489			2
+ 3.21	3.24	3.25	5868.854	4399.327878			2
3.40	3.40	3.44	227001.5	172422.703535			3
+ 3.40	3.42	3.44	69531.46	52813.75812			3
+ 3.40	3.43	3.44	129207.6	98141.746681			3
3.47	3.49	3.51	120972.4	89188.719211			4
E 3.53	3.55	3.57	1015765	1099548.537597			5
E+ 3.53	3.57	3.57	854291.4	924756.079951			5
E 3.63	3.65	3.67	427293.5	403861.938669			6
Height Summation:			**2029357.92**				
Amount Avg CF:			**321595.194144**	Linear:			
Aroclor-1242					6	122.08	
2.88	2.90	2.92	37840.52	11608.463859			1
3.21	3.23	3.25	200485	51088.032975			2
+ 3.21	3.24	3.25	5868.854	1495.514411			2
3.40	3.40	3.44	227001.5	52486.546332			3
+ 3.40	3.42	3.44	69531.46	16076.837364			3
+ 3.40	3.43	3.44	129207.6	29874.959786			3
3.47	3.49	3.51	120972.4	28291.631659			4
3.53	3.55	3.57	1015765	336584.064424			5
+ 3.53	3.57	3.57	854291.4	283078.144664			5
3.63	3.65	3.67	427293.5	117357.877383			6
Height Summation:			**2029357.92**				
Amount Avg CF:			**99569.436106**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229395** RI ACF DF200 96A08 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.41 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274A
Result file : 25PCBS17284001.062.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**23.78**	
4.55	4.56	4.59	396419.9	250817.892188			1
4.61	4.63	4.65	1414341	456993.264721			2
4.73	4.75	4.77	493071.3	495851.839589			3
4.82	4.84	4.86	990724.5	468645.693895			4
5.02	5.03	5.06	524970.1	340887.028799			5
5.13	5.15	5.17	1058489	490050.892987			6
Height Summation:			**4878015.8**				
Amount Avg CF:			**417207.768696**	Linear:			
Aroclor-1260					**6**	**67.95**	
4.73	4.75	4.77	493071.3	202773.177213			1
4.93	4.95	4.97	676795.6	240757.913123			2
5.13	5.15	5.17	1058489	310539.468349			3
5.36	5.38	5.40	115313.8	63624.037434			4
5.60	5.62	5.64	263997.4	58364.769978			5
5.80	5.82	5.84	212559.9	74454.188793			6
Height Summation:			**2820227**				
Amount Avg CF:			**158418.925815**	Linear:			
Aroclor-1262					**6**	**57.04**	
5.20	5.22	5.24	78388.6	27620.109342			1
5.36	5.38	5.40	115313.8	46615.390084			2
5.60	5.62	5.64	263997.4	47157.285053			3
5.80	5.82	5.84	212559.9	57627.501198			4
5.86	5.88	5.90	8562.373	4908.219644			5
6.23	6.25	6.27	46669.01	22113.420973			6
Height Summation:			**725491.083**				
Amount Avg CF:			**34340.321049**	Linear:			
Aroclor-1268					**6**	**120.85**	
5.80	5.82	5.84	212559.9	33452.791661			1
5.86	5.88	5.90	8562.373	1495.479042			2
5.99	6.01	6.03	916.837	172.143319			3
+ 6.06	6.06	6.10	8323.537	5612.525534			4
6.06	6.09	6.10	81153.91	54721.735735			4
6.23	6.25	6.27	46669.01	20191.6516			5
6.43	6.45	6.47	10870.51	614.282657			6
Height Summation:			**360732.54**				
Amount Avg CF:			**18441.347336**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274B
Result file : 25PCBS17284001B.062.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**70.76**	
3.40	3.40	3.44	227001.5	151625.319431			1
+ 3.40	3.42	3.44	69531.46	46443.436863			1
+ 3.40	3.43	3.44	129207.6	86304.027167			1
3.47	3.49	3.51	120972.4	67172.341303			2
3.51	3.53	3.55	741746.7	251235.159968			3
3.64	3.65	3.68	427293.5	118182.258787			4
+ 3.73	3.73	3.77	111890.7	44636.682102			5
3.73	3.74	3.77	288929.6	115263.008498			5
3.86	3.88	3.90	1904918	432134.656869			6
Height Summation:			**3710861.7**				
Amount Avg CF:			**189268.790809**	Linear:			
Aroclor-1254					**6**	**17.00**	
4.22	4.24	4.26	3050107	454471.125467			1
4.31	4.33	4.35	1453362	446708.478025			2
4.38	4.40	4.42	1923893	484575.43103			3
4.44	4.46	4.48	1491293	588223.303461			4
4.59	4.61	4.63	988220.6	342504.393027			5
4.67	4.69	4.71	2150280	490998.284529			6
Height Summation:			**11057155.6**				
Amount Avg CF:			**467913.50259**	Linear:			
Aroclor-1260					**6**	**67.77**	
4.31	4.33	4.35	1453362	255390.076137			1
4.44	4.46	4.48	1491293	244298.4707			2
4.55	4.56	4.59	986276.6	194600.859631			3
4.89	4.91	4.93	190992.8	48533.061525			4
5.09	5.10	5.13	446607.7	50112.900481			5
5.34	5.36	5.38	484559	73627.984293			6
Height Summation:			**5053091.1**				
Amount Avg CF:			**144427.225461**	Linear:			
Aroclor-1262					**6**	**59.51**	
+ 4.70	4.72	4.74	39816.11	6528.30667			1
4.70	4.74	4.74	101178.9	16589.437988			1
4.89	4.91	4.93	190992.8	33113.163816			2
5.08	5.10	5.12	446607.7	37122.65974			3
5.30	5.32	5.34	61213.46	12823.278576			4
5.34	5.36	5.38	484559	59289.011314			5
5.72	5.74	5.76	98571.36	17895.514549			6
Height Summation:			**1383123.22**				
Amount Avg CF:			**29472.177664**	Linear:			
Aroclor-1268					**5**	**113.85**	
5.30	5.32	5.34	61213.46	4305.579711			1
5.35	5.36	5.39	484559	33572.645685			2
5.50	5.52	5.54	55210.26	4197.000418			3
5.72	5.74	5.76	98571.36	17059.945683			5
5.92	5.94	5.96	32611.13	621.055486			6
Height Summation:			**732165.21**				
Amount Avg CF:			**11951.245396**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229395** RI ACF DF200 96A08 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.41 g Total Volume: 20000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274A
Result file : 25PCBS17284001.062.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:48:59
Instrument : CP25--18274B
Result file : 25PCBS17284001B.062.RAW
Calibration file : 25PCBS1728401B.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			97982.7124	19020.1736		** 59.27	4	40	
Aroclor-1221			97982.7124	29394.8137		18.35	3	5	
Aroclor-1232			97982.7124	23631.1248	E	** 70.12	4	10	
Aroclor-1242			97982.7124	23631.1248		** 66.50	4	30	
Aroclor-1248			97982.7124	19020.1736		18.70	4	40	
Aroclor-1254			97982.7124	25360.2314		11.46	4	40	
Aroclor-1260			97982.7124	22478.387		9.24	4	40	
Aroclor-1262			97982.7124	19020.1736		15.26	4	40	
Aroclor-1268			97982.7124	19020.1736		** 42.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:48:59 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: 25PCBS17284001.062.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		12087	13203
2.089		3374	10762
2.204		6846	7015
2.303		448	325
2.329		3820	2489
2.369		735	653
2.49		6861	6613
2.529		1162	795
2.569		1700	1450
2.651		4672	3915
2.699		501	177
2.747		3237	7834
2.895		5127	4686
2.926	TCX	8027	7113
3.035		531	699
3.079		17218	14757
3.134		4471	3393
3.18		18147	13760
3.235		564	383
3.273		9917	11382
3.314		1180	872
3.397		27986	16605
3.413		45572	31228
3.45		2743	1453
3.465		17231	11450
3.511		109848	81053
3.547		667	366
3.562		3860	2090
3.586		48019	34968
3.62		7191	3531
3.635		6332	3438
3.69		174336	248525
3.731		134598	136510
3.782		54161	41513
3.823		51631	37614
3.852		345188	249319
3.878		351811	251518
3.901		344609	230740
3.974		185958	136021
3.998		156660	110819
4.03		254027	189232
4.062		168310	165510
4.106		34853	36598
4.137		9346	5774
4.149		5268	2613
4.188		54484	36336
4.223		504313	358594
4.24		147571	75997
4.265		549040	482696
4.334		238101	206888
4.376		918140	1045669
4.411		526259	438269
4.451		69882	49450
4.473		78107	58188

RT A	Compound A	Height A	Area A
4.514		336310	322590
4.565		396420	373685
4.595		101344	63985
4.625		1414341	1247161
4.675		93279	70177
4.69		17416	6785
4.708		101966	75413
4.751		493071	514157
4.796		146514	127704
4.837		990725	971984
4.868		9921	5823
4.897		140894	152253
4.948		676796	999192
5		23632	18196
5.035		524970	578119
5.082		78561	62596
5.106		22550	15151
5.118		44420	28251
5.152		1058489	1124376
5.193		43095	26462
5.22		78389	62567
5.262		71128	79160
5.333		2497	2550
5.358		264976	222730
5.381		115314	87636
5.411		1902	897
5.438		70868	62581
5.475		82920	79255
5.515		8170	9566
5.556		202630	194283
5.592		45693	42053
5.616		263997	240895
5.654		10183	8496
5.715		1753	2856
5.779		2267	2540
5.821		212560	212201
5.851		33137	26716
5.877		8562	5958
5.923		838	767
5.953		2955	2913
5.986		22281	20908
6.011		917	654
6.041		3223	2341
6.062		8324	5939
6.091		81154	75908
6.157		12188	12398
6.193		1271	760
6.219		13234	10977
6.246		46669	41458
6.292		3239	3669
6.366		470	1009
6.402		474	591
6.411		830	282
6.45		10871	12556
6.51		3889	5886
6.569		4110	5711
6.598	DCB	2075	1530
6.636		9838	10295
6.664		518	160
6.708		701	964
6.719		616	295
6.767		3510	6765
6.882		5731	14179
6.97		763	553

LANCASTER LABORATORIES

Sample Number: 9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:48:59 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: 25PCBS17284001B.062.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.155		3360	3798
2.192		4791	7936
2.236		2442	2690
2.302		3541	3254
2.364		10047	7087
2.409		1955	1936
2.467		3895	9436
2.525		1955	2108
2.574		1487	784
2.614	TCX	5217	4088
2.657		11245	10068
2.715		2915	3187
2.787		39294	29552
2.847		9782	10731
2.899		37841	28185
2.982		1460	848
3.009		19622	13091
3.08		895	128
3.089		794	113
3.106		36198	17790
3.117		66400	33945
3.156		12019	6452
3.177		40863	24302
3.203		3310	1685
3.225		200485	127677
3.244		5869	2103
3.263		96919	57706
3.311		18610	10402
3.325		17122	8891
3.385		305274	229413
3.404		227002	114026
3.419		69531	30370
3.435		129208	63640
3.493		120972	86496
3.527		741747	457816
3.551		1015765	553581
3.569		854291	472934
3.63		1715	1310
3.654		427294	260077
3.677		333725	184811
3.698		553314	360430
3.728		111891	55346
3.743		288930	174719
3.783		114862	99326
3.826		102612	105381
3.853		192661	116977
3.876		1904918	1257011
3.901		945858	553362
3.92		400899	215598
3.939		500529	303802
3.975		2020925	1415652
4.006		1166289	725517
4.023		398653	197666
4.045		152183	89280

RT B	Compound B	Height B	Area B
4.084		211563	155956
4.118		690067	519185
4.139		13247	7594
4.175		1089617	794810
4.208		336895	260144
4.235		3050107	2322387
4.272		250936	217505
4.326		1453362	1249282
4.363		309225	236151
4.395		1923893	1365388
4.419		367796	235693
4.462		1491293	1291539
4.531		2346	1249
4.56		986277	996101
4.614		988221	795582
4.654		375878	323412
4.691		2150280	1938063
4.722		39816	13877
4.737		101179	54718
4.761		121556	92192
4.821		23475	29869
4.86		15107	8308
4.877		102396	76843
4.911		190993	135358
4.935		566021	434099
4.985		186030	157529
5.02		98503	81955
5.05		55959	44968
5.082		427257	300501
5.104		446608	348804
5.146		12072	7247
5.176		25082	21727
5.213		1286	388
5.244		4080	5931
5.297		1760	1623
5.319		61213	60173
5.361		484559	475685
5.425		1029	435
5.46		3095	3560
5.516		55210	45524
5.546		7721	4384
5.564		21048	14892
5.608		129394	101158
5.633		49934	39475
5.679		8362	8358
5.714		38703	28112
5.74		98571	81416
5.774		6217	4828
5.798		2521	2384
5.843		1512	2438
5.869		2708	2548
5.907		1798	966
5.939		32611	28554
5.984		2144	2676
6.018		3347	2813
6.052		2164	1802
6.076		10505	7332
6.098	DCB	7606	5347
6.135		29202	23061
6.161		8371	10138
6.226		12969	40543
6.321		1719	744
6.34		1979	1383
6.364		1947	1530
6.412		482	1181
6.424		988	679

RT B	Compound B	Height B	Area B
6.444		1369	483
6.47		1278	914
6.511		3463	5272
6.584		1151	4910
6.639		1792	4395
6.701		811	2220
6.727		2243	2901
6.817		1222	6999
6.827		984	429
6.841		1576	1292
6.856		1323	416
6.875		1154	875
6.906		803	311

9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082

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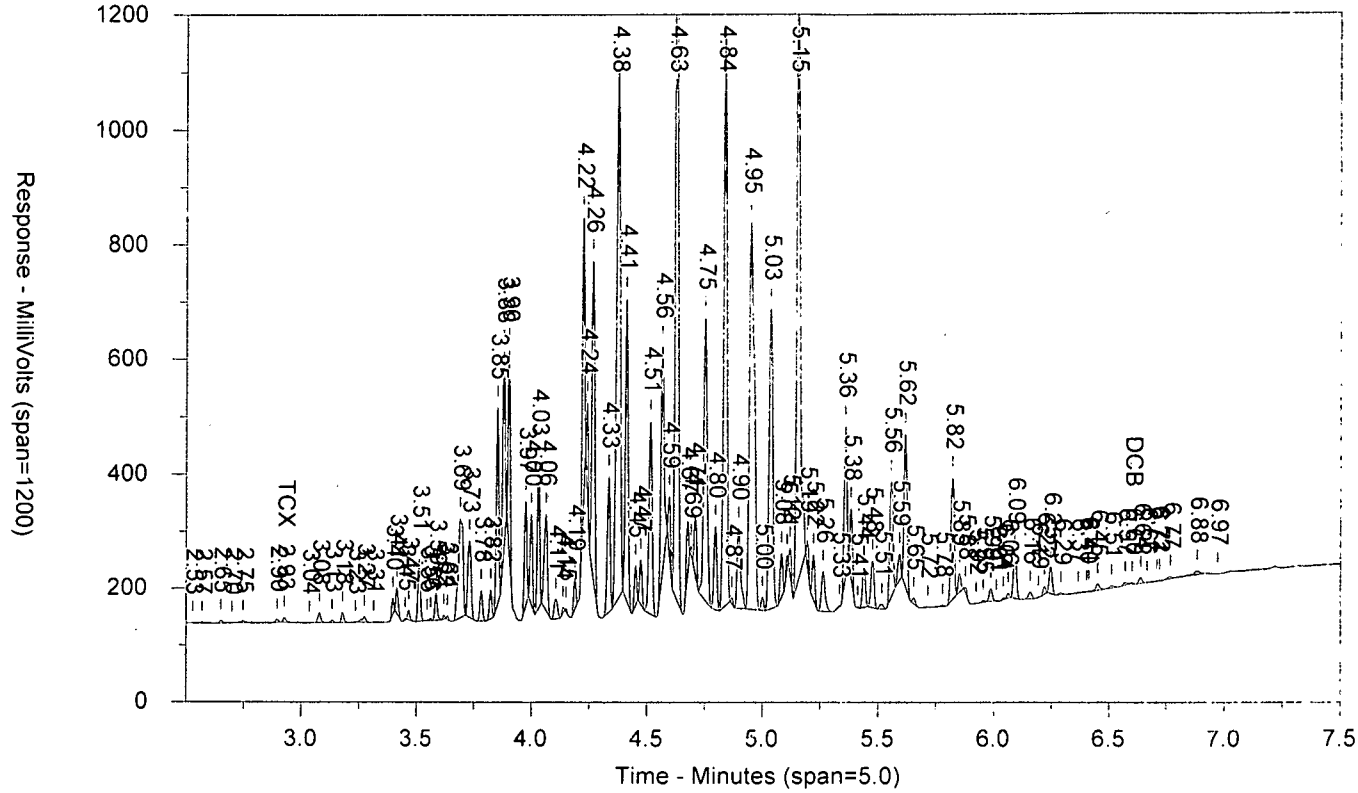

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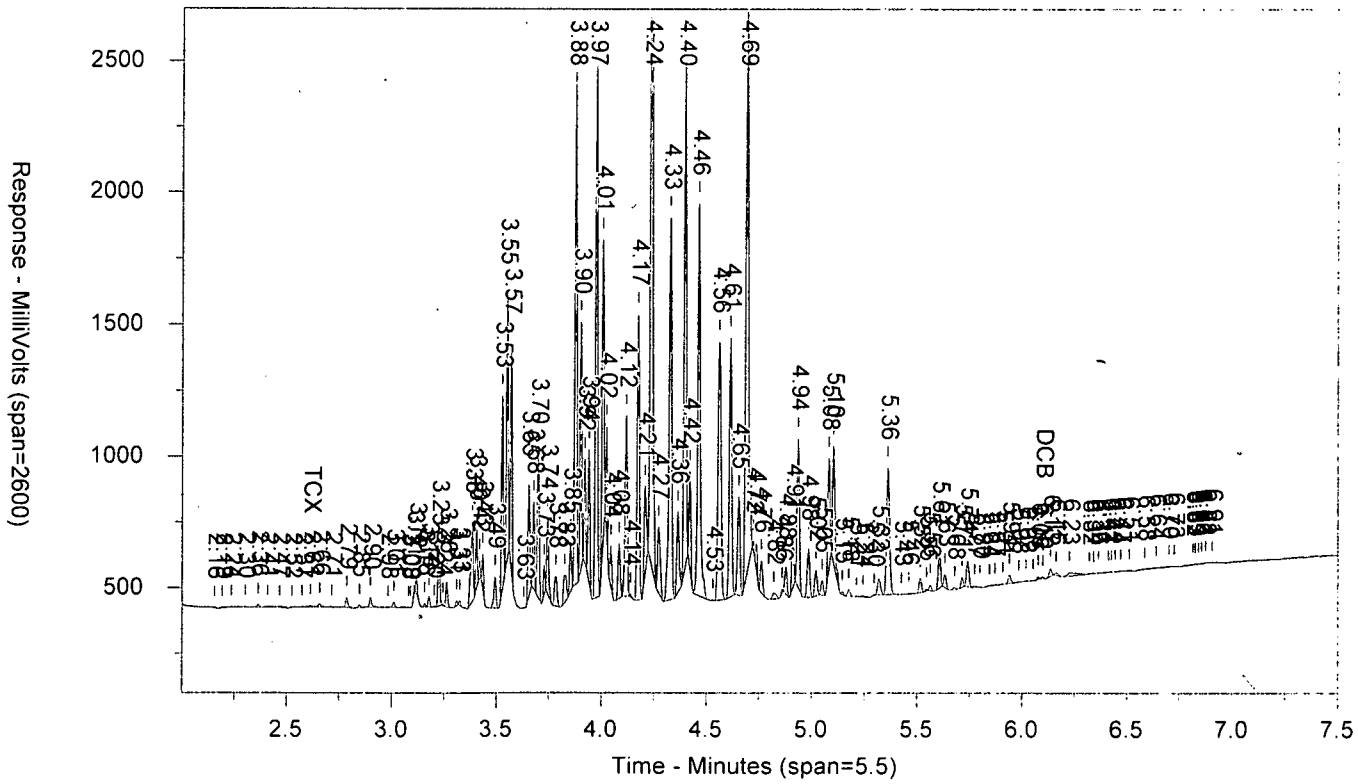

LANCASTER LABORATORIES

Sample Number: 9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 8:48:59 AM Sample Weight: 10.41
Instrument ID: CP25-18274 Dilution Factor: 20000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.926	8027	102.221	TCX	2.614	5217	36.788	TCX
6.598	2075	41.36	DCB	6.098	7606	48.271	DCB

Files:
Area File: 25PCBS17284001.062.RAW
Area File: 25PCBS17284001B.062.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:30 PM
File Reported On: 10/12/2017 at 4:34:22 PM

9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082

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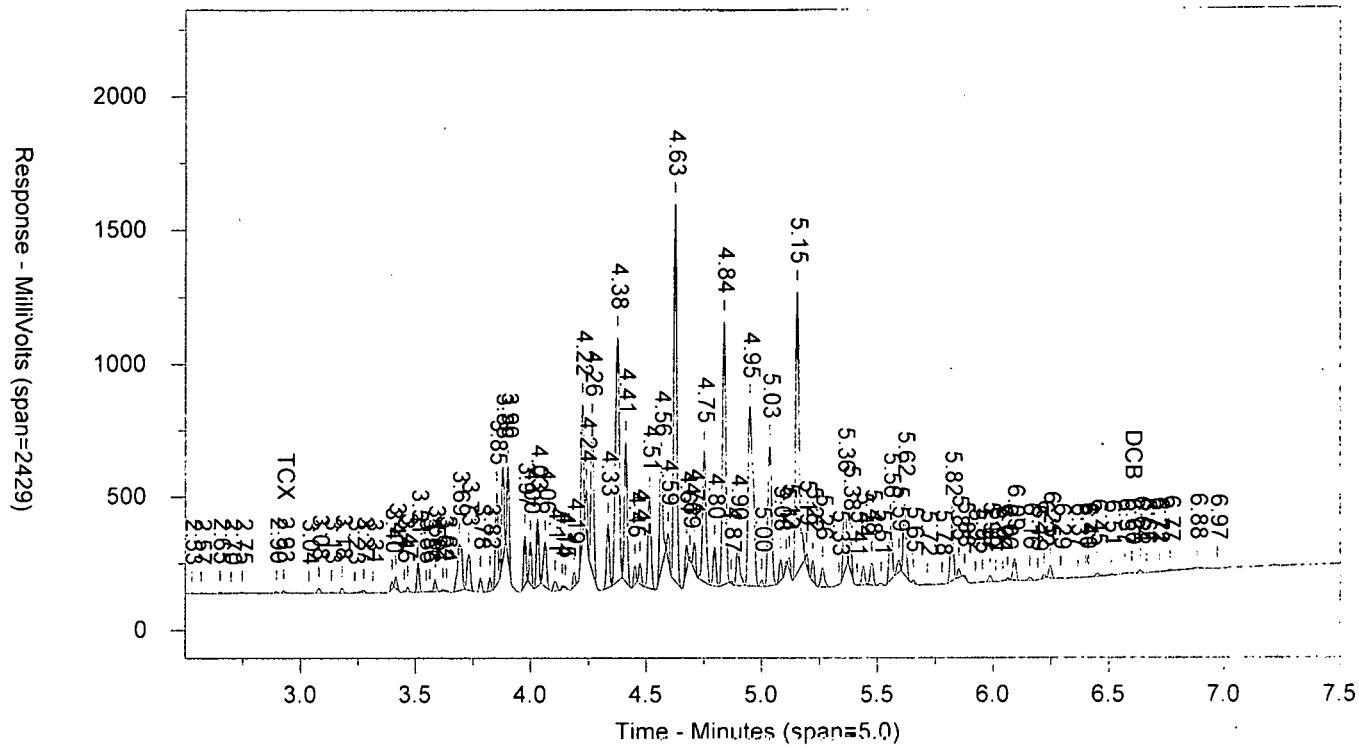

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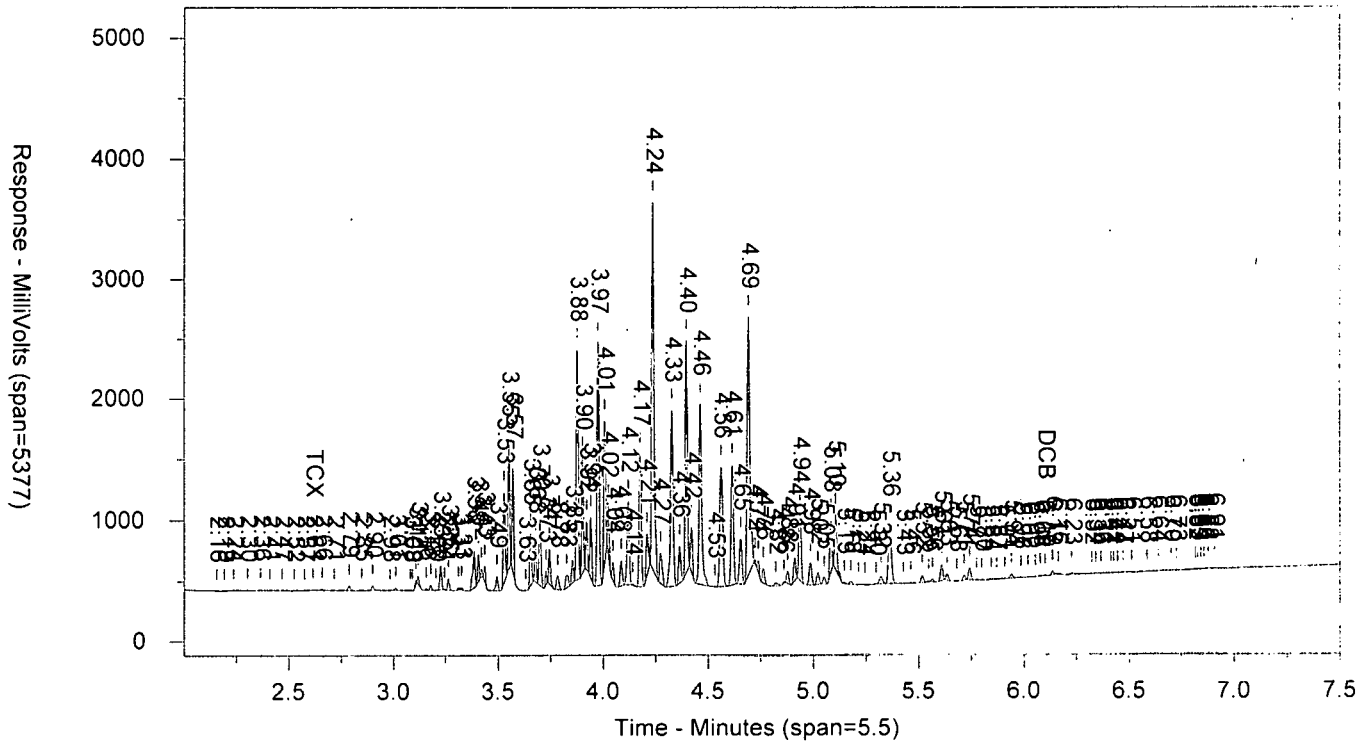

9229395 RI ACF DF200AD96A08 T 172780031A 10225 SW-846 8082

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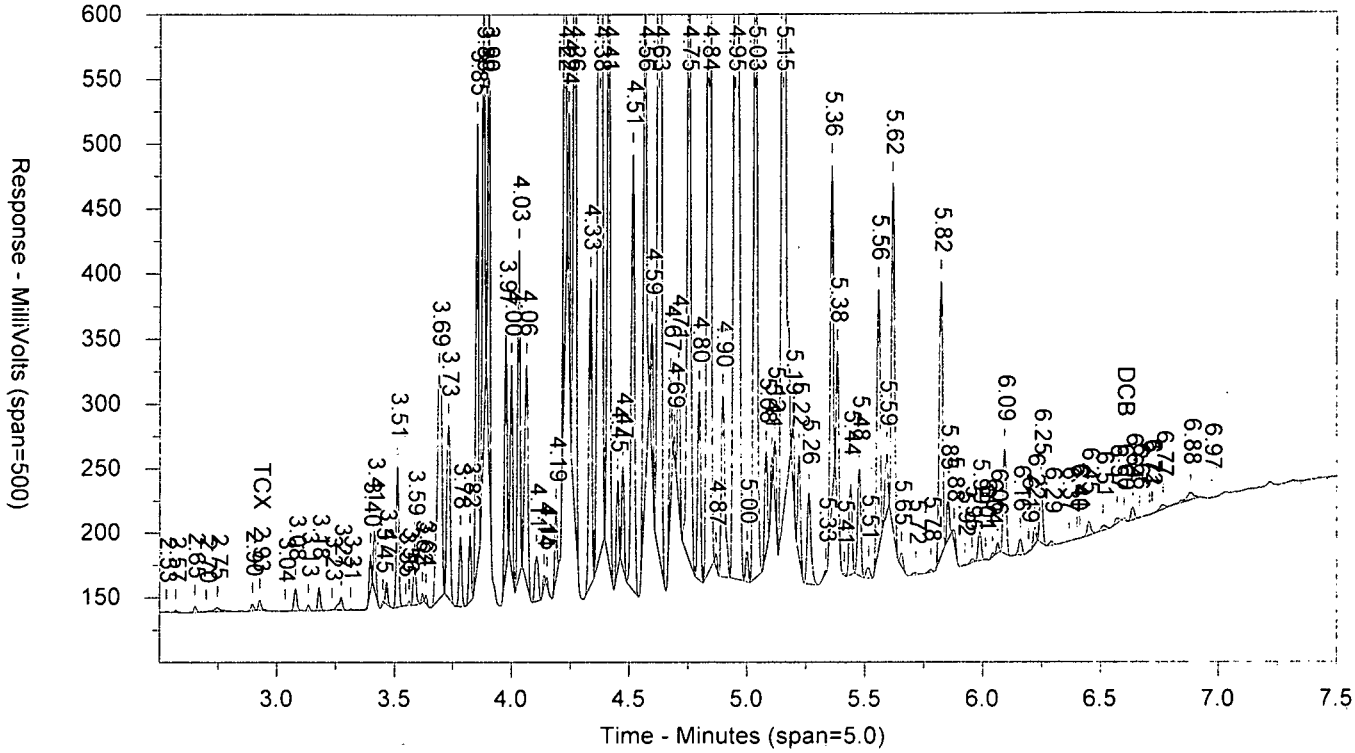

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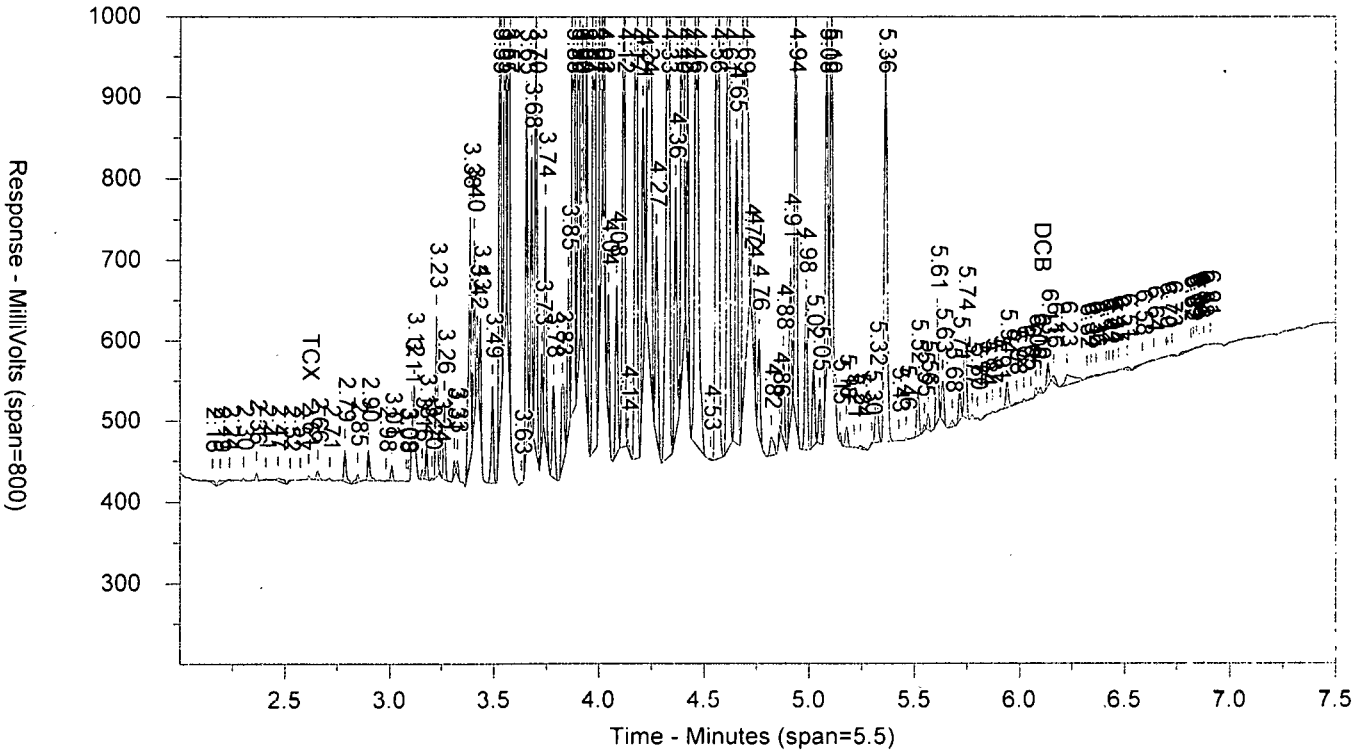

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229396 RI ACF DF10 96A09 Sample ID: AC **Batchnumber: 172780031A**

Sample Amount: 10.17 g Total Volume: 100 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:00:18
Instrument	18274A
Result file	25PCBS17284001.063.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 94% (61 - 152) Conc: 28.27094

%SSR(DCB) 123% (48 - 164) Conc: 32.91692

Analysis Report (B)

Injected on	Oct 12, 2017 09:00:18
Instrument	18274B
Result file	25PCBS17284001B.063.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 94% (61 - 152) Conc: 28.32927

%SSR(DCB) 114% (48 - 164) Conc: 30.42473

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	433777	28.27094	Tetrachloro-m-xylene	2.58	2.61	2.64	784914	28.32927
Decachlorobiphenyl	6.57	6.60	6.63	322685	32.91692	Decachlorobiphenyl	6.07	6.10	6.13	936724	30.42473

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.32927				0.21	
☑	Tetrachloro-m-xylene-D1	A	28.27094					
☑	Tetrachloro-m-xylene-D2	B	28.32927					
☐	Decachlorobiphenyl	A	32.91692				7.87	
☑	Decachlorobiphenyl-D1	A	32.91692					
☑	Decachlorobiphenyl-D2	B	30.42473					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.78**	
4.55	4.56	4.59	628227	2034.320824			1
4.61	4.63	4.65	2327913	3849.658406			2
4.73	4.75	4.77	944010.1	4858.683685			3
4.82	4.84	4.86	1652975	4001.822246			4
5.02	5.03	5.06	939887.7	3123.57296			5
5.13	5.15	5.17	1957802	4638.989447			6

Height summation: **8450814.8**

Concentration CF: **3751.174595** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**21.87**	
4.22	4.24	4.26	5191666	3959.111625			1
4.31	4.33	4.35	2707018	4258.349655			2
4.38	4.40	4.42	3386326	4365.249008			3
4.44	4.46	4.48	2955197	5965.755697			4
4.59	4.61	4.63	1734801	3077.242261			5
4.67	4.69	4.71	4207547	4917.152935			6

Height summation: **20182555**

Concentration CF: **4423.810197** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<501.4749	<97.3451	D1		4	
☑	PCB-1221			<501.4749	<150.4425	D1		3	
☑	PCB-1232			<501.4749	<120.944	D1		4	
☑	PCB-1242			<501.4749	<120.944	D1		4	
☑	PCB-1248			<501.4749	<97.3451	D1		4	
☑	PCB-1254	B	4423.810197	501.4749	129.7935	D2	16.46	4	
☑	PCB-1260			<501.4749	<115.0442	D1		4	

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:38:02

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229396** RI ACF DF10 96A09 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.17 g Total Volume: 100 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.063.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.27094
%SSR(DCB) : 123% (48-164) Conc.: 32.91692

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**92.84**	
3.16	3.18	3.20	20620.14	76.820575			1
+ 3.38	3.40	3.42	28140.87	113.344465			2
3.38	3.41	3.42	40881.37	164.660049			2
3.49	3.51	3.53	96776.38	304.279801			3
3.71	3.73	3.75	162474.1	447.524145			4
3.76	3.78	3.80	61456.04	195.790271			5
3.96	3.98	4.00	213509.4	1010.716752			6
Height Summation:			**595717.43**				
Amount Avg CF:			**366.631932**	Linear:			
Aroclor-1221					**3**	**51.19**	
3.06	3.08	3.10	18229.01	159.110952			1
3.11	3.13	3.15	7628.15	75.629588			2
3.16	3.18	3.20	20620.14	65.785481			3
Height Summation:			**46477.3**				
Amount Avg CF:			**100.17534**	Linear:			
Aroclor-1232					**6**	**101.02**	
3.16	3.18	3.20	20620.14	75.127576			1
+ 3.38	3.40	3.42	28140.87	275.08929			2
3.38	3.41	3.42	40881.37	399.63324			2
3.49	3.51	3.53	96776.38	700.55386			3
3.70	3.73	3.74	162474.1	967.421959			4
3.76	3.78	3.80	61456.04	495.743021			5
E 3.95	3.98	3.99	213509.4	2529.919192			6
Height Summation:			**595717.43**				
Amount Avg CF:			**861.399808**	Linear:			
Aroclor-1242					**6**	**95.06**	
3.16	3.18	3.20	20620.14	55.623642			1
+ 3.37	3.40	3.41	28140.87	89.64114			2
3.37	3.41	3.41	40881.37	130.225278			2
3.49	3.51	3.53	96776.38	229.839676			3
3.70	3.73	3.74	162474.1	310.642604			4
3.76	3.78	3.80	61456.04	153.14081			5
3.95	3.98	3.99	213509.4	785.666914			6
Height Summation:			**595717.43**				
Amount Avg CF:			**277.523154**	Linear:			
Aroclor-1248					**6**	**67.34**	
3.71	3.73	3.75	162474.1	820.038177			1
3.76	3.78	3.80	61456.04	358.409745			2
3.83	3.85	3.87	399330.6	1540.386824			3
3.98	4.00	4.02	158108	1965.689832			4
4.04	4.06	4.08	196064.2	772.170905			5
4.22	4.22	4.26	704559.1	2896.738222			6
+ 4.22	4.24	4.26	191770.4	788.448616			6
Height Summation:			**1681992.04**				
Amount Avg CF:			**1392.238951**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.063.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.32927
%SSR(DCB) : 114% (48-164) Conc.: 30.42473

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**118.31**	
+ 2.88	2.90	2.92	15479.19	31.822537			1
2.88	2.91	2.92	57563.14	118.339857			1
3.21	3.23	3.25	171824	291.723192			2
+ 3.21	3.24	3.25	13156.72	22.33751			2
3.40	3.40	3.44	192607.6	333.151735			3
+ 3.40	3.42	3.44	108642.7	187.918359			3
+ 3.40	3.43	3.44	79772.33	137.981524			3
3.47	3.49	3.51	130651.8	205.518054			4
3.53	3.55	3.57	1185600	2241.743706			5
+ 3.53	3.57	3.57	832071.8	1573.289238			5
3.64	3.66	3.68	502503.1	940.875938			6
Height Summation:			**2240749.64**				
Amount Avg CF:			**688.558747**	Linear:			
Aroclor-1221					**3**	**46.51**	
2.77	2.79	2.81	45450.84	194.351715			1
2.83	2.83	2.87	12056.82	85.310199			2
+ 2.83	2.85	2.87	7181.198	50.811858			2
+ 2.88	2.90	2.92	15479.19	27.112001			3
2.88	2.91	2.92	57563.14	100.822584			3
Height Summation:			**115070.8**				
Amount Avg CF:			**126.828166**	Linear:			
Aroclor-1232					**6**	**133.68**	
+ 2.88	2.90	2.92	15479.19	29.864001			1
2.88	2.91	2.92	57563.14	111.056564			1
3.21	3.23	3.25	171824	659.199138			2
+ 3.21	3.24	3.25	13156.72	50.475478			2
3.40	3.40	3.44	192607.6	748.753601			3
+ 3.40	3.42	3.44	108642.7	422.343733			3
+ 3.40	3.43	3.44	79772.33	310.111436			3
3.47	3.49	3.51	130651.8	492.990793			4
E 3.53	3.55	3.57	1185600	6568.393044			5
E+ 3.53	3.57	3.57	832071.8	4609.796409			5
E 3.63	3.66	3.67	502503.1	2430.777264			6
Height Summation:			**2240749.64**				
Amount Avg CF:			**1835.195067**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229396** RI ACF DF10 96A09 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.17 g Total Volume: 100 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.063.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**27.78**	
4.55	4.56	4.59	628227	2034.320824			1
4.61	4.63	4.65	2327913	3849.658406			2
4.73	4.75	4.77	944010.1	4858.683685			3
4.82	4.84	4.86	1652975	4001.822246			4
5.02	5.03	5.06	939887.7	3123.57296			5
5.13	5.15	5.17	1957802	4638.989447			6
Height Summation:			**8450814.8**				
Amount Avg CF:			**3751.174595**	Linear:			
Aroclor-1260					**6**	**54.39**	
4.73	4.75	4.77	944010.1	1986.905461			1
4.93	4.95	4.97	1373489	2500.621784			2
5.13	5.15	5.17	1957802	2939.672873			3
5.36	5.38	5.40	293254.3	828.102529			4
5.60	5.62	5.64	755057	854.339818			5
5.80	5.82	5.84	564150.3	1011.352153			6
Height Summation:			**5887762.7**				
Amount Avg CF:			**1686.832436**	Linear:			
Aroclor-1262					**6**	**45.11**	
5.20	5.22	5.24	219344.7	395.548199			1
5.36	5.38	5.40	293254.3	606.725445			2
5.60	5.62	5.64	755057	690.285361			3
5.80	5.82	5.84	564150.3	782.786011			4
5.86	5.88	5.90	56790.38	166.61128			5
6.23	6.25	6.27	162614.8	394.354858			6
Height Summation:			**2051211.48**				
Amount Avg CF:			**506.051859**	Linear:			
Aroclor-1268					**6**	**103.80**	
5.80	5.82	5.84	564150.3	454.407649			1
5.86	5.88	5.90	56790.38	50.764574			2
5.99	6.01	6.03	8056.532	7.741871			3
+ 6.06	6.06	6.10	17932.99	61.887495			4
6.06	6.09	6.10	172097.5	593.915634			4
6.23	6.25	6.27	162614.8	360.083404			5
6.43	6.45	6.47	40955.98	11.84501			6
Height Summation:			**1004665.492**				
Amount Avg CF:			**246.459691**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.063.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**129.84**	
+ 2.88	2.90	2.92	15479.19	24.303324			1
2.88	2.91	2.92	57563.14	90.377831			1
3.21	3.23	3.25	171824	224.089188			2
+ 3.21	3.24	3.25	13156.72	17.158713			2
3.40	3.40	3.44	192607.6	227.925266			3
+ 3.40	3.42	3.44	108642.7	128.564067			3
+ 3.40	3.43	3.44	79772.33	94.399855			3
3.47	3.49	3.51	130651.8	156.382041			4
E 3.53	3.55	3.57	1185600	2010.658331			5
+ 3.53	3.57	3.57	832071.8	1411.110068			5
3.63	3.66	3.67	502503.1	706.357378			6
Height Summation:			**2240749.64**				
Amount Avg CF:			**569.298339**	Linear:			
Aroclor-1248					**6**	**89.31**	
3.40	3.40	3.44	192607.6	658.439994			1
+ 3.40	3.42	3.44	108642.7	371.401226			1
+ 3.40	3.43	3.44	79772.33	272.70623			1
3.47	3.49	3.51	130651.8	371.205220			2
3.51	3.53	3.55	913487.1	1583.53255			3
3.64	3.66	3.68	502503.1	711.319191			4
+ 3.73	3.73	3.77	180573.2	368.681198			5
3.73	3.74	3.77	329149.8	672.03407			5
3.86	3.88	3.90	2789212	3238.352481			6
Height Summation:			**4857611.4**				
Amount Avg CF:			**1205.828919**	Linear:			
Aroclor-1254					**6**	**21.87**	
4.22	4.24	4.26	5191666	3959.111625			1
4.31	4.33	4.35	2707018	4258.349655			2
4.38	4.40	4.42	3386326	4365.249008			3
4.44	4.46	4.48	2955197	5965.755697			4
4.59	4.61	4.63	1734801	3077.242261			5
4.67	4.69	4.71	4207547	4917.152935			6
Height Summation:			**20182555**				
Amount Avg CF:			**4423.810197**	Linear:			
Aroclor-1260					**6**	**51.01**	
4.31	4.33	4.35	2707018	2434.563694			1
4.44	4.46	4.48	2955197	2477.672994			2
4.55	4.56	4.59	1936219	1955.240946			3
4.89	4.91	4.93	557186	724.637273			4
5.09	5.10	5.13	1515015	870.041658			5
5.34	5.36	5.38	1295490	1007.46529			6
Height Summation:			**10966125**				
Amount Avg CF:			**1578.270309**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229396** RI ACF DF10 96A09 ID: AC **Batchnumber: 172780031A**
Sample Amount: 10.17 g Total Volume: 100 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.063.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:00:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.063.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**54.89**	
4.70	4.72	4.74	199730.7	167.604751			1
+ 4.70	4.74	4.74	139135.7	116.756234			1
4.89	4.91	4.93	557186	494.405916			2
5.08	5.10	5.12	1515015	644.509899			3
5.30	5.32	5.34	217853.6	233.56979			4
5.34	5.36	5.38	1295490	811.262478			5
5.72	5.74	5.76	380684.8	353.719302			6
Height Summation:			**4165960.1**				
Amount Avg CF:			**450.845356**	Linear:			
Aroclor-1268					**6**	**121.45**	
5.30	5.32	5.34	217853.6	78.424043			1
5.35	5.36	5.39	1295490	459.380704			2
5.50	5.52	5.54	116932.5	45.494012			3
5.57	5.59	5.61	11154.73	15.901489			4
5.72	5.74	5.76	380684.8	337.203608			5
5.92	5.94	5.96	110908.1	10.810047			6
Height Summation:			**2133023.73**				
Amount Avg CF:			**157.868984**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			501.4749	97.3451		** 61.02	4	40	
Aroclor-1221			501.4749	150.4425		23.48	3	5	
Aroclor-1232			501.4749	120.944	E	** 72.22	4	10	
Aroclor-1242			501.4749	120.944		** 68.91	4	30	
Aroclor-1248			501.4749	97.3451		14.35	4	40	
Aroclor-1254			501.4749	129.7935		16.46	4	40	
Aroclor-1260			501.4749	115.0442		6.65	4	40	
Aroclor-1262			501.4749	97.3451		11.54	4	40	
Aroclor-1268			501.4749	97.3451		** 43.82	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:00:18 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: 25PCBS17284001.063.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.01		266	151
2.036		13232	15535
2.086		4505	5778
2.137		13294	8894
2.17		4499	2752
2.204		25965	20631
2.311		458	451
2.329		3566	2391
2.369		950	787
2.394		2807	2294
2.442		490	311
2.49		7971	8054
2.532		935	773
2.569		1958	2106
2.652		15229	11673
2.745		3882	9945
2.896		5446	4788
2.93	TCX	433777	302253
3.018		734	310
3.036		2115	1347
3.079		18229	16102
3.128		7628	7918
3.179		20620	15694
3.233		3875	2080
3.25		35408	23521
3.274		4822	2601
3.316		1546	969
3.397		28141	16255
3.414		40881	30185
3.45		1988	798
3.465		25010	17533
3.512		96776	72177
3.549		521	231
3.562		5525	3021
3.586		70937	51097
3.62		6749	3378
3.636		6304	3433
3.656		670	225
3.69		141328	207530
3.729		162474	156817
3.782		61456	46544
3.823		46084	33829
3.852		399331	304627
3.879		369487	264449
3.901		321537	203025
3.975		213509	159563
3.999		158108	111447
4.03		275274	207285
4.062		196064	213520
4.106		42527	43975
4.138		9344	6140
4.149		9483	5450
4.188		60389	40785
4.224		704559	489353

RT A	Compound A	Height A	Area A
4.24		191770	100152
4.265		695885	599653
4.334		358800	310920
4.376		1376204	1502277
4.411		780039	640007
4.451		100937	72460
4.473		112580	84311
4.514		512736	491816
4.564		628227	560211
4.595		153788	96538
4.626		2327913	2043298
4.675		171171	131937
4.689		20857	7521
4.709		160896	114720
4.751		944010	932185
4.796		217559	201945
4.836		1652975	1576784
4.869		24598	14922
4.897		247704	270853
4.948		1373489	1839813
4.999		68377	55014
5.035		939888	1025055
5.082		130252	104427
5.119		162652	211979
5.152		1957802	1822161
5.175		66344	31203
5.194		74733	44446
5.22		219345	185414
5.262		176638	202848
5.332		5326	3263
5.358		482100	402023
5.381		293254	222899
5.438		170769	159684
5.475		167600	162069
5.515		18842	23691
5.556		377934	355717
5.592		67638	61165
5.617		755057	687924
5.653		15819	11495
5.704		4619	5069
5.735		1561	922
5.778		4128	5177
5.821		564150	540046
5.851		68342	45822
5.877		56790	56837
5.919		1743	1303
5.956		3020	3071
5.987		44646	38880
6.013		8057	5545
6.042		4561	3011
6.063		17933	12978
6.091		172098	159967
6.157		21590	22814
6.193		1862	1258
6.219		22143	16607
6.247		162615	154905
6.292		10834	11053
6.333		8736	9212
6.374		351	385
6.392		613	376
6.45		40956	43077
6.513		3892	4968
6.566		4762	4114
6.6	DCB	322685	334302
6.636		15455	12056
6.676		585	273

RT A	Compound A	Height A	Area A
6.705		890	459
6.763		4027	5684
6.816		946	792
6.85		1749	3002
6.884		5175	10867
6.977		669	171

LANCASTER LABORATORIES

Sample Number: 9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:00:18 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: 25PCBS17284001B.063.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.114		6881	5491
2.159		5806	5302
2.199		6217	11283
2.231		2750	5302
2.303		4227	4289
2.364		31544	22347
2.434		1541	752
2.466		4505	11534
2.531		4308	8817
2.573		1334	994
2.614	TCX	784914	466639
2.656		10263	9678
2.712		3487	4837
2.787		45451	33076
2.832		12057	6824
2.847		7181	3720
2.873		1149	700
2.899		15479	6711
2.91		57563	31543
2.949		2978	2296
3.009		16854	11687
3.071		904	175
3.079		480	82
3.106		42902	19396
3.117		56256	32936
3.145		406	90
3.157		9910	5616
3.178		56512	33338
3.203		3675	1818
3.226		171824	112798
3.244		13157	5150
3.263		140840	87189
3.311		18128	9527
3.326		17679	9063
3.353		3545	1862
3.385		251746	187667
3.405		192608	96303
3.42		108643	54599
3.435		79772	34752
3.494		130652	96353
3.528		913487	556329
3.551		1185600	629635
3.569		832072	454983
3.624		3799	1992
3.655		502503	309312
3.678		343907	183594
3.699		638679	407034
3.728		180573	92696
3.744		329150	194812
3.783		149177	129392
3.826		143349	142031
3.854		221127	130838
3.877		2789212	1756166
3.902		1123205	660497

RT B	Compound B	Height B	Area B
3.921		569499	305043
3.94		773506	457400
3.976		3211133	2131723
4.007		1760194	1085876
4.024		525134	255894
4.045		220423	130572
4.084		301326	228289
4.119		1057349	793631
4.139		20625	15389
4.176		1667662	1201523
4.209		539434	422996
4.236		5191666	3905343
4.273		425540	391852
4.326		2707018	2253287
4.363		488675	390452
4.395		3386326	2264763
4.42		725890	464825
4.462		2955197	2422832
4.513		1992	960
4.53		5237	2790
4.562		1936219	1914306
4.614		1734801	1384643
4.654		724899	636090
4.691		4207547	3695487
4.723		199731	94908
4.738		139136	68543
4.762		329906	251567
4.821		22414	14855
4.832		9754	4370
4.861		54114	31201
4.878		191231	129077
4.911		557186	398321
4.936		1095499	792198
4.985		459319	387636
5.02		235784	184977
5.05		138554	111512
5.083		806563	533371
5.104		1515015	1081922
5.146		34169	22116
5.177		68146	60793
5.219		2955	1933
5.241		11291	8201
5.273		2492	1893
5.296		7204	4487
5.319		217854	191051
5.361		1295490	1267729
5.42		2020	2262
5.463		4482	3534
5.485		1517	812
5.517		116933	98015
5.547		8073	5315
5.563		49098	33087
5.586		11155	5586
5.608		226252	169332
5.634		172567	139931
5.678		16172	15489
5.713		61301	45346
5.741		380685	313640
5.772		24216	18029
5.823		5593	4475
5.872		1402	1329
5.9		1062	180
5.915		1218	884
5.939		110908	93863
5.982		2725	2943
6.02		2551	1771

RT B	Compound B	Height B	Area B
6.057		1378	1134
6.075		9016	4793
6.098	DCB	936724	787628
6.134		50818	39666
6.163		9524	10413
6.228		16880	45999
6.301		55027	48530
6.34		2244	1387
6.373		1278	486
6.388		1127	332
6.402		1411	882
6.452		416	1287
6.467		2530	1769
6.493		1353	739
6.521		1683	1173
6.537		3040	1605
6.576		2033	4562
6.605		918	462
6.634		2208	2544
6.667		1449	701
6.697		1404	848
6.726		1222	701
6.74		1625	878
6.785		1575	2813
6.826		2082	1930
6.88		3355	5847
6.937		2046	1328

9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082

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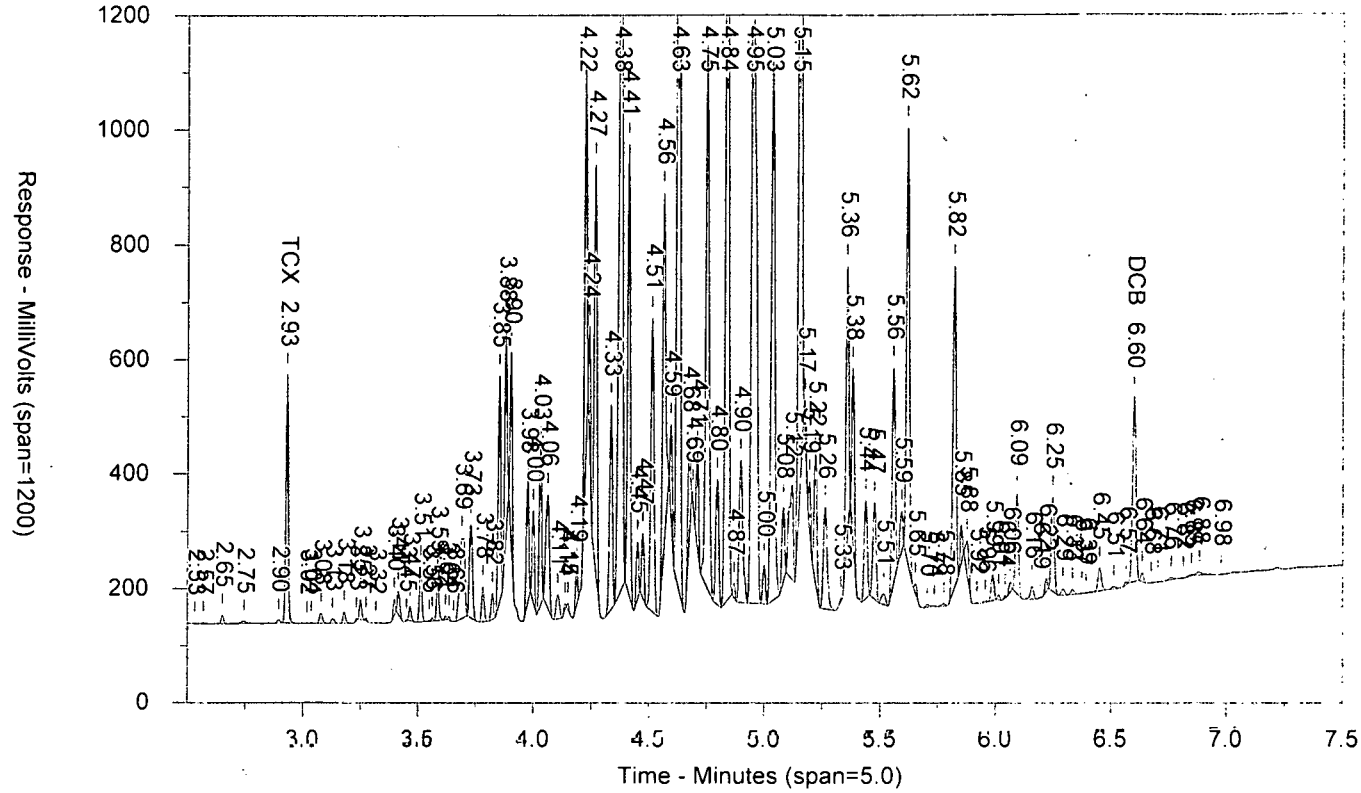

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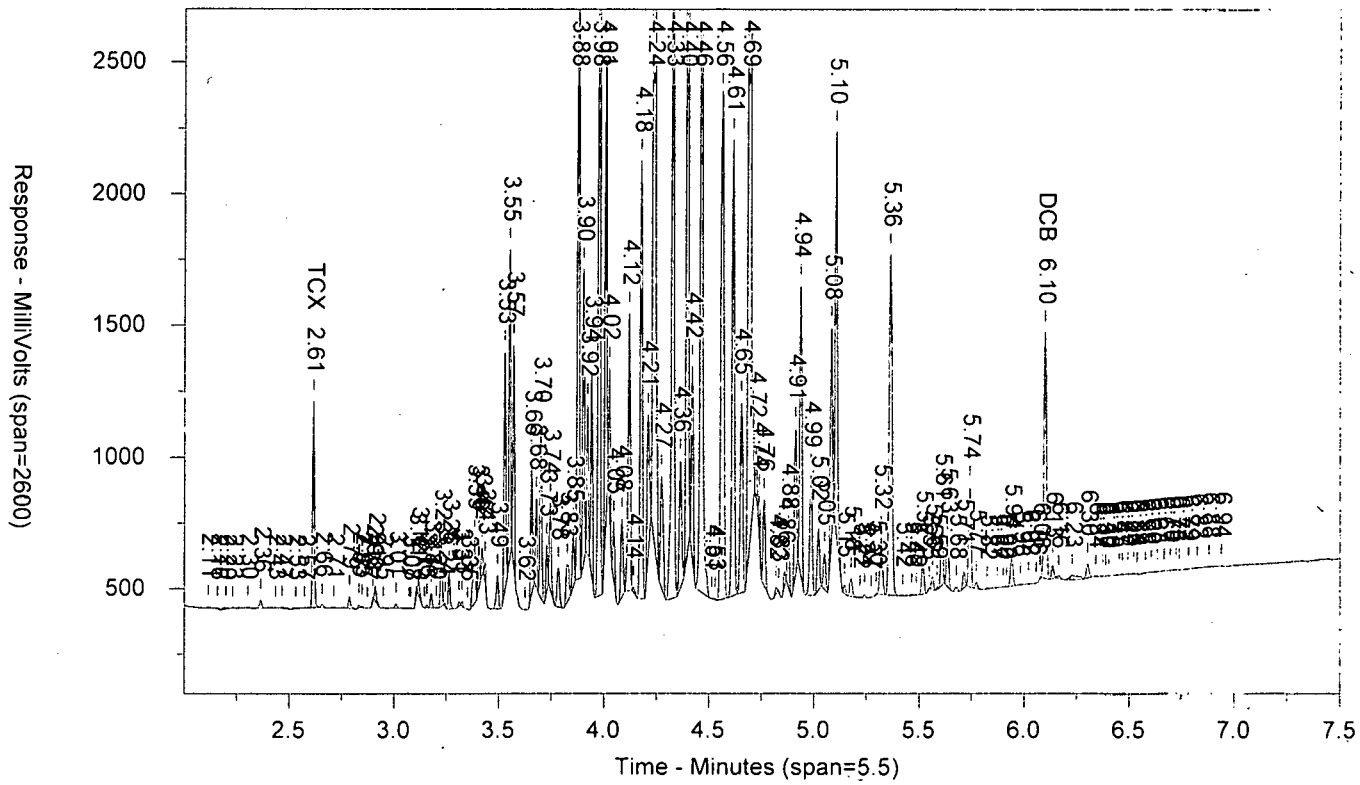


LANCASTER LABORATORIES

Sample Number: 9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:00:18 AM Sample Weight: 10.17
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

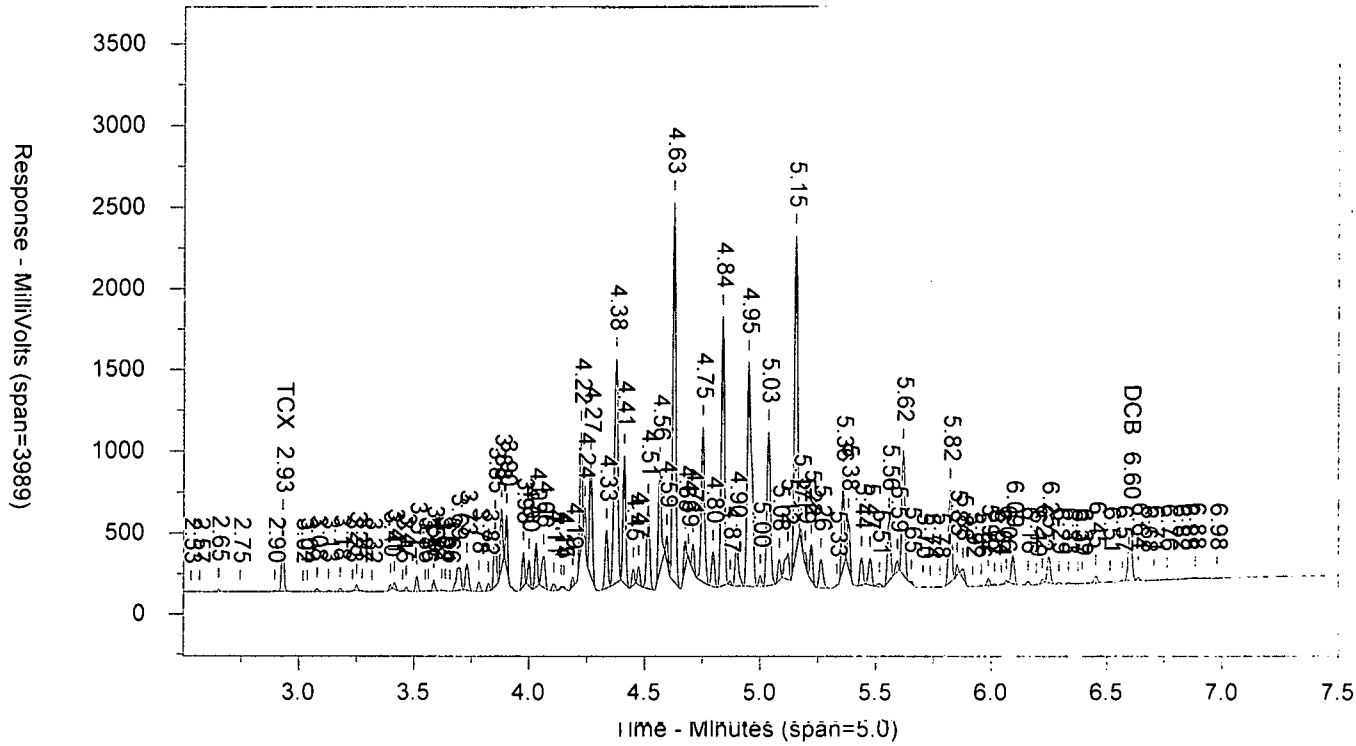
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	433777	28.271	TCX	2.614	784914	28.329	TCX
6.6	322685	32.917	DCB	6.098	936724	30.425	DCB

Files:
Area File: 25PCBS17284001.063.RAW
Area File: 25PCBS17284001B.063.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:30 PM
File Reported On: 10/12/2017 at 4:34:36 PM

9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.063.RAW



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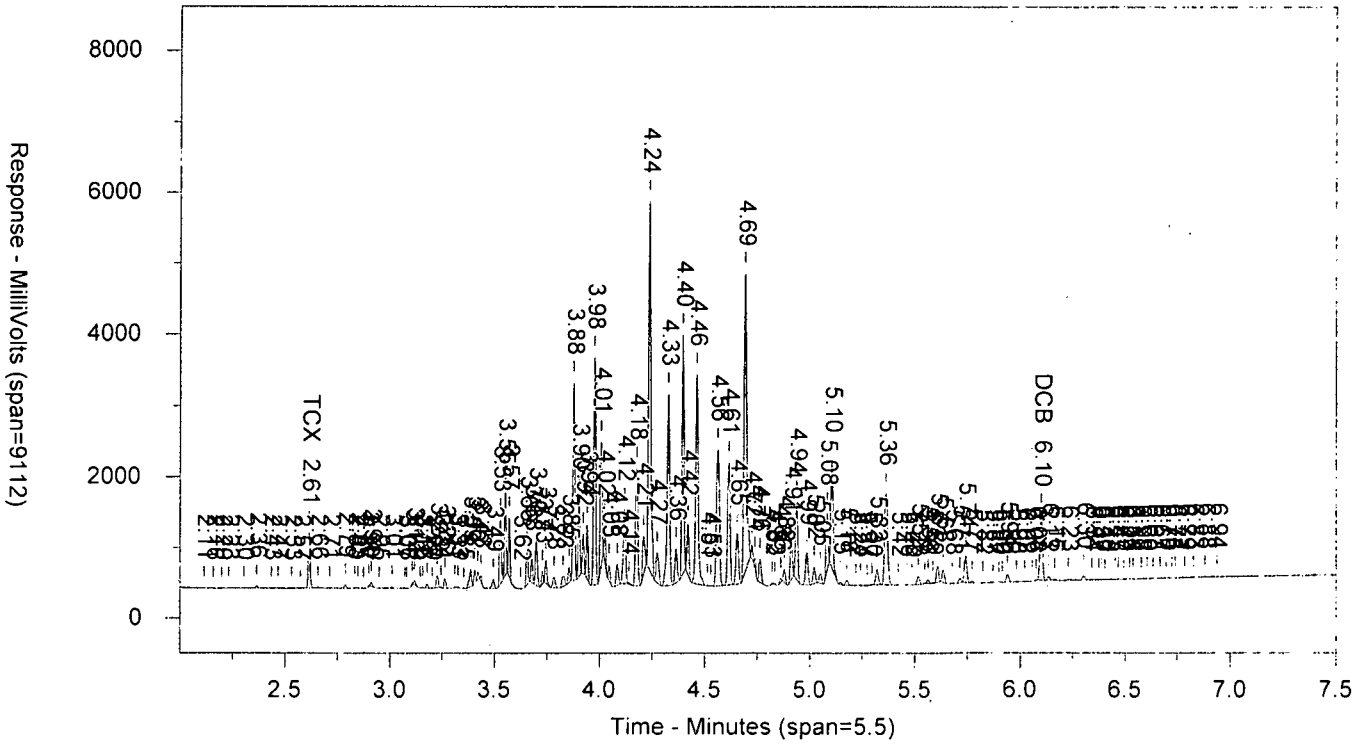

9229396 RI ACF DF10 AC96A09 T 172780031A 10225 SW-846 8082

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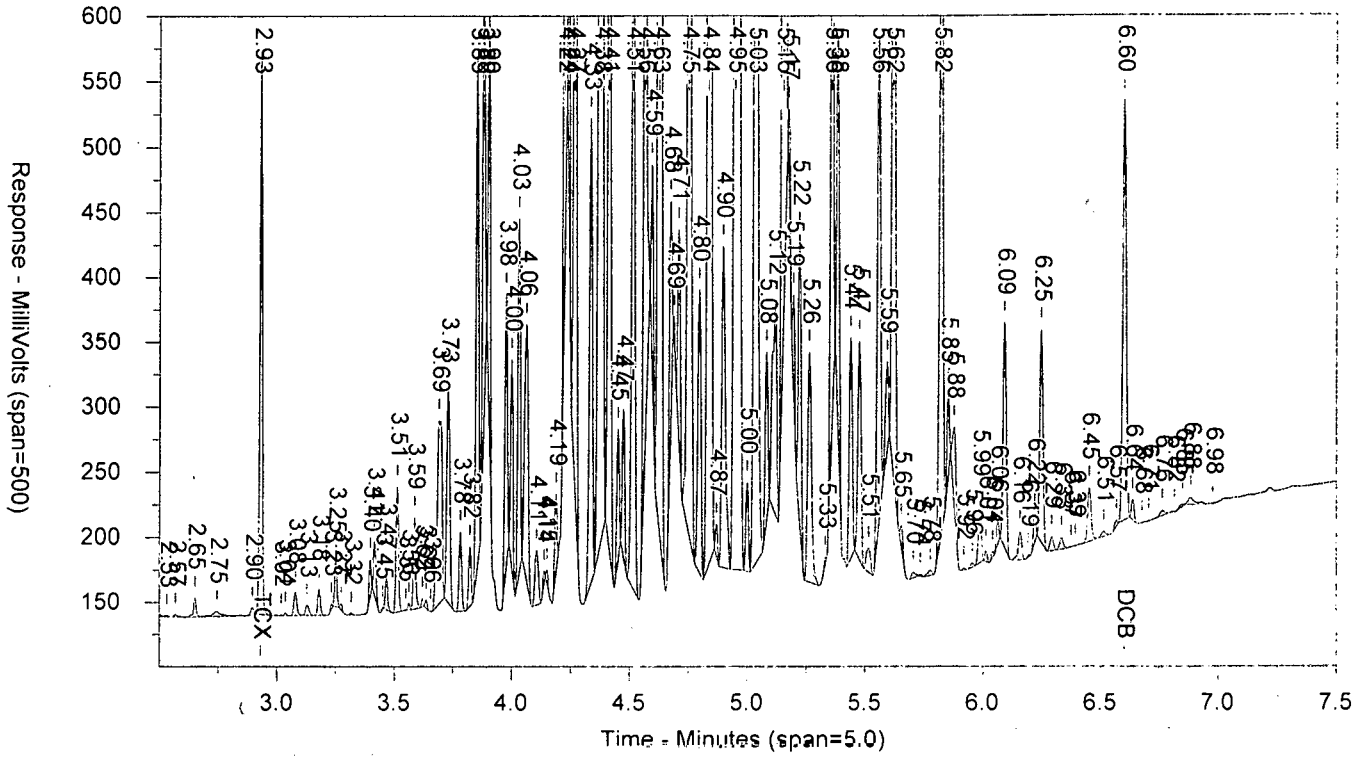

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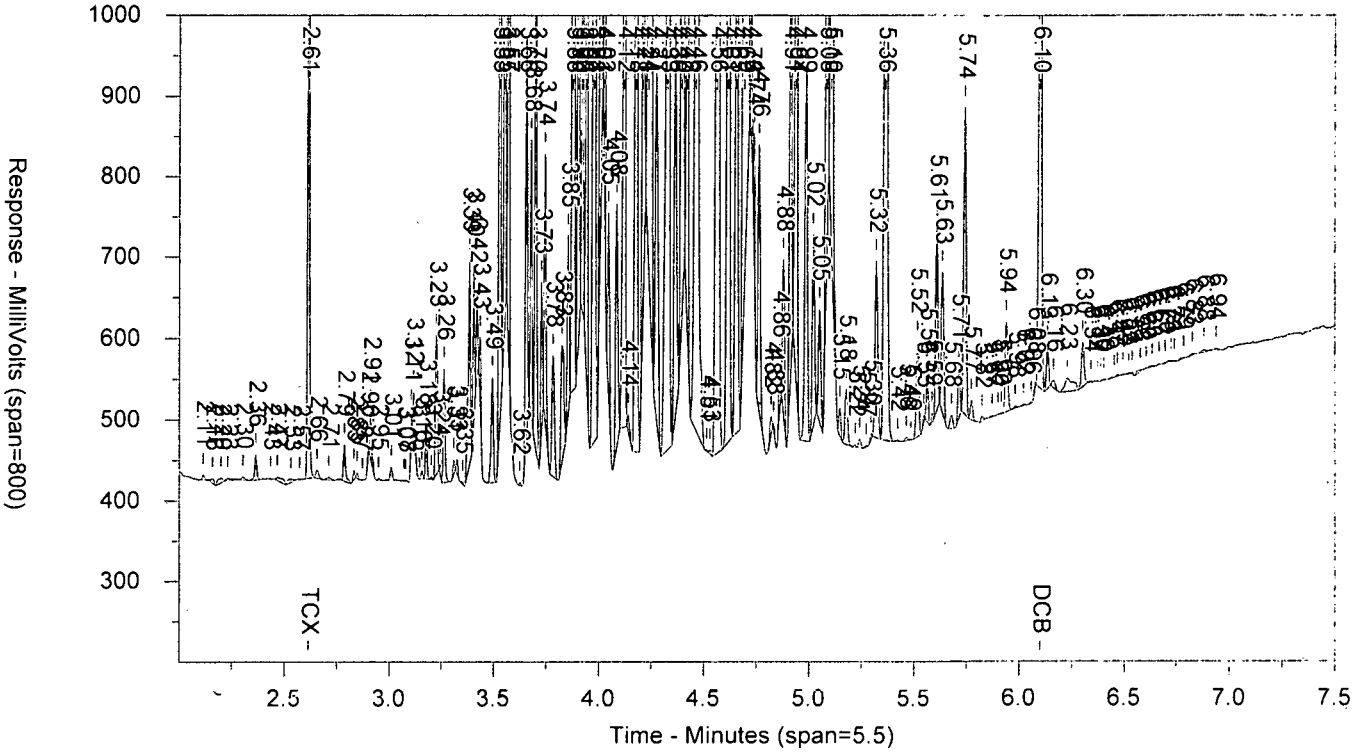

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229397 ACF DF200 96A10 Sample ID: AE **Batchnumber: 172780031A**

Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:23:18
Instrument	18274A
Result file	25PCBS17284001.065.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 262% (61 - 152) Conc: 77.43726

%SSR(DCB) * 174% (48 - 164) Conc: 45.80951

Analysis Report (B)

Injected on	Oct 12, 2017 09:23:18
Instrument	18274B
Result file	25PCBS17284001B.065.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 120% (61 - 152) Conc: 35.46748

%SSR(DCB) 149% (48 - 164) Conc: 39.17262

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	60343	77.43726
Decachlorobiphenyl	6.57	6.61	6.63	22807	45.80951

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	49908	35.46748
Decachlorobiphenyl	6.07	6.10	6.13	61252	39.17262

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	35.46748			P	74.35	
☑	Tetrachloro-m-xylene-D1	A	77.43726					
☑	Tetrachloro-m-xylene-D2	B	35.46748					
☐	Decachlorobiphenyl	A	45.80951				15.62	
☑	Decachlorobiphenyl-D1	A	45.80951					
☑	Decachlorobiphenyl-D2	B	39.17262					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**32.64**	
4.55	4.57	4.59	1030711	65718.91506			1
4.61	4.63	4.65	3166205	103096.781252			2
4.73	4.76	4.77	1136246	115150.275051			3
4.82	4.84	4.86	2338563	111478.524038			4
5.02	5.04	5.06	1056372	69126.281698			5
5.13	5.16	5.17	3376362	157526.726266			6

Height summation: **12104459**

Concentration CF: **103682.917228** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**28.54**	
4.22	4.24	4.26	7127132	107017.901614			1
4.31	4.33	4.35	3696910	114509.015312			2
4.38	4.40	4.42	4350076	110414.911531			3
4.44	4.47	4.48	4211865	167418.750793			4
4.59	4.62	4.63	2051485	71652.442172			5
4.67	4.70	4.71	6618082	152288.641008			6

Height summation: **28055550**

Concentration CF: **120550.277072** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<9874.1528	<1916.7473	D1		4	
☑	PCB-1221			<9874.1528	<2962.2458	D1		3	
☑	PCB-1232			<9874.1528	<2381.4133	D1		4	
☑	PCB-1242			<9874.1528	<2381.4133	D1		4	
☑	PCB-1248			<9874.1528	<1916.7473	D1		4	
☑	PCB-1254	B	120550.277072	9874.1528	2555.6631	D2	15.04	4	
☑	PCB-1260			<9874.1528	<2265.2468	D1		4	

Units: ug/kg

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

Valerie L Tomaylla
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:38:04

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229397** ACF DF200 96A10 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.065.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *262% (61-152) Conc.: 77.43726
%SSR(DCB) : *174% (48-164) Conc.: 45.80951

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**93.12**	
3.16	3.18	3.20	98830.28	7249.809545			1
3.38	3.40	3.42	231500.9	18359.72235			2
3.49	3.52	3.53	2374940	147030.359646			3
3.71	3.74	3.75	1882988	102124.633419			4
3.76	3.79	3.80	238289.2	14947.946032			5
3.96	3.98	4.00	822352.4	76651.570065			6
Height Summation:			**5648900.78**				
Amount Avg CF:			**61060.673509**	Linear:			
Aroclor-1221					**3**	**100.29**	
3.06	3.08	3.10	127541.5	21919.928833			1
3.11	3.14	3.15	13316.72	2599.683054			2
3.16	3.18	3.20	98830.28	6208.391555			3
Height Summation:			**239688.5**				
Amount Avg CF:			**10242.667814**	Linear:			
Aroclor-1232					**6**	**93.51**	
3.16	3.18	3.20	98830.28	7090.035682			1
E 3.38	3.40	3.42	231500.9	44559.41428			2
E 3.49	3.52	3.53	2374940	338513.058472			3
E 3.70	3.74	3.74	1882988	220764.877409			4
3.76	3.79	3.80	238289.2	37848.356237			5
E 3.95	3.98	3.99	822352.4	191866.096907			6
Height Summation:			**5648900.78**				
Amount Avg CF:			**140106.973164**	Linear:			
Aroclor-1242					**6**	**92.54**	
3.16	3.18	3.20	98830.28	5249.385478			1
3.37	3.40	3.41	231500.9	14520.218874			2
E 3.49	3.52	3.53	2374940	111060.314088			3
E 3.70	3.74	3.74	1882988	70888.381017			4
3.76	3.79	3.80	238289.2	11691.799385			5
E 3.95	3.98	3.99	822352.4	59584.054951			6
Height Summation:			**5648900.78**				
Amount Avg CF:			**45499.025632**	Linear:			
Aroclor-1248					**6**	**89.69**	
E 3.71	3.74	3.75	1882988	187132.022297			1
3.76	3.79	3.80	238289.2	27363.410374			2
3.83	3.86	3.87	2141645	162665.448566			3
E+ 3.98	3.98	4.02	822352.4	201312.034289			4
E 3.98	4.01	4.02	1594110	390238.451277			4
4.04	4.07	4.08	715419.5	55478.732747			5
4.22	4.23	4.26	883358.8	71512.109325			6
+ 4.22	4.25	4.26	612870.6	49614.799048			6
Height Summation:			**7455810.5**				
Amount Avg CF:			**149065.029098**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.065.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 120% (61-152) Conc.: 35.46748
%SSR(DCB) : 149% (48-164) Conc.: 39.17262

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**120.24**	
2.88	2.90	2.92	188062.1	7612.695713			1
3.21	3.23	3.25	4431357	148140.736276			2
+ 3.21	3.24	3.25	17923.56	599.186519			2
3.40	3.41	3.44	3622065	123360.331235			3
+ 3.40	3.44	3.44	3552072	120976.508839			3
3.47	3.49	3.51	520705	16127.86785			4
E 3.53	3.55	3.57	11989410	446371.242624			5
3.64	3.66	3.68	1873780	69081.672392			6
Height Summation:			**22625379.1**				
Amount Avg CF:			**135115.757682**	Linear:			
Aroclor-1221					**3**	**88.22**	
2.77	2.79	2.81	245910.3	20704.932065			1
2.83	2.85	2.87	26961.08	3756.263843			2
2.88	2.90	2.92	188062.1	6485.825412			3
Height Summation:			**460933.48**				
Amount Avg CF:			**10315.673773**	Linear:			
Aroclor-1232					**6**	**135.17**	
2.88	2.90	2.92	188062.1	7144.16807			1
E 3.21	3.23	3.25	4431357	334749.681377			2
+ 3.21	3.24	3.25	17923.56	1353.965839			2
E 3.40	3.41	3.44	3622065	277250.521132			3
E+ 3.40	3.44	3.44	3552072	271892.915533			3
3.47	3.49	3.51	520705	38687.065293			4
E+ 3.53	3.53	3.57	4349196	474439.182425			5
E 3.53	3.55	3.57	11989410	1307884.463739			5
E 3.63	3.66	3.67	1873780	178474.283232			6
Height Summation:			**22625379.1**				
Amount Avg CF:			**357365.030474**	Linear:			
Aroclor-1242					**6**	**132.37**	
2.88	2.90	2.92	188062.1	5813.923957			1
E 3.21	3.23	3.25	4431357	113795.331102			2
+ 3.21	3.24	3.25	17923.56	460.269268			2
E 3.40	3.41	3.44	3622065	84396.787805			3
E+ 3.40	3.44	3.44	3552072	82765.899246			3
3.47	3.49	3.51	520705	12271.957832			4
E+ 3.53	3.53	3.57	4349196	145231.122486			5
E 3.53	3.55	3.57	11989410	400358.013813			5
E 3.63	3.66	3.67	1873780	51862.681382			6
Height Summation:			**22625379.1**				
Amount Avg CF:			**111416.449315**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229397** ACF DF200 96A10 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.065.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	32.64	
4.55	4.57	4.59	1030711	65718.91506			1
4.61	4.63	4.65	3166205	103096.781252			2
+ 4.73	4.74	4.77	151728	15376.530199			3
4.73	4.76	4.77	1136246	115150.275051			3
4.82	4.84	4.86	2338563	111478.524038			4
5.02	5.04	5.06	1056372	69126.281698			5
5.13	5.16	5.17	3376362	157526.726266			6
Height Summation:			**12104459**				
Amount Avg CF:			**103682.917228**	Linear:			
Aroclor-1260					6	57.68	
+ 4.73	4.74	4.77	151728	6288.063559			1
4.73	4.76	4.77	1136246	47089.443388			1
4.93	4.95	4.97	2226856	79829.90011			2
5.13	5.16	5.17	3376362	99822.82764			3
5.36	5.36	5.40	541283.5	30096.440706			4
+ 5.36	5.39	5.40	407519.9	22658.918121			4
5.60	5.62	5.64	1178448	26254.996228			5
5.80	5.83	5.84	922184.8	32551.886811			6
Height Summation:			**9381380.3**				
Amount Avg CF:			**52607.582481**	Linear:			
Aroclor-1262					6	46.07	
+ 5.20	5.20	5.24	85791.3	3046.254208			1
5.20	5.23	5.24	347277.2	12331.024614			1
5.36	5.36	5.40	541283.5	22050.743402			2
+ 5.36	5.39	5.40	407519.9	16601.497637			2
+ 5.60	5.60	5.64	108172.9	1947.233466			3
5.60	5.62	5.64	1178448	21213.385089			3
5.80	5.83	5.84	922184.8	25195.142498			4
5.86	5.88	5.90	93927.52	5425.916549			5
6.23	6.25	6.27	257878.8	12313.836819			6
Height Summation:			**3340999.82**				
Amount Avg CF:			**16421.674828**	Linear:			
Aroclor-1268					6	122.62	
5.80	5.83	5.84	922184.8	14625.792119			1
5.86	5.88	5.90	93927.52	1653.215437			2
5.99	6.02	6.03	6466.115	122.346591			3
6.06	6.07	6.10	35802.36	2432.834011			4
+ 6.23	6.23	6.27	63372	2763.064845			5
6.23	6.25	6.27	257878.8	11243.701424			5
+ 6.43	6.43	6.47	525.3043	2.991436			6
6.43	6.46	6.47	73090.87	416.228557			6
Height Summation:			**1389350.465**				
Amount Avg CF:			**5082.353023**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.065.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	75.29	
E 3.40	3.41	3.44	3622065	243808.953039			1
E+ 3.40	3.44	3.44	3552072	239097.574295			1
3.47	3.49	3.51	520705	29137.101383			2
3.51	3.53	3.55	4349196	148451.360893			3
3.64	3.66	3.68	1873780	52226.991227			4
+ 3.73	3.73	3.77	134916.4	5423.917398			5
3.73	3.75	3.77	1375448	55295.844962			5
+ 3.86	3.86	3.90	253463.4	5794.400057			6
3.86	3.88	3.90	4830616	110432.202942			6
Height Summation:			**16571810**				
Amount Avg CF:			**106558.742408**	Linear:			
Aroclor-1254					6	28.54	
4.22	4.24	4.26	7127132	107017.901614			1
4.31	4.33	4.35	3696910	114509.015312			2
4.38	4.40	4.42	4350076	110414.911531			3
4.44	4.47	4.48	4211865	167418.750793			4
4.59	4.62	4.63	2051485	71652.442172			5
4.67	4.70	4.71	6618082	152288.641008			6
Height Summation:			**28055550**				
Amount Avg CF:			**120550.277072**	Linear:			
Aroclor-1260					6	47.92	
4.31	4.33	4.35	3696910	65466.557223			1
4.44	4.47	4.48	4211865	69531.663476			2
4.55	4.57	4.59	2180599	43358.299566			3
4.89	4.92	4.93	778116.7	19925.803201			4
+ 5.09	5.09	5.13	1137890	12866.90286			5
5.09	5.11	5.13	2474677	27982.870549			5
5.34	5.37	5.38	2024066	30993.550082			6
Height Summation:			**15366233.7**				
Amount Avg CF:			**42876.45735**	Linear:			
Aroclor-1262					6	49.30	
4.70	4.73	4.74	470956.6	7781.673687			1
4.89	4.92	4.93	778116.7	13594.987928			2
+ 5.08	5.09	5.12	1137890	9531.550802			3
5.08	5.11	5.12	2474677	20729.164985			3
+ 5.30	5.30	5.34	12373.65	261.216367			4
5.30	5.32	5.34	362488.2	7652.378285			4
5.34	5.37	5.38	2024066	24957.588601			5
5.72	5.74	5.76	623762.9	11412.04275			6
Height Summation:			**6734067.4**				
Amount Avg CF:			**14354.639373**	Linear:			

Poor pattern

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229397** ACF DF200 96A10 ID: AE **Batchnumber: 172780031A**
Sample Amount: 10.33 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274A
Result file : 25PCBS17284001.065.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:23:18
Instrument : CP25--18274B
Result file : 25PCBS17284001B.065.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**107.64**	
+ 5.30	5.30	5.34	12373.65	87.706734			1
5.30	5.32	5.34	362488.2	2569.383835			1
5.35	5.37	5.39	2024066	14132.336847			2
5.50	5.52	5.54	189317.8	1450.310787			3
5.57	5.57	5.61	89021.58	2498.760596			4
+ 5.57	5.59	5.61	3184.981	89.399728			4
5.72	5.74	5.76	623762.9	10879.19707			5
5.92	5.94	5.96	187584.3	360.007418			6

Height Summation: **3476240.78**
Amount Avg CF: **5314.999426** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			9874.1528	1916.7473		** 75.50	4	40	
Aroclor-1221			9874.1528	2962.2458		0.71	3	5	
Aroclor-1232			9874.1528	2381.4133	E	** 87.34	4	10	
Aroclor-1242			9874.1528	2381.4133	E	** 84.02	4	30	
Aroclor-1248			9874.1528	1916.7473	E	33.26	4	40	
Aroclor-1254			9874.1528	2555.6631		15.04	4	40	
Aroclor-1260			9874.1528	2265.2468		20.38	4	40	
Aroclor-1262			9874.1528	1916.7473		13.43	4	40	
Aroclor-1268			9874.1528	1916.7473		4.48	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:23:18 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: 25PCBS17284001.065.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.047		11750	15636
2.079		335	315
2.094		1124	885
2.136		1151	1162
2.205		21125	17170
2.297		304	146
2.331		4561	3102
2.388		1603	3331
2.49		4267	4503
2.53		1475	1760
2.571		6002	4946
2.636		793	486
2.653		12745	8029
2.71		425	591
2.748		3394	5097
2.806		946	704
2.844		1160	992
2.896		2851	2755
2.928	TCX	60343	51744
3.037		1027	538
3.081		127542	103289
3.136		13317	9837
3.182		98830	75593
3.237		1205	744
3.253		5370	2900
3.276		111788	81242
3.318		11236	7858
3.399		231501	131439
3.416		651571	410499
3.453		26588	15488
3.469		21775	14864
3.516		2374941	1748584
3.553		10551	5280
3.567		13365	5680
3.586		126566	114209
3.625		54064	30616
3.641		43606	24641
3.695		3709384	4494332
3.74		1882988	1477167
3.789		238289	177532
3.828		778981	589407
3.857		2141645	1482208
3.883		5415611	3651320
3.907		7709279	5520269
3.981		822352	598004
4.006		1594110	1151903
4.036		2353325	1779136
4.068		715420	704033
4.116		317334	281102
4.143		261155	250519
4.195		411954	333579
4.229		883359	582523
4.247		612871	330154
4.271		3871817	3282397

RT A	Compound A	Height A	Area A
4.31		34473	21108
4.341		1377625	1148730
4.379		2722451	3059913
4.417		1282007	1091029
4.458		576819	429838
4.48		314884	214988
4.52		640771	589839
4.57		1030711	1014134
4.6		103788	58362
4.632		3166205	2793666
4.681		558110	582298
4.714		135808	83576
4.736		151728	94786
4.757		1136246	986500
4.802		565244	500250
4.842		2338563	2305688
4.875		22045	12447
4.903		379930	384246
4.955		2226856	2736077
5.006		118136	97019
5.04		1056372	1154991
5.087		185409	144874
5.124		229708	273533
5.158		3376362	3377399
5.199		85791	56755
5.226		347277	294851
5.268		268729	287102
5.339		6187	4741
5.363		541284	446758
5.387		407520	318242
5.443		238715	222549
5.48		292574	293656
5.521		24137	26169
5.561		535214	501978
5.598		108173	87892
5.622		1178448	1097586
5.659		26869	22025
5.712		8525	13916
5.782		6398	7058
5.825		922185	858514
5.855		99568	71032
5.881		93928	98660
5.922		4911	4744
5.965		770	993
5.991		82741	74757
6.017		6466	4213
6.047		17687	11941
6.067		35802	24439
6.097		383417	368441
6.163		55881	56397
6.201		3469	2740
6.226		63372	48603
6.253		257879	249217
6.297		18898	19042
6.339		4736	4981
6.375		401	208
6.391		540	145
6.429		525	303
6.457		73091	77290
6.526		1023	1674
6.571		20206	19303
6.607	DCB	22807	21520
6.643		56094	54955
6.708		488	289
6.77		6419	9346
6.819		743	465

RT A	Compound A	Height A	Area A
6.85		1273	946
6.892		4979	6878
6.935		2122	2263
6.964		400	162

LANCASTER LABORATORIES

Sample Number: 9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:23:18 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: 25PCBS17284001B.065.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.023		3079	1481
2.046		7143	7177
2.067		7263	6506
2.099		8098	15207
2.162		5116	4688
2.188		3506	2494
2.211		2899	2035
2.227		4418	3452
2.303		15093	24071
2.363		28345	29737
2.444		2018	2466
2.463		4126	2832
2.487		5129	4834
2.537		7295	9515
2.572		3223	3037
2.595		1406	880
2.614	TCX	49908	30579
2.655		60841	64190
2.713		4675	7713
2.76		1617	1148
2.786		245910	162370
2.847		26961	21321
2.899		188062	139524
2.95		4394	2976
2.972		2457	1198
3.009		220218	158366
3.078		1421	1319
3.105		270218	120285
3.117		1048904	514236
3.157		81329	47371
3.178		69711	39376
3.203		21494	10204
3.226		4431357	2679574
3.245		17924	6078
3.265		147133	87505
3.314		298649	310633
3.355		9830	4876
3.387		6236880	4287452
3.407		3622065	2027133
3.438		3552072	2083004
3.495		520705	541366
3.531		4349196	2724044
3.554		11989410	6273093
3.573		17228340	9665523
3.659		1873780	1041959
3.682		3329616	1846480
3.703		5510504	3408071
3.733		134916	60229
3.749		1375448	954713
3.786		772365	598928
3.837		709714	507953
3.858		253463	146903
3.88		4830616	3069391
3.905		5842978	3401577

RT B	Compound B	Height B	Area B
3.925		2951518	1604123
3.945		2851256	1678295
3.981		6363814	4437228
4.012		3062746	1816816
4.029		1051668	515720
4.051		1568325	969560
4.089		987078	765427
4.123		1321254	924752
4.144		111489	57855
4.18		2760593	1944082
4.215		539413	496538
4.241		7127132	5522744
4.278		622667	523694
4.331		3696910	3638552
4.368		1280281	1119041
4.4		4350076	2914802
4.424		1252267	830144
4.467		4211865	3929647
4.521		21413	17575
4.567		2180599	2308874
4.619		2051485	1647453
4.658		1062806	922642
4.695		6618083	5771788
4.727		470957	384754
4.767		534784	395036
4.825		55800	73383
4.865		64780	40489
4.882		283984	194280
4.915		778117	552534
4.939		1211347	920720
4.989		764299	645626
5.024		348817	285630
5.053		228754	182602
5.086		1137890	783864
5.108		2474677	1785204
5.149		51785	34999
5.18		102644	88694
5.201		3161	1546
5.221		7137	4326
5.246		9251	6314
5.279		1103	901
5.3		12374	8059
5.322		362488	321551
5.365		2024066	2061383
5.419		1239	818
5.465		9051	6713
5.487		2748	1543
5.52		189318	156572
5.55		32465	18988
5.566		89022	59498
5.59		3185	1442
5.61		620780	467452
5.637		286751	220610
5.68		28046	26769
5.716		160434	118358
5.744		623763	514135
5.775		39801	32010
5.824		16826	14190
5.869		1012	1026
5.881		1532	741
5.943		187584	164252
5.989		1633	2053
6.01		1274	285
6.026		2811	2106
6.079		56359	39381
6.102	DCB	61252	45849

RT B	Compound B	Height B	Area B
6.138		154515	132151
6.17		4688	3865
6.231		23248	29699
6.277		3842	2258
6.305		10170	9441
6.339		3965	2854
6.372		3849	2459
6.41		4745	7356
6.44		2595	2061
6.471		9703	9178
6.501		1163	290
6.526		3795	2838
6.551		2071	1538
6.576		1826	1073
6.612		4002	3741
6.642		7650	8736
6.688		2133	1843
6.742		480	388
6.754		1838	1265
6.793		1417	2430
6.81		933	668
6.836		2184	2842
6.877		1011	2069
6.902		1588	1416
6.952		1760	1138
6.971		1436	749

9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082

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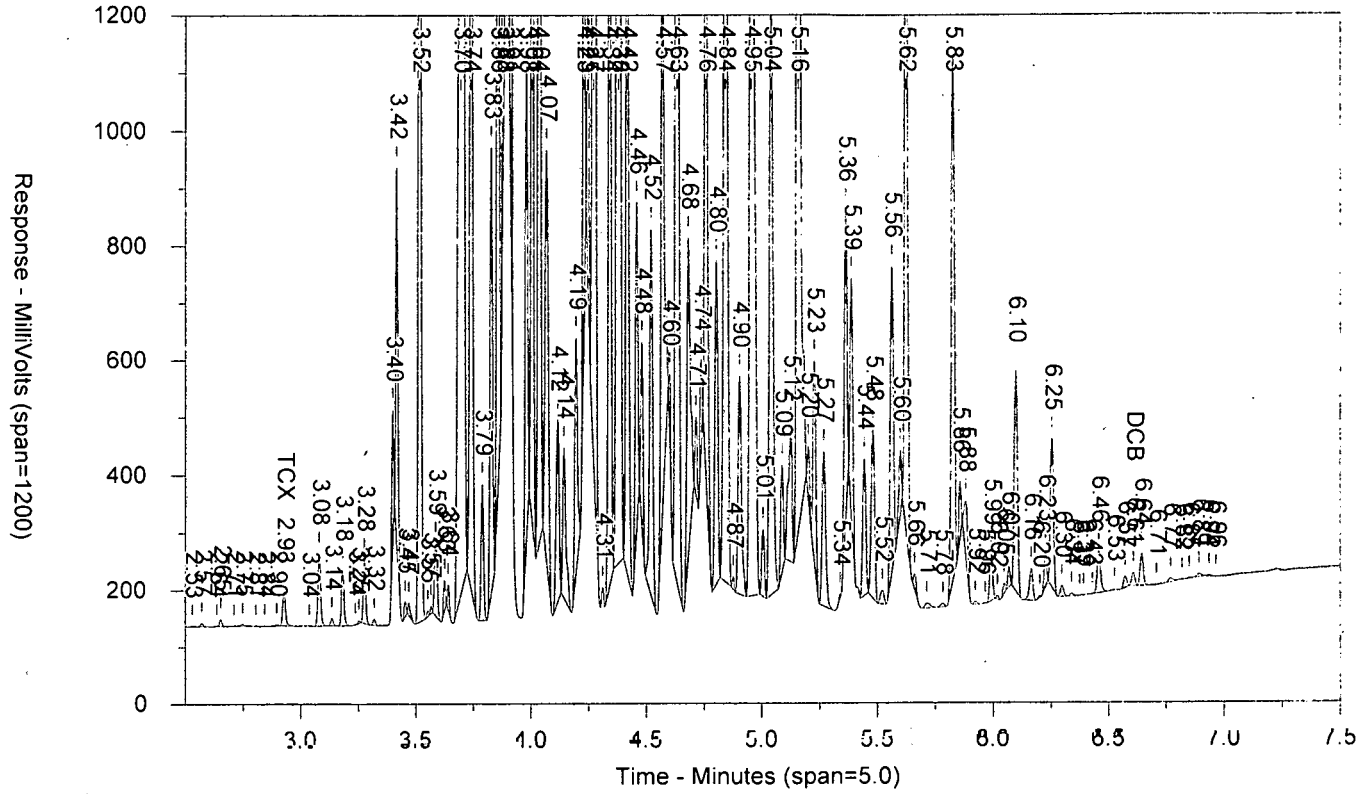

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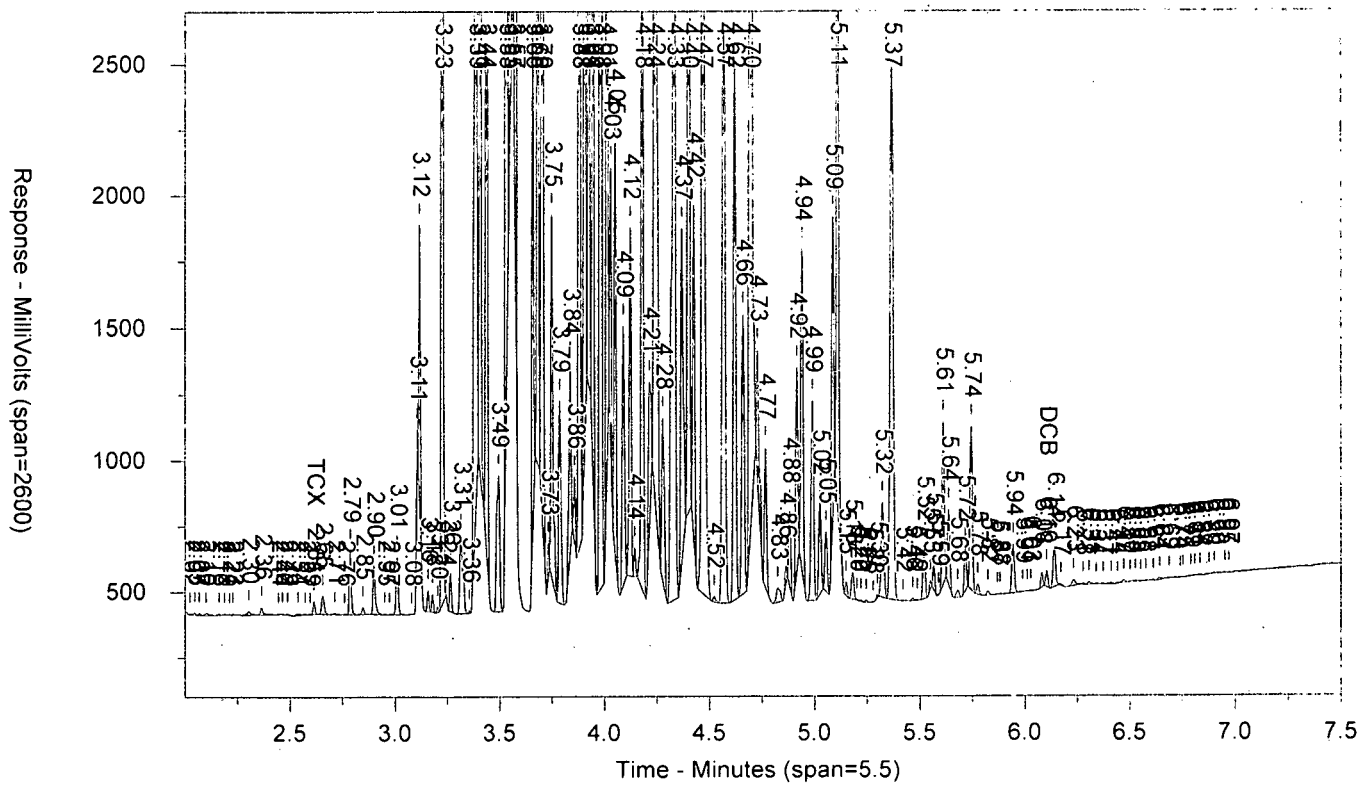

LANCASTER LABORATORIES

Sample Number: 9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:23:18 AM Sample Weight: 10.33
Instrument ID: CP25-18274 Dilution Factor: 2000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	60343	77.437	TCX	2.614	49908	35.467	TCX
6.607	22807	45.81	DCB	6.102	61252	39.173	DCB

Files:
Area File: 25PCBS17284001.065.RAW
Area File: 25PCBS17284001B.065.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:31 PM
File Reported On: 10/12/2017 at 4:35:02 PM

9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082

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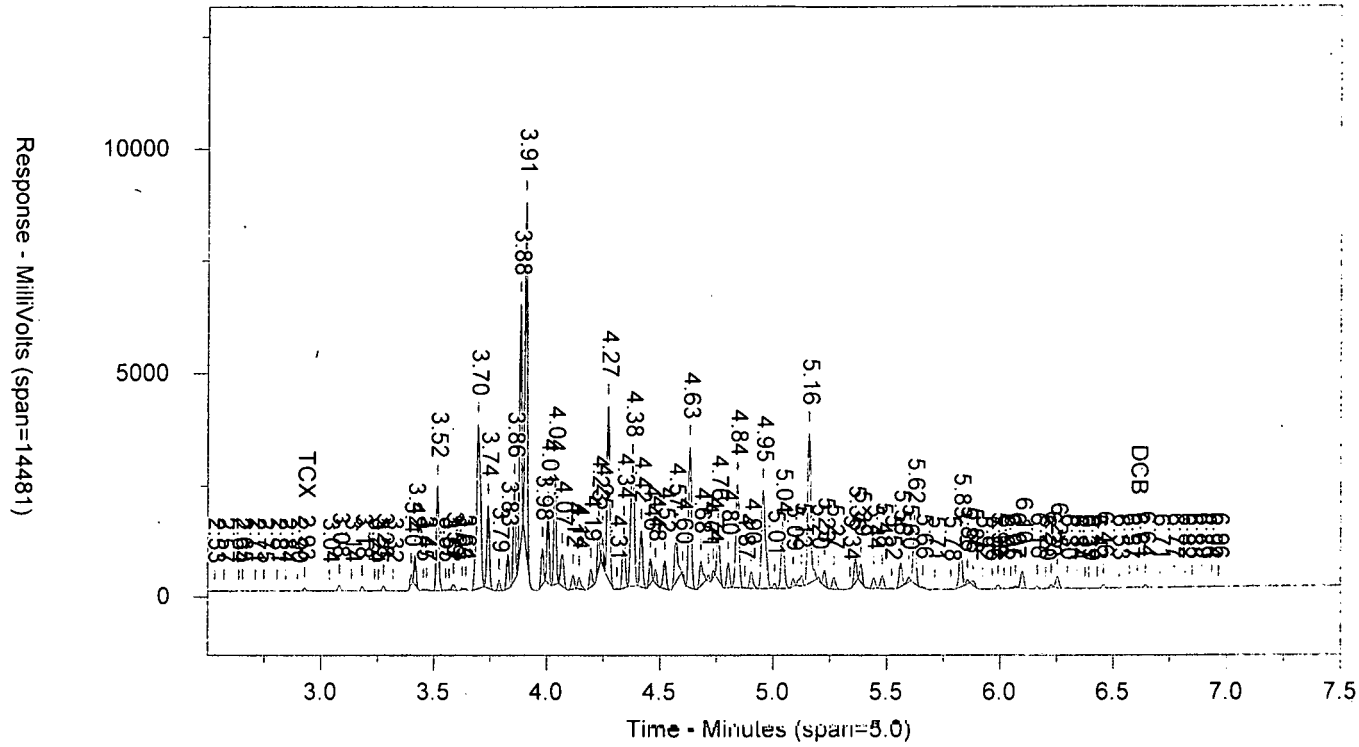

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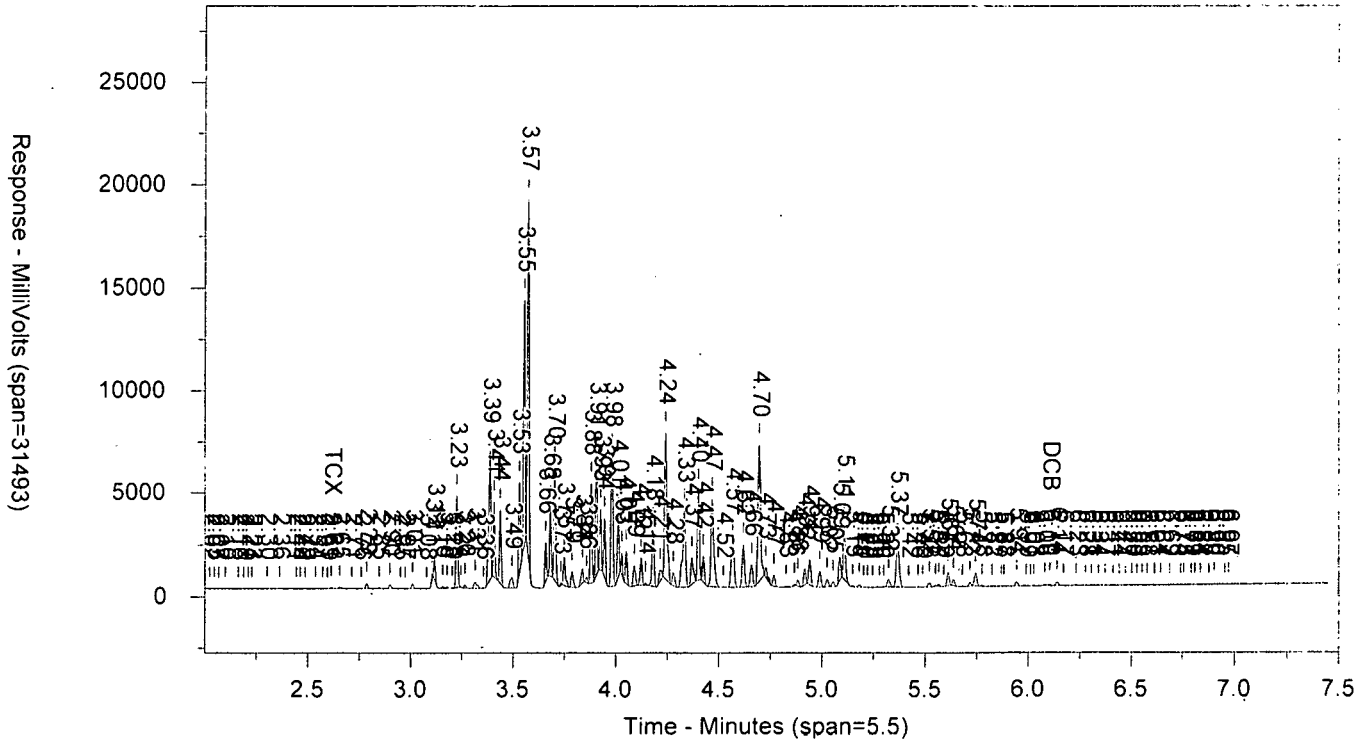

9229397 ACF DF200 AE96A10 T 172780031A 10225 SW-846 8082

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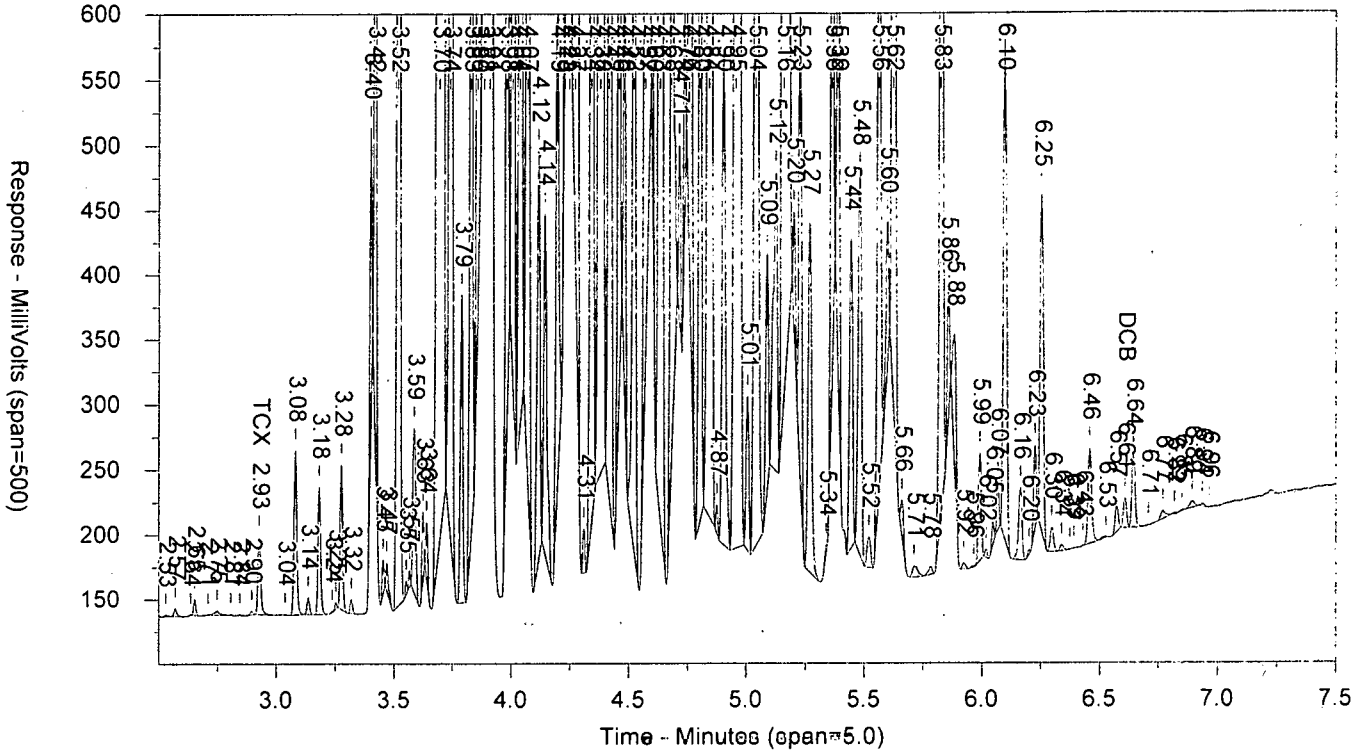

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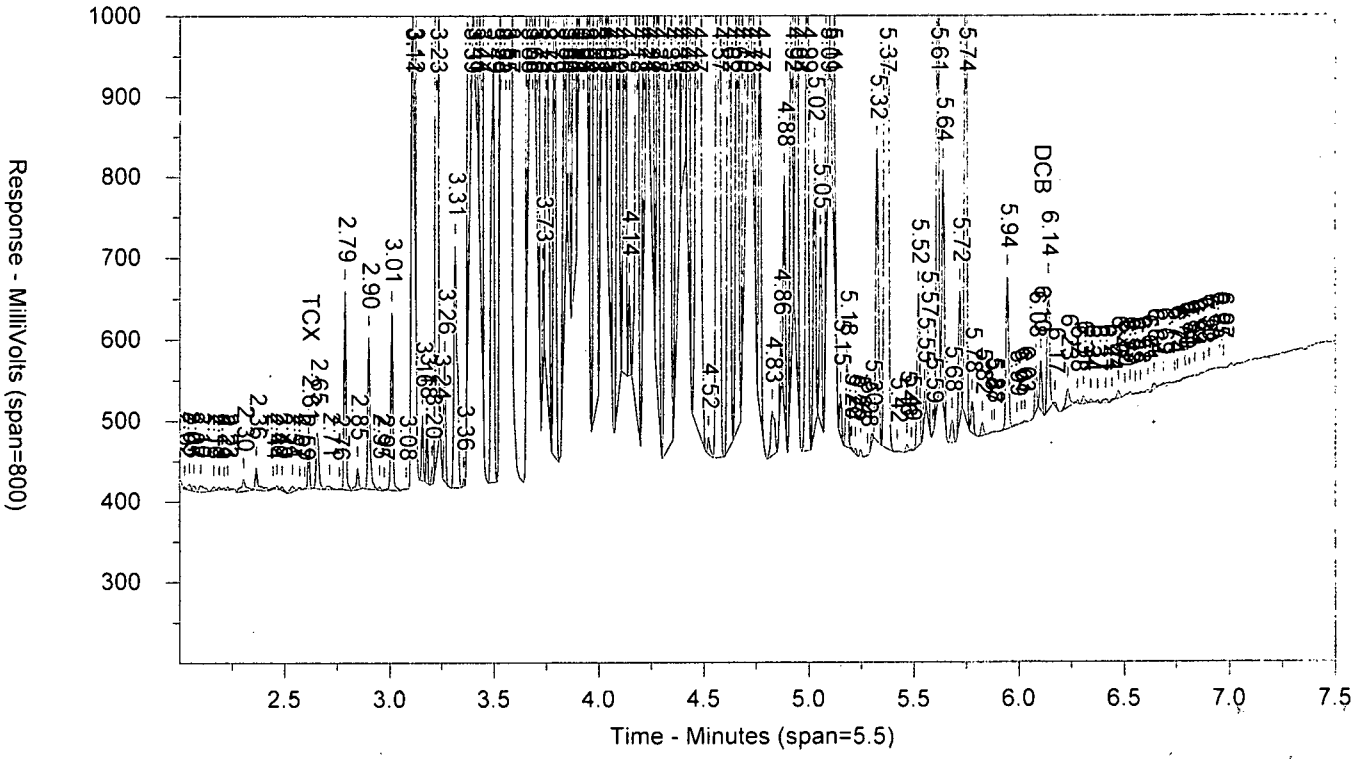

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229398 RI ACF DF500 96A11 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.25 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:46:20
Instrument	18274A
Result file	25PCBS17284001.067.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 240% (61 - 152) Conc: 71.62884

%SSR(DCB) * 180% (48 - 164) Conc: 47.60109

Analysis Report (B)

Injected on	Oct 12, 2017 09:46:20
Instrument	18274B
Result file	25PCBS17284001B.067.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 139% (61 - 152) Conc: 41.52918

%SSR(DCB) * 173% (48 - 164) Conc: 45.8169

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	22154	71.62884
Decachlorobiphenyl	6.57	6.60	6.63	9406	47.60109

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	23194	41.52918
Decachlorobiphenyl	6.07	6.10	6.13	28434	45.8169

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	41.52918			P	53.20	
☑	Tetrachloro-m-xylene-D1	A	71.62884					
☑	Tetrachloro-m-xylene-D2	B	41.52918					
☐	Decachlorobiphenyl	A	47.60109				3.82	
☑	Decachlorobiphenyl-D1	A	47.60109					
☑	Decachlorobiphenyl-D2	B	45.8169					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**52.17**	
4.55	4.57	4.59	169474.1	27225.337689			1
4.61	4.63	4.65	1007577	82661.024997			2
4.73	4.75	4.77	486116.5	124122.192812			3
4.82	4.84	4.86	637163.4	76526.071958			4
5.02	5.04	5.06	291195.4	48009.511877			5
5.13	5.16	5.17	1199626	141015.735994			6

Height summation: **3791152.4**

Concentration CF: **83259.979221** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**46.31**	
4.22	4.24	4.26	2132314	80669.478977			1
4.31	4.33	4.35	1417168	110595.792303			2
4.38	4.40	4.42	1065654	68149.640387			3
4.44	4.47	4.48	1709748	171229.356154			4
4.59	4.62	4.63	473831.8	41696.856994			5
4.67	4.69	4.71	2189968	126966.632474			6

Height summation: **8988683.8**

Concentration CF: **99884.626215** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<24878.0494	<4829.2684	D1		4	
☑	PCB-1221			<24878.0494	<7463.4148	D1		3	
☑	PCB-1232			<24878.0494	<6000.0002	D1		4	
☑	PCB-1242			<24878.0494	<6000.0002	D1		4	
☑	PCB-1248			<24878.0494	<4829.2684	D1		4	
☑	PCB-1254	B	99884.626215	24878.0494	6439.0246	D2	18.15	4	
☑	PCB-1260			<24878.0494	<5707.3172	D1		4	

Units: ug/kg

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

Valerie L Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:38:06

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229398** RI ACF DF500 96A11 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.25 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274A
Result file : 25PCBS17284001.067.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *240% (61-152) Conc.: 71.62884
%SSR(DCB) : *180% (48-164) Conc.: 47.60109

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	77.73	
3.16	3.18	3.20	35563.95	6572.990849			1
3.38	3.40	3.42	76504.38	15286.786149			2
3.49	3.51	3.53	422302.6	65871.051696			3
3.71	3.74	3.75	414628.3	56657.62481			4
3.76	3.79	3.80	84614.67	13373.321699			5
3.96	3.98	4.00	312203.6	73319.156865			6
Height Summation:			**1345817.5**				
Amount Avg CF:			**38513.488678**	Linear:			
Aroclor-1221					3	87.43	
3.06	3.08	3.10	38845.96	16820.927651			1
3.11	3.14	3.15	5862.382	2883.458558			2
3.16	3.18	3.20	35563.95	5628.796264			3
Height Summation:			**80272.292**				
Amount Avg CF:			**8444.394157**	Linear:			
Aroclor-1232					6	81.69	
3.16	3.18	3.20	35563.95	6428.132956			1
3.38	3.40	3.42	76504.38	37101.336504			2
E 3.49	3.51	3.53	422302.6	151657.189904			3
E 3.70	3.74	3.74	414628.3	122477.928945			4
3.76	3.79	3.80	84614.67	33861.390899			5
E 3.95	3.98	3.99	312203.6	183524.752909			6
Height Summation:			**1345817.5**				
Amount Avg CF:			**89175.122019**	Linear:			
Aroclor-1242					6	77.97	
3.16	3.18	3.20	35563.95	4759.319882			1
3.37	3.40	3.41	76504.38	12089.914898			2
3.49	3.51	3.53	422302.6	49756.116412			3
3.70	3.74	3.74	414628.3	39328.095099			4
3.76	3.79	3.80	84614.67	10460.179216			5
3.95	3.98	3.99	312203.6	56993.648896			6
Height Summation:			**1345817.5**				
Amount Avg CF:			**28897.879067**	Linear:			
Aroclor-1248					6	108.00	
3.71	3.74	3.75	414628.3	103818.790376			1
3.76	3.79	3.80	84614.67	24480.934633			2
3.83	3.85	3.87	600421.4	114900.11388			3
3.98	4.00	4.02	597471.2	368506.551865			4
4.04	4.07	4.08	243596.2	47594.057711			5
4.22	4.23	4.26	242389.4	49439.325475			6
+ 4.22	4.24	4.26	228414.5	46588.913578			6
Height Summation:			**2183121.17**				
Amount Avg CF:			**118123.295656**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274B
Result file : 25PCBS17284001B.067.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 139% (61-152) Conc.: 41.52918
%SSR(DCB) : *173% (48-164) Conc.: 45.8169

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	137.05	
2.88	2.90	2.92	72648.09	7409.311525			1
3.21	3.23	3.25	774337.4	65220.550525			2
+ 3.21	3.24	3.25	6927.25	583.465371			2
3.40	3.41	3.44	1031115	88479.540116			3
+ 3.40	3.42	3.44	36633.12	3143.472465			3
+ 3.40	3.44	3.44	722700.7	62014.640052			3
3.47	3.49	3.51	180666	14098.668603			4
+ 3.53	3.55	3.57	3534616	331556.158678			5
3.53	3.57	3.57	4195656	393563.427114			5
3.64	3.66	3.68	692708.1	64344.432437			6
Height Summation:			**6947130.59**				
Amount Avg CF:			**105519.32172**	Linear:			
Aroclor-1221					3	71.28	
2.77	2.79	2.81	83226.95	17655.398907			1
2.83	2.85	2.87	14621.61	5132.517815			2
2.88	2.90	2.92	72648.09	6312.547195			3
Height Summation:			**170496.65**				
Amount Avg CF:			**9700.154639**	Linear:			
Aroclor-1232					6	141.49	
2.88	2.90	2.92	72648.09	6953.301276			1
E 3.21	3.23	3.25	774337.4	147377.143224			2
+ 3.21	3.24	3.25	6927.25	1318.44118			2
E 3.40	3.41	3.44	1031115	198856.458646			3
+ 3.40	3.42	3.44	36633.12	7064.907903			3
E+ 3.40	3.44	3.44	722700.7	139376.986915			3
3.47	3.49	3.51	180666	33819.480533			4
E 3.53	3.55	3.57	3534616	971471.966346			5
E 3.63	3.66	3.67	692708.1	166235.501566			6
Height Summation:			**6286090.59**				
Amount Avg CF:			**254118.975265**	Linear:			
Aroclor-1242					6	138.87	
2.88	2.90	2.92	72648.09	5658.596561			1
3.21	3.23	3.25	774337.4	50099.616947			2
+ 3.21	3.24	3.25	6927.25	448.19296			2
3.40	3.41	3.44	1031115	60533.146251			3
+ 3.40	3.42	3.44	36633.12	2150.602028			3
+ 3.40	3.44	3.44	722700.7	42427.224091			3
3.47	3.49	3.51	180666	10727.907011			4
E 3.53	3.55	3.57	3534616	297378.398249			5
3.63	3.66	3.67	692708.1	48306.22483			6
Height Summation:			**6286090.59**				
Amount Avg CF:			**78783.981641**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229398** RI ACF DF500 96A11 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.25 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274A
Result file : 25PCBS17284001.067.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	52.17	
4.55	4.57	4.59	169474.1	27225.337689			1
+ 4.55	4.58	4.59	54918.96	8822.511708			1
4.61	4.63	4.65	1007577	82661.024997			2
+ 4.73	4.73	4.77	40195.46	10263.277705			3
4.73	4.75	4.77	486116.5	124122.192812			3
4.82	4.84	4.86	637163.4	76526.071958			4
5.02	5.04	5.06	291195.4	48009.511877			5
5.13	5.16	5.17	1199626	141015.735994			6
Height Summation:			**3791152.4**				
Amount Avg CF:			**83259.979221**	Linear:			
Aroclor-1260					6	42.29	
+ 4.73	4.73	4.77	40195.46	4197.054972			1
4.73	4.75	4.77	486116.5	50758.410859			1
4.93	4.95	4.97	796618.9	71951.61102			2
5.13	5.16	5.17	1199626	89360.007932			3
5.36	5.38	5.40	235013.1	32922.96081			4
5.60	5.62	5.64	640416.9	35948.500977			5
5.80	5.82	5.84	447036.7	39757.38857			6
Height Summation:			**3804828.1**				
Amount Avg CF:			**53449.813361**	Linear:			
Aroclor-1262					6	38.18	
5.20	5.22	5.24	197533.6	17671.781654			1
+ 5.36	5.36	5.40	197847	20306.935109			2
5.36	5.38	5.40	235013.1	24121.648402			2
5.60	5.62	5.64	640416.9	29045.496254			3
5.80	5.82	5.84	447036.7	30772.196898			4
5.86	5.88	5.90	59309.34	8632.166535			5
6.23	6.25	6.27	156333.1	18808.110084			6
Height Summation:			**1735642.74**				
Amount Avg CF:			**21508.566638**	Linear:			
Aroclor-1268					6	100.85	
5.80	5.82	5.84	447036.7	17863.274832			1
5.86	5.88	5.90	59309.34	2630.123563			2
5.99	6.02	6.03	2805.465	133.742602			3
+ 6.06	6.06	6.10	17758.58	3040.363599			4
6.06	6.09	6.10	138317.5	23680.693622			4
6.23	6.25	6.27	156333.1	17173.589131			5
6.43	6.45	6.47	33074.59	474.547485			6
Height Summation:			**836876.695**				
Amount Avg CF:			**10325.995206**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274B
Result file : 25PCBS17284001B.067.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	67.41	
3.40	3.41	3.44	1031115	174870.672162			1
+ 3.40	3.42	3.44	36633.12	6212.748644			1
+ 3.40	3.44	3.44	722700.7	122565.530693			1
3.47	3.49	3.51	180666	25471.087702			2
3.51	3.53	3.55	1271038	109307.560739			3
3.64	3.66	3.68	692708.1	48645.552315			4
+ 3.73	3.73	3.77	57615.34	5835.83382			5
3.73	3.75	3.77	437589.2	44323.228027			5
3.86	3.88	3.90	1507847	86849.42776			6
Height Summation:			**5120963.3**				
Amount Avg CF:			**81577.921451**	Linear:			
Aroclor-1254					6	46.31	
+ 4.22	4.22	4.26	145436.7	5502.145938			1
4.22	4.24	4.26	2132314	80669.478977			1
4.31	4.33	4.35	1417168	110595.792303			2
4.38	4.40	4.42	1065654	68149.640387			3
4.44	4.47	4.48	1709748	171229.356154			4
4.59	4.62	4.63	473831.8	41696.856994			5
4.67	4.69	4.71	2189968	126966.632474			6
Height Summation:			**8988683.8**				
Amount Avg CF:			**99884.626215**	Linear:			
Aroclor-1260					6	35.64	
4.31	4.33	4.35	1417168	63229.307717			1
4.44	4.47	4.48	1709748	71114.268342			2
4.55	4.57	4.59	896934.2	44933.834539			3
4.89	4.91	4.93	431329.9	27828.969824			4
+ 5.09	5.09	5.13	340170.2	9691.398945			5
5.09	5.11	5.13	1262318	35963.254081			5
5.34	5.36	5.38	1009663	38952.878913			6
Height Summation:			**6727161.1**				
Amount Avg CF:			**47003.752236**	Linear:			
Aroclor-1262					6	42.03	
4.70	4.73	4.74	285231.9	11874.263649			1
4.89	4.91	4.93	431329.9	18987.164783			2
+ 5.08	5.09	5.12	340170.2	7179.199408			3
5.08	5.11	5.12	1262318	26640.87753			3
+ 5.30	5.30	5.34	9043.993	481.037838			4
5.30	5.32	5.34	200920.2	10686.675533			4
5.34	5.36	5.38	1009663	31366.846461			5
5.72	5.74	5.76	370359.1	17071.958029			6
Height Summation:			**3559822.1**				
Amount Avg CF:			**19437.964331**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229398** RI ACF DF500 96A11 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.25 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274A
Result file : 25PCBS17284001.067.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:46:20
Instrument : CP25--18274B
Result file : 25PCBS17284001B.067.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**110.64**	
+ 5.30	5.30	5.34	9043.993	161.514604			1
5.30	5.32	5.34	200920.2	3588.187926			1
5.35	5.36	5.39	1009663	17761.605383			2
5.50	5.52	5.54	71832.48	1386.458752			3
5.57	5.57	5.61	40985.95	2898.550167			4
+ 5.57	5.59	5.61	3476.676	245.872544			4
5.72	5.74	5.76	370359.1	16274.842273			5
5.92	5.94	5.96	90399.38	437.116177			6

Height Summation: **1784160.11**
Amount Avg CF: **7057.793446** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			24878.0494	4829.2684		** 93.04	4	40	
Aroclor-1221			24878.0494	7463.4148		13.84	3	5	
Aroclor-1232			24878.0494	6000.0002	E	** 96.09	4	10	
Aroclor-1242			24878.0494	6000.0002		** 92.65	4	30	
Aroclor-1248			24878.0494	4829.2684		36.60	4	40	
Aroclor-1254			24878.0494	6439.0246		18.15	4	40	
Aroclor-1260			24878.0494	5707.3172		12.83	4	40	
Aroclor-1262			24878.0494	4829.2684		10.11	4	40	
Aroclor-1268			24878.0494	4829.2684		37.60	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:46:20 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: 25PCBS17284001.067.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		18398	20332
2.09		6731	10854
2.138		635	577
2.204		5536	4830
2.297		1103	903
2.33		9668	6406
2.371		1396	3301
2.491		12756	12578
2.534		1801	1714
2.571		2426	2117
2.654		3250	2262
2.68		775	573
2.709		753	455
2.738		634	558
2.778		6050	4972
2.852		1041	914
2.896		10161	9193
2.928	TCX	22154	19138
3.005		419	243
3.021		892	532
3.081		38846	32543
3.136		5862	4762
3.182		35564	27045
3.275		29966	33615
3.317		3022	2017
3.398		76504	41844
3.415		165964	109419
3.452		9139	5156
3.468		10430	6551
3.514		422303	316659
3.551		2832	1315
3.565		4469	2118
3.588		30510	25871
3.623		8637	4263
3.639		13970	8172
3.694		738103	1052775
3.737		414628	351410
3.786		84615	63026
3.826		218732	165312
3.855		600421	425405
3.881		1569980	1068436
3.905		1816710	1257831
3.978		312204	221874
4.003		597471	425809
4.034		857404	657413
4.067		243596	229279
4.113		79859	74124
4.141		73741	68826
4.192		113943	91309
4.227		242389	158078
4.244		228415	121639
4.269		1310755	1192123
4.306		2023	1052
4.338		385449	333292

RT A	Compound A	Height A	Area A
4.376		674093	780775
4.414		508063	441761
4.455		173199	129521
4.477		99390	68897
4.518		181342	179297
4.567		169474	128210
4.584		54919	68515
4.63		1007577	915193
4.678		243941	264747
4.712		37434	20363
4.735		40195	23075
4.754		486117	442349
4.799		176327	160323
4.84		637163	630098
4.873		10148	5692
4.9		158477	155536
4.952		796619	1044589
5.003		66378	57201
5.04		291195	322269
5.085		74600	59213
5.122		99121	118421
5.155		1199627	1244726
5.197		30955	18724
5.223		197534	176316
5.265		158021	157596
5.334		7175	7593
5.361		197847	165110
5.384		235013	185618
5.441		137136	126410
5.478		139614	133635
5.52		12764	13581
5.56		181586	182200
5.594		38138	29547
5.619		640417	599225
5.654		14306	12265
5.721		2926	4941
5.781		2171	2052
5.823		447037	438617
5.853		46654	30285
5.878		59309	63972
5.923		1419	1217
5.959		5817	6384
5.989		26579	22631
6.015		2805	1934
6.044		3730	2464
6.065		17759	12178
6.095		138318	137609
6.16		16527	16525
6.197		1645	1175
6.222		15477	11302
6.249		156333	152141
6.295		10932	10247
6.345		708	626
6.401		458	835
6.453		33075	36463
6.515		6348	9078
6.57		4966	5217
6.601	DCB	9406	8597
6.638		14372	14517
6.709		800	924
6.77		5073	8134
6.802		416	176
6.824		618	366
6.859		655	1339
6.886		5756	10697
6.956		614	303

LANCASTER LABORATORIES

Sample Number: 9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:46:20 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: 25PCBS17284001B.067.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1175	938
2.097		1916	3909
2.159		7956	7420
2.191		8470	14533
2.228		2149	2940
2.302		3758	2936
2.364		7472	5679
2.41		3016	3757
2.467		3164	2726
2.547		17618	29982
2.594		1982	1113
2.614	TCX	23194	14748
2.656		23668	22412
2.703		4742	6093
2.787		83227	58753
2.847		14622	21250
2.898		72648	54459
2.99		1235	727
3.009		58875	38771
3.068		1164	410
3.078		952	163
3.105		84189	39285
3.117		264796	135464
3.157		28392	16123
3.178		30179	17615
3.203		6608	3264
3.225		774337	488319
3.245		6927	2299
3.264		56985	34356
3.313		32636	19150
3.326		25692	11737
3.353		6588	3416
3.386		1286084	908081
3.406		1031115	561619
3.42		36633	8932
3.436		722701	431411
3.495		180666	158292
3.53		1271038	788764
3.553		3534616	1882611
3.571		4195656	2274654
3.63		4436	2557
3.657		692708	396195
3.681		1171783	684423
3.702		1889843	1171277
3.73		57615	26195
3.747		437589	320494
3.785		225026	178566
3.834		167252	160179
3.856		67265	43016
3.879		1507847	946170
3.904		2196339	1307505
3.923		1012319	561005
3.943		765929	449488
3.979		1556556	1081658

RT B	Compound B	Height B	Area B
4.01		1104202	682190
4.027		309366	158738
4.049		446046	285634
4.088		297713	239441
4.122		324713	252640
4.143		48657	31165
4.179		565292	400126
4.22		145437	154227
4.239		2132314	1814083
4.276		266149	226833
4.329		1417169	1333017
4.366		385728	322833
4.399		1065654	712110
4.423		507233	340700
4.466		1709749	1476519
4.567		896934	917766
4.617		473832	379774
4.657		425629	375654
4.694		2189968	1907257
4.727		285232	210854
4.764		300190	222855
4.823		6896	4161
4.835		7664	3601
4.863		44519	27455
4.88		111930	72175
4.914		431330	322528
4.938		437961	319813
4.987		319824	284122
5.023		183982	142989
5.053		118326	95824
5.085		340170	231754
5.107		1262318	966853
5.148		28768	18972
5.179		47838	40278
5.219		2156	1421
5.244		3654	5788
5.298		9044	6705
5.32		200920	171759
5.364		1009663	1027037
5.463		3956	2793
5.487		1253	724
5.519		71832	58951
5.548		7719	4659
5.565		40986	29306
5.588		3477	1661
5.61		175011	132164
5.636		148684	118958
5.68		9216	9025
5.716		50604	34542
5.743		370359	296643
5.775		22532	19035
5.84		2231	4235
5.887		929	2192
5.913		1581	1029
5.941		90399	76530
5.992		2207	2760
6.021		2604	2610
6.053		2067	1467
6.078		12468	8577
6.1	DCB	28434	21091
6.136		41314	31724
6.159		7460	10083
6.23		10796	17170
6.274		2236	1209
6.302		4368	3336
6.334		2355	1760

RT B	Compound B	Height B	Area B
6.371		1717	888
6.402		2926	4395
6.438		1358	862
6.467		3098	3481
6.501		1779	1379
6.523		2388	2326
6.546		2383	1859
6.576		1557	1851
6.607		1703	1115
6.64		3118	3379
6.678		907	704
6.716		1111	794
6.748		1784	1917
6.778		2342	2086
6.8		1059	531
6.831		1275	652
6.874		1231	1374
6.894		2108	2214
6.924		1210	504
6.944		2197	3539

9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082

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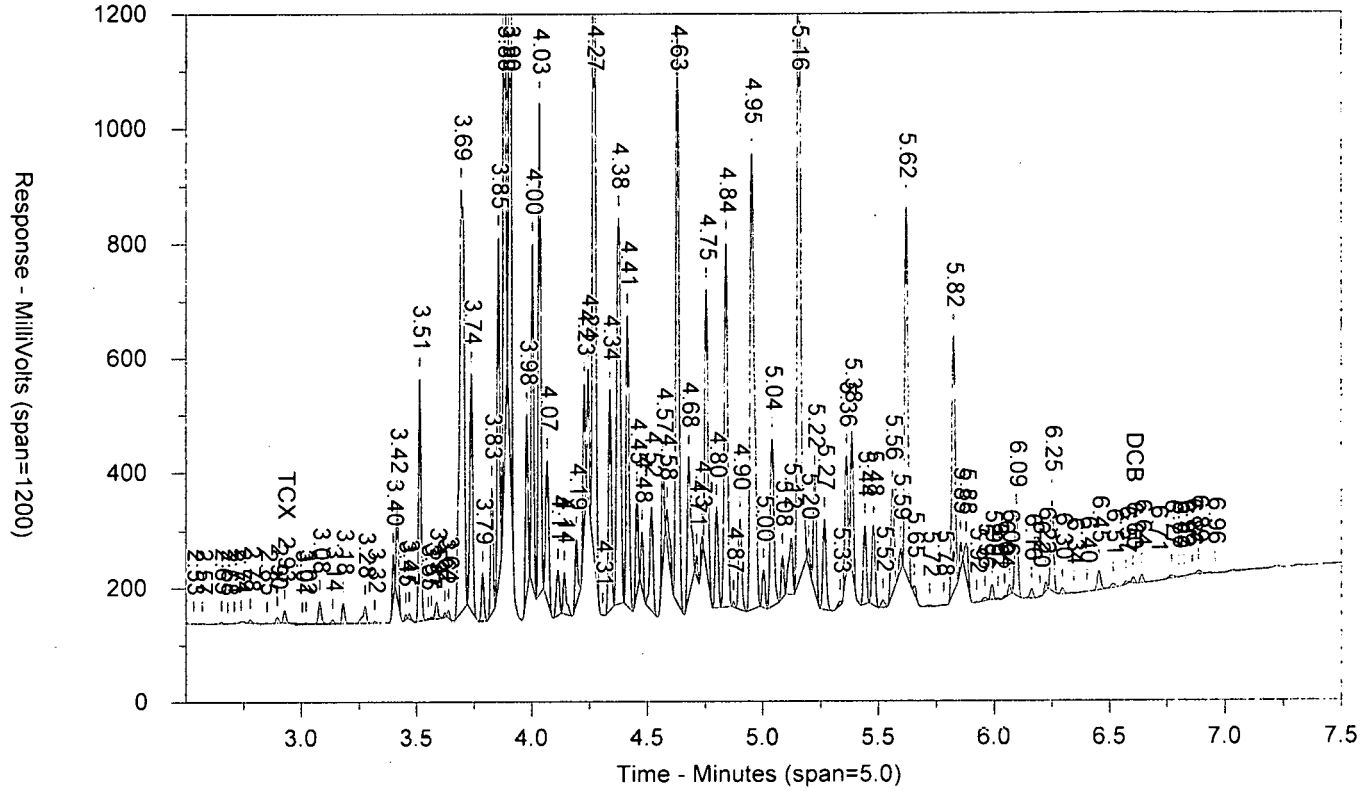

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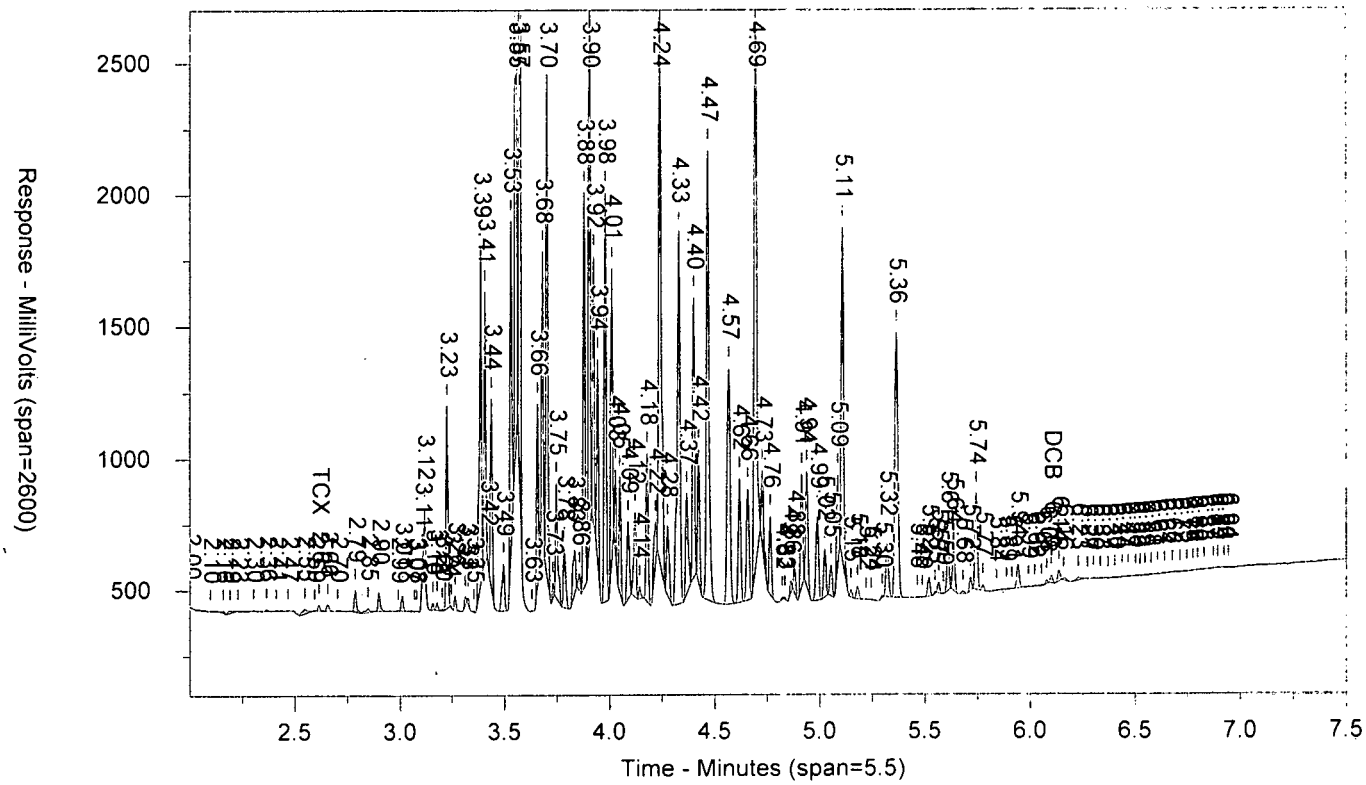

LANCASTER LABORATORIES

Sample Number: 9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:46:20 AM Sample Weight: 10.25
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	22154	71.629	TCX	2.614	23194	41.529	TCX
6.601	9406	47.601	DCB	6.1	28434	45.817	DCB

Files:
Area File: 25PCBS17284001.067.RAW
Area File: 25PCBS17284001B.067.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:32 PM
File Reported On: 10/12/2017 at 4:35:38 PM

9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082

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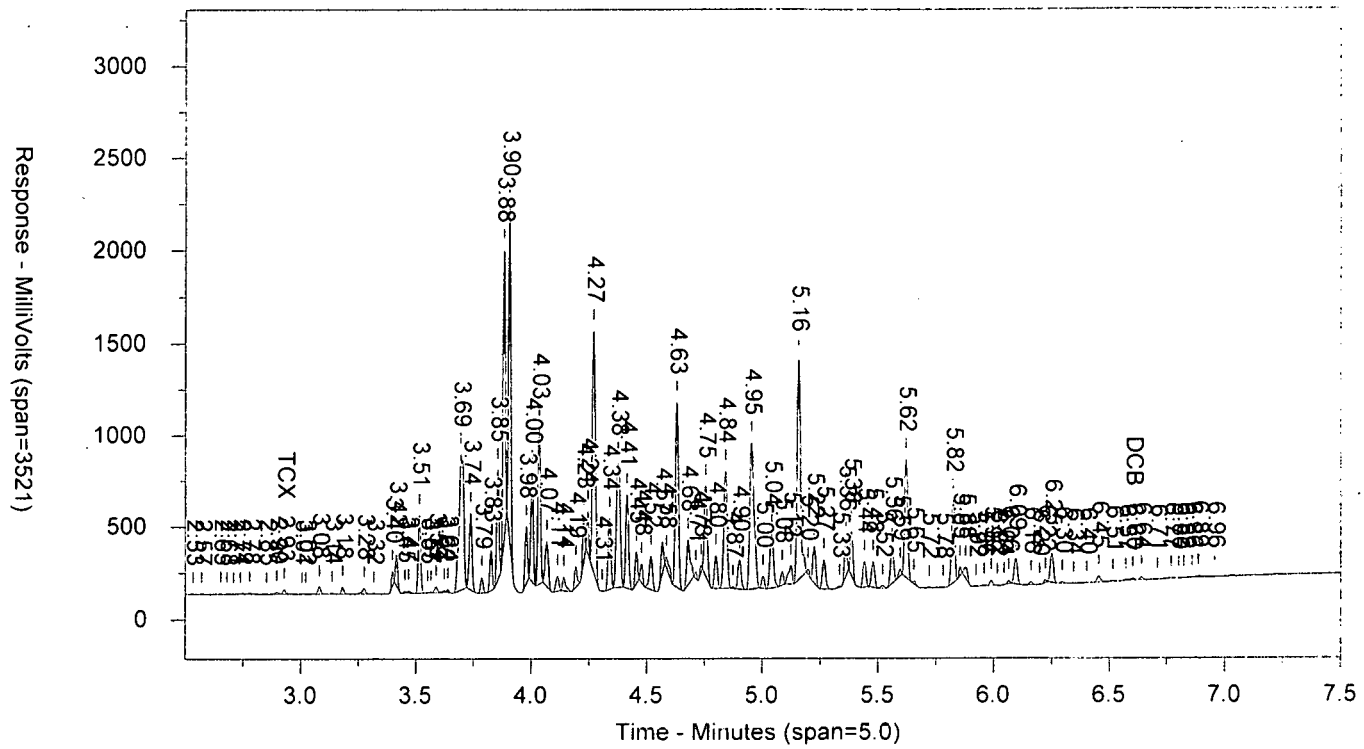

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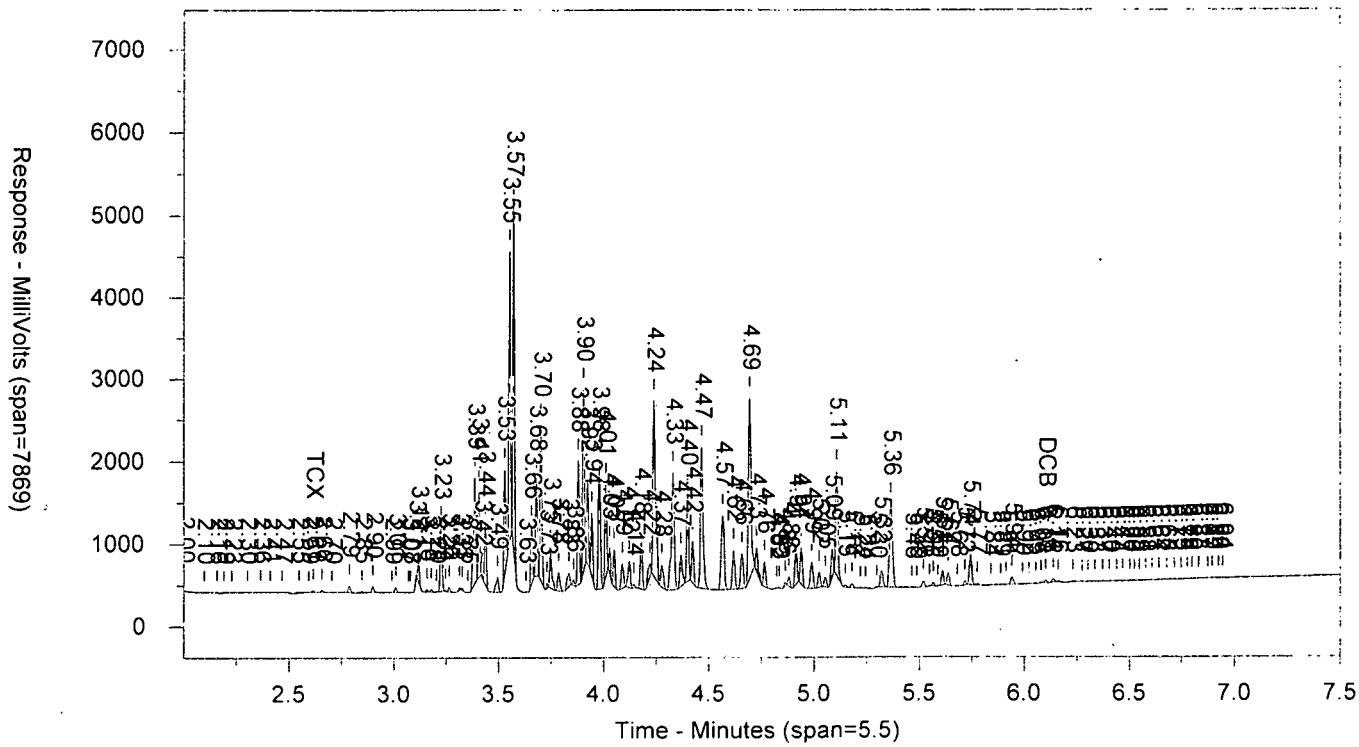

9229398 RI ACF DF500AD96A11 T 172780031A 10225 SW-846 8082

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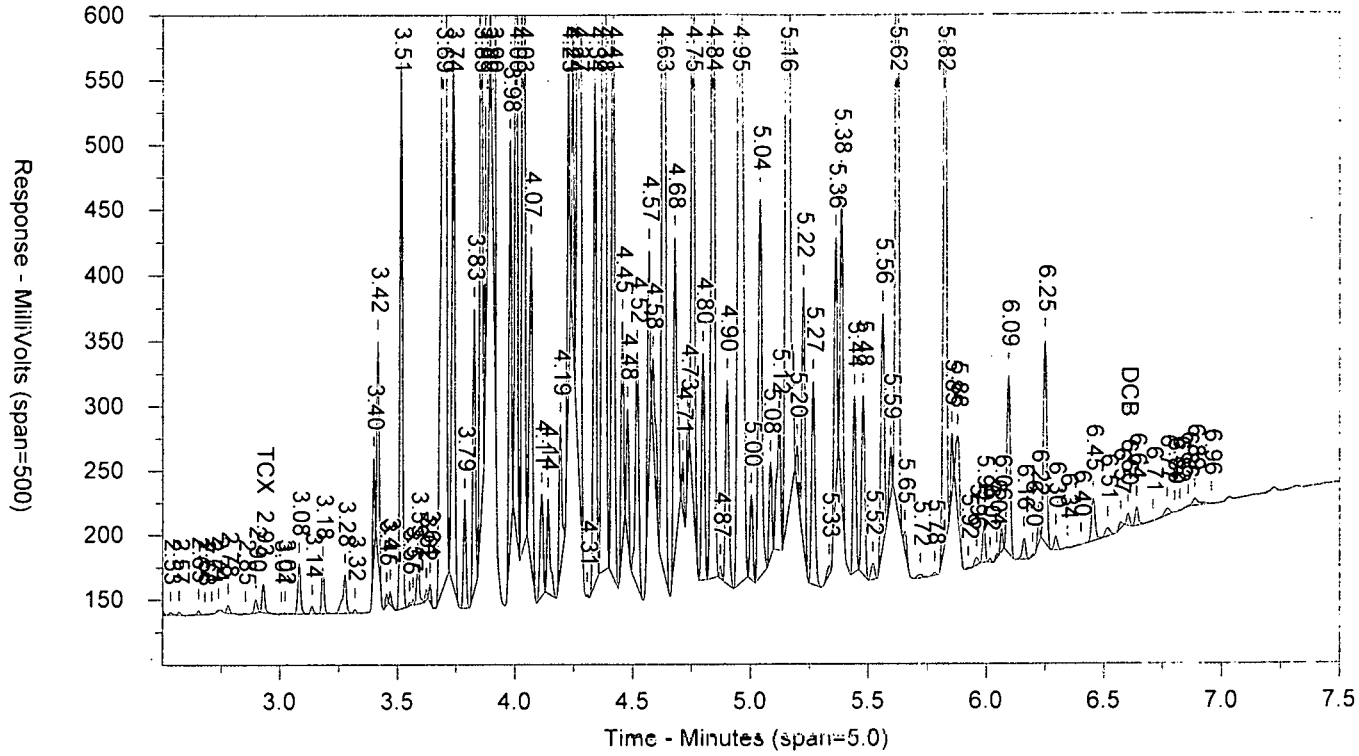

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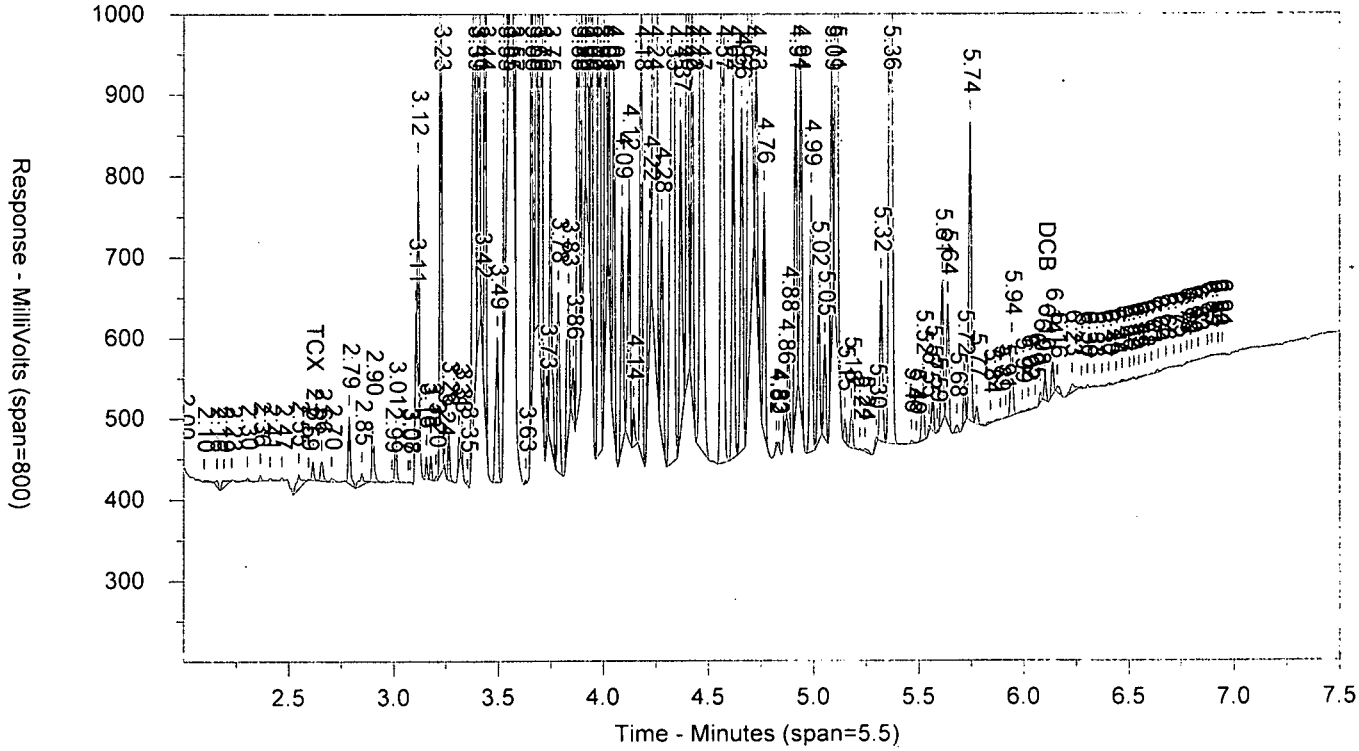

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229399 RI ACF DF500 96A12 Sample ID: AD **Batchnumber: 172780031A**

Sample Amount: 10.29 g Total Volume: 5000 ml Analyst: 2855 SDG: ATG96 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:57:36
Instrument	18274A
Result file	25PCBS17284001.068.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 301% (61 - 152) Conc: 89.46768

%SSR(DCB) * 180% (48 - 164) Conc: 47.55231

Analysis Report (B)

Injected on	Oct 12, 2017 09:57:36
Instrument	18274B
Result file	25PCBS17284001B.068.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 139% (61 - 152) Conc: 41.32812

%SSR(DCB) 164% (48 - 164) Conc: 43.28216

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	27779	89.46768
Decachlorobiphenyl	6.57	6.60	6.63	9433	47.55231

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	23172	41.32812
Decachlorobiphenyl	6.07	6.10	6.13	26966	43.28216

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	41.32812			P	73.61	
☑	Tetrachloro-m-xylene-D1	A	89.46768					
☑	Tetrachloro-m-xylene-D2	B	41.32812					
☐	Decachlorobiphenyl	A	47.55231				9.40	
☑	Decachlorobiphenyl-D1	A	47.55231					
☑	Decachlorobiphenyl-D2	B	43.28216					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.24**	
4.55	4.56	4.59	818299.9	130945.605353			1
4.61	4.63	4.65	3098622	253220.948724			2
4.73	4.75	4.77	1070603	272298.985784			3
4.82	4.84	4.86	2161445	258589.734556			4
5.02	5.03	5.06	1021411	167745.856535			5
5.13	5.15	5.17	2375890	278199.617692			6

Height summation: **10546270.9**

Concentration CF: **226833.458107** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**20.57**	
4.22	4.24	4.26	6986684	263292.013221			1
4.31	4.33	4.35	3271129	254286.572968			2
4.38	4.40	4.42	4154244	264635.34035			3
4.44	4.46	4.48	3394906	338674.395045			4
4.59	4.61	4.63	1985786	174068.445704			5
4.67	4.69	4.71	4187415	241827.856882			6

Height summation: **23980164**

Concentration CF: **256130.770695** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<24781.3412	<4810.4956	D1		4	
☑	PCB-1221			<24781.3412	<7434.4024	D1		3	
☑	PCB-1232			<24781.3412	<5976.6764	D1		4	
☑	PCB-1242			<24781.3412	<5976.6764	D1		4	
☑	PCB-1248			<24781.3412	<4810.4956	D1		4	
☑	PCB-1254	B	256130.770695	24781.3412	6413.9942	D2	12.13	4	
☑	PCB-1260			<24781.3412	<5685.1312	D1		4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:38:07

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229399** RI ACF DF500 96A12 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.29 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274A
Result file : 25PCBS17284001.068.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *301% (61-152) Conc.: 89.46768
%SSR(DCB) : *180% (48-164) Conc.: 47.55231

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	74.22	
3.16	3.18	3.20	76115.98	14013.20162			1
+ 3.38	3.40	3.42	120793	24042.528988			2
3.38	3.41	3.42	202626.6	40330.614391			2
3.49	3.51	3.53	557650.7	86644.616635			3
3.71	3.73	3.75	510063.4	69427.587622			4
3.76	3.78	3.80	179717.6	28293.89436			5
3.96	3.98	4.00	612564.2	143297.844583			6
Height Summation:			**2138738.48**				
Amount Avg CF:			**63667.959869**	Linear:			
Aroclor-1221					3	65.85	
3.06	3.08	3.10	59603.36	25708.8895			1
3.11	3.13	3.15	13872.56	6796.80331			2
3.16	3.18	3.20	76115.98	12000.238359			3
Height Summation:			**149591.9**				
Amount Avg CF:			**14835.31039**	Linear:			
Aroclor-1232					6	81.56	
3.16	3.18	3.20	76115.98	13704.373734			1
+ 3.38	3.40	3.42	120793	58351.699938			2
E 3.38	3.41	3.42	202626.6	97883.20981			2
E 3.49	3.51	3.53	557650.7	199484.883583			3
E 3.70	3.73	3.74	510063.4	150083.014813			4
3.76	3.78	3.80	179717.6	71640.437472			5
E 3.95	3.98	3.99	612564.2	358687.997024			6
Height Summation:			**2138738.48**				
Amount Avg CF:			**148580.652739**	Linear:			
Aroclor-1242					6	75.85	
3.16	3.18	3.20	76115.98	10146.569593			1
+ 3.37	3.40	3.41	120793	19014.600359			2
3.37	3.41	3.41	202626.6	31896.416357			2
3.49	3.51	3.53	557650.7	65447.560359			3
3.70	3.73	3.74	510063.4	48192.185565			4
3.76	3.78	3.80	179717.6	22130.568036			5
E 3.95	3.98	3.99	612564.2	111390.629556			6
Height Summation:			**2138738.48**				
Amount Avg CF:			**48200.654911**	Linear:			
Aroclor-1248					6	66.95	
3.71	3.73	3.75	510063.4	127218.325686			1
3.76	3.78	3.80	179717.6	51794.235862			2
3.83	3.85	3.87	1088166	207428.267061			3
3.98	4.00	4.02	633155.9	388998.016473			4
4.04	4.06	4.08	453940.5	88346.560444			5
4.22	4.22	4.26	1138794	231372.944801			6
+ 4.22	4.24	4.26	528447.1	107366.531347			6
Height Summation:			**4003837.4**				
Amount Avg CF:			**182526.391721**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274B
Result file : 25PCBS17284001B.068.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 139% (61-152) Conc.: 41.32812
%SSR(DCB) : 164% (48-164) Conc.: 43.28216

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	120.88	
2.88	2.90	2.92	146012.1	14833.751259			1
3.21	3.23	3.25	1012582	84955.777343			2
+ 3.21	3.24	3.25	13219.93	1109.154053			2
3.40	3.41	3.44	1029613	88007.211358			3
+ 3.40	3.42	3.44	145639.2	12448.657754			3
+ 3.40	3.44	3.44	734610.2	62791.548997			3
3.47	3.49	3.51	376501.2	29266.886844			4
+ 3.53	3.55	3.57	4477719	418388.931617			5
E 3.53	3.57	3.57	4815229	449925.177707			5
3.64	3.66	3.68	1424742	131827.320925			6
Height Summation:			**8804679.3**				
Amount Avg CF:			**133136.020906**	Linear:			
Aroclor-1221					3	52.50	
2.77	2.79	2.81	128676.2	27190.692767			1
2.83	2.85	2.87	31560.1	11035.248843			2
2.88	2.90	2.92	146012.1	12637.983245			3
Height Summation:			**306248.4**				
Amount Avg CF:			**16954.641618**	Linear:			
Aroclor-1232					6	136.49	
2.88	2.90	2.92	146012.1	13920.799687			1
E 3.21	3.23	3.25	1012582	191972.310328			2
+ 3.21	3.24	3.25	13219.93	2506.325912			2
E 3.40	3.41	3.44	1029613	197794.906744			3
+ 3.40	3.42	3.44	145639.2	27978.174307			3
E+ 3.40	3.44	3.44	734610.2	141123.078285			3
3.47	3.49	3.51	376501.2	70204.56596			4
E+ 3.53	3.55	3.57	4477719	1225895.244159			5
E 3.53	3.57	3.57	4815229	1318297.62668			5
E 3.63	3.66	3.67	1424742	340579.285325			6
Height Summation:			**8804679.3**				
Amount Avg CF:			**355461.582454**	Linear:			
Aroclor-1242					6	133.41	
2.88	2.90	2.92	146012.1	11328.74675			1
3.21	3.23	3.25	1012582	65259.367915			2
+ 3.21	3.24	3.25	13219.93	852.004357			2
3.40	3.41	3.44	1029613	60210.003232			3
+ 3.40	3.42	3.44	145639.2	8516.730755			3
+ 3.40	3.44	3.44	734610.2	42958.745195			3
3.47	3.49	3.51	376501.2	22269.651796			4
E+ 3.53	3.55	3.57	4477719	375260.199736			5
E 3.53	3.57	3.57	4815229	403545.599068			5
E 3.63	3.66	3.67	1424742	98968.628086			6
Height Summation:			**8804679.3**				
Amount Avg CF:			**110263.666141**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229399** RI ACF DF500 96A12 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.29 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274A
Result file : 25PCBS17284001.068.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**27.24**	
4.55	4.56	4.59	818299.9	130945.605353			1
4.61	4.63	4.65	3098622	253220.948724			2
+ 4.73	4.73	4.77	27307.44	6945.42068			3
4.73	4.75	4.77	1070603	272298.985784			3
4.82	4.84	4.86	2161445	258589.734556			4
5.02	5.03	5.06	1021411	167745.856535			5
5.13	5.15	5.17	2375890	278199.617692			6
Height Summation:			**10546270.9**				
Amount Avg CF:			**226833.458107**	Linear:			
Aroclor-1260					**6**	**65.15**	
+ 4.73	4.73	4.77	27307.44	2840.253693			1
4.73	4.75	4.77	1070603	111353.68691			1
4.93	4.95	4.97	1563749	140690.719947			2
5.13	5.15	5.17	2375890	176291.815012			3
5.36	5.38	5.40	270248.1	37711.860072			4
5.60	5.62	5.64	664041.2	37129.706623			5
5.80	5.82	5.84	529610.9	46918.06335			6
Height Summation:			**6474142.2**				
Amount Avg CF:			**91682.641986**	Linear:			
Aroclor-1262					**6**	**47.58**	
5.20	5.22	5.24	204486.6	18222.699049			1
5.36	5.38	5.40	270248.1	27630.328709			2
5.60	5.62	5.64	664041.2	29999.881089			3
5.80	5.82	5.84	529610.9	36314.555242			4
5.86	5.88	5.90	47307.86	6858.647971			5
6.23	6.25	6.27	135632.2	16254.196851			6
Height Summation:			**1851326.86**				
Amount Avg CF:			**22546.718152**	Linear:			
Aroclor-1268					**6**	**111.99**	
5.80	5.82	5.84	529610.9	21080.616468			1
5.86	5.88	5.90	47307.86	2089.752505			2
5.99	6.01	6.03	2490.167	118.250198			3
+ 6.06	6.06	6.10	19851.56	3385.481302			4
6.06	6.09	6.10	190622.9	32508.793453			4
6.23	6.25	6.27	135632.2	14841.624019			5
6.43	6.45	6.47	36638.48	523.637988			6
Height Summation:			**942302.507**				
Amount Avg CF:			**11860.445772**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274B
Result file : 25PCBS17284001B.068.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**56.21**	
3.40	3.41	3.44	1029613	173937.163158			1
+ 3.40	3.42	3.44	145639.2	24603.486254			1
+ 3.40	3.44	3.44	734610.2	124101.010977			1
3.47	3.49	3.51	376501.2	52874.456629			2
3.51	3.53	3.55	2483576	212753.940775			3
3.64	3.66	3.68	1424742	99663.834052			4
+ 3.73	3.73	3.77	176027.8	17760.473468			5
3.73	3.74	3.77	892492.2	90048.753883			5
3.86	3.88	3.90	4812872	276135.655208			6
Height Summation:			**11019796.4**				
Amount Avg CF:			**150902.300617**	Linear:			
Aroclor-1254					**6**	**20.57**	
4.22	4.24	4.26	6986684	263292.013221			1
4.31	4.33	4.35	3271129	254286.572968			2
4.38	4.40	4.42	4154244	264635.34035			3
4.44	4.46	4.48	3394906	338674.395045			4
4.59	4.61	4.63	1985786	174068.445704			5
4.67	4.69	4.71	4187415	241827.856882			6
Height Summation:			**23980164**				
Amount Avg CF:			**256130.770695**	Linear:			
Aroclor-1260					**6**	**62.98**	
4.31	4.33	4.35	3271129	145379.526975			1
4.44	4.46	4.48	3394906	140656.849682			2
4.55	4.56	4.59	2125014	106043.287751			3
4.89	4.91	4.93	492749.8	31668.13681			4
5.09	5.10	5.13	1267222	35962.626363			5
5.34	5.36	5.38	1170635	44987.630003			6
Height Summation:			**11721655.8**				
Amount Avg CF:			**84116.342931**	Linear:			
Aroclor-1262					**6**	**54.00**	
4.70	4.72	4.74	208885.3	8662.13527			1
+ 4.70	4.74	4.74	161958.6	6716.160981			1
4.89	4.91	4.93	492749.8	21606.553739			2
5.08	5.10	5.12	1267222	26640.412529			3
5.30	5.32	5.34	188358.3	9979.580244			4
5.34	5.36	5.38	1170635	36226.336085			5
5.72	5.74	5.76	324753.5	14911.545063			6
Height Summation:			**3652603.9**				
Amount Avg CF:			**19671.093821**	Linear:			
Aroclor-1268					**5**	**106.91**	
5.30	5.32	5.34	188358.3	3350.771643			1
5.35	5.36	5.39	1170635	20513.311302			2
5.50	5.52	5.54	120520.7	2317.161099			3
5.72	5.74	5.76	324753.5	14215.302283			5
5.92	5.94	5.96	99530.12	479.396044			6
Height Summation:			**1903797.62**				
Amount Avg CF:			**8175.188474**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229399** RI ACF DF500 96A12 ID: AD **Batchnumber: 172780031A**
Sample Amount: 10.29 g Total Volume: 5000 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274A
Result file : 25PCBS17284001.068.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:57:36
Instrument : CP25--18274B
Result file : 25PCBS17284001B.068.RAW
Calibration file : 25PCBS1728401B.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			24781.3412	4810.4956		** 70.60	4	40	
Aroclor-1221			24781.3412	7434.4024		13.33	3	5	
Aroclor-1232			24781.3412	5976.6764	E	** 82.09	4	10	
Aroclor-1242			24781.3412	5976.6764	E	** 78.33	4	30	
Aroclor-1248			24781.3412	4810.4956		18.97	4	40	
Aroclor-1254			24781.3412	6413.9942		12.13	4	40	
Aroclor-1260			24781.3412	5685.1312		8.61	4	40	
Aroclor-1262			24781.3412	4810.4956		13.62	4	40	
Aroclor-1268			24781.3412	4810.4956		36.79	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:57:36 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: 25PCBS17284001.068.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.047		34932	43210
2.087		4245	6035
2.137		947	587
2.165		1199	1538
2.205		27954	22284
2.252		783	584
2.295		686	600
2.33		4874	3153
2.37		552	465
2.49		12194	11749
2.532		1593	1772
2.57		4109	4016
2.634		788	339
2.652		14025	9527
2.711		422	323
2.736		4916	6161
2.776		1514	1076
2.808		757	552
2.847		970	1319
2.895		9757	8933
2.927	TCX	27779	23623
3.017		1080	1153
3.079		59603	50303
3.134		13873	10822
3.18		76116	56081
3.251		6166	3980
3.274		32319	21752
3.315		3945	2880
3.396		120793	70710
3.413		202627	132890
3.45		12320	6340
3.465		29017	19945
3.512		557651	423077
3.548		3811	1860
3.563		8758	4212
3.586		86209	65990
3.62		49109	28286
3.635		19172	9791
3.655		1141	423
3.69		985185	1353570
3.733		510063	477357
3.783		179718	138207
3.823		223915	174740
3.852		1088166	789292
3.879		1810127	1202328
3.902		2033083	1391237
3.975		612564	437705
3.999		633156	457624
4.03		906222	687633
4.063		453941	447591
4.108		127339	131567
4.138		80905	91472
4.189		173066	129744
4.223		1138794	781537

RT A	Compound A	Height A	Area A
4.241		528447	273213
4.266		1793360	1550790
4.306		848	330
4.335		668425	561041
4.375		2084117	2471022
4.411		1153892	984089
4.452		224327	166281
4.473		200771	142800
4.515		693790	655184
4.565		818300	774853
4.595		160481	99656
4.625		3098622	2715922
4.675		321556	338416
4.709		177767	120311
4.731		27307	13045
4.751		1070603	984181
4.796		347122	317717
4.837		2161445	2054102
4.868		23670	13641
4.897		298757	326462
4.949		1563749	2130079
5		75262	60039
5.035		1021411	1105341
5.082		145913	115941
5.108		19963	20049
5.12		110353	69525
5.153		2375890	2370352
5.194		66985	42675
5.22		204487	176302
5.263		168140	186034
5.333		6967	5099
5.358		471564	396197
5.381		270248	205191
5.438		164124	154216
5.475		179597	181702
5.514		17260	19066
5.555		409779	381283
5.592		84046	74564
5.617		664041	608208
5.653		20556	16474
5.717		5848	8858
5.779		3516	3510
5.82		529611	506193
5.851		70307	50176
5.876		47308	48544
5.921		1934	1666
5.954		5564	5496
5.985		49902	44396
6.013		2490	1587
6.042		7172	4811
6.062		19852	13705
6.091		190623	187566
6.157		30226	29044
6.195		2257	1888
6.219		28848	22156
6.247		135632	134354
6.292		10220	10485
6.381		841	684
6.4		685	155
6.45		36638	40513
6.511		6269	8680
6.564		9566	9202
6.6	DCB	9433	8428
6.635		26967	26112
6.71		1250	1205
6.762		8268	13357

RT A	Compound A	Height A	Area A
6.881		6888	14794
6.926		1333	1127
6.988		1015	1091

LANCASTER LABORATORIES

Sample Number: 9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:57:36 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: 25PCBS17284001B.068.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		613	876
2.043		3089	2481
2.104		2957	5288
2.159		7596	6500
2.191		4821	5668
2.23		3568	5497
2.303		9580	13725
2.364		32292	21256
2.415		4074	2823
2.467		5536	4708
2.546		5989	9574
2.567		1724	1528
2.596		1975	1084
2.615	TCX	23172	14278
2.657		33370	31035
2.704		4583	5680
2.787		128676	97257
2.847		31560	30465
2.899		146012	106599
3.009		78607	56226
3.073		1476	867
3.086		1633	628
3.106		140073	68162
3.117		302068	143994
3.156		42652	24331
3.178		78299	46293
3.203		14843	7393
3.225		1012582	646315
3.245		13220	4448
3.264		164295	98317
3.311		121092	69999
3.325		45318	20220
3.354		9813	4822
3.385		1838916	1350457
3.405		1029613	527771
3.419		145639	51830
3.435		734610	408991
3.493		376501	288642
3.528		2483576	1474071
3.551		4477719	2326456
3.57		4815229	2620999
3.656		1424743	827304
3.678		1374866	766233
3.699		2048388	1286405
3.728		176028	86523
3.745		892492	575770
3.783		340724	285720
3.832		286806	259202
3.854		434675	254630
3.877		4812873	3145707
3.902		3275674	1899191
3.921		1321212	702050
3.94		1438391	822840
3.976		4914427	3337068

RT B	Compound B	Height B	Area B
4.007		2672847	1664102
4.024		986725	481341
4.046		530020	328581
4.085		570161	420626
4.119		1513653	1036011
4.139		54223	28329
4.175		2246102	1622564
4.209		655922	520437
4.236		6986685	5240316
4.273		525313	459676
4.327		3271129	2853524
4.363		784744	622756
4.396		4154244	2811904
4.42		857066	594347
4.462		3394906	2890819
4.561		2125014	2064061
4.613		1985787	1595062
4.653		840188	688111
4.691		4187415	3859299
4.723		208885	98218
4.738		161959	76692
4.762		299300	230576
4.82		44277	56073
4.861		40767	23852
4.877		204511	141189
4.911		492750	351901
4.935		1077225	820395
4.985		446574	378861
5.02		237616	186166
5.05		137749	109225
5.082		893248	619414
5.104		1267222	957844
5.146		32420	20464
5.177		64237	54932
5.239		6532	9516
5.295		7133	5228
5.318		188358	175516
5.361		1170635	1171263
5.437		1623	1065
5.463		5325	4336
5.482		1970	1028
5.515		120521	98277
5.545		15717	9060
5.562		51243	35978
5.607		291195	225226
5.632		151963	117754
5.678		16670	15620
5.713		86318	61689
5.74		324754	267213
5.772		20127	15029
5.802		3398	2390
5.821		7446	5956
5.87		2154	2272
5.939		99530	85492
5.997		2475	3116
6.021		1823	1144
6.075		26996	18736
6.096	DCB	26966	19178
6.133		71378	59005
6.165		6550	6905
6.227		15119	27423
6.302		916	819
6.334		12251	16398
6.372		1569	1050
6.409		1547	2175
6.431		3268	2363

RT B	Compound B	Height B	Area B
6.473		763	1165
6.488		2845	2173
6.569		13393	18000
6.606		2080	1889
6.632		3695	2650
6.654		797	318
6.684		947	1160
6.74		2370	4285
6.778		1559	1554
6.797		6994	7730
6.851		838	999
6.88		1761	1454
6.922		1266	530

9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082

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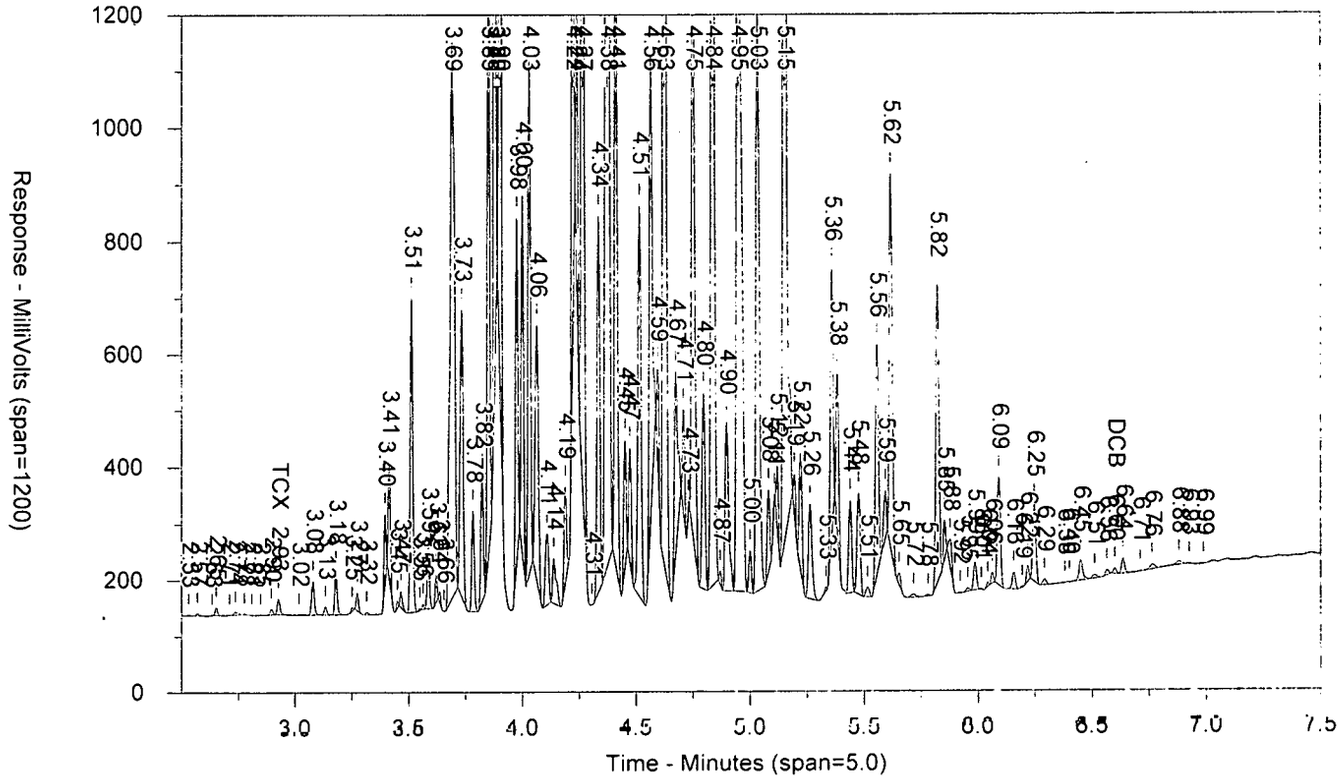

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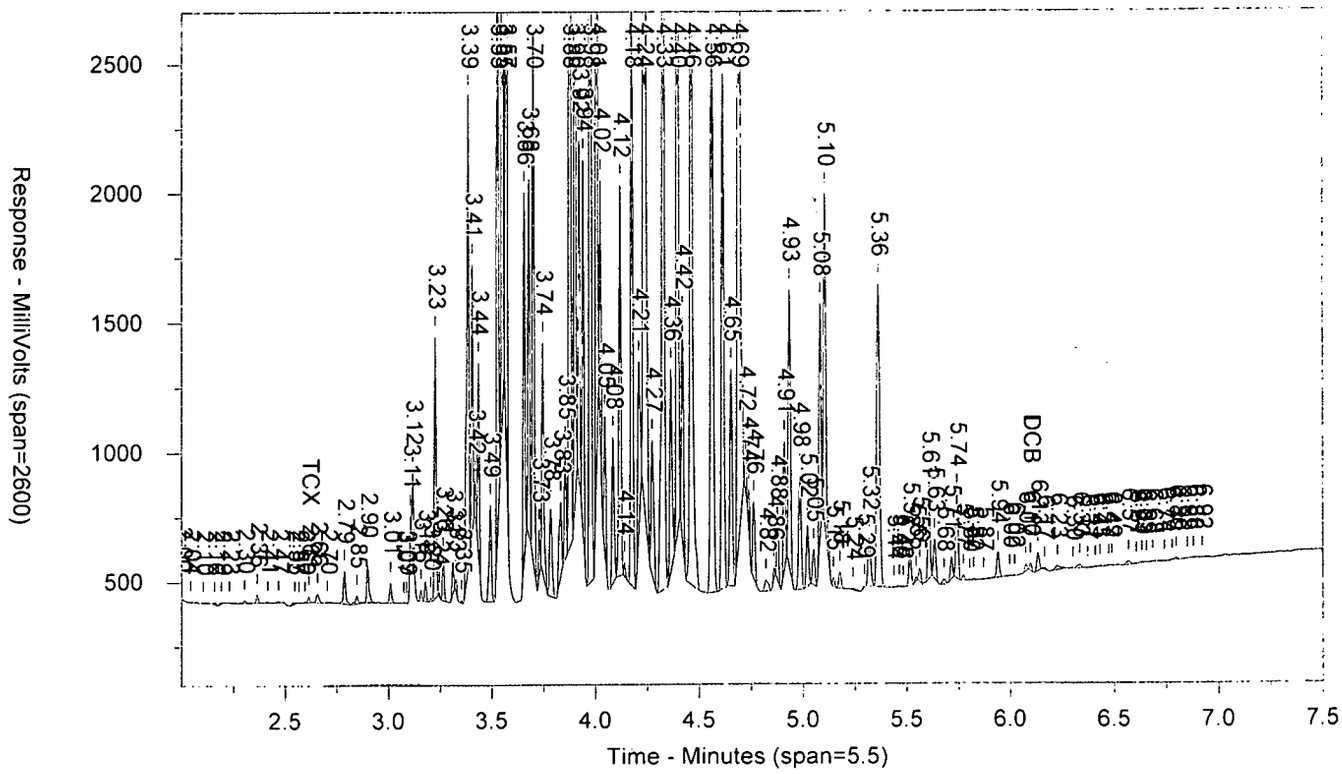

LANCASTER LABORATORIES

Sample Number: 9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 9:57:36 AM Sample Weight: 10.29
Instrument ID: CP25-18274 Dilution Factor: 5000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold. 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.927	27779	89.468	TCX	2.615	23172	41.328	TCX
6.6	9433	47.552	DCB	6.096	26966	43.282	DCB

Files:
Area File: 25PCBS17284001.068.RAW
Area File: 25PCBS17284001B.068.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:32 PM
File Reported On: 10/12/2017 at 4:36:00 PM

9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082

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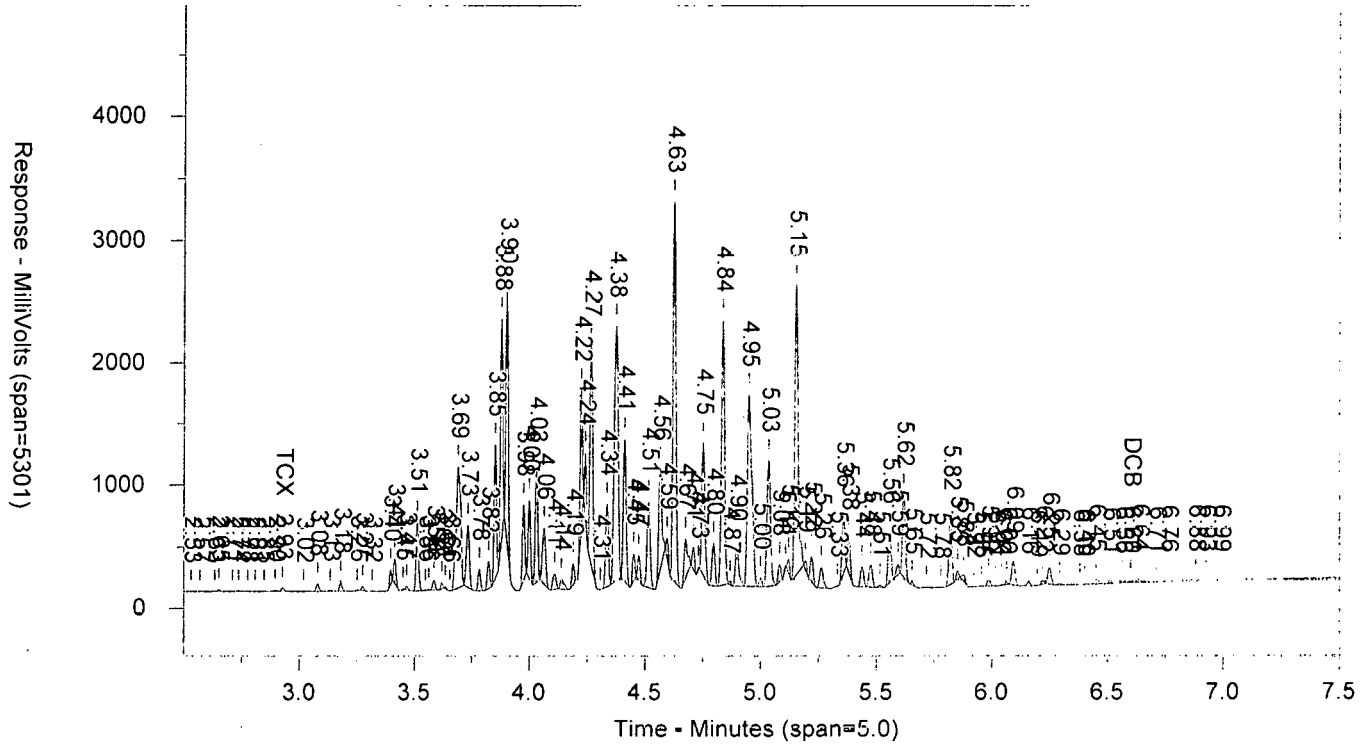

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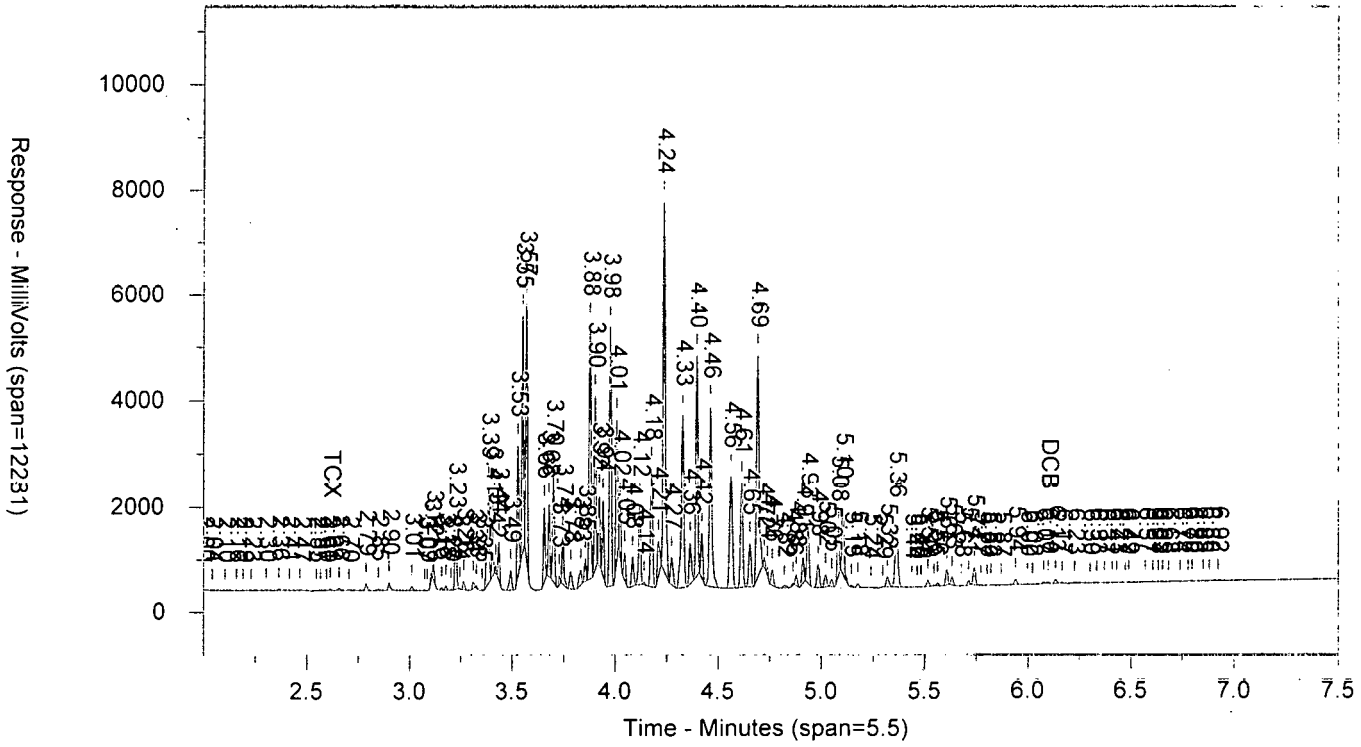

9229399 RI ACF DF500AD96A12 T 172780031A 10225 SW-846 8082

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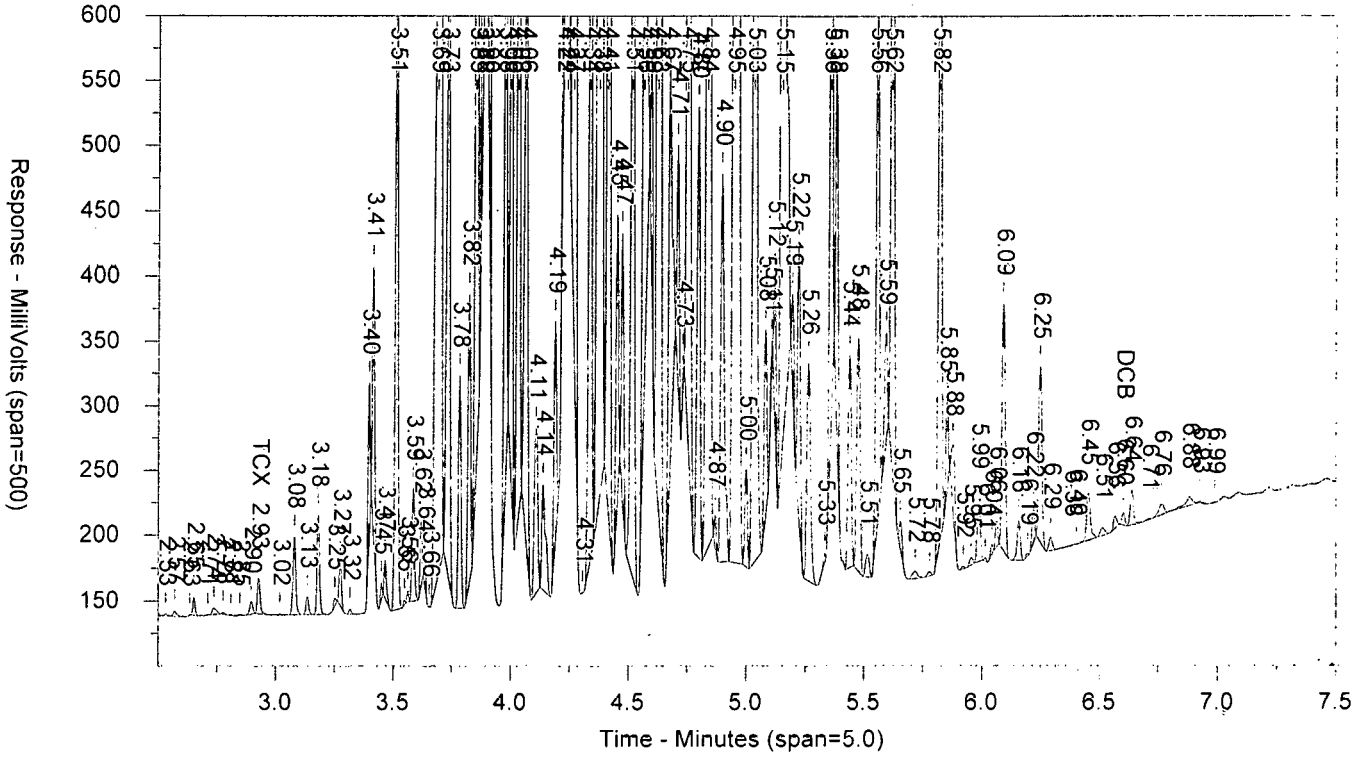

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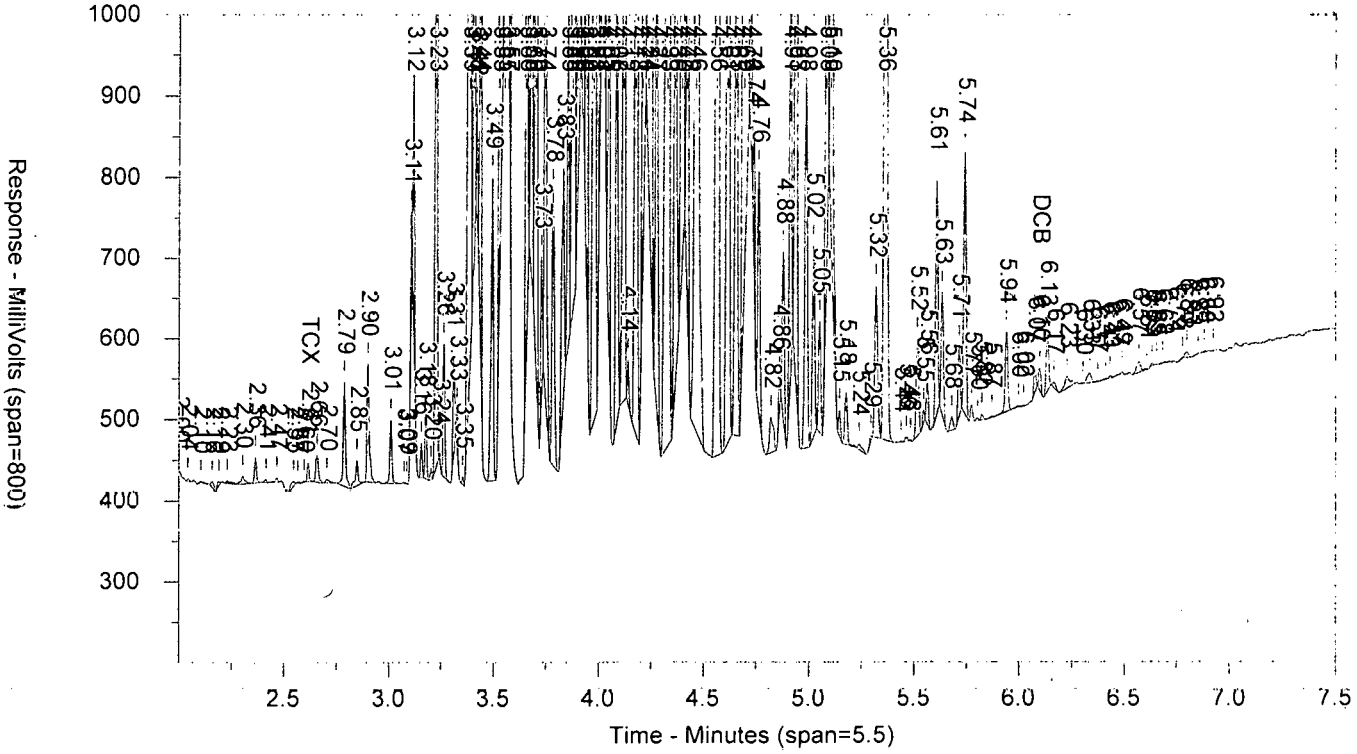

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Data Summary

Sample Name: 9229400 ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.17 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:01:33
Instrument	19843A
Result file	07PCBS17282002.0039.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 94% (61 - 152) Conc: 28.38779
%SSR(DCB) 99% (48 - 164) Conc: 26.37878

Analysis Report (B)

Injected on	Oct 11, 2017 01:01:33
Instrument	19843B
Result file	07PCBS17282002B.0039.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 122% (61 - 152) Conc: 36.65329
%SSR(DCB) 105% (48 - 164) Conc: 28.14248

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	406682	28.38779	Tetrachloro-m-xylene	2.56	2.59	2.62	595139	36.65329
Decachlorobiphenyl	6.58	6.60	6.64	257129	26.37878	Decachlorobiphenyl	6.06	6.08	6.12	449331	28.14248

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	36.65329				25.42	
☑	Tetrachloro-m-xylene-D1	A	28.38779					
☑	Tetrachloro-m-xylene-D2	B	36.65329					
☐	Decachlorobiphenyl	B	28.14248				6.47	
☑	Decachlorobiphenyl-D1	A	26.37878					
☑	Decachlorobiphenyl-D2	B	28.14248					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**29.28**	
4.74	4.76	4.78	3314324	6073.116063			1
4.94	4.95	4.98	3924526	7357.237721			2
5.14	5.16	5.18	6120452	9477.152236			3
5.37	5.39	5.41	1577125	4407.063614			4
5.61	5.63	5.65	5794698	5391.093129			5
5.81	5.83	5.85	3863038	5127.82834			6

Height summation: **24594163**
Concentration CF: **6305.581851** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**33.02**	
4.42	4.44	4.46	6668116	8468.884125			1
4.52	4.54	4.56	4256514	7061.288807			2
4.65	4.67	4.69	9006741	11831.902155			3
4.87	4.89	4.91	2652002	5069.774445			4
5.06	5.08	5.10	7463886	6051.685248			5
5.32	5.34	5.36	4926794	6032.944845			6

Height summation: **34974053**
Concentration CF: **7419.413271** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1002.9499	<194.6903	D1		4	
☑	PCB-1221			<1002.9499	<300.885	D1		3	
☑	PCB-1232			<1002.9499	<241.8879	D1		4	
☑	PCB-1242			<1002.9499	<241.8879	D1		4	
☑	PCB-1248			<1002.9499	<194.6903	D1		4	
☑	PCB-1254			<1002.9499	<259.587	D1		4	
☑	PCB-1260	A	6305.581851	1002.9499	230.0885	D1	16.23	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:55

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229400** ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.17 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0039.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 94% (61-152) Conc.: 28.38779
%SSR(DCB) : 99% (48-164) Conc.: 26.37878

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	132.19	
3.17	3.19	3.21	2722.121	10.853627			1
+ 3.38	3.40	3.42	3835.713	14.873492			2
3.38	3.42	3.42	4732.586	18.351238			2
3.50	3.52	3.54	13536.31	43.728902			3
3.71	3.74	3.75	31463.25	84.568134			4
+ 3.77	3.77	3.81	1960.593	6.120863			5
3.77	3.79	3.81	10904.87	34.044403			5
3.96	3.98	4.00	70687.94	290.784462			6
Height Summation:			134047.077				
Amount Avg CF:			80.388461	Linear:			
Aroclor-1221					2	111.90	
3.12	3.13	3.16	7488.104	67.513638			2
3.17	3.19	3.21	2722.121	7.866921			3
Height Summation:			10210.225				
Amount Avg CF:			37.690279	Linear:			
Aroclor-1232					6	140.67	
3.17	3.19	3.21	2722.121	9.508734			1
+ 3.38	3.40	3.42	3835.713	32.333813			2
3.38	3.42	3.42	4732.586	39.894161			2
3.50	3.52	3.54	13536.31	94.53096			3
3.71	3.74	3.75	31463.25	182.644315			4
+ 3.77	3.77	3.81	1960.593	13.70048			5
3.77	3.79	3.81	10904.87	76.20243			5
3.96	3.98	4.00	70687.94	693.230031			6
Height Summation:			134047.077				
Amount Avg CF:			182.668439	Linear:			
Aroclor-1242					6	132.15	
3.17	3.19	3.21	2722.121	8.200412			1
+ 3.38	3.40	3.42	3835.713	11.498435			2
3.38	3.42	3.42	4732.586	14.187019			2
3.50	3.52	3.54	13536.31	33.205574			3
3.71	3.74	3.75	31463.25	64.742362			4
+ 3.77	3.77	3.81	1960.593	4.504629			5
3.77	3.79	3.81	10904.87	25.054864			5
3.96	3.98	4.00	70687.94	220.32541			6
Height Summation:			134047.077				
Amount Avg CF:			60.952607	Linear:			
Aroclor-1248					6	65.93	
3.71	3.74	3.75	31463.25	185.37427			1
+ 3.77	3.77	3.81	1960.593	10.567909			2
3.77	3.79	3.81	10904.87	58.778989			2
3.84	3.86	3.88	164260.3	520.171059			3
3.96	3.98	4.00	70687.94	197.837381			4
4.05	4.07	4.09	124388.2	403.246172			5
4.23	4.25	4.27	61257.03	180.945316			6
Height Summation:			462961.59				
Amount Avg CF:			257.725531	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0039.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 122% (61-152) Conc.: 36.65329
%SSR(DCB) : 105% (48-164) Conc.: 28.14248

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	139.39	
2.86	2.89	2.90	8175.677	28.591017			1
3.19	3.20	3.23	27044.4	77.915102			2
3.38	3.38	3.42	65143.57	187.059843			3
+ 3.38	3.41	3.42	42257.46	121.342349			3
3.45	3.47	3.49	18104.46	48.062498			4
+ 3.51	3.53	3.55	261140.6	953.131758			5
3.51	3.55	3.55	291847.1	1065.206787			5
3.61	3.63	3.65	93795.33	296.790906			6
Height Summation:			504110.537				
Amount Avg CF:			283.937692	Linear:			
Aroclor-1221					3	95.52	
2.74	2.76	2.78	4740.857	24.758216			1
2.81	2.81	2.85	11988.44	99.645252			2
2.86	2.89	2.90	8175.677	17.95825			3
Height Summation:			24904.974				
Amount Avg CF:			47.453906	Linear:			
Aroclor-1232					6	150.91	
2.86	2.89	2.90	8175.677	22.445032			1
3.19	3.20	3.23	27044.4	152.657603			2
3.38	3.38	3.42	65143.57	372.681818			3
+ 3.38	3.41	3.42	42257.46	241.75198			3
3.45	3.47	3.49	18104.46	107.315506			4
+ 3.51	3.53	3.55	261140.6	2470.723473			5
3.51	3.55	3.55	291847.1	2761.246166			5
3.61	3.63	3.65	93795.33	741.213176			6
Height Summation:			504110.537				
Amount Avg CF:			692.92655	Linear:			
Aroclor-1242					6	140.09	
2.86	2.89	2.90	8175.677	22.837832			1
3.19	3.20	3.23	27044.4	61.156643			2
3.38	3.38	3.42	65143.57	147.545953			3
+ 3.38	3.41	3.42	42257.46	95.710401			3
3.45	3.47	3.49	18104.46	37.552046			4
+ 3.51	3.53	3.55	261140.6	760.327191			5
3.51	3.55	3.55	291847.1	849.731086			5
3.61	3.63	3.65	93795.33	234.543138			6
Height Summation:			504110.537				
Amount Avg CF:			225.561116	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229400** ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.17 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0039.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	78.01	
4.55	4.57	4.59	289919.3	710.487268			1
+ 4.55	4.59	4.59	260843.5	639.233006			1
4.62	4.63	4.65	4001226	5050.872545			2
4.74	4.76	4.78	3314324	13902.493912			3
4.83	4.84	4.87	1513673	3457.539346			4
5.03	5.05	5.06	1529087	5734.185409			5
5.14	5.16	5.18	6120452	14179.597987			6
+ 5.14	5.18	5.18	282560.2	654.623228			6
Height Summation:			**16768681.3**				
Amount Avg CF:			**7172.529411**	Linear:			
Aroclor-1260					6	29.28	
4.74	4.76	4.78	3314324	6073.116063			1
4.94	4.96	4.98	3924526	7357.237721			2
5.14	5.16	5.18	6120452	9477.152236			3
+ 5.14	5.18	5.18	282560.2	437.527495			3
5.37	5.39	5.41	1577125	4407.063614			4
5.61	5.63	5.65	5794698	5391.093129			5
5.81	5.83	5.85	3863038	5127.82834			6
Height Summation:			**24594163**				
Amount Avg CF:			**6305.58185**	Linear:			
Aroclor-1262					6	38.28	
5.21	5.23	5.25	1771214	2690.048334			1
5.37	5.39	5.41	1577125	3376.167224			2
E 5.61	5.63	5.65	5794698	4717.297142			3
E 5.81	5.83	5.85	3863038	3960.871684			4
5.87	5.89	5.91	677056.2	1343.932759			5
6.24	6.25	6.28	1256419	2506.566123			6
Height Summation:			**14939550.2**				
Amount Avg CF:			**3099.147211**	Linear:			
Aroclor-1268					6	95.76	
5.81	5.83	5.85	3863038	2134.827831			1
5.87	5.89	5.91	677056.2	391.828381			2
6.00	6.02	6.04	39097.73	25.107402			3
+ 6.07	6.07	6.11	114794.8	300.542491			4
6.07	6.10	6.11	726993.2	1903.329655			4
6.24	6.25	6.28	1256419	2326.454738			5
6.44	6.45	6.48	228015	56.959078			6
Height Summation:			**6790619.13**				
Amount Avg CF:			**1139.751181**	Linear:			

BOUS

Analysis Report (B)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0039.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	150.84	
3.49	3.51	3.53	240709.2	628.663346			1
3.61	3.63	3.65	93795.33	206.241014			2
3.70	3.72	3.74	131678.4	406.381361			3
3.84	3.85	3.88	1238373	2033.618146			4
3.97	3.98	4.01	1801204	5748.886491			5
+ 3.97	4.00	4.01	182406.9	582.18645			5
4.19	4.21	4.23	4911736	17011.127986			6
Height Summation:			**8417495.93**				
Amount Avg CF:			**4339.153057**	Linear:			
Aroclor-1254					6	74.76	
4.13	4.15	4.17	766755.8	1568.124909			1
4.19	4.21	4.23	4911736	5782.180849			2
4.29	4.30	4.32	5155288	12385.257086			3
4.35	4.37	4.39	1892974	3788.243175			4
4.57	4.59	4.61	1390938	3706.185391			5
4.65	4.67	4.69	9006741	14238.784266			6
Height Summation:			**23124432.8**				
Amount Avg CF:			**6911.462612**	Linear:			
Aroclor-1260					6	33.02	
4.42	4.44	4.46	6668116	8468.884125			1
4.52	4.54	4.56	4256514	7061.288807			2
4.65	4.67	4.69	9006741	11831.902155			3
4.87	4.89	4.91	2652002	5069.774445			4
5.06	5.08	5.10	7463886	6051.685248			5
5.32	5.34	5.36	4926794	6032.944845			6
Height Summation:			**34974053**				
Amount Avg CF:			**7419.413271**	Linear:			
Aroclor-1262					6	34.97	
4.68	4.70	4.72	1741417	2055.035002			1
4.87	4.89	4.91	2652002	3093.471375			2
E 5.06	5.08	5.10	7463886	4323.957402			3
5.28	5.30	5.32	1267598	1771.037432			4
E 5.33	5.34	5.37	4926794	4171.601589			5
5.71	5.72	5.75	1821464	2743.444023			6
Height Summation:			**19873161**				
Amount Avg CF:			**3026.424471**	Linear:			
Aroclor-1268					6	105.46	
5.28	5.30	5.32	1267598	622.539629			1
5.33	5.34	5.37	4926794	2462.303366			2
5.48	5.50	5.52	205963.4	111.328894			3
+ 5.55	5.57	5.59	22566.64	49.727073			4
5.55	5.59	5.59	278194.8	613.020509			4
5.71	5.72	5.75	1821464	2432.200405			5
5.91	5.92	5.95	374377.6	61.541048			6
Height Summation:			**8874391.8**				
Amount Avg CF:			**1050.488975**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229400 ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.17 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0039.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:01:33
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0039.RAW
Calibration file : 07PCBS1728201B.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			1002.9499	194.6903		** 111.74	4	40	
Aroclor-1221			1002.9499	300.885		22.93	3	40	
Aroclor-1232			1002.9499	241.8879		** 116.55	4	40	
Aroclor-1242			1002.9499	241.8879		** 114.90	4	40	
Aroclor-1248			1002.9499	194.6903		** 177.57	4	40	
Aroclor-1254			1002.9499	259.587		3.71	4	40	
Aroclor-1260			1002.9499	230.0885		16.23	4	40	
Aroclor-1262			1002.9499	194.6903	E	2.37	4	40	
Aroclor-1268			1002.9499	194.6903		8.15	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229400 ACF DF20 AC96A13 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:01:33 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: 07pcbs17282002.0039.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.582		24663	33522
1.645		5301	5370
1.686		16269	16170
1.953		2018	877
2.053		10749	15520
2.083		4094	3229
2.144		13883	10053
2.21		38467	31095
2.333		14760	14928
2.405		5441	3915
2.497		3582	3121
2.659		22787	14758
2.745		2715	1426
2.815		3298	2122
2.897		4548	3798
2.937	TCX	406682	284712
3.047		2790	1312
3.132		7488	7798
3.192		2722	2305
3.241		22684	15668
3.257		8412	3461
3.402		3836	2371
3.419		4733	3393
3.519		13536	8289
3.611		4001	2281
3.679		6415	4870
3.702		46634	48029
3.738		31463	25476
3.773		1961	1265
3.791		10905	7210
3.829		20346	15965
3.858		164260	117008
3.884		173367	114364
3.906		188742	130304
3.981		70688	49378
4.005		70788	49289
4.036		135385	101975
4.07		124388	107714
4.115		37579	29739
4.142		40503	28671
4.17		5866	3774
4.193		45308	31508
4.229		740722	565415
4.247		61257	27255
4.274		741734	645619
4.341		593685	496008
4.383		1422176	1472043
4.417		1469347	1243491
4.457		294228	221389
4.479		108776	70738
4.521		472750	432700
4.571		289919	202199
4.588		260844	148221

RT A	Compound A	Height A	Area A
4.601		129322	64717
4.633		4001226	3433665
4.681		972202	717634
4.695		137603	72296
4.717		253239	154840
4.757		3314324	3040675
4.804		275404	239473
4.844		1513673	1537209
4.876		41183	25688
4.903		810844	753853
4.955		3924527	4847656
5.006		428088	386957
5.046		1529087	1634374
5.09		267016	188048
5.127		479085	592483
5.16		6120452	5319005
5.183		282560	149701
5.202		126596	62157
5.227		1771215	1564652
5.269		1218396	1169048
5.342		9101	8366
5.366		1060438	832764
5.389		1577125	1326273
5.446		974427	880090
5.484		678251	669209
5.525		91386	110769
5.567		842143	838687
5.599		144043	104101
5.625		5794698	5249674
5.66		38485	37428
5.712		24319	23575
5.746		11513	6913
5.77		8406	5046
5.786		7319	4613
5.83		3863038	3498413
5.86		380047	250607
5.885		677056	724489
5.996		116314	99933
6.02		39098	27959
6.05		9175	6219
6.073		114795	84727
6.1		726993	685174
6.134		3256	2181
6.165		46259	40257
6.2		4652	3271
6.226		35593	26072
6.254		1256419	1177004
6.299		87261	76323
6.455		228015	233692
6.568		10763	8890
6.601	DCB	257129	253907
6.637		20916	16224
6.843		1805	1224
6.892		1637	1309
7.11		2123	2001
7.198		1898	724
7.273		1460	709
7.329		1398	1002
7.351		1355	714
7.411		1601	2598
7.426		1214	890
7.621		1499	918
7.858		1482	1244
7.947		5977	7661
8.015		1068	322
8.229		1060	384

RT A	Compound A	Height A	Area A
8.349		1074	568
8.376		1102	382
8.517		1140	798

LANCASTER LABORATORIES

Sample Number: 9229400 ACF DF20 AC96A13 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:01:33 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: 07pcbs17282002B.0039.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.558		2484	2636
1.647		1552	1564
1.724		4237	2504
1.771		7958	7550
1.851		20971	21123
1.9		18129	14889
1.932		57845	48874
1.962		7487	11408
2.092		4646	3328
2.136		3694	1857
2.296		3320	3660
2.341		30065	19938
2.415		3478	3510
2.469		2940	1626
2.51		3324	2897
2.592	TCX	595139	393261
2.688		5494	7826
2.761		4741	2619
2.809		11988	13394
2.889		8176	3496
2.9		38157	18987
2.947		3015	1897
3.095		7280	8392
3.18		3947	1969
3.204		27044	17260
3.248		5557	5332
3.306		23727	21391
3.363		61624	44226
3.383		65144	38914
3.413		42257	24576
3.469		18104	19959
3.506		240709	150473
3.529		261141	135834
3.547		291847	163034
3.631		93795	51972
3.654		89637	51060
3.675		181049	135748
3.72		131678	118382
3.758		73315	53703
3.801		64724	42424
3.832		23449	14535
3.853		1238373	819492
3.877		283146	153251
3.897		636500	372731
3.916		683821	416615
3.952		1897736	1354904
3.982		1801204	1127415
3.999		182407	82777
4.022		392424	258598
4.061		193794	179108
4.095		565629	385662
4.116		74342	63986
4.151		766756	575596
4.191		516458	498675

4.211		4911737	4398975
4.249		887435	819318
4.302		5155288	4086835
4.34		405149	369448
4.371		1892974	1255448
4.395		1581608	1135353
4.438		6668117	5257888
4.492		58459	43492
4.539		4256514	4324904
4.59		1390938	1158932
4.63		1651665	1442407
4.668		9006741	7562985
4.7		1741417	1263376
4.738		1585838	1261366
4.795		38329	23393
4.836		367263	236439
4.854		293148	183329
4.886		2652002	1954250
4.91		1635381	1137640
4.96		1778441	1567897
4.996		845071	670781
5.026		637283	504499
5.059		677485	437957
5.082		7463886	6052636
5.123		153220	107896
5.153		220806	188067
5.195		7868	5101
5.219		32176	22047
5.252		14753	10205
5.274		58455	34190
5.297		1267598	1061436
5.34		4926794	5409365
5.496		205963	167561
5.543		190812	169370
5.566		22567	11788
5.589		278195	205604
5.615		763262	626701
5.658		17192	18444
5.697		66875	46801
5.724		1821464	1511915
5.756		105327	80073
5.801		8498	6506
5.924		374378	345313
6.061		6328	4261
6.084	DCB	449331	387552
6.121		51124	42070
6.212		4294	3803
6.258		5300	3792
6.283		30016	25604
6.35		1518	3727
6.453		2603	2434
6.526		4059	4573
6.563		4413	4162
6.621		2147	2795
6.811		2045	2263
6.983		2908	3085
7.094		1676	1441
7.324		1385	1059
7.426		2046	3586
7.514		11687	16954
7.672		1741	1216
7.967		1802	2362
8.057		19405	35467
8.158		8802	16157
8.366		40923	79092

9229400 ACF DF20 AC96A13 T 172790009A 10225 **SW-846 8082**

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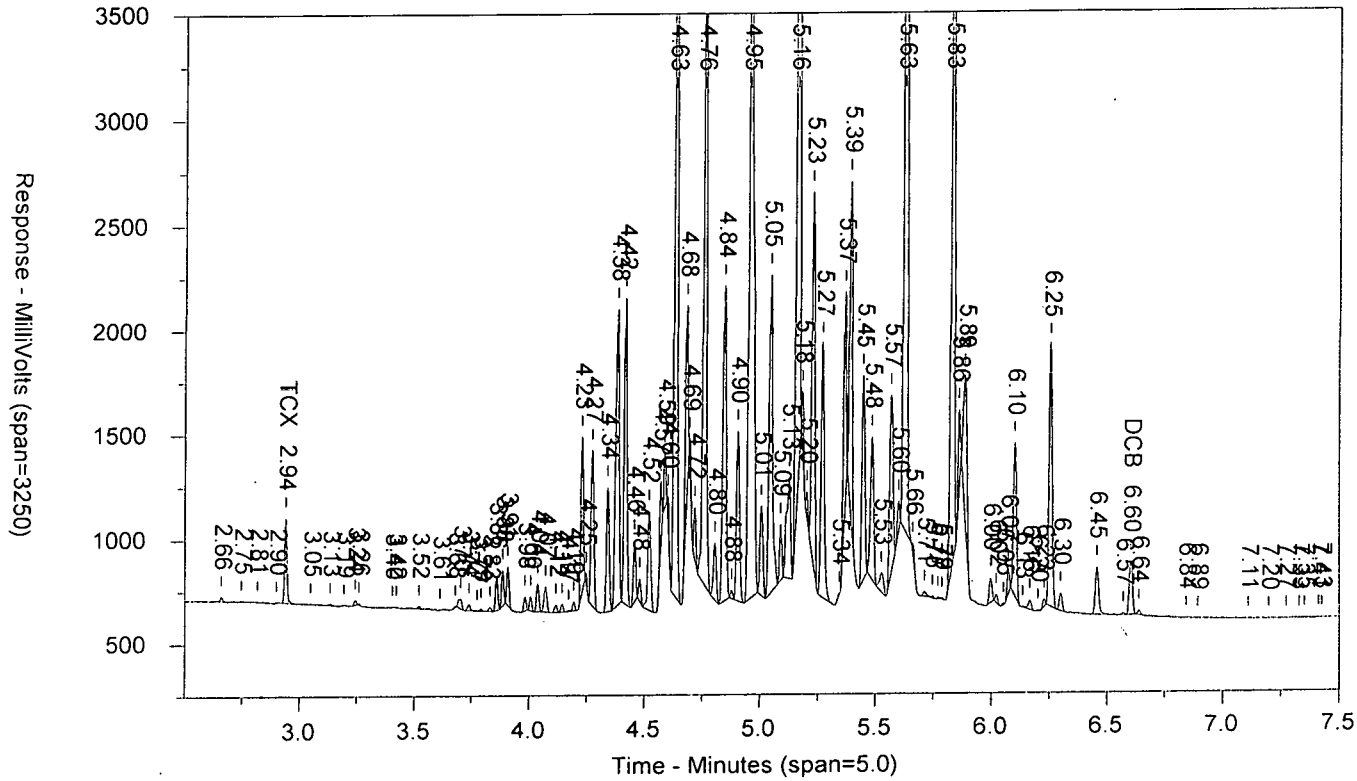

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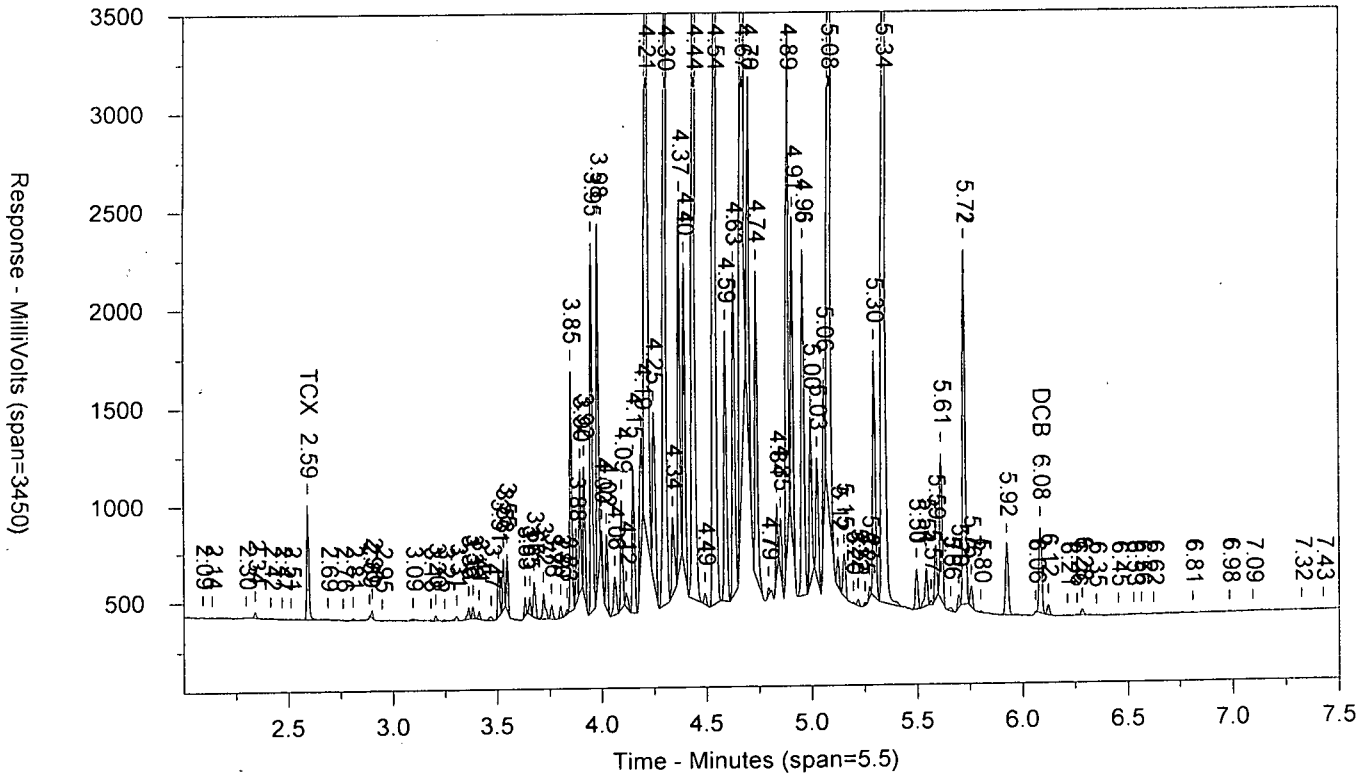

LANCASTER LABORATORIES

Sample Number: 9229400 ACF DF20 AC96A13 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:01:33 AM
Sample Weight: 10.17
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
2.937	406682	28.388	TCX	2.592	595139	36.653	TCX
6.601	257129	26.379	DCB	6.084	449331	28.142	DCB

Files:
Area File: 07pcbs17282002.0039.RAW
Area File: 07pcbs17282002B.0039.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 1:10:16 AM
File Reported On: 10/11/2017 at 1:13:02 AM

9229400 ACF DF20 AC96A13 T 172790009A 10225 SW-846 8082

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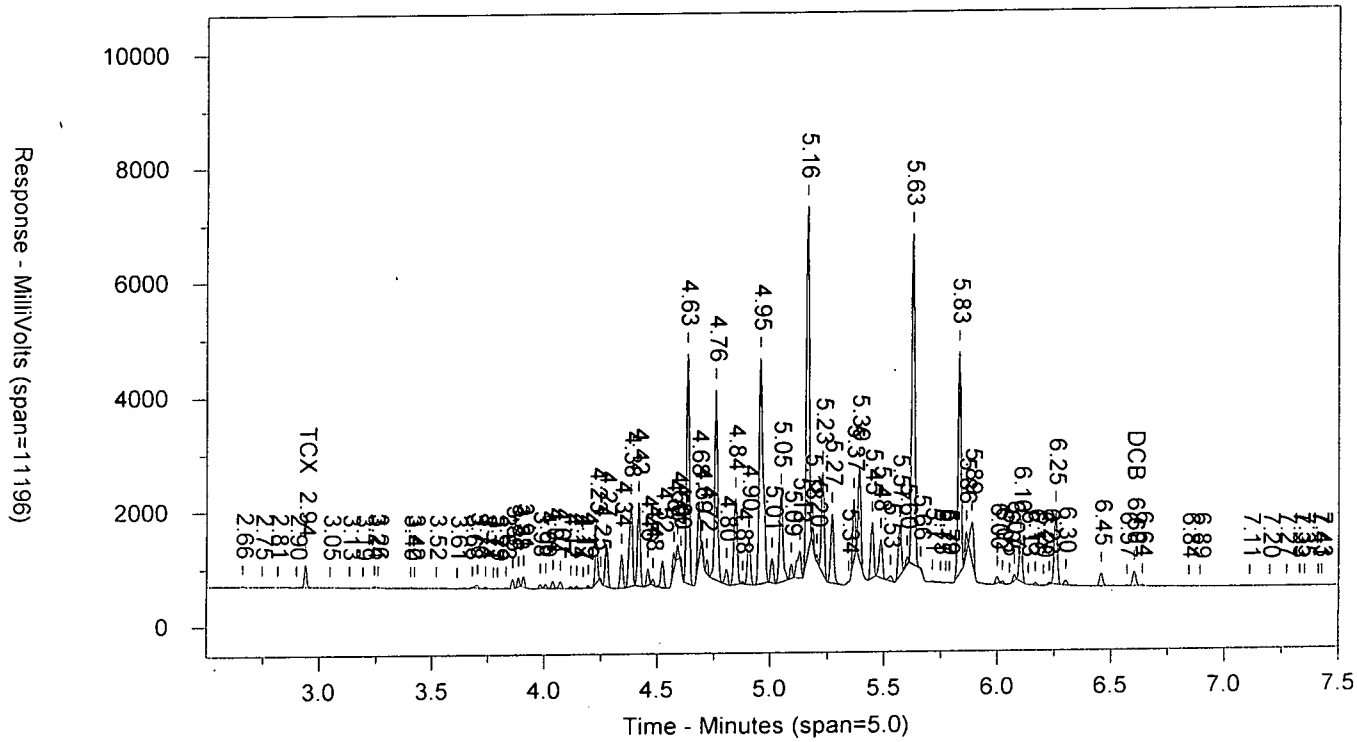

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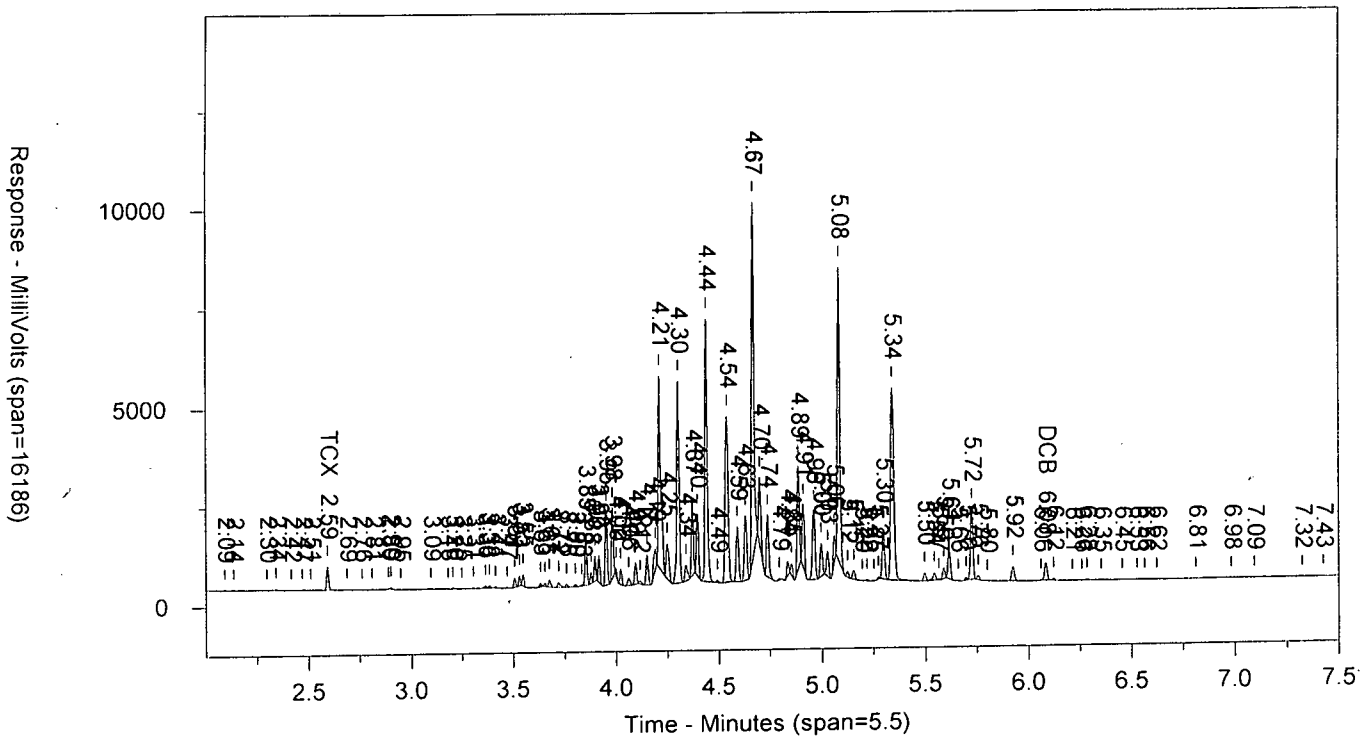

9229400 ACF DF20 AC96A13 T 172790009A 10225 SW-846 8082

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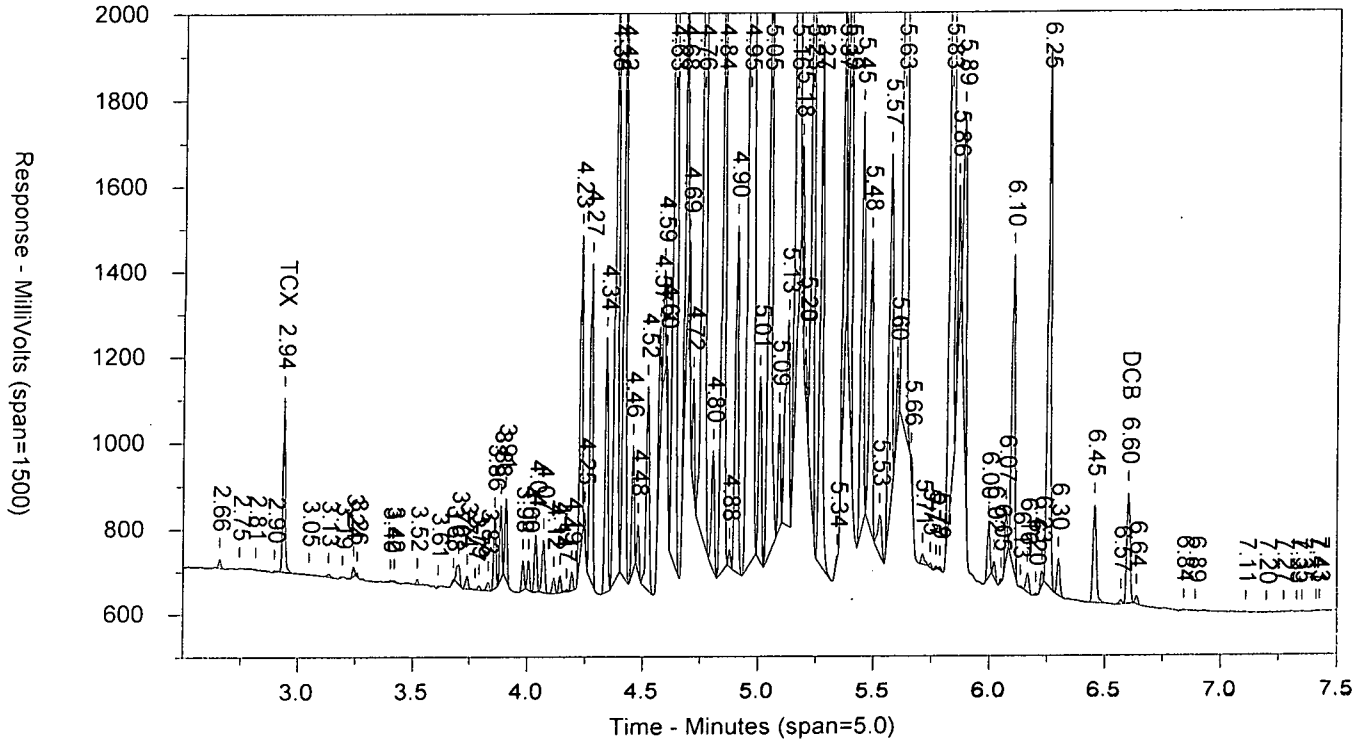

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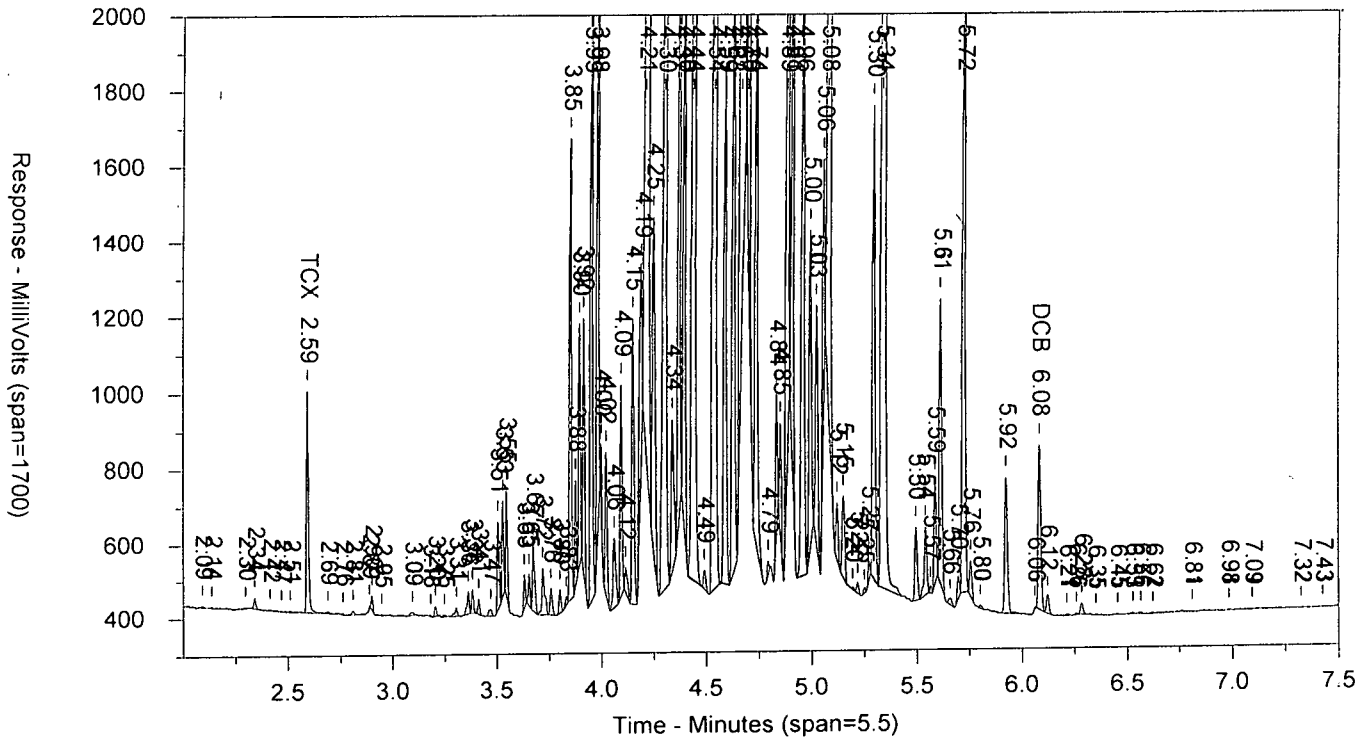

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Data Summary

Sample Name: 9229403 ACF DF20 96A14 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.39 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:35:48
Instrument	19843A
Result file	07PCBS17282002.0042.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 97% (61 - 152) Conc: 28.55509
%SSR(DCB) 101% (48 - 164) Conc: 26.27217

Analysis Report (B)

Injected on	Oct 11, 2017 01:35:48
Instrument	19843B
Result file	07PCBS17282002B.0042.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 116% (61 - 152) Conc: 34.22235
%SSR(DCB) 117% (48 - 164) Conc: 30.55293

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	417928	28.55509	Tetrachloro-m-xylene	2.56	2.59	2.62	567688	34.22235
Decachlorobiphenyl	6.58	6.60	6.64	261629	26.27217	Decachlorobiphenyl	6.06	6.08	6.12	498370	30.55293

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	34.22235				18.06	
☑	Tetrachloro-m-xylene-D1	A	28.55509					
☑	Tetrachloro-m-xylene-D2	B	34.22235					
☐	Decachlorobiphenyl	B	30.55293				15.07	
☑	Decachlorobiphenyl-D1	A	26.27217					
☑	Decachlorobiphenyl-D2	B	30.55293					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.07**	
4.74	4.76	4.78	3447018	6182.520654			1
4.94	4.96	4.98	3865354	7092.874205			2
5.14	5.16	5.18	5660729	8579.700547			3
5.37	5.39	5.41	2267529	6202.13848			4
5.61	5.63	5.65	8097943	7374.390785			5
5.81	5.83	5.85	5020426	6523.046485			6

Height summation: **28358999**
Concentration CF: **6992.445193** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.44**	
4.42	4.44	4.46	7210914	8964.349199			1
4.52	4.54	4.56	4800366	7794.884147			2
4.65	4.67	4.69	8741643	11240.493195			3
4.87	4.89	4.91	3976081	7440.042549			4
5.06	5.08	5.10	10795910	8567.931688			5
5.32	5.34	5.36	6957803	8339.54746			6

Height summation: **42482717**
Concentration CF: **8724.541373** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<981.7132	<190.5678	D1		4	
☑	PCB-1221			<981.7132	<294.5139	D1		3	
☑	PCB-1232			<981.7132	<236.7661	D1		4	
☑	PCB-1242			<981.7132	<236.7661	D1		4	
☑	PCB-1248			<981.7132	<190.5678	D1		4	
☑	PCB-1254			<981.7132	<254.0905	D1		4	
☑	PCB-1260	A	6992.445193	981.7132	225.2165	D1	22.04	4	

Units: ug/kg

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

Valerie L Tomzyko
Valerie L Tomzyko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:03

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229403** ACF DF20 96A14 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.39 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0042.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) 97% (61-152) Conc.: 28.55509 Pass/GA
%SSR(DCB) 101% (48-164) Conc.: 26.27217

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**110.75**	
3.17	3.19	3.21	3297.391	12.868956			1
3.71	3.74	3.75	17321.69	45.572078			4
3.77	3.79	3.81	6211.504	18.981363			5
3.96	3.98	4.00	36386.69	146.512213			6
Height Summation:			**63217.275**				
Amount Avg CF:			**55.983653**	Linear:			
Aroclor-1221					**2**	**104.35**	
3.12	3.13	3.16	7007.98	61.846895			2
3.17	3.19	3.21	3297.391	9.32767			3
Height Summation:			**10305.371**				
Amount Avg CF:			**35.587283**	Linear:			
Aroclor-1232					**4**	**122.50**	
3.17	3.19	3.21	3297.391	11.27434			1
3.71	3.74	3.75	17321.69	98.423373			4
3.77	3.79	3.81	6211.504	42.486456			5
3.96	3.98	4.00	36386.69	349.285051			6
Height Summation:			**63217.275**				
Amount Avg CF:			**125.367305**	Linear:			
Aroclor-1242					**4**	**110.96**	
3.17	3.19	3.21	3297.391	9.723085			1
3.71	3.74	3.75	17321.69	34.888366			4
3.77	3.79	3.81	6211.504	13.969271			5
3.96	3.98	4.00	36386.69	111.011307			6
Height Summation:			**63217.275**				
Amount Avg CF:			**42.398007**	Linear:			
Aroclor-1248					**5**	**73.58**	
3.71	3.74	3.75	17321.69	99.894492			1
3.77	3.79	3.81	6211.504	32.772064			2
3.84	3.86	3.88	101863.3	315.745173			3
3.96	3.98	4.00	36386.69	99.680678			4
4.05	4.07	4.09	70978	225.226886			5
Height Summation:			**232761.184**				
Amount Avg CF:			**154.663859**	Linear:			
Aroclor-1254					**6**	**87.39**	
+ 4.55	4.57	4.59	144594.1	346.84477			1
4.55	4.59	4.59	453961.8	1088.939839			1
4.62	4.63	4.65	2603901	3217.386248			2
4.74	4.76	4.78	3447018	14152.941401			3
4.83	4.84	4.87	862844.2	1929.180468			4
5.03	5.05	5.06	1541951	5659.988041			5
5.14	5.16	5.18	5660729	12836.841866			6
+ 5.14	5.18	5.18	242596.9	550.137278			6
Height Summation:			**14570405**				
Amount Avg CF:			**6480.879644**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0042.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 116% (61-152) Conc.: 34.22235
%SSR(DCB) : 117% (48-164) Conc.: 30.55293

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**130.79**	
2.86	2.89	2.90	7235.163	24.766213			1
3.19	3.21	3.23	11898.84	33.554774			2
3.38	3.38	3.42	43191.15	121.397343			3
+ 3.38	3.41	3.42	24132.5	67.829205			3
3.45	3.46	3.49	11690.96	30.379201			4
+ 3.51	3.53	3.55	149607.2	534.486134			5
3.51	3.55	3.55	156661.6	559.688658			5
3.61	3.63	3.65	56831.54	176.020887			6
Height Summation:			**287509.253**				
Amount Avg CF:			**157.634513**	Linear:			
Aroclor-1221					**2**	**102.40**	
2.81	2.81	2.85	11947.47	97.20202			2
2.86	2.89	2.90	7235.163	15.55586			3
Height Summation:			**19182.633**				
Amount Avg CF:			**56.37894**	Linear:			
Aroclor-1232					**6**	**143.59**	
2.86	2.89	2.90	7235.163	19.442416			1
3.19	3.21	3.23	11898.84	65.743242			2
3.38	3.38	3.42	43191.15	241.861546			3
+ 3.38	3.41	3.42	24132.5	135.13703			3
3.45	3.46	3.49	11690.96	67.831666			4
+ 3.51	3.53	3.55	149607.2	1385.503553			5
3.51	3.55	3.55	156661.6	1450.83394			5
3.61	3.63	3.65	56831.54	439.59905			6
Height Summation:			**287509.253**				
Amount Avg CF:			**380.88531**	Linear:			
Aroclor-1242					**6**	**131.47**	
2.86	2.89	2.90	7235.163	19.782668			1
3.19	3.21	3.23	11898.84	26.337607			2
3.38	3.38	3.42	43191.15	95.753779			3
+ 3.38	3.41	3.42	24132.5	53.501193			3
3.45	3.46	3.49	11690.96	23.735785			4
+ 3.51	3.53	3.55	149607.2	426.367433			5
3.51	3.55	3.55	156661.6	446.471856			5
3.61	3.63	3.65	56831.54	139.102952			6
Height Summation:			**287509.253**				
Amount Avg CF:			**125.197441**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229403 ACF DF20 96A14 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.39 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0042.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**13.07**	
4.74	4.76	4.78	3447018	6182.520654			1
4.94	4.96	4.98	3865354	7092.874205			2
5.14	5.16	5.18	5660729	8579.700547			3
5.37	5.39	5.41	2267529	6202.13848			4
5.61	5.63	5.65	8097943	7374.390785			5
5.81	5.83	5.85	5020426	6523.046485			6
Height Summation:			**28358999**				
Amount Avg CF:			**6992.445193**	Linear:			
Aroclor-1262					**6**	**38.50**	
5.21	5.23	5.25	2427433	3608.62459			1
E 5.37	5.39	5.41	2267529	4751.339777			2
E 5.61	5.63	5.65	8097943	6452.715942			3
E 5.81	5.83	5.85	5020426	5038.575476			4
5.87	5.89	5.91	908467.4	1765.092922			5
6.24	6.25	6.28	1763682	3444.057221			6
Height Summation:			**20485480.4**				
Amount Avg CF:			**4176.734321**	Linear:			
Aroclor-1268					**6**	**96.26**	
5.81	5.83	5.85	5020426	2715.687861			1
5.87	5.89	5.91	908467.4	514.619127			2
6.00	6.02	6.04	62845.18	39.502776			3
+ 6.07	6.07	6.11	112909.1	289.346356			4
6.07	6.10	6.11	934213.3	2394.060476			4
6.24	6.25	6.28	1763682	3196.581637			5
6.44	6.46	6.48	317359.2	77.598983			6
Height Summation:			**9006993.08**				
Amount Avg CF:			**1489.675143**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0042.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**134.71**	
3.49	3.51	3.53	148716.9	380.181675			1
3.61	3.63	3.65	56831.54	122.317515			2
+ 3.70	3.71	3.74	4195.416	12.673591			3
3.70	3.72	3.74	71144.2	214.913722			3
3.84	3.85	3.88	939471.2	1510.103834			4
3.97	3.98	4.01	1088868	3401.742777			5
+ 3.97	4.00	4.01	121519.1	379.638965			5
4.19	4.21	4.23	2341741	7938.571511			6
+ 4.19	4.22	4.23	947880.1	3213.341679			6
Height Summation:			**4646772.84**				
Amount Avg CF:			**2261.305172**	Linear:			
Aroclor-1254					**6**	**101.13**	
4.13	4.15	4.17	491180.7	983.264326			1
4.19	4.21	4.23	2341741	2698.366398			2
+ 4.19	4.22	4.23	947880.1	1092.233433			2
4.29	4.30	4.32	5691430	13383.783348			3
4.35	4.37	4.39	926479.8	1814.824195			4
4.57	4.59	4.61	1045455	2726.654538			5
4.65	4.67	4.69	8741643	13527.069068			6
Height Summation:			**19237929.5**				
Amount Avg CF:			**5855.660312**	Linear:			
Aroclor-1260					**6**	**15.44**	
4.42	4.44	4.46	7210914	8964.349199			1
4.52	4.54	4.56	4800366	7794.884147			2
4.65	4.67	4.69	8741643	11240.493195			3
4.87	4.89	4.91	3976081	7440.042549			4
5.06	5.08	5.10	10795910	8567.931688			5
5.32	5.34	5.36	6957803	8339.54746			6
Height Summation:			**42482717**				
Amount Avg CF:			**8724.541373**	Linear:			
Aroclor-1262					**6**	**30.30**	
4.68	4.70	4.72	3138996	3625.873191			1
E 4.87	4.89	4.91	3976081	4539.759886			2
E 5.06	5.08	5.10	10795910	6121.827246			3
5.28	5.30	5.32	1874636	2563.707968			4
E 5.33	5.34	5.37	6957803	5766.548565			5
E 5.71	5.72	5.75	2688390	3963.448211			6
Height Summation:			**29431816**				
Amount Avg CF:			**4430.194178**	Linear:			
Aroclor-1268					**6**	**123.34**	
5.28	5.30	5.32	1874636	901.172262			1
5.33	5.34	5.37	6957803	3403.726755			2
5.48	5.50	5.52	184631.4	97.685209			3
5.55	5.57	5.59	40587.82	87.544149			4
5.71	5.72	5.75	2688390	3513.795165			5
5.91	5.92	5.95	567766.8	91.354602			6
Height Summation:			**12313815.02**				
Amount Avg CF:			**1349.213024**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229403 ACF DF20 96A14 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.39 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0042.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:35:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0042.RAW
Calibration file : 07PCBS1728201B.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			981.7132	190.5678		** 95.17	4	40	
Aroclor-1221			981.7132	294.5139		** 45.22	3	40	
Aroclor-1232			981.7132	236.7661		** 100.94	4	40	
Aroclor-1242			981.7132	236.7661		** 98.81	4	40	
Aroclor-1248			981.7132	190.5678		** 174.39	4	40	
Aroclor-1254			981.7132	254.0905		10.14	4	40	
Aroclor-1260			981.7132	225.2165		22.04	4	40	
Aroclor-1262			981.7132	190.5678	E	5.89	4	40	
Aroclor-1268			981.7132	190.5678		9.90	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229403 ACF DF20 AC96A14 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:35:48 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: 07pcbs17282002.0042.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.582		17907	18937
1.688		11511	10842
2.051		8634	10135
2.143		14642	10228
2.209		42311	33842
2.334		11938	12208
2.493		4008	2970
2.66		22984	15682
2.908		3037	3786
2.937	TCX	417928	292569
3.024		3366	2001
3.133		7008	5393
3.188		3297	2338
3.244		20700	12754
3.612		3243	1379
3.675		37401	24330
3.703		29753	25666
3.739		17322	13834
3.79		6212	3890
3.829		12322	9583
3.858		101863	70799
3.884		96556	62531
3.907		100904	65941
3.981		36387	24556
4.005		36297	25091
4.036		69294	49872
4.071		70978	63651
4.115		24792	18728
4.143		29212	20034
4.173		7465	4777
4.193		27065	18844
4.229		616427	558861
4.274		468883	408416
4.341		424973	357007
4.383		957483	1011373
4.417		926934	760504
4.458		170106	128543
4.48		67375	45440
4.522		302302	271895
4.571		144594	93295
4.588		453962	487807
4.633		2603901	2251097
4.681		1528561	1741698
4.718		271677	172646
4.757		3447018	3151429
4.804		129868	116921
4.844		862844	888025
4.876		31734	19046
4.904		792264	734465
4.956		3865355	4713451
5.007		580945	541646
5.047		1541951	1638330
5.09		149153	99968

RT A	Compound A	Height A	Area A
5.127		435283	532182
5.161		5660729	5042159
5.183		242597	121504
5.203		96241	45314
5.227		2427433	2193068
5.27		1590631	1518784
5.365		843360	684513
5.389		2267529	1837026
5.446		1390198	1201094
5.485		823085	836732
5.528		127272	144648
5.57		848016	825919
5.6		60566	41829
5.626		8097943	7950624
5.712		11939	11838
5.745		6900	3452
5.771		9964	11865
5.831		5020426	4631464
5.861		327672	231730
5.885		908467	1034372
5.997		76938	59734
6.021		62845	49973
6.051		3428	2074
6.074		112909	95432
6.101		934213	819593
6.165		29229	25723
6.2		3882	2318
6.227		18011	11774
6.255		1763682	1708946
6.299		115086	111050
6.367		1913	2231
6.422		1717	899
6.455		317359	325567
6.57		6388	5584
6.601	DCB	261629	259424
6.638		12090	8968
6.736		1531	931
6.849		2194	2140
6.995		1358	568
7.15		970	279
7.415		1157	1781
7.512		971	350
7.706		1111	361
7.778		1252	755
7.876		1399	382
7.998		1627	591
8.15		1381	385
8.204		1248	407
8.508		866	647
8.546		264	359
8.565		1363	1047

LANCASTER LABORATORIES

Sample Number: 9229403 ACF DF20 AC96A14 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:35:48 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: 07pcbs17282002B.0042.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.724		3994	3012
1.771		6121	5983
1.802		2147	1559
1.851		22216	19554
1.9		11658	8807
1.933		55923	41261
2.021		2085	1609
2.204		1537	1033
2.266		1918	1786
2.313		1995	1407
2.341		28608	18916
2.467		2394	1185
2.486		1974	1262
2.592	TCX	567688	374134
2.683		3031	3214
2.81		11947	12858
2.889		7235	2900
2.901		33650	16895
3.093		5292	9270
3.205		11899	8115
3.246		5729	6232
3.306		56093	42228
3.364		22882	14992
3.384		43191	26387
3.414		24133	14369
3.463		11691	13448
3.507		148717	91091
3.529		149607	80770
3.547		156662	87203
3.632		56832	30274
3.654		52921	30837
3.675		103659	77807
3.705		4195	1793
3.721		71144	62129
3.759		53071	37335
3.801		44597	29844
3.833		6919	4502
3.853		939471	633604
3.878		124227	64386
3.897		497966	288584
3.917		547126	328727
3.952		1393617	975407
3.983		1088868	710334
4		121519	54310
4.023		243918	156905
4.062		128399	117147
4.095		358754	244591
4.116		64143	47949
4.151		491181	365660
4.193		525241	415840
4.212		2341741	1295890
4.225		947880	399680
4.25		986702	914702
4.303		5691431	4386267

4.34		212177	229922
4.372		926480	617363
4.397		1593927	1190228
4.439		7210914	5589764
4.491		11120	7142
4.54		4800367	4929237
4.592		1045455	870030
4.632		1773817	1533105
4.668		8741643	7279320
4.7		3138996	2164479
4.738		2296734	1802260
4.796		25646	14575
4.809		12918	6509
4.837		550139	392814
4.855		203407	109667
4.887		3976081	2991043
4.911		1177074	780694
4.961		2387484	2058899
4.997		1142461	917151
5.027		912837	712793
5.059		359721	212922
5.082		10795910	9047463
5.123		212621	152837
5.153		307719	253043
5.196		10214	6366
5.219		21372	15474
5.254		7212	5727
5.274		89572	53872
5.297		1874636	1584255
5.341		6957803	7635472
5.498		184631	151257
5.544		223614	182098
5.567		40588	23169
5.589		166868	110703
5.616		1133032	955878
5.659		8296	7083
5.697		39172	25013
5.725		2688390	2292703
5.756		147812	112686
5.835		5060	3425
5.925		567767	516989
6.084	DCB	498370	455081
6.121		31653	25844
6.214		3922	3181
6.258		9449	6908
6.284		4824	4171
6.45		1996	1988
6.561		5090	5883
6.756		1795	1497
7.897		4156	6441
8.059		20639	36603
8.16		8952	15990
8.367		41165	80481

9229403 ACF DF20 AC96A14 T 172790009A 10225 SW-846 8082

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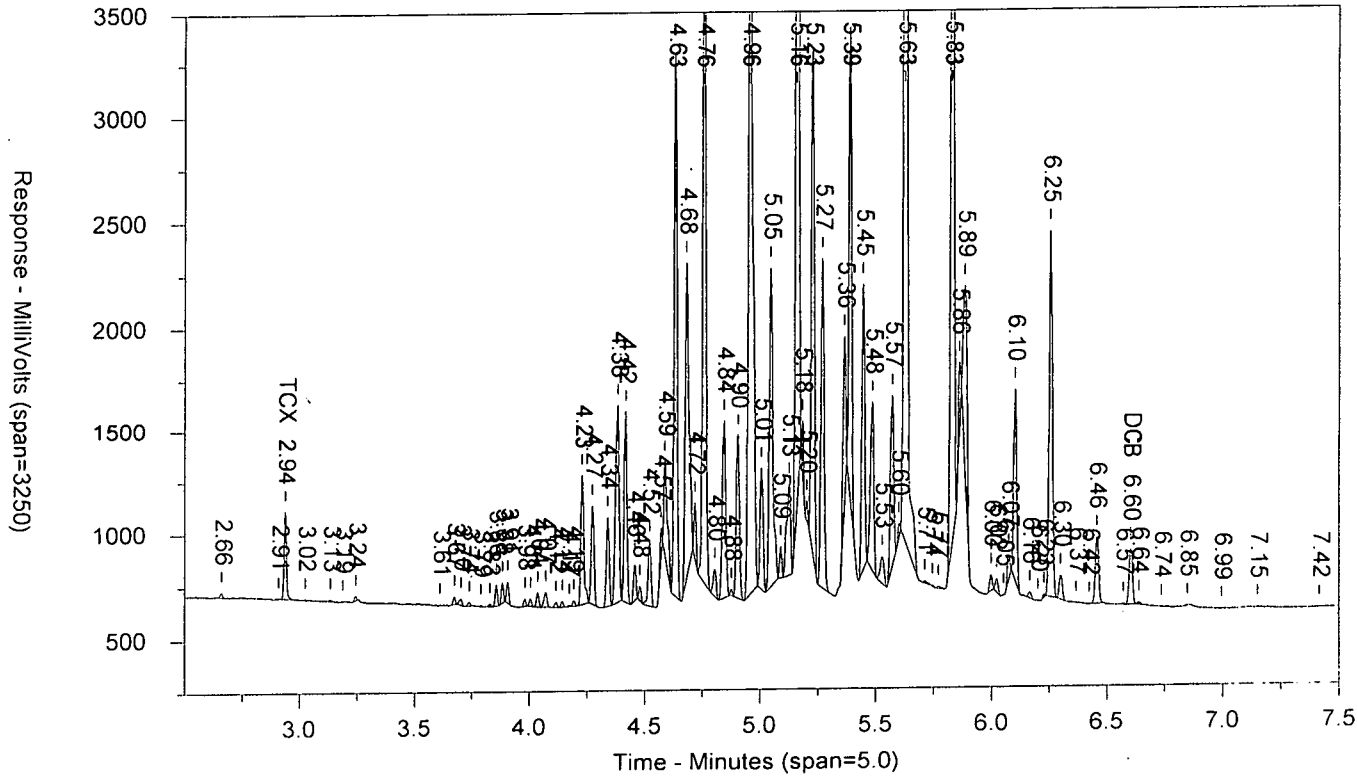

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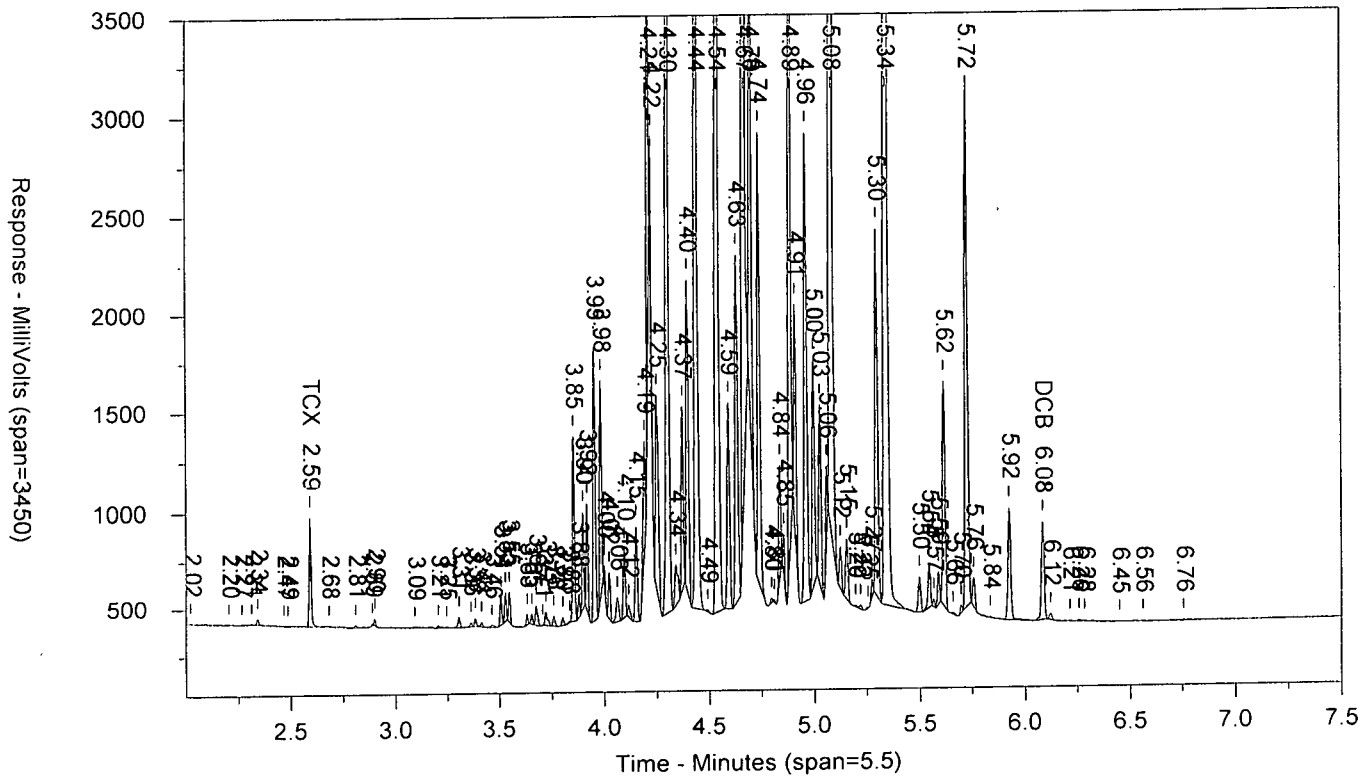

LANCASTER LABORATORIES

Sample Number: 9229403 ACF DF20 AC96A14 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:35:48 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: 10.39
Dilution Factor: 200

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
2.937	417928	28.555	TCX	2.592	567688	34.222	TCX
6.601	261629	26.272	DCB	6.084	498370	30.553	DCB

Files:
Area File: 07pcbs17282002.0042.RAW
Area File: 07pcbs17282002B.0042.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 1:44:31 AM
File Reported On: 10/11/2017 at 1:44:44 AM

9229403 ACF DF20 AC96A14 T 172790009A 10225 **SW-846 8082**

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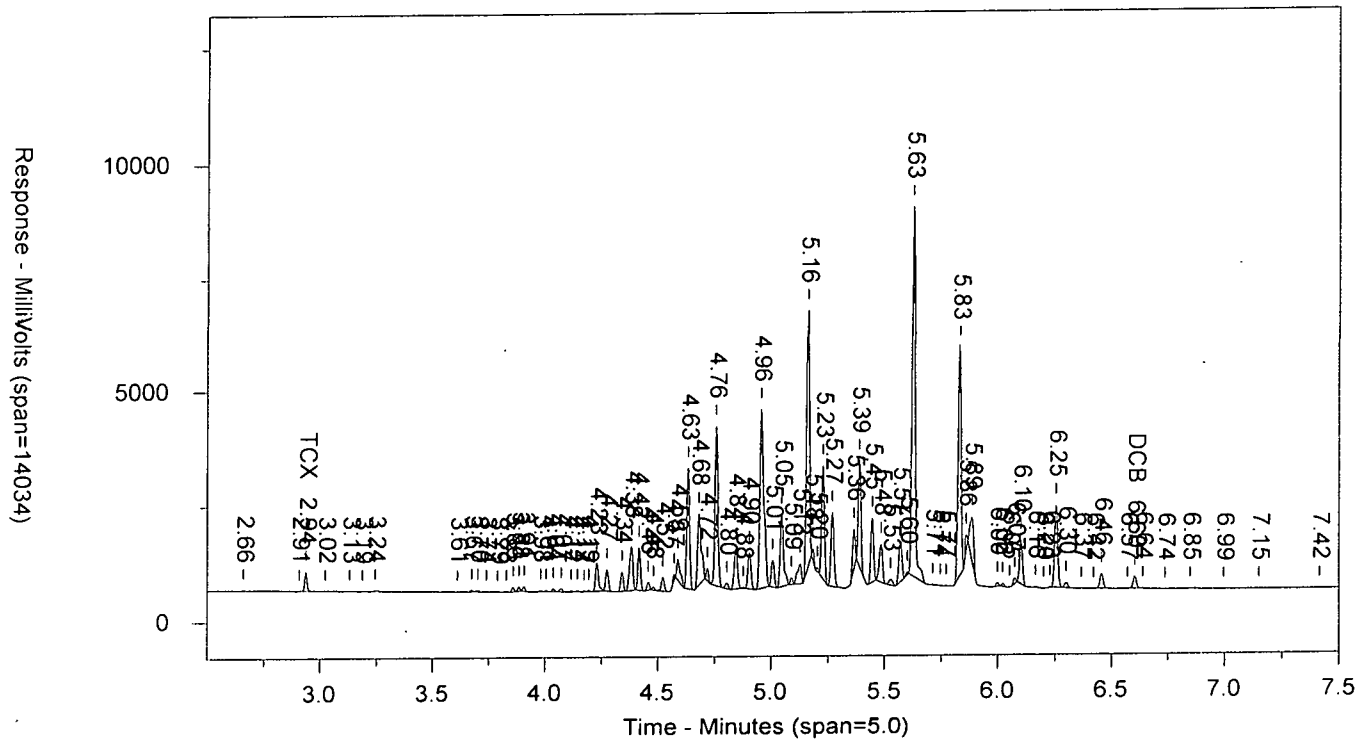

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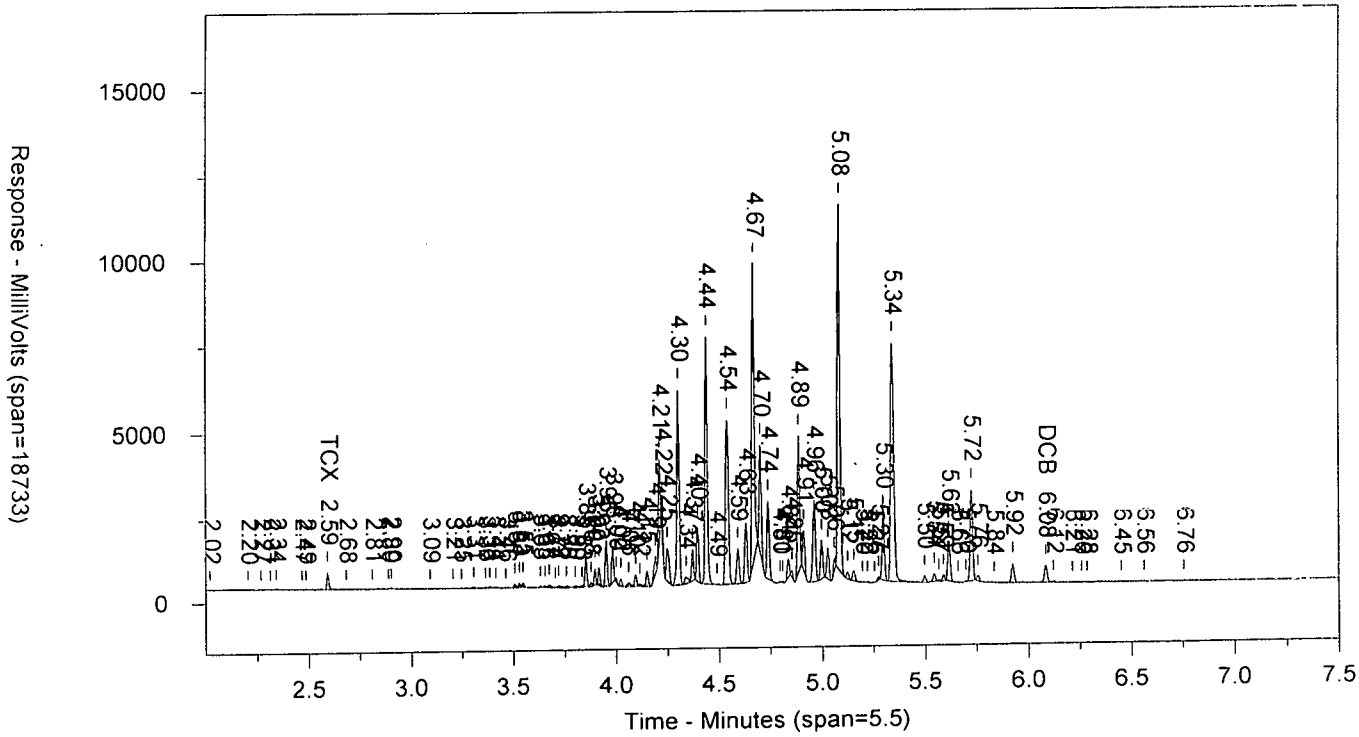

9229403 ACF DF20 AC96A14 T 172790009A 10225 SW-846 8082

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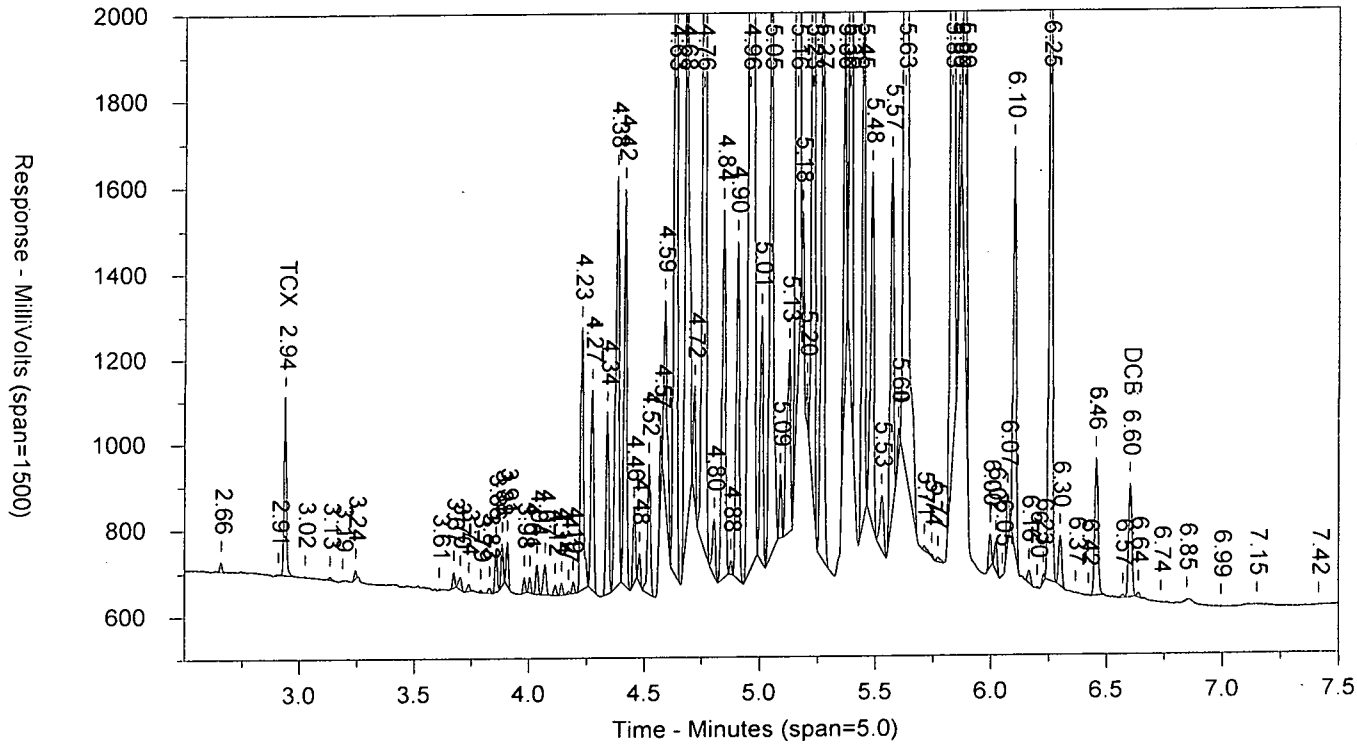

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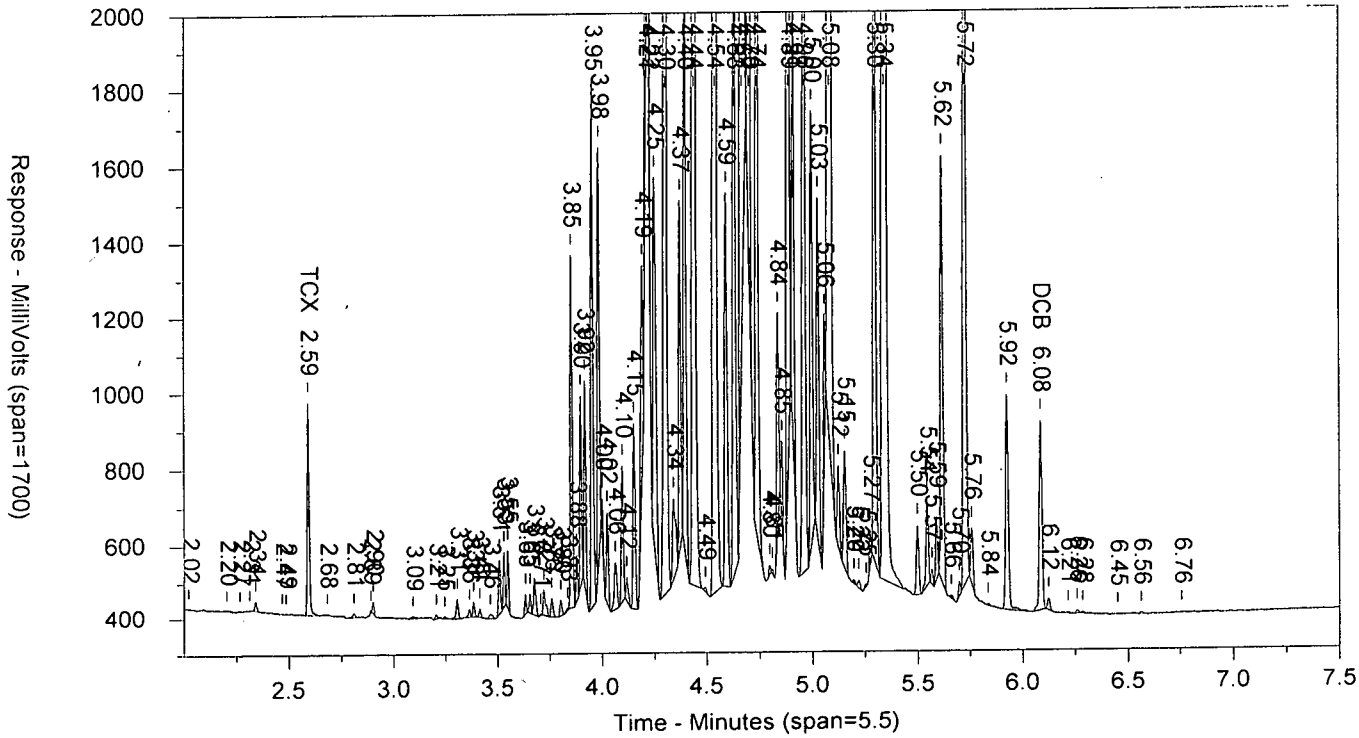

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Data Summary

Sample Name: 9229404 ACF DF50 96A15 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:47:19
Instrument	19843A
Result file	07PCBS17282002.0043.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 92% (61 - 152) Conc: 27.35114
%SSR(DCB) 113% (48 - 164) Conc: 29.98315

Analysis Report (B)

Injected on	Oct 11, 2017 01:47:19
Instrument	19843B
Result file	07PCBS17282002B.0043.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 123% (61 - 152) Conc: 36.49699
%SSR(DCB) 117% (48 - 164) Conc: 30.93887

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	158274	27.35114	Tetrachloro-m-xylene	2.56	2.59	2.62	239371	36.49699
Decachlorobiphenyl	6.58	6.60	6.64	118055	29.98315	Decachlorobiphenyl	6.06	6.08	6.12	199534	30.93887

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	36.49699				28.65	
☑	Tetrachloro-m-xylene-D1	A	27.35114					
☑	Tetrachloro-m-xylene-D2	B	36.49699					
☐	Decachlorobiphenyl	B	30.93887				3.14	
☑	Decachlorobiphenyl-D1	A	29.98315					
☑	Decachlorobiphenyl-D2	B	30.93887					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**22.03**	
4.74	4.76	4.78	2052110	9309.10168			1
4.94	4.96	4.98	2535044	11765.316044			2
5.14	5.16	5.18	3541102	13574.483541			3
5.37	5.39	5.41	1203231	8323.82103			4
5.61	5.63	5.65	3849107	8865.363131			5
5.81	5.83	5.85	2456173	8071.494756			6

Height summation: **15636767**
Concentration CF: **9984.93003** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**26.83**	
4.42	4.44	4.46	3751113	11794.341803			1
4.52	4.54	4.56	2322955	9540.282241			2
4.65	4.67	4.69	4626174	15045.248897			3
4.87	4.89	4.91	1463762	6927.48792			4
5.06	5.08	5.10	4566569	9166.253769			5
5.32	5.34	5.36	3159004	9576.474241			6

Height summation: **19889577**
Concentration CF: **10341.681479** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2482.96	<481.9864	D1		4	
☑	PCB-1221			<2482.96	<744.888	D1		3	
☑	PCB-1232			<2482.96	<598.8315	D1		4	
☑	PCB-1242			<2482.96	<598.8315	D1		4	
☑	PCB-1248			<2482.96	<481.9864	D1		4	
☑	PCB-1254			<2482.96	<642.6485	D1		4	
☑	PCB-1260	A	9984.93003	2482.96	569.6202	D1	3.51	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:05

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229404** ACF DF50 96A15 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0043.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 92% (61-152) Conc.: 27.35114 Pass / 6v
%SSR(DCB) : 113% (48-164) Conc.: 29.98315

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	98.63	
3.17	3.19	3.21	11473.48	113.253894			1
+ 3.38	3.40	3.42	32319.39	310.256237			2
3.38	3.42	3.42	52444.71	503.45314			2
3.50	3.52	3.54	231380.9	1850.488128			3
3.71	3.74	3.75	273141.5	1817.529113			4
3.77	3.79	3.81	47581.39	367.750159			5
3.96	3.98	4.00	372801.5	3796.592978			6
Height Summation:			988823.48				
Amount Avg CF:			1408.177902	Linear:			
Aroclor-1221					3	61.24	
+ 3.07	3.07	3.11	4358.383	87.432659			1
3.07	3.10	3.11	15983.28	320.637419			1
+ 3.12	3.12	3.16	17190.53	383.70674			2
3.12	3.15	3.16	17545.33	391.626167			2
3.17	3.19	3.21	11473.48	82.088632			3
Height Summation:			45002.09				
Amount Avg CF:			264.784073	Linear:			
Aroclor-1232					6	104.86	
3.17	3.19	3.21	11473.48	99.220393			1
+ 3.38	3.38	3.42	11539.08	240.808895			2
+ 3.38	3.40	3.42	32319.39	674.472886			2
3.38	3.42	3.42	52444.71	1094.4679			2
3.50	3.52	3.54	231380.9	4000.293001			3
3.71	3.74	3.75	273141.5	3925.371687			4
3.77	3.79	3.81	47581.39	823.144295			5
3.96	3.98	4.00	372801.5	9051.076001			6
Height Summation:			988823.48				
Amount Avg CF:			3165.595546	Linear:			
Aroclor-1242					6	98.49	
3.17	3.19	3.21	11473.48	85.568499			1
+ 3.38	3.38	3.42	11539.08	85.635597			2
+ 3.38	3.40	3.42	32319.39	239.853631			2
3.38	3.42	3.42	52444.71	389.210754			2
3.50	3.52	3.54	231380.9	1405.169538			3
3.71	3.74	3.75	273141.5	1391.435776			4
3.77	3.79	3.81	47581.39	270.644495			5
3.96	3.98	4.00	372801.5	2876.652681			6
Height Summation:			988823.48				
Amount Avg CF:			1069.78029	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0043.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 123% (61-152) Conc.: 36.49699
%SSR(DCB) : 117% (48-164) Conc.: 30.93887

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	121.28	
2.86	2.89	2.90	116590.4	1009.390432			1
3.19	3.20	3.23	368156.2	2625.83195			2
3.38	3.38	3.42	506124.3	3597.963198			3
+ 3.38	3.41	3.42	386953.6	2750.796222			3
3.45	3.47	3.49	80014.8	525.873884			4
+ 3.51	3.53	3.55	1315098	11883.029577			5
3.51	3.55	3.55	1623050	14665.637963			5
3.61	3.63	3.65	437934.3	3430.590287			6
Height Summation:			3131870				
Amount Avg CF:			4309.214619	Linear:			
Aroclor-1221					2	76.58	
2.81	2.81	2.85	9163.508	188.558544			2
2.86	2.89	2.90	116590.4	634.006337			3
Height Summation:			125753.908				
Amount Avg CF:			411.282441	Linear:			
Aroclor-1232					6	138.09	
2.86	2.89	2.90	116590.4	792.409752			1
3.19	3.20	3.23	368156.2	5144.743466			2
3.38	3.38	3.42	506124.3	7168.270047			3
+ 3.38	3.41	3.42	386953.6	5480.447986			3
3.45	3.47	3.49	80014.8	1174.188289			4
E+ 3.51	3.53	3.55	1315098	30803.380392			5
E 3.51	3.55	3.55	1623050	38016.502606			5
3.61	3.63	3.65	437934.3	8567.64364			6
Height Summation:			3131870				
Amount Avg CF:			10143.959633	Linear:			
Aroclor-1242					6	122.01	
2.86	2.89	2.90	116590.4	806.277332			1
3.19	3.20	3.23	368156.2	2061.05189			2
3.38	3.38	3.42	506124.3	2837.941603			3
+ 3.38	3.41	3.42	386953.6	2169.727318			3
3.45	3.47	3.49	80014.8	410.874196			4
+ 3.51	3.53	3.55	1315098	9479.267078			5
E 3.51	3.55	3.55	1623050	11698.994623			5
3.61	3.63	3.65	437934.3	2711.071646			6
Height Summation:			3131870				
Amount Avg CF:			3421.035215	Linear:			
Aroclor-1248					6	101.12	
3.49	3.51	3.53	843992.6	5457.008205			1
3.61	3.63	3.65	437934.3	2383.928908			2
3.70	3.72	3.74	339786.1	2596.06383			3
3.84	3.85	3.88	1920030	7805.782866			4
3.97	3.98	4.01	1065824	8421.643331			5
+ 3.97	4.00	4.01	299650.7	2367.699845			5
4.19	4.21	4.23	3068307	26307.975273			6
Height Summation:			7675874				
Amount Avg CF:			8828.733735	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229404** ACF DF50 96A15 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0043.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	53.23	
3.71	3.74	3.75	273141.5	3984.043594			1
3.77	3.79	3.81	47581.39	634.93499			2
3.84	3.86	3.88	659057.1	5166.86524			3
3.96	3.98	4.00	372801.5	2583.040391			4
4.05	4.07	4.09	302099.3	2424.550904			5
4.23	4.25	4.27	352462.4	2577.476537			6
Height Summation:			2007143.19				
Amount Avg CF:			2895.151943	Linear:			
Aroclor-1254					6	54.73	
4.55	4.57	4.59	699477.4	4243.687323			1
+ 4.55	4.59	4.59	53200.1	322.761808			1
4.62	4.63	4.65	2804810	8765.310247			2
4.74	4.76	4.78	2052110	21310.26776			3
4.83	4.85	4.87	1600355	9049.861145			4
5.03	5.05	5.06	1219527	11321.956271			5
5.14	5.16	5.18	3541102	20309.97442			6
+ 5.14	5.18	5.18	182916.8	1049.118475			6
Height Summation:			11917381.4				
Amount Avg CF:			12500.176194	Linear:			
Aroclor-1260					6	22.03	
4.74	4.76	4.78	2052110	9309.10168			1
4.94	4.96	4.98	2535044	11765.316044			2
5.14	5.16	5.18	3541102	13574.483541			3
5.37	5.39	5.41	1203231	8323.82103			4
5.61	5.63	5.65	3849107	8865.363131			5
5.81	5.83	5.85	2456173	8071.494756			6
Height Summation:			15636767				
Amount Avg CF:			9984.93003	Linear:			
Aroclor-1262					6	36.39	
5.21	5.23	5.25	1186500	4461.154947			1
5.37	5.39	5.41	1203231	6376.720237			2
5.61	5.63	5.65	3849107	7757.341816			3
5.81	5.83	5.85	2456173	6234.638313			4
5.87	5.89	5.91	475348.2	2335.905087			5
6.24	6.26	6.28	893706.8	4413.978881			6
Height Summation:			10064066				
Amount Avg CF:			5263.28988	Linear:			
Aroclor-1268					6	95.88	
5.81	5.83	5.85	2456173	3360.340967			1
5.87	5.89	5.91	475348.2	681.041446			2
6.00	6.02	6.04	26926.67	42.807848			3
+ 6.07	6.07	6.11	83609	541.910059			4
6.07	6.10	6.11	500175.9	3241.88008			4
6.24	6.26	6.28	893706.8	4096.808772			5
6.44	6.46	6.48	156674.3	96.891976			6
Height Summation:			4509004.87				
Amount Avg CF:			1919.961848	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0043.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	50.02	
4.13	4.15	4.17	1053151	5332.17932			1
4.19	4.21	4.23	3068307	8942.233044			2
4.29	4.30	4.32	2994443	17809.784409			3
4.35	4.37	4.39	1779867	8818.023857			4
4.57	4.59	4.61	1092560	7207.010953			5
4.65	4.67	4.69	4626174	18105.799936			6
Height Summation:			14614502				
Amount Avg CF:			11035.838586	Linear:			
Aroclor-1260					6	26.83	
4.42	4.44	4.46	3751113	11794.341803			1
4.52	4.54	4.56	2322955	9540.282241			2
4.65	4.67	4.69	4626174	15045.248897			3
4.87	4.89	4.91	1463762	6927.48792			4
5.06	5.08	5.10	4566569	9166.253769			5
5.32	5.34	5.36	3159004	9576.474241			6
Height Summation:			19889577				
Amount Avg CF:			10341.681479	Linear:			
Aroclor-1262					6	33.24	
4.68	4.70	4.72	1177670	3440.571389			1
4.87	4.89	4.91	1463762	4227.009666			2
5.06	5.08	5.10	4566569	6549.33117			3
5.28	5.30	5.32	828629.4	2866.137696			4
5.33	5.34	5.37	3159004	6621.846576			5
5.71	5.73	5.75	1234281	4602.354557			6
Height Summation:			12429915.4				
Amount Avg CF:			4717.875176	Linear:			
Aroclor-1268					6	122.71	
5.28	5.30	5.32	828629.4	1007.479721			1
5.33	5.34	5.37	3159004	3908.56959			2
5.48	5.50	5.52	128121.2	171.446789			3
5.55	5.57	5.59	18012.46	98.262892			4
5.71	5.73	5.75	1234281	4080.217611			5
5.91	5.93	5.95	254149.9	103.427373			6
Height Summation:			5622197.96				
Amount Avg CF:			1561.56733	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229404 ACF DF50 96A15 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0043.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:47:19
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0043.RAW
Calibration file : 07PCBS1728201B.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			2482.96	481.9864		** 101.48	4	40	
Aroclor-1221			2482.96	744.888		** 43.34	3	40	
Aroclor-1232			2482.96	598.8315		** 104.86	4	40	
Aroclor-1242			2482.96	598.8315		** 104.71	4	40	
Aroclor-1248			2482.96	481.9864		** 101.22	4	40	
Aroclor-1254			2482.96	642.6485		12.44	4	40	
Aroclor-1260			2482.96	569.6202		3.51	4	40	
Aroclor-1262			2482.96	481.9864		10.93	4	40	
Aroclor-1268			2482.96	481.9864		20.59	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:47:19 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: 07pcbs17282002.0043.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.542		33583	81083
1.583		76669	99551
1.638		34472	57972
1.663		31508	36110
1.687		45523	49854
1.739		31580	43927
1.759		29760	47919
1.816		12449	8244
1.837		22296	17627
1.862		16652	18087
1.887		18151	29180
1.927		22662	18744
1.946		26409	24204
1.971		15944	8711
2.012		35425	57069
2.033		27374	27044
2.058		34352	43966
2.08		22210	25204
2.119		32203	46664
2.139		19633	17278
2.158		25063	40578
2.21		55811	34964
2.233		13288	7208
2.284		31817	51434
2.322		51069	46544
2.336		32117	18685
2.355		34844	24068
2.397		55258	81042
2.438		40179	53028
2.458		47290	78409
2.491		46495	59107
2.527		44855	57989
2.548		41039	30261
2.577		48319	82118
2.618		9990	10374
2.634		23215	24396
2.66		39489	20890
2.677		5472	3884
2.701		4637	2558
2.714		17544	17883
2.745		30235	25719
2.766		6273	4106
2.796		13033	5822
2.814		25887	20244
2.842		9972	6458
2.899		28043	37356
2.915		8489	3527
2.938	TCX	158274	113031
2.986		14680	11710
3.015		22888	23027
3.054		9028	9746
3.073		4358	2090
3.102		15983	15108

RT A	Compound A	Height A	Area A
3.124		17191	13655
3.147		17545	9289
3.167		8143	4093
3.187		11473	9639
3.218		6520	3041
3.241		11453	7852
3.257		68936	38971
3.283		28336	21021
3.304		2719	1060
3.317		7037	2853
3.336		5935	3156
3.357		13601	12248
3.383		11539	7361
3.404		32319	19162
3.42		52445	31704
3.455		2572	1566
3.495		5260	2930
3.519		231381	155830
3.549		7172	4497
3.585		14451	11767
3.626		7515	7237
3.641		8172	5960
3.696		110577	57322
3.703		99205	40610
3.74		273142	203865
3.79		47581	37932
3.831		147334	108370
3.859		659057	461802
3.885		1091337	728711
3.907		1198600	824121
3.95		2338	733
3.981		372802	255259
4.006		395273	291982
4.037		583265	432384
4.07		302099	274106
4.115		87761	78941
4.143		72166	53604
4.172		10119	7542
4.195		130390	105672
4.23		1018610	705984
4.248		352462	182973
4.273		1348879	1124869
4.314		5414	3834
4.341		631290	517335
4.384		1869617	1984024
4.418		1007945	830766
4.458		201567	152597
4.481		166046	119381
4.522		567608	491657
4.573		699477	570921
4.589		53200	20486
4.603		130106	64818
4.634		2804811	2411725
4.682		679108	526121
4.697		57705	26339
4.718		281749	179170
4.738		15468	7006
4.759		2052110	1820671
4.804		268968	240866
4.845		1600355	1510770
4.877		32848	19734
4.905		480913	432374
4.956		2535044	3243931
5.008		309999	276911
5.046		1219527	1335086
5.09		137570	96475

RT A	Compound A	Height A	Area A
5.127		292932	357165
5.161		3541102	3165933
5.184		182917	91374
5.203		81677	41326
5.228		1186500	1058073
5.271		819144	802140
5.367		619712	482564
5.39		1203231	915435
5.447		685079	629466
5.485		495529	496616
5.527		74686	88937
5.568		726977	729758
5.602		70755	53372
5.627		3849107	3595793
5.728		11413	16378
5.788		4999	3032
5.831		2456173	2372087
5.862		248528	171386
5.887		475348	493294
5.998		77859	63923
6.022		26927	19580
6.05		6032	3242
6.073		83609	63060
6.101		500176	460855
6.167		31383	34701
6.229		19157	13141
6.256		893707	835107
6.3		57372	50050
6.34		5119	5133
6.426		1433	1032
6.456		156674	146670
6.568		6252	6100
6.603	DCB	118055	110057
6.639		9959	8614
6.714		1736	1077
6.73		1756	1736
6.808		2210	1267
6.849		10195	19328
6.956		1448	468
6.974		1726	584
7.271		1804	868
7.354		1492	684
7.419		1967	4190
7.558		2456	3098
7.588		1034	376
7.633		976	717
7.737		1815	2042
7.802		1581	1223
7.917		1398	295
7.94		1190	373
8.136		1318	818
8.247		1764	577
8.269		1779	777
8.398		1666	990
8.548		1548	503
8.622		1105	1241
8.661		1548	608

LANCASTER LABORATORIES

Sample Number: 9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:47:19 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: 07pcbs17282002B.0043.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.504		2844	2293
1.53		6190	3334
1.558		15356	17798
1.583		12810	14221
1.621		19685	34455
1.649		14303	12303
1.689		19108	25448
1.71		19586	26455
1.743		15784	15176
1.769		26304	30979
1.815		24512	66302
1.856		20908	24619
1.878		21996	18865
1.903		24415	24185
1.932		83294	81588
1.959		21628	18250
1.98		16010	16668
2.026		18891	17466
2.048		17348	17490
2.079		16709	19170
2.144		13959	15005
2.168		7305	4544
2.206		10273	5769
2.226		7200	8435
2.267		8630	7729
2.287		4722	2250
2.298		7969	4369
2.341		86134	67894
2.421		7899	7603
2.441		6205	3384
2.467		11107	7207
2.516		17325	20894
2.544		5193	4441
2.568		2750	1417
2.592	TCX	239371	156914
2.626		5266	2313
2.653		6202	2977
2.684		11641	13625
2.738		3829	9755
2.789		6502	4188
2.812		9164	11519
2.848		4091	1886
2.89		116590	96491
2.923		4172	3016
2.949		10368	6132
2.988		22372	20473
3.051		4253	3331
3.085		32763	15489
3.096		60279	28167
3.135		12273	8502
3.164		3436	2088
3.181		4626	1925
3.205		368156	238222
3.244		5930	5676

3.291	25528	14140
3.306	24154	11417
3.332	5445	2863
3.364	570718	413831
3.384	506124	301417
3.414	386954	243629
3.47	80015	73488
3.507	843993	530981
3.529	1315098	699469
3.548	1623050	902438
3.632	437934	256206
3.655	459187	265132
3.676	704343	472361
3.721	339786	258024
3.76	115016	90595
3.803	76483	75642
3.833	122435	68997
3.854	1920030	1257740
3.879	1046424	599081
3.898	596315	320040
3.918	626398	384951
3.953	2223481	1541252
3.984	1065824	635661
4	299651	154986
4.024	246586	151184
4.062	244893	197820
4.096	592054	408663
4.124	165763	125495
4.153	1053151	778474
4.192	272635	305485
4.212	3068307	2657626
4.251	467888	443005
4.304	2994443	2431877
4.341	338367	281210
4.373	1779867	1229680
4.398	765940	550096
4.44	3751113	3011586
4.494	356281	258611
4.541	2322955	2412075
4.59	1092560	922309
4.632	861688	752136
4.668	4626175	3915354
4.701	1177670	843433
4.74	944697	744269
4.797	10118	5070
4.81	13446	7801
4.838	211237	137412
4.855	148205	89111
4.889	1463762	1132902
4.912	695545	486685
4.963	1020833	937138
4.998	552894	435259
5.028	397966	324546
5.06	538322	339217
5.083	4566569	3792126
5.125	99541	72835
5.155	150064	120249
5.222	4466	2815
5.275	43174	26185
5.299	828629	721196
5.343	3159004	3553072
5.498	128121	107498
5.545	135451	116834
5.568	18012	9091
5.591	163876	117421
5.617	525656	438577
5.656	9384	10887

5.699		35068	23702
5.726		1234281	1046734
5.758		74468	55675
5.804		7146	5961
5.926		254150	226946
6.063		4478	2524
6.085	DCB	199534	169066
6.122		27714	25794
6.171		2221	1391
6.217		3176	3063
6.261		5114	3948
6.285		17553	14166
6.451		4185	4454
6.526		3737	8701
6.563		3046	3616
6.62		2576	2769
6.761		1912	3171
6.82		1927	2057
6.928		1823	4520
6.987		3257	2780
7.58		1820	2939
8.066		2608	3252
8.166		10070	19221
8.374		6308	11651

9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082

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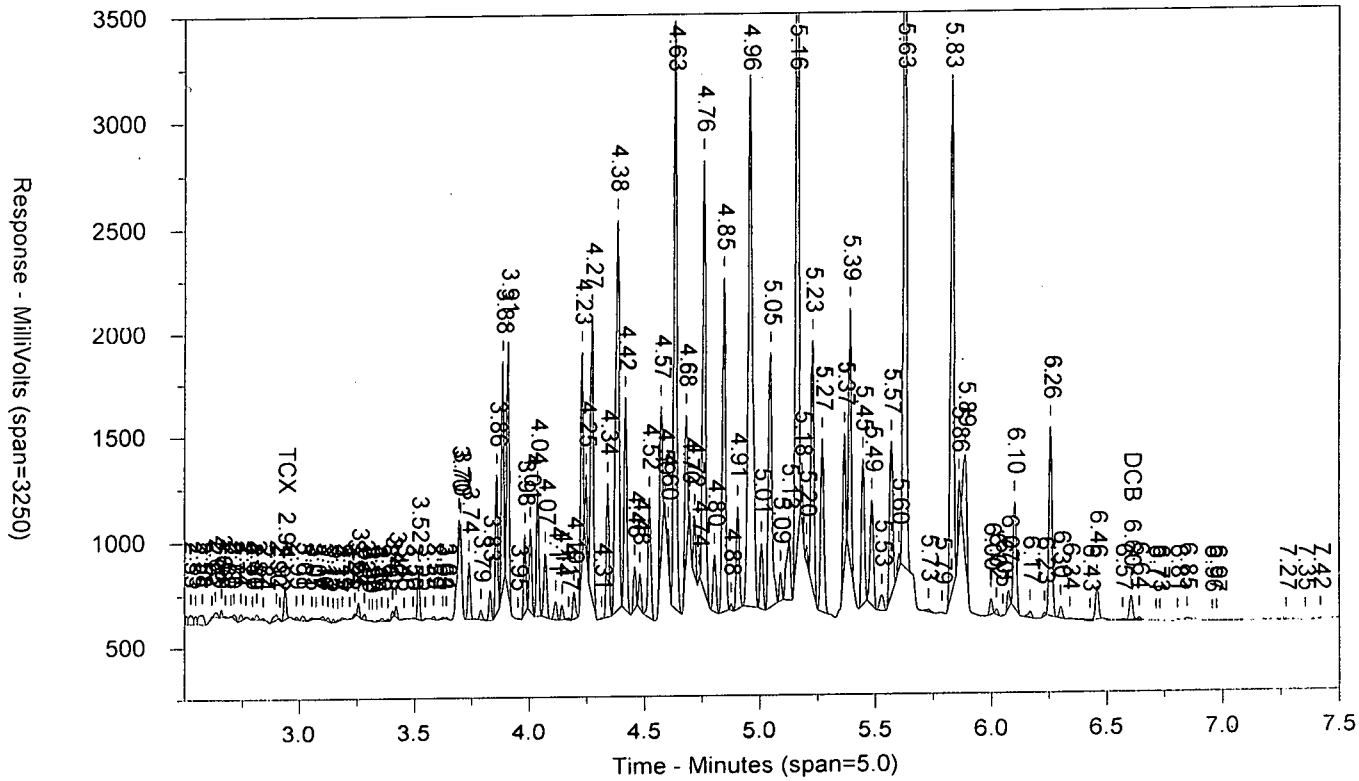

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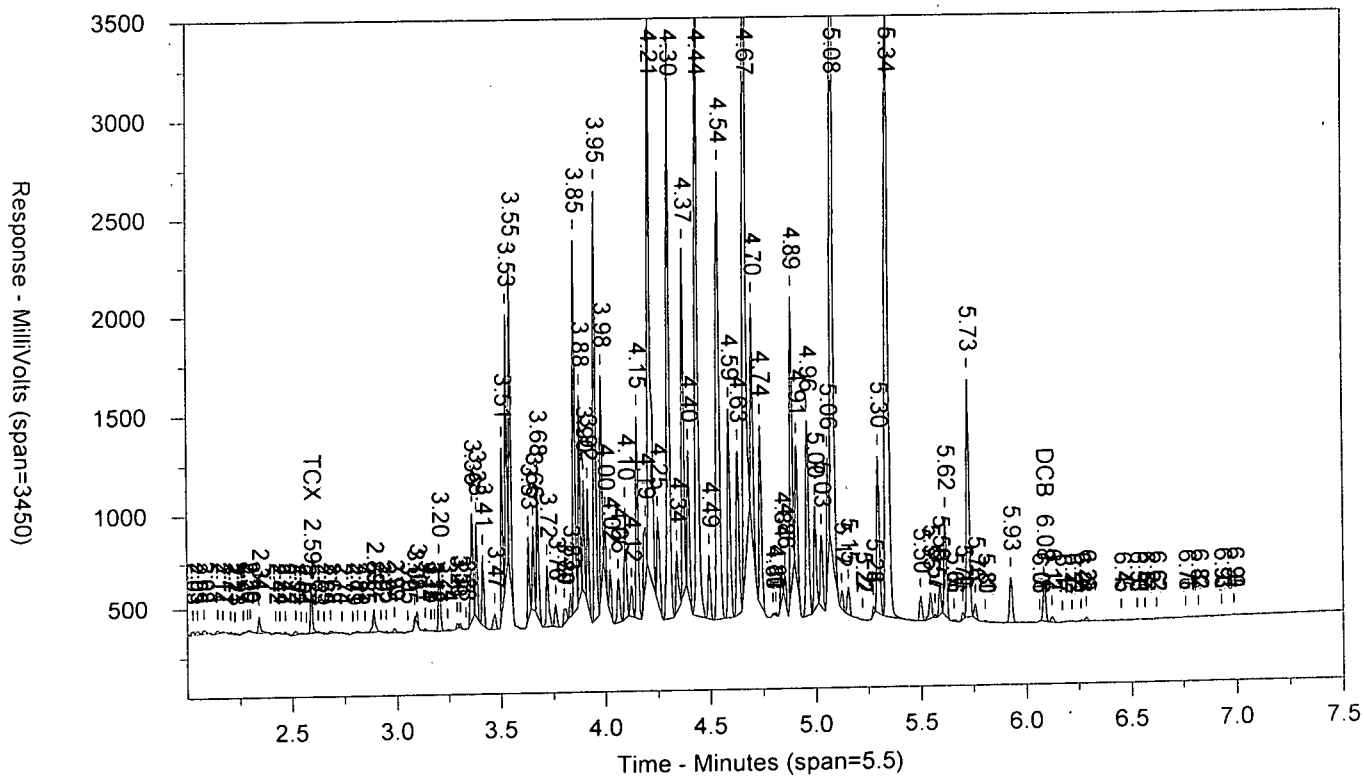

LANCASTER LABORATORIES

Sample Number: 9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:47:19 AM
Sample Weight: 10.27
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
2.938	158274	27.351	TCX	2.592	239371	36.497	TCX
6.603	118055	29.983	DCB	6.085	199534	30.939	DCB

Files:
Area File: 07pcbs17282002.0043.RAW
Area File: 07pcbs17282002B.0043.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 1:56:02 AM
File Reported On: 10/11/2017 at 1:56:20 AM

9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082

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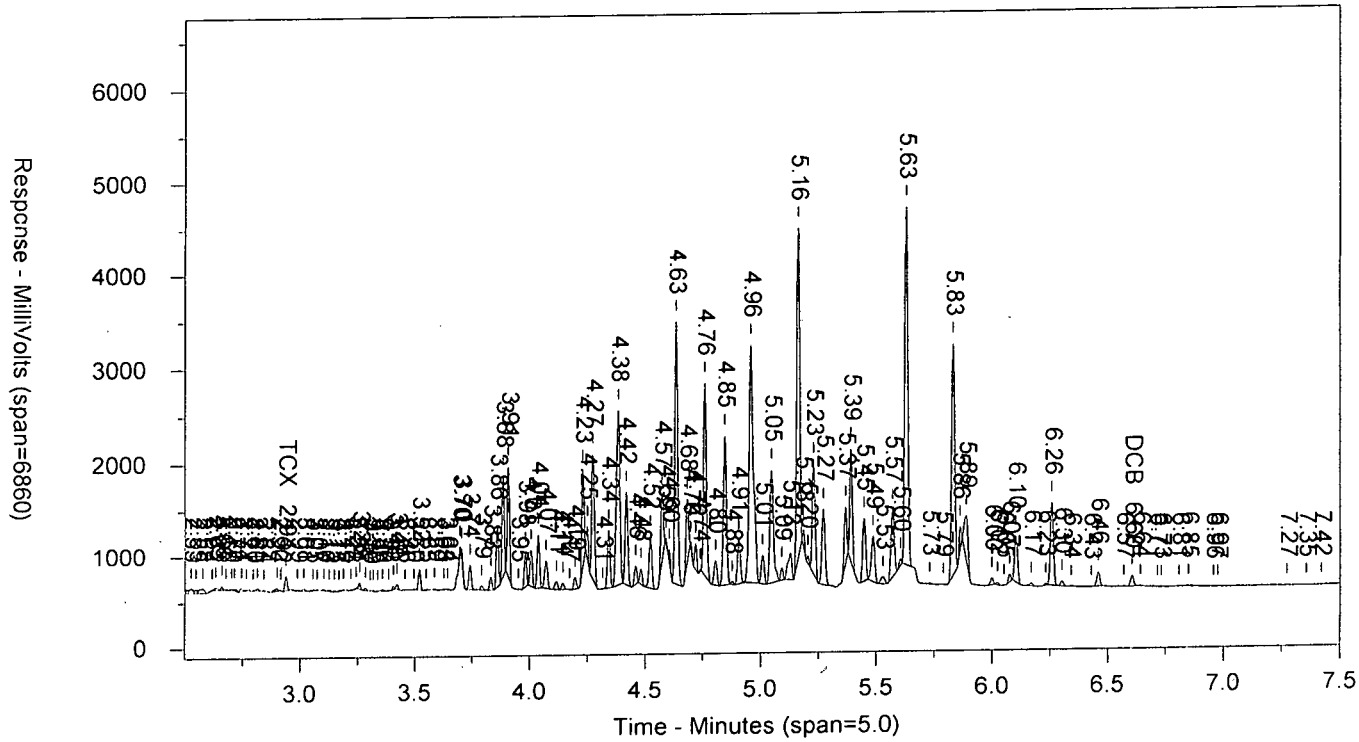

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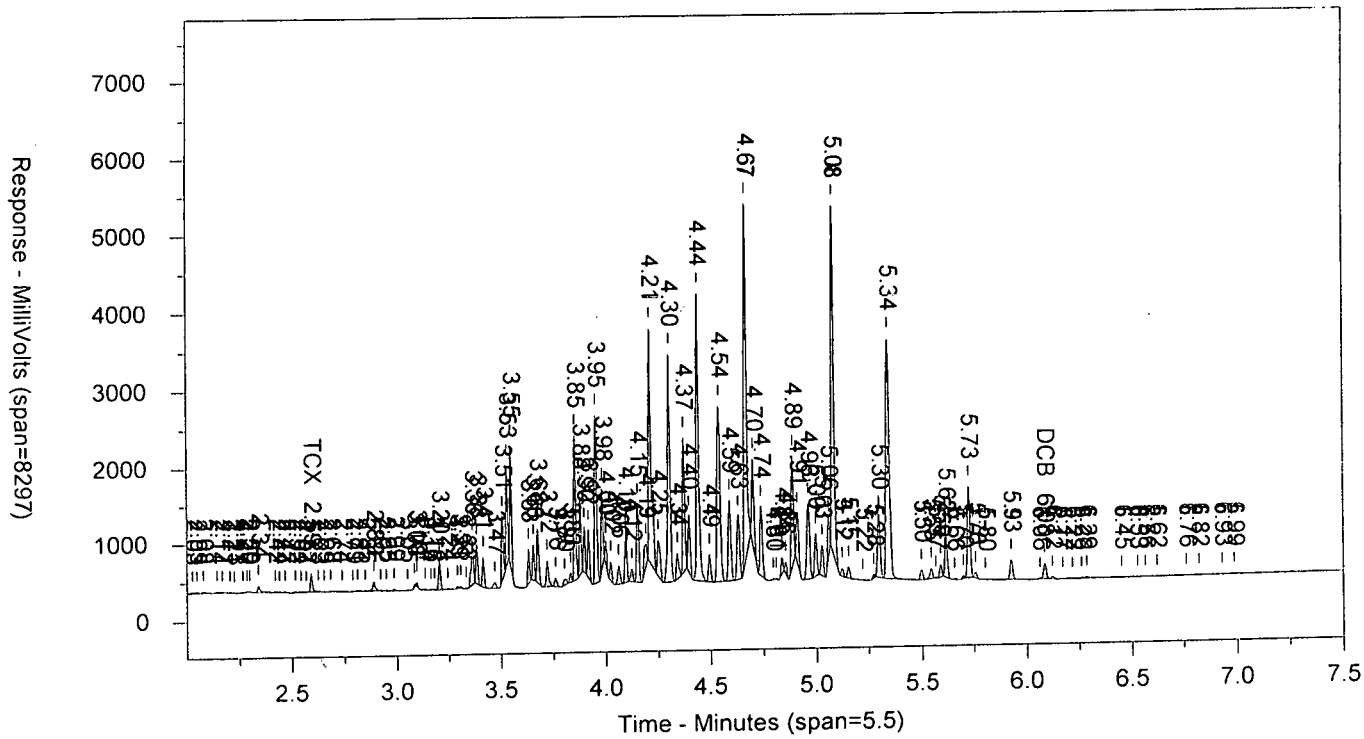

9229404 ACF DF50 AC96A15 T 172790009A 10225 SW-846 8082

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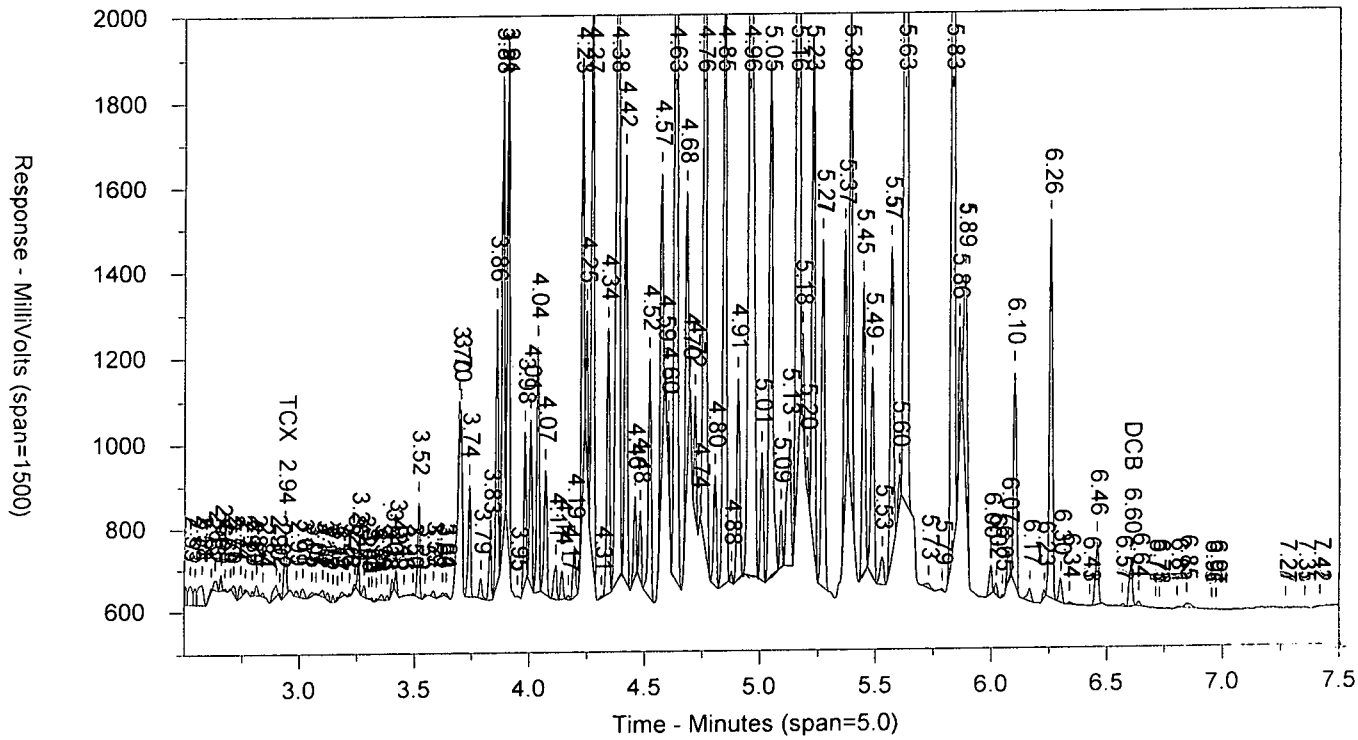

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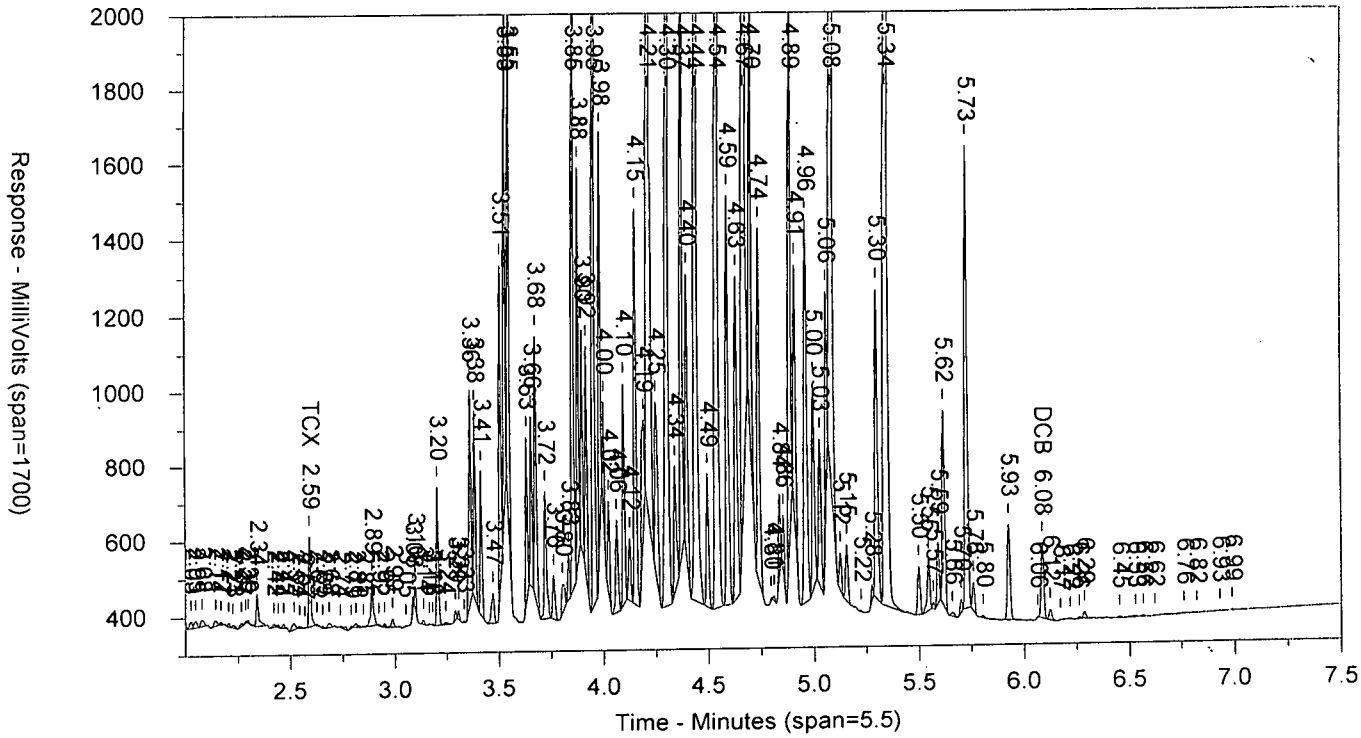

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Data Summary

Sample Name: 9229405 ACF DF20 96A16 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.46 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:58:48
Instrument	19843A
Result file	07PCBS17282002.0044.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 72% (61 - 152) Conc: 21.00375
%SSR(DCB) 93% (48 - 164) Conc: 24.18866

Analysis Report (B)

Injected on	Oct 11, 2017 01:58:48
Instrument	19843B
Result file	07PCBS17282002B.0044.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 94% (61 - 152) Conc: 27.42533
%SSR(DCB) 96% (48 - 164) Conc: 24.78433

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	309479	21.00375
Decachlorobiphenyl	6.58	6.60	6.64	242504	24.18866

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	458003	27.42533
Decachlorobiphenyl	6.06	6.08	6.12	406998	24.78433

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	27.42533				26.52	
☑	Tetrachloro-m-xylene-D1	A	21.00375					
☑	Tetrachloro-m-xylene-D2	B	27.42533					
☐	Decachlorobiphenyl	B	24.78433				2.43	
☑	Decachlorobiphenyl-D1	A	24.18866					
☑	Decachlorobiphenyl-D2	B	24.78433					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**10.09**	
4.62	4.63	4.65	3257874	3998.497967			2
4.83	4.85	4.87	1952991	4337.351082			4
5.03	5.05	5.06	1338372	4879.840711			5
Height summation:			**6549237**				
Concentration		CF:	**4405.22992**	L:			
Aroclor-1260						**7.85**	
5.37	5.39	5.41	1095288	2975.779868			4
5.61	5.63	5.65	3851148	3483.577722			5
5.81	5.83	5.85	2517514	3249.119321			6
Height summation:			**7463950**				
Concentration		CF:	**3236.15897**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.77**	
4.13	4.15	4.17	1421934	2827.432795			1
4.19	4.21	4.23	4074202	4663.24766			2
4.35	4.37	4.39	2544174	4950.274466			4
Height summation:			**8040310**				
Concentration		CF:	**4146.984974**	L:			
Aroclor-1260						**14.29**	
4.87	4.89	4.91	1430681	2659.174691			4
5.06	5.08	5.10	4065503	3204.902993			5
5.32	5.34	5.36	2980516	3548.507087			6
Height summation:			**8476700**				
Concentration		CF:	**3137.528257**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:08

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Data Summary

Sample Name: 9229405 ACF DF20 96A16 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.46 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:58:48
Instrument	19843A
Result file	07PCBS17282002.0044.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 11, 2017 01:58:48
Instrument	19843B
Result file	07PCBS17282002B.0044.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<975.1434	<189.2925	D1		4	
☑ PCB-1221			<975.1434	<292.543	D1		3	
☑ PCB-1232			<975.1434	<235.1816	D1		4	
☑ PCB-1242			<975.1434	<235.1816	D1		4	
☑ PCB-1248			<975.1434	<189.2925	D1		4	
☑ PCB-1254	A	4405.22992	975.1434	252.3901	D1	6.04	4	
☑ PCB-1260	A	3236.15897	975.1434	223.7094	D1	3.09	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:08

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229405 ACF DF20 96A16 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.46 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0044.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 72% (61-152) Conc.: 21.00375 Hous | 6 m
%SSR(DCB) : 93% (48-164) Conc.: 24.18866

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	93.55	
3.17	3.19	3.21	26097.79	101.17203			1
+ 3.38	3.40	3.42	61761.73	232.849639			2
3.38	3.42	3.42	89552.59	337.624743			2
3.50	3.52	3.54	318419.4	1000.131411			3
3.71	3.74	3.75	350538.9	916.06999			4
3.77	3.79	3.81	97648.61	296.401612			5
3.96	3.98	4.00	532722.1	2130.668343			6
Height Summation:			1414979.39				
Amount Avg CF:			797.011355	Linear:			
Aroclor-1221					3	38.58	
+ 3.07	3.07	3.11	6816.377	53.70326			1
3.07	3.10	3.11	20153.63	158.781656			1
+ 3.12	3.12	3.16	16290.41	142.804182			2
3.12	3.15	3.16	18731.12	164.199813			2
3.17	3.19	3.21	26097.79	73.331461			3
Height Summation:			64982.54				
Amount Avg CF:			132.10431	Linear:			
Aroclor-1232					6	101.11	
3.17	3.19	3.21	26097.79	88.635615			1
+ 3.38	3.40	3.42	61761.73	506.196972			2
3.38	3.42	3.42	89552.59	733.969886			2
+ 3.50	3.50	3.54	11366.91	77.180123			3
3.50	3.52	3.54	318419.4	2162.034234			3
3.71	3.74	3.75	350538.9	1978.463605			4
3.77	3.79	3.81	97648.61	663.443073			5
E 3.96	3.98	4.00	532722.1	5079.512399			6
Height Summation:			1414979.39				
Amount Avg CF:			1784.343135	Linear:			
Aroclor-1242					6	93.46	
3.17	3.19	3.21	26097.79	76.440097			1
+ 3.38	3.40	3.42	61761.73	180.011954			2
3.38	3.42	3.42	89552.59	261.011741			2
3.50	3.52	3.54	318419.4	759.450531			3
3.71	3.74	3.75	350538.9	701.310668			4
3.77	3.79	3.81	97648.61	218.135771			5
3.96	3.98	4.00	532722.1	1614.392914			6
Height Summation:			1414979.39				
Amount Avg CF:			605.123621	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0044.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 94% (61-152) Conc.: 27.42533
%SSR(DCB) : 96% (48-164) Conc.: 24.78433

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	119.68	
2.86	2.89	2.90	138413.5	470.623482			1
3.19	3.20	3.23	494718.3	1385.771214			2
3.38	3.38	3.42	615559.4	1718.574034			3
+ 3.38	3.41	3.42	452968.4	1264.637873			3
3.45	3.47	3.49	127195.2	328.307461			4
+ 3.51	3.53	3.55	1880693	6673.992577			5
3.51	3.55	3.55	2172774	7710.4969			5
3.61	3.63	3.65	699844.9	2153.081378			6
Height Summation:			4248505.3				
Amount Avg CF:			2294.475745	Linear:			
Aroclor-1221					3	94.86	
2.74	2.76	2.78	5804.425	29.472093			1
2.81	2.81	2.85	13309.1	107.555319			2
2.86	2.89	2.90	138413.5	295.602435			3
Height Summation:			157527.025				
Amount Avg CF:			144.209949	Linear:			
Aroclor-1232					6	135.47	
2.86	2.89	2.90	138413.5	369.457273			1
3.19	3.20	3.23	494718.3	2715.11564			2
3.38	3.38	3.42	615559.4	3423.93796			3
+ 3.38	3.41	3.42	452968.4	2519.554895			3
3.45	3.47	3.49	127195.2	733.055562			4
E+ 3.51	3.53	3.55	1880693	17300.4309			5
E 3.51	3.55	3.55	2172774	19987.274079			5
E 3.61	3.63	3.65	699844.9	5377.160322			6
Height Summation:			4248505.3				
Amount Avg CF:			5434.333473	Linear:			
Aroclor-1242					6	120.42	
2.86	2.89	2.90	138413.5	375.922966			1
3.19	3.20	3.23	494718.3	1087.711032			2
3.38	3.38	3.42	615559.4	1355.548259			3
+ 3.38	3.41	3.42	452968.4	997.50004			3
3.45	3.47	3.49	127195.2	256.512194			4
E+ 3.51	3.53	3.55	1880693	5323.94182			5
E 3.51	3.55	3.55	2172774	6150.77653			5
3.61	3.63	3.65	699844.9	1701.502478			6
Height Summation:			4248505.3				
Amount Avg CF:			1821.32891	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229405** ACF DF20 96A16 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.46 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0044.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	56.86	
3.71	3.74	3.75	350538.9	2008.035386			1
3.77	3.79	3.81	97648.61	511.74894			2
3.84	3.86	3.88	919936.2	2832.438904			3
3.96	3.98	4.00	532722.1	1449.616122			4
4.05	4.07	4.09	416185.3	1311.798333			5
4.23	4.23	4.27	1242460	3568.314237			6
+ 4.23	4.25	4.27	539929.8	1550.664965			6
Height Summation:			**3559491.11**				
Amount Avg CF:			**1946.991987**	Linear:			
Aroclor-1254					6	48.92	
4.55	4.57	4.59	768160.6	1830.292367			1
+ 4.58	4.59	4.59	96650.33	230.288251			1
4.62	4.63	4.65	3257874	3998.497967			2
4.74	4.76	4.78	2080388	8484.599759			3
4.83	4.85	4.87	1952991	4337.351082			4
5.03	5.05	5.06	1338372	4879.840711			5
5.14	5.16	5.18	3649100	8219.690311			6
+ 5.14	5.18	5.18	200634.3	451.93385			6
Height Summation:			**13046885.6**				
Amount Avg CF:			**5291.712032**	Linear:			
Aroclor-1260					6	24.92	
4.74	4.76	4.78	2080388	3706.382424			1
4.94	4.96	4.98	2644374	4819.918835			2
5.14	5.16	5.18	3649100	5493.756345			3
5.37	5.39	5.41	1095288	2975.779868			4
5.61	5.63	5.65	3851148	3483.577722			5
5.81	5.83	5.85	2517514	3249.119321			6
Height Summation:			**15837812**				
Amount Avg CF:			**3954.755753**	Linear:			
Aroclor-1262					6	37.06	
5.21	5.23	5.25	1154421	1704.678697			1
5.37	5.39	5.41	1095288	2279.688095			2
5.61	5.63	5.65	3851148	3048.189085			3
5.81	5.83	5.85	2517514	2509.706618			4
5.87	5.89	5.91	474999.8	916.717487			5
6.24	6.26	6.28	859515.9	1667.200585			6
Height Summation:			**9952886.7**				
Amount Avg CF:			**2021.030094**	Linear:			
Aroclor-1268					6	95.28	
5.81	5.83	5.85	2517514	1352.679905			1
5.87	5.89	5.91	474999.8	267.272248			2
6.00	6.02	6.04	24547.71	15.326764			3
+ 6.07	6.07	6.11	91187.38	232.117386			4
6.07	6.10	6.11	515394.6	1311.936449			4
6.24	6.26	6.28	859515.9	1547.402506			5
6.44	6.46	6.48	162633	39.500034			6
Height Summation:			**4554605.01**				
Amount Avg CF:			**755.686318**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0044.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	94.79	
3.49	3.51	3.53	1137285	2887.912493			1
3.61	3.63	3.65	699844.9	1496.183604			2
3.70	3.72	3.74	529458.4	1588.694349			3
3.84	3.85	3.88	2916702	4656.925193			4
3.97	3.98	4.01	1478491	4588.056788			5
+ 3.97	4.00	4.01	425089.6	1319.139058			5
4.19	4.21	4.23	4074202	13719.235848			6
Height Summation:			**10835983.3**				
Amount Avg CF:			**4822.834712**	Linear:			
Aroclor-1254					6	41.70	
4.13	4.15	4.17	1421934	2827.432795			1
4.19	4.21	4.23	4074202	4663.24766			2
4.29	4.30	4.32	3536564	8260.814763			3
4.35	4.37	4.39	2544174	4950.274466			4
4.57	4.59	4.61	1408459	3648.823408			5
4.65	4.67	4.69	5186130	7971.460586			6
Height Summation:			**18171463**				
Amount Avg CF:			**5387.008946**	Linear:			
Aroclor-1260					6	34.38	
4.42	4.44	4.46	4196662	5182.225479			1
4.52	4.54	4.56	2613814	4215.934515			2
4.65	4.67	4.69	5186130	6623.988391			3
4.87	4.89	4.91	1430681	2659.174691			4
5.06	5.08	5.10	4065503	3204.902993			5
5.32	5.34	5.36	2980516	3548.507087			6
Height Summation:			**20473306**				
Amount Avg CF:			**4239.122193**	Linear:			
Aroclor-1262					6	32.23	
4.68	4.70	4.72	1158965	1329.768475			1
4.87	4.89	4.91	1430681	1622.573327			2
5.06	5.08	5.10	4065503	2289.918172			3
5.28	5.30	5.32	722673	981.696613			4
5.33	5.34	5.37	2980516	2453.686912			5
5.71	5.73	5.75	1196532	1752.221873			6
Height Summation:			**11554870**				
Amount Avg CF:			**1738.310895**	Linear:			
Aroclor-1268					6	123.82	
5.28	5.30	5.32	722673	345.07743			1
5.33	5.34	5.37	2980516	1448.297833			2
5.48	5.50	5.52	138299.4	72.68209			3
5.55	5.57	5.59	15864.56	33.989384			4
5.71	5.73	5.75	1196532	1553.43237			5
5.91	5.93	5.95	262536	41.959776			6
Height Summation:			**5316420.96**				
Amount Avg CF:			**582.573147**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229405** ACF DF20 96A16 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.46 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0044.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:58:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0044.RAW
Calibration file : 07PCBS1728201B.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			975.1434	189.2925		** 96.88	4	40	
Aroclor-1221			975.1434	292.543		8.76	3	40	
Aroclor-1232			975.1434	235.1816	E	** 101.13	4	40	
Aroclor-1242			975.1434	235.1816		** 100.25	4	40	
Aroclor-1248			975.1434	189.2925		** 84.96	4	40	
Aroclor-1254			975.1434	252.3901		1.78	4	40	
Aroclor-1260			975.1434	223.7094		6.94	4	40	
Aroclor-1262			975.1434	189.2925		15.04	4	40	
Aroclor-1268			975.1434	189.2925		25.87	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:58:48 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: 07pcbs17282002.0044.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.527		42530	56567
1.539		46772	61846
1.582		92917	103196
1.639		41017	89131
1.664		32956	34061
1.687		73856	68240
1.74		30905	39987
1.774		6024	3874
1.815		11779	6295
1.837		29432	22498
1.862		16241	12246
1.889		17466	22017
1.927		24014	17166
1.947		33540	27755
1.971		14374	7387
2.011		37389	53636
2.032		21037	15958
2.058		32319	38009
2.081		11286	11269
2.101		4529	1877
2.118		24703	19192
2.14		7581	3607
2.158		8204	5120
2.209		44226	26719
2.233		16590	9398
2.287		43487	61577
2.322		65499	59159
2.353		23073	18318
2.397		70915	109004
2.456		60164	145460
2.49		58911	68312
2.524		46779	57743
2.548		45400	37075
2.577		50978	84454
2.617		12802	11806
2.638		35851	34923
2.659		28150	13286
2.676		9135	5809
2.7		6084	3308
2.717		26855	21190
2.743		40289	31382
2.765		20585	23475
2.796		12794	5251
2.813		29290	22532
2.842		14876	17396
2.898		100346	88436
2.938	TCX	309479	216940
2.986		17721	14919
3.015		30878	32122
3.056		13384	15998
3.074		6816	3174
3.103		20154	19342
3.123		16290	12983

RT A	Compound A	Height A	Area A
3.147		18731	9482
3.166		9957	4559
3.188		26098	24641
3.22		13654	7406
3.237		25335	18215
3.255		118897	70355
3.283		58853	41973
3.305		8864	4077
3.335		6309	3040
3.359		15620	15373
3.381		12602	8572
3.404		61762	33746
3.42		89553	52066
3.455		9936	7921
3.482		5040	4073
3.496		11367	7217
3.519		318419	209815
3.549		12980	6875
3.563		5532	2049
3.583		36356	28786
3.626		24485	13819
3.695		684839	975353
3.74		350539	274755
3.791		97649	88672
3.831		203578	146737
3.859		919936	645309
3.885		1546842	1013077
3.907		1628454	1104258
3.957		8056	5632
3.982		532722	369656
4.006		564850	404585
4.037		743556	553517
4.071		416185	373439
4.115		118724	105830
4.143		84374	61651
4.172		7716	4477
4.195		182648	148492
4.23		1242460	860723
4.248		539930	280075
4.273		1767304	1471507
4.315		5564	4380
4.342		739168	605418
4.383		2192040	2402286
4.418		1259541	1034754
4.459		249640	188653
4.481		213374	149670
4.522		684839	597566
4.572		768161	579617
4.589		96650	42626
4.603		133540	79371
4.633		3257874	2748697
4.682		901347	986115
4.718		301019	195946
4.738		18482	8783
4.758		2080388	1875815
4.804		339701	301940
4.845		1952991	1855134
4.877		33462	20458
4.904		505735	488137
4.956		2844374	3257810
5.007		307330	272130
5.046		1338372	1430102
5.091		144989	105487
5.127		310165	376696
5.161		3649100	3293290
5.184		200634	99348

RT A	Compound A	Height A	Area A
5.203		91139	47326
5.228		1154421	1009745
5.27		815957	792664
5.367		632760	499523
5.39		1095289	877325
5.447		675474	618176
5.485		502481	511942
5.526		74892	90517
5.568		798582	783521
5.601		86715	64279
5.626		3851148	3528041
5.662		39630	29248
5.711		2411	1341
5.733		6439	4234
5.788		5214	6926
5.832		2517514	2370648
5.862		214627	155720
5.887		475000	484894
5.998		89137	75981
6.022		24548	17263
6.052		5308	3309
6.073		91187	66317
6.101		515395	485471
6.166		33043	33112
6.229		24697	16863
6.256		859516	835698
6.301		56459	50285
6.337		2857	2135
6.456		162633	157155
6.572		7604	5625
6.603	DCB	242504	233788
6.638		12597	10973
6.799		1641	550
6.852		4158	5345
6.925		1844	1360
6.961		1956	620
6.981		1958	510
6.999		1220	1320
7.056		1048	794
7.069		1645	994
7.164		1893	1742
7.27		2209	1599
7.311		1198	470
7.35		1551	357
7.405		2980	2902
7.458		1782	673
7.514		1677	1111
7.531		1397	569
7.547		1044	616
7.609		1769	2027
7.624		1546	504
7.649		1059	365
7.679		1424	1461
7.727		1857	1305
7.928		1730	360
7.95		1757	1064
8.251		1077	495
8.268		1411	654
8.356		847	472
8.574		2017	2544

LANCASTER LABORATORIES

Sample Number: 9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:58:48 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: 07pcbs17282002B.0044.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.504		4234	2910
1.556		10449	12880
1.621		17868	27486
1.649		10441	9923
1.687		14795	21521
1.71		14513	17348
1.745		14629	12808
1.77		32217	36097
1.816		20334	60051
1.854		25226	31035
1.878		20542	16330
1.902		29103	28404
1.933		73902	70663
1.959		21881	19436
1.981		18318	19630
1.999		8387	5203
2.026		15234	13910
2.045		13200	10920
2.08		15278	17526
2.143		14902	15197
2.166		4936	2603
2.207		10185	5605
2.226		6689	7494
2.267		7486	6907
2.286		6959	3393
2.298		7974	5044
2.341		63869	54285
2.42		5916	4857
2.44		4815	2218
2.466		9418	6325
2.517		14212	16312
2.541		3752	2737
2.566		2489	1244
2.592	TCX	458003	311667
2.625		12385	7886
2.652		4291	2091
2.682		12995	13051
2.709		4148	2715
2.764		5804	2745
2.789		5333	3123
2.81		13309	14803
2.847		3531	1762
2.889		138414	115457
2.921		18978	12129
2.948		32943	19708
2.987		39932	34671
3.016		4080	3322
3.052		3562	3590
3.084		55951	26267
3.095		96493	46592
3.134		20589	15446
3.162		8590	5260
3.181		7628	3818
3.204		494718	334180

3.247	11661	11734
3.269	3145	1343
3.29	39000	21080
3.305	43290	24120
3.363	807020	612813
3.383	615559	362834
3.413	452968	287988
3.47	127195	102562
3.506	1137285	700870
3.529	1880693	976428
3.547	2172774	1224382
3.632	699845	416793
3.654	720668	413819
3.675	1049635	683764
3.72	529458	393033
3.76	167934	131575
3.81	111568	115477
3.832	218776	123670
3.853	2916702	1852472
3.878	1552220	944126
3.897	782260	424547
3.917	850841	515911
3.952	3034734	2101581
3.984	1478491	914390
4	425090	211801
4.023	337724	209088
4.061	322362	262831
4.095	800172	561339
4.116	49740	33305
4.151	1421934	1032820
4.191	357567	376274
4.212	4074202	3402625
4.25	553814	535867
4.303	3536564	2885666
4.34	470547	377722
4.372	2544175	1733825
4.397	899860	630435
4.439	4196662	3491408
4.493	45393	33299
4.54	2613814	2745275
4.59	1408459	1161810
4.631	988050	844686
4.667	5186131	4452784
4.7	1158965	829643
4.738	977808	791623
4.796	11259	6032
4.809	15471	8394
4.837	201932	130141
4.854	160307	99801
4.887	1430681	1098678
4.911	755350	527308
4.961	1012722	900122
4.997	506511	419279
5.027	382919	294440
5.06	540243	364856
5.083	4065503	3372595
5.123	92161	66096
5.153	124482	106420
5.274	37789	23628
5.298	722673	654027
5.342	2980516	3300503
5.497	138299	116711
5.545	136178	119990
5.567	15865	7509
5.59	186284	137190
5.616	516956	425187
5.659	11250	11415

5.698		46129	30262
5.725		1196532	1038841
5.757		75852	56534
5.803		6888	6369
5.925		262536	243249
6.084	DCB	406998	381361
6.121		33065	27083
6.215		5398	8550
6.261		6367	5005
6.283		24923	19974
6.45		2401	2133
6.525		7717	8169
6.569		6073	6856
6.626		1753	2075
6.66		1450	1121
6.767		2093	2914
6.918		1855	5531
6.988		6865	6637
7.099		1628	2636
7.515		5730	7618
7.714		1366	1174
7.949		2126	1061
8.164		9304	17198
8.299		1525	2056
8.376		1060	1564

9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082

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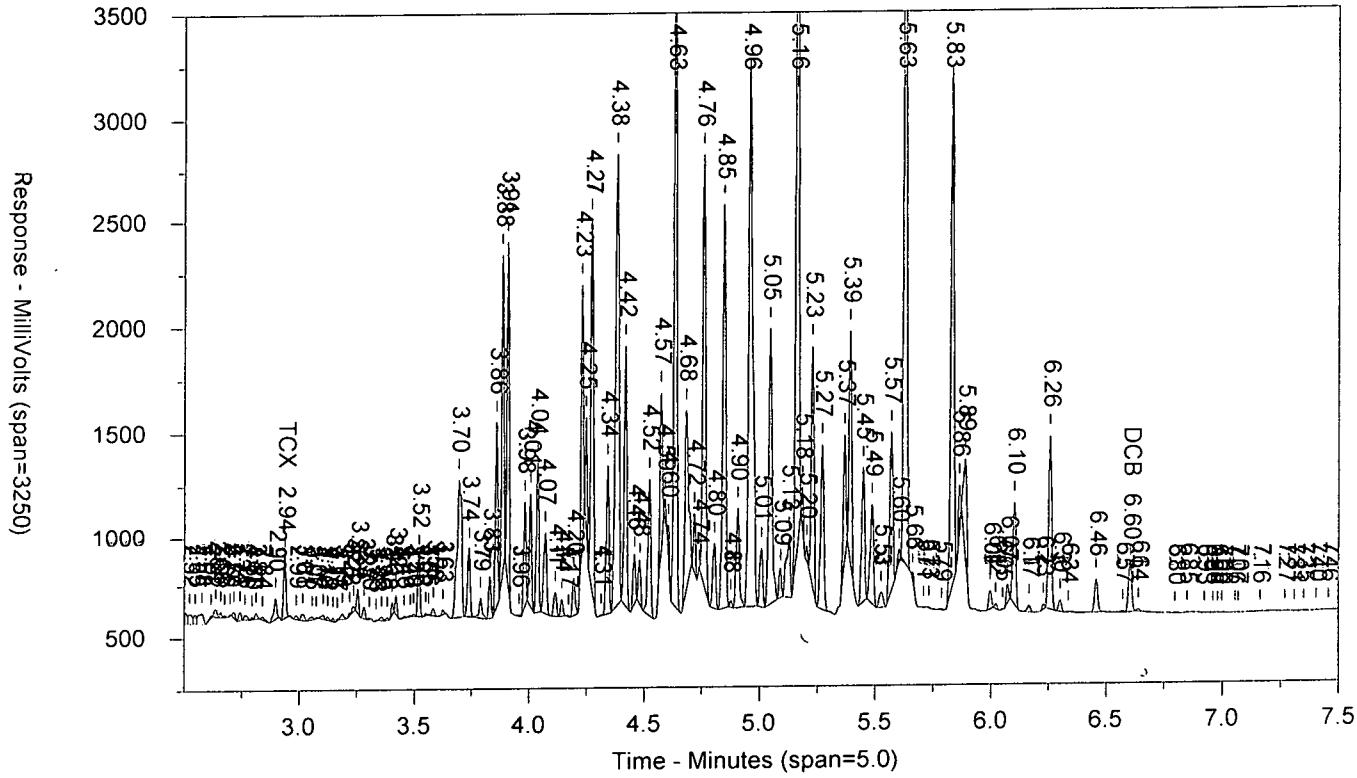

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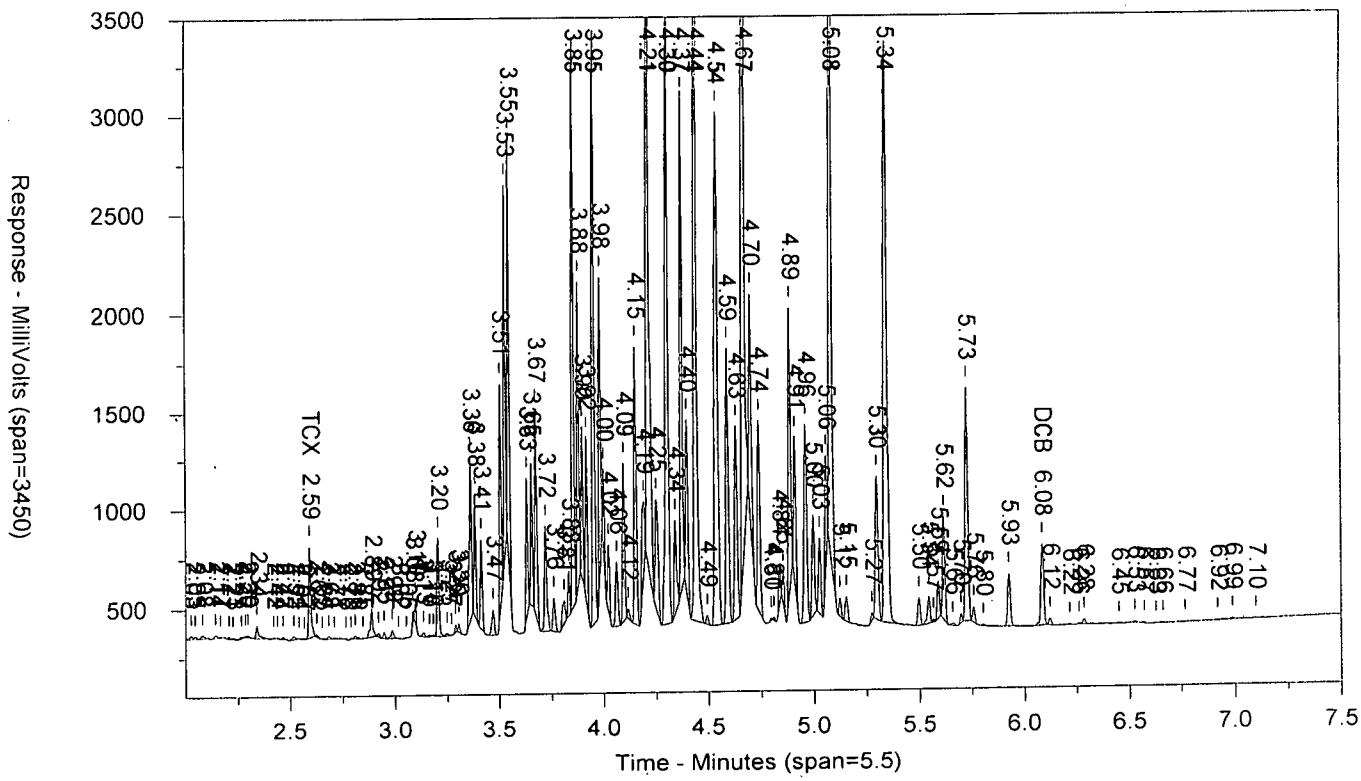

LANCASTER LABORATORIES

Sample Number: 9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:58:48 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: 10.46
Dilution Factor: 200

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
2.938	309479	21.004	TCX	2.592	459003	27.425	TCX
6.603	242504	24.189	DCB	6.084	406998	24.784	DCB

Files:
Area File: 07pcbs17282002.0044.RAW
Area File: 07pcbs17282002B.0044.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 2:07:30 AM
File Reported On: 10/11/2017 at 2:07:40 AM

9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082

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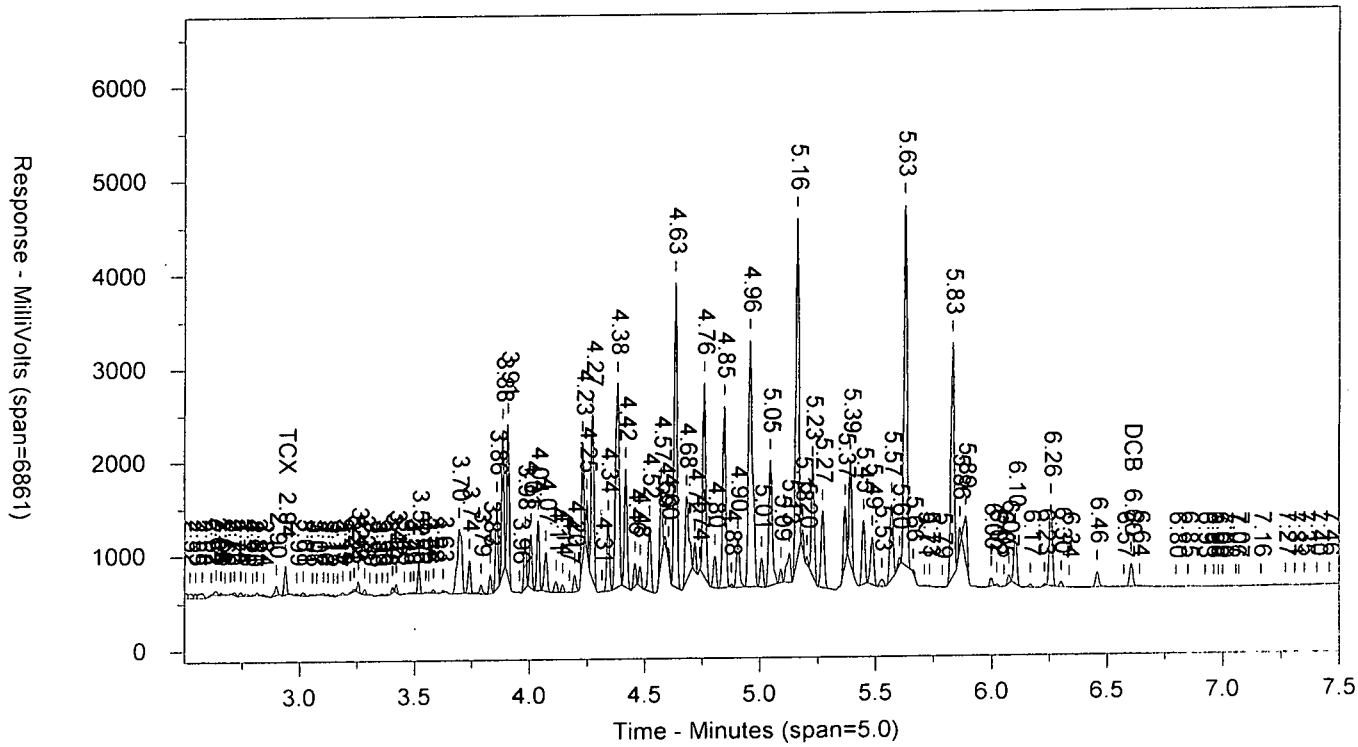

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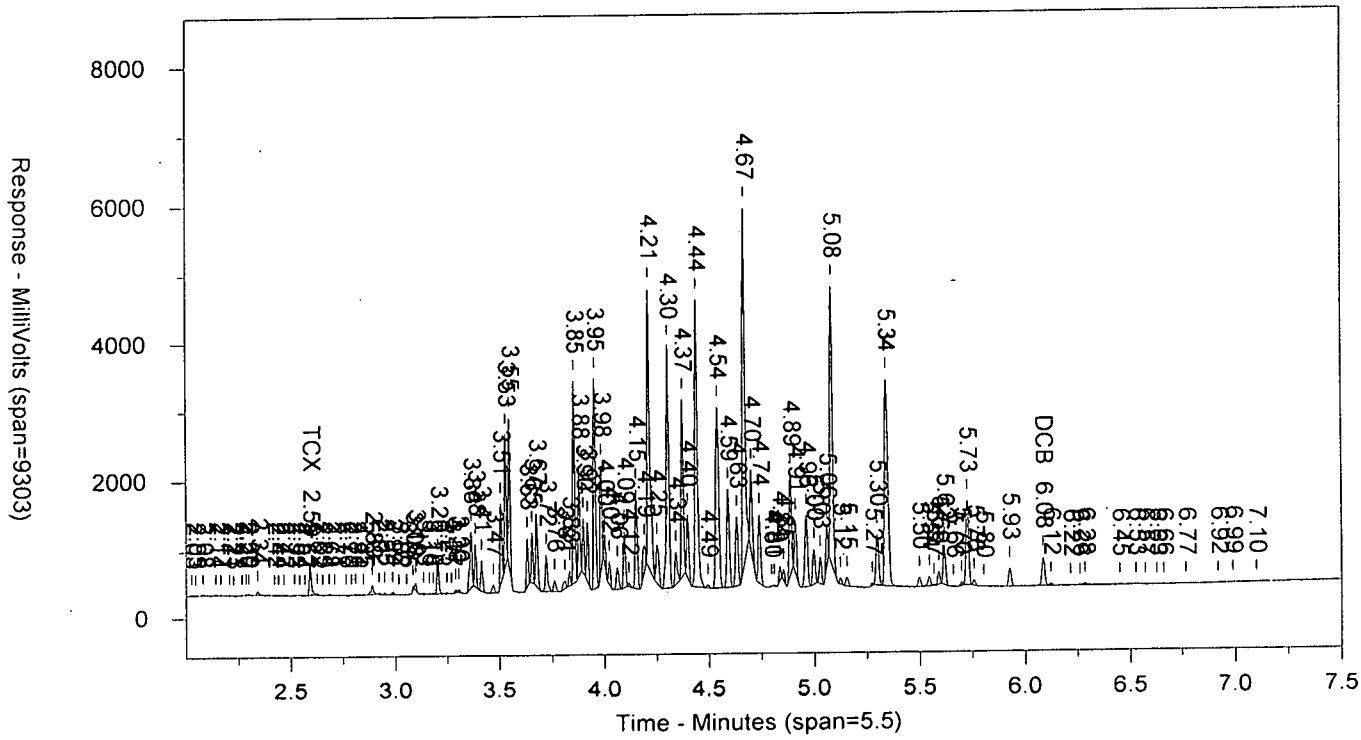

9229405 ACF DF20 AC96A16 T 172790009A 10225 SW-846 8082

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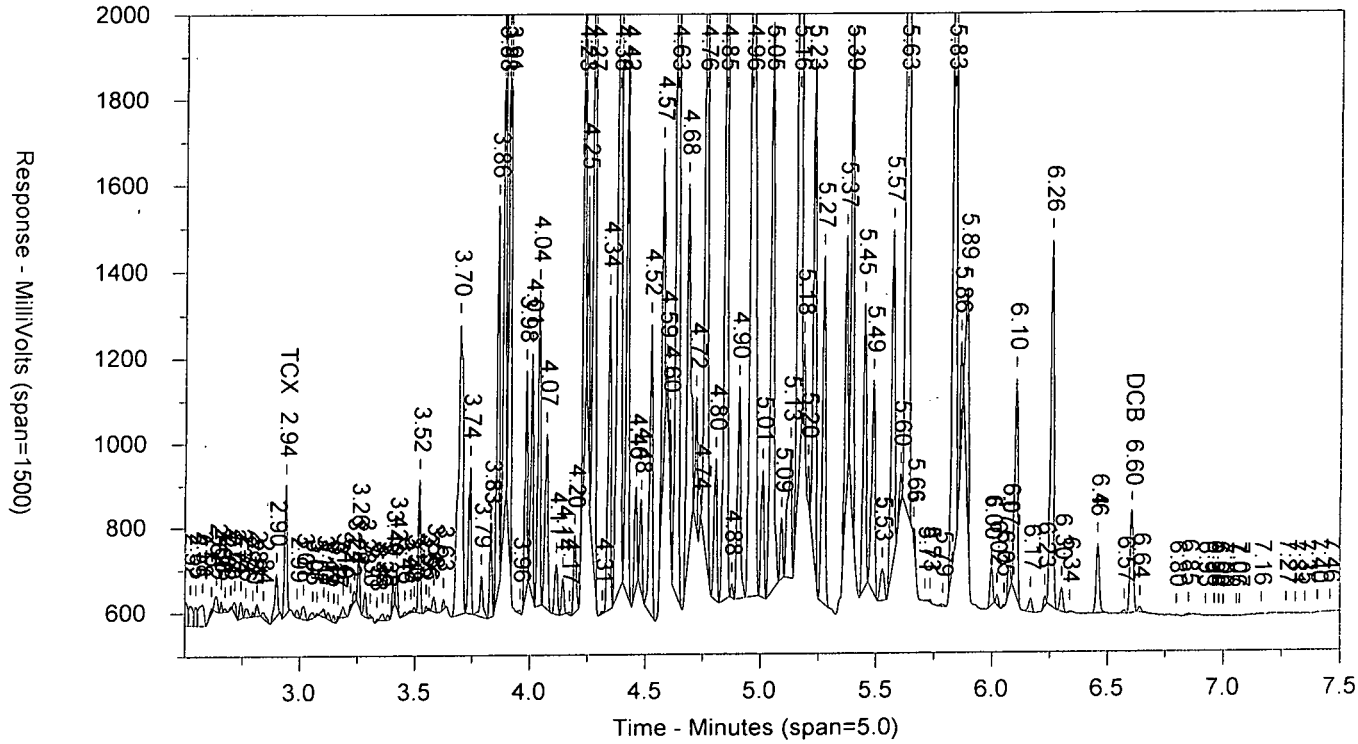

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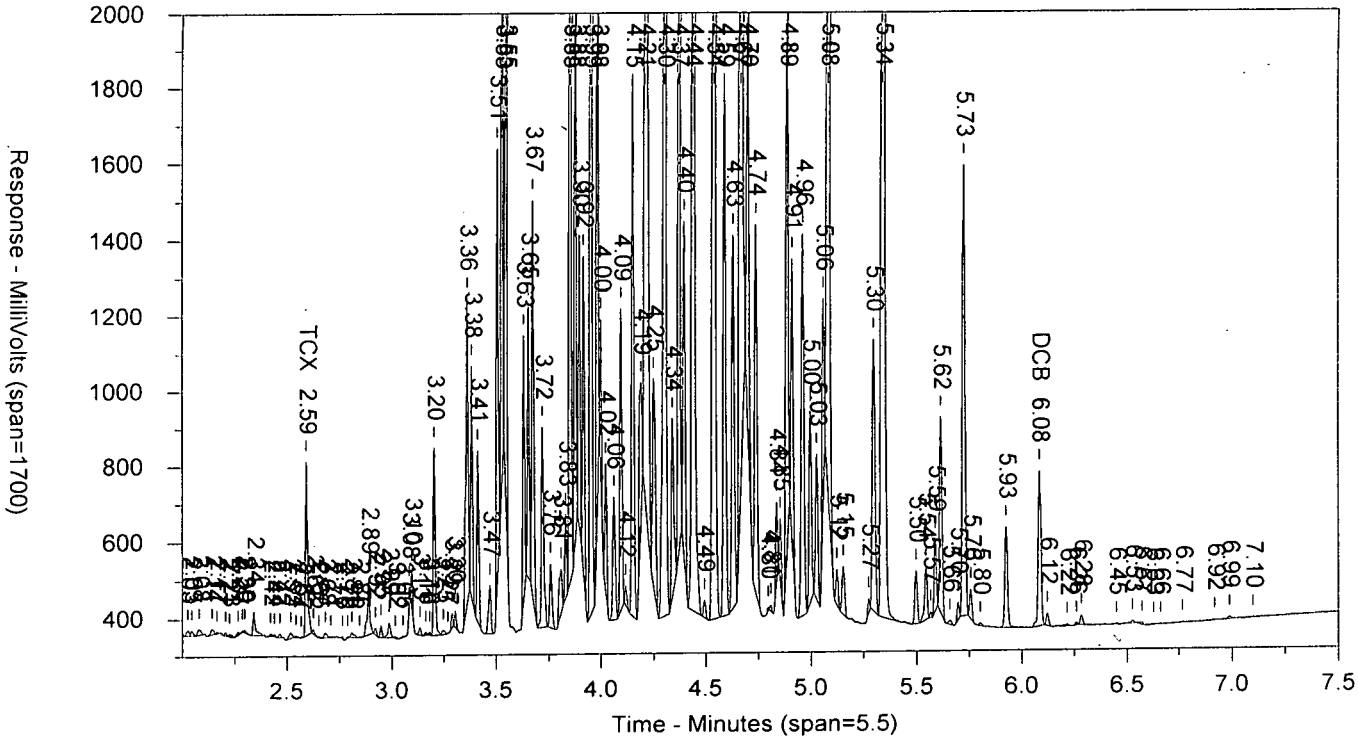

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Data Summary

Sample Name: 9229406 ACF DF20 96A17 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.2 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 02:10:16
Instrument	19843A
Result file	07PCBS17282002.0045.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 99% (61 - 152) Conc: 29.70428
%SSR(DCB) 99% (48 - 164) Conc: 26.46916

Analysis Report (B)

Injected on	Oct 11, 2017 02:10:16
Instrument	19843B
Result file	07PCBS17282002B.0045.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 132% (61 - 152) Conc: 39.67559
%SSR(DCB) 117% (48 - 164) Conc: 31.14399

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	426797	29.70428
Decachlorobiphenyl	6.58	6.60	6.64	258771	26.46916

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	646112	39.67559
Decachlorobiphenyl	6.06	6.08	6.12	498721	31.14399

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	39.67559				28.74	
☑	Tetrachloro-m-xylene-D1	A	29.70428					
☑	Tetrachloro-m-xylene-D2	B	39.67559					
☐	Decachlorobiphenyl	B	31.14399				16.23	
☑	Decachlorobiphenyl-D1	A	26.46916					
☑	Decachlorobiphenyl-D2	B	31.14399					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**31.84**	
4.74	4.76	4.78	1682877	3074.608159			1
4.94	4.96	4.98	2210766	4132.293272			2
5.14	5.16	5.18	4136670	6386.545617			3
5.37	5.39	5.41	1071686	2985.874445			4
5.61	5.63	5.65	3817344	3541.017773			5
5.81	5.83	5.85	2737142	3622.61856			6

Height summation: **15656485**
Concentration CF: **3957.159638** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**36.30**	
4.42	4.44	4.46	4199986	5318.530674			1
4.52	4.54	4.56	2435782	4028.924289			2
4.65	4.67	4.69	6643374	8701.54517			3
4.87	4.89	4.91	1863672	3552.262509			4
5.06	5.08	5.10	5612376	4537.105464			5
5.32	5.34	5.36	3705360	4523.932758			6

Height summation: **24460550**
Concentration CF: **5110.383477** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1000	<194.1176	D1		4	
☑	PCB-1221			<1000	<300	D1		3	
☑	PCB-1232			<1000	<241.1765	D1		4	
☑	PCB-1242			<1000	<241.1765	D1		4	
☑	PCB-1248			<1000	<194.1176	D1		4	
☑	PCB-1254			<1000	<258.8235	D1		4	
☑	PCB-1260	A	3957.159638	1000	229.4118	D1	25.44	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229406** ACF DF20 96A17 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.2 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0045.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (61-152) Conc.: 29.70428 2005/6W
%SSR(DCB) : 99% (48-164) Conc.: 26.46916

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	108.53	
3.17	3.19	3.21	1806.72	7.182557			1
3.50	3.52	3.54	5250.449	16.911631			3
3.71	3.74	3.75	9317.142	24.969317			4
3.77	3.79	3.81	5252.566	16.349991			5
3.96	3.98	4.00	22163.22	90.903271			6
Height Summation:			43790.097				
Amount Avg CF:			31.263354	Linear:			
Aroclor-1221					2	120.62	
3.12	3.13	3.16	7295.805	65.586377			2
3.17	3.19	3.21	1806.72	5.206058			3
Height Summation:			9102.525				
Amount Avg CF:			35.396217	Linear:			
Aroclor-1232					5	119.65	
3.17	3.19	3.21	1806.72	6.292553			1
3.50	3.52	3.54	5250.449	36.558722			3
3.71	3.74	3.75	9317.142	53.926977			4
3.77	3.79	3.81	5252.566	36.596591			5
3.96	3.98	4.00	22163.22	216.713358			6
Height Summation:			43790.097				
Amount Avg CF:			70.01764	Linear:			
Aroclor-1242					5	108.79	
3.17	3.19	3.21	1806.72	5.426751			1
3.50	3.52	3.54	5250.449	12.84186			3
3.71	3.74	3.75	9317.142	19.115623			4
3.77	3.79	3.81	5252.566	12.032721			5
3.96	3.98	4.00	22163.22	68.87679			6
Height Summation:			43790.097				
Amount Avg CF:			23.658749	Linear:			
Aroclor-1248					6	47.98	
3.71	3.74	3.75	9317.142	54.733015			1
3.77	3.79	3.81	5252.566	28.228898			2
3.84	3.86	3.88	40449.32	127.71608			3
3.96	3.98	4.00	22163.22	61.846719			4
4.05	4.07	4.09	35631.49	115.171715			5
4.23	4.25	4.27	35706.54	105.162271			6
Height Summation:			148520.278				
Amount Avg CF:			82.143116	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0045.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 132% (61-152) Conc.: 39.67559
%SSR(DCB) : 117% (48-164) Conc.: 31.14399

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	129.27	
+ 2.86	2.86	2.90	2927.214	10.206601			1
2.86	2.89	2.90	4498.428	15.685105			1
3.19	3.20	3.23	7127.671	20.474472			2
+ 3.19	3.22	3.23	4218.204	12.116931			2
3.38	3.38	3.42	14392.4	41.206242			3
+ 3.38	3.41	3.42	10365.17	29.676059			3
3.45	3.47	3.49	8259.58	21.862484			4
+ 3.51	3.53	3.55	73548.86	267.654944			5
3.51	3.55	3.55	78222.69	284.663687			5
3.61	3.63	3.65	32566.79	102.746044			6
Height Summation:			145067.559				
Amount Avg CF:			81.106339	Linear:			
Aroclor-1221					3	105.32	
+ 2.74	2.76	2.78	1741.185	9.066261			1
2.74	2.78	2.78	5012.728	26.101016			1
2.81	2.81	2.85	11890.23	98.538279			2
+ 2.86	2.86	2.90	2927.214	6.410849			3
2.86	2.89	2.90	4498.428	9.851942			3
Height Summation:			21401.386				
Amount Avg CF:			44.830412	Linear:			
Aroclor-1232					6	142.27	
+ 2.86	2.86	2.90	2927.214	8.012569			1
2.86	2.89	2.90	4498.428	12.313402			1
3.19	3.20	3.23	7127.671	40.115251			2
+ 3.19	3.22	3.23	4218.204	23.740477			2
3.38	3.38	3.42	14392.4	82.095746			3
+ 3.38	3.41	3.42	10365.17	59.124007			3
3.45	3.47	3.49	8259.58	48.815265			4
+ 3.51	3.53	3.55	73548.86	693.81945			5
3.51	3.55	3.55	78222.69	737.909789			5
3.61	3.63	3.65	32566.79	256.600589			6
Height Summation:			145067.559				
Amount Avg CF:			196.30834	Linear:			
Aroclor-1242					6	129.95	
+ 2.86	2.86	2.90	2927.214	8.152793			1
2.86	2.89	2.90	4498.428	12.528893			1
3.19	3.20	3.23	7127.671	16.070697			2
+ 3.19	3.22	3.23	4218.204	9.510747			2
3.38	3.38	3.42	14392.4	32.501975			3
+ 3.38	3.41	3.42	10365.17	23.407388			3
3.45	3.47	3.49	8259.58	17.08153			4
+ 3.51	3.53	3.55	73548.86	213.512277			5
3.51	3.55	3.55	78222.69	227.080401			5
3.61	3.63	3.65	32566.79	81.196489			6
Height Summation:			145067.559				
Amount Avg CF:			64.409997	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229406** ACF DF20 96A17 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.2 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0045.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	96.43	
+ 4.55	4.57	4.59	73636.72	179.926192			1
4.55	4.59	4.59	306933.6	749.970855			1
4.62	4.63	4.65	1272017	1600.984119			2
4.74	4.76	4.78	1682877	7038.350787			3
4.83	4.84	4.87	545523.5	1242.422511			4
5.03	5.05	5.06	652925.2	2441.314593			5
5.14	5.16	5.18	4136670	9555.47058			6
+ 5.14	5.18	5.18	176659.5	408.073319			6
Height Summation:			**8596946.3**				
Amount Avg CF:			**3771.418908**	Linear:			
Aroclor-1260					6	31.84	
4.74	4.76	4.78	1682877	3074.608159			1
4.94	4.96	4.98	2210766	4132.293272			2
5.14	5.16	5.18	4136670	6386.545617			3
5.37	5.39	5.41	1071686	2985.874445			4
5.61	5.63	5.65	3817344	3541.017773			5
5.81	5.83	5.85	2737142	3622.61856			6
Height Summation:			**15656485**				
Amount Avg CF:			**3957.159638**	Linear:			
Aroclor-1262					6	36.67	
5.21	5.23	5.25	182522	1790.68443			1
5.37	5.39	5.41	1071686	2287.421358			2
5.61	5.63	5.65	3817344	3098.450096			3
5.81	5.83	5.85	2737142	2798.207414			4
5.87	5.89	5.91	487406.5	964.639227			5
6.24	6.26	6.28	887447.4	1765.257531			6
Height Summation:			**10183547.9**				
Amount Avg CF:			**2117.443343**	Linear:			
Aroclor-1268					6	95.32	
5.81	5.83	5.85	2737142	1508.175861			1
5.87	5.89	5.91	487406.5	281.244002			2
6.00	6.02	6.04	27570.41	17.652826			3
+ 6.07	6.07	6.11	84096.41	219.523947			4
6.07	6.10	6.11	567451.5	1481.26648			4
6.24	6.26	6.28	887447.4	1638.413489			5
6.44	6.46	6.48	174497.4	43.461956			6
Height Summation:			**4881515.21**				
Amount Avg CF:			**828.369102**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0045.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	142.43	
3.49	3.51	3.53	62544.06	162.866702			1
3.61	3.63	3.65	32566.79	71.398577			2
+ 3.70	3.71	3.74	4536.992	13.960727			3
3.70	3.72	3.74	27546.47	84.762933			3
3.84	3.85	3.88	306335.9	501.575841			4
3.97	3.98	4.01	501287.1	1595.247751			5
+ 3.97	4.00	4.01	47893.87	152.412836			5
4.19	4.21	4.23	1107672	3824.987806			6
+ 4.19	4.22	4.23	470610.3	1625.100805			6
Height Summation:			**2037952.32**				
Amount Avg CF:			**1040.139935**	Linear:			
Aroclor-1254					6	108.20	
4.13	4.15	4.17	274370.6	559.476614			1
4.19	4.21	4.23	1107672	1300.135491			2
+ 4.19	4.22	4.23	470610.3	552.381168			2
4.29	4.30	4.32	2826946	6771.585831			3
4.35	4.37	4.39	488480.6	974.678311			4
4.57	4.59	4.61	824220.6	2189.694934			5
4.65	4.67	4.69	6643374	10471.640386			6
Height Summation:			**12165063.8**				
Amount Avg CF:			**3711.201928**	Linear:			
Aroclor-1260					6	36.30	
4.42	4.44	4.46	4199986	5318.530674			1
4.52	4.54	4.56	2435782	4028.924289			2
4.65	4.67	4.69	6643374	8701.54517			3
4.87	4.89	4.91	1863672	3552.262509			4
5.06	5.08	5.10	5612376	4537.105464			5
5.32	5.34	5.36	3705360	4523.932758			6
Height Summation:			**24460550**				
Amount Avg CF:			**5110.383477**	Linear:			
Aroclor-1262					6	34.86	
4.68	4.70	4.72	1398069	1644.999729			1
4.87	4.89	4.91	1863672	2167.517018			2
5.06	5.08	5.10	5612376	3241.783065			3
5.28	5.30	5.32	907374.9	1264.019395			4
5.33	5.34	5.37	3705360	3128.164697			5
5.71	5.72	5.75	1420301	2132.930405			6
Height Summation:			**14907152.9**				
Amount Avg CF:			**2263.235718**	Linear:			
Aroclor-1268					6	124.30	
5.28	5.30	5.32	907374.9	444.317072			1
5.33	5.34	5.37	3705360	1846.410856			2
5.48	5.50	5.52	147154.5	79.307118			3
5.55	5.57	5.59	14955.31	32.858081			4
5.71	5.72	5.75	1420301	1890.949533			5
5.91	5.92	5.95	301706.7	49.449371			6
Height Summation:			**6496852.41**				
Amount Avg CF:			**723.882005**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229406 ACF DF20 96A17 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.2 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0045.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 02:10:16
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0045.RAW
Calibration file : 07PCBS1728201B.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			1000.0001	194.1177		** 88.71	4	40	
Aroclor-1221			1000.0001	300		23.52	3	40	
Aroclor-1232			1000.0001	241.1765		** 94.84	4	40	
Aroclor-1242			1000.0001	241.1765		** 92.54	4	40	
Aroclor-1248			1000.0001	194.1177		** 170.72	4	40	
Aroclor-1254			1000.0001	258.8236		1.61	4	40	
Aroclor-1260			1000.0001	229.4118		25.44	4	40	
Aroclor-1262			1000.0001	194.1177		6.66	4	40	
Aroclor-1268			1000.0001	194.1177		13.46	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:10:16 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: 07pcbs17282002.0045.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.581		16206	16842
1.647		2745	2439
1.689		15426	15386
1.818		2037	1201
1.981		2660	1609
2.053		17420	28950
2.095		13326	22867
2.143		26416	38353
2.21		21455	16004
2.333		15802	12126
2.372		2076	1246
2.401		2493	1411
2.431		3967	2473
2.525		7673	18781
2.616		3851	2926
2.66		10172	6910
2.709		4328	2507
2.796		4795	3439
2.898		3132	1977
2.937	TCX	426797	302664
3.044		4757	4496
3.132		7296	6857
3.19		1807	1098
3.239		5658	3056
3.259		6563	4240
3.519		5250	2853
3.598		5495	4253
3.677		11804	7798
3.695		16236	12784
3.738		9317	8987
3.791		5253	3206
3.831		4865	3387
3.859		40449	27877
3.885		42153	27007
3.907		42531	26849
3.981		22163	15011
4.005		17171	11183
4.037		28182	19913
4.07		35631	31382
4.115		11303	9150
4.142		18446	12636
4.173		9853	6666
4.195		10269	6748
4.23		155577	111642
4.248		35707	18068
4.275		252442	220216
4.341		148529	119904
4.383		344767	380909
4.417		387282	330810
4.458		137564	105148
4.48		22192	14088
4.502		6820	3383
4.523		117302	99565

RT A	Compound A	Height A	Area A
4.572		73637	51420
4.589		306934	306288
4.634		1272017	1103616
4.682		513816	384694
4.697		114477	61280
4.718		61022	32448
4.739		39572	20116
4.758		1682877	1445298
4.804		77387	71111
4.845		545524	575748
4.876		15972	9051
4.904		563220	545793
4.956		2210766	2798777
5.008		275682	248706
5.047		652925	721533
5.09		194531	145877
5.127		316700	400329
5.161		4136671	3551472
5.184		176660	99208
5.202		69910	31602
5.227		1182523	1064937
5.27		779124	781843
5.366		796063	640385
5.39		1071686	865238
5.447		700265	602503
5.485		463149	431794
5.508		21855	9496
5.527		44577	44688
5.57		489270	471403
5.601		85801	68150
5.626		3817345	3660777
5.661		33573	20866
5.713		36688	33474
5.747		27851	19085
5.768		15552	15012
5.831		2737143	2513545
5.861		229574	150305
5.885		487407	515672
5.997		85621	73011
6.021		27570	20130
6.051		8745	5268
6.073		84096	65418
6.101		567452	513157
6.14		7015	6558
6.165		21916	16210
6.2		3579	2535
6.227		30450	20832
6.255		887447	884222
6.3		60204	54498
6.342		2570	1213
6.371		2309	771
6.456		174497	172755
6.543		1446	312
6.569		7983	6634
6.602	DCB	258771	261018
6.638		17319	14329
6.844		2058	2803
6.975		1734	1297
7.116		2489	4991
7.364		1570	1023
7.446		1473	378
7.493		1911	1704
7.523		930	552
7.567		1153	298
7.728		2068	1805
7.99		1268	503

RT A	Compound A	Height A	Area A
8.222		1643	1360
8.555		1635	756
8.626		1224	412

LANCASTER LABORATORIES

Sample Number: 9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:10:16 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: 07pcbs17282002B.0045.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.516		2344	1960
1.557		3510	3450
1.616		3934	5243
1.723		6217	5479
1.772		7267	6126
1.822		8794	10330
1.851		29516	33143
1.9		18834	14952
1.932		32135	28308
1.964		2923	1983
2.025		7187	4360
2.091		6219	5485
2.125		8350	8295
2.179		3933	7384
2.223		7632	4640
2.299		1709	1853
2.32		6107	3191
2.341		13496	8082
2.415		8253	5627
2.49		1767	1173
2.508		6837	4379
2.592	TCX	646112	418161
2.689		7423	6079
2.763		1741	994
2.777		5013	2938
2.81		11890	11777
2.865		2927	2241
2.889		4498	1689
2.948		4840	3113
3.032		4983	8072
3.096		3979	6837
3.184		1727	936
3.205		7128	4575
3.223		4218	1856
3.248		4330	3477
3.306		25973	22438
3.364		30619	27089
3.383		14392	8905
3.413		10365	5873
3.471		8260	7077
3.506		62544	38221
3.53		73549	40087
3.547		78223	42101
3.598		2961	3251
3.632		32567	19468
3.655		24929	13910
3.675		44295	30949
3.706		4537	2006
3.721		27546	13590
3.759		34221	22568
3.802		16434	11665
3.832		10160	5576
3.853		306336	202014
3.879		94607	51376

3.897		241242	144324
3.917		187534	111488
3.953		523404	372252
3.984		501287	321204
4		47894	20006
4.023		204356	139701
4.065		72289	81061
4.095		140848	96343
4.116		70689	56912
4.152		274371	201966
4.193		342841	278366
4.212		1107672	623216
4.225		470610	212434
4.249		611704	499493
4.303		2826947	2430126
4.34		63206	42634
4.351		49513	21937
4.372		488481	324962
4.397		1200194	910276
4.44		4199987	3304627
4.493		29699	21333
4.539		2435782	2495033
4.592		824221	688776
4.631		1224653	1082220
4.668		6643374	5523678
4.701		1398069	899651
4.738		1155771	882676
4.796		35342	22416
4.837		246891	163496
4.855		235314	146157
4.888		1863672	1365340
4.911		1343518	966921
4.962		1371421	1192372
4.997		650161	495510
5.027		487733	393808
5.061		318255	193914
5.082		5612376	4652942
5.124		129437	86314
5.153		173249	142172
5.196		6580	4465
5.219		43316	31165
5.252		28306	20849
5.274		34897	19717
5.297		907375	789176
5.341		3705360	4097107
5.404		83116	68662
5.439		5545	5440
5.497		147155	126596
5.544		140841	132732
5.566		14955	7950
5.59		231275	166325
5.616		584965	470104
5.654		24359	26184
5.698		54056	38456
5.724		1420301	1161505
5.756		78891	57626
5.803		15463	12271
5.924		301707	256796
5.974		3908	3579
6.084	DCB	498721	461111
6.12		41721	34854
6.214		3916	3528
6.259		4007	2629
6.284		11931	10826
6.321		5520	4570
6.352		2828	2260
6.449		6544	7639

6.506	2855	2181
6.563	6578	7389
6.986	7695	8918
7.505	3937	7816
7.903	6404	9699
7.968	2061	2612
8.057	28298	48439
8.164	8726	14328
8.296	1955	3007
8.368	60708	116870

9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082

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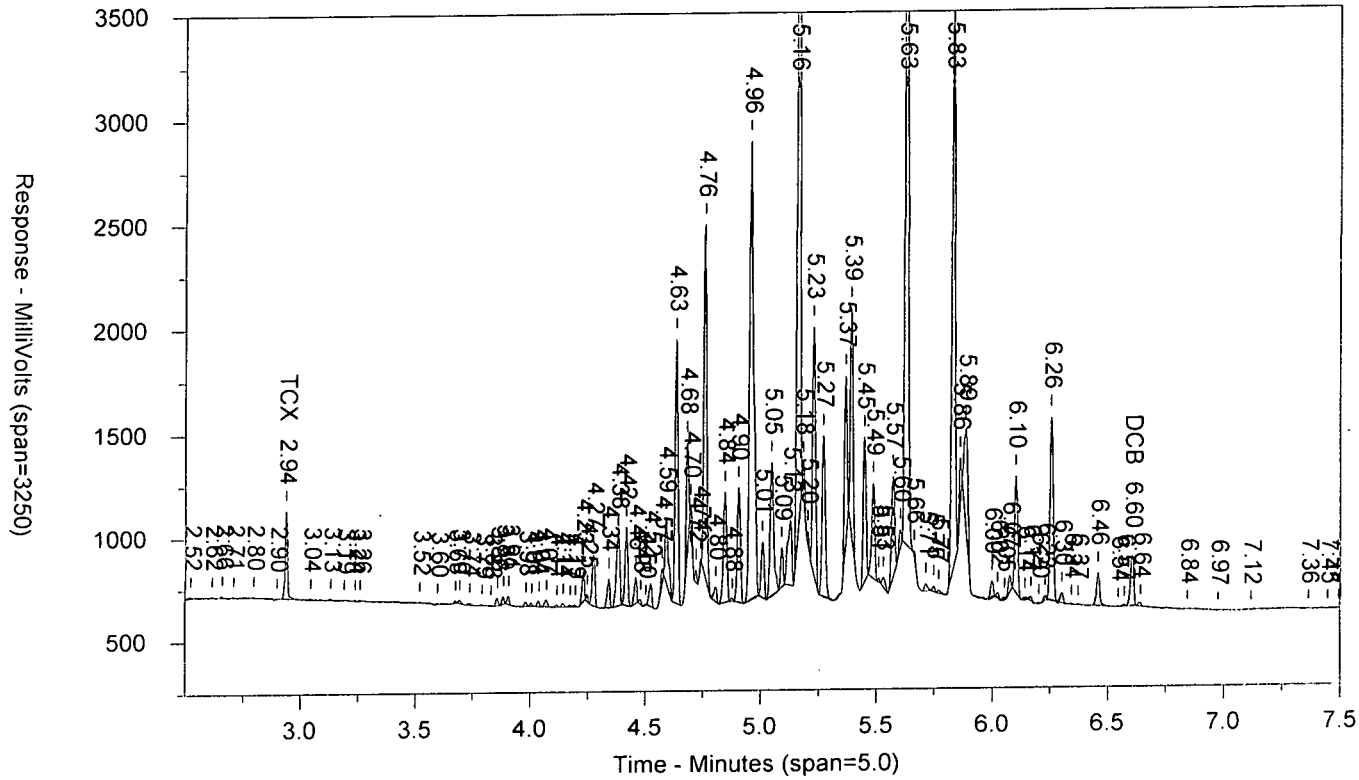

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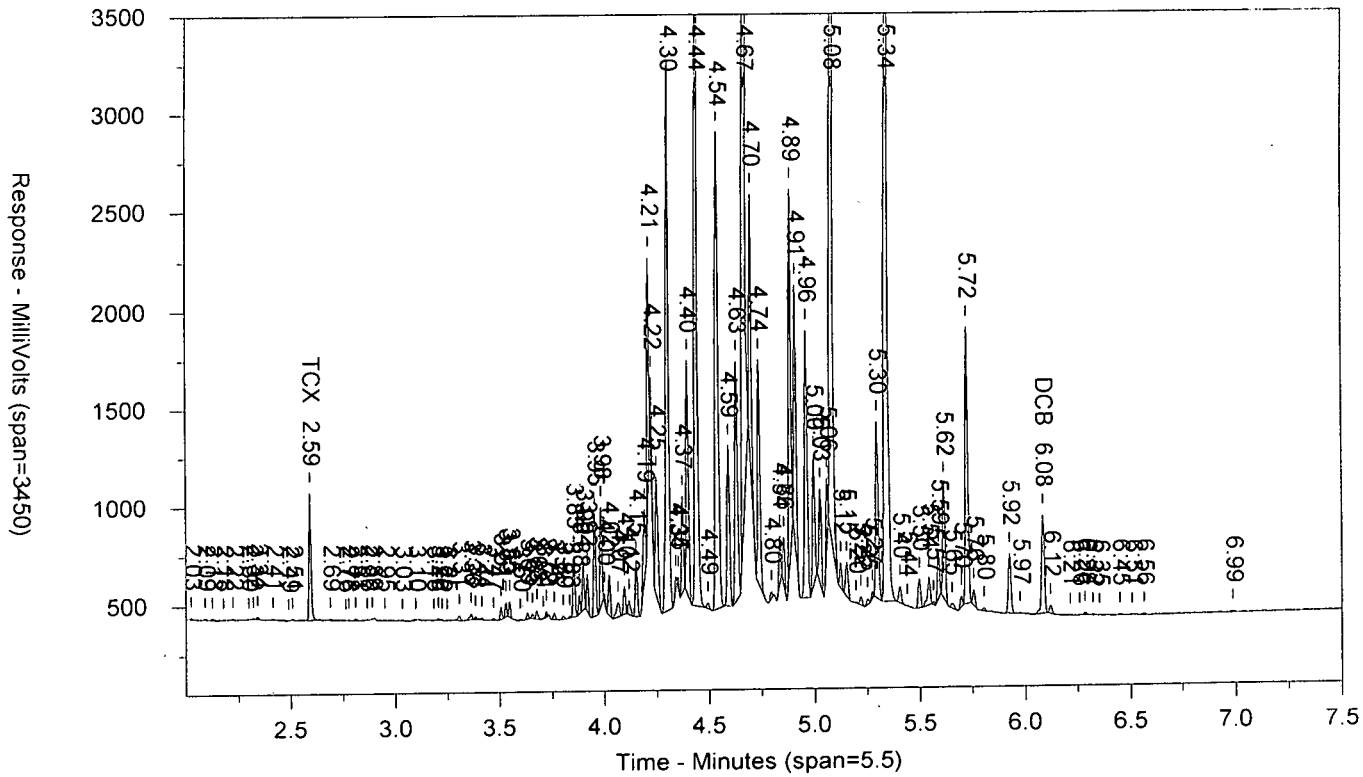

LANCASTER LABORATORIES

Sample Number: 9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:10:16 AM
Sample Weight: 10.2
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
2.937	426797	29.704	TCX	2.592	646112	39.676	TCX
6.602	258771	26.469	DCB	6.084	498721	31.144	DCB

Files:
Area File: 07pcbs17282002.0045.RAW
Area File: 07pcbs17282002B.0045.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 2:18:57 AM
File Reported On: 10/11/2017 at 2:19:10 AM

9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082

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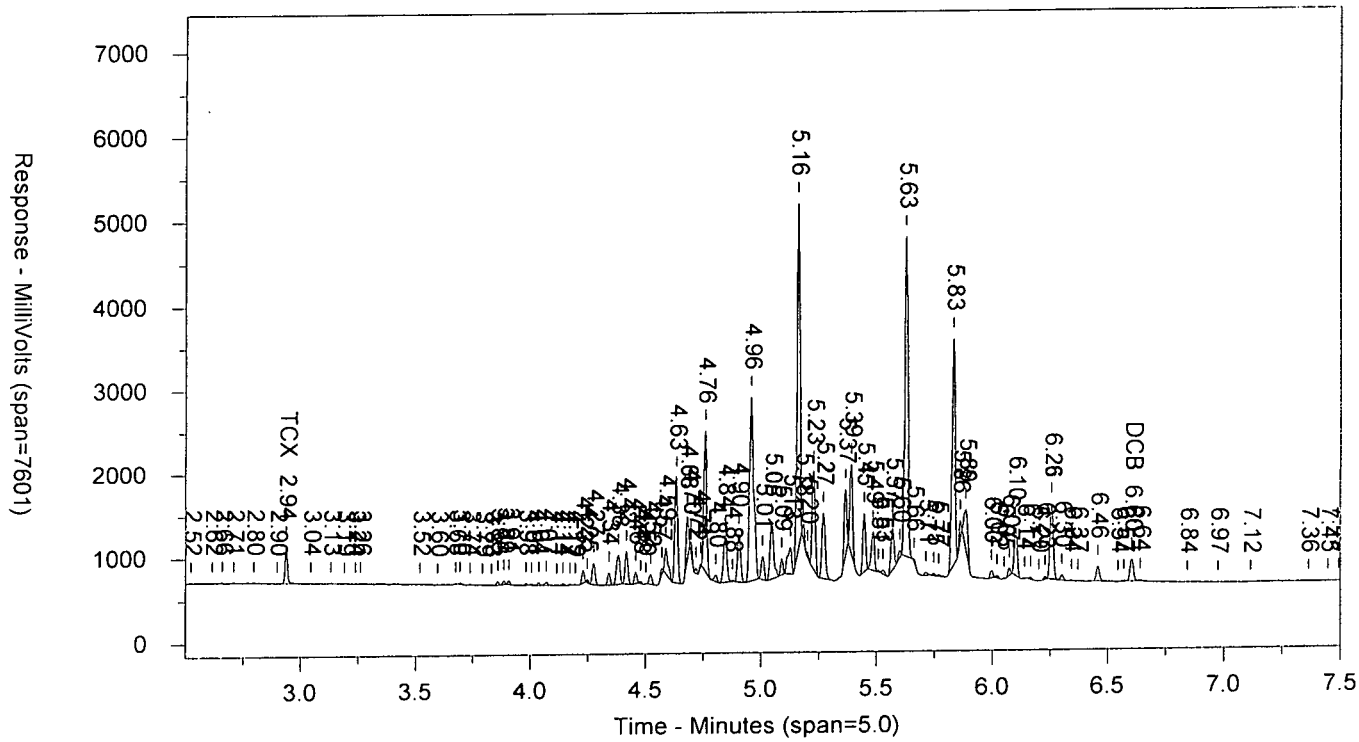

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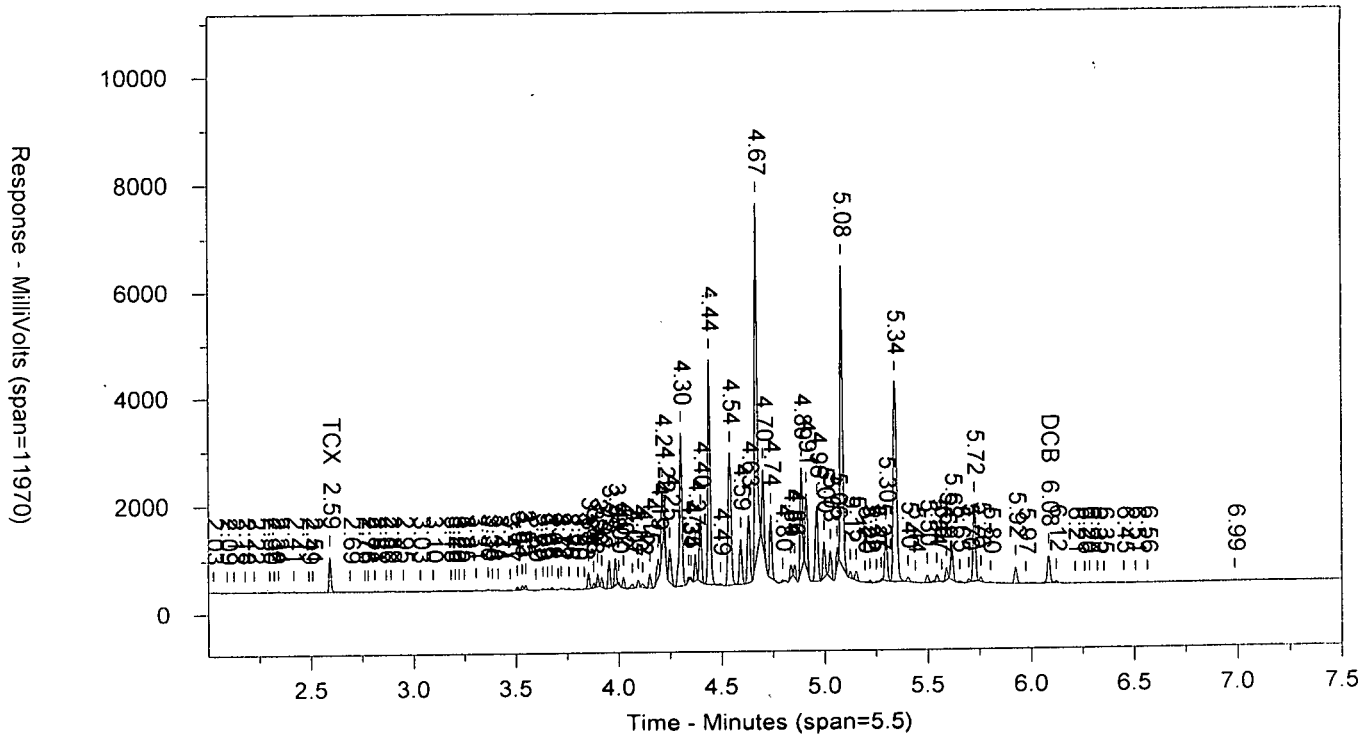

9229406 ACF DF20 AC96A17 T 172790009A 10225 SW-846 8082

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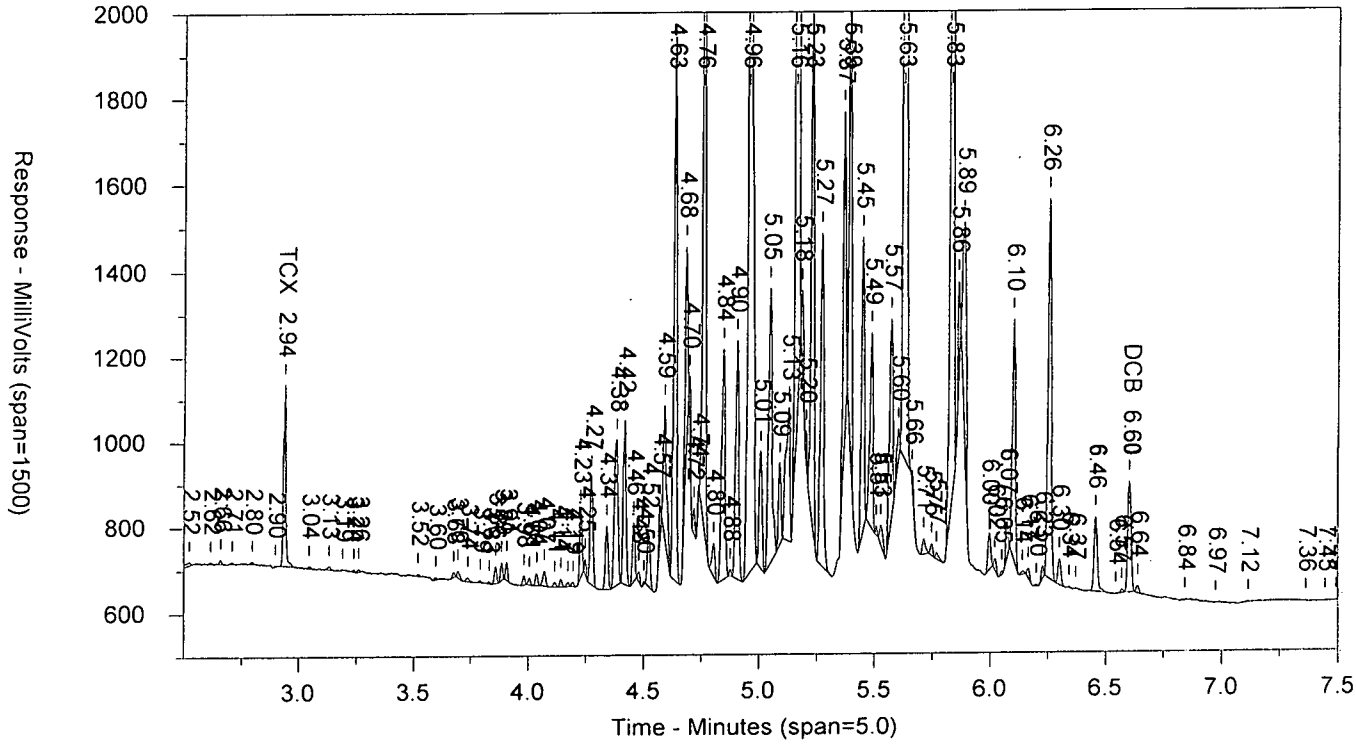

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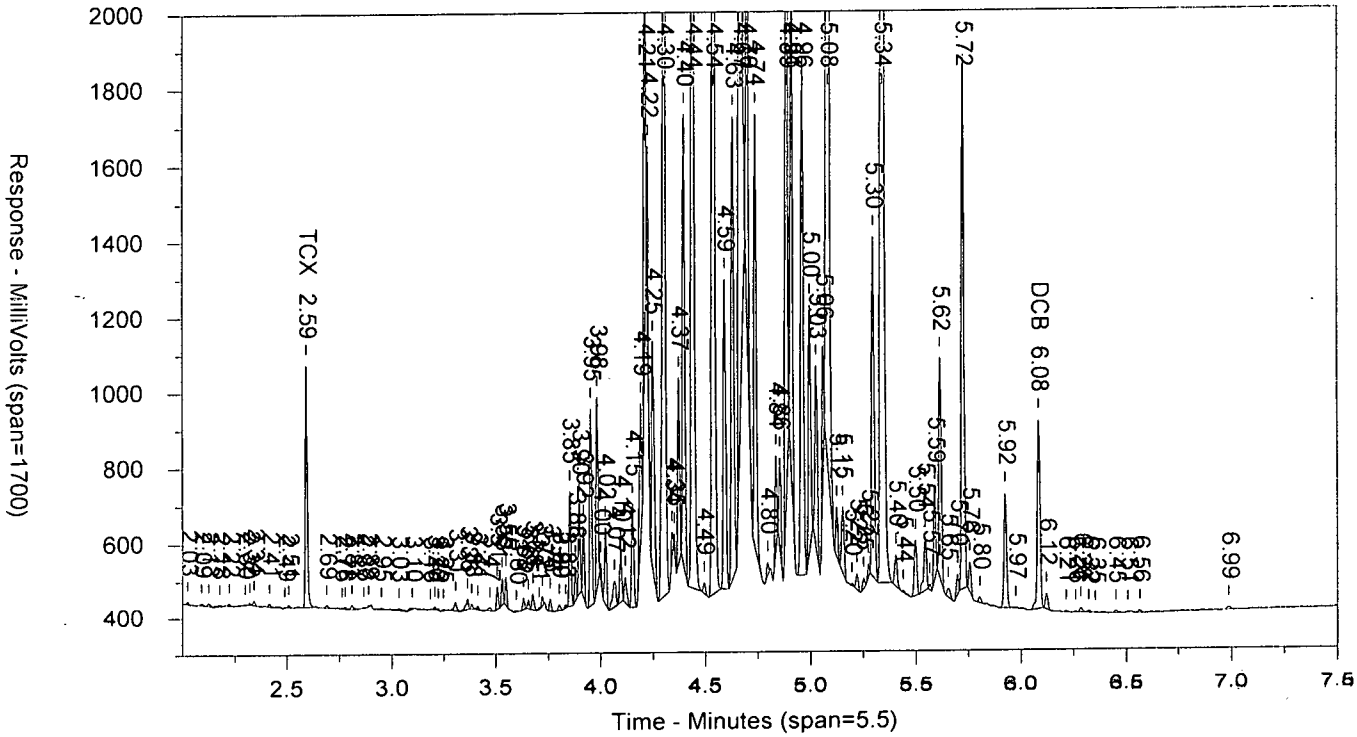

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Data Summary

Sample Name: 9229407 ACF DF50 96A18 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 02:21:45
Instrument	19843A
Result file	07PCBS17282002.0046.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 79% (61 - 152) Conc: 23.38522
%SSR(DCB) 100% (48 - 164) Conc: 26.50738

Analysis Report (B)

Injected on	Oct 11, 2017 02:21:45
Instrument	19843B
Result file	07PCBS17282002B.0046.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 29.33483
%SSR(DCB) 98% (48 - 164) Conc: 25.79479

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	135192	23.38522
Decachlorobiphenyl	6.58	6.60	6.64	104268	26.50738

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	192210	29.33483
Decachlorobiphenyl	6.06	6.08	6.12	166197	25.79479

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.33483				22.57	
☑	Tetrachloro-m-xylene-D1	A	23.38522					
☑	Tetrachloro-m-xylene-D2	B	29.33483					
☐	Decachlorobiphenyl	A	26.50738				2.72	
☑	Decachlorobiphenyl-D1	A	26.50738					
☑	Decachlorobiphenyl-D2	B	25.79479					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**3.31**	
4.62	4.63	4.65	3200467	10011.52605			2
4.83	4.85	4.87	1841434	10423.290099			4
5.03	5.05	5.06	1150647	10692.893605			5
Height summation:			**6192548**				
Concentration		CF:	**10375.903251**	L:			
Aroclor-1260						**3.28**	
5.37	5.39	5.41	846211.9	5859.707429			4
5.61	5.63	5.65	2713743	6256.455274			5
5.81	5.83	5.85	1838608	6047.936801			6
Height summation:			**5398562.9**				
Concentration		CF:	**6054.699835**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.32**	
4.19	4.21	4.23	4221549	12315.217613			2
4.35	4.37	4.39	2553403	12662.69556			4
4.57	4.59	4.61	1377367	9094.579886			5
Height summation:			**8152319**				
Concentration		CF:	**11357.497686**	L:			
Aroclor-1260						**10.18**	
4.87	4.89	4.91	1260682	5972.194504			4
5.06	5.08	5.10	3469157	6970.258585			5
5.32	5.34	5.36	2401460	7287.086236			6
Height summation:			**7131299**				
Concentration		CF:	**6743.179775**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:13

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Data Summary

Sample Name: 9229407 ACF DF50 96A18 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 02:21:45
Instrument	19843A
Result file	07PCBS17282002.0046.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 11, 2017 02:21:45
Instrument	19843B
Result file	07PCBS17282002B.0046.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2485.3802	<482.4562	D1		4	
☑ PCB-1221			<2485.3802	<745.6141	D1		3	
☑ PCB-1232			<2485.3802	<599.4152	D1		4	
☑ PCB-1242			<2485.3802	<599.4152	D1		4	
☑ PCB-1248			<2485.3802	<482.4562	D1		4	
☑ PCB-1254	A	10375.903251	2485.3802	643.2749	D1	9.03	4	
☑ PCB-1260	A	6054.699835	2485.3802	570.1755	D1	10.76	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229407** ACF DF50 96A18 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0046.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 79% (61-152) Conc.: 23.38522 pcs/60
%SSR(DCB) : 100% (48-164) Conc.: 26.50738

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	95.74	
3.17	3.19	3.21	14228.83	140.588648			1
+ 3.38	3.40	3.42	35810.49	344.104785			2
3.38	3.42	3.42	59198.6	568.842301			2
3.50	3.52	3.54	244480.9	1957.162183			3
3.71	3.74	3.75	279636.4	1862.560855			4
3.77	3.79	3.81	65232.67	504.665925			5
3.96	3.98	4.00	395790.8	4034.643502			6
Height Summation:			1058568.2				
Amount Avg CF:			1511.410569	Linear:			
Aroclor-1221					3	53.95	
+ 3.07	3.07	3.11	2848.693	57.202766			1
3.07	3.10	3.11	12911.57	259.268905			1
3.12	3.12	3.16	16049.54	358.588068			2
+ 3.12	3.15	3.16	12059.42	269.438508			2
3.17	3.19	3.21	14228.83	101.901395			3
Height Summation:			43189.94				
Amount Avg CF:			239.919456	Linear:			
Aroclor-1232					6	102.35	
3.17	3.19	3.21	14228.83	123.168046			1
+ 3.38	3.40	3.42	35810.49	748.056992			2
3.38	3.42	3.42	59198.6	1236.618841			2
3.50	3.52	3.54	244480.9	4230.895657			3
3.71	3.74	3.75	279636.4	4022.62808			4
3.77	3.79	3.81	65232.67	1129.606246			5
3.96	3.98	4.00	395790.8	9618.588347			6
Height Summation:			1058568.2				
Amount Avg CF:			3393.584203	Linear:			
Aroclor-1242					6	95.65	
3.17	3.19	3.21	14228.83	106.221156			1
+ 3.38	3.40	3.42	35810.49	266.021348			2
3.38	3.42	3.42	59198.6	439.761962			2
3.50	3.52	3.54	244480.9	1486.172561			3
3.71	3.74	3.75	279636.4	1425.910479			4
3.77	3.79	3.81	65232.67	371.407193			5
3.96	3.98	4.00	395790.8	3057.021945			6
Height Summation:			1058568.2				
Amount Avg CF:			1147.749216	Linear:			
Aroclor-1248					6	48.46	
3.71	3.74	3.75	279636.4	4082.753663			1
3.77	3.79	3.81	65232.67	871.325398			2
3.84	3.86	3.88	709596.2	5568.502969			3
3.96	3.98	4.00	395790.8	2744.999843			4
4.05	4.07	4.09	350255.2	2813.774323			5
4.23	4.25	4.27	441627.5	3232.668104			6
Height Summation:			2242138.77				
Amount Avg CF:			3219.00405	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0046.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 99% (61-152) Conc.: 29.33483
%SSR(DCB) : 98% (48-164) Conc.: 25.79479

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	129.72	
2.86	2.89	2.90	72832.57	631.168199			1
3.19	3.20	3.23	356297.5	2543.727983			2
3.38	3.38	3.42	527950.9	3756.783304			3
+ 3.38	3.41	3.42	387665.4	2758.542323			3
3.45	3.47	3.49	101384	666.966137			4
+ 3.51	3.53	3.55	1703212	15404.969822			5
3.51	3.55	3.55	1951871	17654.005403			5
3.61	3.63	3.65	564658.1	4427.601618			6
Height Summation:			3574994.07				
Amount Avg CF:			4946.708774	Linear:			
Aroclor-1221					2	55.90	
2.81	2.81	2.85	8341.393	171.809083			2
2.86	2.89	2.90	72832.57	396.441878			3
Height Summation:			81173.963				
Amount Avg CF:			284.12548	Linear:			
Aroclor-1232					6	143.51	
2.86	2.89	2.90	72832.57	495.490962			1
3.19	3.20	3.23	356297.5	4983.878697			2
3.38	3.38	3.42	527950.9	7484.68946			3
+ 3.38	3.41	3.42	387665.4	5495.880646			3
3.45	3.47	3.49	101384	1489.223652			4
E+ 3.51	3.53	3.55	1703212	39933.010541			5
E 3.51	3.55	3.55	1951871	45762.996748			5
E 3.61	3.63	3.65	564658.1	11057.605156			6
Height Summation:			3574994.07				
Amount Avg CF:			11878.980779	Linear:			
Aroclor-1242					6	130.46	
2.86	2.89	2.90	72832.57	504.16231			1
3.19	3.20	3.23	356297.5	1996.607349			2
3.38	3.38	3.42	527950.9	2963.213086			3
+ 3.38	3.41	3.42	387665.4	2175.837159			3
3.45	3.47	3.49	101384	521.111969			4
E+ 3.51	3.53	3.55	1703212	12288.770496			5
E 3.51	3.55	3.55	1951871	14082.859184			5
3.61	3.63	3.65	564658.1	3498.973705			6
Height Summation:			3574994.07				
Amount Avg CF:			3927.821267	Linear:			
Aroclor-1248					6	105.27	
3.49	3.51	3.53	1019376	6597.409708			1
3.61	3.63	3.65	564658.1	3076.755488			2
3.70	3.72	3.74	452045.4	3457.123503			3
3.84	3.85	3.88	2451970	9978.073228			4
3.97	3.98	4.01	1457470	11527.471471			5
+ 3.97	4.00	4.01	393892.4	3115.387215			5
4.19	4.21	4.23	4221549	36231.267834			6
Height Summation:			10167068.5				
Amount Avg CF:			11811.350205	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229407** ACF DF50 96A18 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0046.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	45.12	
4.55	4.57	4.59	725556.3	4406.196798			1
+ 4.55	4.59	4.59	67415.16	409.402361			1
4.62	4.63	4.65	3200467	10011.52605			2
4.74	4.76	4.78	1694157	17610.229153			3
4.83	4.85	4.87	1841434	10423.290099			4
5.03	5.05	5.06	1150647	10692.893605			5
5.14	5.16	5.18	3325188	19090.18896			6
Height Summation:			11937449.3				
Amount Avg CF:			12039.054111	Linear:			
Aroclor-1260					6	34.14	
4.74	4.76	4.78	1694157	7692.789957			1
4.94	4.96	4.98	2165587	10060.43628			2
5.14	5.16	5.18	3325188	12759.221182			3
5.37	5.39	5.41	846211.9	5859.707429			4
5.61	5.63	5.65	2713743	6256.455274			5
5.81	5.83	5.85	1838608	6047.936801			6
Height Summation:			12583494.9				
Amount Avg CF:			8112.75782	Linear:			
Aroclor-1262					6	37.01	
5.21	5.23	5.25	834551.4	3140.911777			1
5.37	5.39	5.41	846211.9	4489.009893			2
5.61	5.63	5.65	2713743	5474.503571			3
5.81	5.83	5.85	1838608	4671.588056			4
5.87	5.89	5.91	331413.8	1630.18544			5
6.24	6.26	6.28	628850.5	3108.892333			6
Height Summation:			7193378.6				
Amount Avg CF:			3752.515178	Linear:			
Aroclor-1268					6	96.02	
5.81	5.83	5.85	1838608	2517.88924			1
5.87	5.89	5.91	331413.8	475.28637			2
6.00	6.02	6.04	17512.14	27.867824			3
+ 6.07	6.07	6.11	64780.86	420.285083			4
6.07	6.10	6.11	423973.2	2750.652143			4
6.24	6.26	6.28	628850.5	2885.5003			5
6.44	6.46	6.48	118416.6	73.30367			6
Height Summation:			3358774.24				
Amount Avg CF:			1455.083258	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0046.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	37.32	
4.13	4.15	4.17	1368784	6937.00655			1
4.19	4.21	4.23	4221549	12315.217613			2
4.29	4.30	4.32	3083278	18356.013931			3
4.35	4.37	4.39	2553403	12662.69556			4
4.57	4.59	4.61	1377367	9094.579886			5
4.65	4.67	4.69	4893144	19169.325565			6
Height Summation:			17497525				
Amount Avg CF:			13089.139851	Linear:			
Aroclor-1260					6	39.22	
4.42	4.44	4.46	3658661	11514.864086			1
4.52	4.54	4.56	2248573	9243.799153			2
4.65	4.67	4.69	4893144	15928.99929			3
4.87	4.89	4.91	1260682	5972.194504			4
5.06	5.08	5.10	3469157	6970.258585			5
5.32	5.34	5.36	2401460	7287.086236			6
Height Summation:			17931677				
Amount Avg CF:			9486.200309	Linear:			
Aroclor-1262					6	33.73	
4.68	4.70	4.72	930301.1	2720.530373			1
4.87	4.89	4.91	1260682	3644.109407			2
5.06	5.08	5.10	3469157	4980.282345			3
5.28	5.30	5.32	596063.9	2063.728757			4
5.33	5.34	5.37	2401460	5038.80299			5
5.71	5.72	5.75	834588.2	3115.023677			6
Height Summation:			9492252.2				
Amount Avg CF:			3593.746258	Linear:			
Aroclor-1268					6	121.99	
5.28	5.30	5.32	596063.9	725.423931			1
5.33	5.34	5.37	2401460	2974.172221			2
5.48	5.50	5.52	119979.6	160.708501			3
5.55	5.57	5.59	10916.15	59.608623			4
5.71	5.72	5.75	834588.2	2761.624362			5
5.91	5.93	5.95	179034.9	72.93002			6
Height Summation:			4142042.75				
Amount Avg CF:			1125.74461	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2485.38	482.4561		** 106.39	4	40	
Aroclor-1221			2485.38	745.614		16.87	3	40	
Aroclor-1232			2485.38	599.4152		** 111.12	4	40	
Aroclor-1242			2485.38	599.4152		** 109.55	4	40	
Aroclor-1248			2485.38	482.4561		** 114.33	4	40	
Aroclor-1254			2485.38	643.2748		8.36	4	40	
Aroclor-1260			2485.38	570.1754		15.61	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229407 ACF DF50 96A18 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.26 g Total Volume: 500 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0046.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 02:21:45
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0046.RAW
Calibration file : 07PCBS1728201B.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-1262			2485.38	482.4561		4.32	4	40	
Aroclor-1268			2485.38	482.4561		25.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:21:45 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: 07pcbs17282002.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.531		17941	47781
1.583		62101	73332
1.639		16073	22525
1.665		13350	12700
1.689		30104	27476
1.74		8882	8568
1.818		6869	3696
1.837		16653	14018
1.862		14538	15312
1.888		17958	22467
1.928		23850	25937
1.948		29298	37771
1.971		17686	12294
1.994		18852	11777
2.012		29900	37353
2.056		34331	47602
2.084		28334	40104
2.119		39381	69673
2.14		34483	29146
2.157		38062	61889
2.209		55386	56277
2.232		36014	59641
2.286		29369	58525
2.322		37688	33477
2.335		32309	22271
2.355		25957	18977
2.397		43053	68084
2.442		32892	46558
2.459		38608	63642
2.491		37341	45079
2.526		39592	49620
2.547		34274	26971
2.575		37254	67771
2.617		9561	10097
2.636		16418	16878
2.659		25087	11998
2.678		5297	3855
2.713		23034	33330
2.743		27680	21881
2.764		7369	3800
2.795		11494	4988
2.813		18805	15593
2.839		7481	4842
2.898		21434	31381
2.915		7686	3380
2.938	TCX	135192	93450
2.961		7638	5578
2.987		8986	7411
3.014		17739	19635
3.056		8837	12391
3.073		2849	1232
3.102		12912	12244
3.123		16050	12040

RT A	Compound A	Height A	Area A
3.147		12059	6709
3.167		5838	3027
3.189		14229	17686
3.217		4315	2389
3.242		9342	6314
3.256		42825	23244
3.282		24403	17853
3.316		7243	3331
3.335		5382	2492
3.356		11773	10927
3.381		8545	5214
3.404		35810	20237
3.421		59199	35578
3.456		5246	2864
3.495		2947	1358
3.519		244481	167895
3.55		5756	4358
3.586		13422	9724
3.626		13216	9118
3.641		8861	5201
3.695		518753	724653
3.74		279636	211212
3.79		65233	46304
3.831		154674	112024
3.858		709596	500942
3.885		1183792	796164
3.907		1293186	872795
3.95		2226	1617
3.982		395791	274705
4.006		463636	326881
4.037		647666	488635
4.07		350255	309818
4.115		97928	85433
4.143		68213	49805
4.162		2771	1045
4.196		139943	115000
4.23		1117207	749423
4.248		441628	242268
4.273		1571031	1316374
4.314		4787	3092
4.341		681263	562904
4.383		1985100	2160028
4.418		1206414	988393
4.458		239093	171451
4.48		190778	137916
4.523		615359	556173
4.572		725556	560552
4.588		67415	23373
4.603		151939	90477
4.634		3200467	2744604
4.682		546248	414254
4.718		246652	161971
4.739		17718	8277
4.758		1694157	1580191
4.804		329329	286229
4.845		1841434	1774630
4.877		28067	17531
4.905		427797	400659
4.956		2165587	2802662
5.007		223445	198488
5.045		1150647	1245146
5.09		162619	116770
5.127		262832	336197
5.161		3325188	2840188
5.184		172639	87812
5.203		85007	44752

RT A	Compound A	Height A	Area A
5.228		834551	740284
5.271		603962	596707
5.366		613730	486280
5.39		846212	665442
5.447		526903	458440
5.485		398660	389404
5.526		54484	62983
5.566		659669	660650
5.601		87358	69665
5.627		2713743	2495341
5.662		33318	22127
5.715		4029	2759
5.786		4566	3808
5.831		1838609	1776019
5.861		196312	137435
5.887		331414	344773
5.997		80876	68218
6.022		17512	12142
6.051		7330	4527
6.075		64781	47293
6.102		423973	383139
6.166		37879	45830
6.228		25894	18552
6.256		628851	599647
6.301		40278	34883
6.339		7114	7279
6.394		1828	884
6.416		1288	459
6.457		118417	116532
6.57		7237	6219
6.603	DCB	104268	99600
6.638		13539	12042
6.76		1427	779
6.812		3726	3628
6.851		16375	34722
6.994		1316	781
7.173		1473	609
7.212		1387	599
7.414		2000	2905
7.591		1548	1022
7.735		2043	1898
7.787		1134	630
7.877		1576	802
7.894		1381	1051
7.949		3294	4612
8.003		1440	656
8.098		1229	569
8.162		1487	548
8.266		1047	503
8.34		1241	328
8.412		1138	743
8.544		1200	1179
8.615		1422	627

LANCASTER LABORATORIES

Sample Number: 9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:21:45 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: 07pcbs17282002B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.503		2857	1833
1.556		11911	16413
1.621		17912	34551
1.649		13052	13038
1.689		18497	26035
1.711		21674	30505
1.744		16753	17629
1.77		24346	31228
1.817		27011	77532
1.855		24295	29676
1.878		24035	21276
1.902		30431	31931
1.933		63127	72259
1.96		26543	24432
1.982		23435	27737
2.001		9461	4839
2.024		20971	20114
2.047		17570	16926
2.08		19912	32729
2.143		12423	14220
2.168		6050	3656
2.206		8596	4838
2.224		9486	11247
2.268		7439	8166
2.286		5497	2456
2.298		6053	3679
2.341		53007	47779
2.42		8998	9307
2.44		7021	3381
2.466		12679	7645
2.481		5894	3476
2.514		18277	22643
2.543		5179	3585
2.568		3648	1883
2.592	TCX	192210	131916
2.638		7004	2529
2.654		6855	3543
2.687		11978	14502
2.789		3929	2975
2.813		8341	11366
2.848		4036	1909
2.889		72833	72134
2.951		8875	5104
2.987		21971	19715
3.054		4063	3292
3.085		33722	15940
3.096		61677	29132
3.135		11620	6756
3.162		2952	1746
3.181		3685	1585
3.205		356298	237183
3.243		6155	5869
3.291		33650	19167
3.305		17198	7927

3.332	3278	2049
3.364	621360	453647
3.384	527951	299830
3.414	387665	241989
3.47	101384	86661
3.507	1019376	638234
3.53	1703212	884593
3.547	1951871	1090103
3.632	564658	325849
3.655	614154	348386
3.675	929644	615833
3.721	452045	340286
3.76	148745	117512
3.81	96165	103950
3.832	169480	96016
3.854	2451971	1638805
3.879	1483569	856043
3.897	716749	393003
3.918	850304	505348
3.953	2840491	1951236
3.983	1457470	919663
4	393892	191580
4.023	333327	201600
4.062	332035	265678
4.096	814599	561218
4.124	91626	75245
4.152	1368784	971306
4.186	393160	371488
4.212	4221549	3462819
4.25	518716	479612
4.303	3083278	2595553
4.34	475404	390048
4.373	2553403	1804068
4.397	859631	581920
4.439	3658661	3112363
4.494	205121	152085
4.54	2248573	2428874
4.59	1377367	1171466
4.631	888541	793308
4.668	4893144	4227799
4.701	930301	647356
4.738	796323	620031
4.797	16148	9306
4.809	13528	7295
4.838	176561	111496
4.855	186475	120710
4.888	1260682	924243
4.911	936823	653047
4.962	896801	794496
4.997	451378	364891
5.028	326016	259008
5.06	674769	445480
5.083	3469157	2738087
5.124	77614	53701
5.155	112020	93529
5.219	6114	3762
5.275	27320	15837
5.298	596064	521756
5.342	2401460	2594356
5.442	4632	2744
5.498	119980	100048
5.545	104058	94258
5.567	10916	5141
5.59	182898	136345
5.616	373816	300869
5.656	11708	13844
5.699	45416	31121

5.725		834588	717658
5.757		51012	37494
5.803		8434	7444
5.926		179035	162590
6.063		6369	3754
6.085	DCB	166197	144773
6.122		32605	28323
6.167		1970	1970
6.214		4832	7274
6.259		3449	2246
6.285		17984	15806
6.326		1841	3015
6.454		4877	4694
6.511		2599	4462
6.621		2557	2923
6.765		1886	2506
6.987		5339	5619
7.183		1808	2441
7.514		6689	10304
8.066		3401	6999
8.162		9399	17750
8.37		5839	12575

9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082

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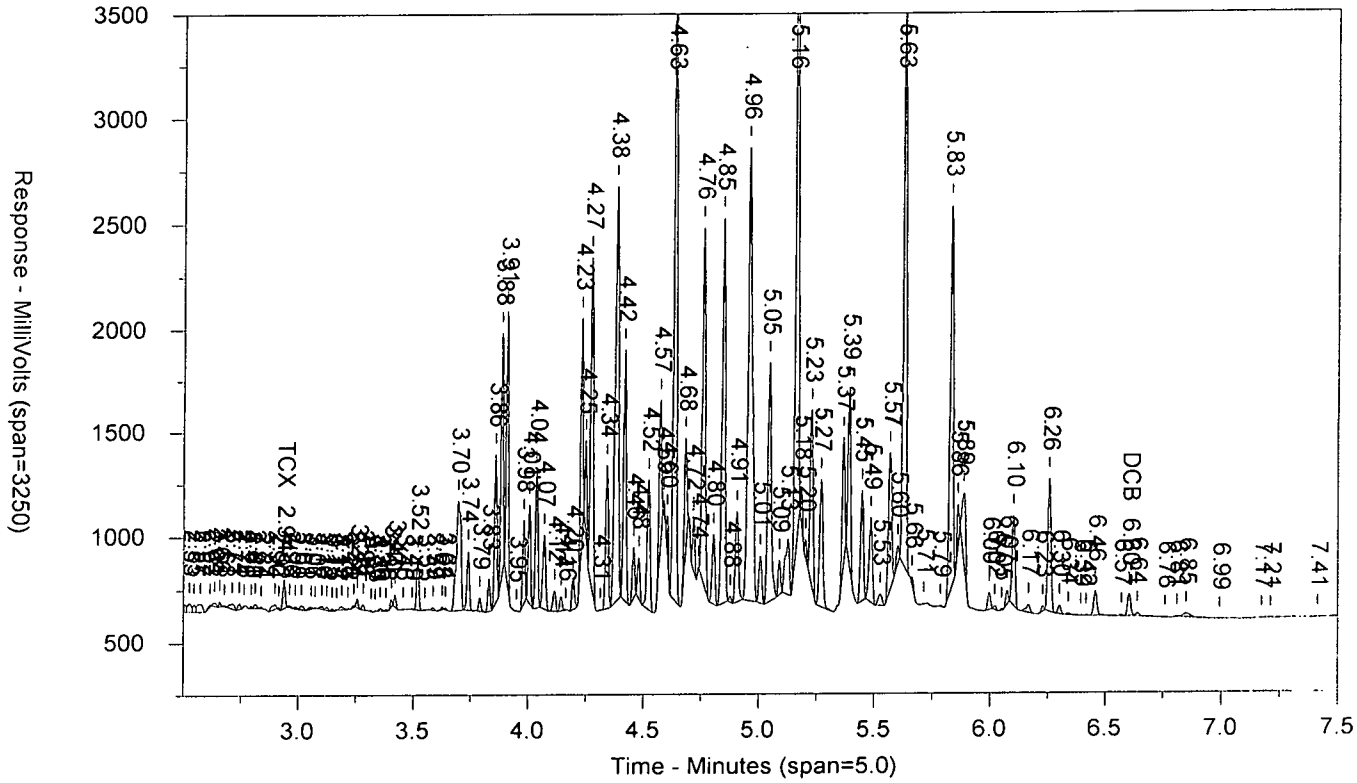

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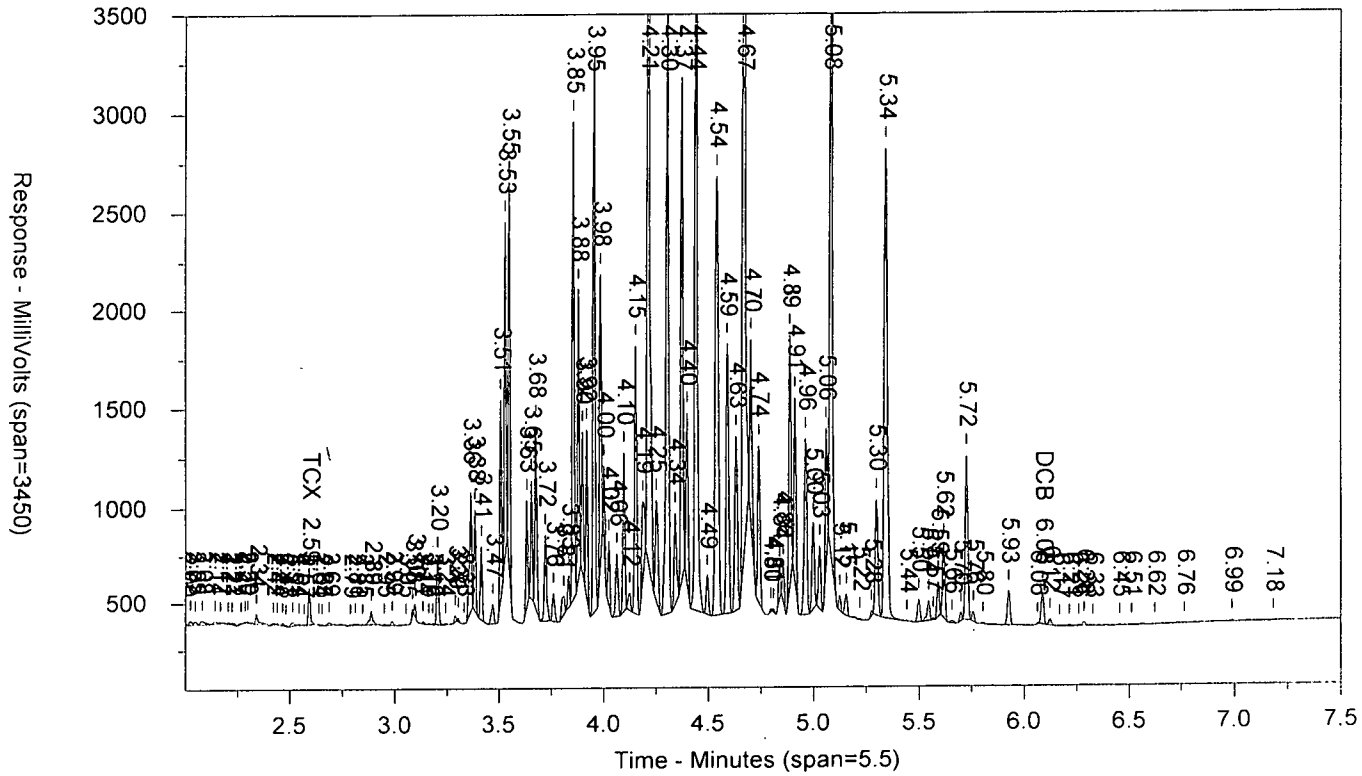

LANCASTER LABORATORIES

Sample Number: 9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 2:21:45 AM
Sample Weight: 10.26
Instrument ID: CP7-19843A
Dilution Factor: 500
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
2.938	135192	23.385	TCX	2.592	192210	29.335	TCX
6.603	104268	26.507	DCB	6.085	166197	25.795	DCB

Files:
Area File: 07pcbs17282002.0046.RAW
Area File: 07pcbs17282002B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 2:30:27 AM
File Reported On: 10/11/2017 at 2:30:42 AM

9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082

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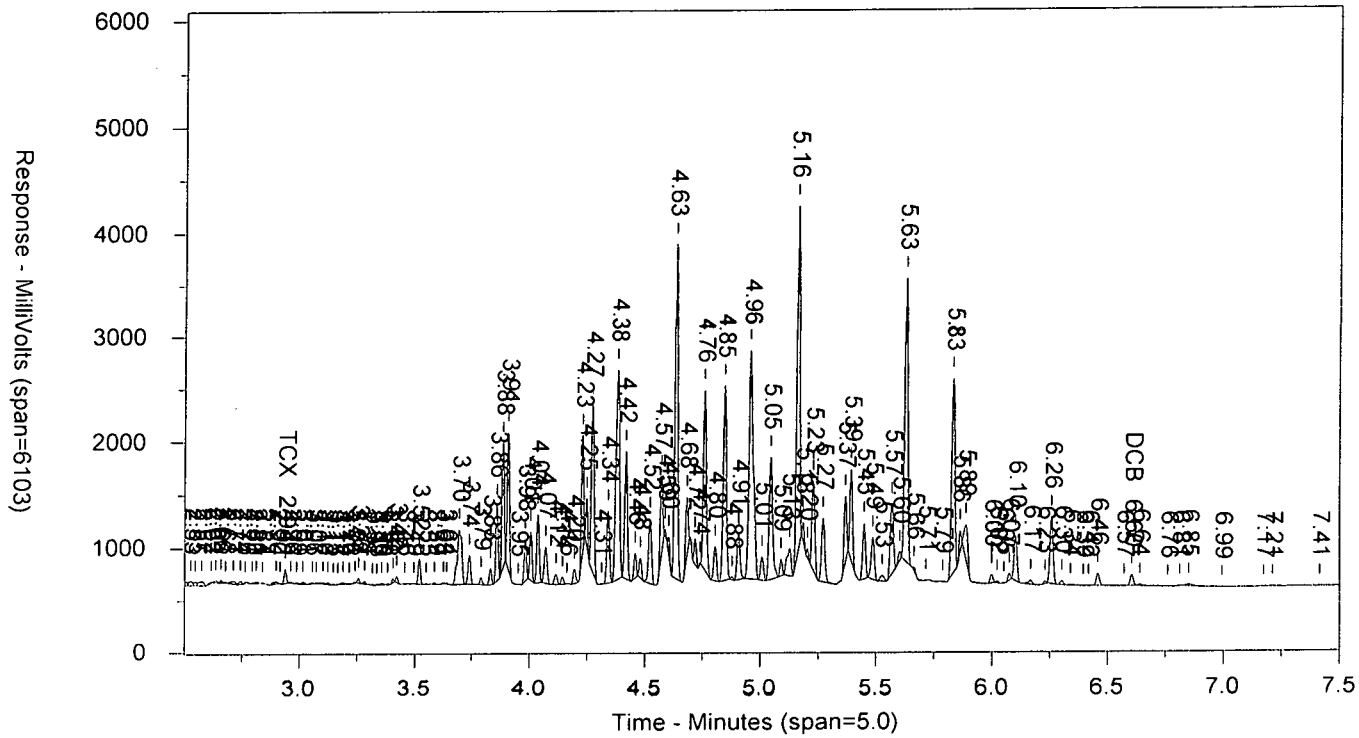

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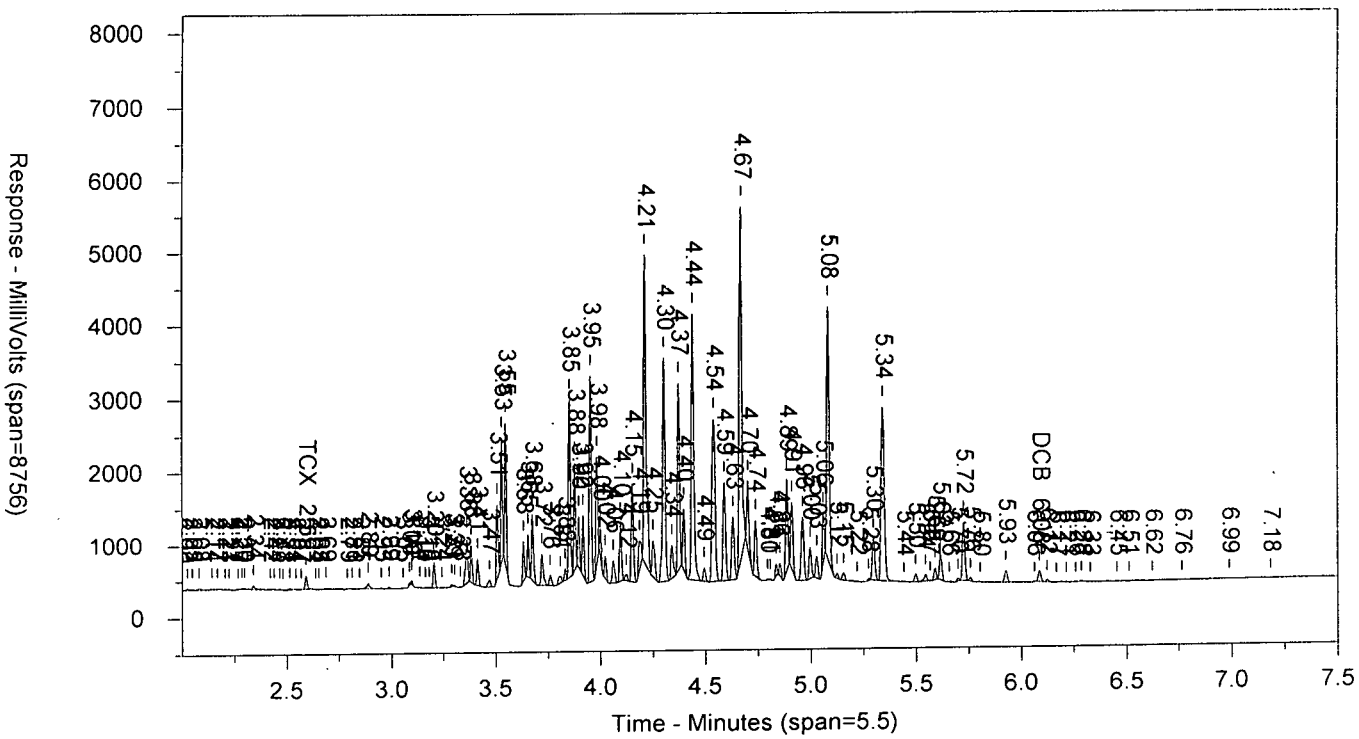

9229407 ACF DF50 AC96A18 T 172790009A 10225 SW-846 8082

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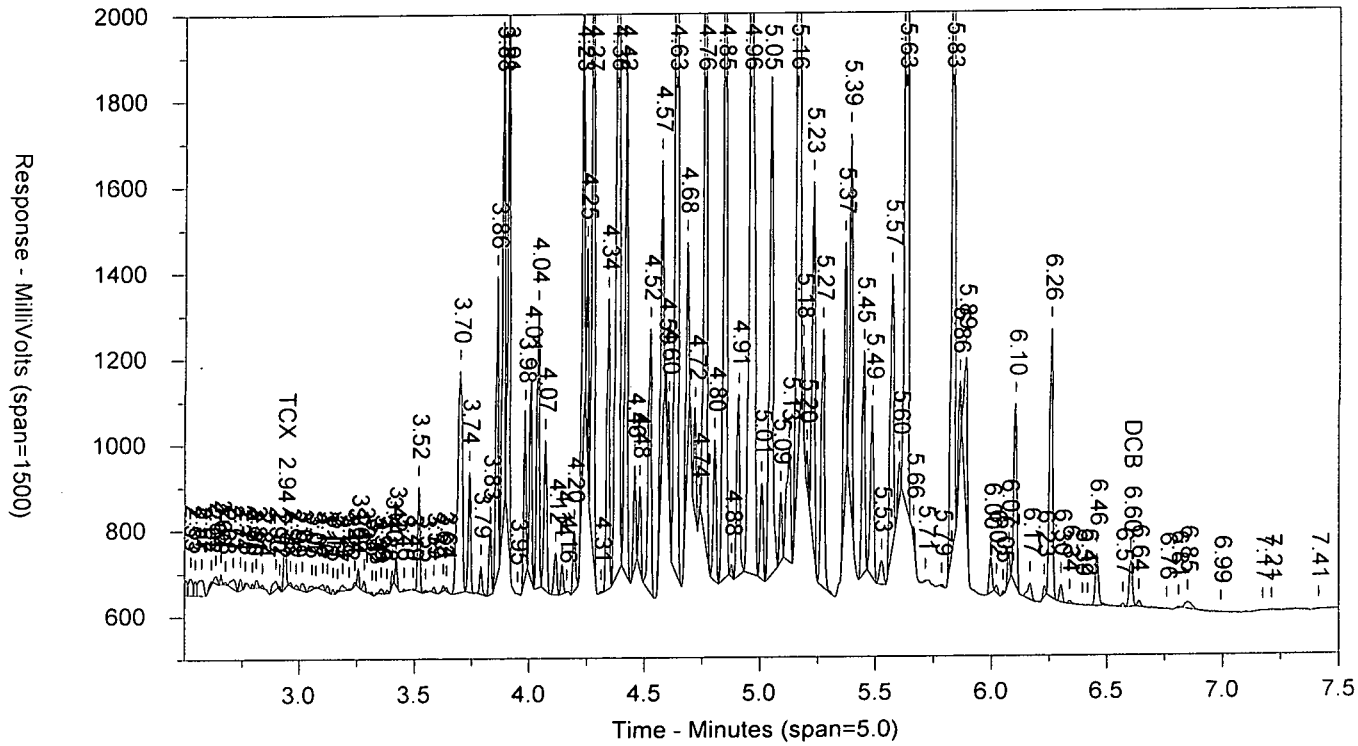

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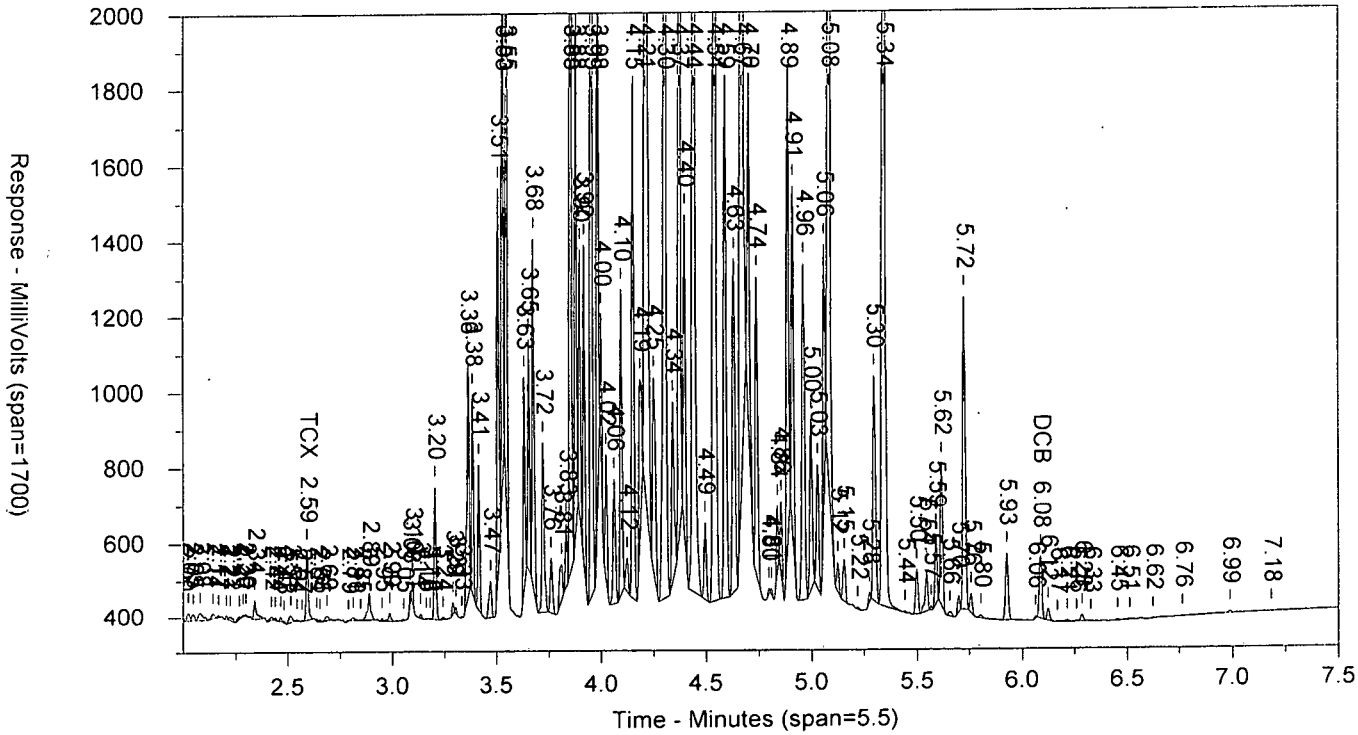

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

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

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

Number of Entries: 102

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	1728399999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1728399999	10225
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1728399999	10225
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1728399999	10225
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1728399999	10225
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1728399999	10225
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	1728399999	10225
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
25 AR2131724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
26 AR3241724A	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
27 AR4231724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
28 AR6231724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
29 AR6831724B	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
35 BLANKA 10/6/17 RI AC	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172780030A	10592
36 LCSA 10/6/17 RI ACF	36	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172780030A	10592
37 9228481 RI ACF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	10	1	0	172780030A	10592
38 9228494 RI ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	25.09	10	1	0	172780030A	10592
39 9240540 RI ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172780030A	10592
40 9240543 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172780030A	10592
41 9240546 RI ACF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.48	10	1	0	172780030A	10592
42 9240554 RI ACF	42	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172780030A	10592
43 9240554MS RI ACF	43	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172780030A	10592
44 9240554MSD RI ACF	44	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	172780030A	10592
45 9240557 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172780030A	10592
46 BLANKA 10/6/17 RI AC	46	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172780031A	10225
47 LCSA 10/6/17 RI ACF	47	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172780031A	10225
48 9229385 RI ACF DF500	48	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.23	5000	1	0	172780031A	10225
49 9229385MS ACF DF500	49	MS	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	5000	1	0	172780031A	10225
50 9229385MSD ACF DF50	50	MSD	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	5000	1	0	172780031A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

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

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

Number of Entries: 102

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9229386 RI ACF DF200	51	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.32	200000	1	0	172780031A	10225
52 9229387 RI ACF DF100	52	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	1000	1	0	172780031A	10225
53 9229388 RI ACF DF500	53	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.09	5000	1	0	172780031A	10225
54 9229389 RI ACF DF200	54	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	20000	1	0	172780031A	10225
55 AR1641724B	55	CCAL	LB	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
56 IBLKX1724B	56	PIBLK	SA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
57 9229390 RI ACF DF200	57	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.36	2000	1	0	172780031A	10225
58 9229391 RI ACF DF500	58	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.19	50000	1	0	172780031A	10225
59 9229392 RI ACF DF100	59	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	10000	1	0	172780031A	10225
60 9229393 RI ACF DF100	60	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.11	10000	1	0	172780031A	10225
61 9229394 RI ACF DF100	61	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.09	10000	1	0	172780031A	10225
62 9229395 RI ACF DF200	62	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.41	20000	1	0	172780031A	10225
63 9229396 RI ACF DF10	63	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	100	1	0	172780031A	10225
64 9229396 RI ACF DF20	64	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.17	200	1	0	172780031A	10225
65 9229397 ACF DF200	65	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	2000	1	0	172780031A	10225
66 9229397 ACF DF500	66	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	5000	1	0	172780031A	10225
67 9229398 RI ACF DF500	67	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	5000	1	0	172780031A	10225
68 9229399 RI ACF DF500	68	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.29	5000	1	0	172780031A	10225
69 BLANKA 10/7/17 RI AC	69	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172790013A	10225
70 LCSA 10/7/17 RI ACF	70	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172790013A	10225
71 9229422 RI ACF DF50	71	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.42	500	1	0	172790013A	10225
72 9229423MS RI ACF DF5	72	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.16	500	1	0	172790013A	10225
73 9229424MSD RI ACF DF	73	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	500	1	0	172790013A	10225
74 9229425 RI ACF DF50	74	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	172790013A	10225
75 9229426 ACF DF10	75	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	100	1	0	172790013A	10225
76 AR1641724B	76	CCAL	LC	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
77 IBLKX1724B	77	PIBLK	SB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
78 9229426 ACF DF20	78	T	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	200	1	0	172790013A	10225
79 9229427 ACF DF100	79	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	1000	1	0	172790013A	10225
80 9229427 ACF DF200	80	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	2000	1	0	172790013A	10225
81 9229428 RI ACF DF50	81	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	500	1	0	172790013A	10225
82 9229429 ACF DF50	82	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	500	1	0	172790013A	10225
83 9229430 RI ACF DF100	83	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	1000	1	0	172790013A	10225
84 9229430 ACF DF200	84	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	2000	1	0	172790013A	10225
85 9229450 RI ACF DF50	85	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	500	1	0	172790013A	10225
86 9229451 RI ACF DF50	86	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	500	1	0	172790013A	10225
87 9229452 RI ACF DF200	87	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	2000	1	0	172790013A	10225
88 9229453 RI ACF DF100	88	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.49	1000	1	0	172790013A	10225
89 9229454 RI ACF DF50	89	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	172790013A	10225
90 9229455 RI ACF DF50	90	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	500	1	0	172790013A	10225
91 9229456 RI ACF DF100	91	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	1000	1	0	172790013A	10225
92 9229457 RI ACF DF50	92	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	172790013A	10225
93 9229458 RI ACF DF50	93	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
94 9229459 RI ACF DF50	94	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
95 9229460 RI ACF	95	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	10	1	0	172790013A	10225
96 AR1641724B	96	CCAL	LD	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
97 IBLKX1724B	97	PIBLK	SC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225
98 9229460 RI ACF DF5	98	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	50	1	0	172790013A	10225
99 9229461 RI ACF DF50	99	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	500	1	0	172790013A	10225
100 9229462 RI ACF DF20	100	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	200	1	0	172790013A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

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

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

Number of Entries: 102

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101	AR1641724B	101	CCAL	LE	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728399999	10225
102	IBLKX1724B	102	PIBLK	SD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728399999	10225

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10/12/17

Set-up by: [illegible] Date: 12OCT17

10/12/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17282001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 34

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	1728199999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	
5 IBLKX1724B	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728199999	10227
6 EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
7 AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1728199999	10736
8 AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1728199999	10736
9 AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1728199999	10736
10 AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1728199999	10736
11 AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1728199999	10736
12 AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1728199999	10736
13 AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
14 AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
15 AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
16 AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
17 AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
18 AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
19 AR5411724C	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
20 AR5421724C	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
21 AR5431724C	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
22 AR5441724C	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
23 AR5451724C	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
24 AR5461724B	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
25 AR6231724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
26 AR6831724B	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
27 AR2131724A	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
28 AR3241724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
29 AR4231724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
30 MD16X1724B	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
31 IC16X1724C	31	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
32 AR16XX1724B	32	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
33 IC48X1724B	33	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736
34 IC54X1724B	34	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728199999	10736

Set-up by: 2855 Date: 10 Oct 17

10/10/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17282002.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 95

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	1728299999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	
5 AR1641724B	5	CCAL	KG	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
6 IBLKX1724B	6	PIBLK	QR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
7 9238122MSD RI ACF	7	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.21	10	1	0	172770038A	10885
8 9238124 RI ACF	8	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.09	10	1	0	172770038A	10885
9 9238125 RI ACF	9	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.19	10	1	0	172770038A	10885
10 9238126 RI ACF	10	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172770038A	10885
11 9238127 RI ACF	11	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.01	10	1	0	172770038A	10885
12 9238128 RI ACF	12	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.4	10	1	0	172770038A	10885
13 9238129 RI ACF	13	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.37	10	1	0	172770038A	10885
14 9238130 RI ACF	14	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.34	10	1	0	172770038A	10885
15 9238131 RI ACF	15	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	10	1	0	172770038A	10885
16 9238132 RI ACF	16	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.27	10	1	0	172770038A	10885
17 AR1641724B	17	CCAL	KH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
18 IBLKX1724B	18	PIBLK	QS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
19 9235497 RI ACF	19	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172770034A	10885
20 9235498 RI ACF	20	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.17	10	1	0	172770034A	10885
21 9235498MS RI ACF	21	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.3	10	1	0	172770034A	10885
22 9235498MSD RI ACF	22	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172770034A	10885
23 9235499 RI ACF	23	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.37	10	1	0	172770034A	10885
24 9235501 RI ACF	24	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	10	1	0	172770034A	10885
25 9235503 RI ACF	25	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30:28	10	1	0	172770034A	10885
26 9235504 RI ACF	26	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.13	10	1	0	172770034A	10885
27 9235505 RI ACF DF10	27	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	100	1	0	172770034A	10885
28 9235506 RI ACF DF5	28	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.15	50	1	0	172770034A	10885
29 9235507 RI ACF	29	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172770034A	10885
30 9235509 ACF DF20	30	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.03	200	1	0	172770034A	10885
31 9235511 RI ACF	31	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.39	10	1	0	172770034A	10885
32 9235512 RI ACF	32	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172770034A	10885
33 9235513 RI ACF DF5	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	50	1	0	172770034A	10885
34 9235514 RI ACF DF5	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	50	1	0	172770034A	10885
35 AR1641724B	35	CCAL	KI	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
36 IBLKX1724B	36	PIBLK	QT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
37 BLANKA 10/7/17 ACF	37	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172790009A	10225
38 LCSA 10/7/17 ACF	38	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172790009A	10225
39 9229400 ACF DF20	39	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	200	1	0	172790009A	10225
40 9229401MS ACF DF20	40	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.07	200	1	0	172790009A	10225
41 9229402MSD ACF DF20	41	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	200	1	0	172790009A	10225
42 9229403 ACF DF20	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.39	200	1	0	172790009A	10225
43 9229404 ACF DF50	43	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.27	500	1	0	172790009A	10225
44 9229405 ACF DF20	44	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.46	200	1	0	172790009A	10225
45 9229406 ACF DF20	45	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.2	200	1	0	172790009A	10225
46 9229407 ACF DF50	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	500	1	0	172790009A	10225
47 AR1641724B	47	CCAL	KJ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
48 IBLKX1724B	48	PIBLK	QU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
49 9229411 ACF DF200	49	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	2000	1	0	172790009A	10225
50 9229412 ACF DF200	50	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.45	2000	1	0	172790009A	10225

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17282002.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 95

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51 9229412 ACF DF500	51	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.45	5000	1	0	172790009A	10225
52 9229413 ACF DF200	52	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	2000	1	0	172790009A	10225
53 9229413 ACF DF500	53	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	5000	1	0	172790009A	10225
54 9229414 ACF DF200	54	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	2000	1	0	172790009A	10225
55 9229414 ACF DF500	55	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	5000	1	0	172790009A	10225
56 9229415 ACF DF100	56	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	1000	1	0	172790009A	10225
57 9229416 ACF DF200	57	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	2000	1	0	172790009A	10225
58 9229417 ACF DF100	58	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.37	1000	1	0	172790009A	10225
59 AR1641724B	59	CCAL	KK	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
60 IBLKX1724B	60	PIBLK	QV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
61 9229418 ACF DF200	61	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	2000	1	0	172790009A	10225
62 9229418 ACF DF500	62	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	5000	1	0	172790009A	10225
63 9229419 ACF DF100	63	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	1000	1	0	172790009A	10225
64 9229419 ACF DF200	64	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	2000	1	0	172790009A	10225
65 9229420 ACF DF500	65	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.11	5000	1	0	172790009A	10225
66 9229421 ACF DF100	66	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.18	1000	1	0	172790009A	10225
67 9249186 ACF DF5	67	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	50	1	0	172790009A	10225
68 BLANKA 10/7/17 AF	68	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	10	1	0	172790014A	13713
69 LCSA 10/7/17 AF	69	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	10	1	0	172790014A	13713
70 9234892 AF DF10	70	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	100	1	0	172790014A	13713
71 AR1641724B	71	CCAL	KL	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
72 IBLKX1724B	72	PIBLK	QW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
73 9234893 AF DF10	73	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	100	1	0	172790014A	13713
74 9234894 AF DF20	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	200	1	0	172790014A	13713
75 9234895 AF DF10	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	100	1	0	172790014A	13713
76 9234896 AF DF10	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	100	1	0	172790014A	13713
77 9234897 AF DF10	77	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	100	1	0	172790014A	13713
78 9234898 AF DF5	78	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	50	1	0	172790014A	13713
79 9234899 AF DF5	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	50	1	0	172790014A	13713
80 9234900 AF DF10	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	100	1	0	172790014A	13713
81 9234901 AF DF5	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	50	1	0	172790014A	13713
82 9234902 AF DF5	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	50	1	0	172790014A	13713
83 AR1641724B	83	CCAL	KM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
84 IBLKX1724B	84	PIBLK	QX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736
85 9234903 AF DF5	85	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	50	1	0	172790014A	13713
86 9234904 AF DF20	86	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	200	1	0	172790014A	13713
87 9234905 AF DF10	87	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	100	1	0	172790014A	13713
88 9234906 AF DF20	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	200	1	0	172790014A	13713
89 9234907 AF DF10	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	100	1	0	172790014A	13713
90 9234908 AF DF5	90	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	50	1	0	172790014A	13713
91 9234909 AF DF10	91	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	100	1	0	172790014A	13713
92 9234910MS AF DF10	92	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	100	1	0	172790014A	13713
93 9234911MSD AF DF10	93	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	100	1	0	172790014A	13713
94 AR1641724B	94	CCAL	KN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728299999	10736
95 IBLKX1724B	95	PIBLK	QY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728299999	10736

9006
10/11/17

Set-up by: 2855 Date: 10oct17

10/10/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 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: 25PCBS17284001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12889	12338
2.085		7014	12517
2.158		663	788
2.23		14519	12307
2.293		915	733
2.329		12950	12909
2.367		953	1431
2.431		1438	1174
2.49		9036	8752
2.529		1425	1584
2.605		495	410
2.657		365	442
2.734		568	345
2.745		1356	818
2.777		8504	7435
2.851		2039	1542
2.895		6729	5385
2.929	TCX	2951316	2009645
3.026		1087	699
3.079		609	574
3.126		36906	25141
3.177		1409	1326
3.258		12094	12634
3.381		855	789
3.441		378	279
3.465		512	327
3.507		2697	2436
3.539		793	608
3.568		6933	4973
3.603		5992	5670
3.656		1855	1155
3.674		909	564
3.729		2220	1824
3.782		2853	2762
3.823		1672	1690
3.896		357	136
3.928		7833	8747
4.026		592	469
4.063		4635	5737
4.104		1754	1442
4.167		3069	3225
4.213		1990	2525
4.265		8829	15802
4.336		350	250
4.371		3753	4378
4.468		1773	1402
4.515		6216	6378
4.567		6110	6185
4.61		7350	8653
4.675		494	114
4.709		2471	2102
4.744		749	585
4.793		1298	1379
4.835		1389	1412

RT A	Compound A	Height A	Area A
4.872		30198	29806
4.966		9790	12148
5		1405	948
5.033		494	376
5.058		6044	5869
5.112		48437	44973
5.196		1756	3368
5.248		452	247
5.286		417	164
5.322		8898	12109
5.361		753	630
5.381		1129	1026
5.405		452	219
5.444		691	883
5.475		3601	4842
5.516		24483	25380
5.564		505	449
5.642		64577	69476
5.721		3060	3443
5.777		558	574
5.823		1713	1525
5.885		774	2161
5.957		6985	9244
6.014		41837	42226
6.078		66139	87366
6.193		33821	187051
6.45		24384	23331
6.511		4694	7218
6.6	DCB	1738580	1820466
6.774		2471	11144
6.832		4547	8960
6.883		12079	44040

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 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: 25PCBS17284001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		11574	8824
2.144		5375	9835
2.189		6561	9635
2.274		1669	1362
2.409		2781	3532
2.466		8764	58244
2.548		33623	56200
2.614	TCX	5245995	3058044
2.703		2268	3075
2.832		73971	48767
2.899		3296	2981
2.948		12477	8319
3.009		2771	2503
3.068		1636	5005
3.126		1083	3275
3.149		504	208
3.159		839	296
3.176		366	61
3.203		1056	341
3.213		848	139
3.229		4345	2660
3.263		1065	372
3.291		17385	11448
3.316		2739	1424
3.327		2672	1201
3.347		747	236
3.354		3928	1662
3.381		5170	5574
3.427		3975	2692
3.453		1754	868
3.475		231	70
3.494		6113	4633
3.526		613	140
3.538		4024	1915
3.553		517	119
3.569		1449	692
3.586		2456	1848
3.603		1730	1262
3.637		2818	3700
3.648		871	213
3.657		969	274
3.677		1201	578
3.701		538	224
3.707		620	109
3.713		766	201
3.728		6617	4100
3.757		9399	6400
3.787		3522	2883
3.833		3099	2621
3.858		3702	2145
3.882		12666	17071
3.946		7753	7195
3.99		1150	478
4.023		9724	7187

RT B	Compound B	Height B	Area B
4.076		8323	8700
4.109		3211	1970
4.132		3484	1811
4.151		16108	12794
4.218		6336	5898
4.273		1252	802
4.318		1106	1971
4.331		3982	2373
4.365		5222	10706
4.437		67378	64831
4.562		7322	6184
4.582		1313	804
4.618		12408	9215
4.664		95994	84797
4.717		2692	5312
4.742		1951	1988
4.815		976	724
4.839		1915	1254
4.873		858	942
4.912		4302	3694
4.935		2019	1619
4.972		6351	5484
5.023		2224	3350
5.034		2835	1016
5.055		41104	31323
5.132		1598	1664
5.177		101118	88797
5.249		4252	9059
5.318		1729	5787
5.338		6583	6159
5.371		4447	5093
5.463		2685	2644
5.518		92463	87170
5.585		138863	123922
5.635		31660	28596
5.679		1661	1040
5.726		1127	1762
5.746		1320	458
5.764		1394	1175
5.8		4244	4861
5.839		1890	2510
5.873		2830	2943
5.916		1448	2293
5.94		64100	55625
5.977		3123	3799
6.021		1845	2007
6.054		4472	4085
6.098	DCB	5456633	4629189
6.166		16413	27153
6.257		3978	8677
6.289		4193	4426
6.341		1106	1945
6.362		1285	1093
6.372		2103	1522
6.414		1192	920
6.434		982	1038
6.484		1044	1236
6.518		2987	3821
6.551		7066	5958
6.595		1458	408
6.609		862	438
6.621		2327	2175
6.687		513	1224
6.731		5394	10215
6.793		5251	14173
6.863		1922	4649

RT B	Compound B	Height B	Area B
6.892		3624	7769
6.962		2139	1601

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

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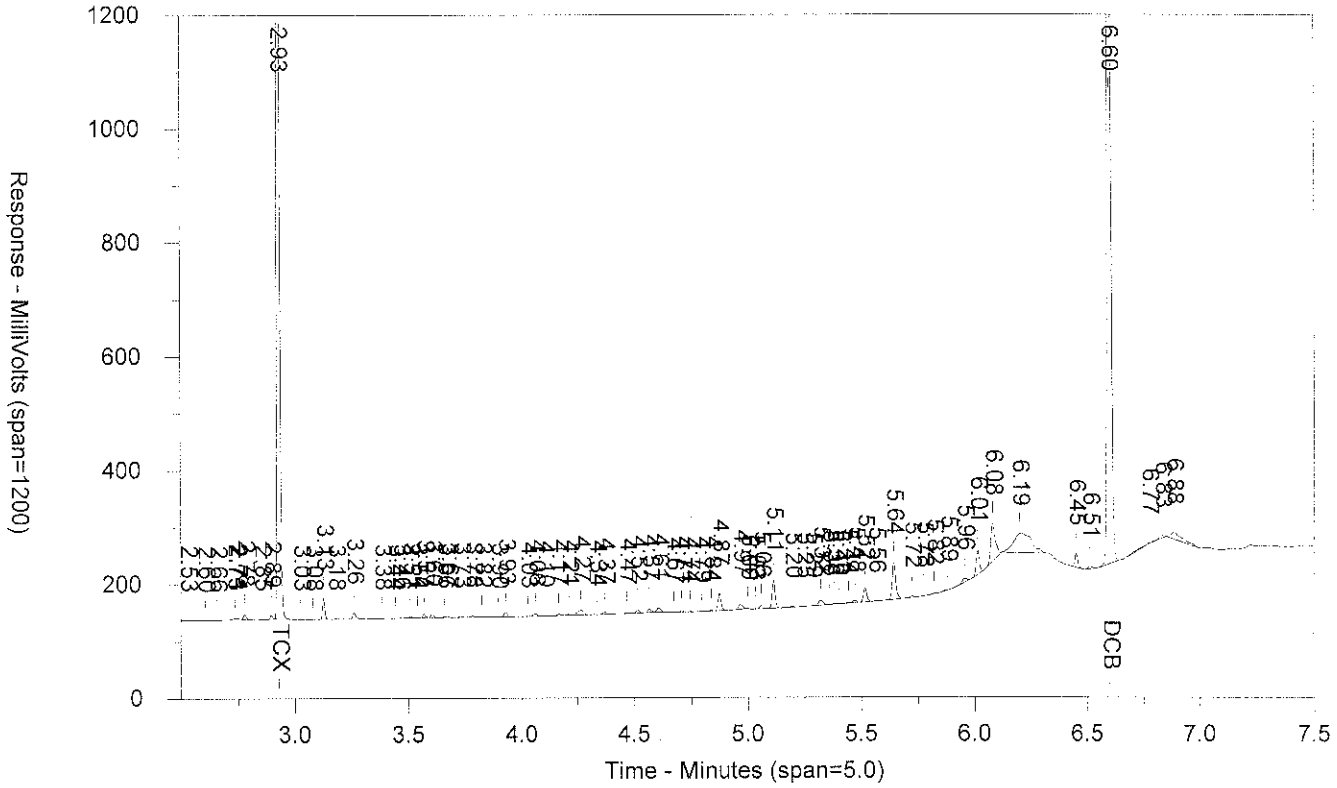

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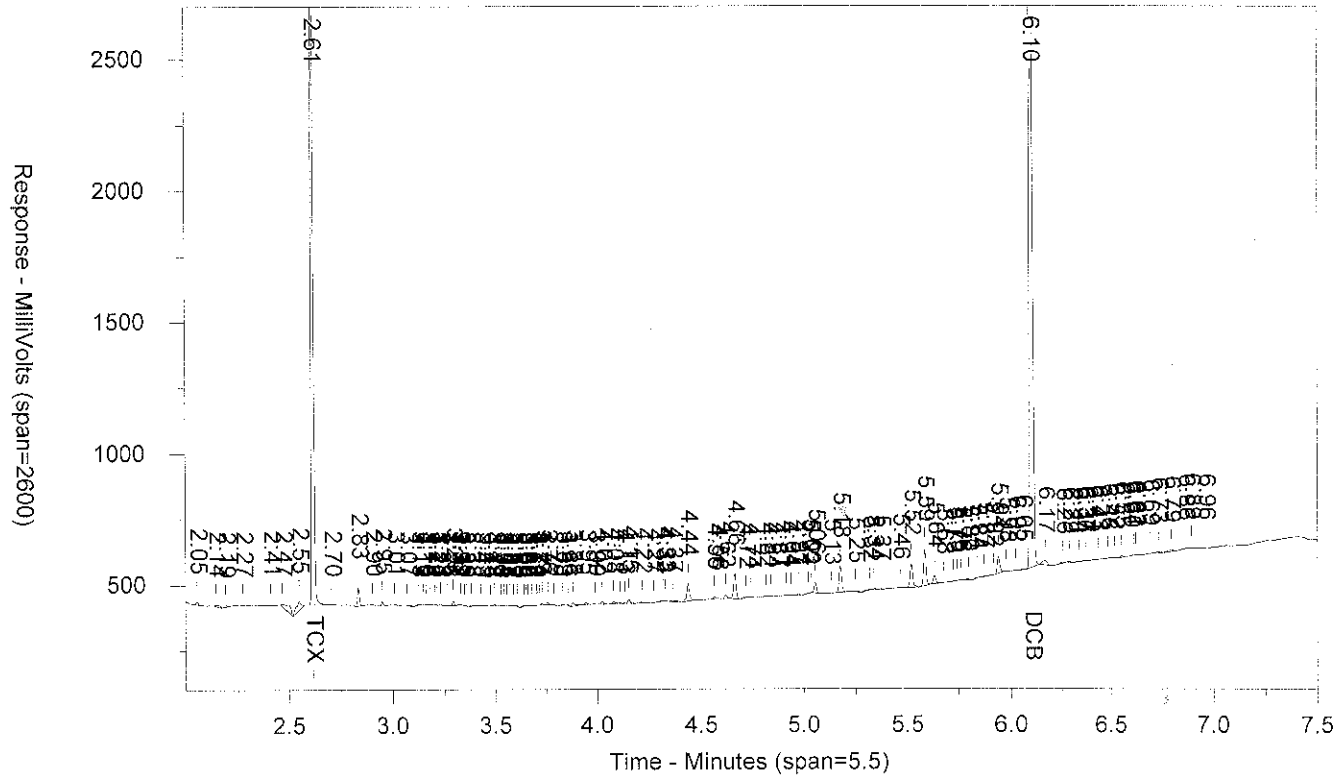

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:02:31 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.929	2951316	.196	TCX	2.614	5245995	.193	TCX
6.6	1738580	.18	DCB	6.098	5456633	.18	DCB

Files:
Area File: 25PCBS17284001.005.RAW
Area File: 25PCBS17284001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:12 PM
File Reported On: 10/12/2017 at 3:32:48 PM

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

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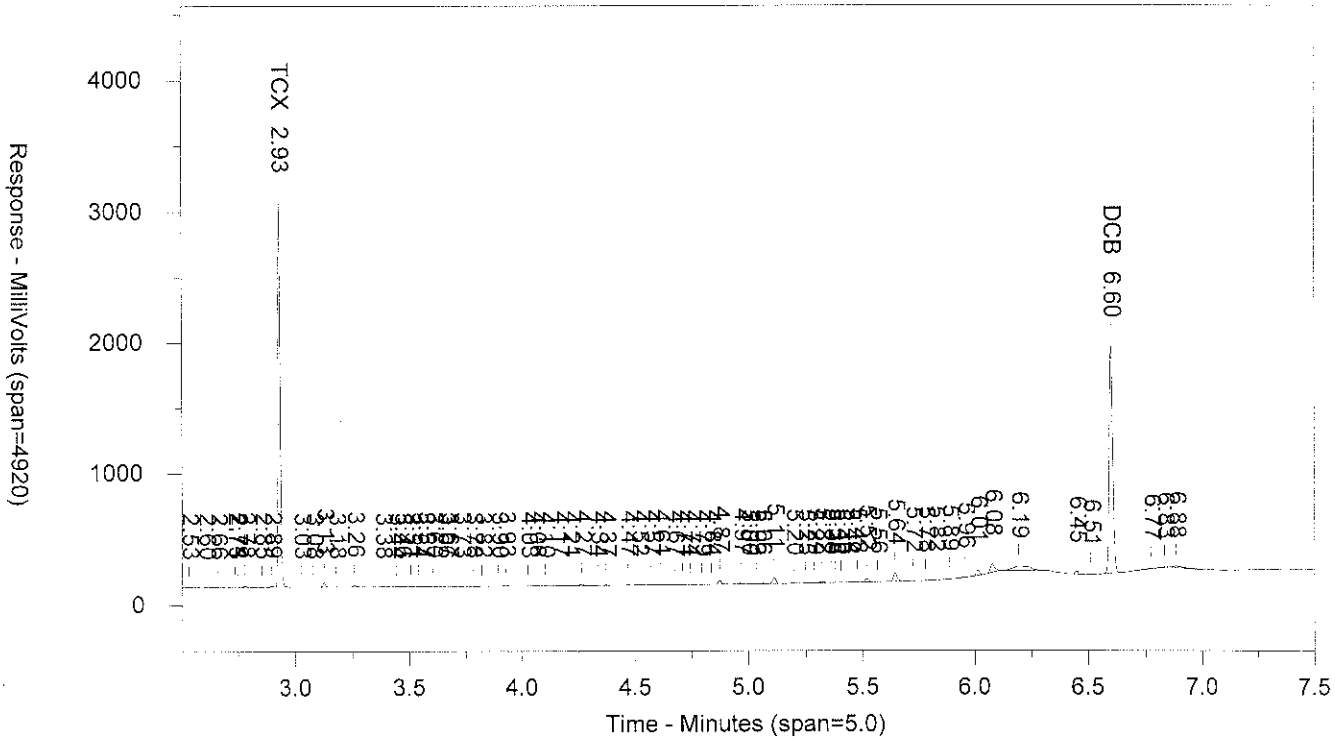

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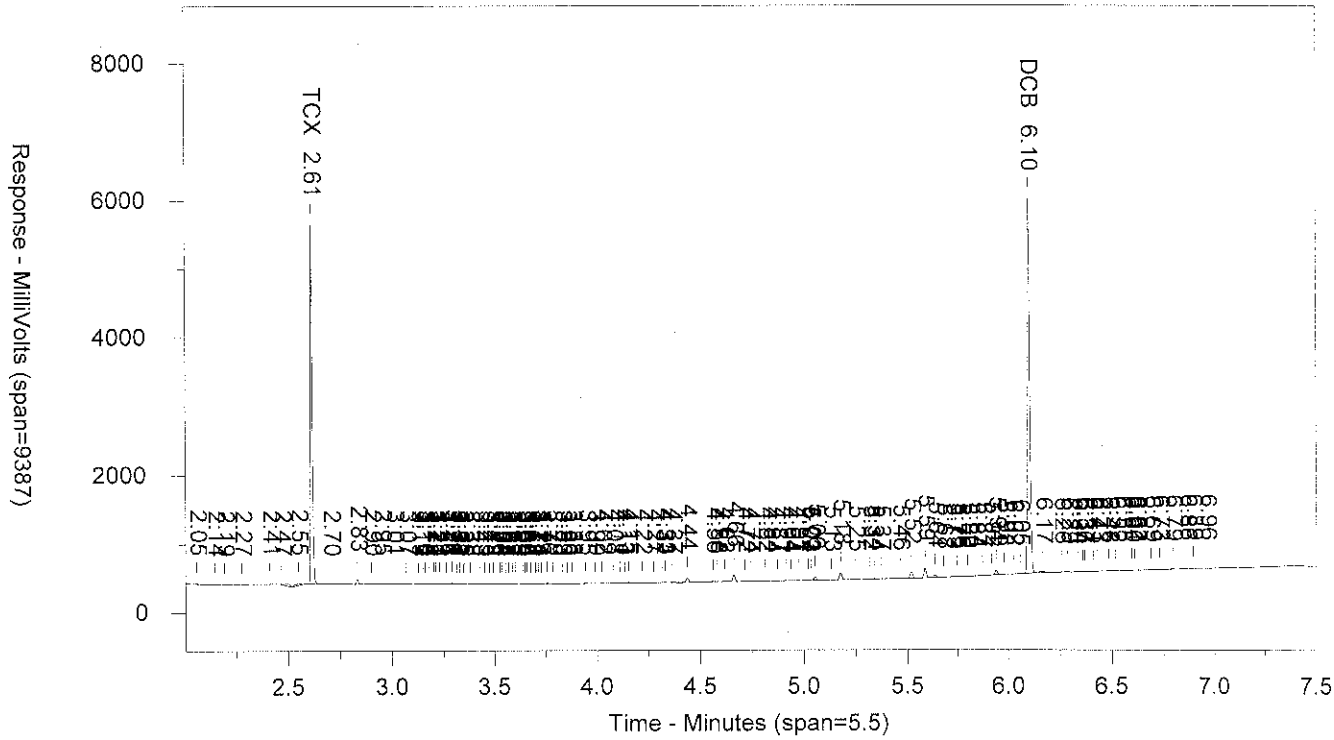

IBLKX1724B AAPIBLKAA PIBLK1728399999 10225 SW-846 8082

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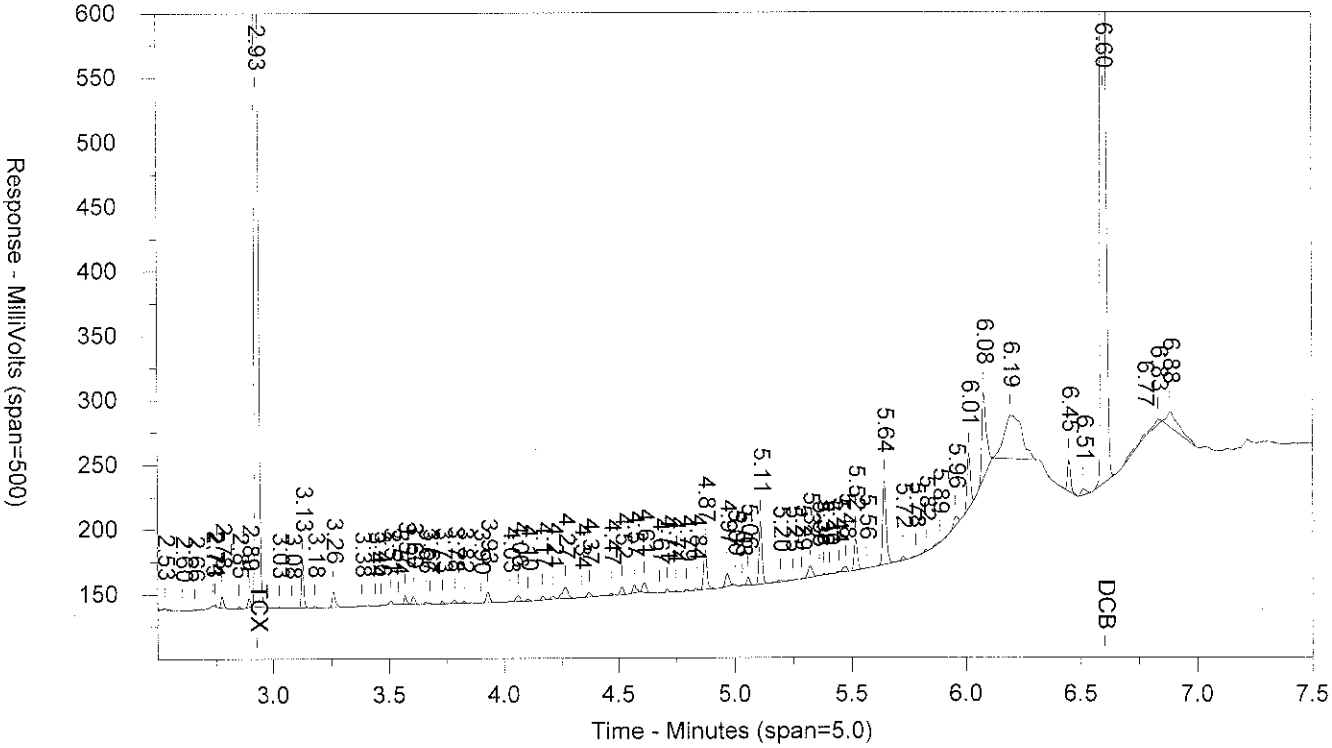

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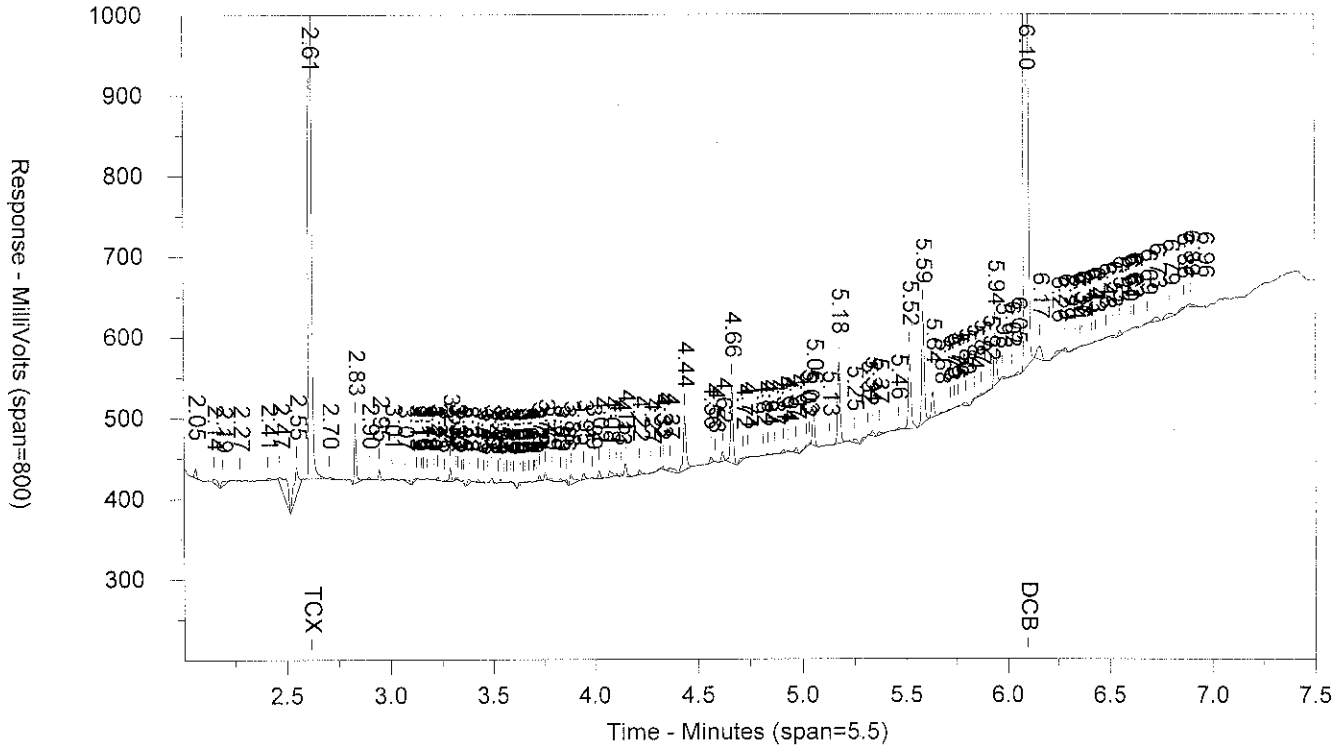

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 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: 25PCBS17284001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		9997	10772
2.084		8367	13069
2.128		7716	5331
2.206		3170	2064
2.23		13876	10481
2.298		645	532
2.333		54153	40808
2.433		1258	862
2.502		68705	50027
2.531		1273	1222
2.606		673	697
2.659		930	925
2.677		575	168
2.745		3148	5706
2.777		9194	8235
2.853		802	567
2.874		284	110
2.895		4432	3297
2.93	TCX	2984683	2049226
3.02		1283	1142
3.078		556	532
3.127		37377	25985
3.159		512	231
3.177		890	496
3.207		1705312	1132724
3.258		9694	9343
3.307		5162	3744
3.36		1817	1693
3.404		1338466	892004
3.441		34828	25332
3.489		638	413
3.516		560137	395234
3.569		14079	10313
3.604		3632	3354
3.629		849	322
3.692		63511	54365
3.716		1975	1961
3.764		1442	1109
3.782		1528	1111
3.81		123409	93682
3.838		6266	3448
3.855		2147	1033
3.927		6975	6709
3.959		3070	2113
3.997		3278	3452
4.046		9189	6593
4.078		13834	11729
4.104		533	189
4.124		13049	10834
4.167		119090	95907
4.218		29408	35065
4.25		2855	2078
4.271		2908	2261
4.34		5959	6360

RT A	Compound A	Height A	Area A
4.377		115761	104503
4.434		417	192
4.465		1409	992
4.494		5620	6894
4.527		79857	73914
4.57		74936	63188
4.611		4110	3955
4.641		1242	691
4.693		107992	104224
4.766		1514	947
4.794		112031	102715
4.832		3223259	2967000
4.879		46223	44068
4.936		285101	261264
4.97		4335	4200
5.02		124089	142766
5.06		1553	833
5.084		180886	164030
5.114		38443	30373
5.14		2573	1235
5.172		3497638	3239062
5.25		9765	8971
5.274		4683	3340
5.325		5257	6869
5.359		815	319
5.391		305527	365379
5.478		4403	3501
5.531		3911455	3816187
5.571		82474	65453
5.612		414300	388027
5.643		48654	42797
5.759		463	420
5.794		1175	805
5.821		1854	1798
5.869		2097	3428
5.96		3976	5952
6.015		45913	46556
6.079		67303	80417
6.168		568	1133
6.251		2074	3185
6.29		1396	2369
6.399		320	6593
6.454		28162	33868
6.52		2968	4585
6.602	DCB	1916549	1987157
6.663		955	713
6.696		461	188
6.723		517	182
6.745		835	812
6.774		1448	1330
6.856		413	292
6.887		8619	23665

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 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: 25PCBS17284001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		11660	9731
2.111		1917	2096
2.153		92554	62639
2.184		4270	2548
2.206		5787	4094
2.247		3225	3439
2.275		3821	5030
2.32		128392	77743
2.368		2270	1557
2.41		3474	3904
2.466		2769	2157
2.548		22944	30134
2.614	TCX	5321719	3116648
2.703		4563	5327
2.781		3342	3897
2.802		3103	3560
2.832		75209	47236
2.888		12426	11413
2.925		1361	1079
2.96		3015958	1630289
3.053		3432	2694
3.077		13550	9820
3.113		72833	44650
3.132		830	300
3.169		2300169	1305773
3.237		21585	16529
3.271		6604	4822
3.292		9014	4574
3.313		2689	1420
3.328		6980	3309
3.35		1089343	615240
3.379		4848	4346
3.407		2009	1109
3.433		27662	15675
3.451		21966	11545
3.473		319518	204348
3.504		9994	6051
3.547		13976	14897
3.567		3569	1628
3.586		15254	12859
3.627		7441	3710
3.653		1922	3062
3.672		6066	3311
3.687		804	594
3.717		1151	622
3.728		8656	3618
3.763		245125	156605
3.78		8278	3045
3.795		17209	7634
3.811		20011	9771
3.841		17658	11096
3.86		61208	36282
3.883		17412	9528
3.948		9160	7786

RT B	Compound B	Height B	Area B
3.974		6394	3522
3.995		247981	167710
4.024		20774	13989
4.076		7705	8224
4.093		3798	1662
4.109		4289	1835
4.127		12210	7303
4.149		144753	114646
4.194		12337	9434
4.221		3561	2209
4.244		176885	140577
4.301		2165	1849
4.314		1337	733
4.329		2936	1521
4.368		214033	176416
4.425		6852888	5091763
4.466		114922	90237
4.519		694907	554917
4.561		26920	18133
4.58		6512	5105
4.63		224819	179457
4.664		89956	66144
4.696		7351977	5567476
4.755		380809	306647
4.787		10037	7468
4.816		2059	1002
4.867		24185	22897
4.905		17263	14858
4.936		2195	1517
4.976		6567	4468
5.023		470390	421542
5.055		24256	15177
5.125		7898498	6619656
5.179		127967	118155
5.243		2744	3320
5.301		974813	819669
5.356		56687	49625
5.424		1010	596
5.46		1132	1175
5.519		95465	85681
5.587		140981	126201
5.636		33612	28196
5.687		1464	1661
5.72		1785	1810
5.76		1801	2544
5.799		3844	5836
5.874		3502	10673
5.916		1542	2098
5.941		73057	60741
5.977		3274	3936
6.028		2580	1712
6.056		5685	5512
6.099	DCB	5957113	5066872
6.164		22932	36374
6.219		719	469
6.269		2303	9553
6.288		1486	903
6.337		1670	2276
6.354		1377	936
6.647		104472	963710
6.79		9253	12472
6.852		1639	1706
6.882		1856	1375
6.898		4155	4337
6.942		1884	678
6.957		2197	1082

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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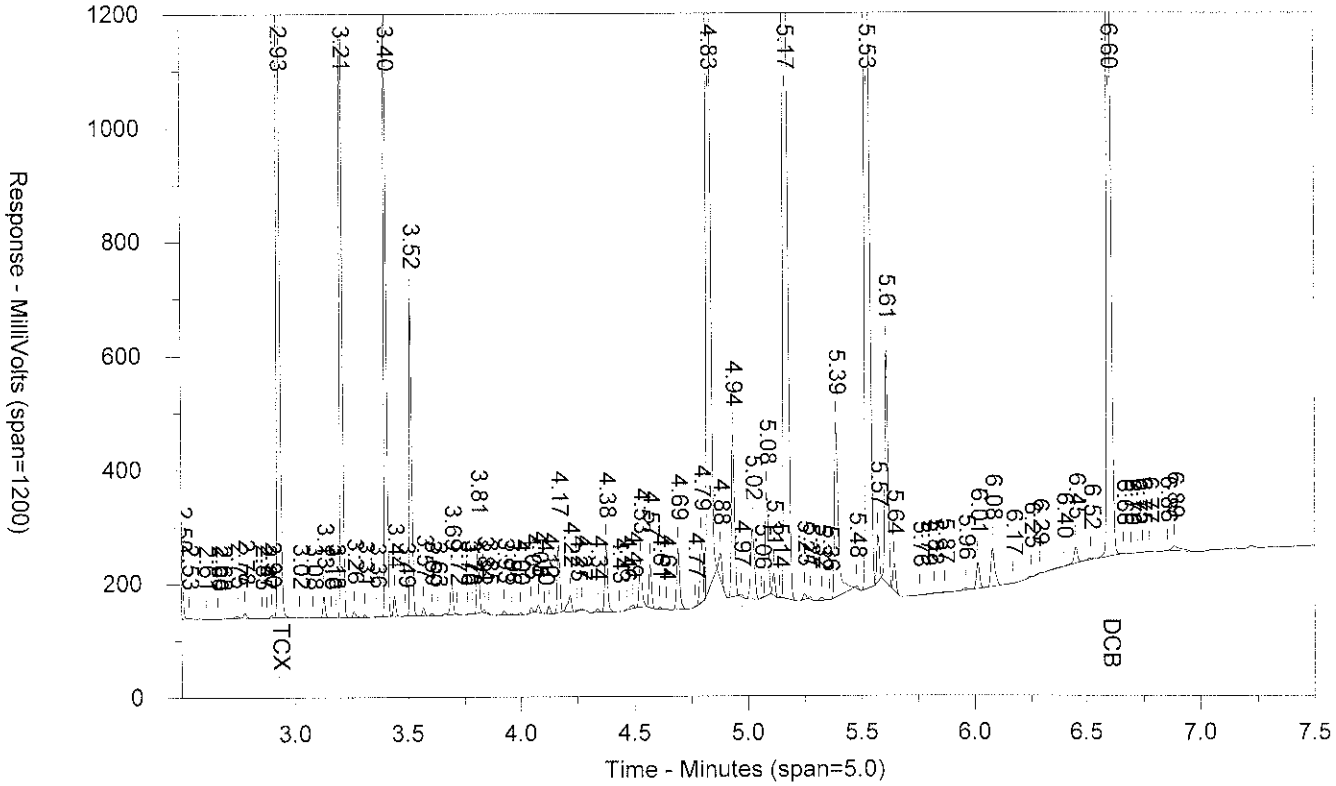

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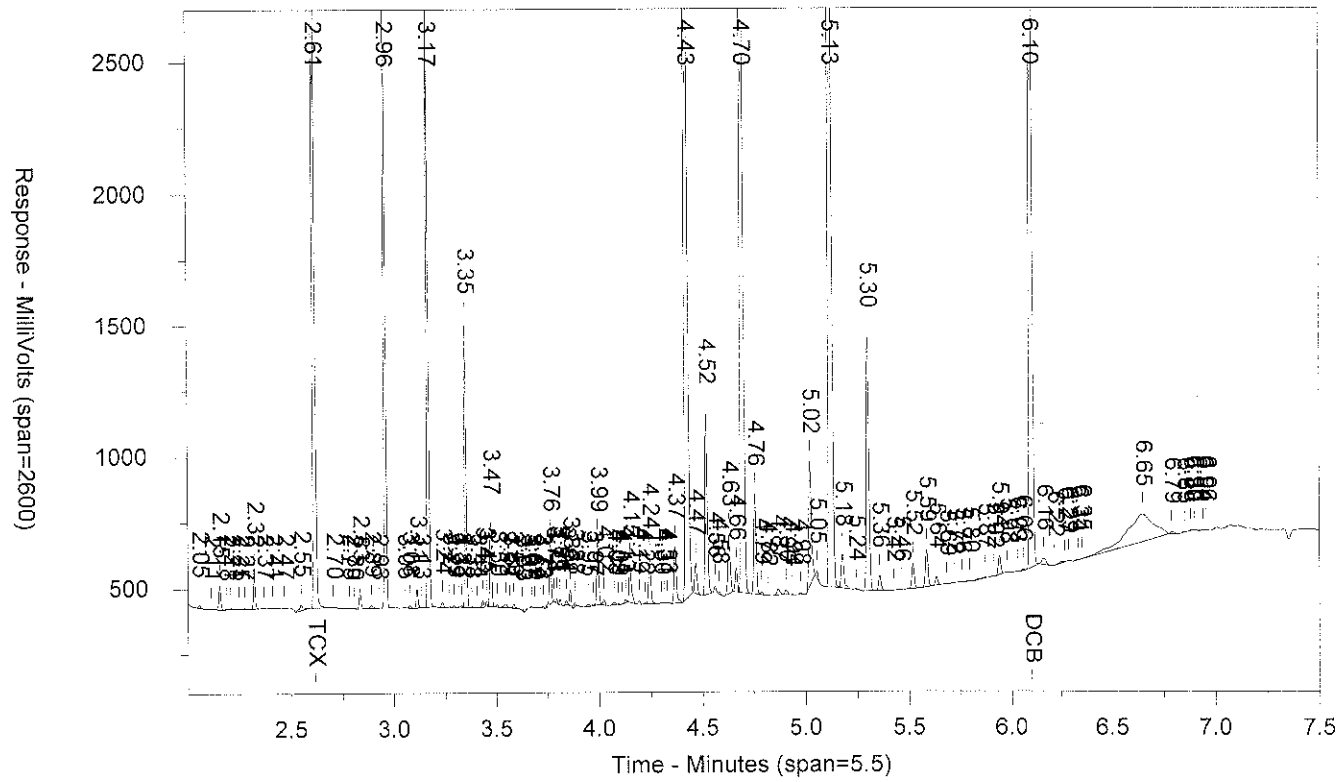

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:13:49 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
2.93	2984683	19.783	TCX	2.614	5321719	19.534	TCX
6.602	1916549	19.883	DCB	6.099	5957113	19.678	DCB

Files:
Area File: 25PCBS17284001.006.RAW
Area File: 25PCBS17284001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:33:02 PM

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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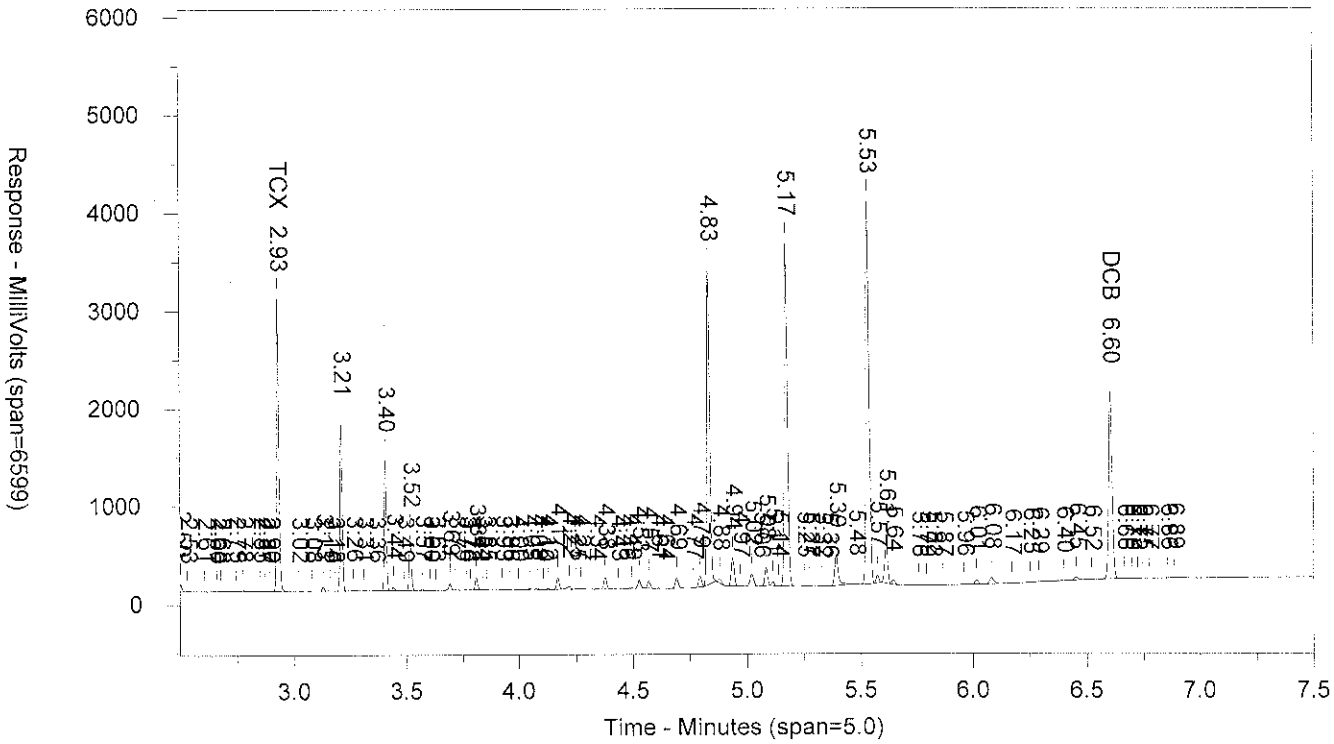

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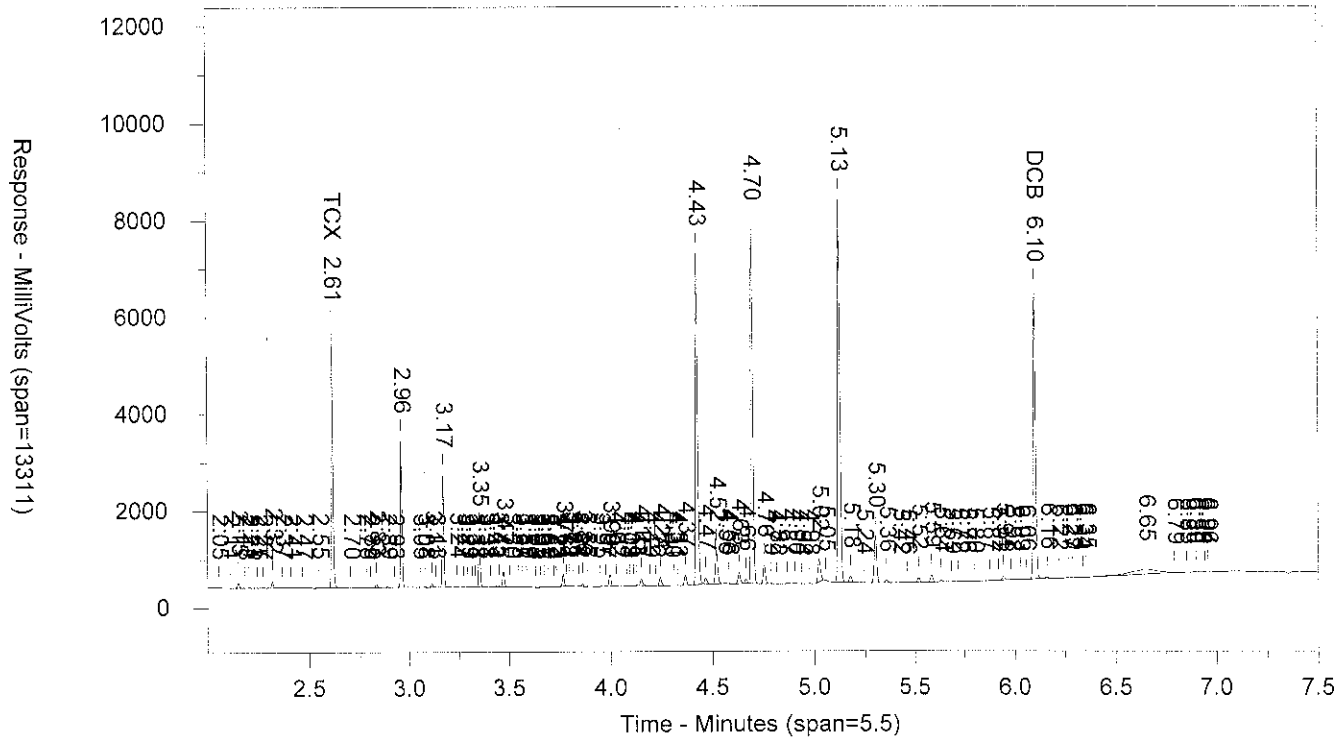

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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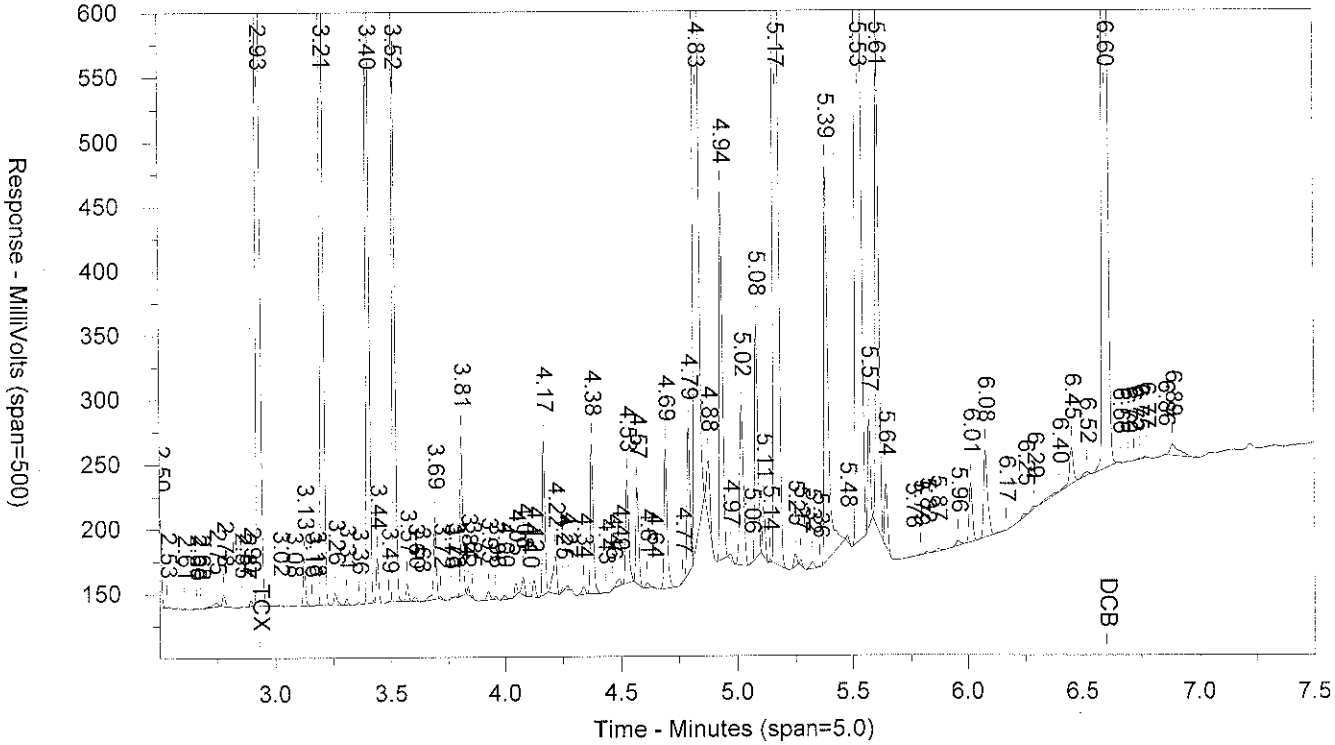

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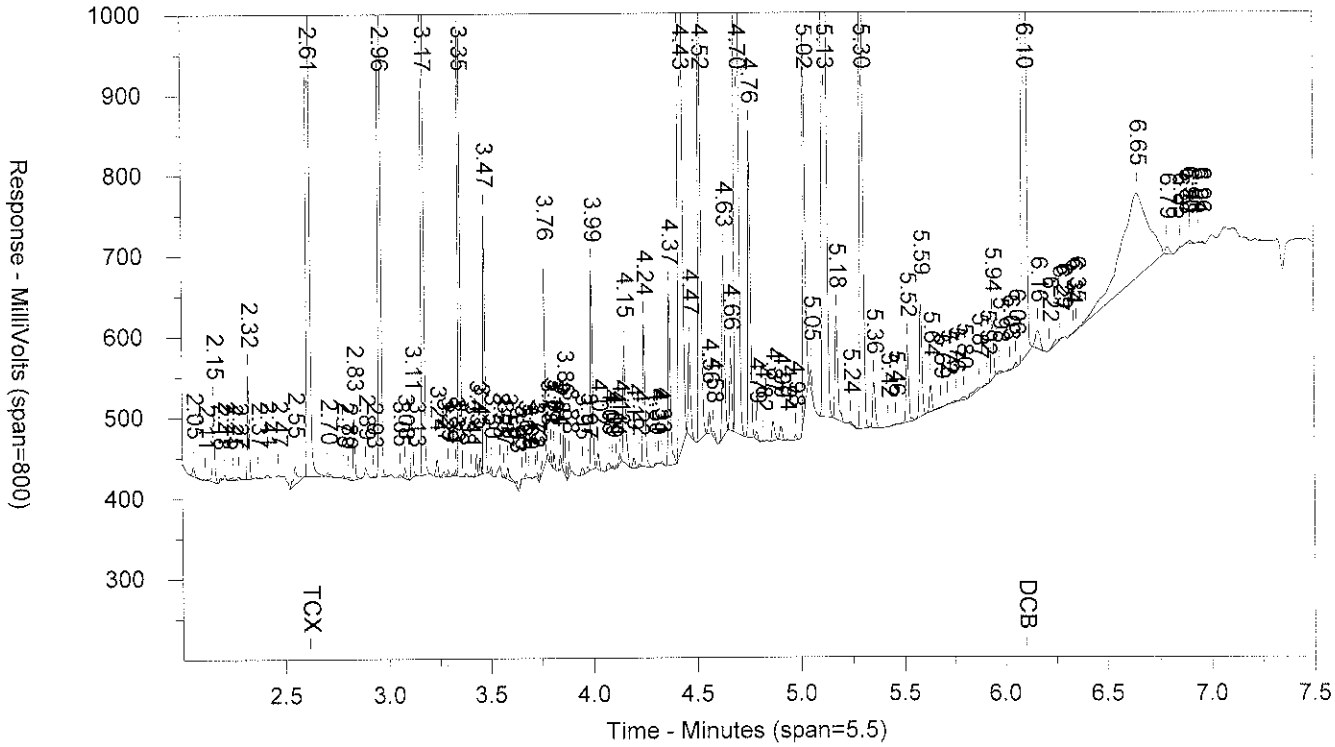

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11326	10602
2.09		17494	37007
2.231		1603	1668
2.298		923	715
2.33		10557	7649
2.362		774	249
2.417		294	262
2.49		8049	8167
2.533		1659	1746
2.569		2207	1529
2.714		566	910
2.746		1948	2184
2.777		21079	20444
2.85		879	635
2.897		5815	4698
2.93	TCX	299790	210417
3.032		478	524
3.078		17436	15272
3.133		16837	13511
3.181		74237	54055
3.274		11723	13695
3.314		294	119
3.368		402	297
3.397		69806	42054
3.414		29344	16250
3.451		7193	4025
3.467		2542	1129
3.512		89757	68073
3.541		451	283
3.565		671	446
3.587		4729	2703
3.605		1119	477
3.622		13993	7725
3.637		7349	3671
3.68		35029	18685
3.691		66617	33955
3.728		98237	75617
3.785		81699	61850
3.825		6799	4836
3.854		52620	39825
3.882		43788	67118
3.93		4752	3883
3.977		59566	42135
4.001		18616	11924
4.032		23436	15774
4.064		64359	64950
4.104		19081	15839
4.151		1714	1380
4.172		1188	779
4.19		5223	3254
4.225		57117	40712
4.242		8410	4120
4.267		19653	17280
4.337		7887	6823

RT A	Compound A	Height A	Area A
4.379		65746	64157
4.413		3775	2900
4.472		2086	1641
4.514		27536	26627
4.567		8014	5356
4.583		14095	8789
4.627		35546	33747
4.678		54424	57999
4.713		12922	9229
4.753		128081	123903
4.795		5801	5255
4.838		20227	20634
4.874		4975	3751
4.899		21188	19011
4.95		149180	201092
5.001		28588	25945
5.041		69818	77560
5.084		1843	962
5.12		15182	18827
5.155		170834	181672
5.196		4137	1907
5.223		89382	83445
5.264		54472	52986
5.325		5120	5794
5.358		24710	18498
5.383		98888	88563
5.44		51798	47293
5.479		27286	27815
5.52		7411	7558
5.563		30768	33865
5.619		218690	213877
5.723		957	1143
5.753		455	312
5.823		152973	145500
5.853		8211	5363
5.878		35769	41186
5.958		5273	7834
6.016		7243	7511
6.093		31877	43747
6.162		733	927
6.18		597	457
6.249		70358	69260
6.295		4330	5446
6.329		898	607
6.364		542	850
6.401		931	1101
6.453		18747	20076
6.524		3141	7058
6.601	DCB	216110	230566
6.685		1063	1404
6.701		1022	379
6.773		3043	4899
6.819		1002	845
6.843		1103	1063
6.886		10210	21860

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.137		1691	646
2.154		4417	5278
2.19		5297	8010
2.3		5818	4968
2.411		2914	5494
2.47		6610	36291
2.547		56908	76820
2.614	TCX	527069	321388
2.658		17233	14069
2.713		1879	1373
2.785		40462	30493
2.832		5869	2909
2.846		27616	14782
2.898		142925	90274
3.009		21357	13438
3.073		678	528
3.105		106253	52622
3.116		40832	15372
3.156		19477	11065
3.178		14731	8895
3.203		10789	6037
3.227		168603	111623
3.264		13726	7695
3.291		1364	708
3.31		38173	20158
3.326		21685	11018
3.353		2671	1191
3.376		73877	35441
3.385		133299	60027
3.406		10457	3815
3.42		159855	109498
3.452		1795	693
3.469		573	76
3.476		461	99
3.494		166007	107477
3.529		122249	75521
3.553		146524	85214
3.571		39174	19027
3.586		2023	1239
3.61		1469	341
3.633		942	546
3.656		146693	97953
3.68		57875	30975
3.7		57747	33514
3.729		55741	29488
3.746		106116	63323
3.787		48571	34006
3.83		18812	18830
3.856		29864	19399
3.878		151982	100959
3.903		30404	17585
3.923		6783	3481
3.943		21966	15535
3.977		133149	91420

RT B	Compound B	Height B	Area B
4.011		8355	4716
4.025		19339	10976
4.079		7854	7848
4.111		45580	45146
4.153		6092	4132
4.177		36947	25631
4.22		40699	25184
4.238		26644	13199
4.251		88159	48018
4.277		50221	51199
4.328		293323	227133
4.368		14105	11132
4.399		24096	16237
4.422		63109	49275
4.464		304698	240864
4.566		245791	250465
4.619		36958	30337
4.658		74897	67483
4.694		276268	224267
4.725		150557	109521
4.764		107039	81604
4.821		1332	358
4.841		1300	1068
4.862		31089	22962
4.913		195002	151121
4.937		25706	16419
4.985		90485	80130
5.022		50758	39121
5.052		38273	32581
5.086		8986	5102
5.106		413845	340115
5.148		8749	5605
5.178		26221	20954
5.245		914	1128
5.262		3493	2705
5.296		6550	4733
5.32		95585	78387
5.365		298571	316534
5.424		1564	392
5.466		3069	4779
5.519		14274	11551
5.588		20801	26083
5.637		60089	53556
5.697		5929	14788
5.742		145661	116590
5.801		24872	71444
5.941		53530	81094
6.054		27635	76086
6.099	DCB	622299	519955
6.167		67385	235860
6.286		8495	24541
6.458		9899	34320
6.528		1478	3299
6.58		12153	28504
6.621		8400	16026
6.732		5889	10656
6.837		1888	355
6.845		2289	1403
6.886		2132	1279
6.897		3163	6727

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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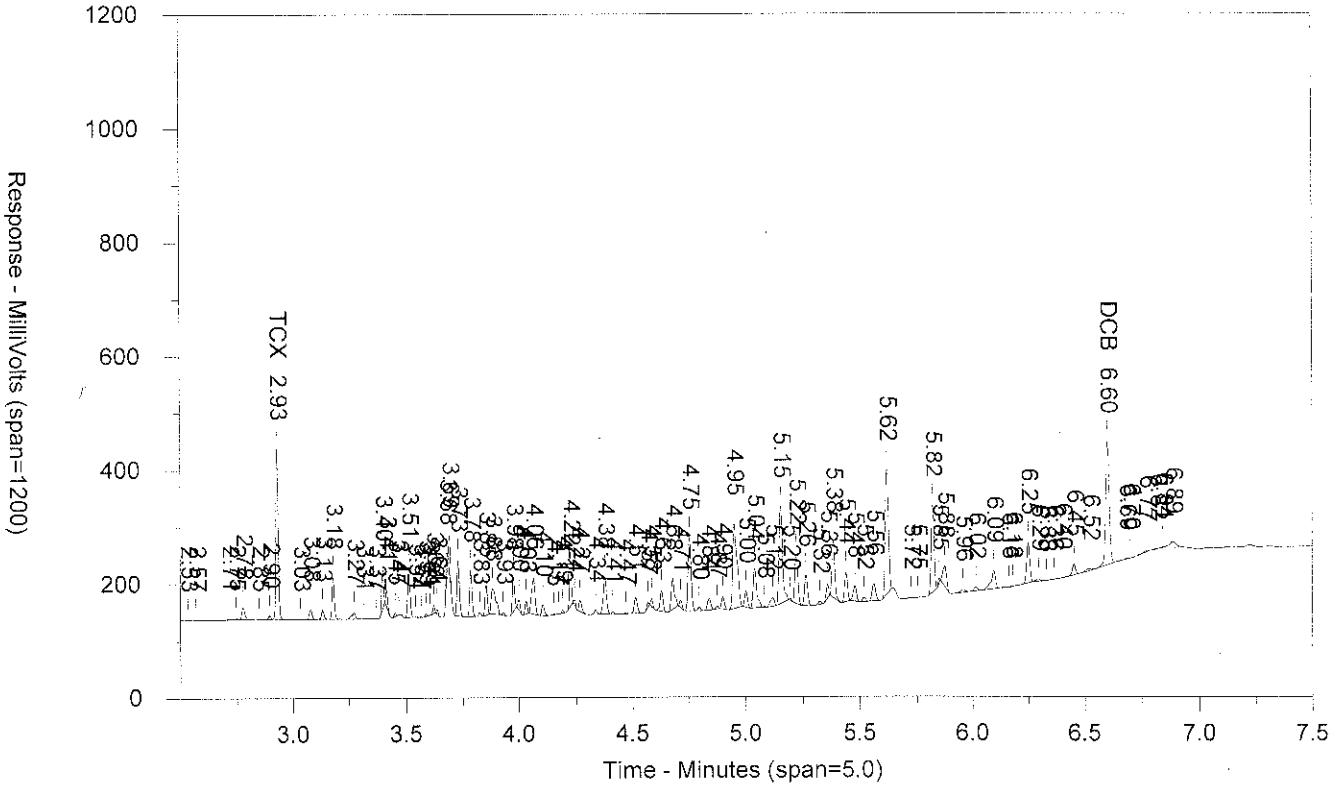

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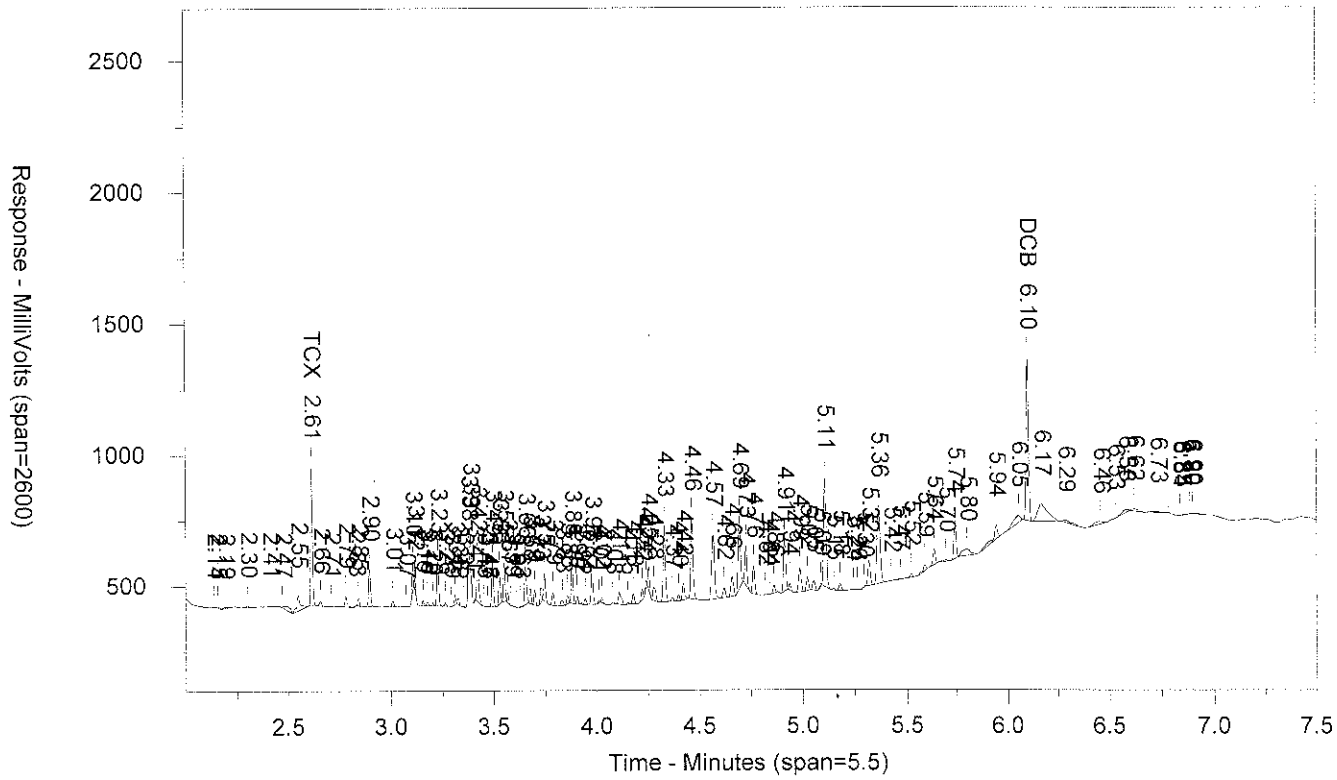

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:25:16 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	299790	1.987	TCX	2.614	527069	1.935	TCX
6.601	216110	2.242	DCB	6.099	622299	2.056	DCB

Files:
Area File: 25PCBS17284001.007.RAW
Area File: 25PCBS17284001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:28:14 PM

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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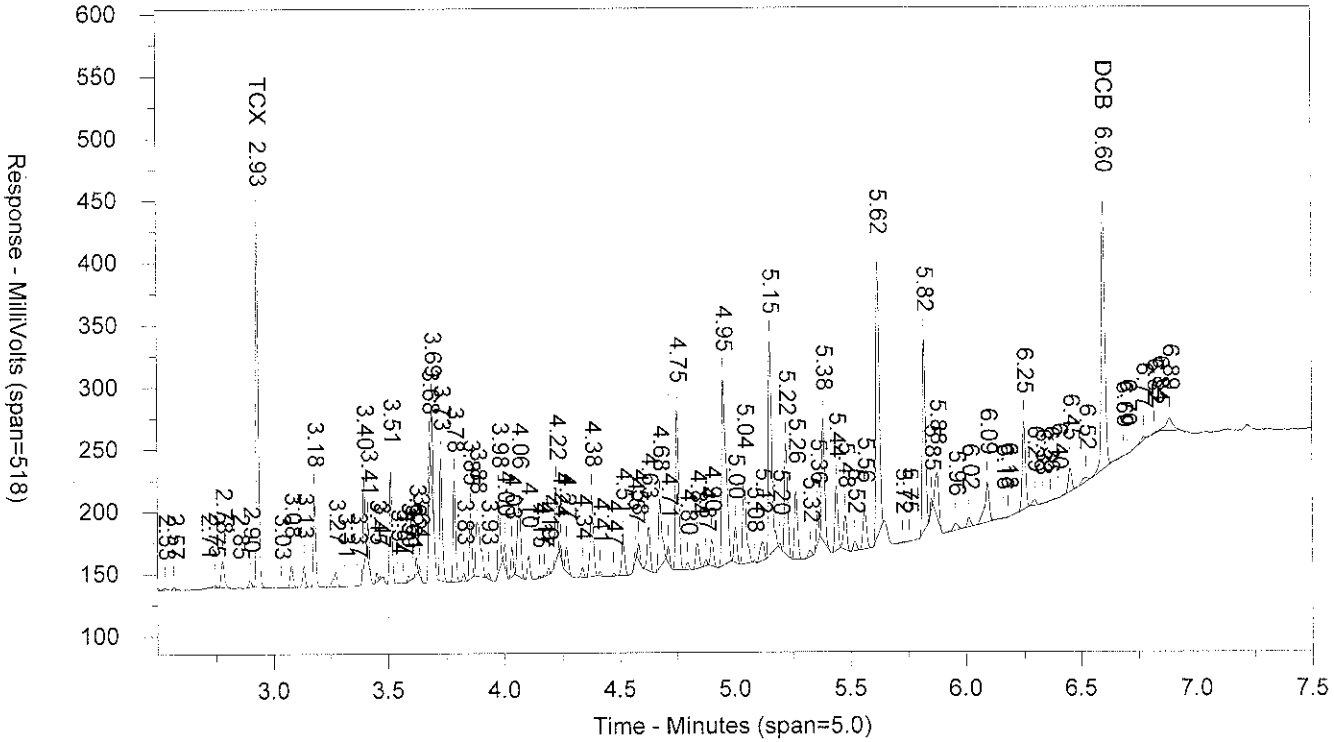

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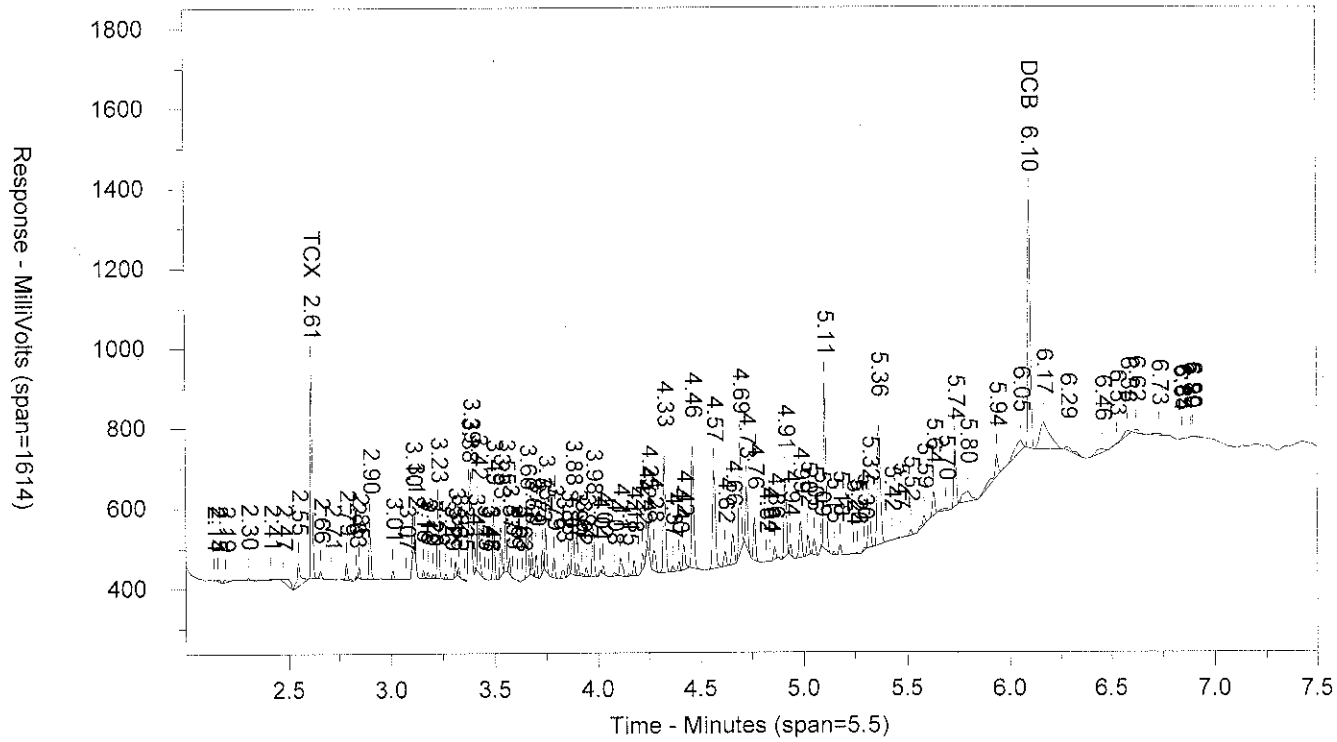

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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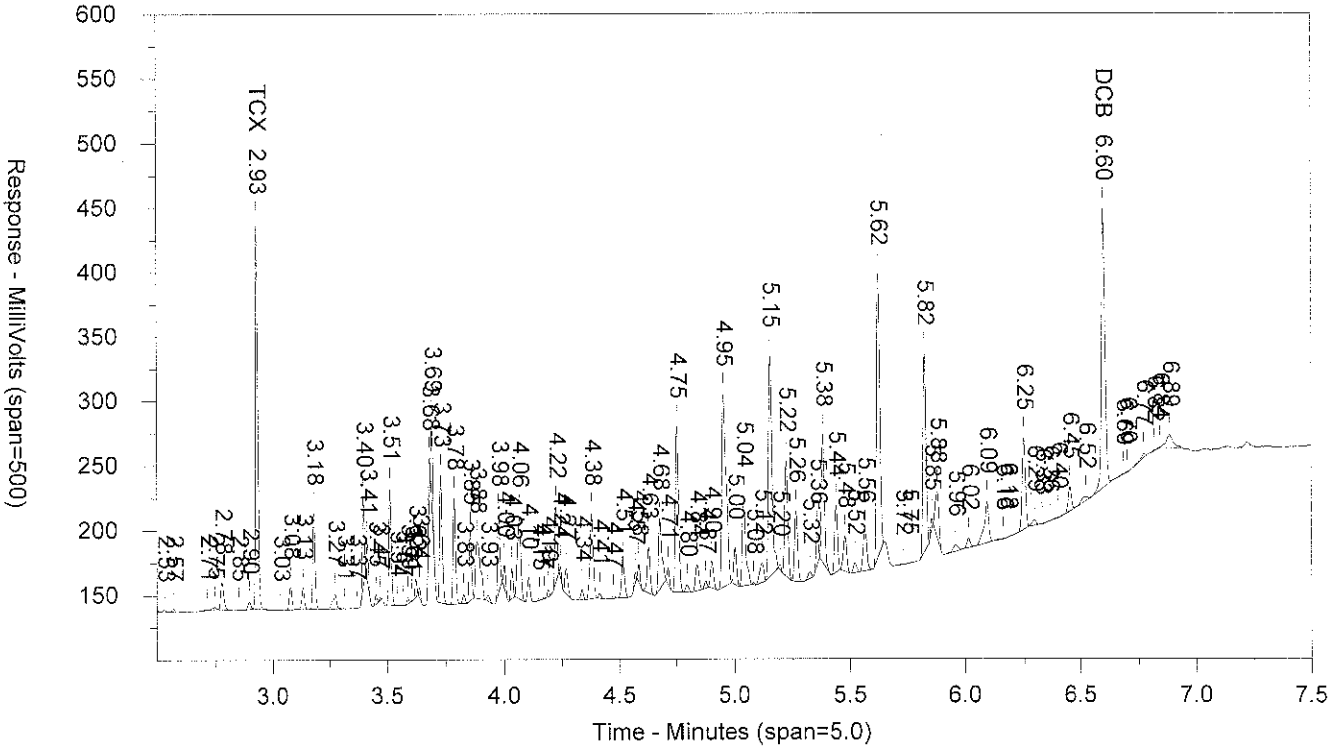

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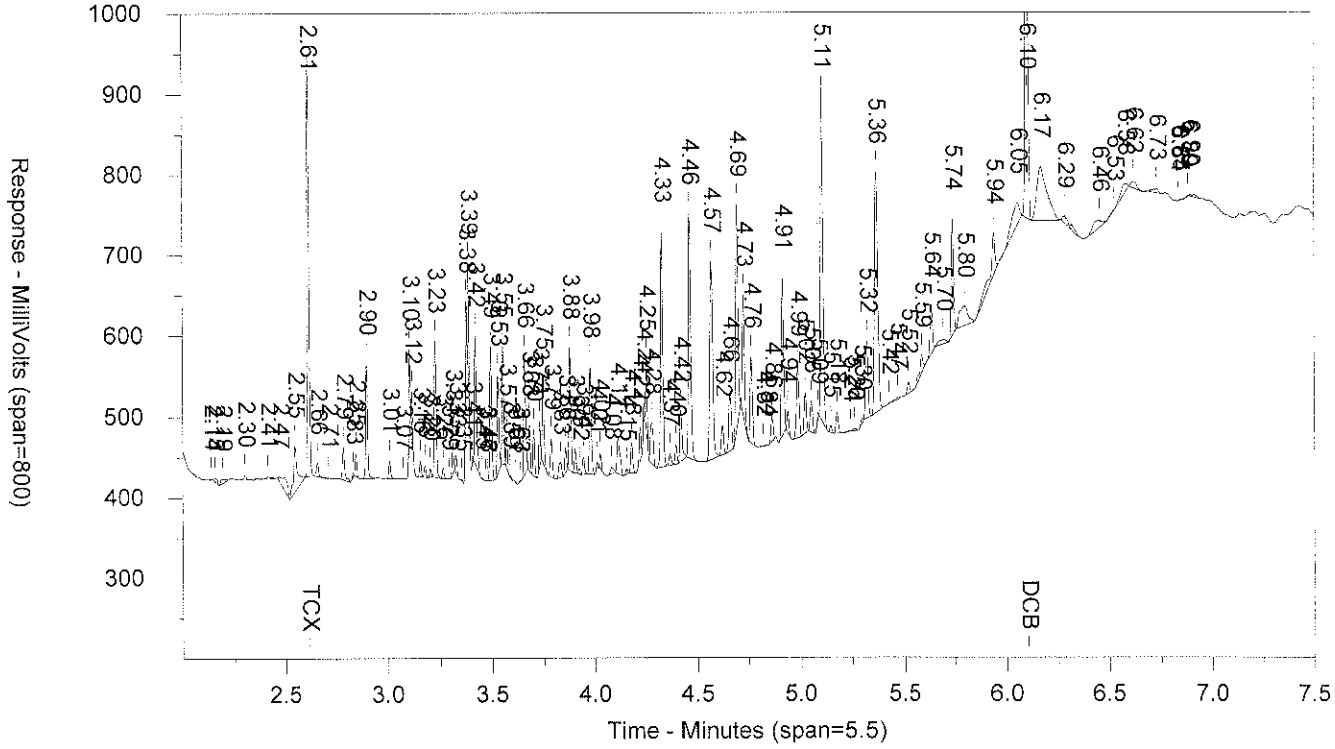

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 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: 25PCBS17284001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		10492	9653
2.089		11997	31436
2.23		3259	2805
2.3		646	530
2.329		10959	8298
2.431		446	276
2.49		7081	6803
2.53		1654	1614
2.569		4357	3615
2.664		339	570
2.708		535	265
2.747		2346	2889
2.777		15045	13565
2.845		914	1015
2.895		4823	4139
2.93	TCX	593408	420263
3.077		32149	28264
3.133		31840	26216
3.18		147862	104930
3.273		20930	20475
3.396		132203	82349
3.413		64546	35218
3.45		13818	7833
3.466		4630	1830
3.475		4034	1950
3.51		170897	132998
3.565		1710	862
3.586		10171	6244
3.62		31474	16959
3.635		14441	7034
3.678		70293	38454
3.689		139015	69169
3.726		196020	149973
3.783		165460	125476
3.824		13550	9788
3.852		112515	81218
3.88		91807	137538
3.928		3739	2525
3.975		117205	85980
3.999		41652	25610
4.03		45883	31949
4.063		125261	131157
4.103		39478	31699
4.15		4133	3382
4.166		773	319
4.188		10437	6825
4.223		113011	84294
4.241		17651	9041
4.265		35641	28457
4.335		16202	14651
4.377		126201	128615
4.412		7022	5222
4.472		3538	3079
4.512		47090	45598

RT A	Compound A	Height A	Area A
4.565		16449	10742
4.582		29839	20169
4.626		77653	68883
4.675		113775	123746
4.711		24943	18302
4.751		261845	247706
4.794		9205	8031
4.837		44040	44388
4.872		8643	6275
4.897		45512	40549
4.949		293463	400179
5		63851	57484
5.04		145581	159430
5.083		2659	1365
5.118		31631	36794
5.153		355804	378203
5.194		7759	3939
5.221		180134	171477
5.262		111997	112088
5.324		3341	3586
5.358		49731	39741
5.383		193809	176459
5.438		104618	100197
5.477		62730	61264
5.519		12429	13054
5.561		66246	73462
5.618		472203	531902
5.726		301	605
5.822		301117	295214
5.852		15140	9509
5.877		73338	84105
5.925		571	414
5.959		3985	5261
6.014		13402	13303
6.092		66788	88991
6.248		136812	140281
6.292		8965	8931
6.319		679	261
6.338		508	286
6.392		740	237
6.452		40172	43351
6.523		3455	7365
6.601	DCB	432215	472678
6.648		670	308
6.685		834	1446
6.769		1904	3978
6.813		744	415
6.883		10145	27858
6.982		703	442

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 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: 25PCBS17284001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		863	1194
2.157		5865	6560
2.205		3337	7568
2.261		1304	1203
2.3		9019	7029
2.409		3061	3781
2.466		3042	2070
2.517		3224	1533
2.547		29853	26201
2.614	TCX	1062087	628662
2.658		32209	25477
2.712		1608	1250
2.785		74251	52990
2.832		11248	5087
2.846		51591	28139
2.898		267377	164135
2.946		3249	2191
3.009		40211	24915
3.072		1015	450
3.084		843	427
3.105		201189	102381
3.116		68614	25523
3.156		38360	22937
3.177		26867	15874
3.203		23685	13217
3.227		320391	210701
3.263		24908	14860
3.291		2734	1279
3.31		77512	40922
3.325		42751	21763
3.355		2481	1229
3.375		162461	75421
3.385		284561	120068
3.405		17238	6606
3.419		304578	210595
3.493		331876	210302
3.528		235500	147349
3.552		283932	161083
3.569		76197	37461
3.606		1310	968
3.638		1162	1384
3.655		295781	192154
3.678		114293	61778
3.699		109772	65515
3.728		106068	53264
3.745		214967	128333
3.785		97301	68158
3.831		32167	31965
3.855		61014	37317
3.877		308135	203083
3.902		61157	36319
3.921		13528	6739
3.941		40816	26147
3.975		264228	182205

RT B	Compound B	Height B	Area B
4.009		16479	9335
4.025		35396	19687
4.084		6686	9048
4.11		77472	75123
4.152		8178	5469
4.176		73457	51811
4.219		77066	46817
4.236		48784	25349
4.25		174943	100375
4.275		109811	106594
4.327		590018	450482
4.367		21668	18150
4.397		47706	31099
4.421		126803	93559
4.463		632034	493447
4.564		525350	502092
4.618		77006	62425
4.656		149459	131246
4.692		578061	473665
4.724		304191	221341
4.762		219696	165409
4.826		995	517
4.861		67186	48601
4.88		8986	4566
4.911		399091	312479
4.935		52763	35164
4.986		198039	176567
5.022		105205	81263
5.051		77248	65210
5.084		20799	11756
5.104		851065	728116
5.146		17710	12450
5.177		46497	38843
5.225		884	517
5.252		1208	466
5.296		11419	7543
5.319		202929	166285
5.364		673616	694098
5.426		900	993
5.44		1363	431
5.46		2903	2231
5.518		27322	22169
5.565		14818	9557
5.585		29731	22912
5.634		135137	114717
5.684		2085	2358
5.742		325708	268535
5.773		19528	21390
5.84		1236	1363
5.88		1643	2805
5.893		1271	458
5.94		108557	91468
5.99		1900	2888
6.022		1547	798
6.052		5492	5483
6.098	DCB	1353764	1172442
6.165		24377	37455
6.201		1930	1493
6.246		1899	2992
6.262		1981	1398
6.328		1920	2797
6.343		1991	707
6.356		1155	504
6.405		1446	1737
6.446		948	3079
6.482		1506	1186

RT B	Compound B	Height B	Area B
6.527		3174	6455
6.576		1870	730
6.594		738	505
6.625		4534	6858
6.661		1087	704
6.7		1563	1458
6.747		2288	2512
6.777		2410	2426
6.848		2302	2319
6.879		3074	3999
6.963		1718	1358

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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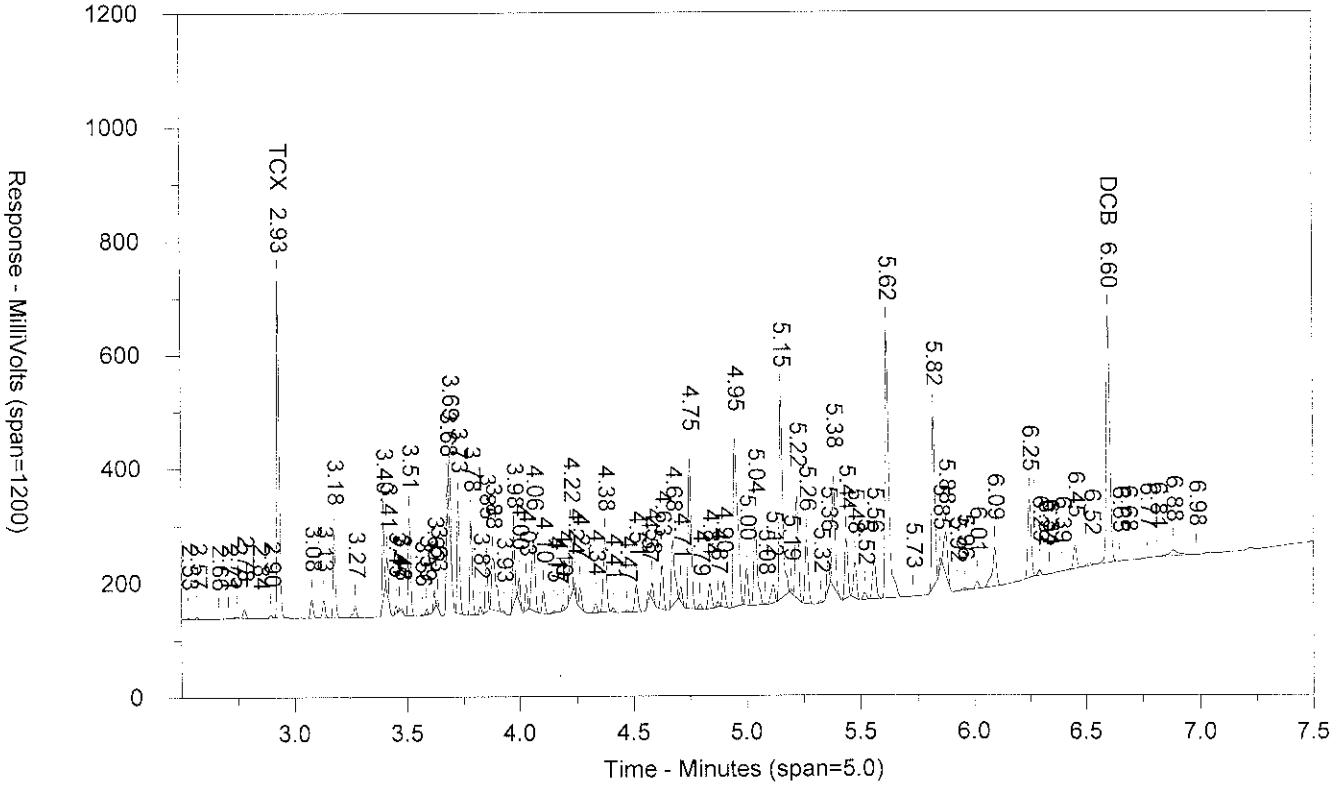

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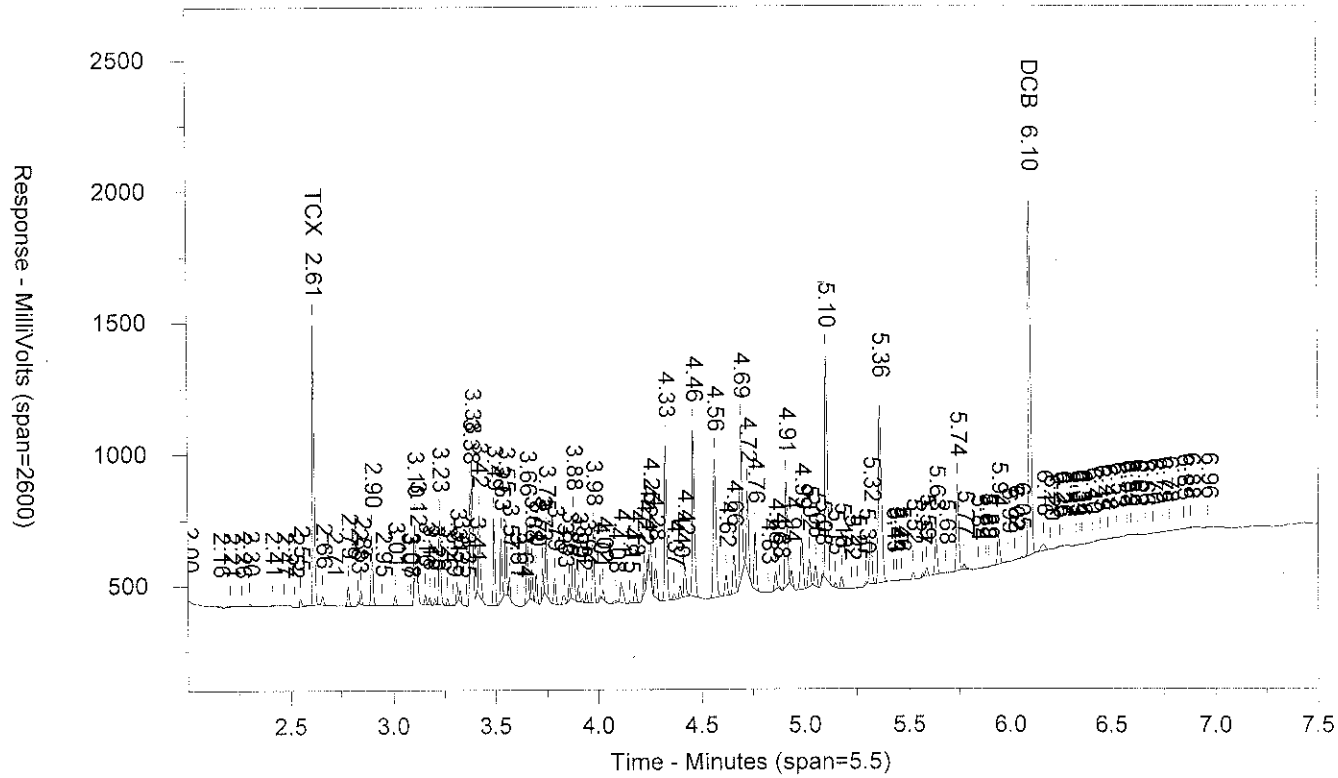

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:36:33 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	593408	3.933	TCX	2.614	1062087	3.898	TCX
6.601	432215	4.484	DCB	6.098	1353764	4.472	DCB

Files:
Area File: 25PCBS17284001.008.RAW
Area File: 25PCBS17284001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:13 PM
File Reported On: 10/12/2017 at 3:28:28 PM

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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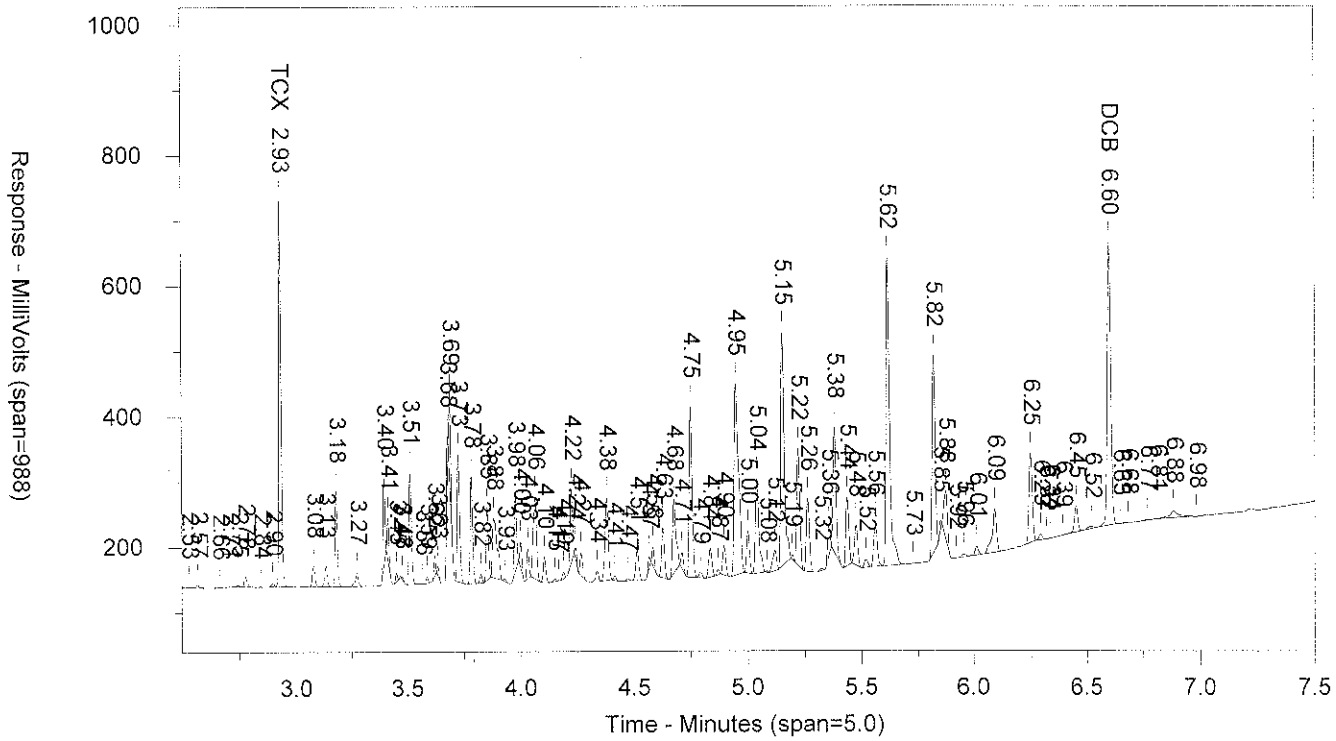

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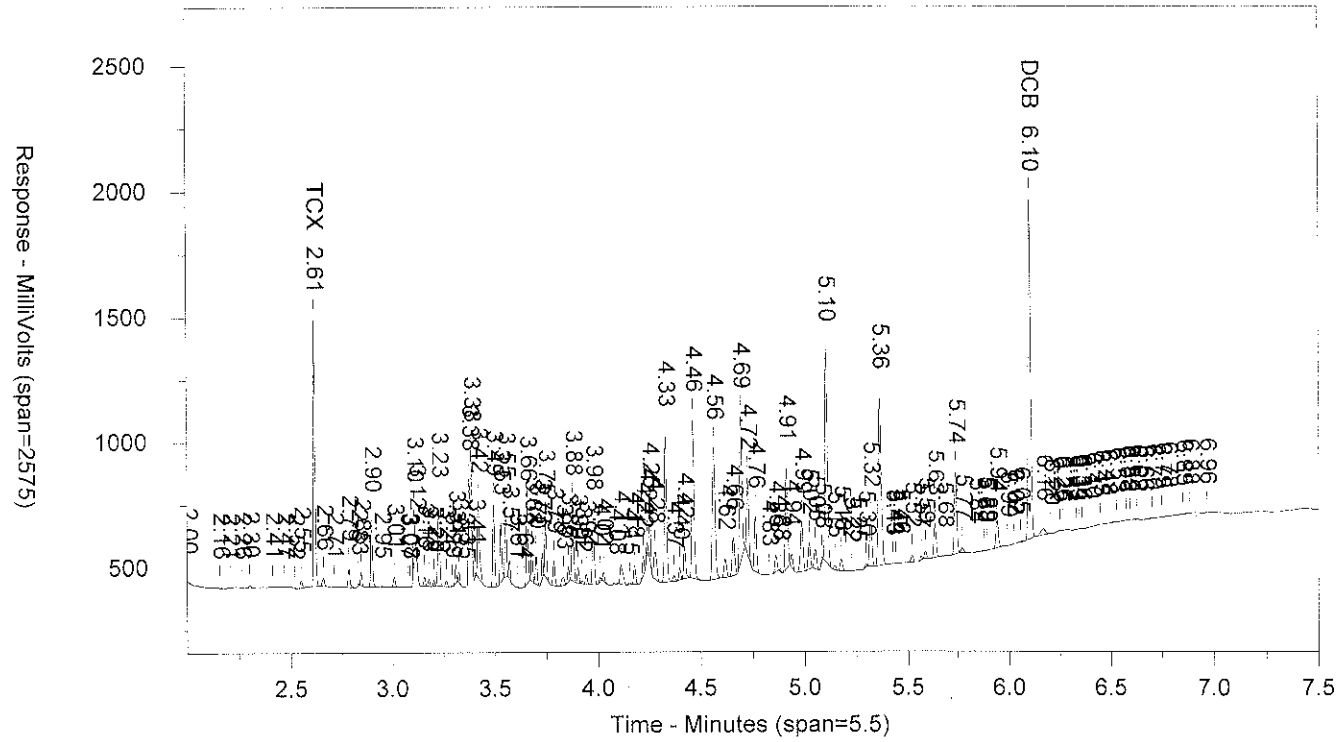

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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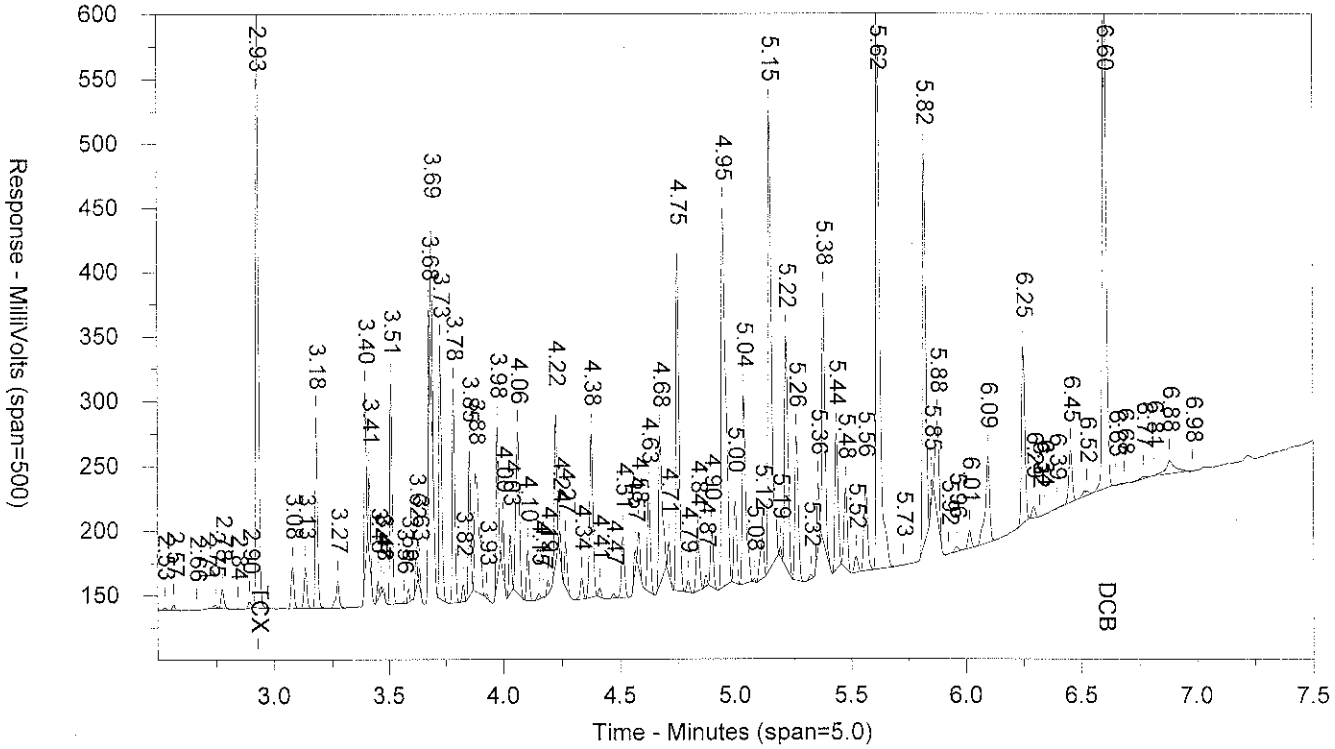

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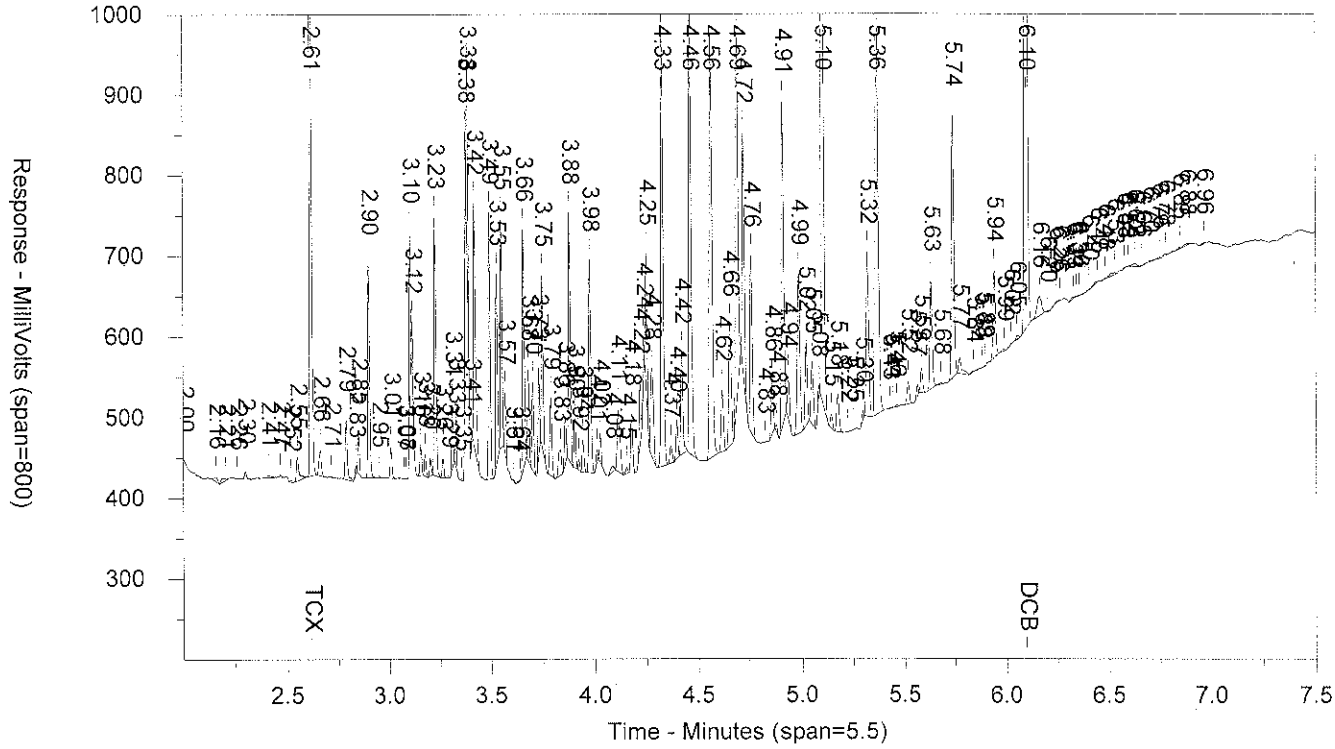

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 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: 25PCBS17284001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12530	12174
2.088		23187	57434
2.231		15115	12991
2.295		868	681
2.33		13793	13077
2.367		859	1451
2.432		1222	1068
2.49		8810	9320
2.533		1941	2096
2.569		8742	7827
2.657		569	630
2.681		468	220
2.711		471	343
2.745		2367	2924
2.777		23732	24274
2.842		1474	1658
2.897		6026	5213
2.93	TCX	2965107	2070755
3.028		1142	721
3.077		63187	53843
3.131		69262	63534
3.18		264191	193486
3.258		3947	2094
3.273		33103	21560
3.313		766	582
3.364		445	234
3.395		247161	147988
3.412		111069	60869
3.45		24886	13957
3.465		8860	3608
3.475		7313	3381
3.51		314798	245789
3.547		916	376
3.567		7204	4002
3.586		20714	13483
3.62		60257	34242
3.635		29104	14141
3.678		108623	68458
3.689		261253	135719
3.726		346604	277834
3.783		306244	232390
3.824		26440	18938
3.852		186171	144911
3.881		164246	251643
3.927		5721	3858
3.975		202237	153978
3.999		73172	47270
4.03		86677	59822
4.063		229296	245605
4.103		76634	61110
4.15		9533	8202
4.188		20149	13169
4.223		183186	140216
4.241		35628	18293

RT A	Compound A	Height A	Area A
4.265		63897	49887
4.335		30379	26802
4.377		227656	234939
4.411		13434	10144
4.472		8323	7317
4.512		102925	101580
4.566		35202	22340
4.582		51017	34181
4.626		139317	125503
4.675		196486	216423
4.712		50880	37382
4.751		467474	437017
4.793		21958	18923
4.836		81464	82547
4.872		37164	28006
4.897		74999	66506
4.949		521665	699654
5		111429	104409
5.039		248558	289165
5.082		5106	2968
5.115		84396	100062
5.152		627369	657363
5.194		15404	7400
5.22		305387	291824
5.263		196793	196440
5.326		3639	4236
5.356		94147	75138
5.381		338825	309159
5.438		183840	171503
5.476		109229	112055
5.519		41333	42487
5.56		118413	131804
5.617		819012	969071
5.708		477	262
5.766		475	202
5.821		523052	510365
5.851		31487	21128
5.877		129968	147601
5.958		5526	7297
6.013		55825	55410
6.091		122525	209835
6.18		650	617
6.247		234775	242326
6.292		15656	15323
6.336		875	422
6.387		549	1310
6.45		89256	93124
6.512		4778	7332
6.6	DCB	1804758	1913338
6.692		687	183
6.706		721	508
6.735		537	278
6.772		2393	3583
6.827		2097	3208
6.879		7786	20462

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 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: 25PCBS17284001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		402	786
2.055		11093	7982
2.145		1217	479
2.205		3523	9058
2.301		16521	11893
2.359		2363	3111
2.412		3690	4228
2.533		3646	1807
2.547		51695	45349
2.614	TCX	5394586	3137831
2.658		59155	44842
2.785		137784	100219
2.832		55291	26521
2.846		91106	45783
2.898		470504	299945
2.948		12199	7543
3.009		79951	49807
3.067		748	129
3.075		1200	254
3.084		1041	203
3.105		365974	180934
3.116		131167	49817
3.156		70487	43461
3.178		53869	30404
3.203		46203	25299
3.227		575434	389168
3.264		50402	29531
3.291		15894	7357
3.31		136893	72765
3.325		79315	37810
3.35		2206	1335
3.375		289063	134067
3.385		533063	228658
3.405		30883	11592
3.419		564908	389829
3.493		619044	384908
3.528		411818	259951
3.552		513953	288895
3.569		131752	65418
3.586		8926	3695
3.655		516146	342777
3.678		204180	110050
3.699		202804	118912
3.728		203406	106617
3.745		409666	239693
3.785		172914	124289
3.831		69478	68393
3.855		107332	68182
3.877		533385	361106
3.902		112391	66214
3.922		26933	13661
3.941		71062	44217
3.976		464419	325410
4.009		33400	19352

RT B	Compound B	Height B	Area B
4.024		72136	39343
4.089		8987	10827
4.109		158284	153088
4.151		25278	15734
4.176		136184	95677
4.218		145412	88914
4.237		95281	47217
4.249		297719	168840
4.275		186461	189182
4.327		1051415	809016
4.366		50965	39996
4.397		87359	58280
4.421		204217	132275
4.438		33207	14876
4.463		1109975	849241
4.564		928387	907497
4.617		148951	122217
4.657		282540	270715
4.691		1046879	858415
4.724		557205	398111
4.761		371724	294179
4.822		2795	2488
4.861		122098	87079
4.878		15548	7711
4.911		698604	561983
4.935		96854	64886
4.985		350038	316988
5.02		183877	144534
5.051		155122	135824
5.083		45132	27129
5.104		1626909	1336968
5.146		31671	22617
5.177		155596	128744
5.234		1633	1826
5.253		2929	3738
5.295		19758	13237
5.318		367388	295809
5.363		1210656	1277170
5.455		1107	389
5.47		1101	425
5.484		1606	1134
5.518		115877	100807
5.564		23128	14911
5.586		150628	120170
5.635		256625	224685
5.683		1889	1467
5.717		2124	1482
5.741		583191	483810
5.773		33559	30565
5.841		2573	2812
5.875		1108	1934
5.913		1328	2249
5.94		240362	209541
5.989		2826	4475
6.056		8229	14636
6.098	DCB	5830601	4876412
6.159		20226	31920
6.238		2214	1038
6.252		2207	1321
6.284		4235	4521
6.309		4062	2312
6.336		1532	591
6.361		2156	1765
6.376		1397	708
6.39		1475	636
6.443		2034	4633

RT B	Compound B	Height B	Area B
6.503		1368	2769
6.52		1495	1049
6.549		6831	6249
6.589		1170	1433
6.617		3044	2514
6.659		1388	775
6.681		1820	1872
6.698		1738	559
6.714		1507	568
6.729		1068	803
6.778		2358	2840
6.802		2277	2026
6.818		1508	743
6.855		1996	3534
6.864		1969	377
6.876		2571	1432
6.892		2399	2796
6.967		2646	1441

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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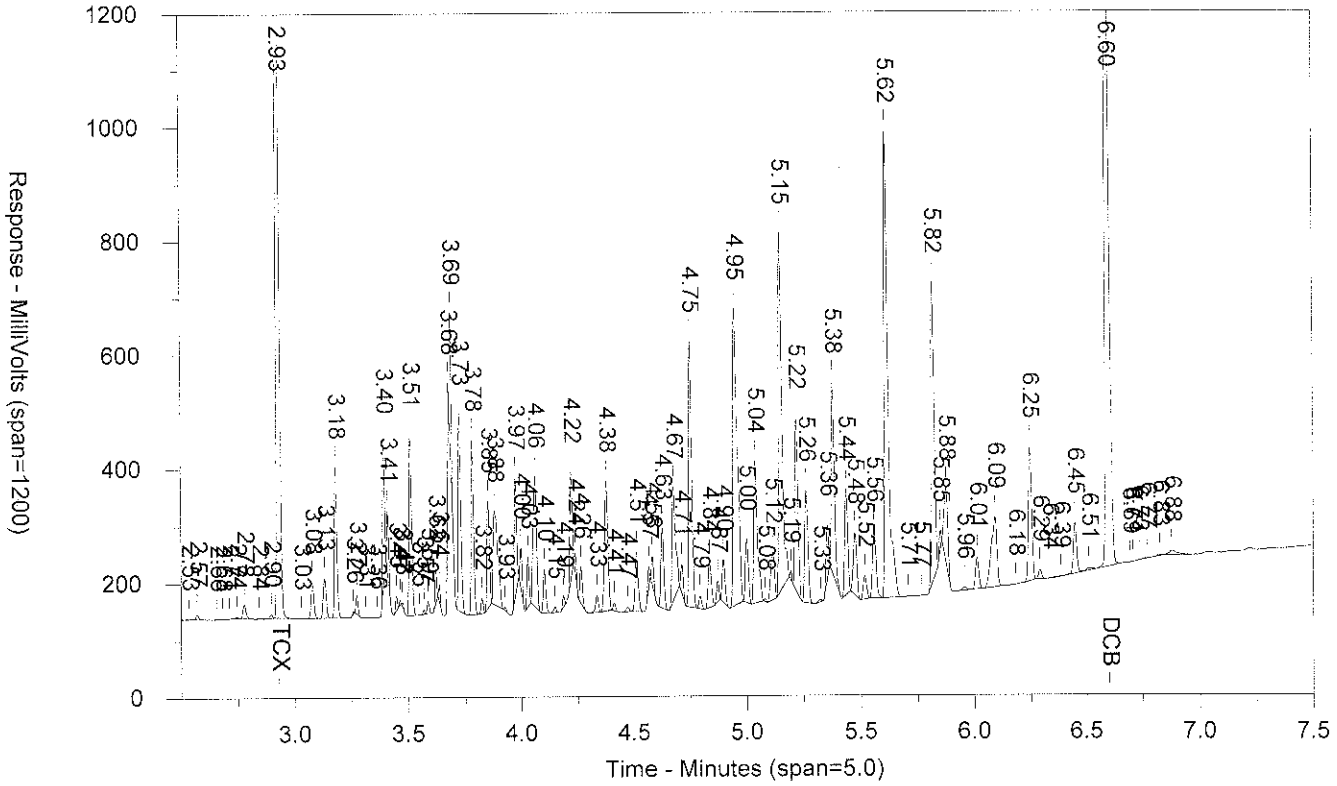

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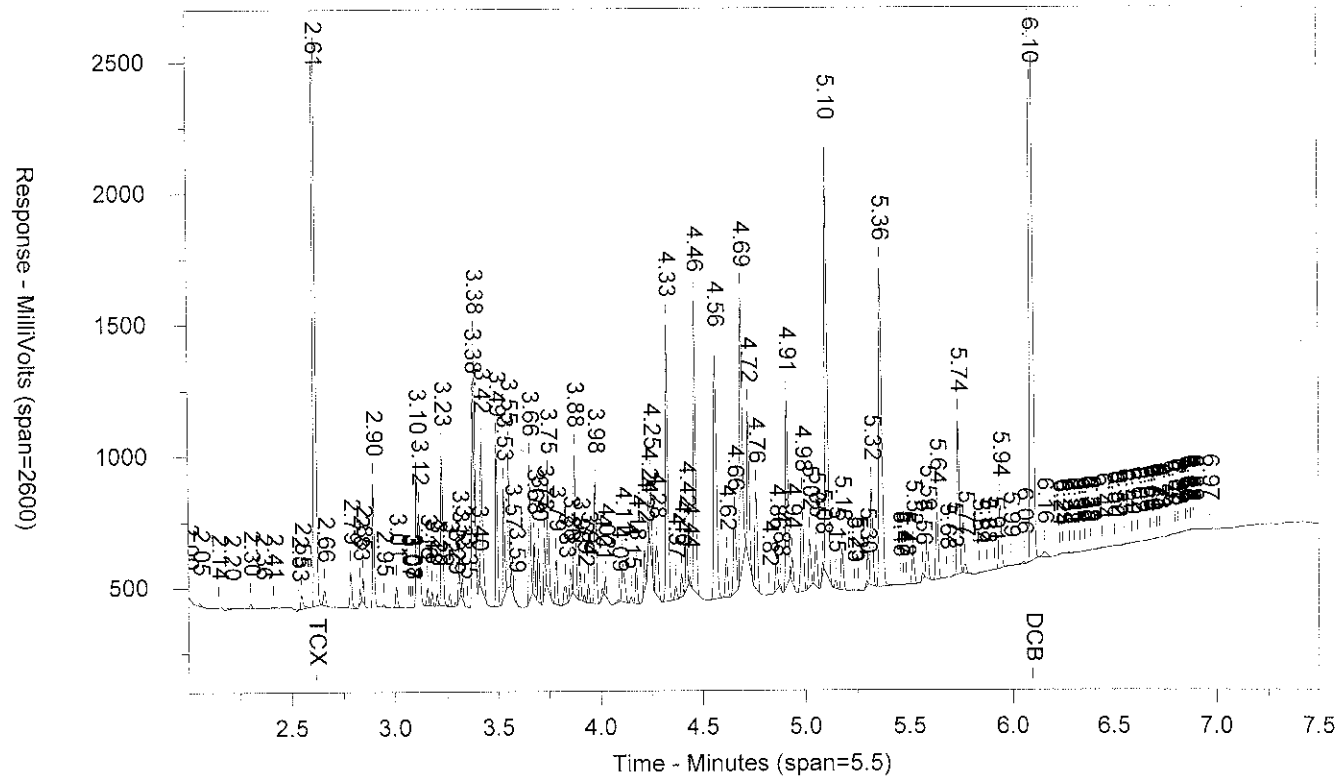

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:47:49 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
2.93	2965107	19.653	TCX	2.614	5394586	19.801	TCX
6.6	1804758	18.723	DCB	6.098	5830601	19.26	DCB

Files:
Area File: 25PCBS17284001.009.RAW
Area File: 25PCBS17284001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:28:46 PM

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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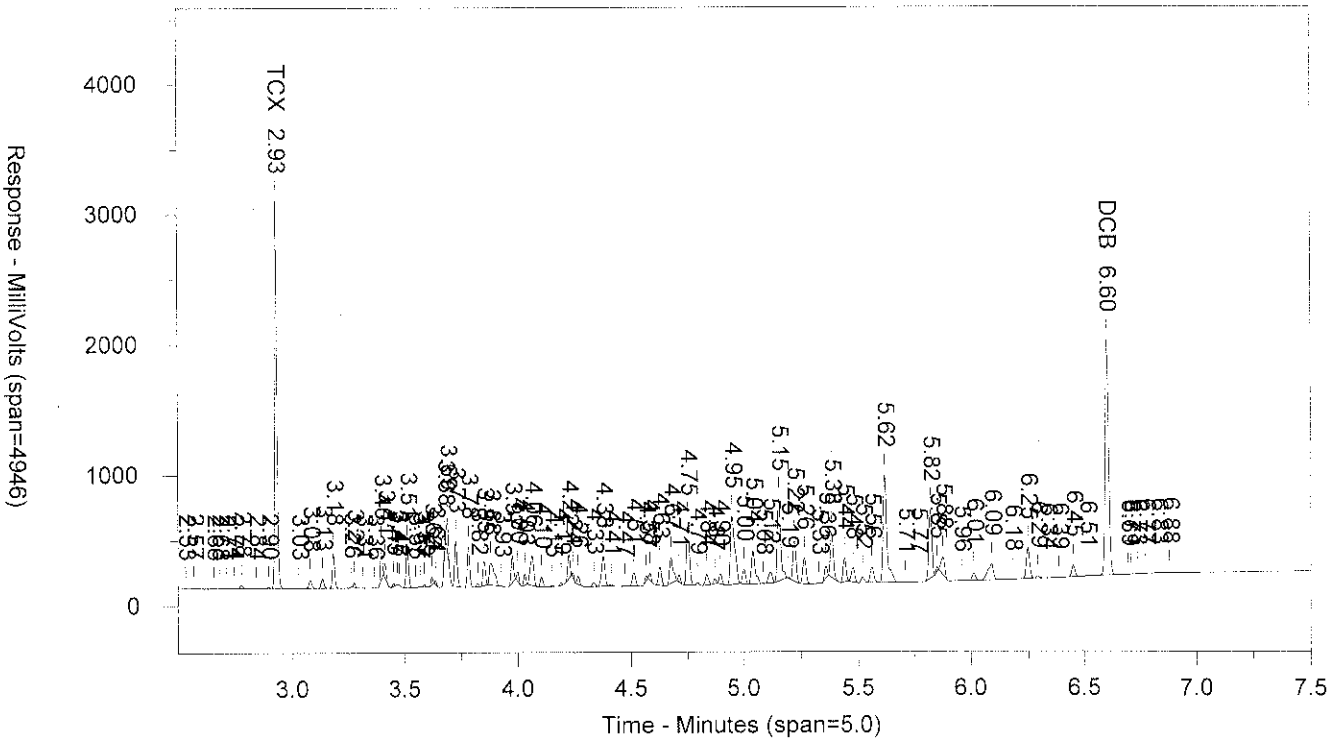

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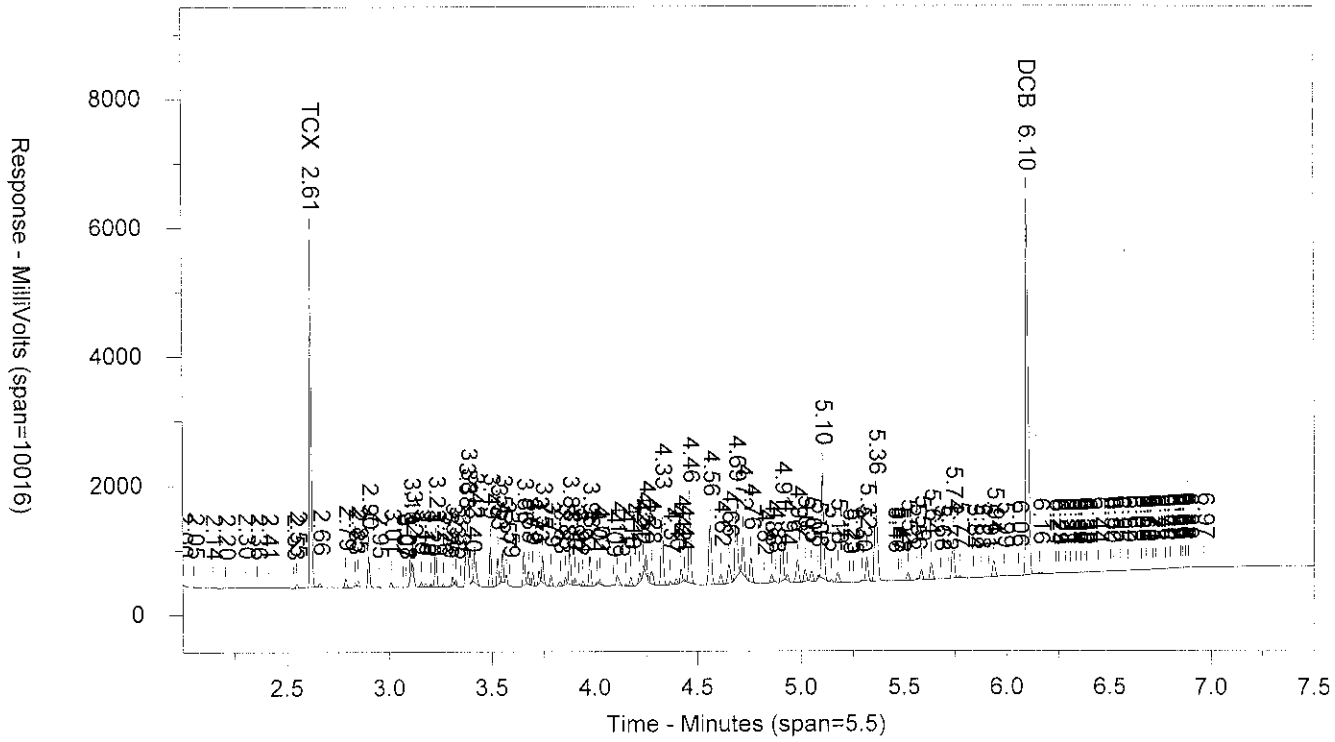

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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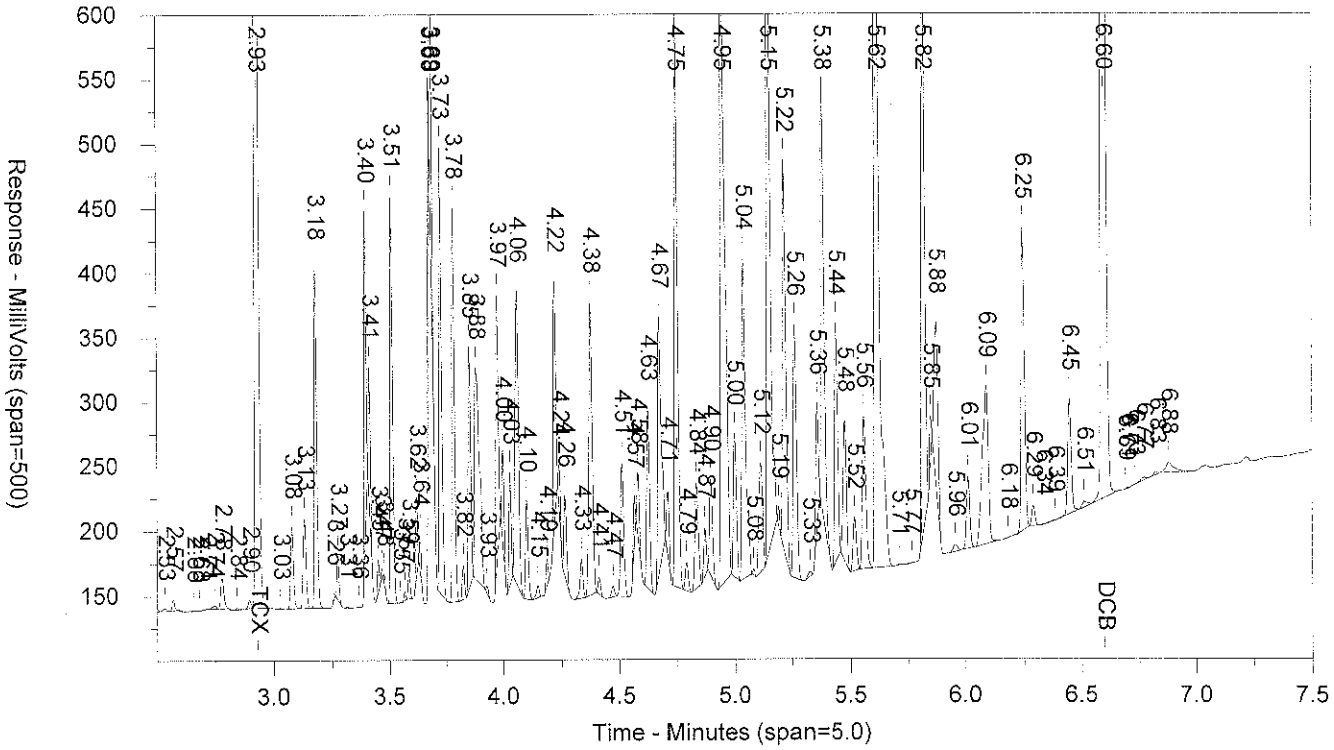

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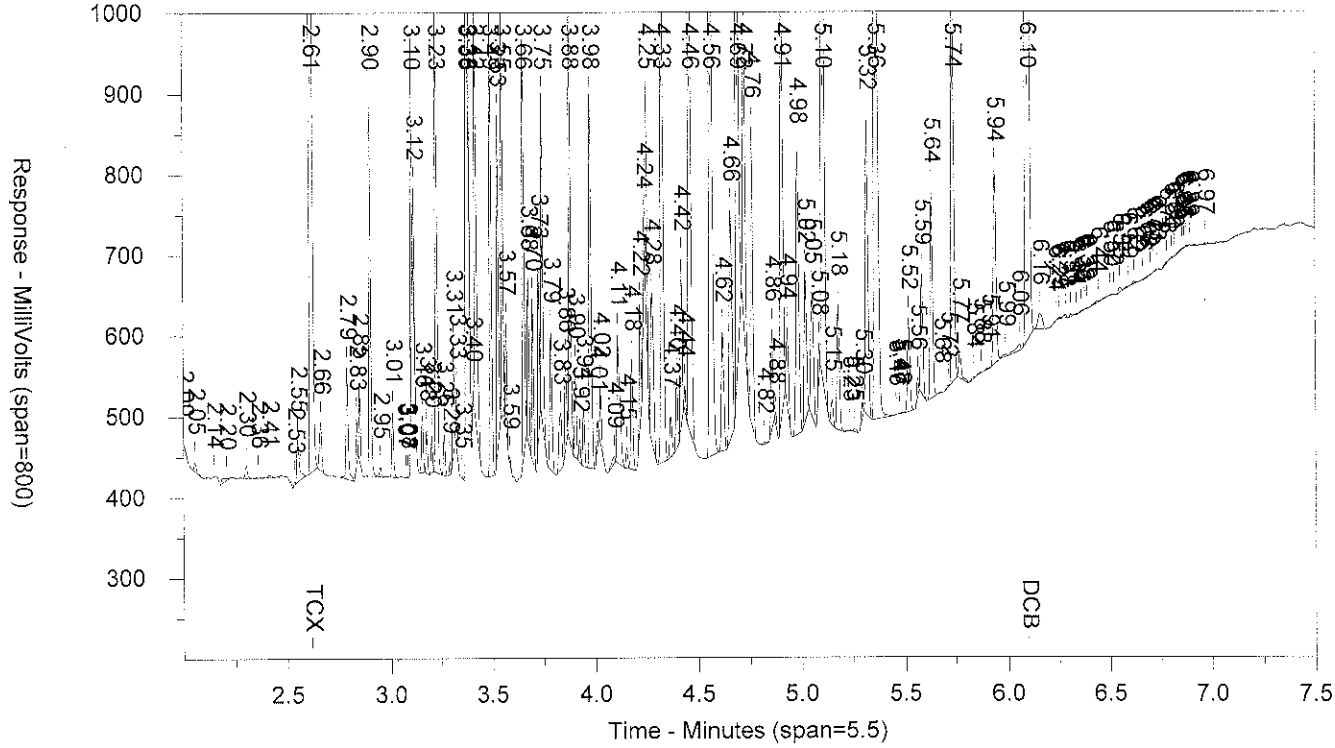

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11423	10614
2.09		10699	23703
2.23		29587	25433
2.298		838	624
2.336		15694	18029
2.431		2860	2207
2.49		7281	7328
2.53		1889	1747
2.568		19019	14967
2.655		785	650
2.745		3063	4743
2.777		13576	12666
2.843		2772	2265
2.895		5335	3968
2.93	TCX	6215760	4271917
3.028		1609	1216
3.05		552	217
3.077		129728	113663
3.131		141128	129006
3.179		521738	387554
3.258		6573	3235
3.273		73182	47462
3.317		1953	1421
3.366		507	404
3.395		498895	290546
3.412		215898	120165
3.449		53131	29500
3.465		20483	8847
3.476		16129	6762
3.51		613026	493238
3.547		2027	921
3.566		10938	6494
3.585		46336	30468
3.62		116365	66823
3.635		56520	27444
3.678		221085	134921
3.689		537880	284069
3.726		708205	555241
3.783		609944	468348
3.824		54804	39336
3.852		363166	280003
3.88		320423	495063
3.926		5113	3155
3.975		404465	301731
3.999		135304	89888
4.03		168166	117738
4.063		451622	488982
4.103		151010	123199
4.149		21566	20152
4.188		45566	29118
4.223		390272	280258
4.241		68573	36297
4.265		113044	92073
4.335		61903	54225

RT A	Compound A	Height A	Area A
4.377		445000	459434
4.412		28320	21308
4.471		16887	14668
4.512		210721	208336
4.565		68095	44518
4.581		95210	64533
4.626		277485	248961
4.676		375161	416324
4.712		104223	74981
4.751		890522	859706
4.793		47290	41002
4.837		157901	166367
4.872		76218	60802
4.898		147995	129786
4.948		1061902	1364991
5		215855	206285
5.04		504512	575797
5.082		11881	6690
5.116		160691	196995
5.153		1289158	1309503
5.193		27271	14815
5.22		609204	569690
5.262		389594	386185
5.328		1911	2302
5.356		178090	145238
5.381		682367	606250
5.438		346216	329662
5.477		196090	215819
5.518		86998	88207
5.56		226846	261355
5.618		1755057	1949885
5.708		1837	2336
5.768		1047	1175
5.822		1058691	1020045
5.852		69106	42129
5.877		248180	277846
5.923		1178	870
5.958		4432	5601
6.013		105369	106196
6.092		239643	403300
6.17		583	454
6.214		808	1383
6.248		467349	473096
6.292		31765	30778
6.35		643	231
6.381		1636	1497
6.451		165786	173577
6.522		2160	4720
6.6	DCB	3676784	3834194
6.662		1242	655
6.705		529	251
6.772		1999	3423
6.842		807	1083
6.884		8320	18538
6.971		606	272

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1257	1096
2.055		24761	18272
2.145		8350	11988
2.187		3862	2939
2.205		1902	1362
2.236		2340	2762
2.274		2646	2232
2.301		36900	25295
2.364		1481	2277
2.411		3899	4819
2.467		3484	3296
2.518		4380	3305
2.547		25634	16368
2.571		4383	2783
2.614	TCX	11086190	6505421
2.658		113698	88547
2.786		270708	187338
2.832		102506	48688
2.846		167897	85980
2.898		949485	589729
2.948		24756	14353
3.009		156032	98463
3.088		609	271
3.105		768137	365507
3.115		236751	90096
3.156		142309	84751
3.177		108187	61769
3.203		88327	49132
3.227		1165309	767246
3.263		104820	60766
3.291		25057	11563
3.31		264838	140313
3.325		149835	73101
3.351		1798	1016
3.375		597323	268826
3.385		1088633	463413
3.405		61911	23141
3.419		1135682	776253
3.493		1259728	770464
3.528		805846	501780
3.552		1025989	572008
3.57		256076	126695
3.586		15939	7691
3.656		1019843	672395
3.678		398500	212386
3.699		393014	234160
3.728		402438	210999
3.745		784682	458178
3.785		348702	247532
3.831		140265	141601
3.855		214205	135181
3.877		1094497	718253
3.902		219815	129674
3.922		54618	27756

RT B	Compound B	Height B	Area B
3.94		132750	81221
3.975		923394	638259
4.009		70931	41683
4.024		146776	80851
4.09		17471	15363
4.109		320263	314111
4.151		47470	27792
4.177		266148	192692
4.219		275608	174944
4.237		210235	102613
4.249		604176	327791
4.275		365039	376240
4.327		2123094	1624035
4.367		104052	84942
4.396		177809	117175
4.421		387326	254077
4.438		69039	31589
4.463		2355175	1721824
4.565		2009081	1849990
4.618		298363	247625
4.657		552040	531826
4.692		2195975	1784533
4.724		1167536	818063
4.761		782361	597430
4.821		4023	3770
4.861		260960	180112
4.879		29063	15651
4.912		1571866	1167805
4.936		216820	140684
4.985		736353	649994
5.021		371854	293022
5.052		320488	276860
5.084		86653	52034
5.105		3463037	2822437
5.146		68818	49314
5.178		315668	262792
5.22		1680	645
5.261		3419	3905
5.296		38822	25266
5.319		734567	605363
5.363		2540643	2659920
5.46		2308	1669
5.484		1974	1269
5.518		223330	192626
5.564		50243	32654
5.586		281377	230496
5.635		555547	460842
5.691		942	1194
5.742		1202461	1006367
5.773		70656	51482
5.843		1967	3433
5.92		2557	10321
5.94		455352	386630
5.979		3410	4663
6.023		1705	1607
6.059		4733	5019
6.098	DCB	11931180	9920231
6.159		19435	32154
6.254		3780	7135
6.275		5502	6946
6.325		1607	1356
6.339		1925	577
6.379		624	1881
6.398		754	526
6.429		1476	482
6.445		1486	1325

RT B	Compound B	Height B	Area B
6.461		1922	959
6.497		1817	2437
6.517		1708	1873
6.55		13104	10162
6.589		1543	1333
6.642		1604	3642
6.677		1359	1177
6.742		2694	4666
6.784		1502	567
6.796		1348	502
6.829		1332	561
6.841		1822	1124
6.882		1500	1437
6.923		1858	1480
6.958		1669	433
6.988		1520	564

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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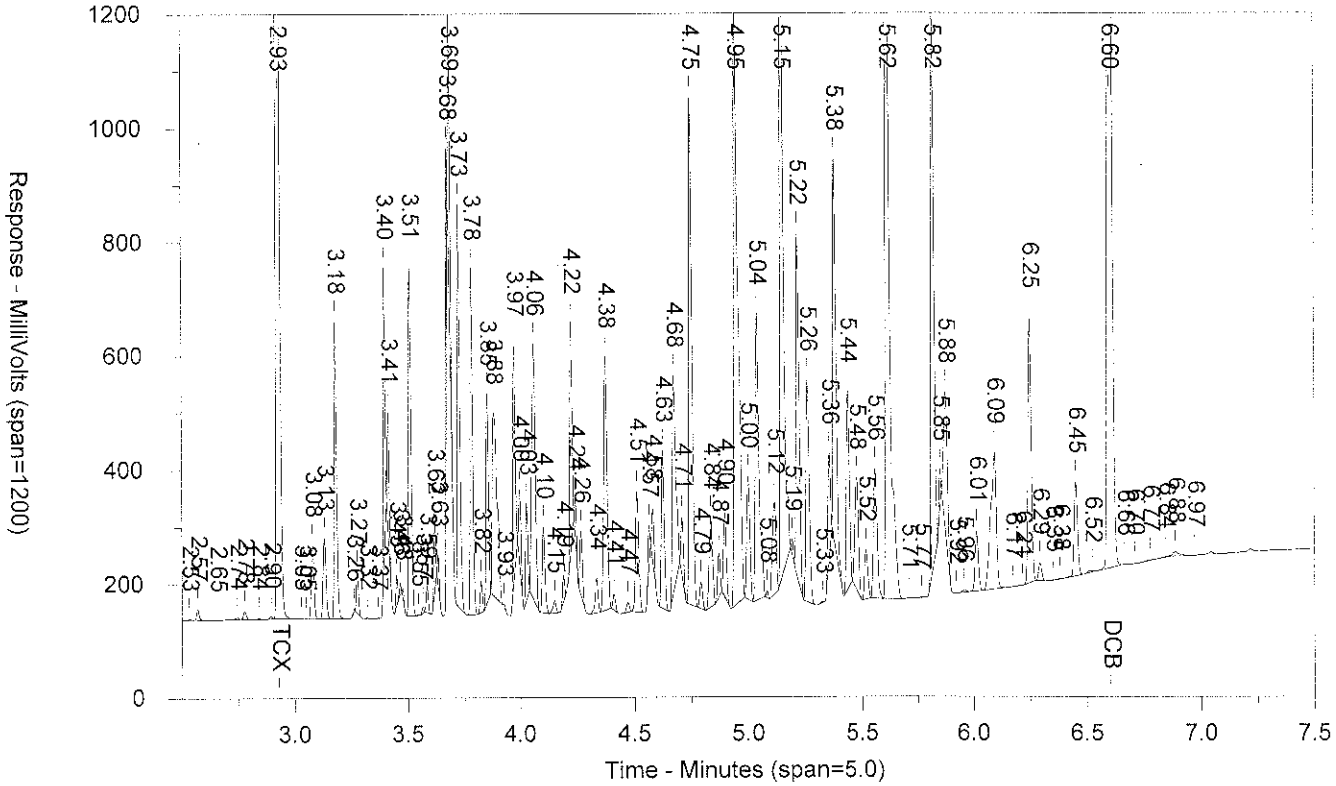

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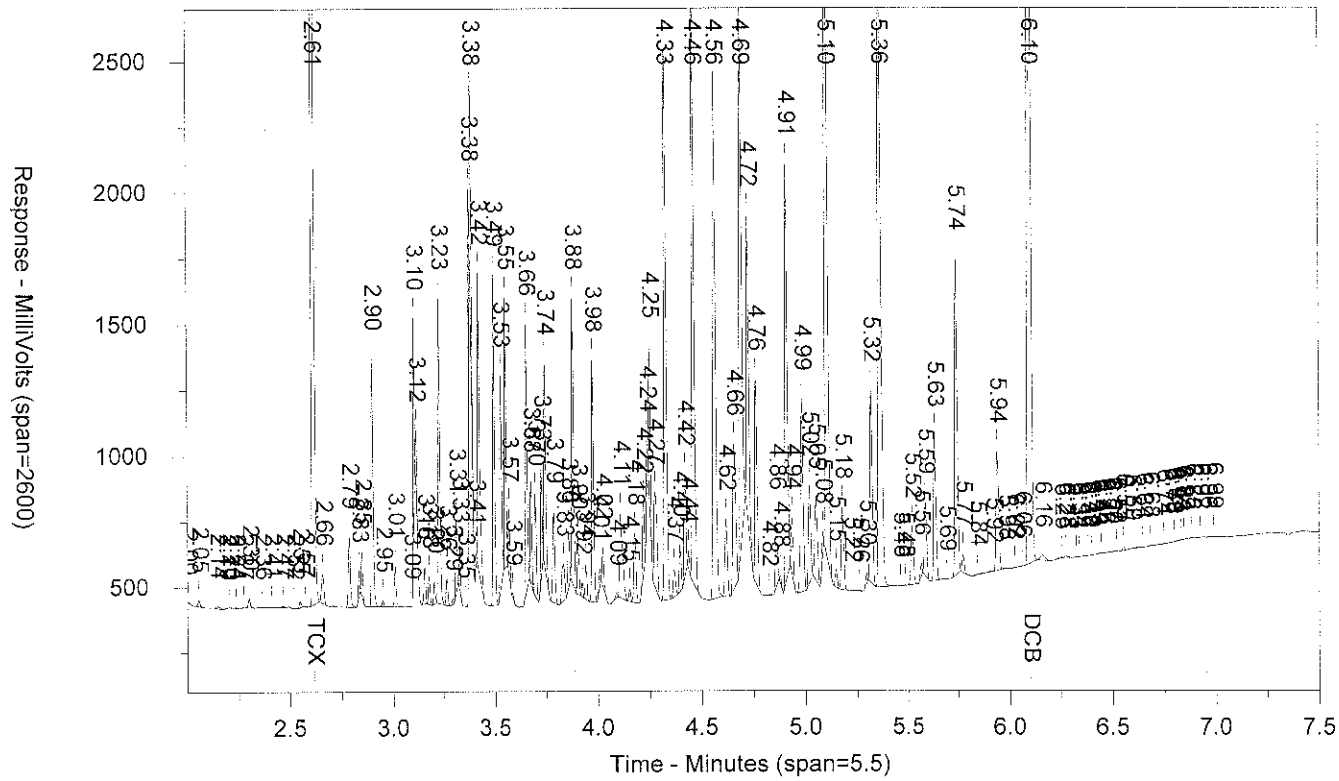

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 10:59:06 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	6215760	41.199	TCX	2.614	11086190	40.693	TCX
6.6	3676784	38.144	DCB	6.098	11931180	39.412	DCB

Files:
Area File: 25PCBS17284001.010.RAW
Area File: 25PCBS17284001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:29:09 PM

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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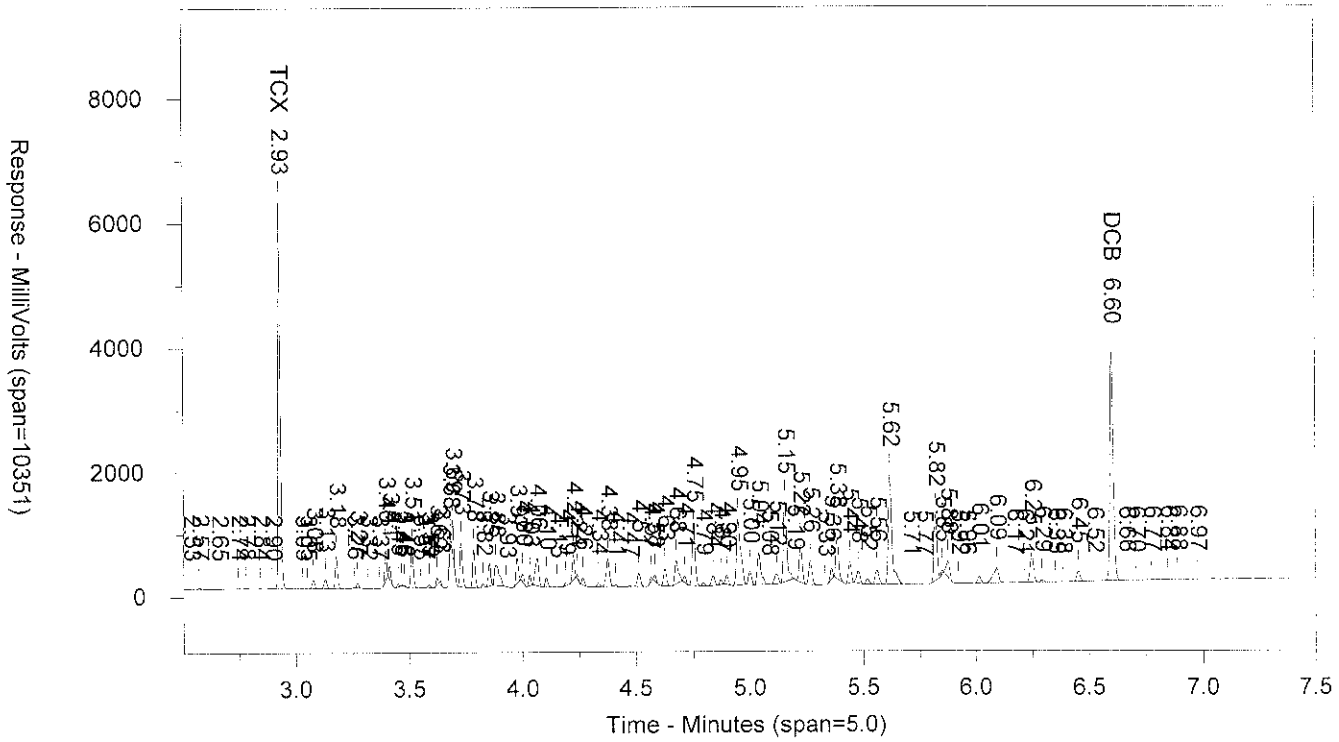

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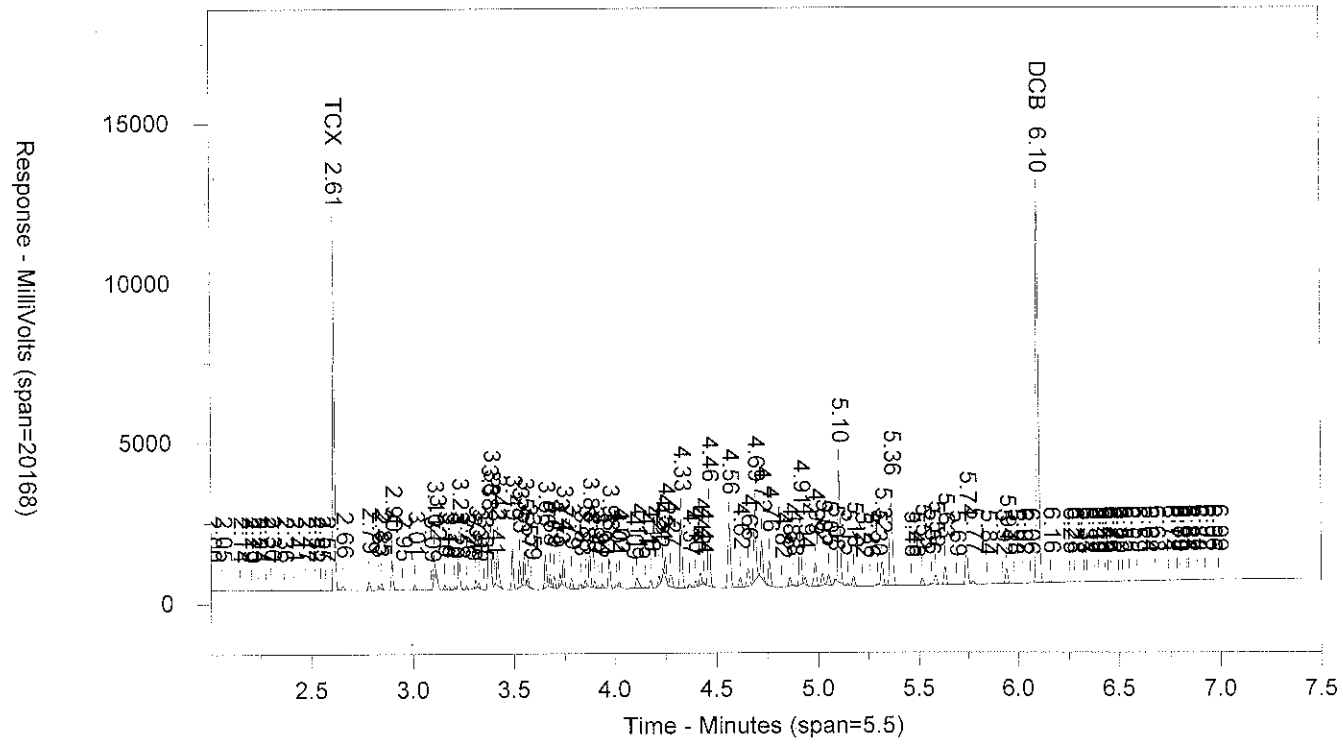

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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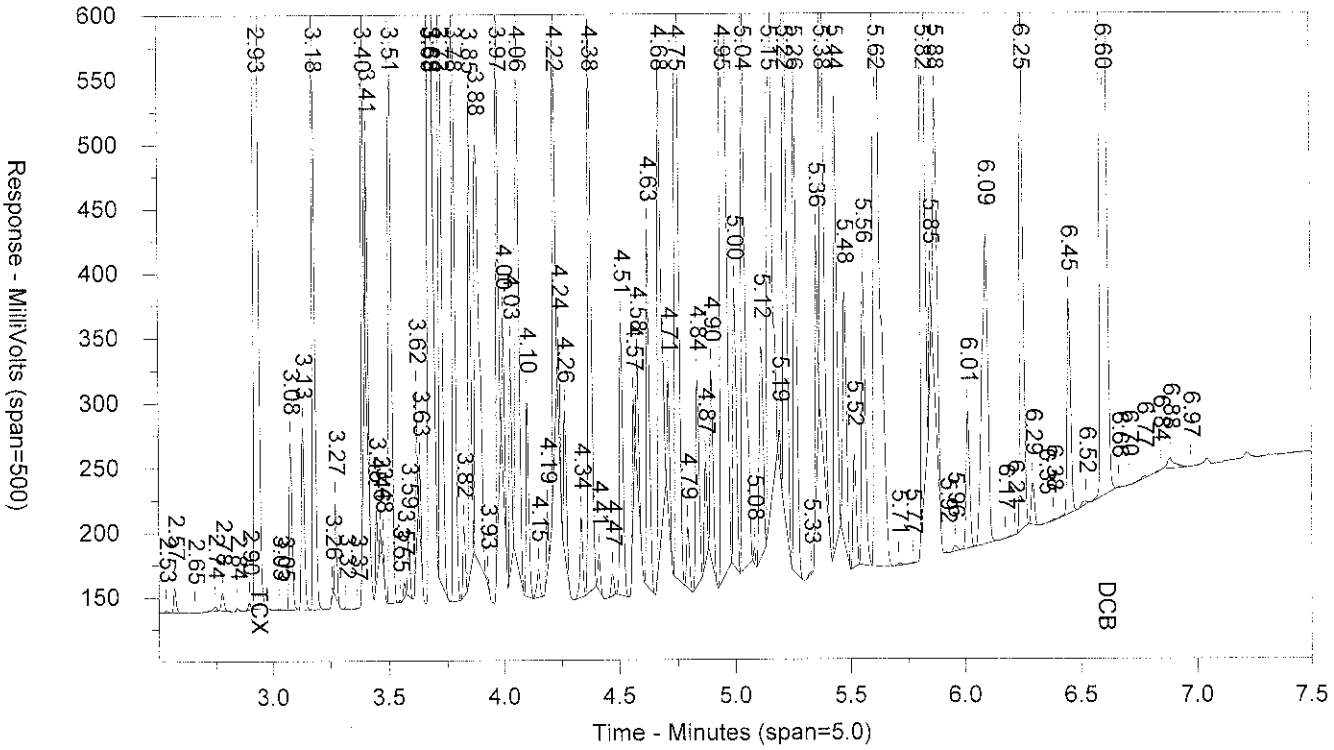

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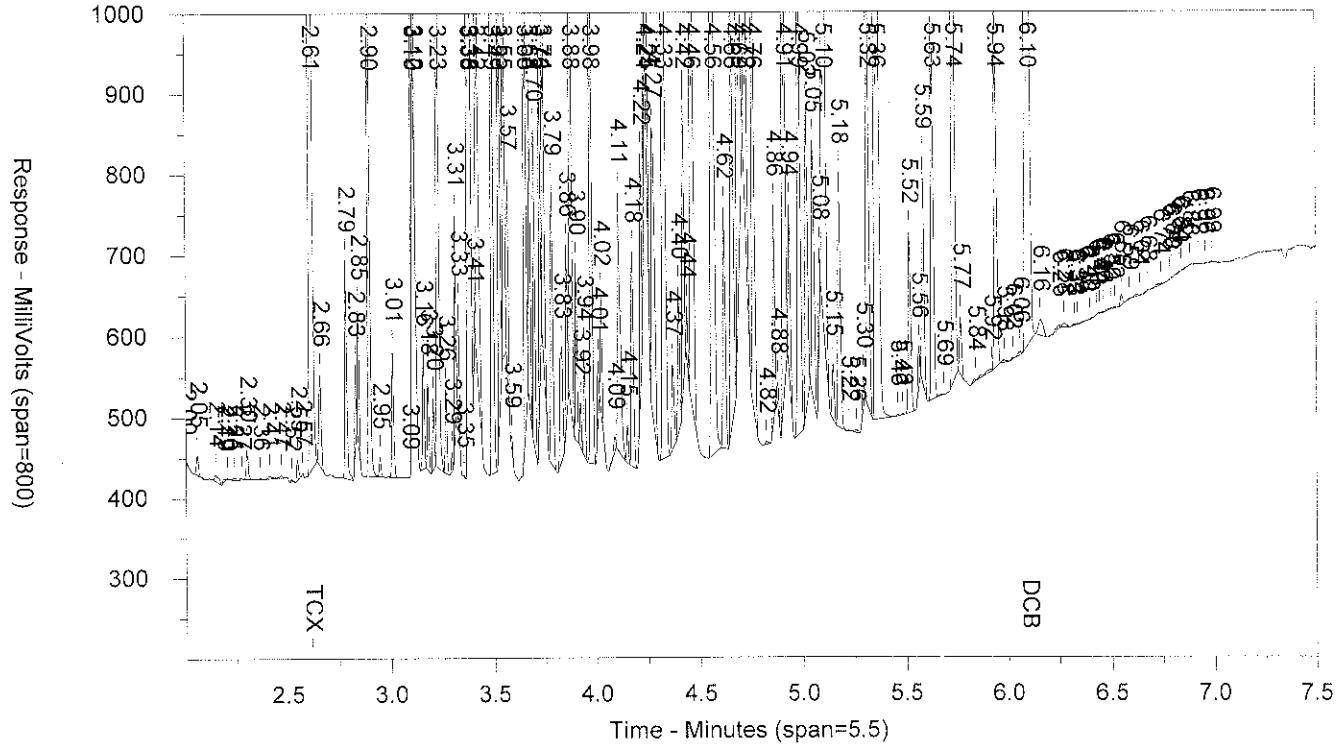

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 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: 25PCBS17284001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.006		456	197
2.035		10534	10021
2.089		14078	31755
2.203		440	221
2.231		42833	33827
2.296		636	601
2.338		22282	26018
2.431		4102	3249
2.49		7038	7078
2.532		1682	1583
2.569		40539	31675
2.653		787	567
2.747		2359	3790
2.778		16875	16016
2.843		6160	4878
2.895		4495	3361
2.931	TCX	9240029	6371764
3.028		2145	1366
3.077		287742	258215
3.133		278923	251610
3.18		1220770	891278
3.258		8916	4154
3.274		164210	113011
3.315		4124	2855
3.367		529	346
3.396		1101399	662701
3.413		510472	283716
3.45		116855	67760
3.465		38943	16064
3.476		40830	17783
3.51		1442974	1140302
3.548		4667	2288
3.566		18100	10671
3.586		108895	75814
3.621		261578	153868
3.635		120496	64447
3.679		545646	291362
3.689		1369210	711195
3.726		1689949	1316625
3.783		1517115	1112930
3.824		122132	89520
3.853		879169	636632
3.881		717352	1153393
3.975		952106	698596
3.999		317507	205489
4.03		368057	264932
4.063		1117708	1142256
4.103		336960	279675
4.149		54643	50519
4.189		100085	69515
4.223		868679	648438
4.241		155664	77396
4.265		254446	199238
4.335		143216	128123

RT A	Compound A	Height A	Area A
4.377		1051274	1059276
4.412		69424	53248
4.472		36536	31308
4.512		471080	459542
4.566		159493	107868
4.582		227896	152397
4.625		633306	578778
4.675		940865	970811
4.712		229977	170440
4.751		2225967	2046252
4.793		106324	95471
4.836		365764	382254
4.872		122885	93436
4.897		334398	303850
4.949		2554685	3243830
5.001		488431	456837
5.039		1220478	1356977
5.082		31277	17177
5.117		300194	367500
5.153		3232627	3212764
5.194		69647	34276
5.22		1440568	1333577
5.262		915213	897817
5.356		429096	333892
5.381		1556701	1433665
5.439		811541	748998
5.477		484452	485654
5.518		152286	159375
5.56		534399	612671
5.618		4299768	4649678
5.709		4048	5228
5.765		1601	2066
5.821		2600012	2465213
5.852		155752	97069
5.876		550950	616066
5.92		1522	1082
5.958		4112	4733
6.014		173260	182411
6.091		532003	820288
6.202		921	1484
6.247		1072889	1086532
6.292		75422	70808
6.34		675	545
6.379		1481	1181
6.425		160	152
6.45		357145	364789
6.517		1362	2098
6.599	DCB	5606562	5695541
6.662		1904	1640
6.785		564	3715
6.843		731	187
6.88		7473	14794
6.973		1302	975

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 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: 25PCBS17284001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		597	833
2.055		36837	27495
2.111		1684	1386
2.145		10161	13695
2.188		5862	8704
2.274		1526	1876
2.301		75679	54017
2.413		3553	3980
2.467		2616	1617
2.495		3811	3129
2.52		3874	3345
2.547		31830	21191
2.571		10113	6067
2.614	TCX	17069660	9810119
2.658		237909	188609
2.785		600566	406810
2.832		131417	61299
2.846		379325	205708
2.898		2137723	1328651
2.948		35474	20604
3.009		326061	210919
3.07		651	141
3.087		1484	483
3.105		1645459	797077
3.116		569814	210200
3.156		311149	189188
3.177		233846	133004
3.203		195972	109278
3.227		2614342	1757367
3.264		229956	133404
3.291		36748	17153
3.31		593298	320173
3.325		332507	164077
3.351		3950	1820
3.376		1257258	626883
3.385		2833076	1220865
3.405		125436	45445
3.419		2604305	1829863
3.493		3070676	1825861
3.528		1901908	1159082
3.552		2472852	1349947
3.57		596718	288475
3.586		32185	15326
3.655		2475795	1585041
3.678		937897	490323
3.699		900379	538088
3.728		890881	487363
3.745		2003538	1116732
3.785		792771	563752
3.83		305829	308067
3.855		495101	309938
3.877		2573210	1689074
3.902		525742	304202
3.921		132250	66401

RT B	Compound B	Height B	Area B
3.94		293654	183680
3.975		2218768	1500279
4.009		170426	102109
4.024		311056	171023
4.069		10966	5992
4.089		41047	28510
4.109		729990	699897
4.151		71058	42366
4.176		643072	450025
4.218		583535	365611
4.236		549532	259971
4.249		1441907	789847
4.275		875462	877026
4.326		5279124	3960171
4.366		233449	190981
4.396		427550	284364
4.42		936294	630721
4.437		74945	28688
4.463		5696349	4254077
4.564		4756025	4572663
4.617		709351	582617
4.656		1350630	1177263
4.691		5388907	4453282
4.723		2889590	1971740
4.762		1909030	1454524
4.822		11050	10565
4.86		566487	421866
4.877		67959	34647
4.912		3727591	2883819
4.936		497040	324437
4.985		1770455	1554933
5.02		902987	706555
5.051		724346	613809
5.082		244509	145462
5.104		9014132	7094056
5.145		164871	119603
5.176		576200	477105
5.218		2171	1099
5.257		4226	3502
5.295		92916	59046
5.319		1756713	1430556
5.363		6708825	6501283
5.436		2096	1056
5.482		2393	1498
5.518		390906	329668
5.563		129287	86750
5.585		469718	369386
5.634		1231395	1028215
5.674		1772	1681
5.741		2976182	2352514
5.773		166252	124042
5.838		3274	2699
5.859		1122	768
5.871		2861	1796
5.897		3235	3063
5.939		1011832	842824
5.97		3360	1696
5.993		1359	795
6.024		1785	1445
6.058		4853	4784
6.098	DCB	17541790	14783750
6.164		18090	24827
6.254		2945	6903
6.276		9696	11611
6.332		1332	2564
6.359		1289	542

RT B	Compound B	Height B	Area B
6.374		873	668
6.458		1192	4820
6.486		1653	1143
6.508		2406	2606
6.55		19364	16574
6.597		1433	2229
6.63		2552	4577
6.657		1430	191
6.677		1202	1209
6.72		6086	8773
6.753		1318	487
6.814		972	4028
6.839		2454	2147
6.878		2236	2136
6.893		2818	4094
6.943		1949	1624
6.97		1722	797

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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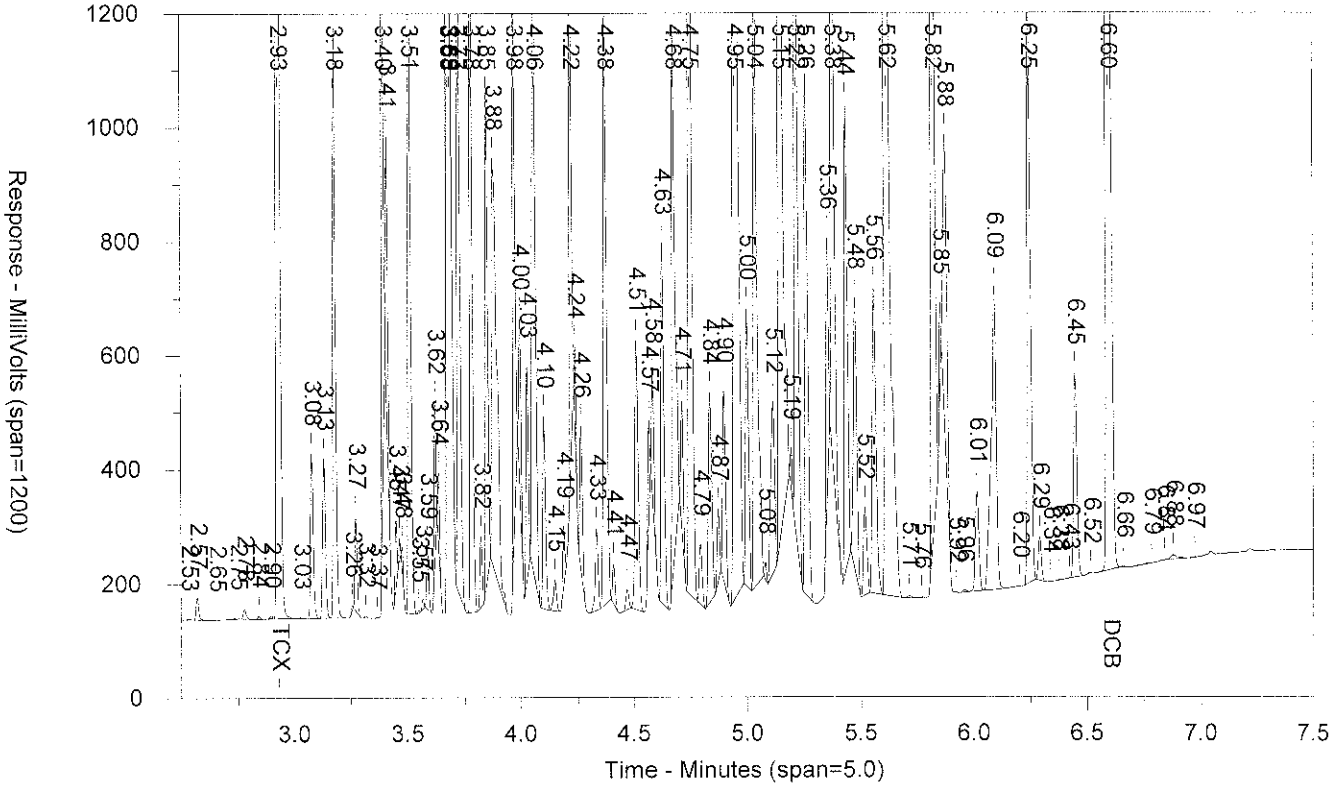

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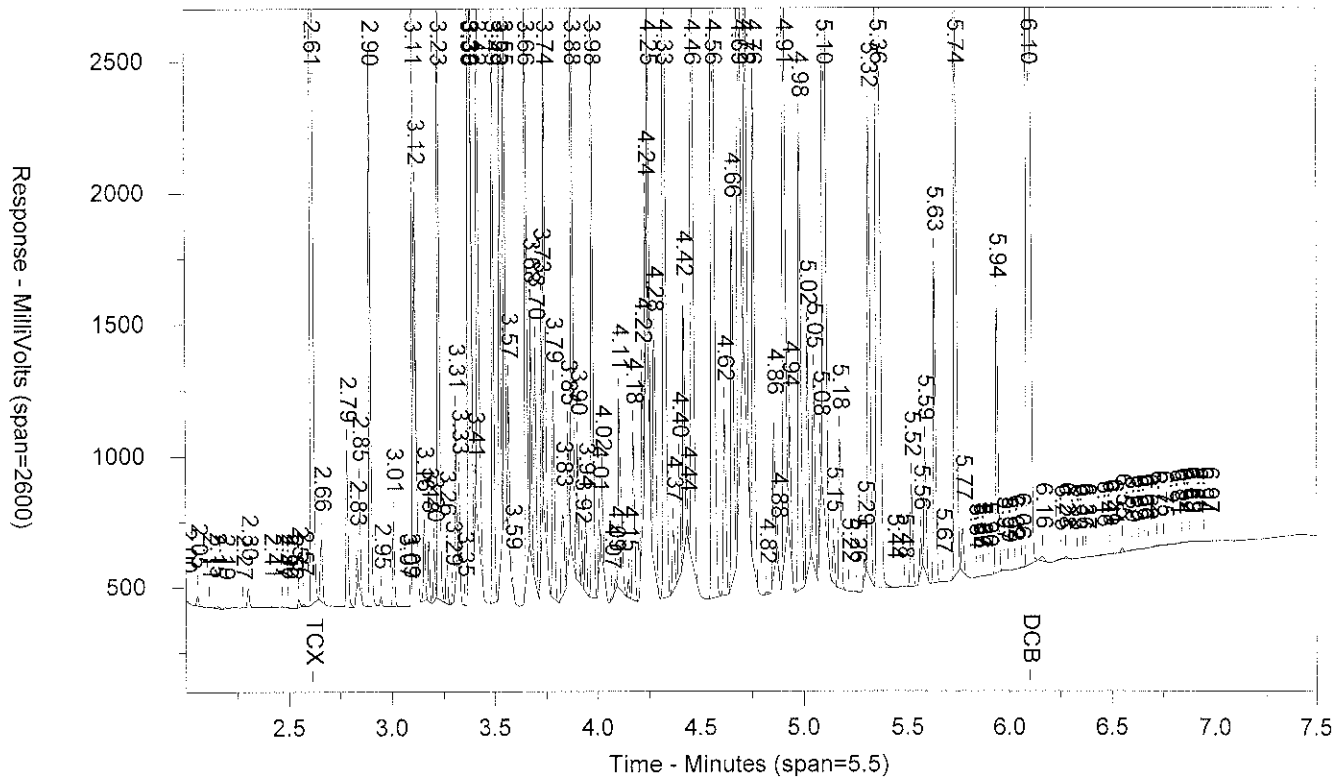

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:10:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	9240029	61.245	TCX	2.614	17069660	62.656	TCX
6.599	5606562	58.165	DCB	6.098	17541790	57.945	DCB

Files:
Area File: 25PCBS17284001.011.RAW
Area File: 25PCBS17284001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:14 PM
File Reported On: 10/12/2017 at 3:29:33 PM

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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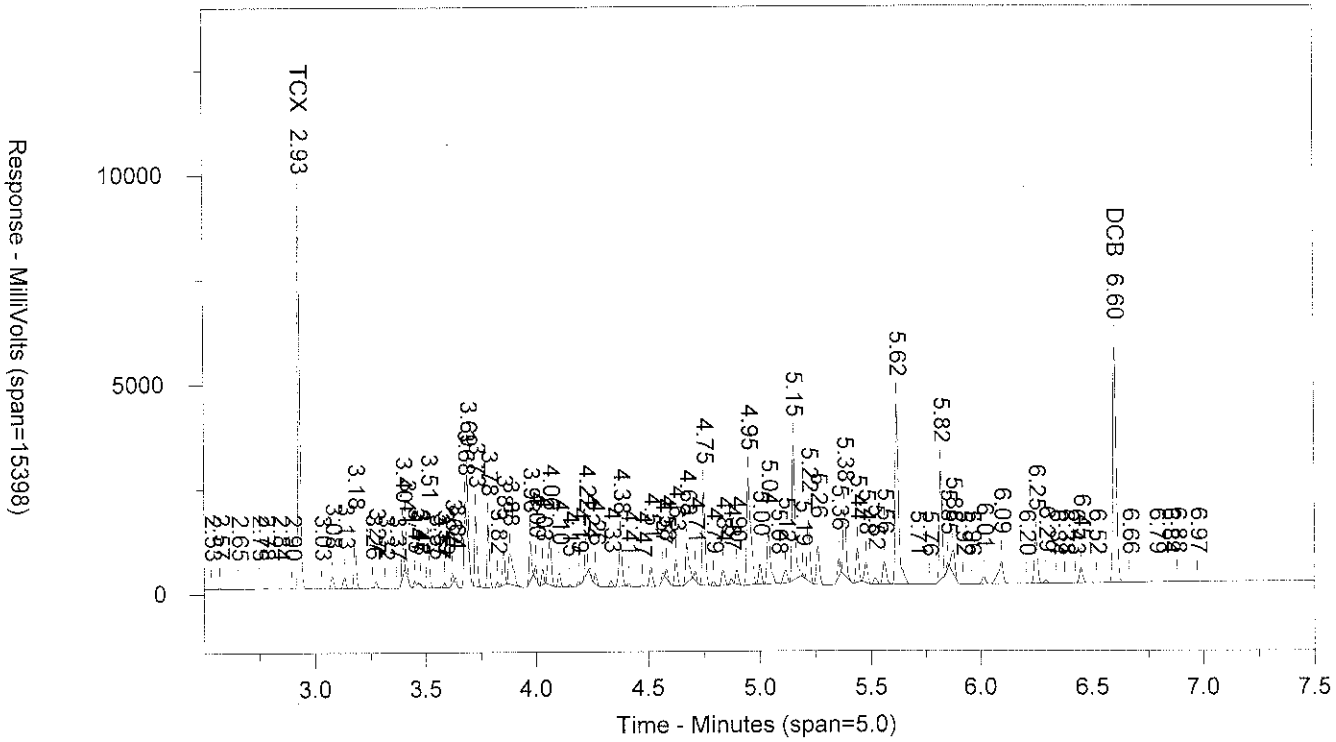

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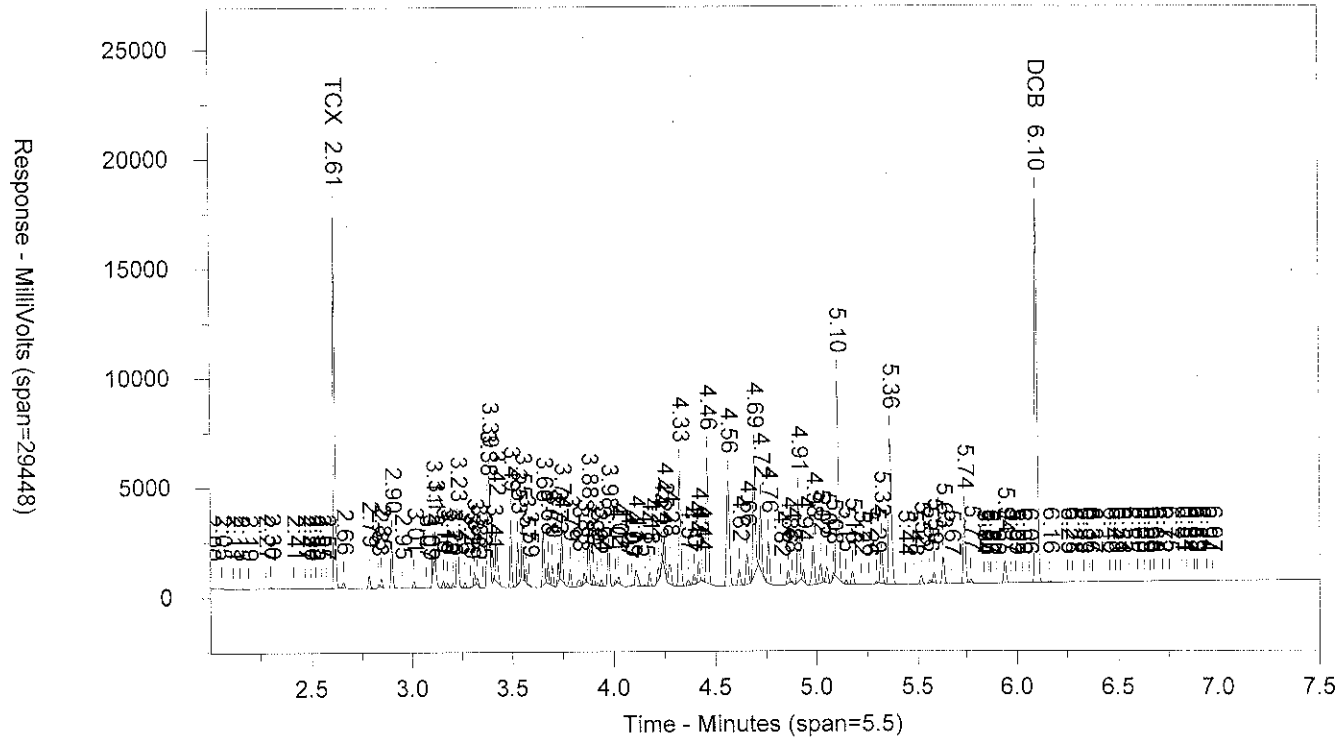

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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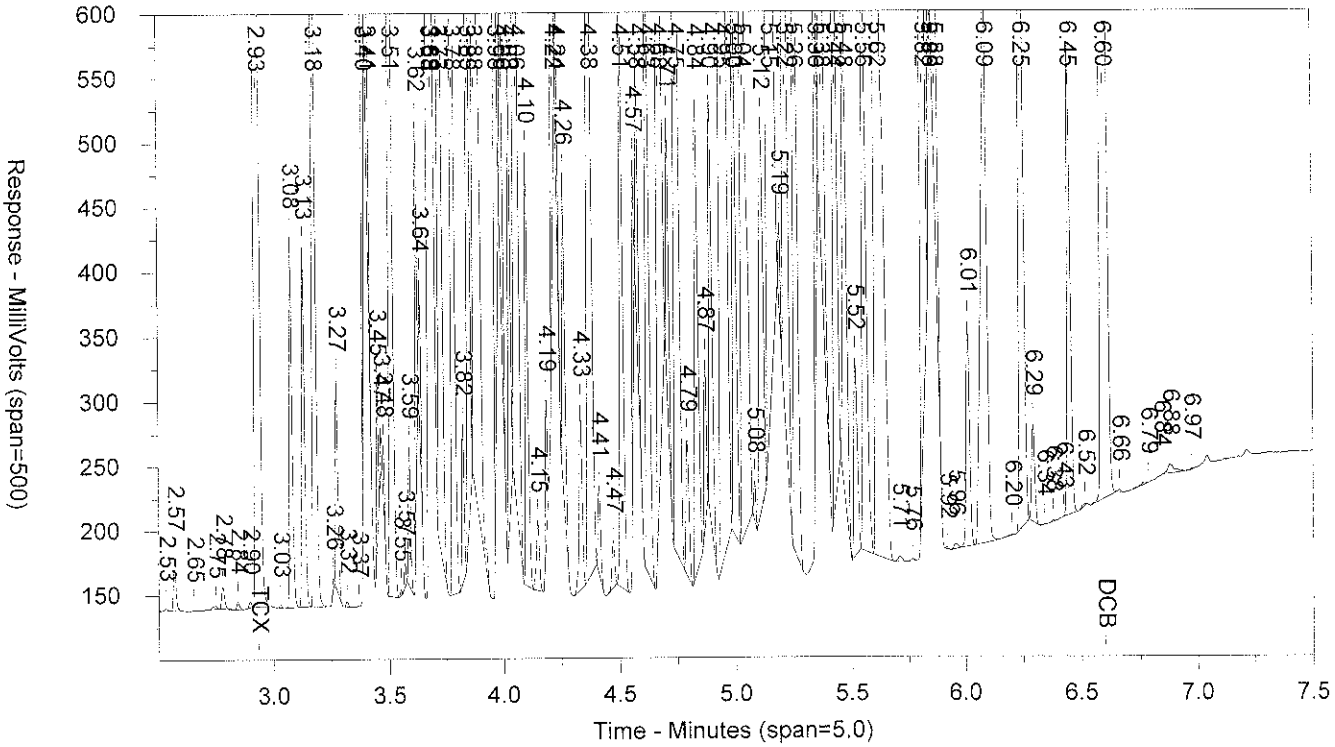

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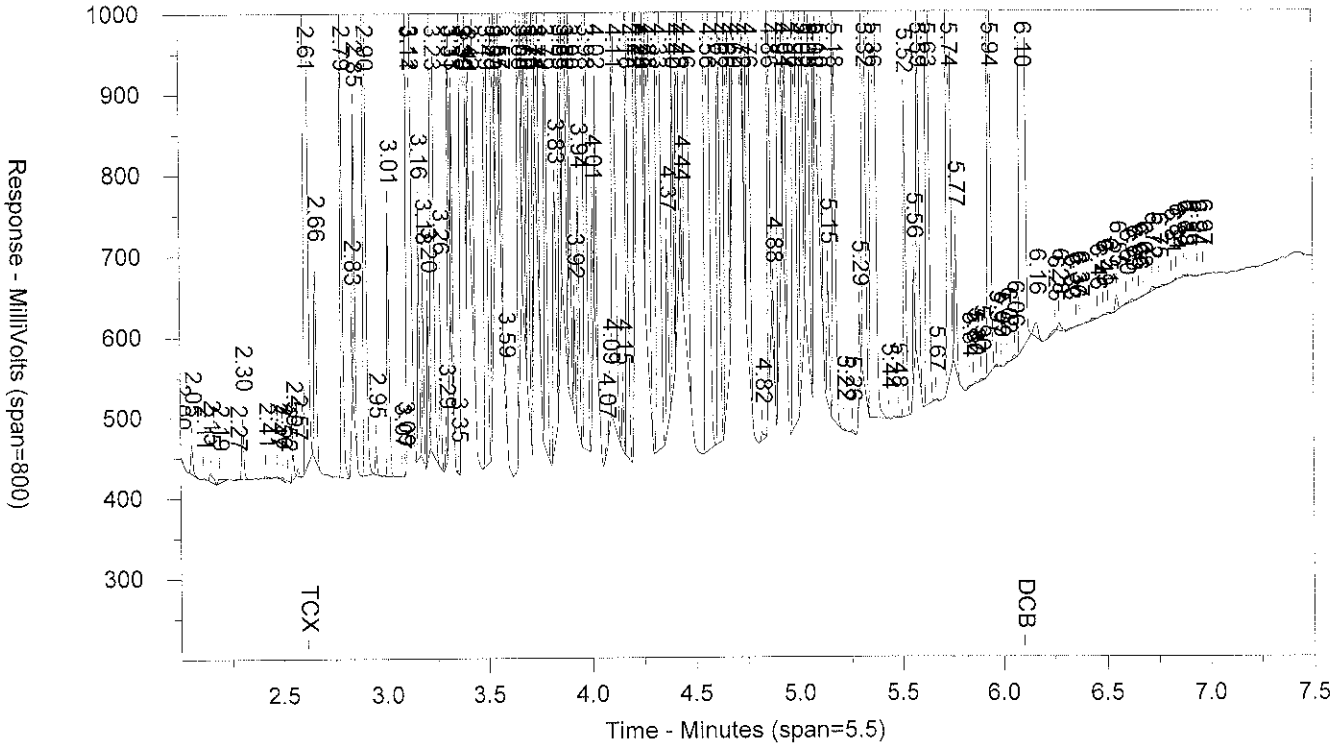

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 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: 25PCBS17284001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		8242	7848
2.087		14450	31772
2.203		766	374
2.23		55241	43357
2.338		27305	30285
2.431		5349	4428
2.489		5341	5728
2.532		1564	1619
2.568		74015	57227
2.655		1132	1183
2.711		520	350
2.746		2292	2639
2.776		16877	14591
2.841		11584	8962
2.896		3152	2377
2.929	TCX	12108330	8416112
3.027		3288	2104
3.076		550658	484566
3.132		511657	432112
3.179		2375458	1722468
3.256		9625	4566
3.272		307171	213112
3.314		9036	5801
3.394		2188928	1284968
3.411		1006310	549599
3.448		225506	129734
3.464		63644	28068
3.474		65904	29902
3.508		2844411	2219002
3.546		9413	4590
3.563		28683	17118
3.584		204222	145685
3.619		490563	289160
3.633		265359	131950
3.676		1094737	632887
3.687		2829298	1455899
3.724		3396286	2612628
3.781		2980047	2223720
3.822		214914	162979
3.85		1700342	1244747
3.879		1459165	2252981
3.973		1911845	1404695
3.997		631301	390301
4.028		736794	507283
4.061		2225446	2274160
4.101		650424	533413
4.147		107741	101204
4.187		182211	126402
4.221		1823390	1334297
4.239		322652	164140
4.263		461692	375136
4.333		267088	242934
4.375		2069327	2065394
4.409		130692	100745

RT A	Compound A	Height A	Area A
4.47		70345	59041
4.51		889872	861072
4.564		279131	193768
4.58		403744	276159
4.624		1262282	1129386
4.673		1801786	1903175
4.709		445412	323612
4.749		4321870	4067647
4.792		191786	175880
4.834		722071	732946
4.869		179506	135935
4.896		649164	586005
4.947		5199572	6454346
4.998		947799	860312
5.038		2466321	2678898
5.08		58529	33660
5.115		501938	622932
5.151		6481004	6471130
5.192		134847	69091
5.218		2813504	2649803
5.261		1814411	1752624
5.354		890874	698270
5.38		3319424	2932186
5.436		1614844	1469286
5.475		933210	933637
5.517		232074	253525
5.558		1106905	1189104
5.616		8813694	9237048
5.706		7853	10244
5.768		2789	3193
5.819		5315422	4925780
5.85		293536	180128
5.876		1165575	1283928
5.919		3216	2277
5.965		2464	3177
6.012		252372	261788
6.091		980103	1428721
6.176		530	800
6.198		1491	1863
6.246		2139128	2106472
6.292		139665	133201
6.341		1011	692
6.385		1175	1904
6.449		624763	649445
6.521		3767	5342
6.599	DCB	7289360	7485780
6.659		5124	5281
6.723		337	465
6.747		627	651
6.764		857	294
6.786		651	607
6.817		806	1184
6.847		568	947
6.882		7791	17699
6.967		572	297
6.982		792	438

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 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: 25PCBS17284001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		47095	37416
2.144		12227	13941
2.186		5629	7794
2.233		2089	2411
2.3		127026	96859
2.41		3794	4171
2.467		2943	2812
2.547		34270	27414
2.571		19588	11228
2.614	TCX	22234370	13097840
2.658		412170	333148
2.785		1113172	748623
2.832		151998	67820
2.846		723568	396099
2.898		4192003	2535049
2.947		45369	26010
3.009		582492	381751
3.067		1176	536
3.086		1931	891
3.104		3088324	1554607
3.115		1161749	447500
3.155		576835	356535
3.176		417325	241668
3.202		368463	204543
3.226		5135051	3389075
3.263		400139	241792
3.29		44999	20591
3.309		1172535	621185
3.324		658331	313240
3.35		7496	3439
3.374		2961327	1384331
3.384		5519257	2366465
3.404		249066	91726
3.418		5427647	3655880
3.492		5972389	3630203
3.527		3764402	2295430
3.55		4759249	2678053
3.568		1168281	572261
3.584		50426	24465
3.624		1091	416
3.654		4828637	3132286
3.677		1822929	949518
3.697		1818321	1042485
3.726		1843044	977558
3.743		4036362	2281827
3.783		1508913	1087275
3.829		564056	569685
3.853		969016	613747
3.875		5286489	3423770
3.9		1010133	602657
3.92		238541	120446
3.938		563645	342580
3.973		4447989	2979307
4.007		346285	206598

RT B	Compound B	Height B	Area B
4.022		588722	311943
4.067		23209	12456
4.088		67787	52721
4.107		1350058	1330521
4.15		114913	64888
4.174		1245466	890858
4.216		1233684	759197
4.235		1112331	508247
4.248		3153585	1721302
4.273		1719919	1741114
4.324		10918560	7887949
4.365		434321	354450
4.394		890684	578489
4.418		1943700	1302006
4.435		91861	34743
4.46		11850120	8577930
4.562		9724142	9169579
4.615		1389521	1134935
4.654		2580883	2243216
4.689		11659360	9207633
4.721		5707439	3964069
4.759		3878493	2959269
4.819		21330	22668
4.859		1191355	837822
4.875		96521	50431
4.909		7654921	5807768
4.933		1011849	647431
4.982		3634760	3122589
5.018		1808675	1404165
5.048		1443275	1180628
5.081		524804	318473
5.102		18390400	14532820
5.143		331635	238136
5.175		955281	786952
5.217		5544	3241
5.253		6121	4770
5.293		167620	108392
5.316		3667574	2854049
5.361		12845610	13174730
5.431		3045	1663
5.461		4190	2375
5.48		6116	3758
5.516		566787	486347
5.561		279293	198751
5.584		678066	512538
5.633		2369736	1994165
5.68		2021	1063
5.74		5878639	4709058
5.771		317893	239879
5.837		3471	2882
5.869		2103	2229
5.896		2731	2244
5.938		1819497	1513264
5.968		4197	2306
5.989		2623	1367
6.021		2157	1959
6.059		4893	4260
6.097	DCB	23898270	19567140
6.159		16849	23464
6.24		1872	3237
6.253		2755	1898
6.276		17193	15904
6.345		1261	597
6.364		1433	620
6.396		946	287
6.437		2911	3829

RT B	Compound B	Height B	Area B
6.487		1712	2600
6.502		3116	2137
6.548		23217	19559
6.581		1256	618
6.622		4972	6148
6.681		2473	3058
6.723		7294	10612
6.849		1857	6932
6.88		2148	2227
6.901		1545	982
6.94		4066	4678
6.987		893	1076

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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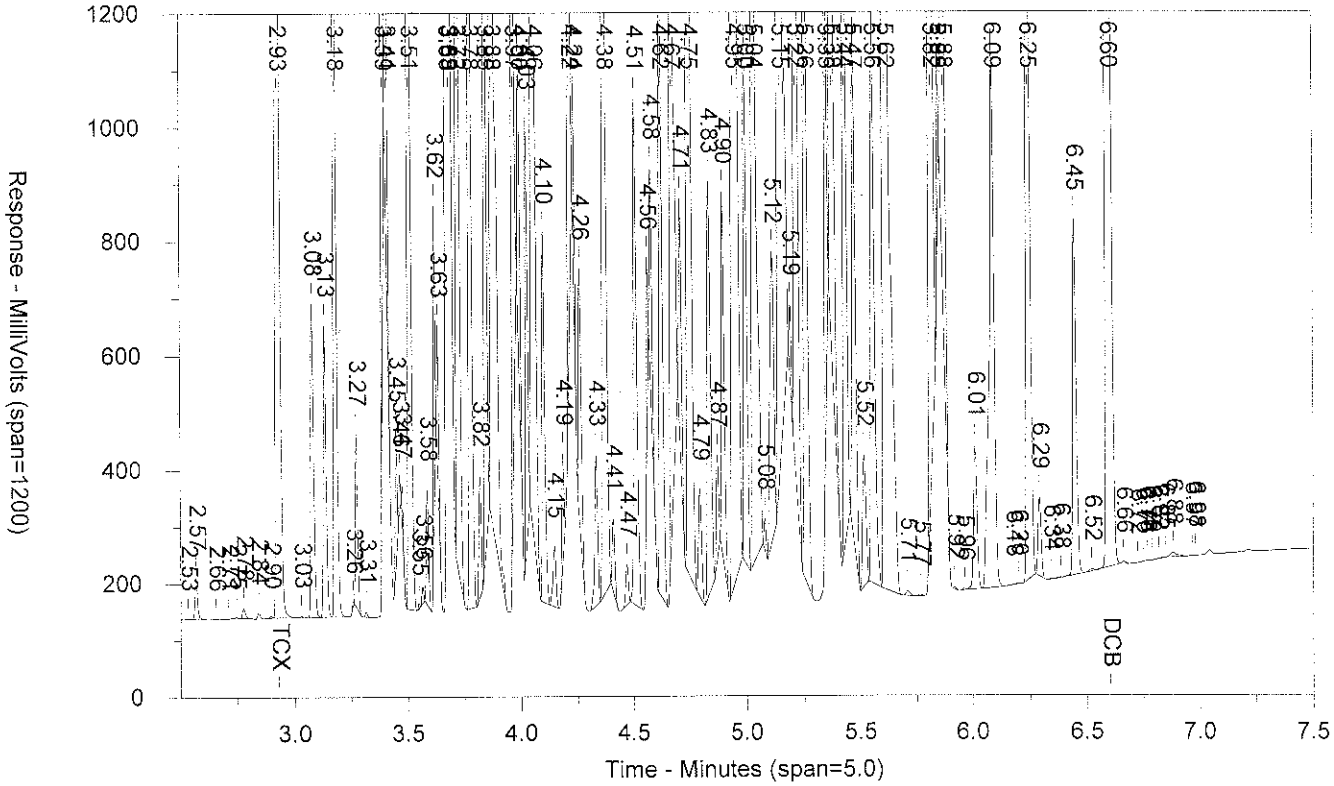

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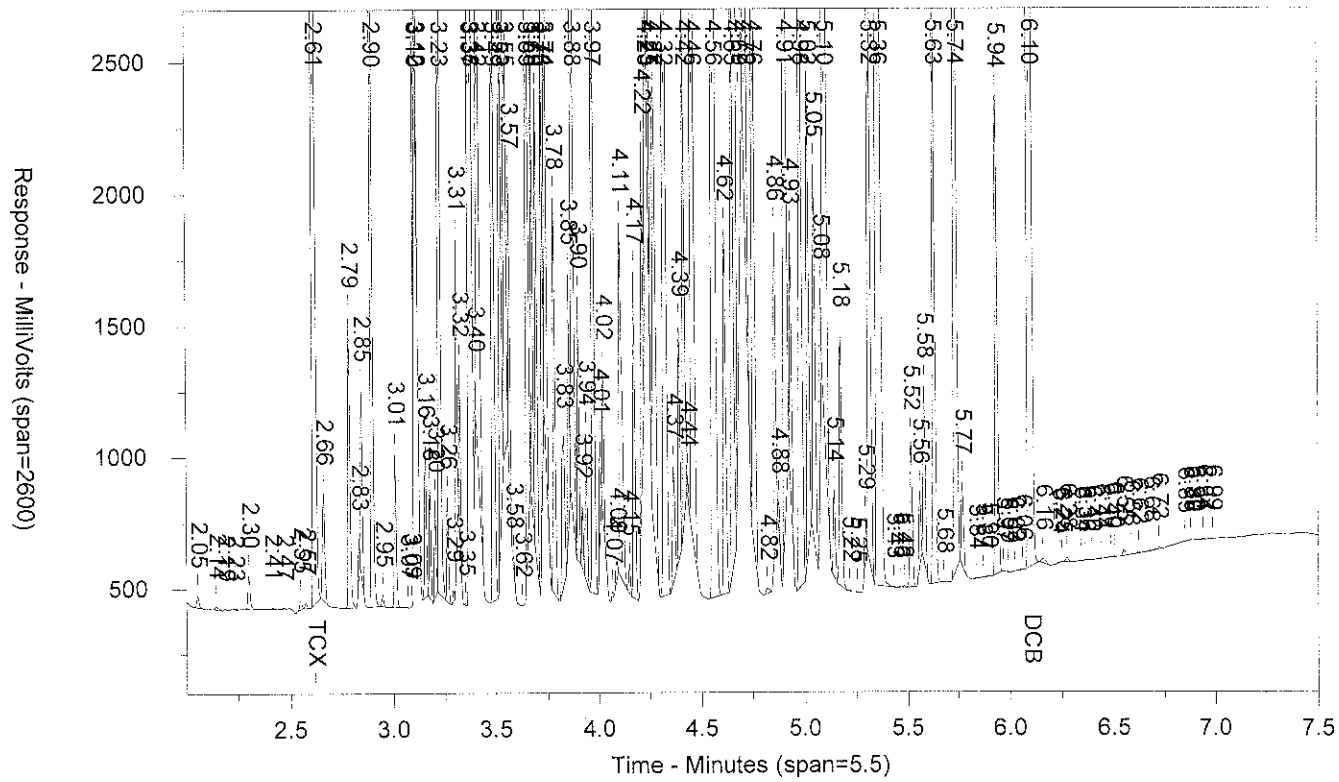

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:21:43 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
2.929	12108330	80.256	TCX	2.614	22234370	81.613	TCX
6.599	7289360	75.622	DCB	6.097	23898270	78.941	DCB

Files:
Area File: 25PCBS17284001.012.RAW
Area File: 25PCBS17284001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:29:59 PM

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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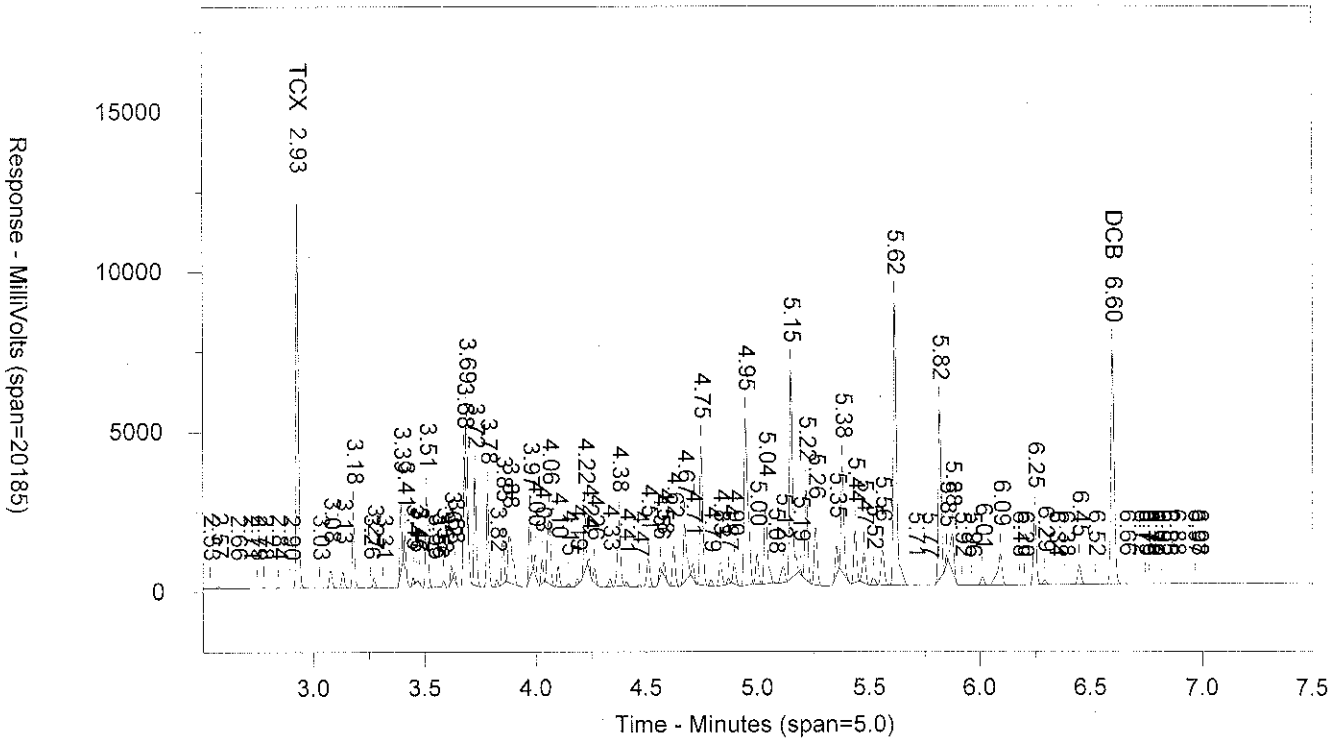

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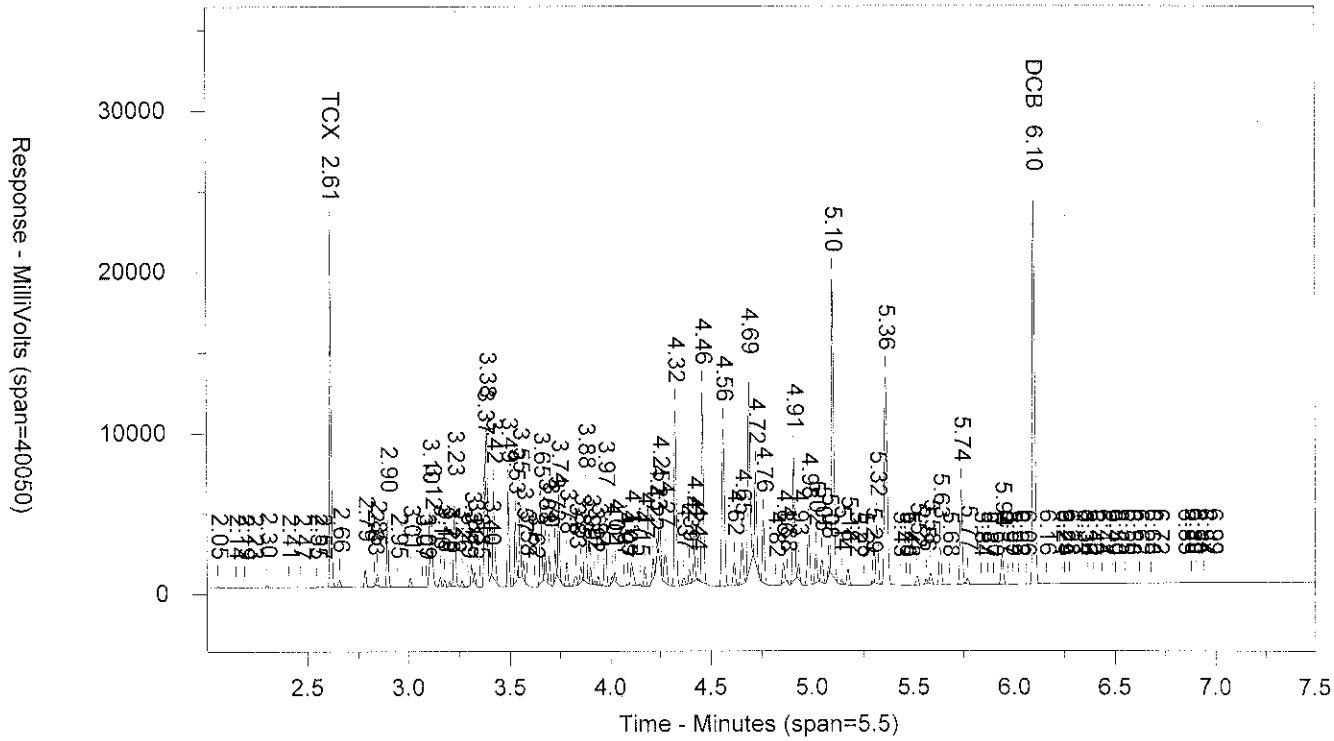

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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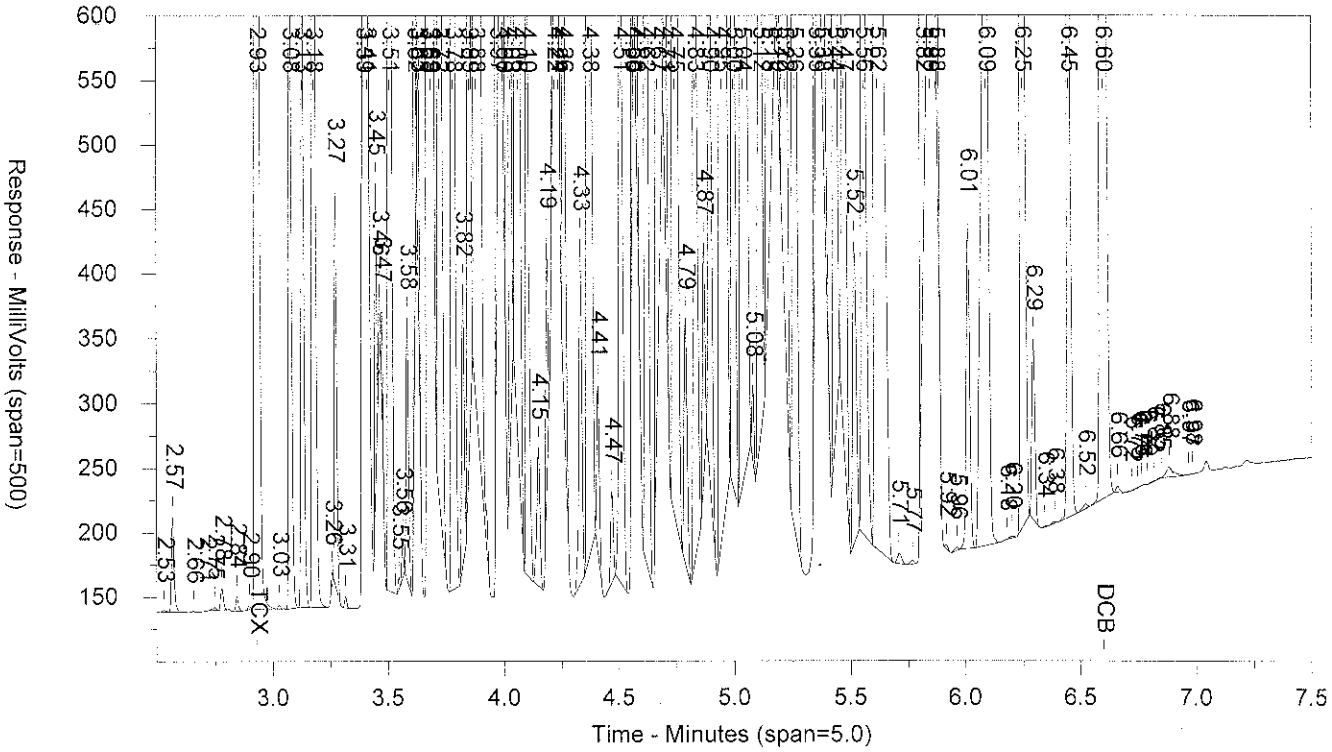

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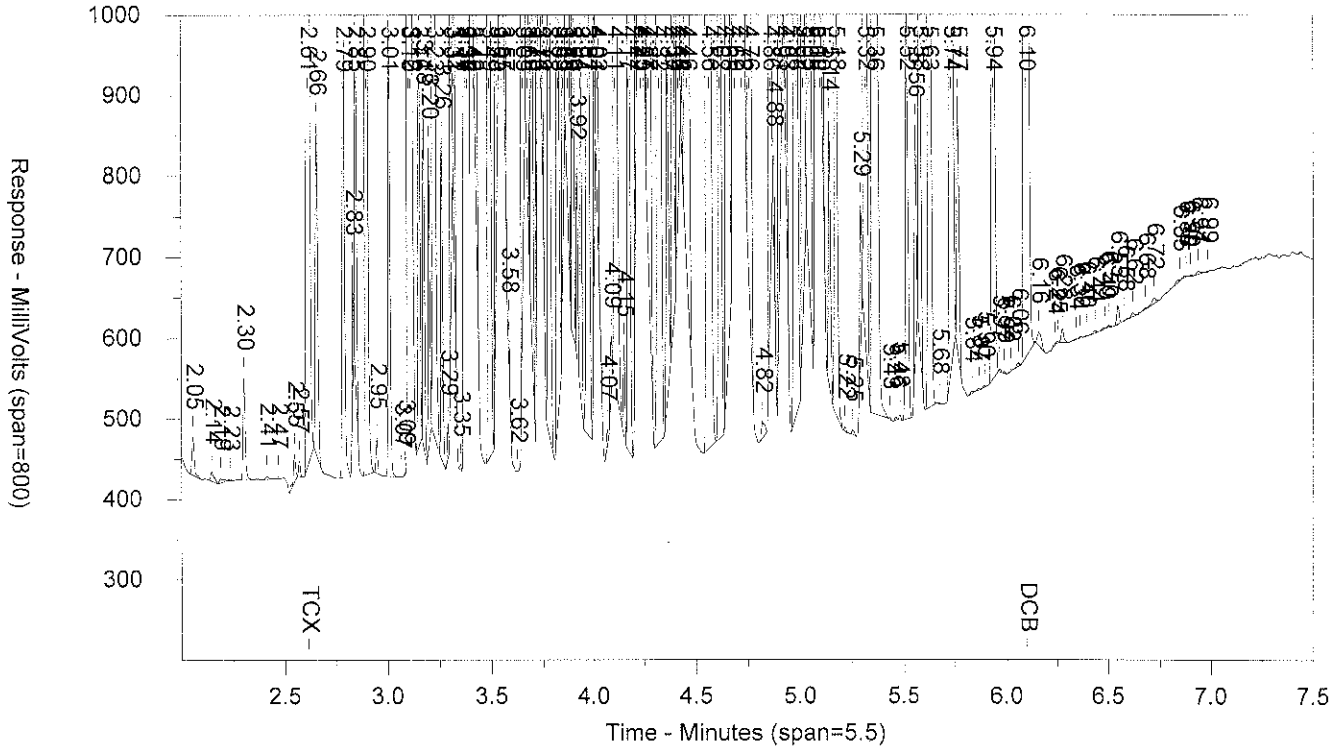

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 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: 25PCBS17284001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		9104	8273
2.089		11239	23941
2.229		2077	3917
2.33		12165	8865
2.368		602	672
2.491		5754	5877
2.532		1575	1348
2.57		1415	762
2.689		360	246
2.711		434	271
2.747		1726	1675
2.778		12394	11589
2.854		564	368
2.897		4223	3538
2.93	TCX	279775	194040
2.969		560	246
3.079		7770	6906
3.13		5183	5144
3.181		19185	14233
3.262		1510	994
3.273		1819	853
3.369		307	211
3.397		36958	23002
3.413		11113	6088
3.45		2184	1152
3.466		2886	2158
3.511		40545	31458
3.54		519	375
3.566		541	228
3.587		4743	2712
3.605		1444	639
3.621		5302	2958
3.636		1663	725
3.679		26225	14898
3.69		29251	13553
3.728		55144	43028
3.784		46297	35245
3.824		6910	4992
3.853		74742	56038
3.88		44938	36838
3.902		10004	5027
3.931		3112	2522
3.976		86175	61751
4		22821	14582
4.031		29722	21126
4.064		71123	66296
4.104		24362	19598
4.151		1786	1373
4.171		1626	1034
4.191		5950	4084
4.223		52633	35473
4.242		64604	41058
4.266		80262	62050
4.336		6943	6379

RT A	Compound A	Height A	Area A
4.37		74161	107283
4.412		18533	12647
4.453		1091	738
4.474		4040	3069
4.516		22157	20436
4.566		29591	25694
4.597		14030	10785
4.627		51813	44345
4.677		1006	758
4.71		19217	17676
4.752		4930	5792
4.799		4645	4206
4.839		31782	30136
4.873		2641	1923
4.904		263	411
4.916		1753	1273
4.966		8064	13924
5.035		30095	31433
5.083		1044	604
5.113		5211	5533
5.154		9285	9148
5.194		831	433
5.221		1450	1428
5.264		1055	1081
5.325		4602	5626
5.359		2503	2077
5.386		1723	1381
5.442		877	1130
5.48		663	768
5.52		2694	3127
5.558		1646	1585
5.62		2699	2092
5.646		6860	8751
5.725		672	528
5.772		252	278
5.824		2548	3330
5.882		1345	2652
5.957		3837	6900
6.015		4641	4987
6.055		774	194
6.078		8000	9695
6.14		501	552
6.16		565	324
6.247		3872	5996
6.289		2020	2461
6.331		738	599
6.453		4020	6620
6.514		2133	2542
6.6	DCB	206714	220512
6.703		828	1207
6.726		734	245
6.773		1797	2541
6.859		780	517
6.885		7325	13627

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 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: 25PCBS17284001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1409	1085
2.115		1446	1482
2.157		4323	3970
2.187		2897	2173
2.207		1714	1346
2.229		1989	2530
2.302		3479	3163
2.412		3056	4683
2.467		2761	1941
2.517		3174	1579
2.548		24895	20354
2.614	TCX	505490	306028
2.658		6531	5261
2.713		1755	1443
2.786		18603	15527
2.832		7309	3811
2.848		5584	3087
2.898		42044	27389
3.011		7865	5685
3.069		927	264
3.086		392	135
3.105		61278	30948
3.116		12952	5007
3.157		6132	3401
3.178		7942	5518
3.202		1610	789
3.227		80889	52288
3.264		12471	7095
3.294		2000	935
3.311		13976	7477
3.326		7807	4301
3.346		525	254
3.355		1598	495
3.376		57960	28273
3.385		59755	25671
3.405		14230	6051
3.419		84698	57274
3.453		1677	984
3.475		625	69
3.494		99323	64077
3.528		165477	103726
3.552		152480	87932
3.571		49741	24912
3.629		925	227
3.636		767	258
3.656		197348	129147
3.679		66113	34832
3.7		69561	41194
3.729		37476	19052
3.745		130212	79648
3.786		57014	40217
3.833		10673	8934
3.855		99339	63276
3.878		227990	153078

RT B	Compound B	Height B	Area B
3.903		155916	98080
3.921		13465	6398
3.942		16416	10941
3.976		79305	50933
4.011		120327	100428
4.039		54919	29193
4.085		13767	12745
4.12		48078	36277
4.152		3753	2690
4.177		74763	54164
4.21		42177	28076
4.237		111351	84374
4.33		46792	45916
4.367		9432	7002
4.398		62776	46367
4.421		2395	1180
4.438		4935	3580
4.464		9231	5928
4.488		3927	3266
4.521		899	511
4.563		11750	14908
4.616		58368	48599
4.663		9687	9446
4.695		12170	10214
4.767		1820	1532
4.84		1654	2461
4.882		1703	1195
4.912		3966	3203
4.937		5239	4158
4.973		2213	1583
5.018		2991	4478
5.057		4542	3696
5.084		2388	1655
5.106		5336	4043
5.178		11837	11708
5.23		797	346
5.249		1254	363
5.264		1661	1203
5.303		1323	1807
5.321		2338	1905
5.369		4732	5570
5.399		895	315
5.447		1045	309
5.519		9358	9144
5.541		1934	1142
5.588		17242	16952
5.64		5516	6522
5.687		1119	1168
5.743		2808	1897
5.771		1202	892
5.798		3030	4178
5.857		1770	3604
5.877		2206	1904
5.908		2357	2371
5.942		9438	9023
5.988		2406	3380
6.022		1863	1625
6.056		3582	3536
6.099	DCB	615282	533411
6.161		23368	38497
6.252		5393	11064
6.277		1361	565
6.336		1483	2930
6.37		1875	2228
6.388		1336	373
6.432		1176	1517

RT B	Compound B	Height B	Area B
6.442		2140	876
6.473		1422	698
6.486		1933	866
6.502		1520	678
6.516		1713	937
6.556		1185	721
6.584		1385	1197
6.618		2089	2282
6.634		1256	460
6.657		1179	587
6.689		920	928
6.738		1666	2945
6.778		1690	1702
6.788		1751	413
6.815		1398	383
6.893		1930	9414
6.915		1330	927
6.962		849	433
6.985		1037	260

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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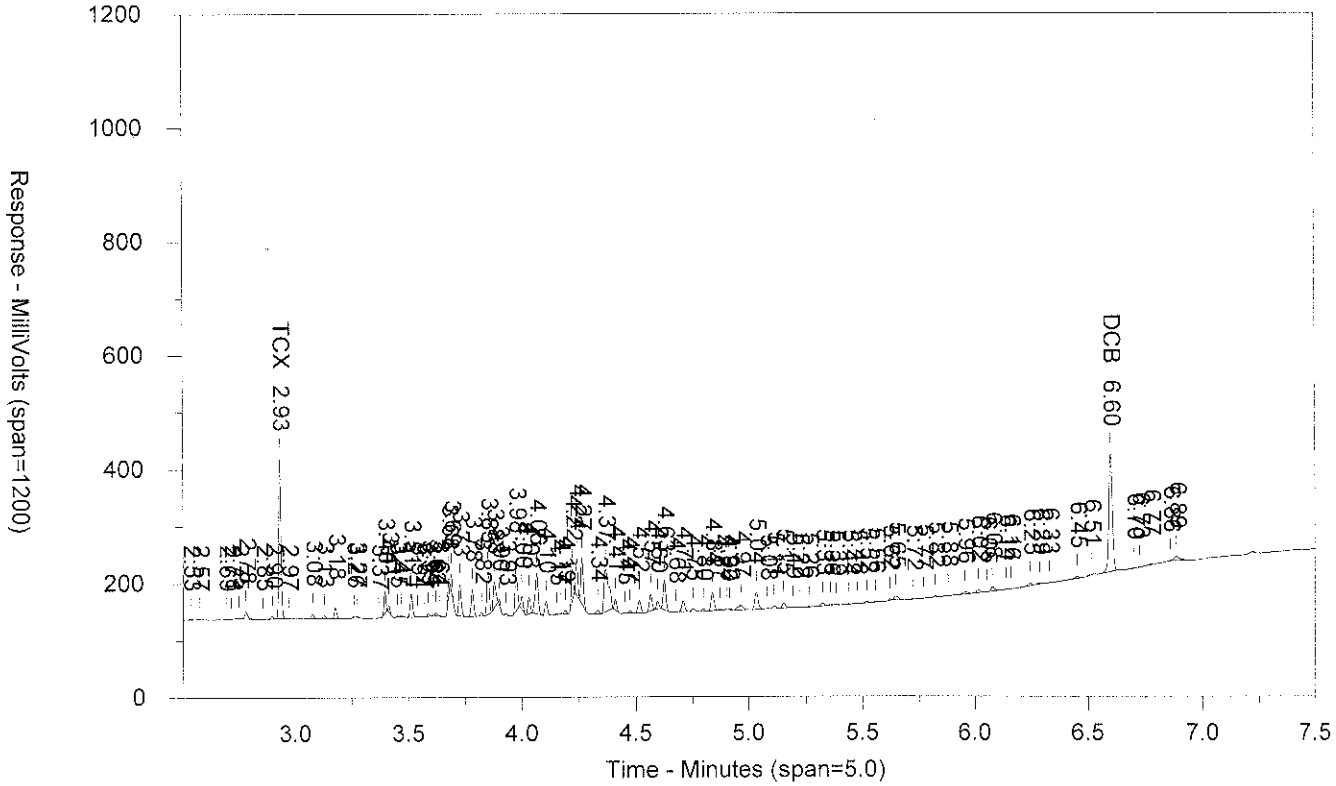

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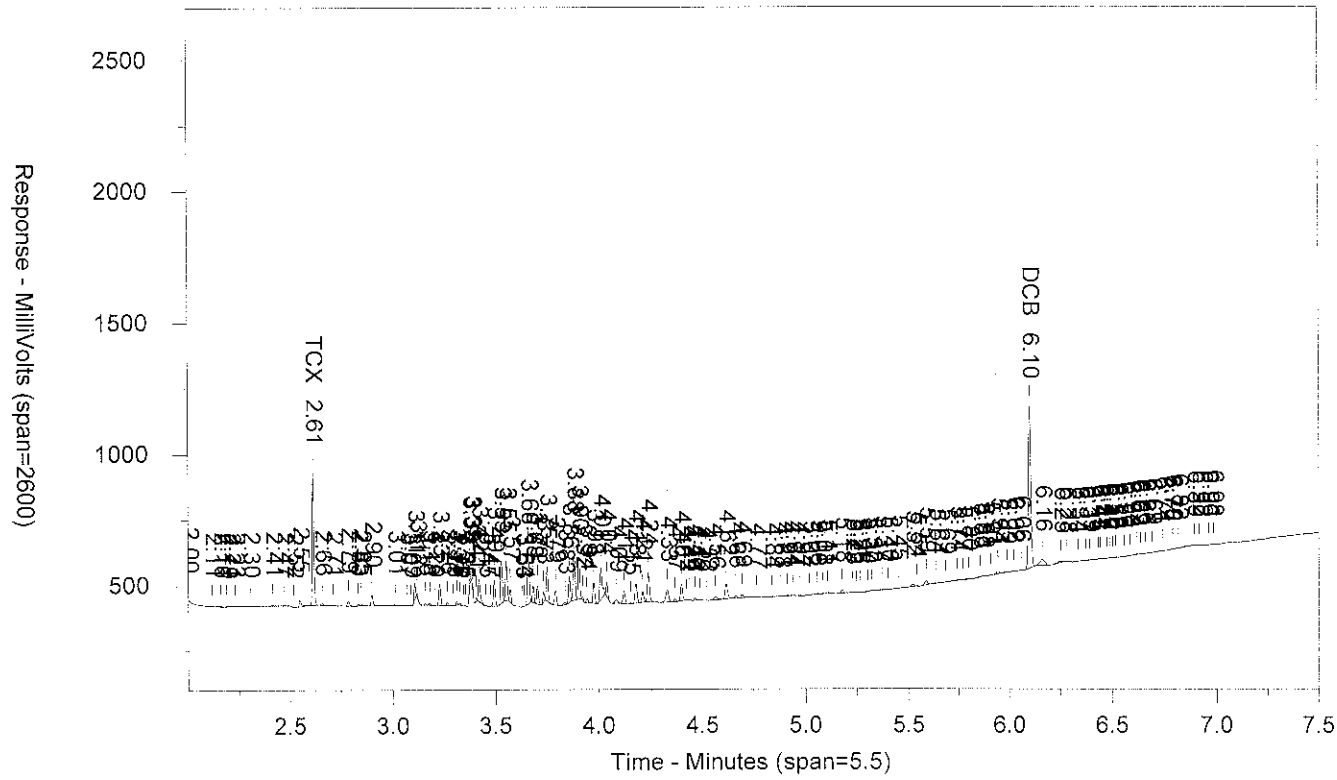

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:33:08 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
2.93	279775	1.854	TCX	2.614	505490	1.855	TCX
6.6	206714	2.145	DCB	6.099	615282	2.032	DCB

Files:
Area File: 25PCBS17284001.013.RAW
Area File: 25PCBS17284001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:33:14 PM

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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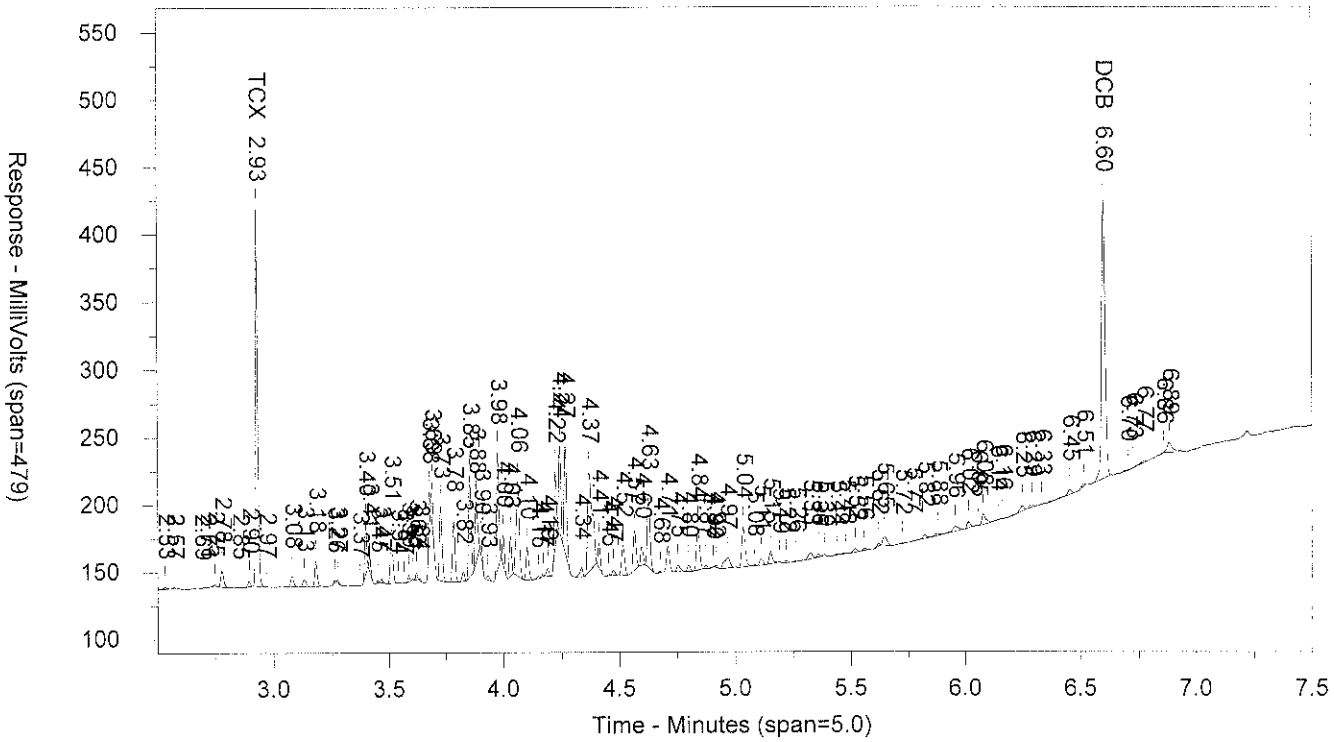

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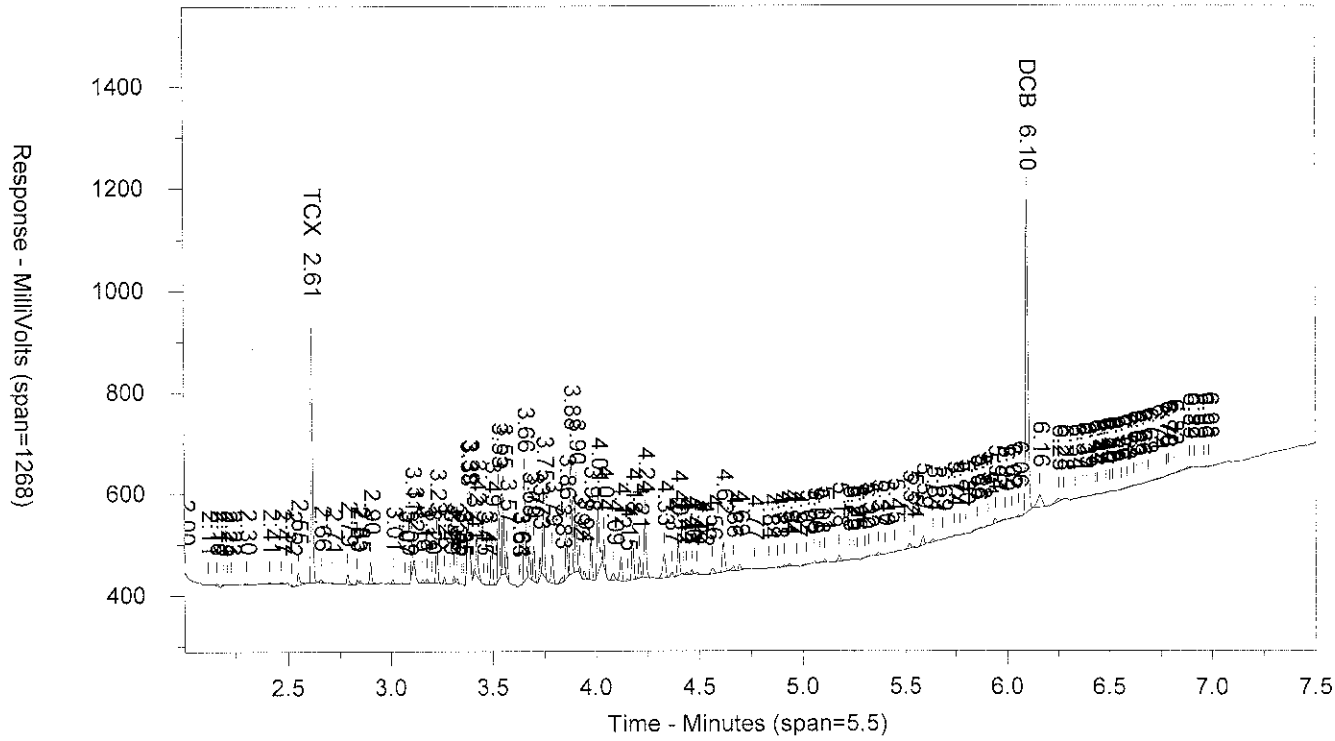

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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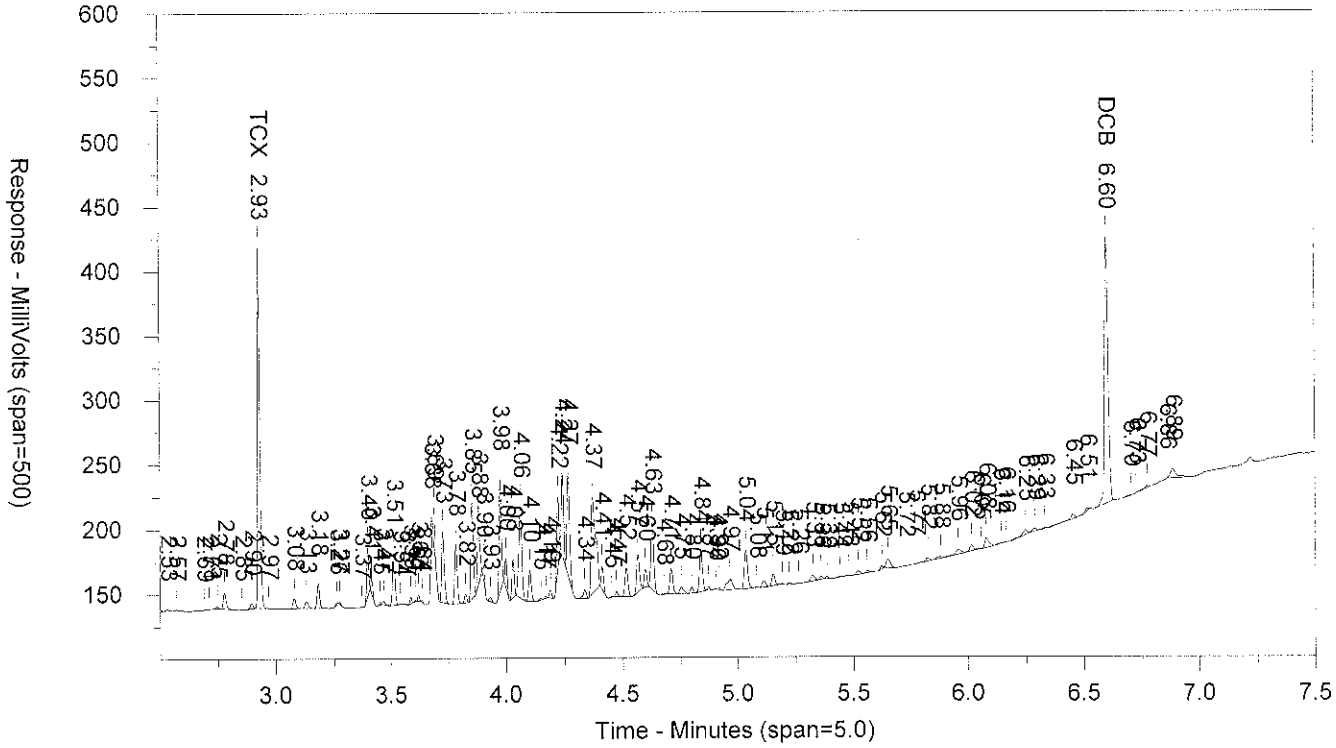

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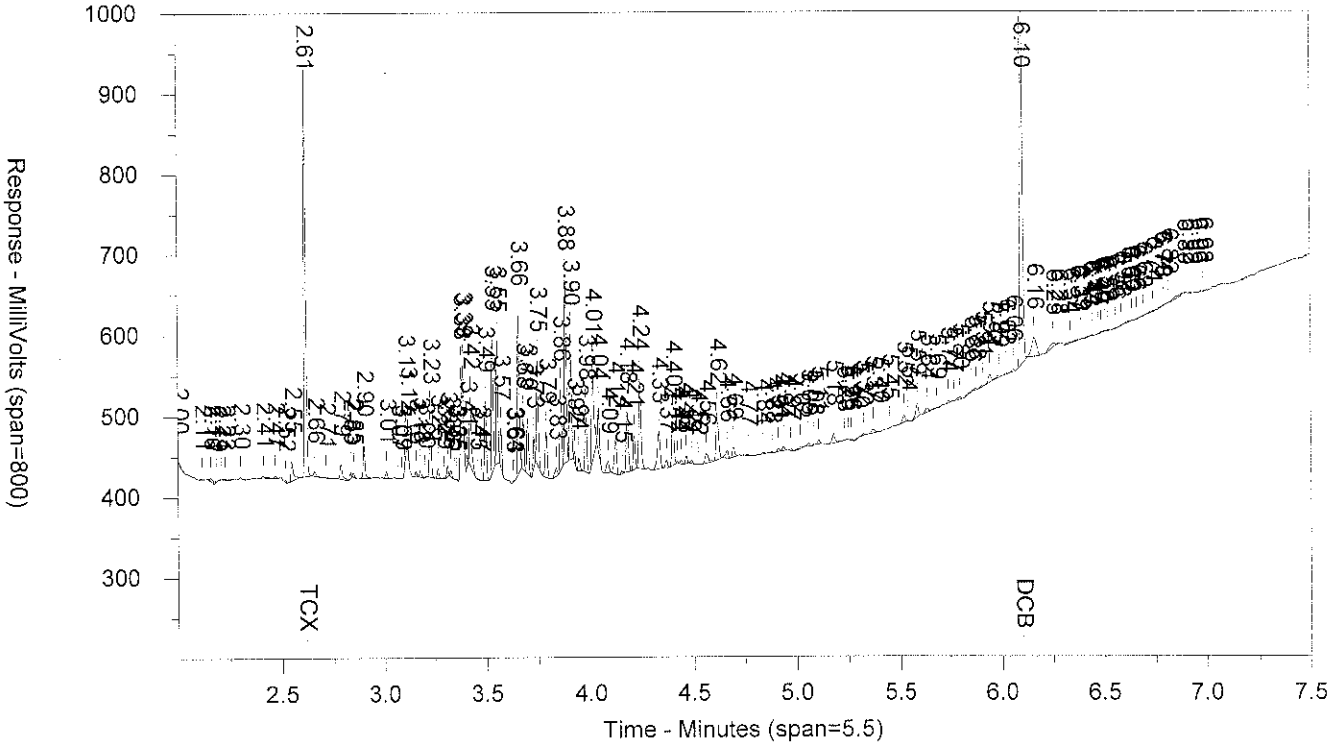

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17284001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		10654	10092
2.088		18685	38707
2.156		684	1141
2.23		2959	2101
2.3		515	398
2.329		46573	32845
2.369		1294	2340
2.457		556	233
2.489		7250	7517
2.532		2679	2320
2.571		2252	2082
2.657		972	903
2.744		2368	3755
2.777		19618	18848
2.856		690	633
2.878		564	257
2.896		4409	3497
2.93	TCX	575477	402322
3.017		1599	1443
3.077		14848	13223
3.129		10225	9972
3.179		35462	26669
3.259		2038	1351
3.272		4832	2555
3.365		368	179
3.394		71985	43067
3.411		21110	11514
3.448		3695	2003
3.464		5182	3363
3.509		76616	57932
3.538		660	446
3.565		1297	678
3.584		8818	5240
3.602		887	260
3.618		10666	5851
3.633		3505	1649
3.676		49771	26862
3.687		52865	25185
3.724		103145	80401
3.78		89558	66241
3.822		12586	8861
3.85		133962	101816
3.877		82033	68544
3.898		17772	9841
3.925		3395	2803
3.972		152550	114103
3.997		41526	26510
4.028		55754	39414
4.061		130035	124173
4.101		44202	35881
4.148		3776	2895
4.169		980	624
4.188		11669	8385
4.22		96828	66643

RT A	Compound A	Height A	Area A
4.239		123410	77137
4.262		142310	113357
4.333		11888	11939
4.367		137144	203613
4.41		32879	23397
4.451		1656	1215
4.472		7068	5690
4.513		41247	37530
4.563		56487	49299
4.595		28243	21101
4.624		97076	84914
4.674		1901	1529
4.707		35983	33524
4.75		8538	10582
4.797		8379	7941
4.836		62487	57838
4.869		5360	4055
4.916		4661	6275
4.95		1909	1981
4.962		5332	4799
5		849	460
5.032		57749	60010
5.078		1079	744
5.112		10101	10211
5.152		14918	13712
5.175		751	311
5.193		1424	830
5.219		2632	2299
5.264		1580	1545
5.323		5079	6233
5.356		4961	3705
5.382		2166	1732
5.438		1859	1800
5.473		1283	1722
5.517		5338	5593
5.557		2703	2285
5.584		727	505
5.616		3813	2783
5.642		10897	12527
5.691		583	287
5.738		344	890
5.767		448	557
5.82		4774	5052
5.876		1900	3184
5.955		4427	6725
6.011		9007	9555
6.074		13984	17305
6.123		608	181
6.159		490	564
6.192		709	297
6.245		4561	5984
6.283		2410	3390
6.366		667	289
6.379		544	257
6.412		511	300
6.45		6398	7234
6.519		2455	4656
6.596	DCB	395773	430303
6.664		659	476
6.773		1512	3459
6.794		733	358
6.879		6199	9477
6.944		771	502
6.978		769	534

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17284001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		360	426
2.115		14931	35113
2.156		9325	8653
2.205		3866	8888
2.235		4279	3211
2.272		2707	2224
2.3		5187	3185
2.363		1789	2119
2.413		3572	4926
2.467		2950	2155
2.494		5508	9542
2.547		42637	42101
2.614	TCX	1012125	614426
2.658		10048	7967
2.704		4813	4530
2.785		34258	25300
2.832		13773	6953
2.846		9451	4631
2.898		71485	47318
2.949		3333	3082
3.008		14477	10631
3.077		678	221
3.104		112654	57239
3.115		21376	7811
3.155		12531	6936
3.177		16058	9824
3.203		4405	2251
3.226		146717	97572
3.263		22887	13511
3.29		2714	1226
3.309		26712	14288
3.324		11706	5730
3.35		2469	1409
3.374		110904	53704
3.384		111899	46853
3.404		27992	11229
3.418		148383	104221
3.468		696	122
3.492		179276	115398
3.527		299730	185508
3.55		284426	155834
3.568		87669	45297
3.63		1054	779
3.636		379	80
3.653		361311	233746
3.676		121803	64476
3.697		130379	77317
3.726		69008	34490
3.742		244169	145461
3.784		104947	72945
3.831		19672	17478
3.853		183758	115908
3.875		436849	279115
3.9		290957	181702

RT B	Compound B	Height B	Area B
3.919		27704	12423
3.939		29170	16653
3.973		137768	95638
4.008		213673	178450
4.036		98207	53615
4.082		20974	18202
4.117		87173	64605
4.15		4414	2965
4.174		137033	100601
4.207		75893	53425
4.234		201207	153668
4.272		4223	3861
4.327		90723	82572
4.363		18678	13701
4.396		119686	87522
4.417		3272	1473
4.436		10114	6887
4.461		16381	10442
4.486		8708	6565
4.561		22043	24085
4.613		112982	89890
4.662		18534	17541
4.691		24619	21249
4.723		2166	976
4.736		2596	1175
4.76		3741	2573
4.821		838	339
4.845		913	761
4.86		897	499
4.878		1450	931
4.911		5462	4370
4.934		10329	7832
5.015		2611	2836
5.055		9013	7484
5.082		3292	2165
5.103		10074	8736
5.175		21755	19087
5.238		671	1191
5.317		6859	11929
5.364		9312	9833
5.419		1499	1673
5.472		1495	2027
5.516		20118	18104
5.584		32776	31812
5.634		10297	8606
5.687		1114	2188
5.723		645	1170
5.742		5011	5100
5.79		3776	4272
5.838		3008	3088
5.87		1375	1757
5.902		1080	514
5.939		20011	17023
5.981		3066	3102
6.017		1929	2075
6.05		3738	3367
6.097	DCB	1223826	1034624
6.157		3319	3639
6.201		781	473
6.255		4287	9703
6.277		1242	425
6.287		1704	1585
6.322		1872	1422
6.387		1760	3441
6.429		962	367
6.449		1819	862

RT B	Compound B	Height B	Area B
6.476		1332	1043
6.484		1635	552
6.51		2244	2021
6.564		1223	2701
6.615		1589	3464
6.626		1983	810
6.671		1260	1311
6.727		842	1776
6.9		2150	18409
6.916		1228	870
6.951		2119	2430
6.97		2464	2292

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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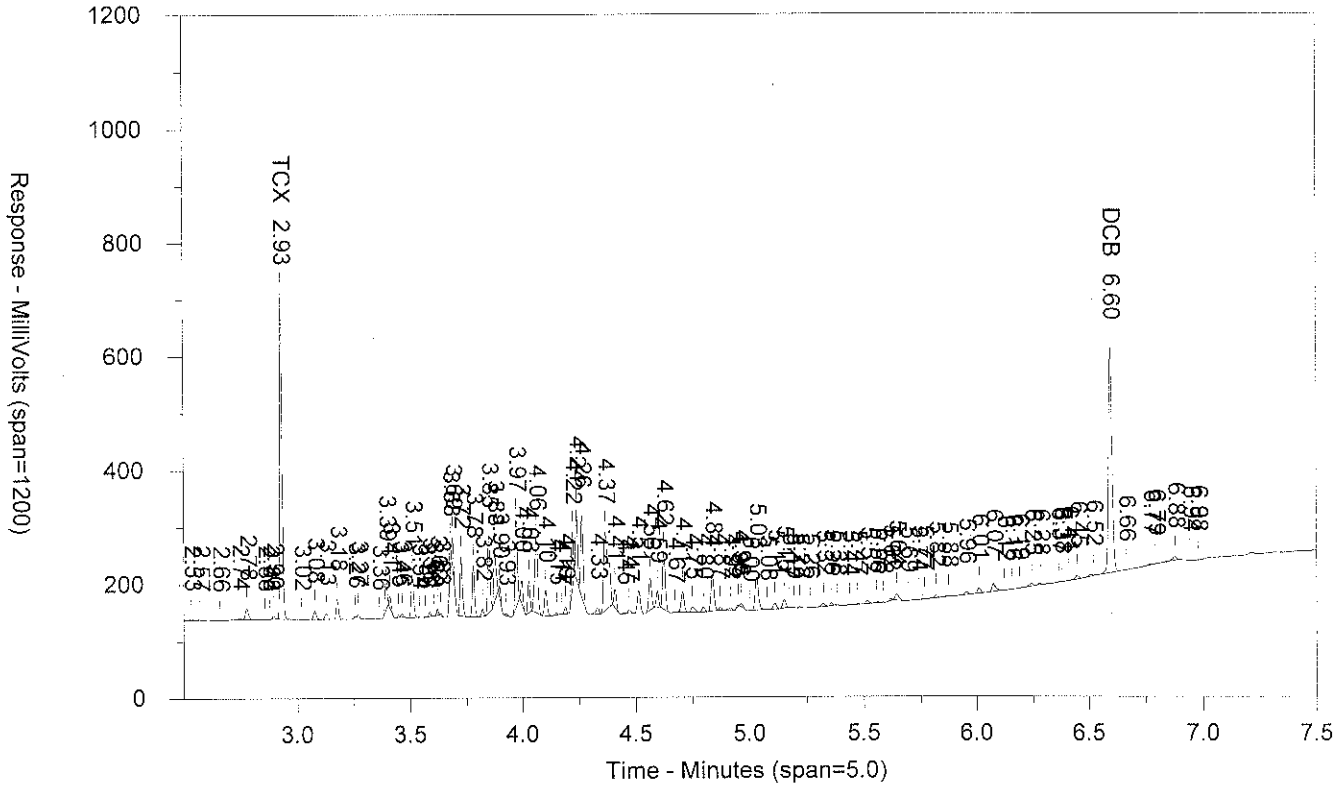

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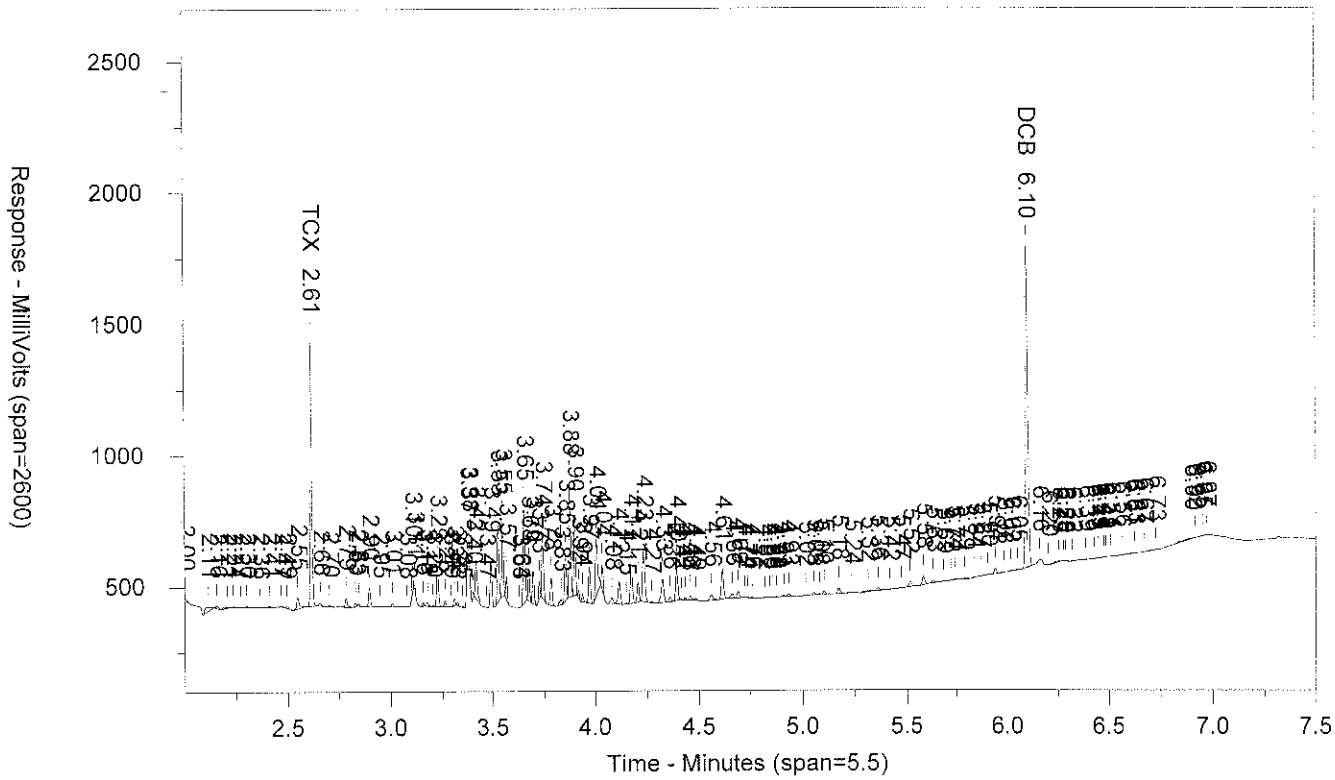

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:44:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	575477	3.814	TCX	2.614	1012125	3.715	TCX
6.596	395773	4.106	DCB	6.097	1223826	4.043	DCB

Files:
Area File: 25PCBS17284001.014.RAW
Area File: 25PCBS17284001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:15 PM
File Reported On: 10/12/2017 at 3:33:28 PM

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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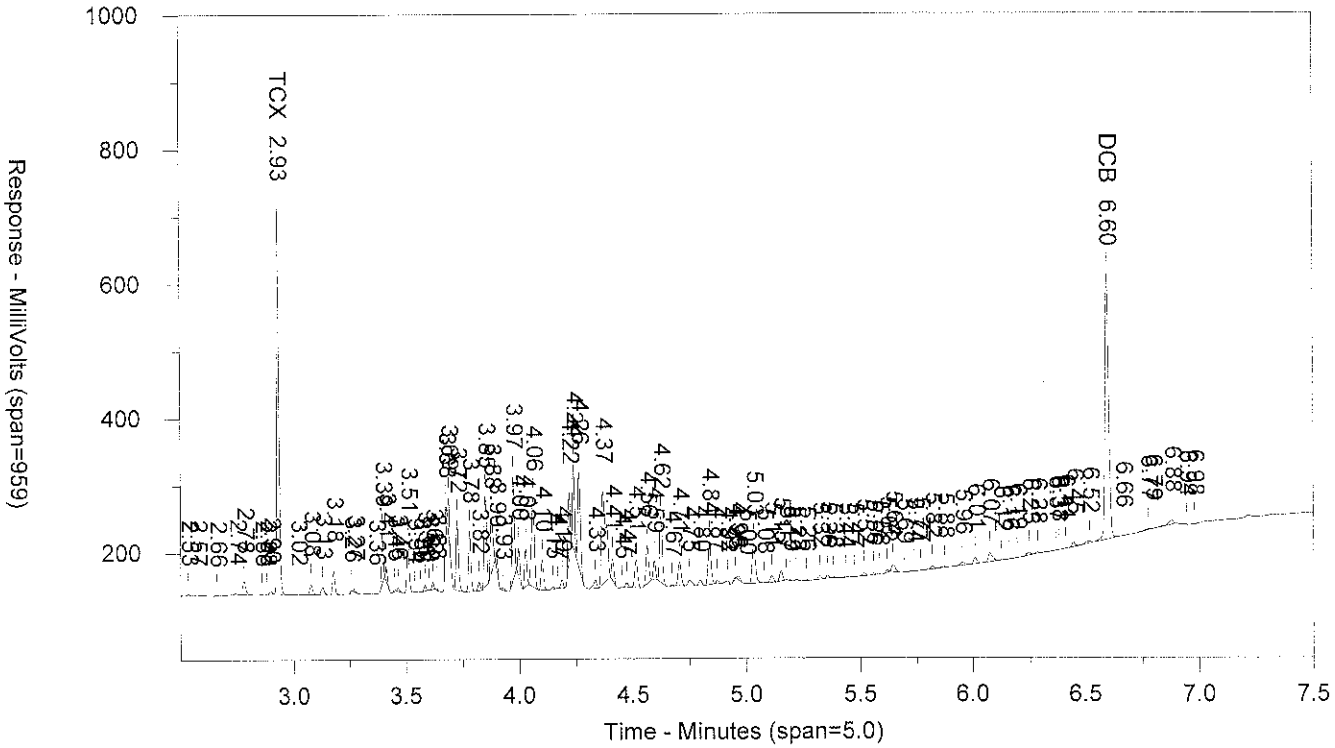

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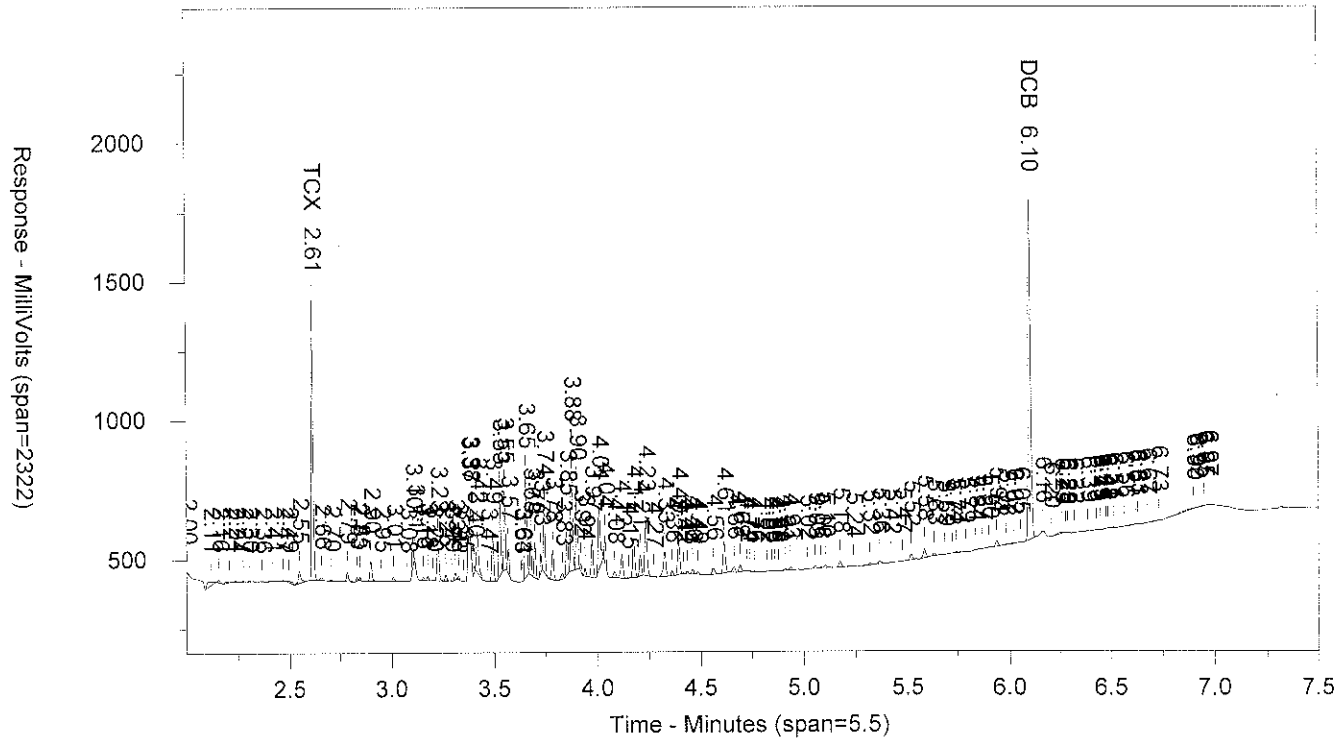

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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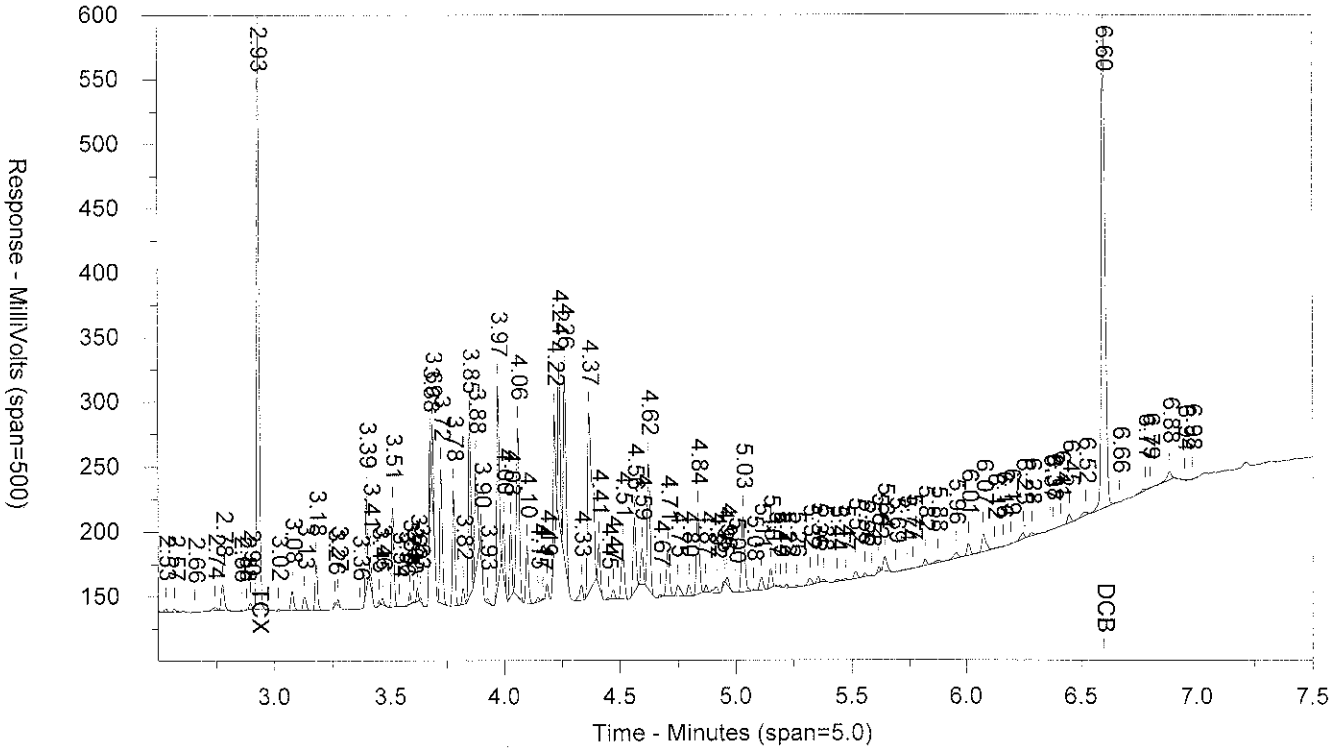

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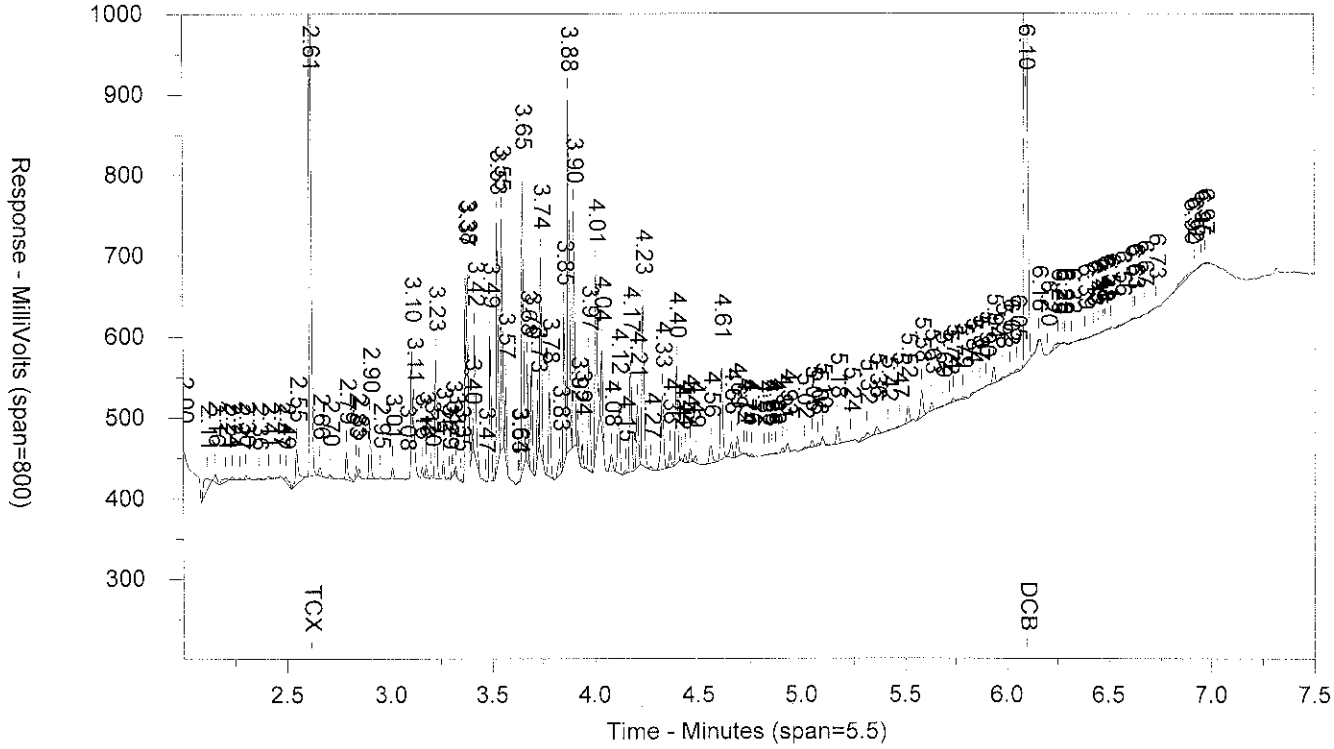

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 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: 25PCBS17284001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12057	11676
2.089		13516	28880
2.23		14588	12364
2.3		671	490
2.33		11754	13877
2.432		1290	914
2.49		7855	7899
2.53		1444	1146
2.568		5176	4192
2.657		482	513
2.708		342	119
2.746		2420	2677
2.777		16268	15059
2.847		847	823
2.896		5406	4474
2.93	TCX	2868219	1982392
3.029		990	994
3.078		28969	26015
3.126		39280	32962
3.179		74331	54257
3.257		5770	3224
3.273		11148	6647
3.315		598	890
3.395		136797	85618
3.412		43217	23411
3.449		8267	4347
3.464		10852	7102
3.509		151027	117990
3.566		5249	2926
3.585		19443	12113
3.603		1337	395
3.619		23182	12666
3.634		7373	3359
3.677		95446	52333
3.688		95001	48132
3.725		199782	162326
3.781		172560	134957
3.822		26828	19113
3.851		257411	196169
3.878		153874	130990
3.899		35439	18107
3.926		4077	2922
3.973		303913	220312
3.997		85373	54732
4.029		106788	78772
4.061		247885	247619
4.101		93413	74592
4.148		8322	6802
4.167		745	243
4.187		25202	17888
4.22		183227	126928
4.239		239898	148514
4.262		268459	212270
4.333		24361	24207

RT A	Compound A	Height A	Area A
4.367		193099	168125
4.386		41543	22857
4.409		64355	46817
4.451		3149	1929
4.472		15462	12218
4.514		84493	80807
4.564		120547	103788
4.595		61825	45584
4.624		198139	170679
4.675		3068	2239
4.707		75895	69762
4.75		17348	20733
4.795		18208	16659
4.837		125560	118374
4.87		29233	23427
4.915		9792	10962
4.95		2706	3370
4.962		10246	7817
4.998		3389	2307
5.032		121869	125817
5.079		2124	1402
5.111		44498	44088
5.151		32892	32142
5.191		3095	1997
5.22		5006	4474
5.262		3141	2886
5.323		5598	7386
5.357		10877	8556
5.381		4951	3654
5.44		2882	2683
5.475		4608	6116
5.517		24339	24762
5.556		5173	5102
5.616		6618	4736
5.64		49901	48787
5.734		262	680
5.788		444	173
5.819		10095	10213
5.874		4324	7316
5.912		451	182
5.953		5358	7416
6.012		42805	45176
6.075		65498	80527
6.131		688	315
6.166		565	584
6.245		8257	10126
6.287		2568	3259
6.329		381	491
6.389		689	1421
6.449		30824	33426
6.512		4123	6678
6.596	DCB	1810412	1859532
6.694		758	689
6.729		643	322
6.769		2346	3759
6.881		6217	11659
6.957		604	252
6.989		235	450

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 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: 25PCBS17284001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		2213	1544
2.055		11086	7268
2.144		4836	10164
2.187		3375	2370
2.242		2190	2350
2.274		1306	1276
2.302		10863	8126
2.409		3317	4419
2.466		2692	2222
2.515		3899	1483
2.547		34567	33811
2.614	TCX	5109810	3013397
2.657		19201	14743
2.786		68147	49269
2.832		71994	63229
2.898		141915	92250
2.947		11180	6452
3.009		31261	20193
3.069		514	83
3.075		1169	199
3.088		495	162
3.105		211566	110704
3.116		43716	14016
3.156		25306	13892
3.177		31255	18651
3.203		6549	3507
3.226		287646	190277
3.263		46731	27762
3.291		14369	7033
3.309		54756	29236
3.325		22061	10393
3.351		1359	922
3.375		223763	101367
3.384		214174	90172
3.404		52684	20727
3.418		298292	201929
3.466		983	272
3.492		359497	226627
3.527		576214	354058
3.55		536790	298136
3.568		159675	83971
3.632		1989	1849
3.654		689806	453732
3.677		230476	123166
3.697		251619	150230
3.726		133307	68965
3.743		473288	285150
3.784		211348	145992
3.831		42310	36321
3.853		367604	229676
3.876		855692	553905
3.9		601323	369218
3.919		52523	24517
3.939		55640	31659

RT B	Compound B	Height B	Area B
3.974		279433	192539
4.008		430749	353482
4.036		204645	113018
4.083		40165	31201
4.118		166959	131512
4.151		15521	9428
4.174		265258	201221
4.207		158716	108594
4.235		400733	303040
4.272		8414	7151
4.327		178194	164408
4.363		41762	29493
4.395		229903	175480
4.418		4236	1582
4.436		53166	36507
4.462		32600	19976
4.487		18929	13523
4.561		49860	48062
4.613		233222	190666
4.662		86217	71402
4.691		54200	43741
4.721		4533	2111
4.738		6399	3314
4.76		5287	3810
4.836		2154	2991
4.859		1999	1064
4.879		2012	1372
4.911		14193	10129
4.934		22749	17721
4.977		6975	7811
5.019		3635	2520
5.054		41880	33691
5.083		6289	3779
5.105		19340	15781
5.176		93968	80916
5.256		4110	7265
5.293		2908	2024
5.32		10282	8643
5.365		22751	24277
5.428		712	1162
5.442		743	320
5.463		1807	1416
5.517		94649	87990
5.585		141361	120891
5.633		34917	30137
5.685		1536	2220
5.741		11145	9262
5.803		2966	5398
5.856		1032	4367
5.873		1866	1735
5.939		82846	68580
5.988		2463	4289
6.022		2314	1753
6.059		2537	3275
6.097	DCB	5506405	4740212
6.159		19514	29151
6.259		3731	10319
6.29		2155	1594
6.366		1879	4489
6.384		1366	515
6.428		2089	1017
6.438		1632	637
6.505		1380	629
6.519		1693	961
6.551		4257	4318
6.623		939	5667

RT B	Compound B	Height B	Area B
6.701		1722	6474

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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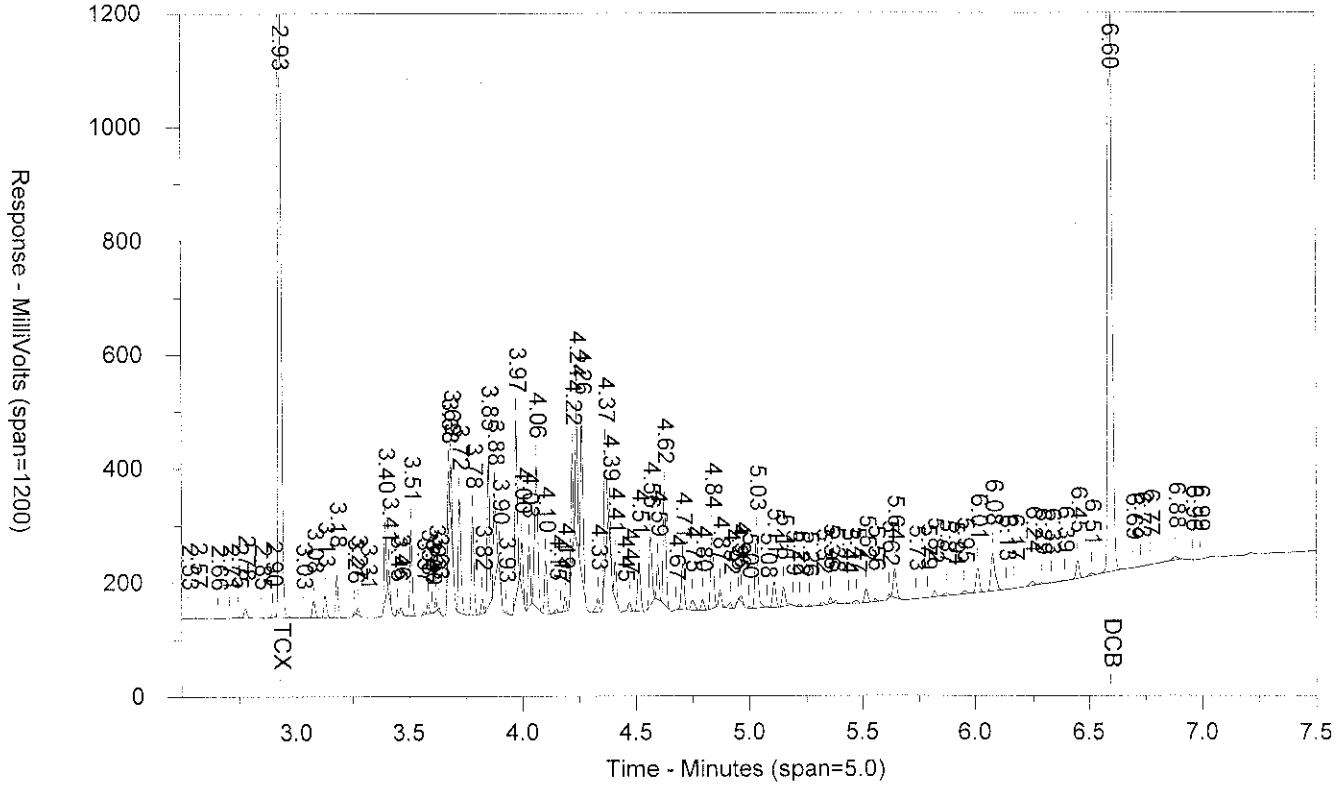

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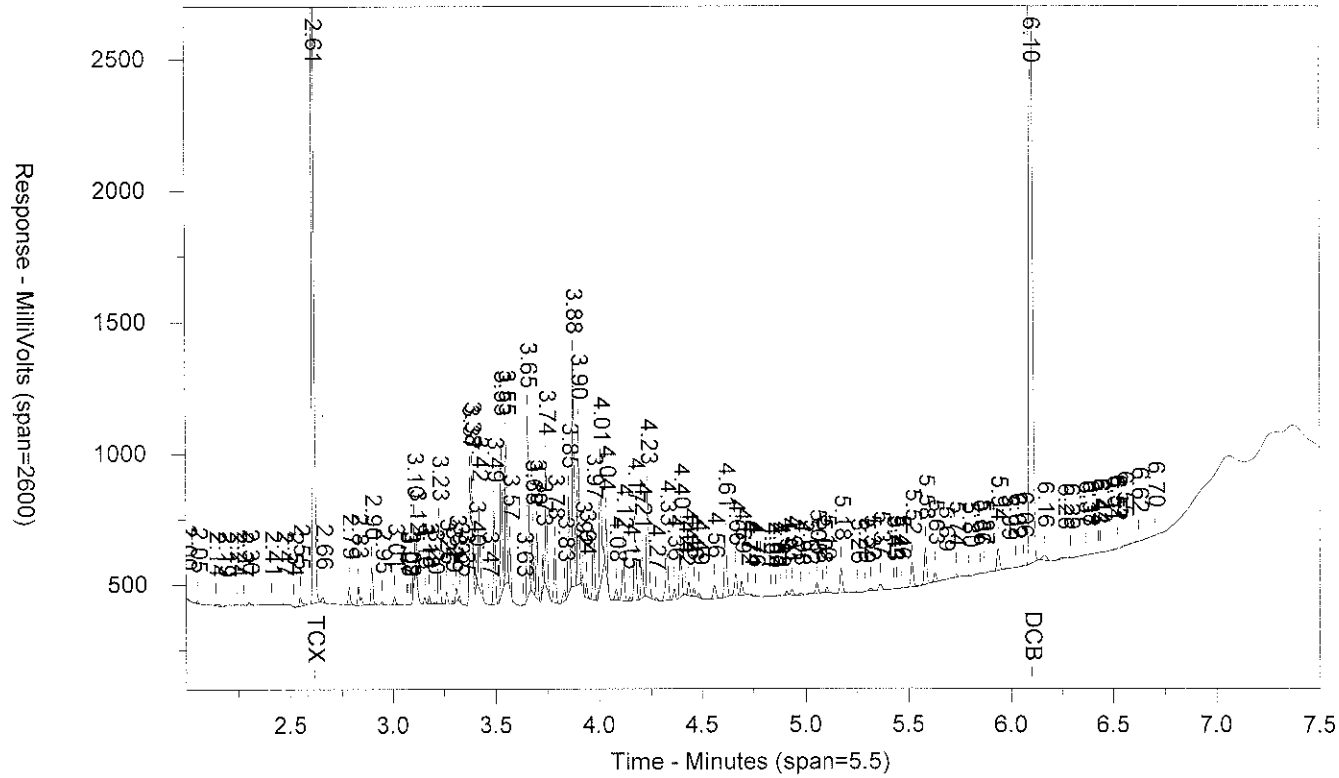

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/11/2017 11:55:46 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2868219	19.011	TCX	2.614	5109810	18.756	TCX
6.596	1810412	18.782	DCB	6.097	5506405	18.189	DCB

Files:
Area File: 25PCBS17284001.015.RAW
Area File: 25PCBS17284001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:33:42 PM

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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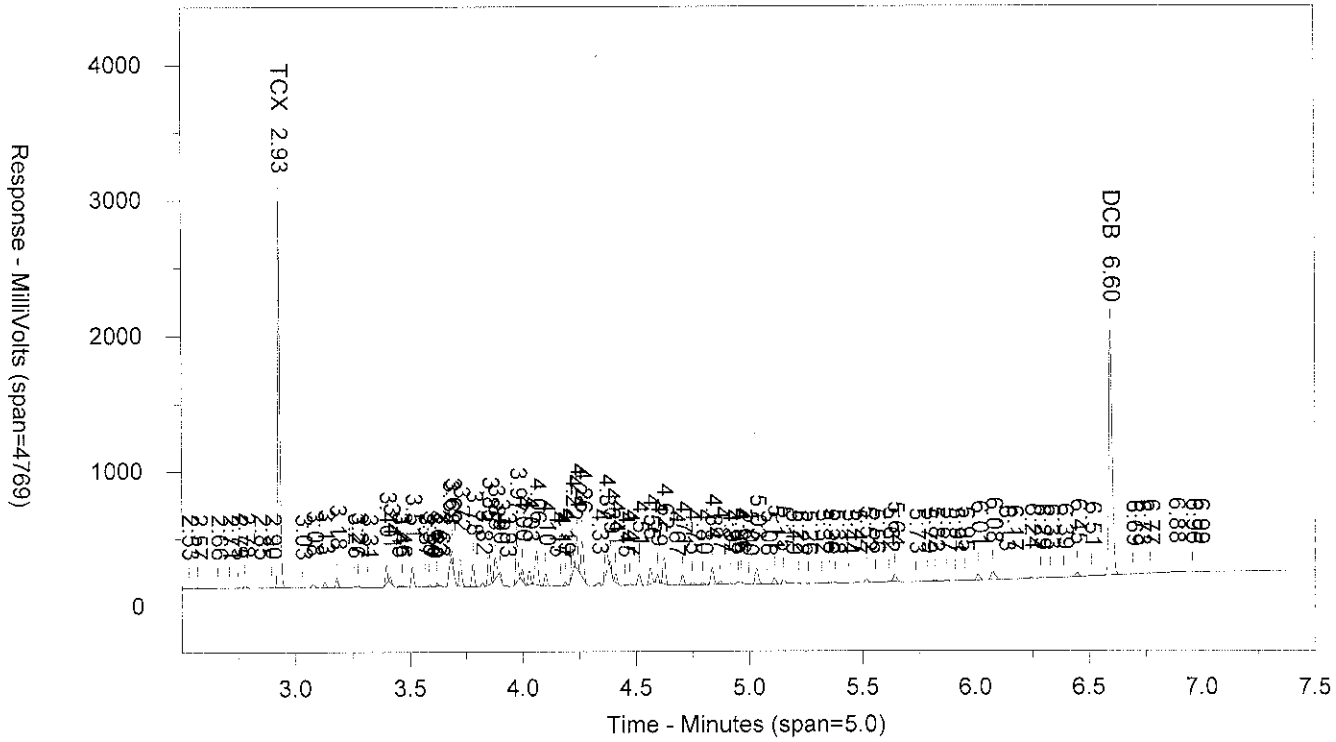

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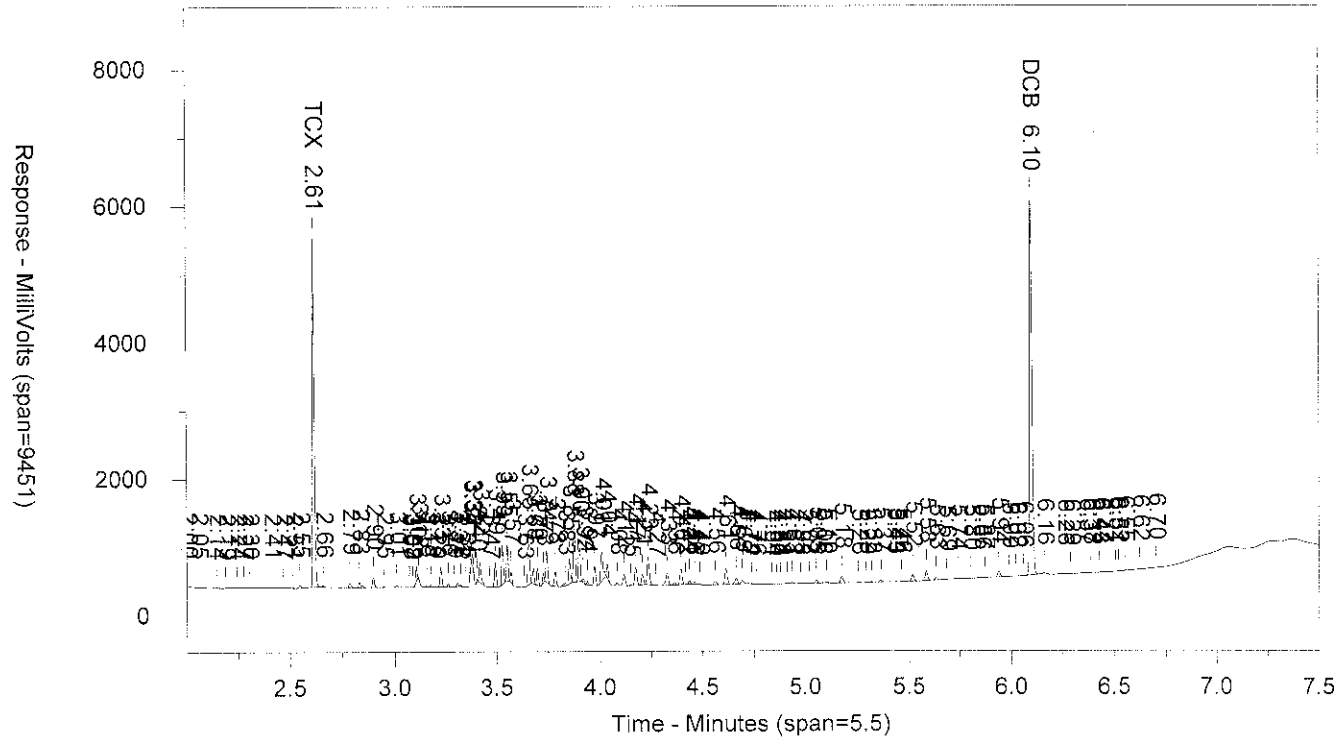

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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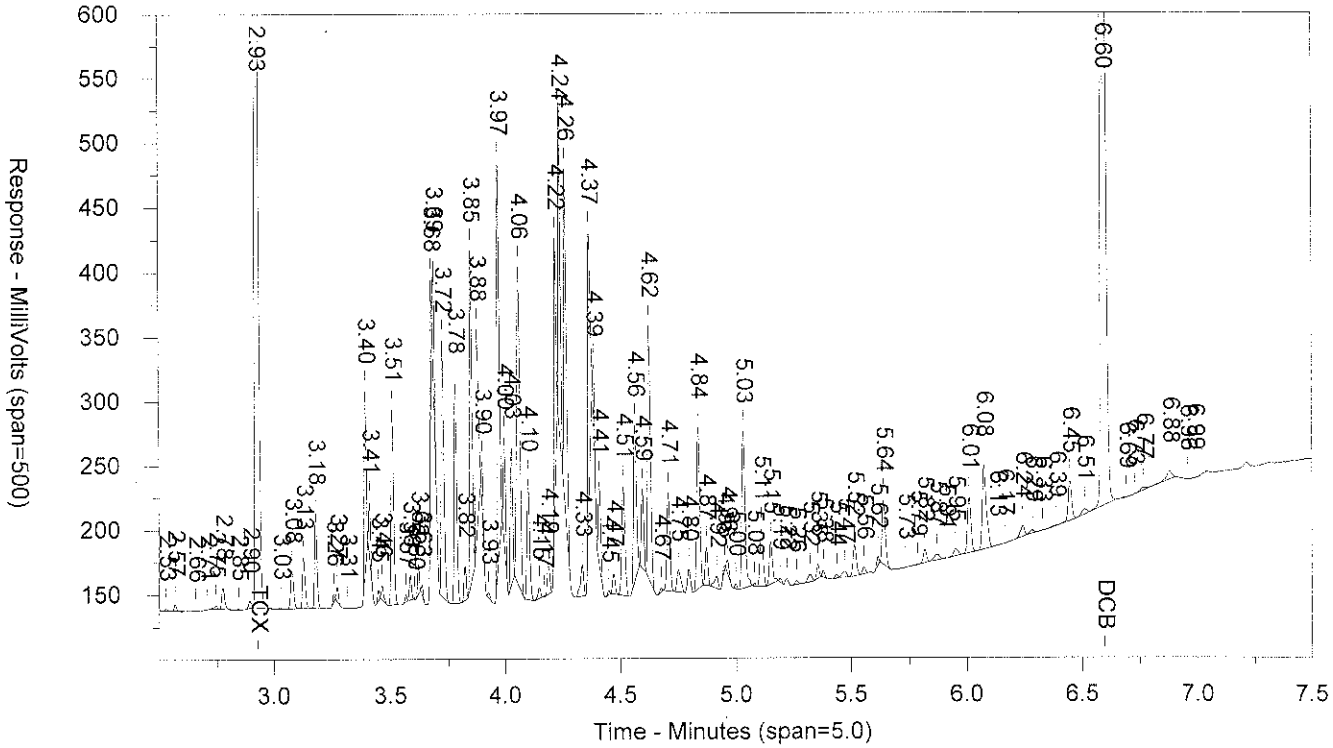

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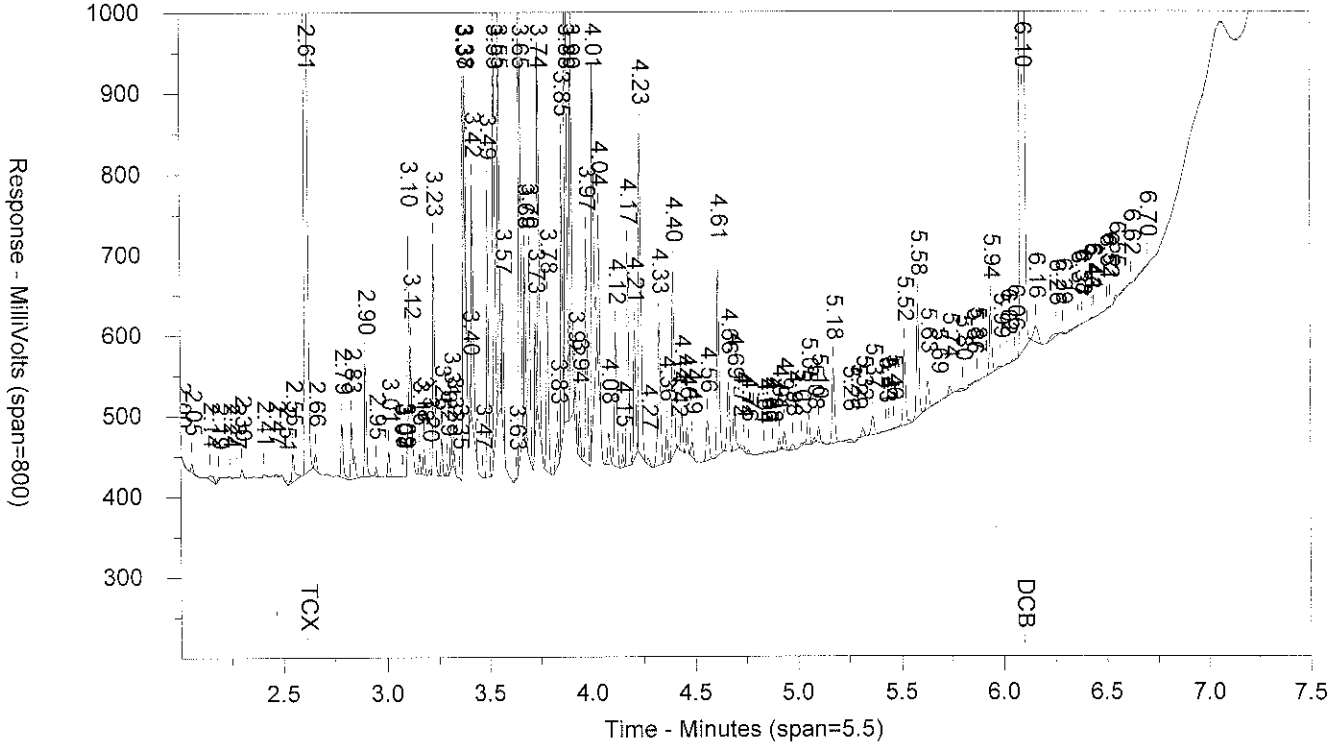

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 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: 25PCBS17284001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.015		303	150
2.036		11912	11652
2.089		11728	25428
2.169		1037	1000
2.231		28101	23702
2.299		734	521
2.337		14746	19042
2.432		2729	2281
2.49		8116	7839
2.529		1644	1542
2.569		9360	7313
2.658		497	631
2.745		2524	4051
2.777		13369	12301
2.842		970	951
2.896		5500	4217
2.93	TCX	5941278	4098303
3.028		1410	911
3.045		584	366
3.078		53885	48278
3.127		76003	65855
3.18		139488	103569
3.258		9700	5123
3.274		21992	13520
3.316		754	407
3.396		245720	152886
3.413		80191	43827
3.45		14887	8028
3.465		19938	13592
3.51		284807	219590
3.546		620	329
3.567		11047	6459
3.586		37251	24021
3.621		43421	24754
3.635		14069	6625
3.678		188118	98876
3.689		183250	94098
3.727		379869	303620
3.783		333119	253942
3.824		51751	36432
3.852		488241	364671
3.879		292370	238552
3.901		71722	38012
3.927		4739	2939
3.975		577155	412857
3.999		154287	98079
4.031		201091	145373
4.063		482847	467534
4.103		170151	141284
4.15		17993	14489
4.189		46235	35132
4.222		338869	236851
4.241		463476	288045
4.264		536673	399560

RT A	Compound A	Height A	Area A
4.335		48572	46316
4.369		513122	764441
4.412		125068	88612
4.452		6025	3824
4.474		30305	23339
4.515		163205	153573
4.565		222183	195173
4.597		113474	87569
4.625		366431	322256
4.676		6409	4452
4.708		142372	134223
4.751		33999	39895
4.797		35736	32818
4.838		232082	222555
4.872		60097	49301
4.916		20203	22557
4.95		12384	7950
4.963		15335	10911
5		6237	4933
5.034		229397	239736
5.082		4541	2815
5.113		91831	89032
5.153		61686	56054
5.176		1954	809
5.193		5595	3606
5.221		9547	8005
5.264		4924	5136
5.324		5215	5766
5.358		20213	17136
5.383		10108	7464
5.438		5577	4731
5.475		9450	12371
5.517		51850	50948
5.558		10543	9494
5.583		1684	1111
5.618		13172	9774
5.642		95193	90762
5.726		323	354
5.77		425	98
5.822		21201	20457
5.877		9052	14648
5.955		5101	7689
6.014		89392	90227
6.077		127508	159582
6.144		621	664
6.204		941	995
6.245		12778	15096
6.285		2669	3011
6.315		544	186
6.337		506	267
6.385		801	1509
6.45		65079	69709
6.513		4068	6401
6.599	DCB	3512100	3652916
6.664		713	281
6.702		650	150
6.745		786	1104
6.766		2637	3853
6.822		740	665
6.882		8152	20781
6.973		404	659

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 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: 25PCBS17284001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1135	1491
2.055		23816	18486
2.145		7995	12421
2.188		6885	10524
2.272		1043	825
2.302		18738	13713
2.408		3054	4037
2.468		2989	2401
2.516		3850	1723
2.533		2710	1049
2.547		25654	17334
2.614	TCX	10532550	6225466
2.658		35909	27155
2.786		125154	87676
2.832		136910	114198
2.898		262005	164064
2.948		23235	13356
3.009		57723	36732
3.06		803	305
3.067		1317	289
3.087		920	213
3.105		399820	202170
3.116		73495	24395
3.156		47333	26811
3.178		56464	33703
3.203		13074	6955
3.227		516638	348755
3.264		87306	51222
3.291		27166	14205
3.31		101724	54602
3.325		40610	18128
3.375		420769	191078
3.384		409261	168269
3.405		91377	38503
3.419		553796	382062
3.493		660402	423312
3.528		1052598	657641
3.551		1016873	558211
3.569		311621	158966
3.628		1409	752
3.655		1347433	854152
3.678		423719	228714
3.699		458508	275882
3.728		261226	130476
3.745		906709	544564
3.785		388521	270330
3.833		84845	69894
3.854		680464	433379
3.877		1630267	1061403
3.902		1163566	720884
3.921		99658	45410
3.94		98826	56296
3.975		514844	364328
4.009		886528	688647

RT B	Compound B	Height B	Area B
4.038		442347	226953
4.085		71181	54538
4.119		302676	247580
4.151		31262	17886
4.176		518313	381121
4.208		286013	205466
4.236		778257	574406
4.272		16220	14351
4.329		343969	309875
4.364		79946	57168
4.396		450044	335281
4.418		7581	3153
4.437		103736	71557
4.463		56414	35478
4.488		35735	24815
4.562		95499	93586
4.614		462563	370539
4.663		170181	139919
4.692		104273	87262
4.723		7240	3189
4.74		12531	6410
4.762		9512	6602
4.84		1658	753
4.861		3676	2172
4.877		3920	2685
4.912		27562	20407
4.935		42696	32453
4.977		17835	19697
5.021		7405	4496
5.037		2608	1170
5.055		79449	62115
5.084		12059	7934
5.105		36605	27769
5.177		183295	157840
5.256		3451	6446
5.298		3055	2966
5.32		20073	16317
5.366		44938	44966
5.426		814	965
5.468		560	1769
5.493		1140	913
5.518		194128	165539
5.586		282589	242847
5.635		69517	59236
5.687		1375	1396
5.695		1030	342
5.742		22341	19655
5.775		1155	901
5.798		3583	4249
5.839		3088	3362
5.871		2289	2892
5.906		1882	2550
5.939		180759	148971
5.991		2767	5199
6.02		1613	1566
6.056		4139	3821
6.097	DCB	11053820	9395700
6.158		19054	28573
6.249		6303	10903
6.282		3551	3373
6.328		1765	2013
6.366		960	939
6.39		2051	1374
6.413		1663	897
6.437		2682	2381
6.501		1657	2328

RT B	Compound B	Height B	Area B
6.55		11018	9366
6.582		1401	388
6.617		1198	1482
6.665		1718	1249
6.691		881	1205
6.702		1383	308
6.729		2375	3430
6.783		1562	2117
6.809		1284	996
6.837		1941	328
6.847		1324	540
6.859		1776	351
6.878		2211	1231
6.902		1677	2336
6.922		1216	412
6.952		1694	828
6.989		1932	800

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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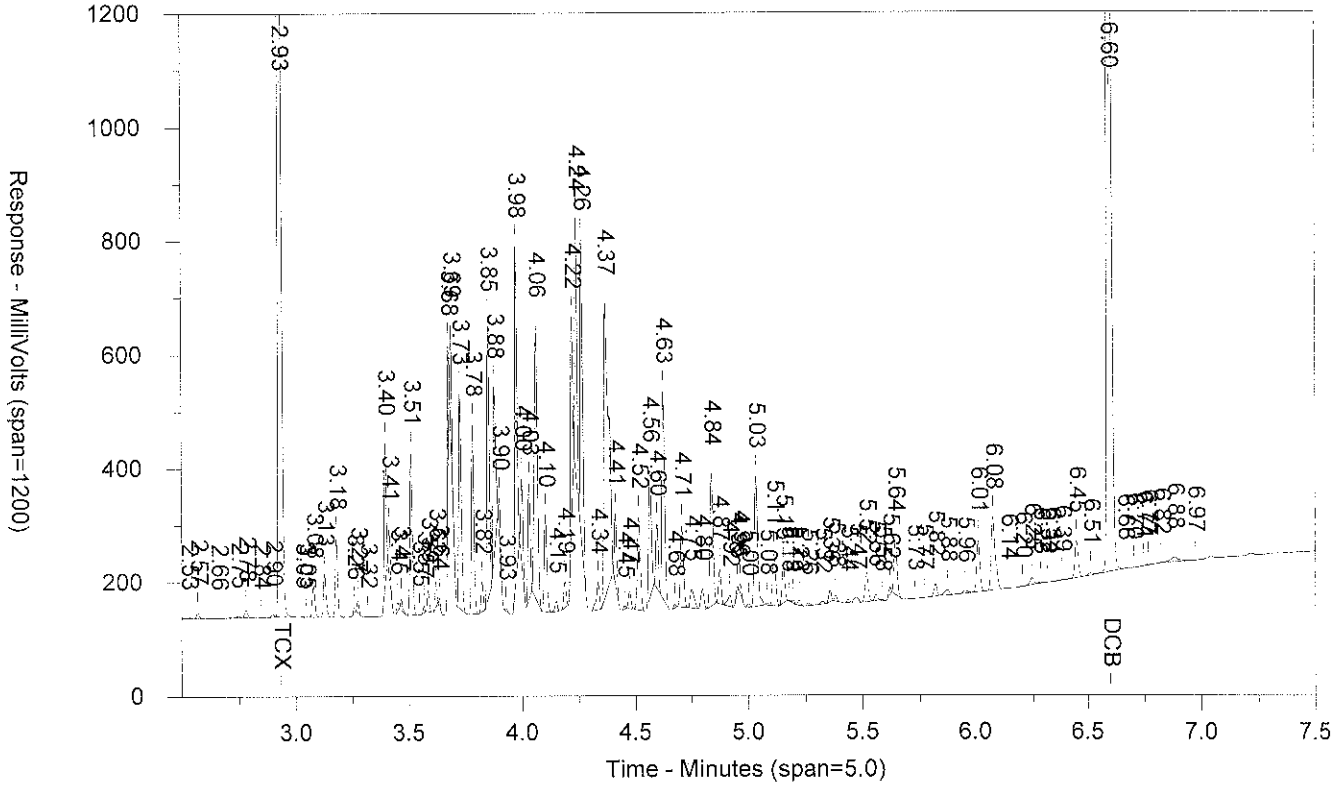

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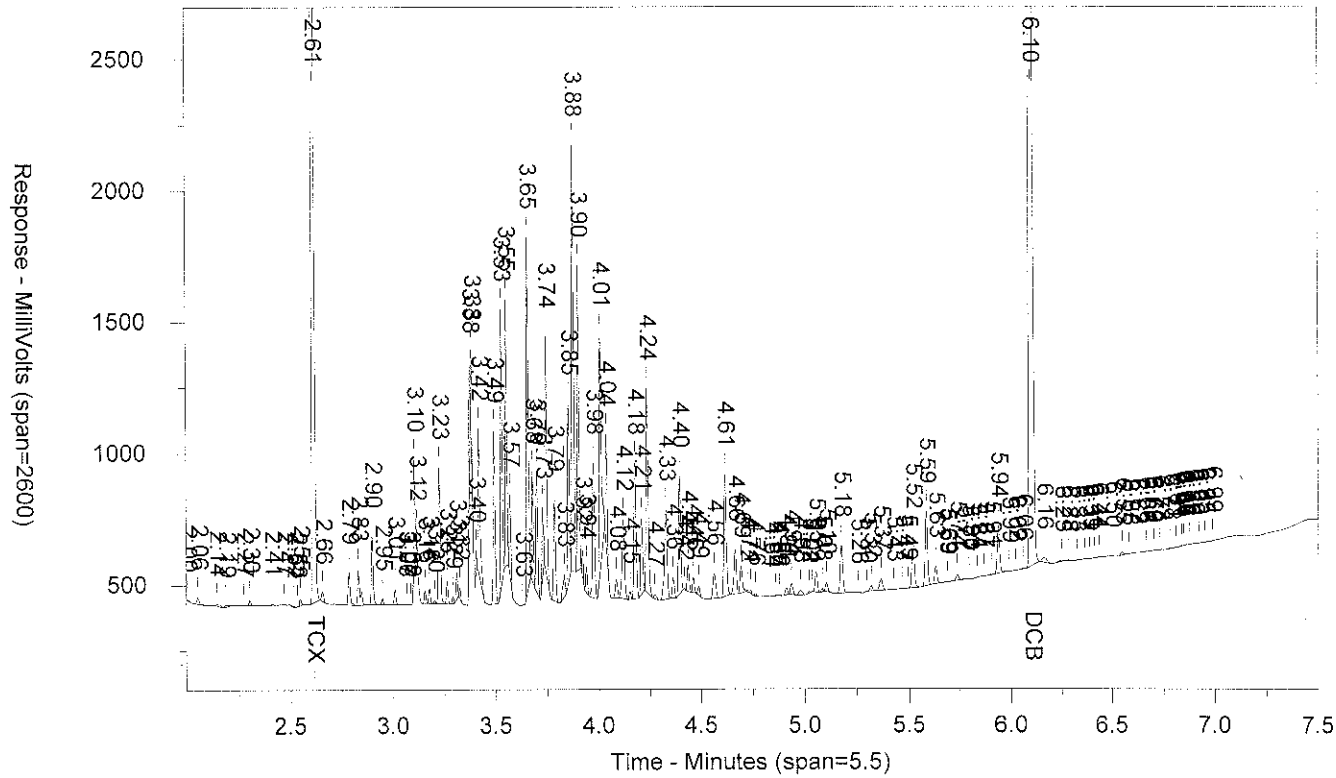

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:07:04 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
2.93	5941278	39.38	TCX	2.614	10532550	38.661	TCX
6.599	3512100	36.436	DCB	6.097	11053820	36.513	DCB

Files:
Area File: 25PCBS17284001.016.RAW
Area File: 25PCBS17284001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:33:58 PM

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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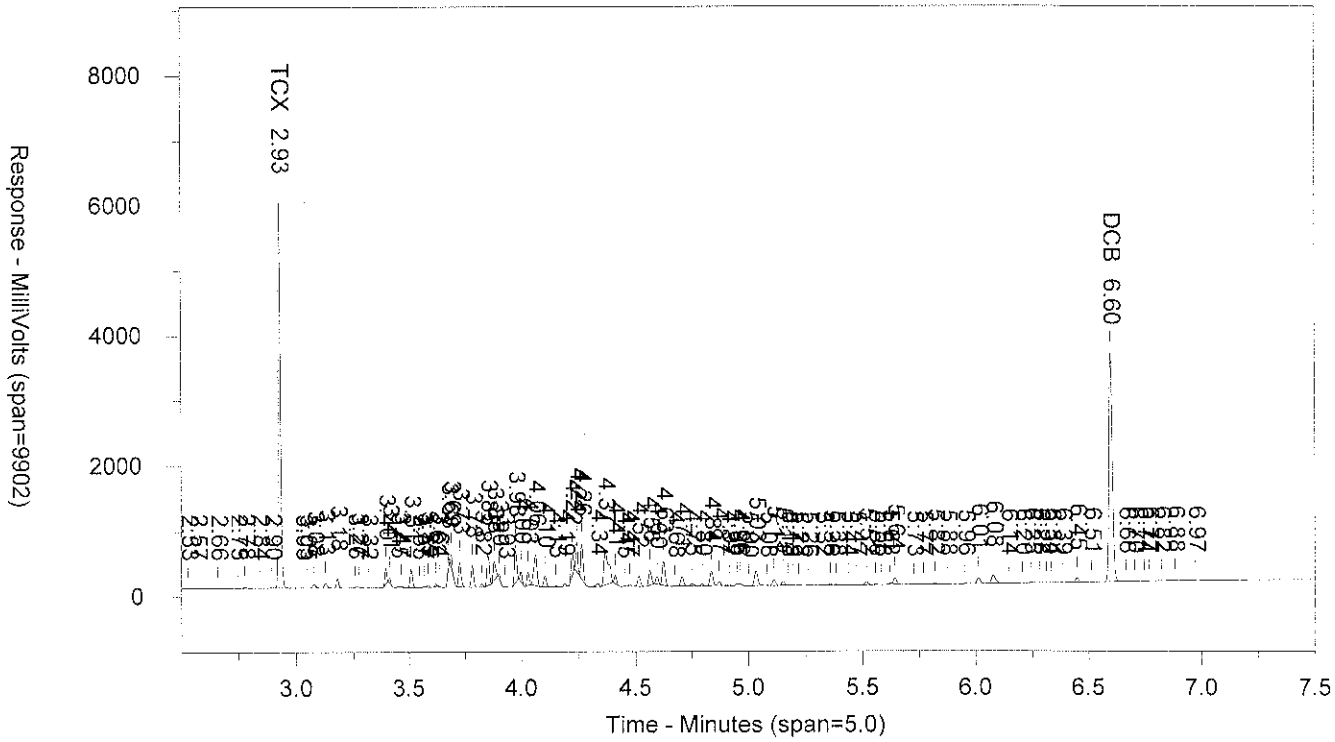

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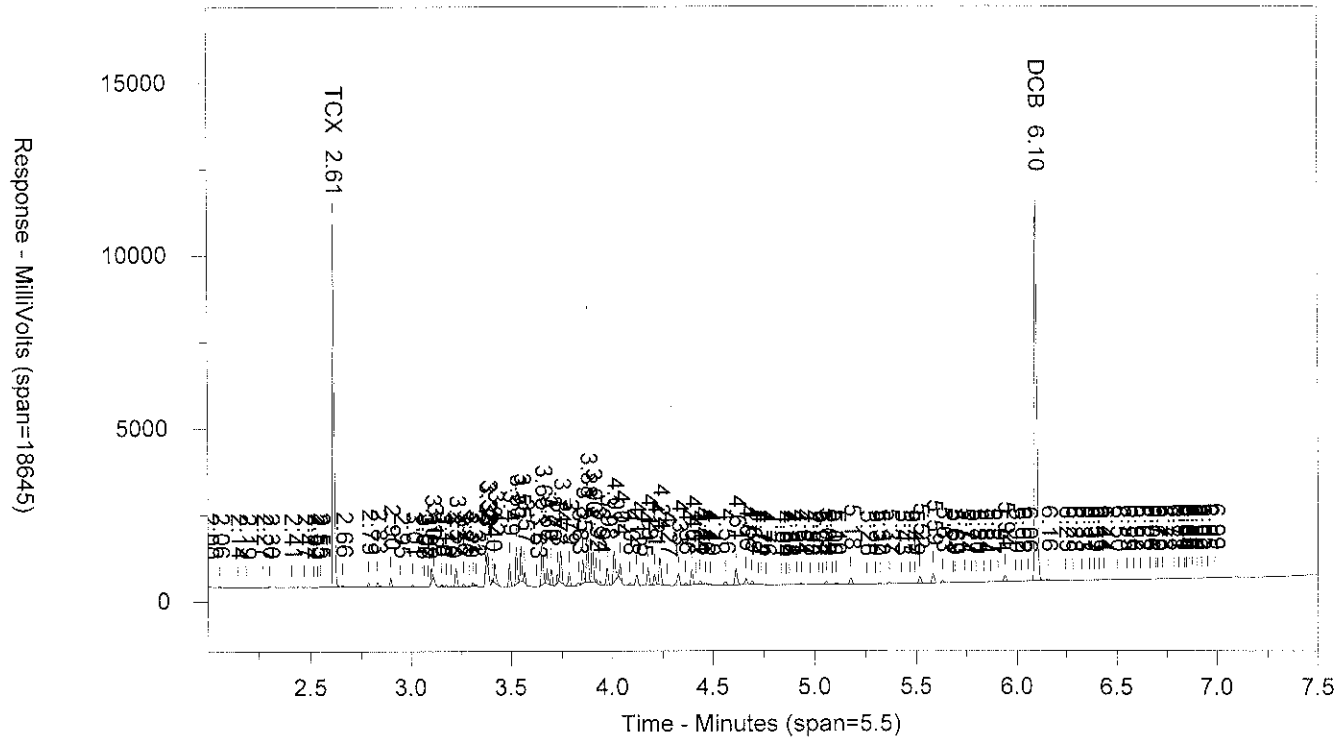

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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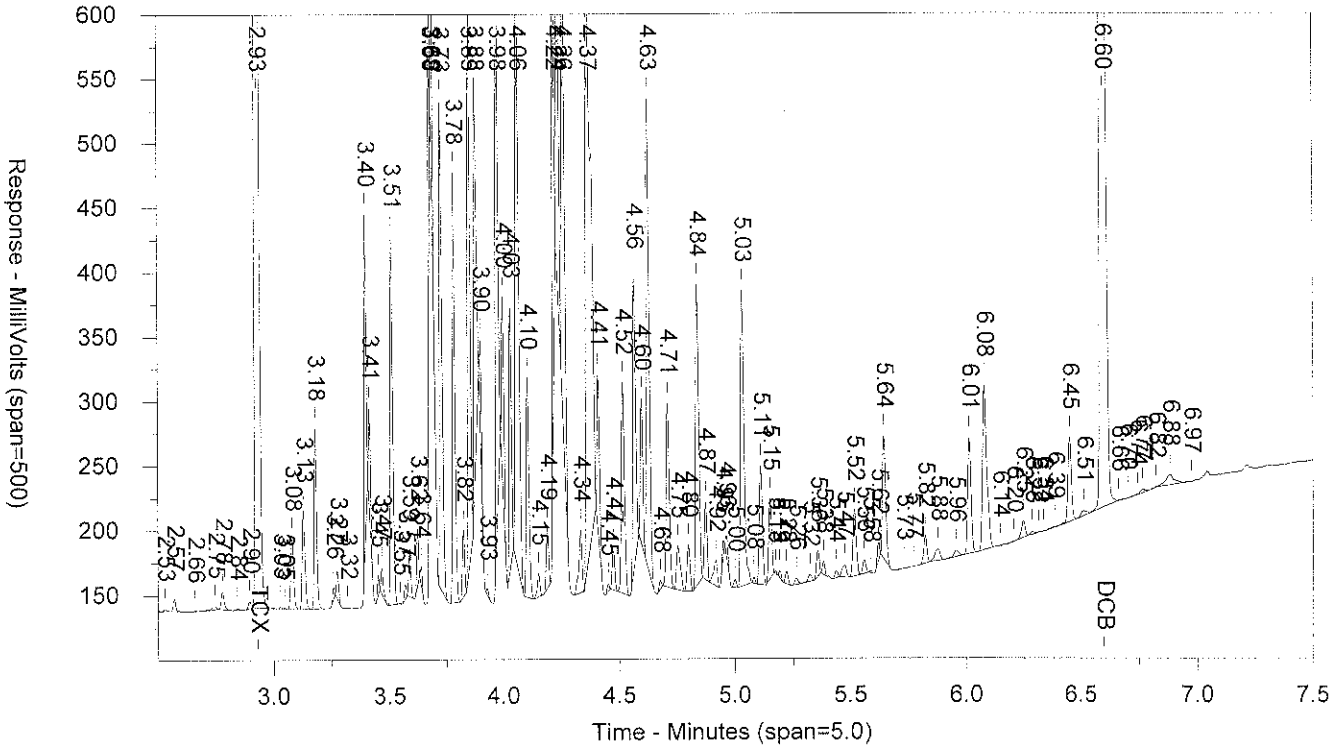

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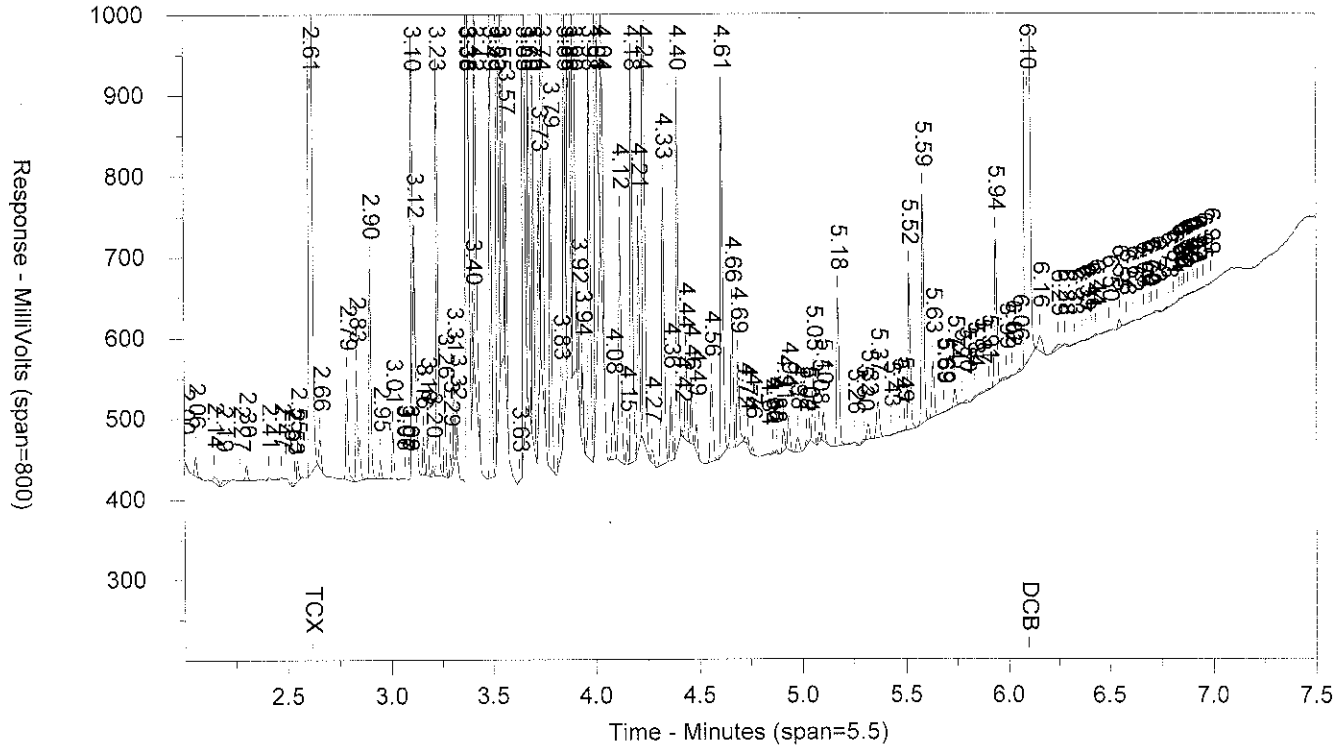

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 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: 25PCBS17284001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11624	10852
2.089		19814	46603
2.23		41531	33346
2.303		616	453
2.338		21063	24673
2.431		4176	3332
2.489		7923	8087
2.531		1655	1533
2.569		21370	16011
2.655		627	596
2.686		414	276
2.712		565	600
2.747		2148	2841
2.777		20931	18889
2.843		2272	2451
2.895		5232	3907
2.93	TCX	9070940	6202152
3.028		2479	1605
3.077		127455	113014
3.127		122649	112411
3.18		308352	232472
3.257		11835	6022
3.273		56317	35400
3.316		1739	1159
3.371		242	167
3.395		558693	354380
3.412		183492	103508
3.449		36663	19594
3.465		44729	29766
3.51		652841	503266
3.546		1374	568
3.566		17753	10229
3.586		90862	61895
3.62		104371	62700
3.635		33433	15648
3.678		370540	212397
3.689		508120	235365
3.726		912185	708227
3.782		764682	598057
3.823		119477	84365
3.852		1152563	844763
3.879		704335	560229
3.9		156953	82059
3.926		4151	2265
3.974		1351586	988277
3.999		348256	225338
4.03		462738	332730
4.062		1163222	1101206
4.102		388971	323218
4.15		45517	41365
4.189		115617	90383
4.222		863063	567280
4.241		1123872	690418
4.264		1267154	945264

RT A	Compound A	Height A	Area A
4.335		111598	111094
4.369		880427	732419
4.387		252225	132991
4.411		265226	190066
4.452		15379	9963
4.473		71850	55210
4.514		362702	342441
4.565		495060	442589
4.595		265381	200418
4.626		840721	756838
4.675		14702	10319
4.708		319995	309136
4.751		80969	98031
4.797		85178	79067
4.837		543460	524778
4.872		82382	68541
4.916		51407	60397
4.949		34885	26218
4.961		26716	18438
5		12495	9108
5.033		544502	569408
5.081		11994	7968
5.112		132898	134119
5.153		149756	133527
5.175		5658	2146
5.193		12295	7883
5.221		23701	20448
5.263		12335	11938
5.295		869	515
5.324		4686	5020
5.358		51888	42682
5.383		23722	17051
5.438		12445	10223
5.475		15762	20392
5.517		73674	74715
5.557		27374	23672
5.582		3541	2267
5.617		39025	29290
5.642		132045	120416
5.729		713	1091
5.761		374	385
5.821		46573	46488
5.877		20790	31401
5.924		705	340
5.956		5495	7693
6.013		127820	130216
6.077		181364	232795
6.15		611	868
6.247		26336	27980
6.29		2348	3334
6.343		394	523
6.387		800	1417
6.42		1115	655
6.45		96344	100650
6.517		3497	5962
6.599	DCB	5338336	5545493
6.701		685	775
6.723		864	371
6.739		544	277
6.777		1272	2281
6.834		820	796
6.882		7809	17484
6.963		414	196

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 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: 25PCBS17284001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1561	1649
2.055		34453	25617
2.144		10192	14488
2.188		6932	9265
2.301		39495	27782
2.412		2930	4282
2.468		2699	1818
2.517		4034	3519
2.547		40595	27638
2.572		3230	1795
2.614	TCX	16599170	9478939
2.658		77396	61761
2.714		2262	1802
2.786		266464	188006
2.832		166025	85878
2.846		75030	35102
2.898		554171	358811
2.948		33343	19262
3.008		124917	80189
3.069		695	325
3.104		871586	452776
3.115		173708	64266
3.156		107424	62343
3.177		125007	73712
3.202		33339	17925
3.226		1144692	788989
3.263		187079	114420
3.29		43431	21407
3.309		229555	123320
3.324		92751	42426
3.351		2161	1074
3.375		971144	437507
3.384		1098634	435732
3.404		209185	86304
3.418		1283245	877219
3.492		1585462	986634
3.527		2617194	1553308
3.551		2457600	1334997
3.569		736952	368751
3.63		1205	403
3.655		3233997	2045076
3.678		995123	533038
3.698		1060464	648200
3.727		623585	311619
3.744		2413343	1332930
3.785		880511	625063
3.832		177912	157485
3.854		1724642	1059064
3.876		4114444	2612055
3.901		2991702	1823804
3.921		249879	117083
3.94		217478	124040
3.975		1229284	850141
4.009		2177006	1651040

RT B	Compound B	Height B	Area B
4.037		1027549	572324
4.084		156227	115169
4.119		719969	563033
4.151		40316	22985
4.176		1227687	915339
4.208		701850	483545
4.235		1935020	1396088
4.274		39988	37001
4.329		782648	721046
4.364		174456	133519
4.396		1132686	830727
4.419		23690	9924
4.437		140821	91506
4.463		139528	88186
4.488		86451	62360
4.561		212980	210902
4.614		1137983	911086
4.664		247133	213683
4.692		266492	220240
4.724		20221	9610
4.738		23513	12634
4.762		23628	16387
4.808		972	484
4.821		1479	570
4.84		2619	1614
4.86		7464	4031
4.879		9908	5711
4.911		59062	41649
4.936		93962	73809
4.981		31625	37527
5.021		13264	8448
5.037		2978	1109
5.055		115034	89850
5.084		32293	20619
5.105		83282	69481
5.177		276930	234131
5.217		1055	563
5.234		1515	719
5.296		5456	3818
5.319		46470	38795
5.366		94141	97096
5.425		754	668
5.439		1238	262
5.459		2221	1942
5.517		283353	241492
5.587		400401	351580
5.635		106489	91667
5.689		782	1899
5.716		1066	1043
5.741		53172	43950
5.779		1385	1046
5.871		1877	6912
5.895		2779	1580
5.939		266899	221014
5.97		3264	1891
5.992		1982	1091
6.029		1819	2173
6.059		3982	4664
6.098	DCB	17355720	14351020
6.159		15704	21822
6.2		1423	788
6.255		5131	10543
6.279		1596	385
6.295		1603	317
6.333		979	970
6.344		1025	373

RT B	Compound B	Height B	Area B
6.367		2047	1401
6.387		1588	895
6.403		1176	362
6.421		1300	683
6.438		2620	2019
6.508		2468	4390
6.521		1352	642
6.55		19352	16769
6.603		2010	1193
6.724		1948	1589
6.738		1366	214

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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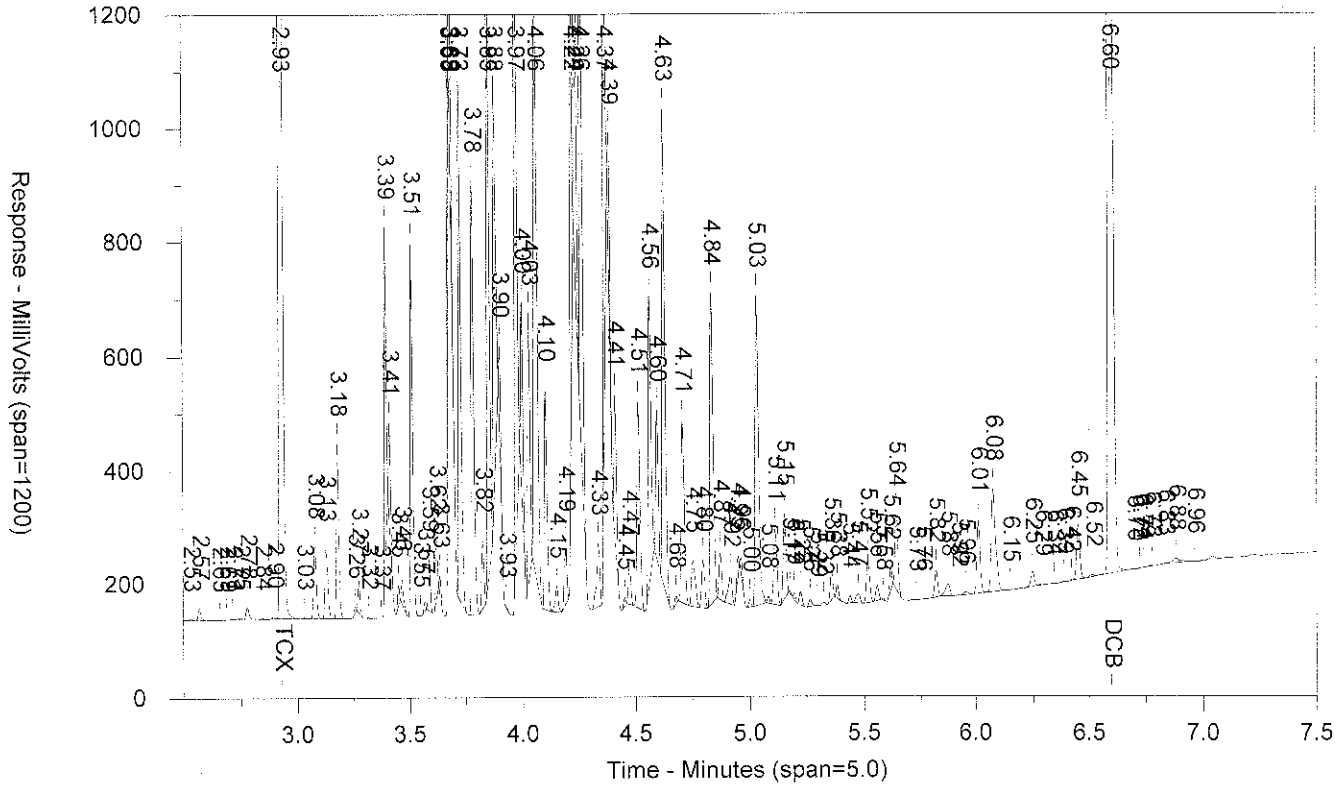

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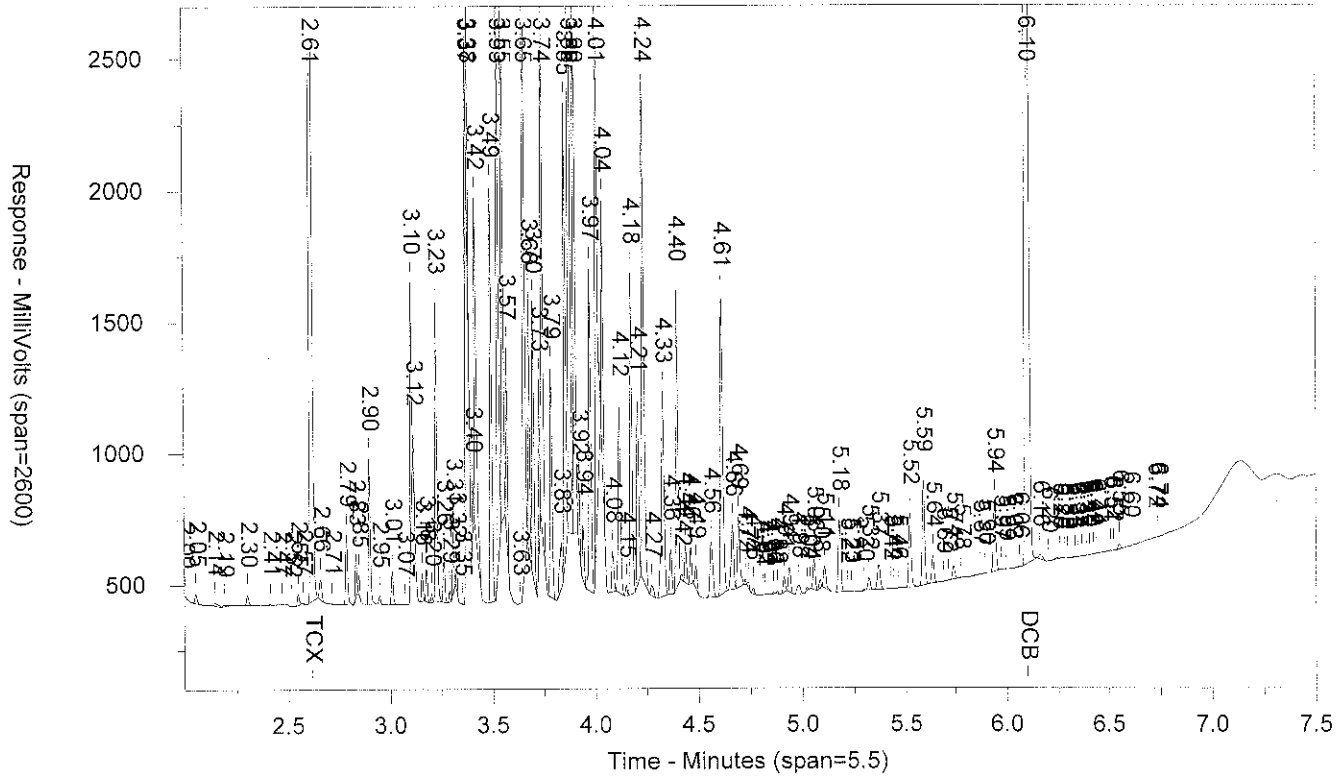

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:18:20 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
2.93	9070940	60.124	TCX	2.614	16599170	60.929	TCX
6.599	5338336	55.382	DCB	6.098	17355720	57.33	DCB

Files:
Area File: 25PCBS17284001.017.RAW
Area File: 25PCBS17284001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:16 PM
File Reported On: 10/12/2017 at 3:34:16 PM

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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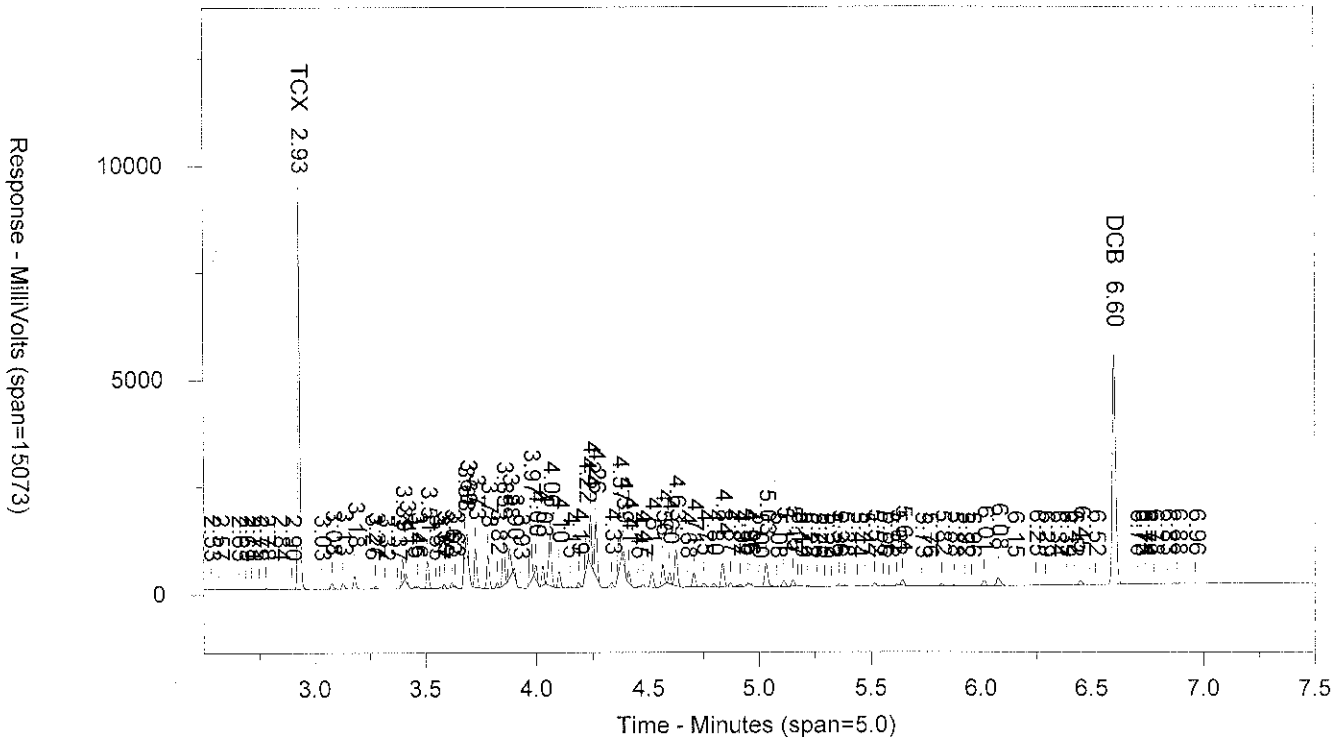

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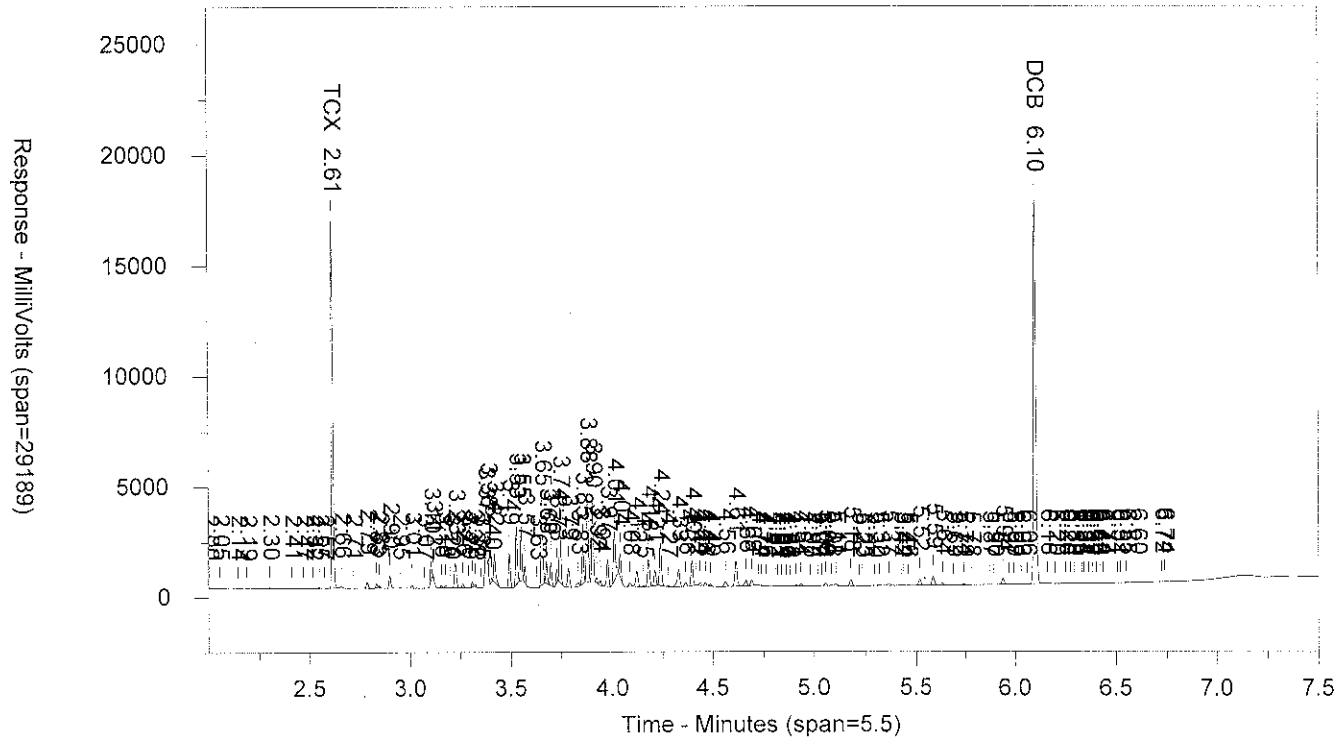

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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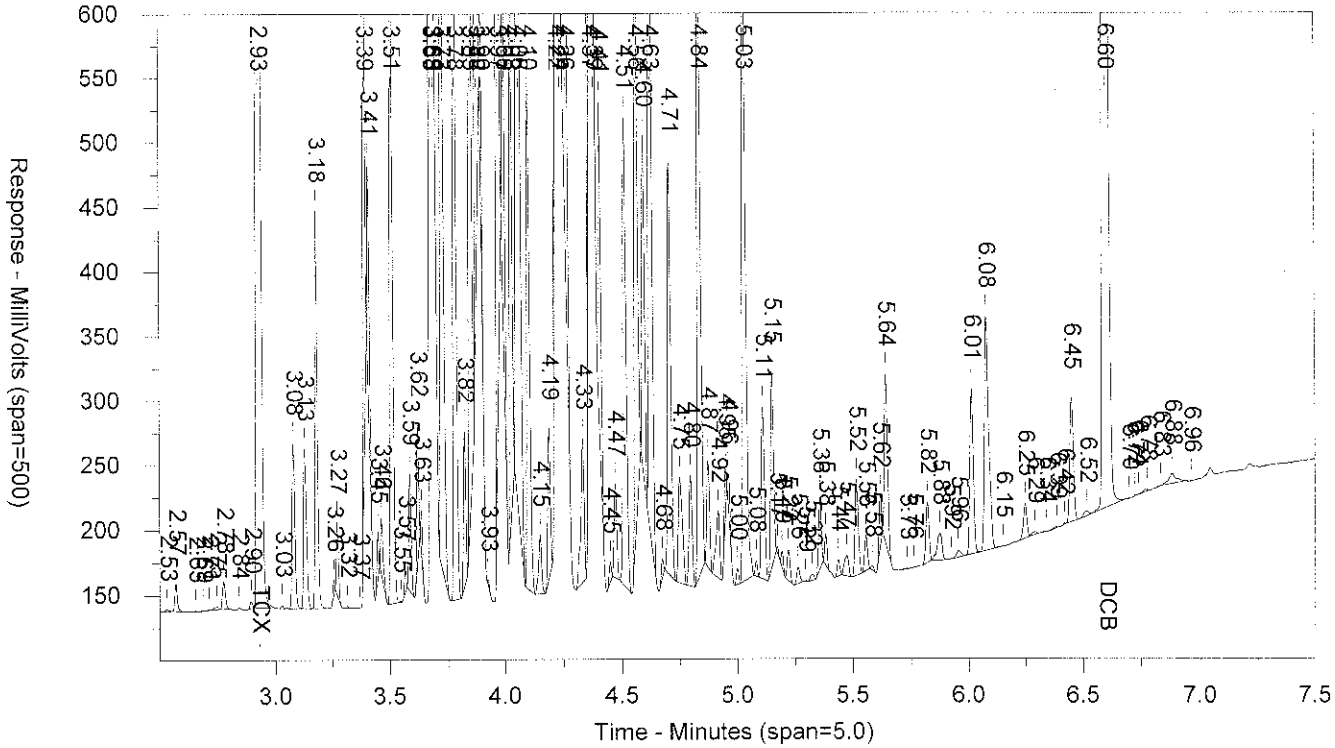

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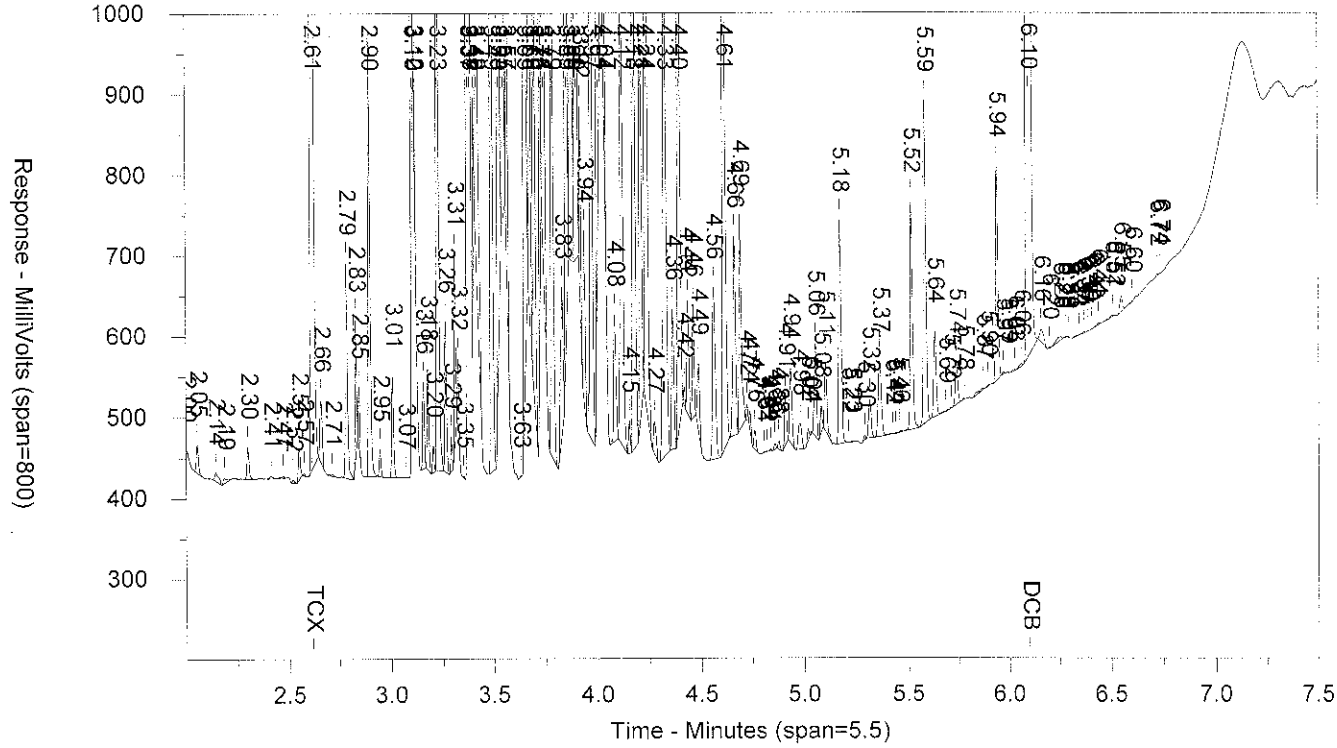

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 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: 25PCBS17284001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		20330	21163
2.087		18405	44222
2.23		53481	42186
2.296		612	524
2.338		26527	26938
2.431		5088	4022
2.49		14407	14896
2.531		1434	1410
2.569		36746	28852
2.654		968	784
2.747		2239	3425
2.777		20093	18990
2.842		4316	3454
2.895		10524	8427
2.93	TCX	12157450	8190003
3.027		2887	1715
3.049		757	357
3.078		237523	212009
3.128		172225	170320
3.18		583207	437610
3.258		15942	7880
3.274		102163	68232
3.316		3595	2726
3.395		1090138	683747
3.412		341172	182916
3.45		66778	37719
3.465		84679	56700
3.51		1223072	969382
3.548		1958	929
3.566		23245	13929
3.586		169245	119880
3.62		194895	117846
3.635		65091	30450
3.678		893787	461434
3.689		1041815	491536
3.726		1736291	1389349
3.782		1584918	1183714
3.824		213281	155593
3.852		2354004	1679609
3.879		1360298	1136003
3.9		311026	165528
3.974		2764849	1970573
3.998		695508	428554
4.03		884785	649623
4.063		2362903	2209740
4.103		723786	622744
4.149		91716	81813
4.188		225963	175759
4.222		1758509	1152702
4.241		2379011	1460102
4.265		2423284	1856606
4.334		206258	216316
4.368		1865007	1481098
4.387		441154	262311

RT A	Compound A	Height A	Area A
4.41		506361	352143
4.451		32117	20401
4.473		134159	105578
4.515		702190	651063
4.565		1003537	881025
4.596		519353	387203
4.626		1713123	1488422
4.675		31526	20974
4.708		614926	596904
4.751		152844	189097
4.797		170356	153499
4.837		1122917	1041620
4.871		106786	85590
4.916		108605	129460
4.95		55597	43914
4.962		43302	32547
5		20731	15061
5.032		1157711	1140426
5.082		24784	16670
5.112		174306	180452
5.153		262012	248808
5.174		11662	4849
5.193		23469	13883
5.22		48085	41675
5.262		23370	23474
5.295		1656	1098
5.323		6961	7455
5.358		95794	81319
5.381		46424	33221
5.438		22659	19701
5.475		24945	30632
5.518		92663	96903
5.556		54908	49247
5.582		6479	4404
5.617		79268	61440
5.642		158040	146724
5.723		719	695
5.821		89733	87116
5.876		38086	59341
5.923		172	377
5.955		8680	11900
6.014		167304	171898
6.077		231578	310343
6.142		444	216
6.187		698	244
6.247		51664	54283
6.29		3263	4142
6.379		1613	1837
6.426		704	844
6.451		131798	137465
6.511		6229	9541
6.556		550	565
6.6	DCB	7239705	7265796
6.702		428	397
6.727		633	282
6.773		3345	4723
6.802		504	181
6.831		526	774
6.884		8036	21199
6.981		819	405

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 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: 25PCBS17284001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		44183	34255
2.144		14703	22194
2.187		11659	19235
2.301		68275	50683
2.41		3997	5293
2.468		4909	20000
2.547		39507	30878
2.572		6452	3075
2.615	TCX	21658580	12612500
2.658		135617	109198
2.756		986	631
2.786		485293	344769
2.832		211061	102989
2.846		146596	72082
2.898		1057413	666612
2.948		43716	26214
3.009		215268	142835
3.07		823	189
3.088		749	362
3.105		1598038	825667
3.116		377692	127499
3.156		199597	117408
3.178		229322	133676
3.203		64281	34297
3.227		2274578	1509647
3.264		345387	212491
3.291		52465	25422
3.31		433594	235731
3.325		181728	84743
3.35		3786	1961
3.375		1864475	835429
3.385		2480358	999726
3.405		375130	152739
3.419		2639138	1765597
3.493		3200039	1962416
3.528		5269139	3061482
3.551		4882318	2670175
3.569		1471602	727263
3.655		6587784	4109505
3.678		1997061	1057194
3.699		2176716	1278392
3.727		1135926	582943
3.744		4803154	2707366
3.785		1774360	1222806
3.832		352468	294975
3.854		3638481	2176741
3.877		8183394	5122428
3.901		6057473	3780301
3.921		450387	218116
3.941		429049	243287
3.975		2436083	1684673
4.01		4545594	3387172
4.038		2320678	1293617
4.068		7858	2787

RT B	Compound B	Height B	Area B
4.085		309015	210935
4.119		1393569	1084280
4.151		52899	28821
4.176		2638857	1856299
4.209		1391740	970102
4.236		4140700	2862294
4.274		76602	74308
4.328		1555301	1421503
4.364		347354	261232
4.396		2317425	1658774
4.419		55721	24867
4.437		167895	104987
4.463		267009	172941
4.488		176597	125926
4.563		393057	395770
4.613		2394900	1874397
4.664		319607	296161
4.692		516162	426312
4.724		40743	19209
4.738		44418	22498
4.762		47529	31961
4.82		4529	3689
4.839		5028	2847
4.861		13286	8427
4.878		19469	12631
4.911		105881	76746
4.935		190179	143080
4.983		51839	60140
5.021		23973	16207
5.036		2350	968
5.056		150633	116472
5.083		63858	43429
5.105		169544	139551
5.146		2380	950
5.177		356758	310333
5.249		2198	4483
5.297		6772	5391
5.319		89083	71078
5.365		174406	178981
5.455		1102	278
5.48		989	813
5.518		379139	315936
5.586		545248	458241
5.635		142742	117534
5.742		92746	78068
5.805		6957	19219
5.873		1714	18095
5.906		1562	2525
5.94		332473	275463
5.975		2373	2059
6		1537	1522
6.061		4717	9214
6.098	DCB	22529380	18638130
6.167		13967	23354
6.234		3565	3066
6.252		6255	20888
6.316		1720	908
6.344		1973	780
6.371		1236	344
6.415		1653	1197
6.438		4588	5236
6.491		2514	3049
6.508		5598	6787
6.549		25536	112006
6.958		2078	1251
6.991		1595	732

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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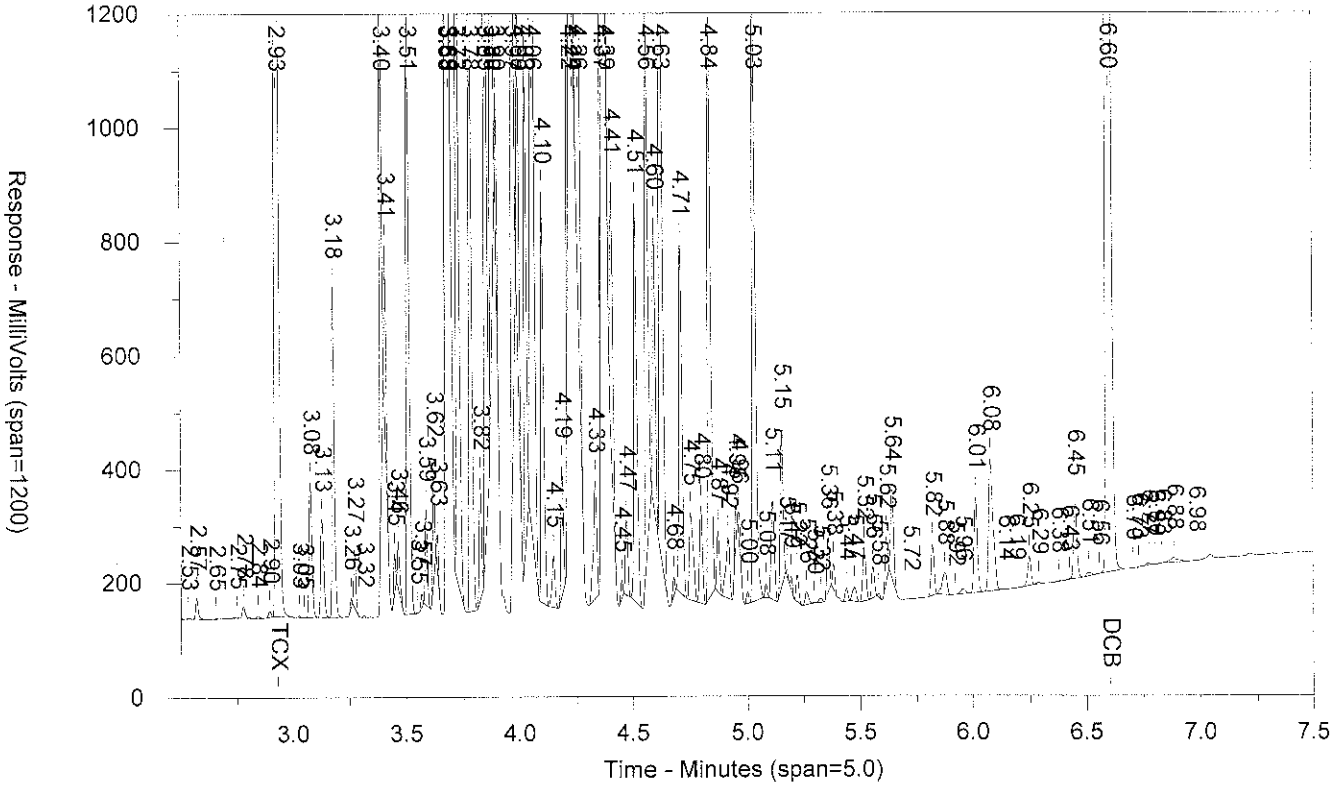

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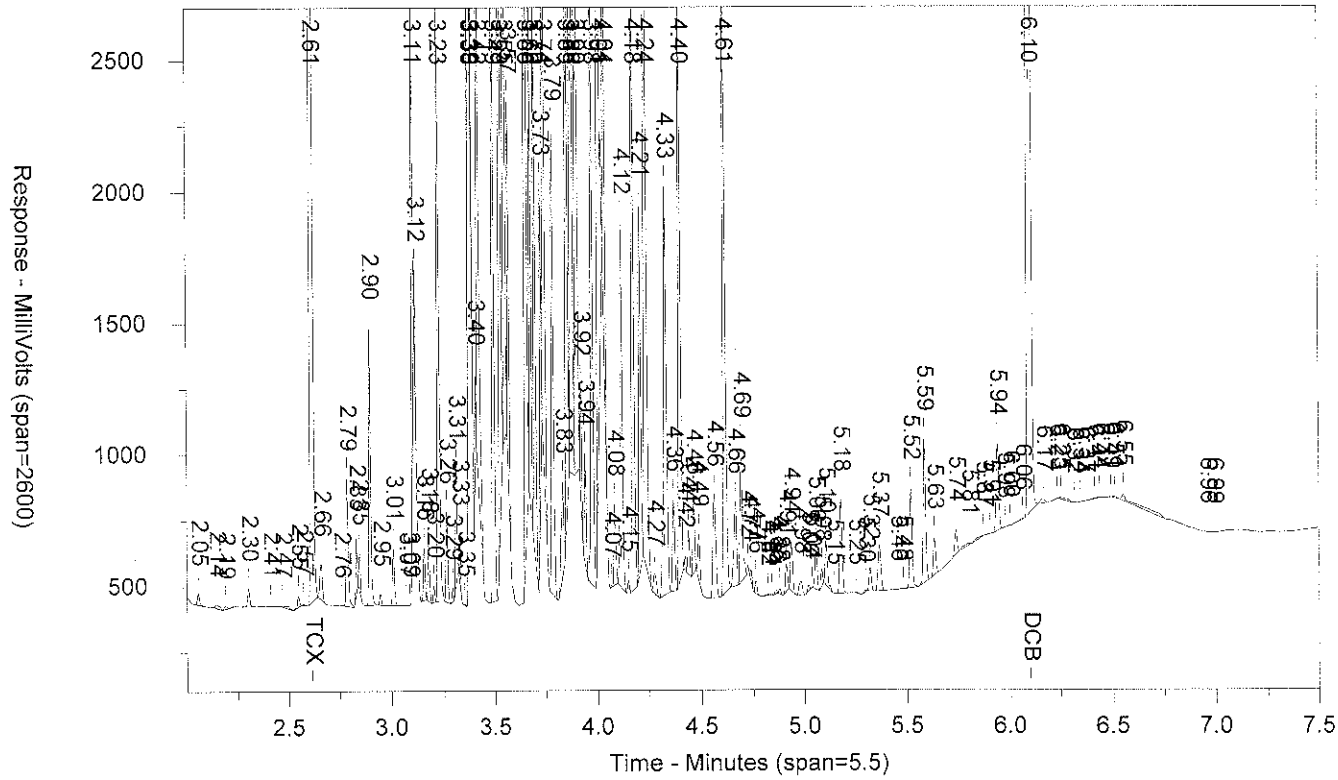

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:29:40 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
2.93	12157450	80.582	TCX	2.615	21658580	79.499	TCX
6.6	7239705	75.107	DCB	6.098	22529380	74.419	DCB

Files:
Area File: 25PCBS17284001.018.RAW
Area File: 25PCBS17284001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:34:35 PM

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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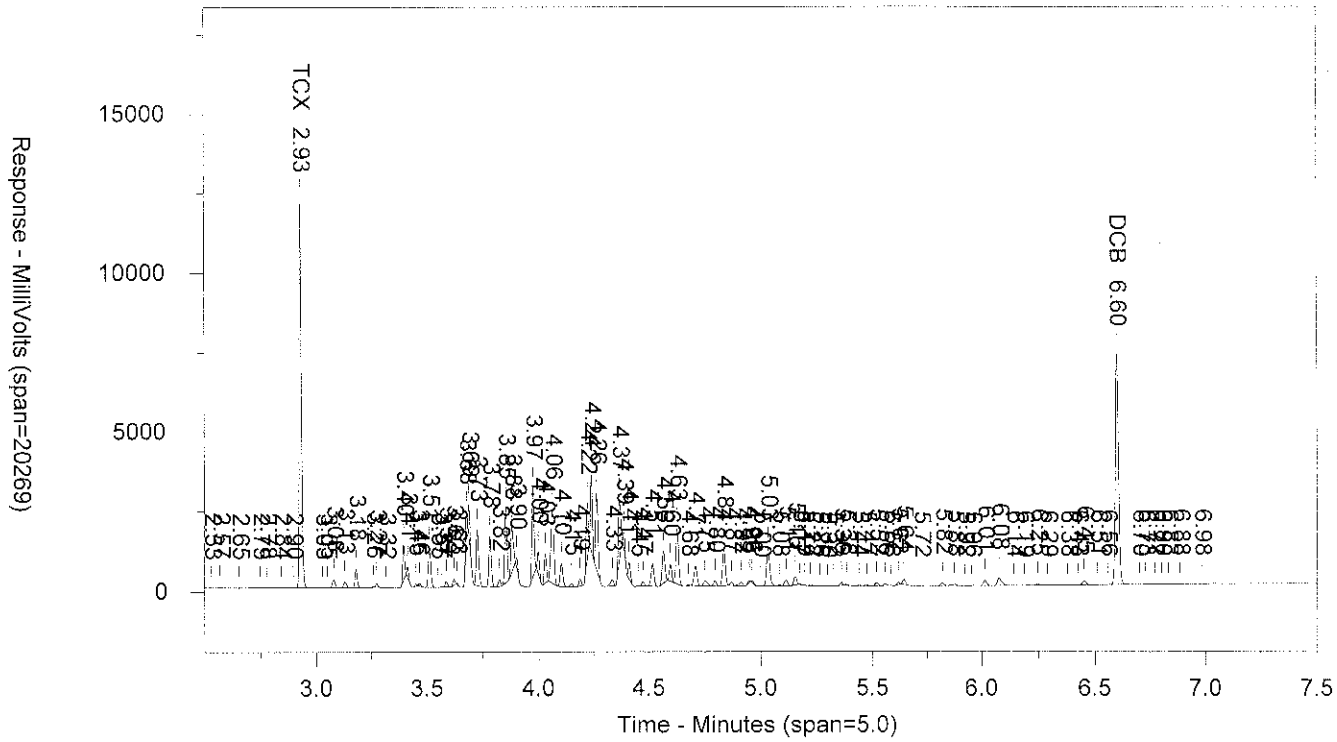

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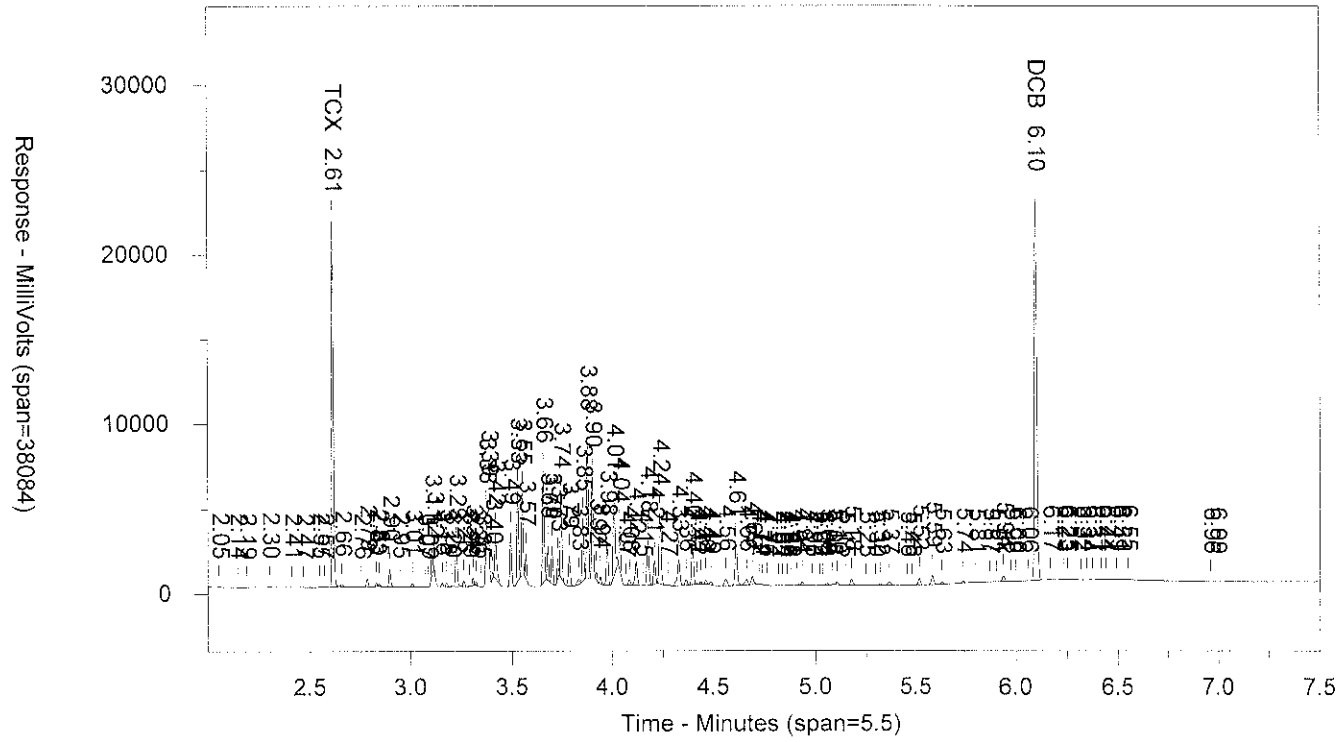

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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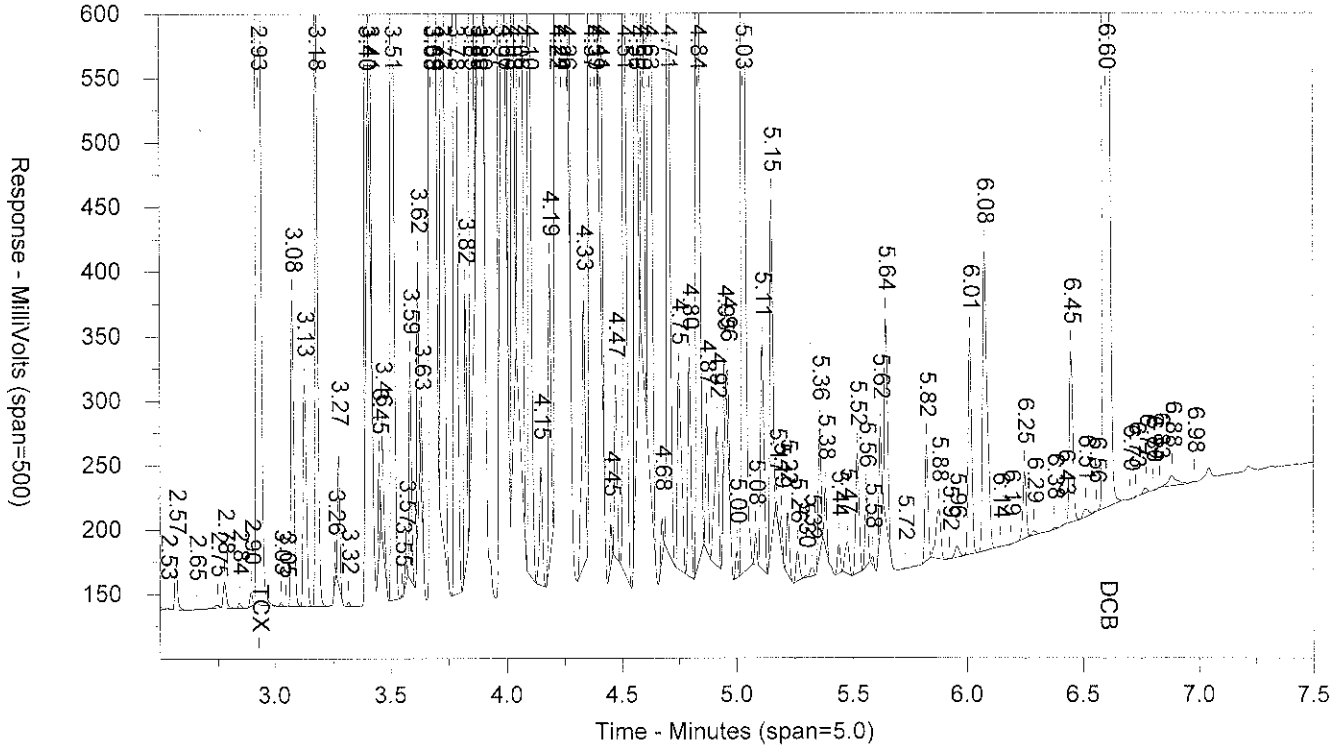

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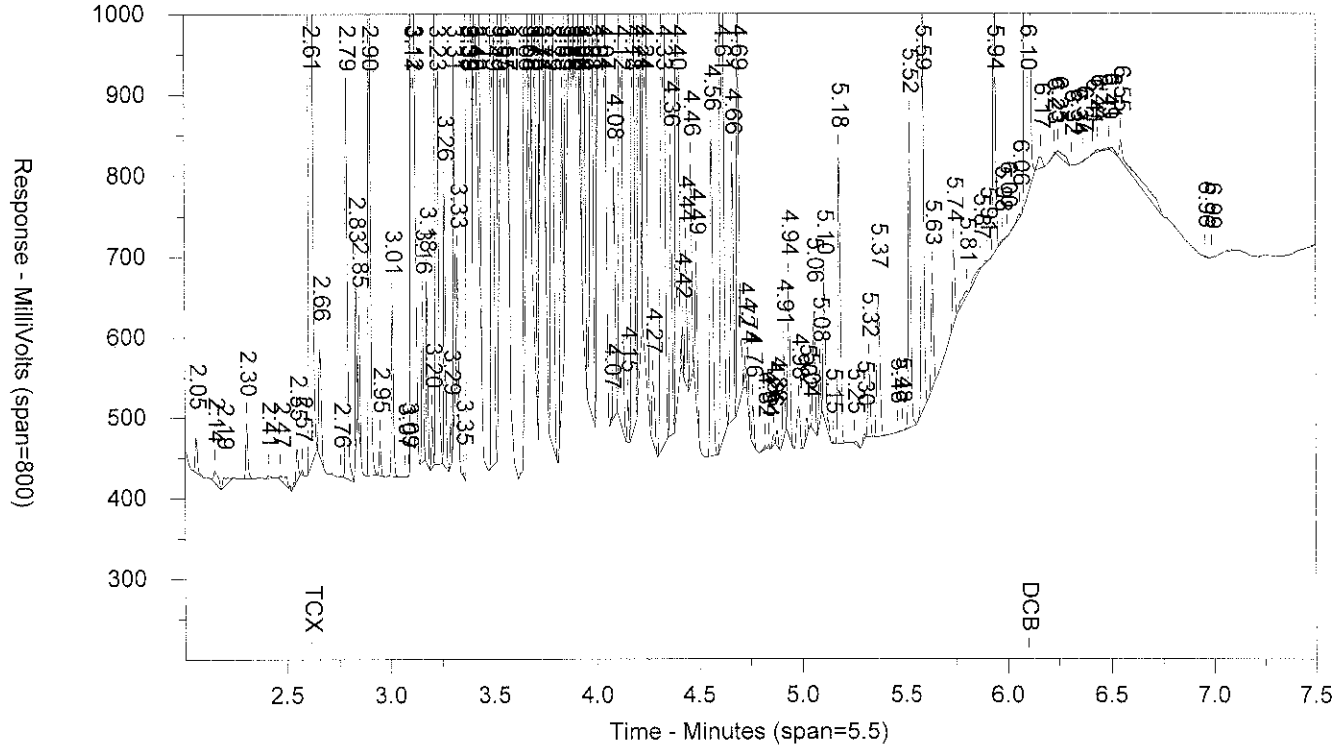

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 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: 25PCBS17284001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		12747	12448
2.09		10747	21947
2.231		2164	3978
2.301		616	455
2.331		11249	8123
2.372		734	776
2.491		8894	8465
2.529		1359	1290
2.572		586	293
2.591		687	723
2.658		463	250
2.684		928	756
2.747		2514	2871
2.779		12901	11899
2.897		6601	5947
2.931	TCX	294050	202867
3.03		403	365
3.079		2938	2953
3.129		4609	3979
3.181		5186	4071
3.263		6652	8313
3.365		456	250
3.399		6907	4214
3.416		2635	1867
3.469		4074	3200
3.512		9292	7125
3.542		649	438
3.589		5835	3305
3.607		3607	2534
3.681		2508	1694
3.704		1564	742
3.731		19604	14995
3.786		8308	6709
3.828		1592	1457
3.855		60180	45901
3.891		18564	23417
3.932		6626	6634
3.979		36707	28118
4.002		2276	1226
4.034		7162	4903
4.064		19713	23289
4.108		4418	3691
4.154		805	721
4.174		1563	1124
4.191		2863	1609
4.227		82211	58069
4.244		22063	11481
4.271		28994	26532
4.339		23513	19867
4.38		127260	144013
4.415		49238	38945
4.454		1537	948
4.477		8236	6471
4.519		52569	46396

RT A	Compound A	Height A	Area A
4.568		88639	73703
4.599		15998	10777
4.63		163921	148444
4.68		7551	5297
4.694		1674	562
4.712		21745	17033
4.755		55776	57045
4.8		10528	9227
4.841		116643	107737
4.872		3255	2299
4.9		12606	14276
4.954		70491	118333
5.039		80380	86323
5.085		8703	6833
5.113		11091	15766
5.156		118945	108258
5.178		4703	2380
5.196		4284	2526
5.224		3882	3205
5.267		4891	6022
5.325		6459	7455
5.361		36433	29979
5.386		8354	5761
5.441		4893	4273
5.48		4045	3836
5.522		3426	3393
5.56		21669	20052
5.586		2755	1644
5.62		16021	13514
5.65		7134	8837
5.707		562	149
5.727		806	655
5.743		573	309
5.824		16039	14532
5.855		2128	3067
5.96		5823	8727
6.015		4415	3783
6.08		7016	9107
6.158		136	755
6.171		470	217
6.208		657	863
6.245		5310	7148
6.285		2291	2261
6.325		525	218
6.371		698	561
6.407		537	498
6.454		3437	4212
6.517		4552	7529
6.604	DCB	214611	231989
6.666		654	609
6.687		513	381
6.779		2138	4677
6.887		8724	21334
6.973		493	517

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 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: 25PCBS17284001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1736	1425
2.155		6202	6948
2.231		3857	20191
2.299		2571	2187
2.413		3857	5127
2.468		2996	2392
2.495		5030	4728
2.517		3561	1640
2.547		26902	24977
2.614	TCX	523624	320276
2.66		4312	4580
2.714		1959	2193
2.785		6453	9169
2.832		11481	10966
2.899		11553	8497
3.01		4041	2621
3.068		466	64
3.085		454	80
3.106		9081	4201
3.118		3343	1108
3.159		1731	1124
3.179		8778	6826
3.207		1455	894
3.229		18466	11686
3.264		15907	9135
3.291		1954	888
3.313		1822	1178
3.329		3915	2303
3.378		4047	2606
3.406		3304	1423
3.422		26452	22521
3.455		1980	975
3.478		482	85
3.496		18063	11998
3.53		138625	84975
3.554		71513	41728
3.572		3961	1381
3.589		4135	6079
3.636		1180	1418
3.657		92152	57190
3.68		8494	4785
3.702		18523	11172
3.731		31381	16416
3.748		28073	15348
3.787		12790	9564
3.828		10257	10182
3.856		27452	16867
3.879		279521	188209
3.904		29114	16180
3.924		31308	16942
3.944		55710	35440
3.978		263797	180278
4.01		102908	61769
4.027		69435	37409

RT B	Compound B	Height B	Area B
4.087		24103	21398
4.122		106921	80887
4.154		4218	3213
4.178		189389	145517
4.212		56949	41938
4.239		330129	259353
4.277		27356	24339
4.33		173617	149169
4.368		21999	17608
4.4		188650	141707
4.423		29873	18593
4.465		136005	104566
4.492		5091	2911
4.565		120396	124658
4.617		138539	112175
4.657		37950	36916
4.695		224377	220601
4.742		16695	10173
4.766		7871	5680
4.827		2640	3831
4.882		11003	10004
4.914		13949	9273
4.938		72738	56983
4.989		3403	1906
5.023		8204	7026
5.056		8153	6721
5.087		29950	22024
5.107		23683	15621
5.125		2814	2035
5.179		11051	9067
5.209		1082	484
5.321		3323	8037
5.364		33148	32263
5.424		1327	728
5.435		763	315
5.468		827	624
5.483		1016	540
5.52		12149	15194
5.588		17090	17172
5.639		6402	6899
5.666		1243	651
5.684		1025	729
5.749		2023	4099
5.804		3390	6345
5.889		1633	12430
5.915		1111	1372
5.944		9259	8680
5.988		2978	3534
6.022		1613	1547
6.059		3885	4000
6.1	DCB	622958	548995
6.13		2069	910
6.165		22054	37491
6.258		2072	6430
6.294		2977	3605
6.324		2513	1604
6.368		1532	2097
6.399		1462	418
6.413		1184	561
6.427		1277	688
6.454		1321	1455
6.493		1051	1781
6.512		1674	1194
6.556		909	790
6.582		1121	1050
6.626		1710	2841

RT B	Compound B	Height B	Area B
6.639		998	337
6.68		1437	1744
6.71		1461	548
6.729		1214	573
6.745		994	564
6.787		1858	3112
6.809		2235	1996
6.831		2031	543
6.855		1270	1426
6.871		1292	264
6.921		1634	3584
6.949		1421	571
6.96		2050	1524
6.991		1888	771

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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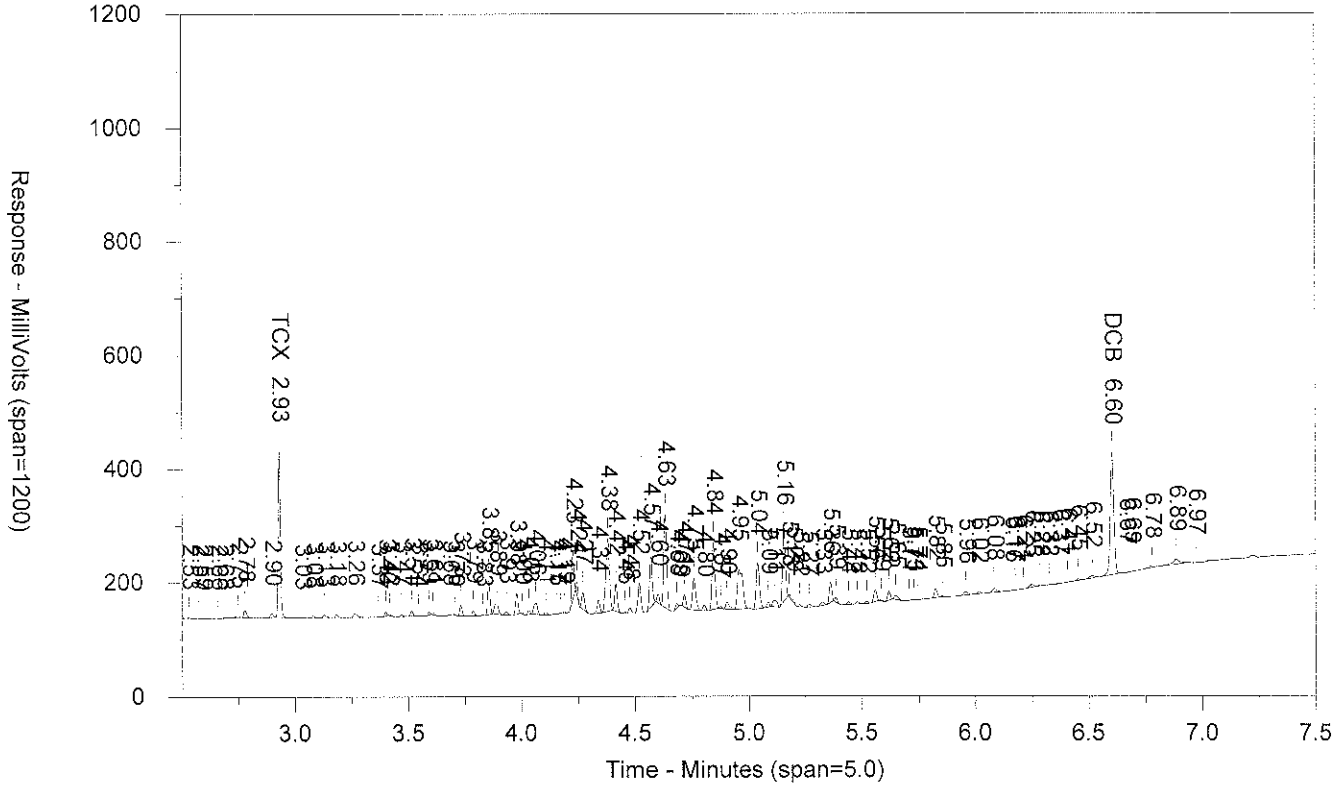

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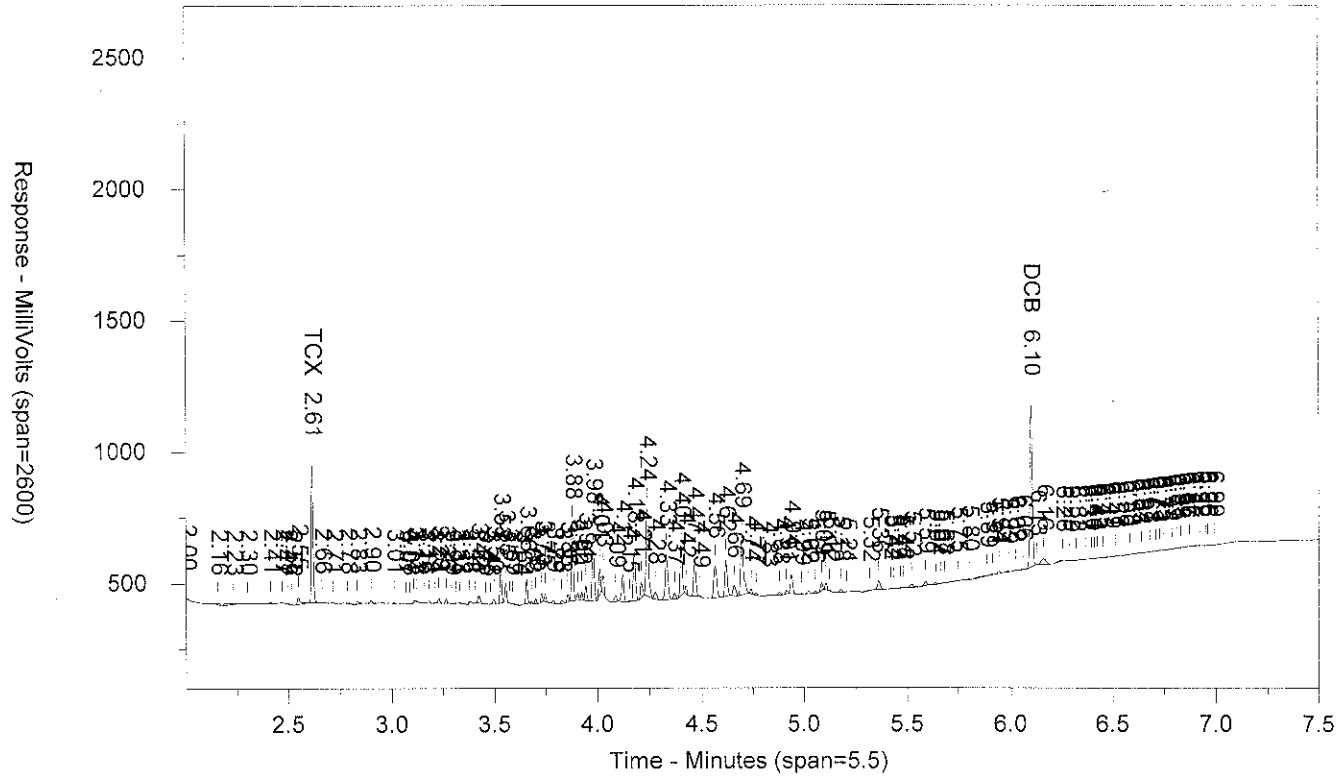

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:41:21 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
2.931	294050	1.949	TCX	2.614	523624	1.922	TCX
6.604	214611	2.226	DCB	6.1	622958	2.058	DCB

Files:
Area File: 25PCBS17284001.019.RAW
Area File: 25PCBS17284001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:34:51 PM

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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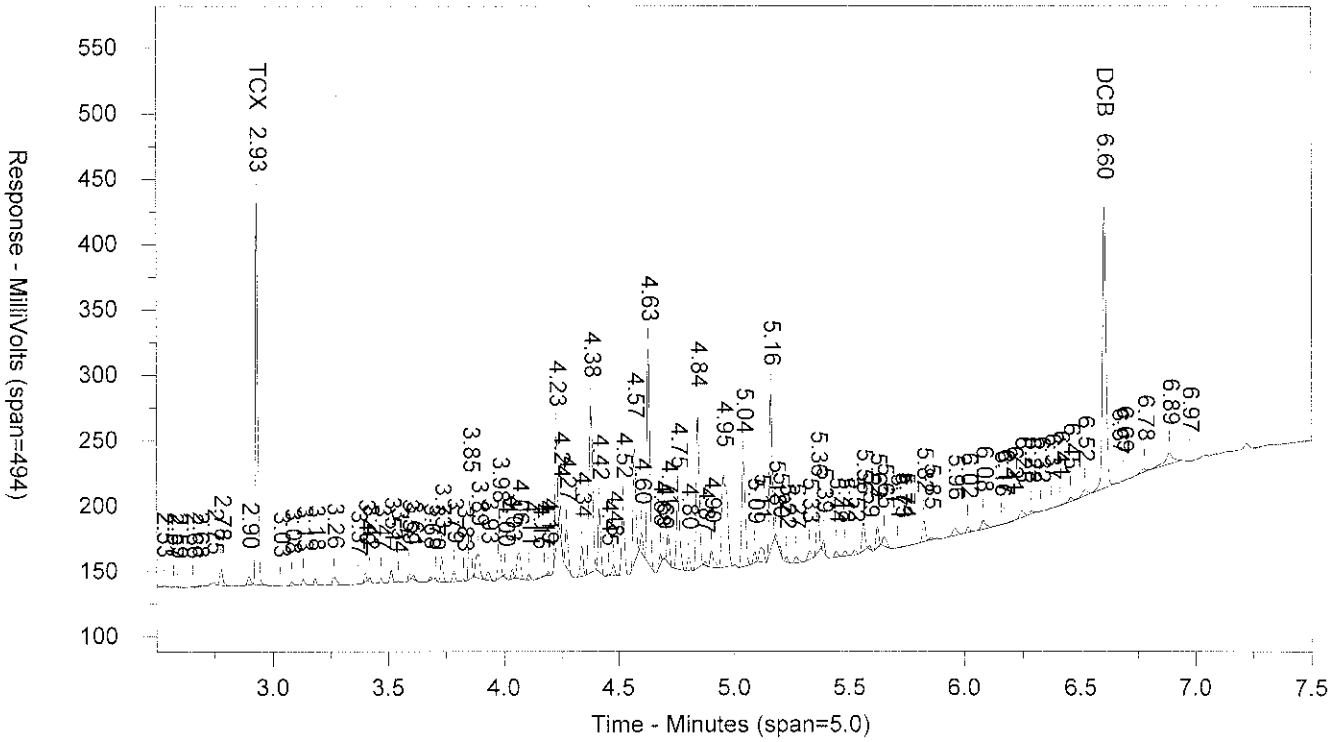

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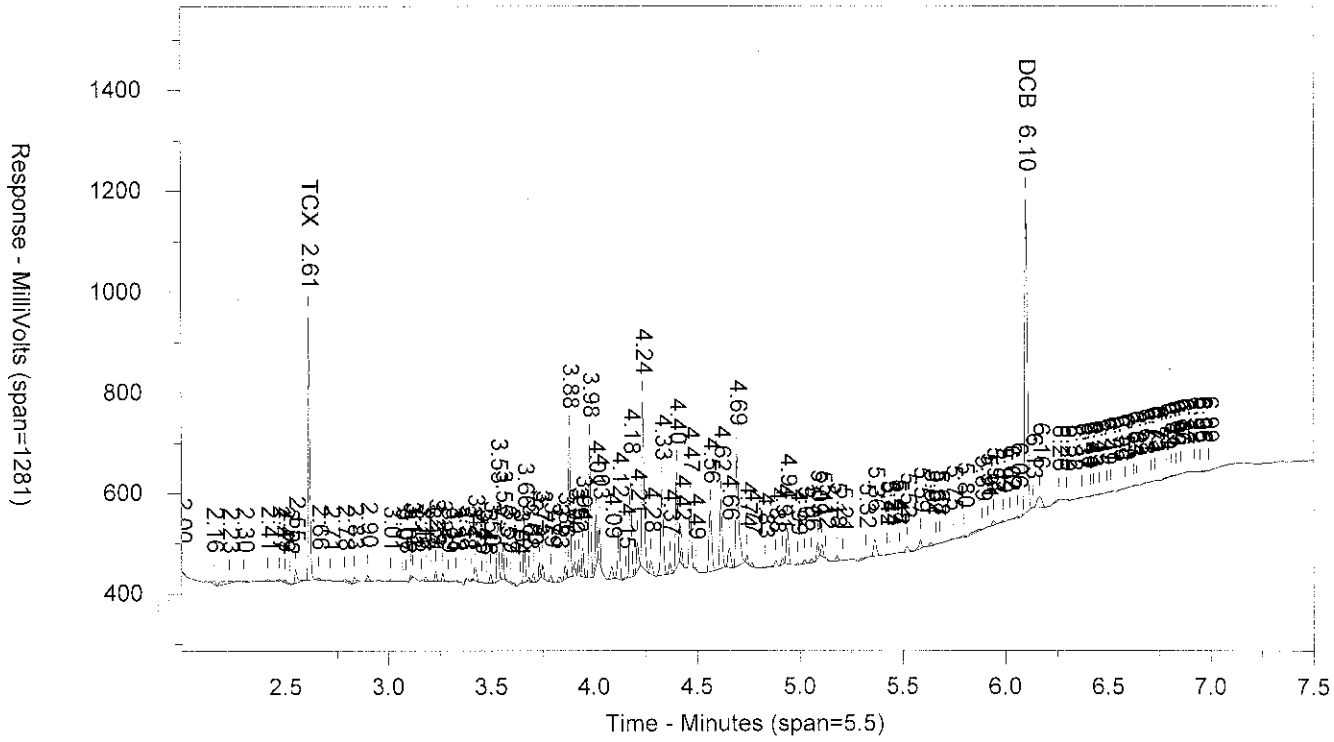

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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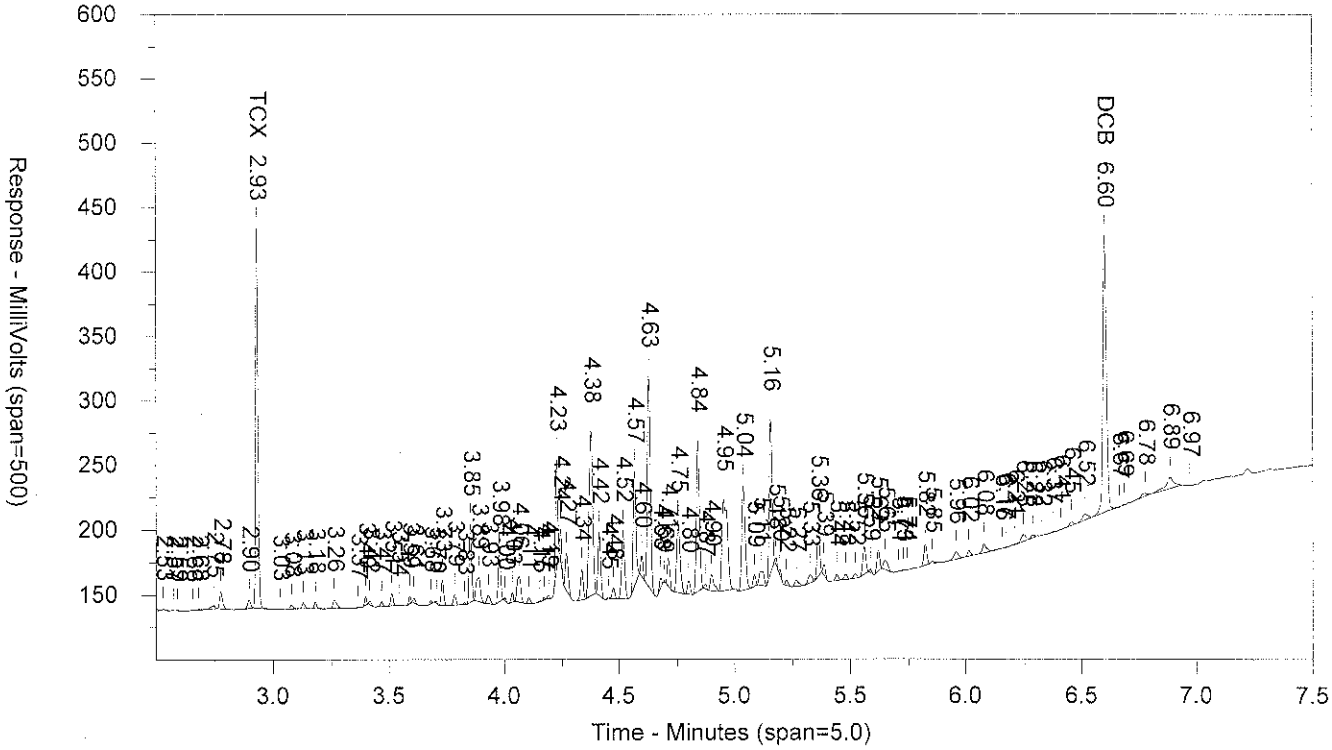

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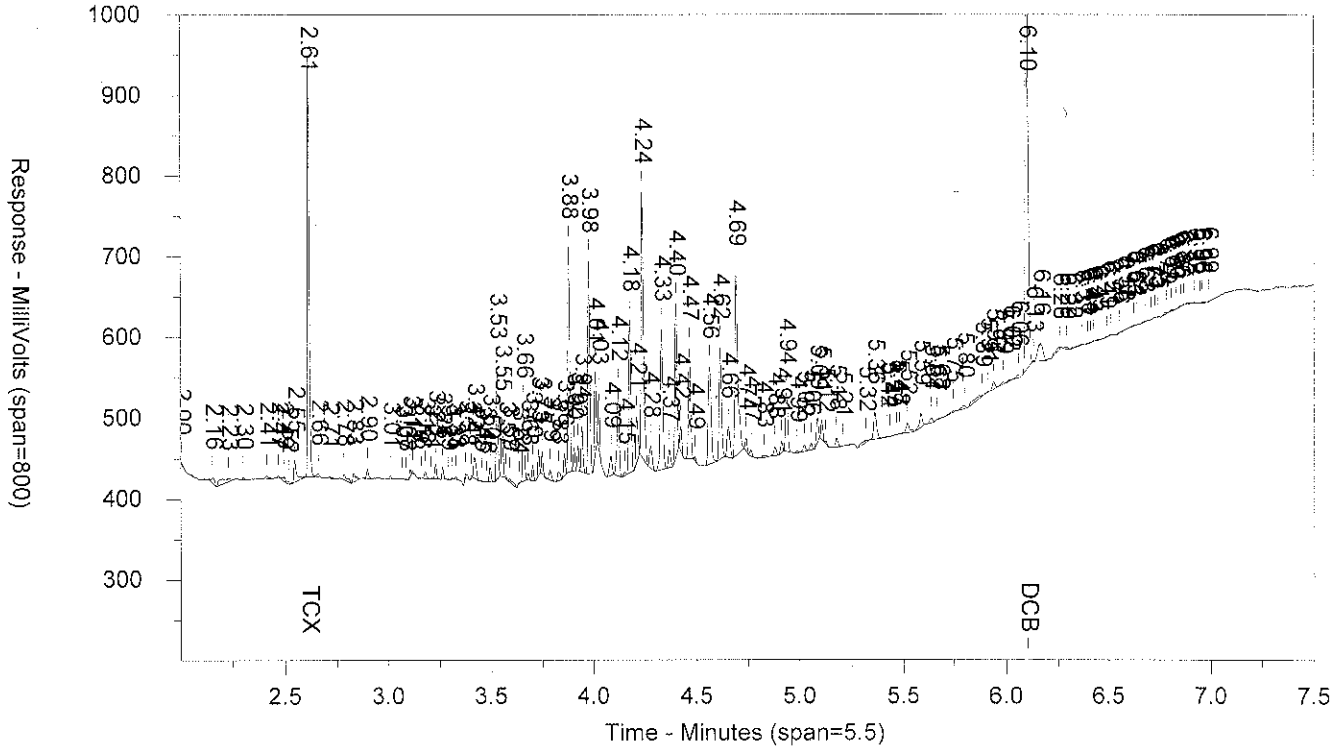

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 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: 25PCBS17284001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11424	10748
2.088		10842	29325
2.23		3022	2801
2.329		12349	9376
2.361		557	534
2.49		7871	7695
2.529		1625	1569
2.569		1238	730
2.587		996	520
2.655		510	418
2.685		269	131
2.715		296	368
2.746		2532	2656
2.777		10153	9110
2.855		710	786
2.896		5580	4502
2.93	TCX	555203	386419
3.027		460	267
3.05		507	320
3.077		4913	4538
3.127		8099	7062
3.178		9844	7423
3.261		6278	9593
3.366		512	470
3.396		12551	7702
3.413		4942	3700
3.465		7587	5823
3.51		17848	13895
3.536		662	454
3.566		1382	727
3.586		12700	7605
3.604		2236	1557
3.677		4936	3079
3.7		3596	1972
3.727		36393	27961
3.782		15750	12512
3.823		2916	2004
3.852		116017	88092
3.887		36008	44064
3.928		6468	6035
3.975		72801	55536
3.999		4160	2464
4.03		13486	9285
4.059		35887	44067
4.103		8518	7066
4.151		2341	2173
4.169		1243	765
4.188		6567	4136
4.223		143602	104576
4.241		43065	23950
4.267		52847	44078
4.335		46547	38653
4.377		233004	270419
4.411		92456	76659

RT A	Compound A	Height A	Area A
4.451		3104	1970
4.474		16482	12496
4.515		100149	90681
4.565		162866	142689
4.597		37269	23927
4.626		310363	282356
4.676		14289	10482
4.691		2467	883
4.71		44124	33788
4.751		106552	109512
4.797		20434	18225
4.838		208208	207930
4.87		6663	4756
4.898		22953	26561
4.949		131818	216572
4.997		2515	2048
5.035		152727	168637
5.082		17983	13255
5.112		21272	29881
5.154		214832	200831
5.175		8850	4234
5.192		7104	4778
5.221		7495	6063
5.263		9138	10812
5.325		4379	5014
5.359		72510	61250
5.382		16366	11762
5.44		9318	8191
5.477		7951	7688
5.518		6019	5840
5.557		45436	40994
5.583		5485	3666
5.618		33403	28071
5.643		7973	8754
5.701		328	108
5.712		463	174
5.763		374	305
5.821		33153	29755
5.851		3945	3058
5.958		4877	7529
6.014		8355	8518
6.078		12797	17318
6.128		659	411
6.15		675	500
6.168		471	171
6.205		627	508
6.246		4816	6416
6.285		2073	2314
6.317		552	218
6.382		609	655
6.453		6265	7955
6.516		3762	6045
6.601	DCB	390738	420166
6.741		697	769
6.771		1755	1753
6.883		8871	23443
6.965		579	145

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 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: 25PCBS17284001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		83	867
2.114		1462	1039
2.156		4203	3894
2.23		4425	19243
2.269		1562	1241
2.299		2923	2342
2.413		3140	3878
2.467		3516	3174
2.494		4524	3632
2.519		4219	3616
2.547		18120	12025
2.614	TCX	984392	594543
2.657		6199	4839
2.786		11359	10668
2.831		17557	16886
2.898		21364	14317
3.008		6893	4861
3.075		316	80
3.089		1526	537
3.105		19060	9017
3.116		4579	2877
3.156		2274	1038
3.178		16027	10938
3.199		678	152
3.208		561	262
3.228		35046	22956
3.263		30799	18177
3.291		2483	1320
3.31		3805	1868
3.328		6404	3993
3.375		8072	4368
3.384		3660	1281
3.405		6306	2810
3.42		48217	40128
3.452		4652	2707
3.471		615	152
3.494		33658	22379
3.528		251500	156906
3.552		134592	76422
3.569		6812	2453
3.587		5470	3200
3.635		1491	1344
3.655		166542	106811
3.678		16133	8642
3.699		34884	22035
3.728		58119	30833
3.744		54024	28822
3.784		25093	19225
3.825		21078	20015
3.854		52872	31408
3.876		512911	359473
3.901		57304	31599
3.921		62681	33533
3.94		102049	63664

RT B	Compound B	Height B	Area B
3.975		484863	340424
4.006		189426	115381
4.024		127204	68395
4.084		40742	32918
4.119		194332	149845
4.148		4348	2707
4.176		379495	280519
4.209		109205	81311
4.236		647296	493808
4.274		51280	47062
4.327		328995	282184
4.365		47144	34960
4.396		375563	276213
4.42		58454	35703
4.463		259668	194555
4.488		9030	5141
4.561		231913	233734
4.615		265230	224682
4.653		76052	71893
4.693		434518	428367
4.738		35002	22406
4.762		14971	10428
4.822		4993	6167
4.861		1645	992
4.879		20853	15132
4.912		24091	16318
4.936		134739	110523
4.986		12778	9890
5.021		16524	12573
5.054		14077	12154
5.084		63280	45199
5.105		44473	28798
5.124		7045	3280
5.177		19249	17220
5.211		998	629
5.262		2966	2938
5.319		3735	6692
5.361		63206	64086
5.41		807	326
5.466		1837	2018
5.518		19887	22045
5.586		29806	28756
5.635		9649	8623
5.68		970	760
5.742		4155	2975
5.805		2872	4952
5.841		1828	2175
5.868		2104	2391
5.895		1201	533
5.913		2488	2202
5.941		18693	15611
5.984		3029	2852
6.019		2742	2446
6.057		4161	4073
6.098	DCB	1181663	1031203
6.161		21014	33507
6.199		1346	643
6.288		6154	34801
6.333		1423	2233
6.362		1842	1423
6.369		1485	541
6.415		1079	1657
6.454		1093	504
6.485		918	801
6.509		1914	1064
6.529		1178	716

RT B	Compound B	Height B	Area B
6.552		2212	1239
6.59		1447	1939
6.622		1529	2495
6.648		1053	622
6.67		1297	997
6.688		1415	780
6.699		1693	827
6.738		2312	3149
6.777		1914	2407
6.821		667	2295
6.851		1668	2081
6.87		1070	568
6.879		1706	679
6.91		1347	373
6.927		1194	169
6.953		1659	1222
6.994		1237	493

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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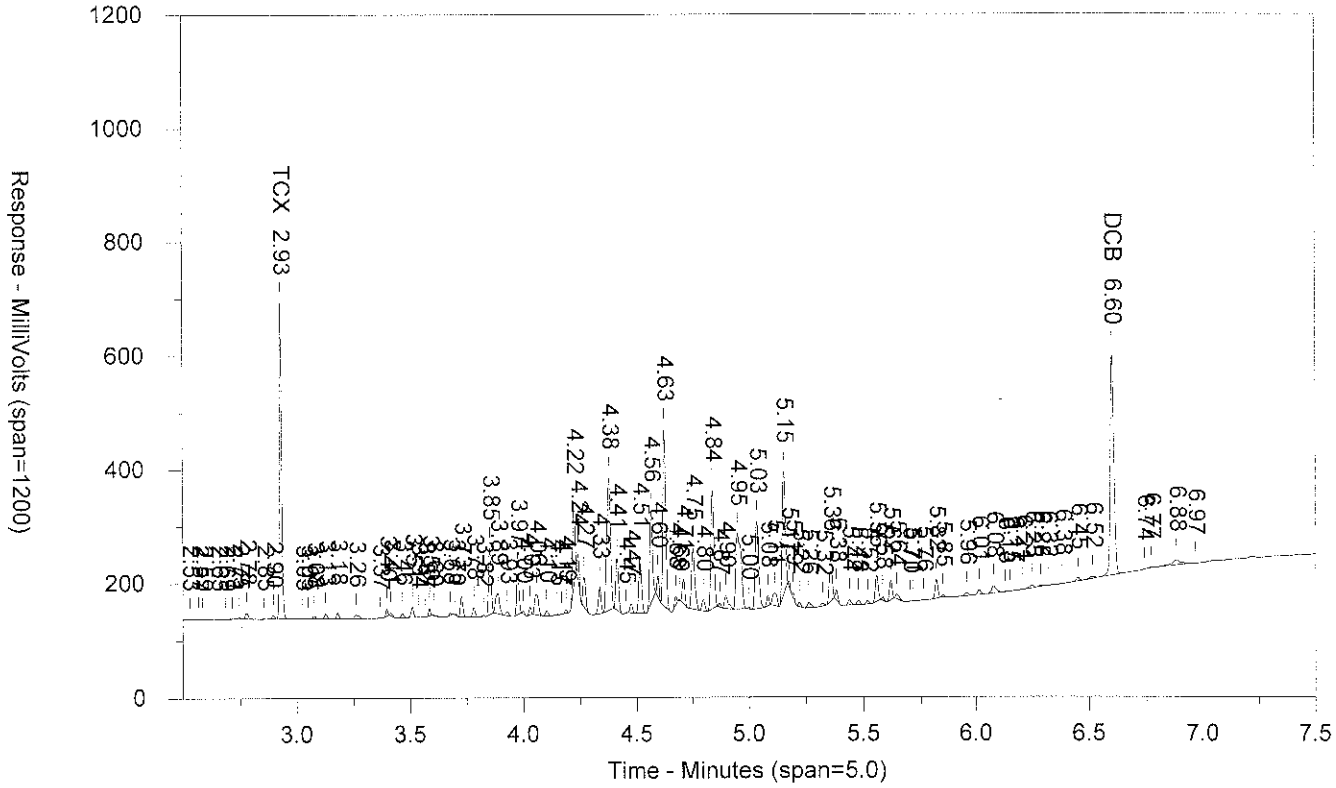

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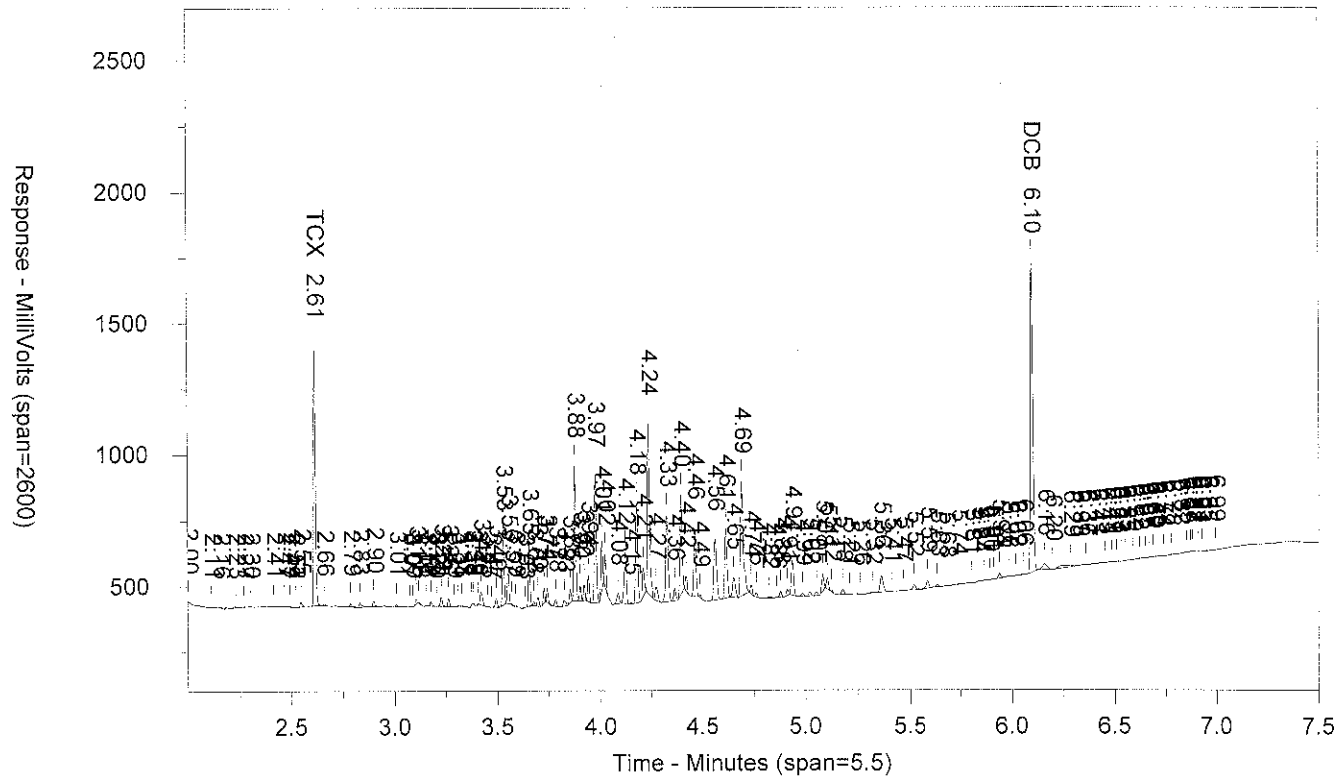

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 12:52:42 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
2.93	555203	3.68	TCX	2.614	984392	3.613	TCX
6.601	390738	4.054	DCB	6.098	1181663	3.903	DCB

Files:
Area File: 25PCBS17284001.020.RAW
Area File: 25PCBS17284001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:35:07 PM

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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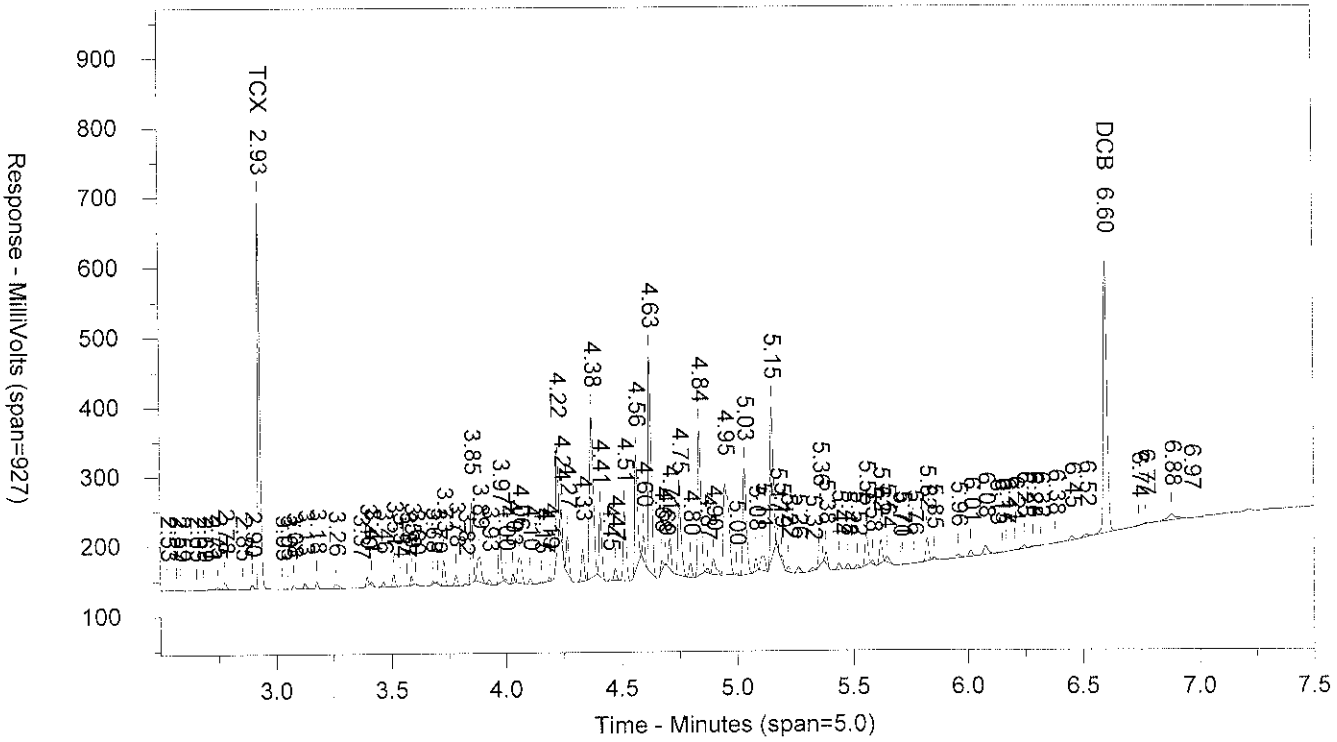

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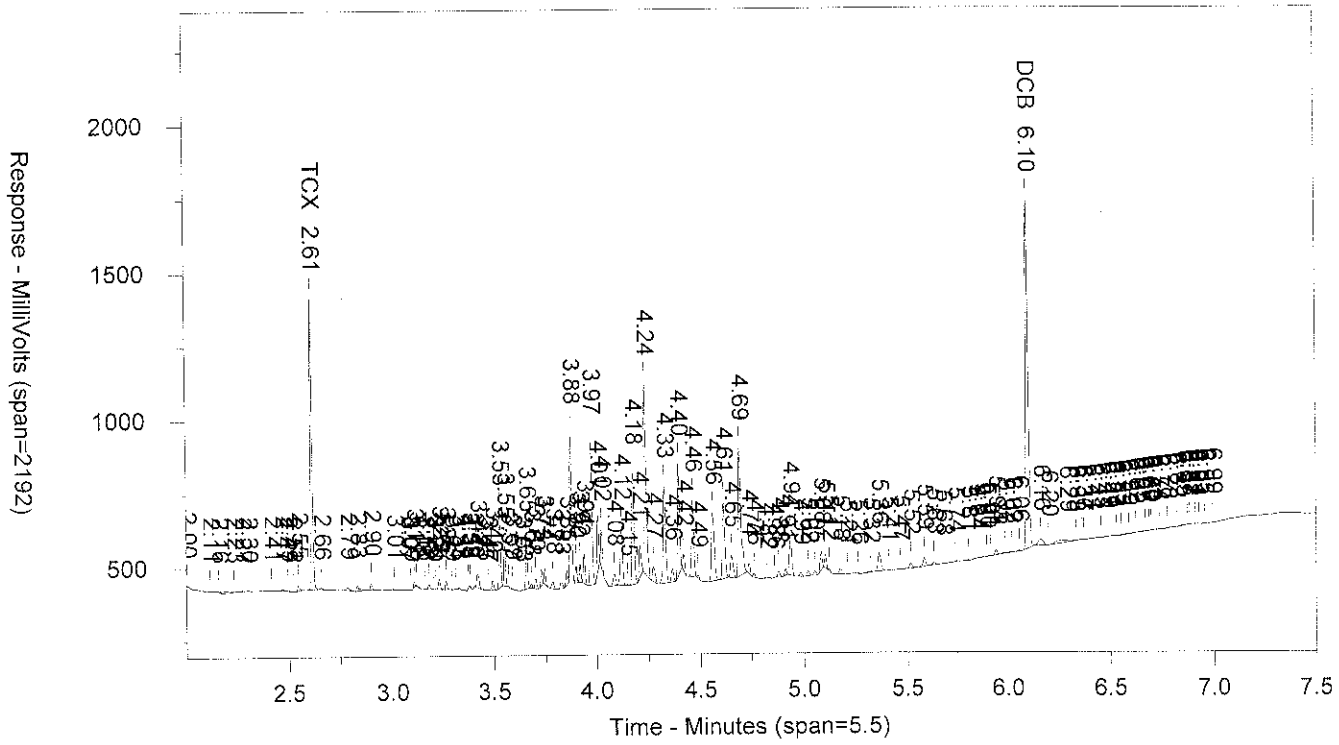

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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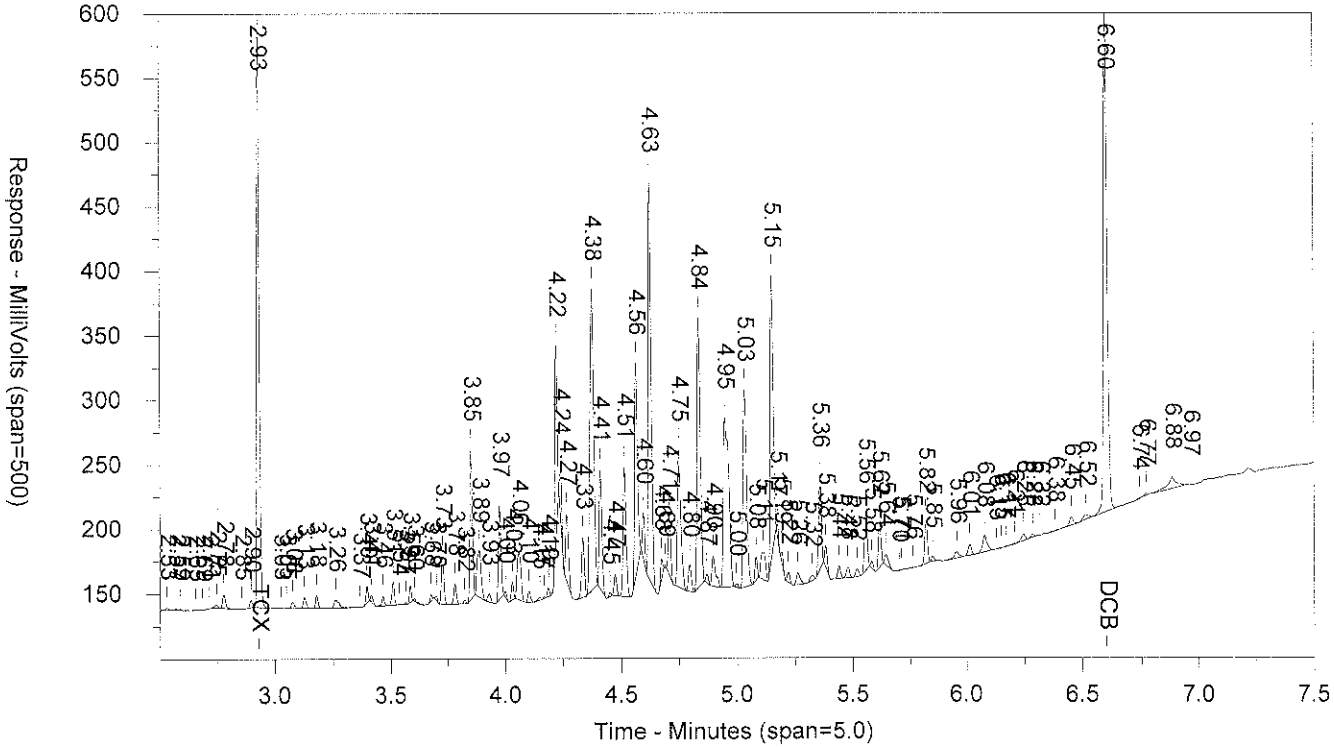

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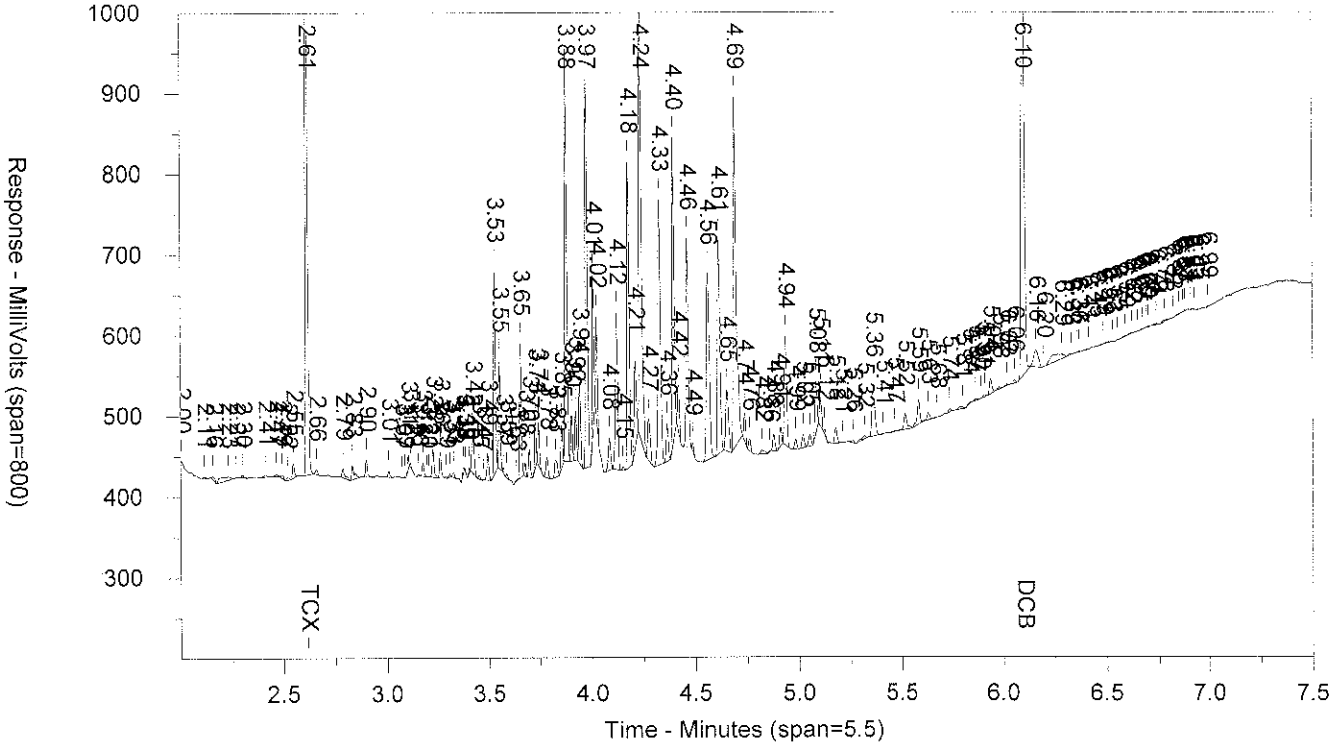

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 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: 25PCBS17284001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		10669	10327
2.09		23654	58318
2.231		5855	4528
2.33		10558	8739
2.367		670	833
2.434		742	660
2.49		7170	6993
2.529		1652	1653
2.569		2518	1674
2.588		825	437
2.657		506	353
2.744		2781	3482
2.777		24192	23382
2.896		5021	4384
2.93	TCX	1163410	812420
3.029		918	1037
3.077		9057	8183
3.126		16855	13909
3.179		18516	14493
3.259		3596	2266
3.273		3673	1906
3.345		373	308
3.366		432	277
3.396		24493	15000
3.415		9972	7215
3.466		14438	11338
3.51		33855	25031
3.539		554	200
3.566		2618	1595
3.586		26770	19674
3.619		1792	935
3.637		1212	564
3.678		7159	3874
3.699		8220	6257
3.728		71684	55303
3.782		28932	22084
3.824		5816	3994
3.852		213021	164098
3.887		69918	85805
3.928		7989	6716
3.975		137749	106692
3.999		8561	4668
4.031		25415	17405
4.061		74637	87453
4.104		16734	14107
4.15		4990	4607
4.169		876	322
4.188		13263	8533
4.224		277700	196232
4.241		90950	47532
4.267		98343	79193
4.335		87098	75590
4.377		436254	506376
4.412		173782	144233

RT A	Compound A	Height A	Area A
4.452		5434	3636
4.474		30762	23767
4.516		184223	172161
4.565		300372	267683
4.596		70944	46578
4.626		603427	539609
4.676		27280	19271
4.691		6622	2468
4.709		89158	68848
4.752		198907	206139
4.797		41215	35869
4.838		394941	396680
4.87		15559	10626
4.898		45580	53115
4.949		248350	397295
4.999		5599	4139
5.035		298380	323218
5.083		34210	26191
5.111		43476	59696
5.153		411468	376247
5.175		19869	9230
5.193		16911	9359
5.221		14169	11452
5.264		17504	20868
5.329		2919	3849
5.358		132117	118290
5.383		32875	23315
5.413		958	368
5.438		16888	15366
5.477		15663	15099
5.518		11493	11564
5.557		89422	81875
5.582		10941	7069
5.617		64512	55371
5.642		13481	11802
5.718		437	370
5.754		423	138
5.776		354	260
5.822		61562	58160
5.853		7640	8569
5.917		449	146
5.957		4238	5670
6.014		17659	17125
6.077		26917	36105
6.167		493	149
6.246		6497	8947
6.283		2578	3618
6.335		727	760
6.378		644	672
6.426		663	587
6.451		11626	12255
6.515		3397	5169
6.6	DCB	766132	820734
6.666		441	144
6.686		797	175
6.703		786	405
6.739		787	878
6.772		2269	3576
6.799		634	263
6.88		6381	11882
6.917		946	459

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 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: 25PCBS17284001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		4006	2401
2.158		4262	3581
2.187		3148	2030
2.231		2396	2569
2.302		6373	4978
2.412		3883	3924
2.469		3900	8306
2.52		5034	3844
2.548		50096	41910
2.615	TCX	2095972	1232164
2.659		11252	8513
2.714		2561	1925
2.786		21271	21438
2.833		32990	27072
2.899		39655	26703
2.947		4919	3378
2.993		1083	788
3.01		13291	8569
3.08		624	139
3.091		663	101
3.106		39090	19406
3.117		6836	3830
3.142		995	194
3.156		3912	2162
3.178		29490	17512
3.204		935	430
3.229		66085	44223
3.264		55354	34094
3.291		5834	2813
3.311		7121	3816
3.325		4186	2445
3.352		2925	1622
3.375		13703	7022
3.385		6697	2739
3.405		12487	6075
3.421		91707	80318
3.451		1068	443
3.47		418	118
3.495		63463	40921
3.528		477655	290176
3.552		246582	141305
3.569		12207	5151
3.587		9963	5879
3.63		1725	561
3.655		317425	199275
3.679		30920	16550
3.699		68989	42599
3.728		112944	60442
3.745		102579	56157
3.785		46725	37503
3.825		40052	37946
3.855		98586	58319
3.877		1008862	680438
3.902		110525	61108

RT B	Compound B	Height B	Area B
3.921		111133	61897
3.941		190281	114466
3.975		927601	642882
4.007		360708	220007
4.024		236583	125721
4.085		74704	56100
4.119		373485	281878
4.151		5617	2555
4.176		745120	536575
4.209		200904	153046
4.236		1281075	953961
4.274		99571	92688
4.328		625229	534019
4.364		91018	68363
4.397		718311	537125
4.42		106894	64949
4.463		489884	366283
4.488		22131	12188
4.562		446092	447720
4.615		555731	443329
4.654		142825	134119
4.693		825480	828725
4.739		69678	43154
4.762		29767	19187
4.823		9684	10683
4.86		3008	1566
4.88		41848	30421
4.912		48236	32252
4.936		275146	214226
4.986		28769	23726
5.021		29297	23318
5.054		27907	23373
5.084		123216	87878
5.105		88928	56793
5.124		15399	8035
5.177		40952	34706
5.297		1399	1145
5.319		5333	4640
5.362		120591	122617
5.408		1286	636
5.469		1724	1657
5.491		1208	641
5.518		37930	35427
5.568		2399	2322
5.586		54128	44998
5.636		18421	16382
5.685		1176	1741
5.718		1373	1230
5.743		9004	7290
5.777		870	370
5.796		2955	3570
5.873		2405	7736
5.908		1542	1168
5.941		32836	28024
5.986		2723	3864
6.019		1979	1445
6.055		4032	3377
6.098	DCB	2242583	2036045
6.16		19135	33424
6.209		934	584
6.254		4317	10359
6.279		2013	1013
6.327		1896	1734
6.352		928	479
6.44		1651	3093
6.452		1428	498

RT B	Compound B	Height B	Area B
6.471		1301	621
6.512		1019	1063
6.524		1270	530
6.559		1590	2113
6.597		1649	1700
6.614		1584	717
6.649		1379	506
6.691		1723	3231
6.714		1674	990
6.733		2542	1194
6.772		2419	1648
6.808		2204	2068
6.822		1867	573
6.853		1843	2846
6.894		1847	2841
6.908		1292	1516
6.938		1340	1264
6.987		883	327

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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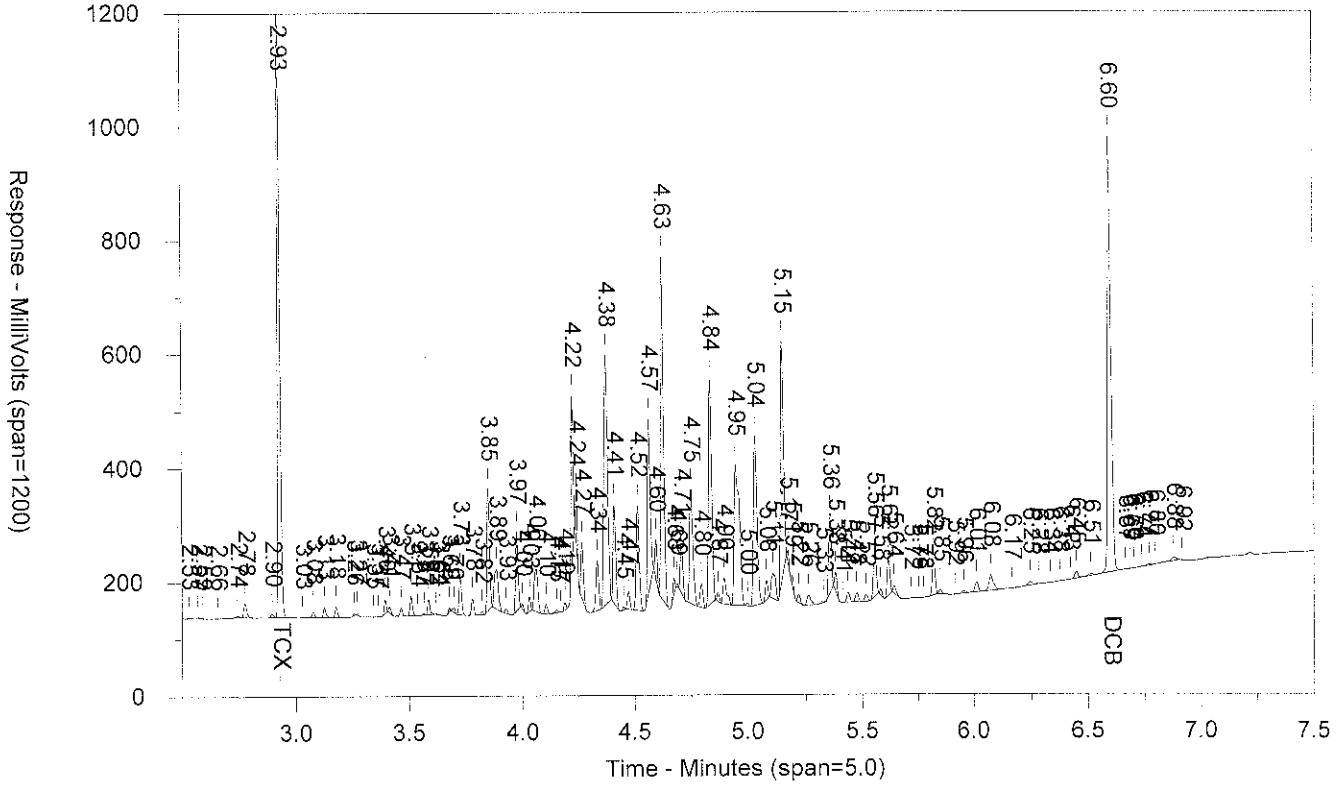

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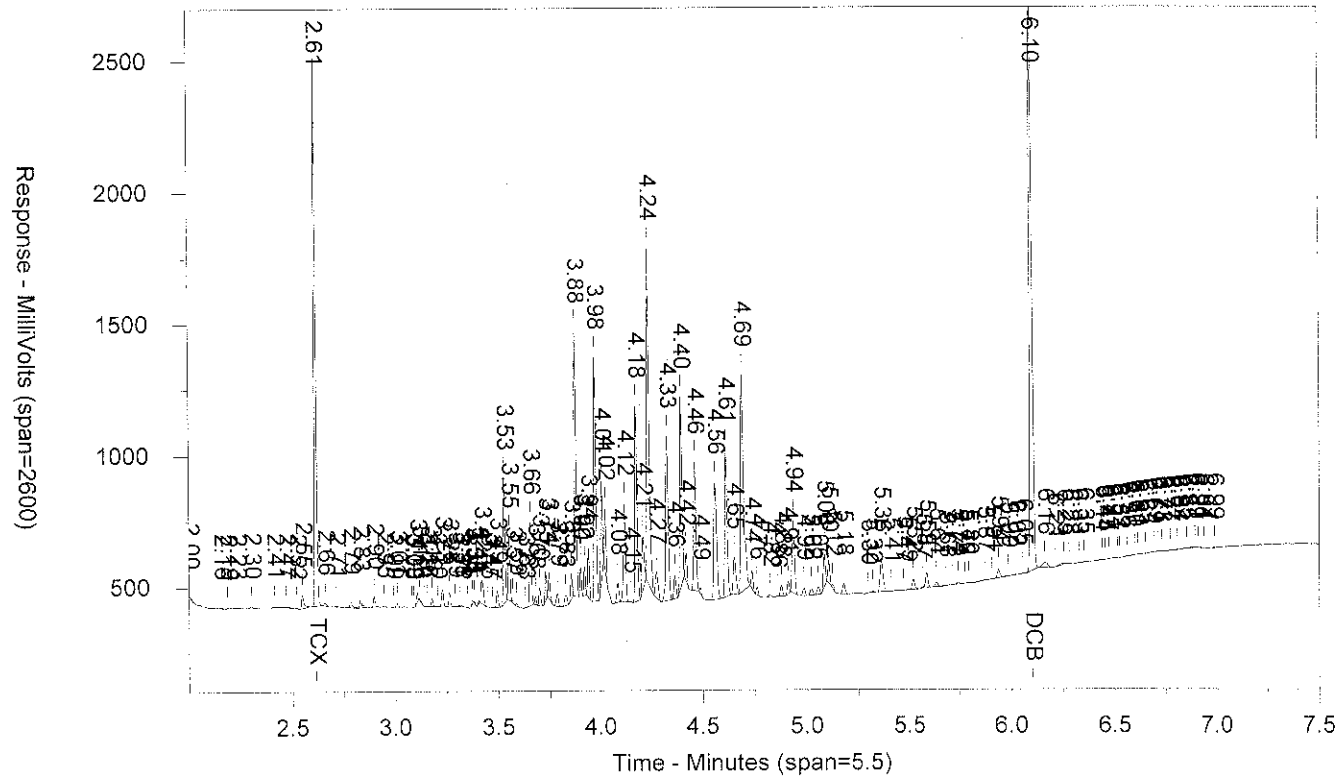

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:03:58 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
2.93	1163410	7.711	TCX	2.615	2095972	7.693	TCX
6.6	766132	7.948	DCB	6.098	2242583	7.408	DCB

Files:
Area File: 25PCBS17284001.021.RAW
Area File: 25PCBS17284001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:17 PM
File Reported On: 10/12/2017 at 3:35:25 PM

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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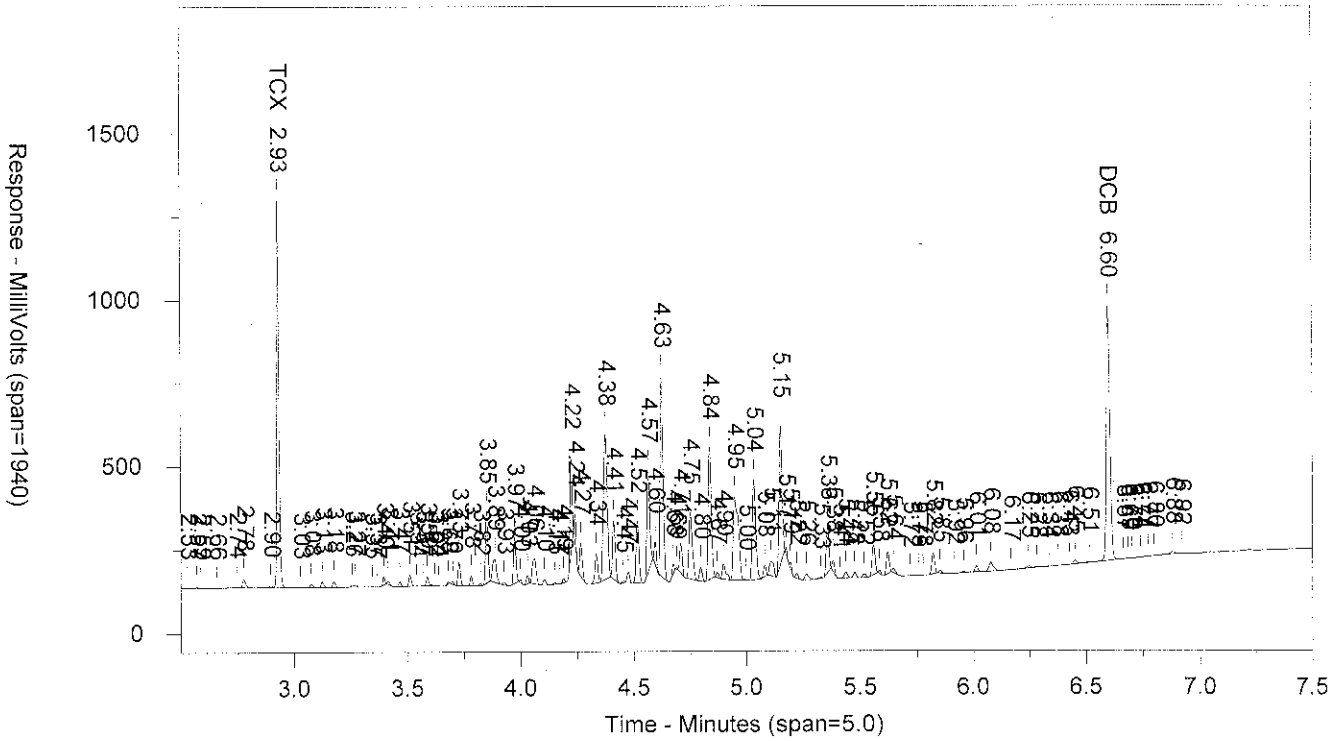

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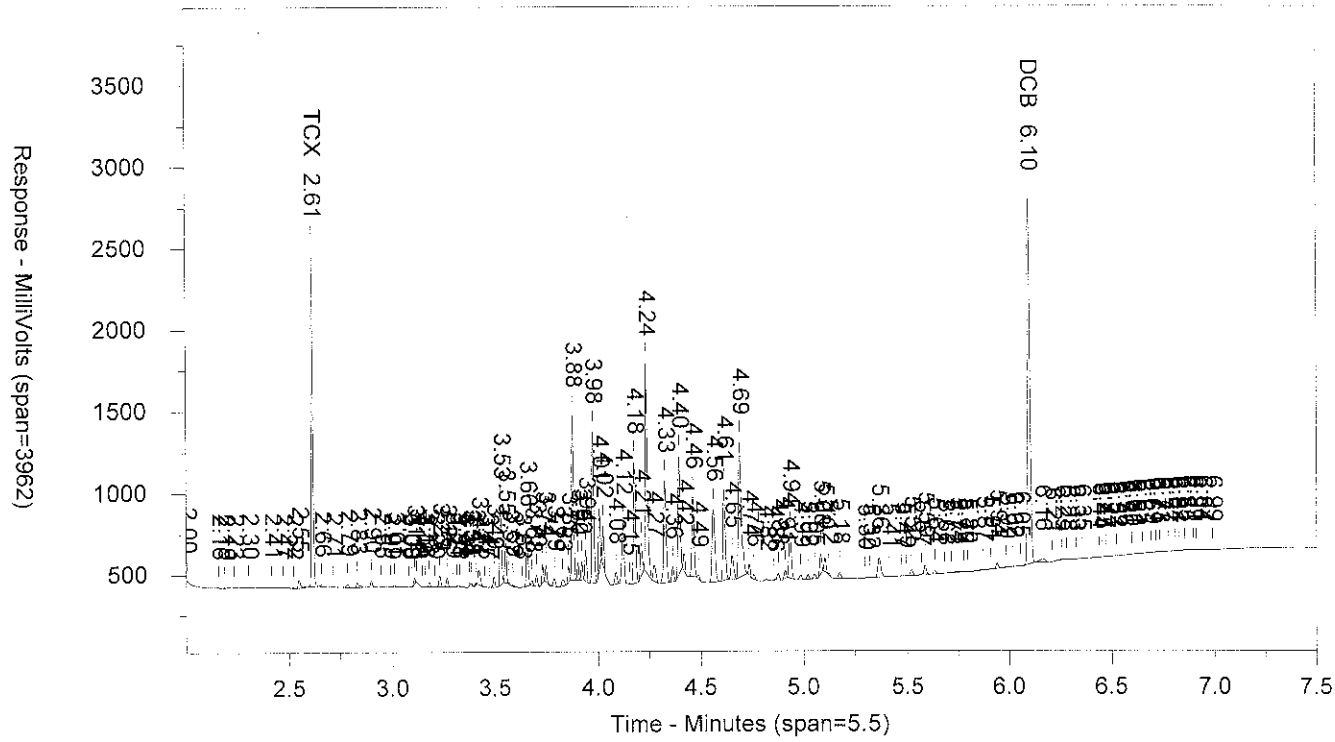

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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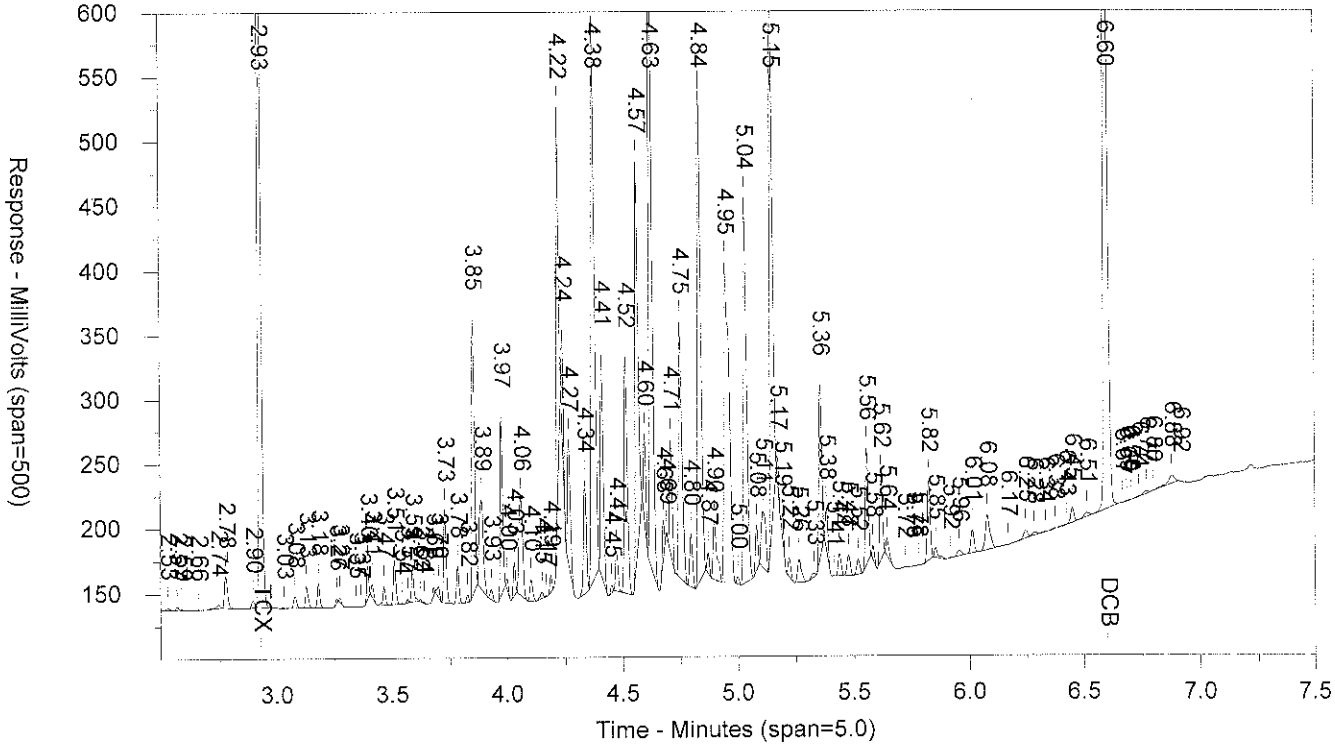

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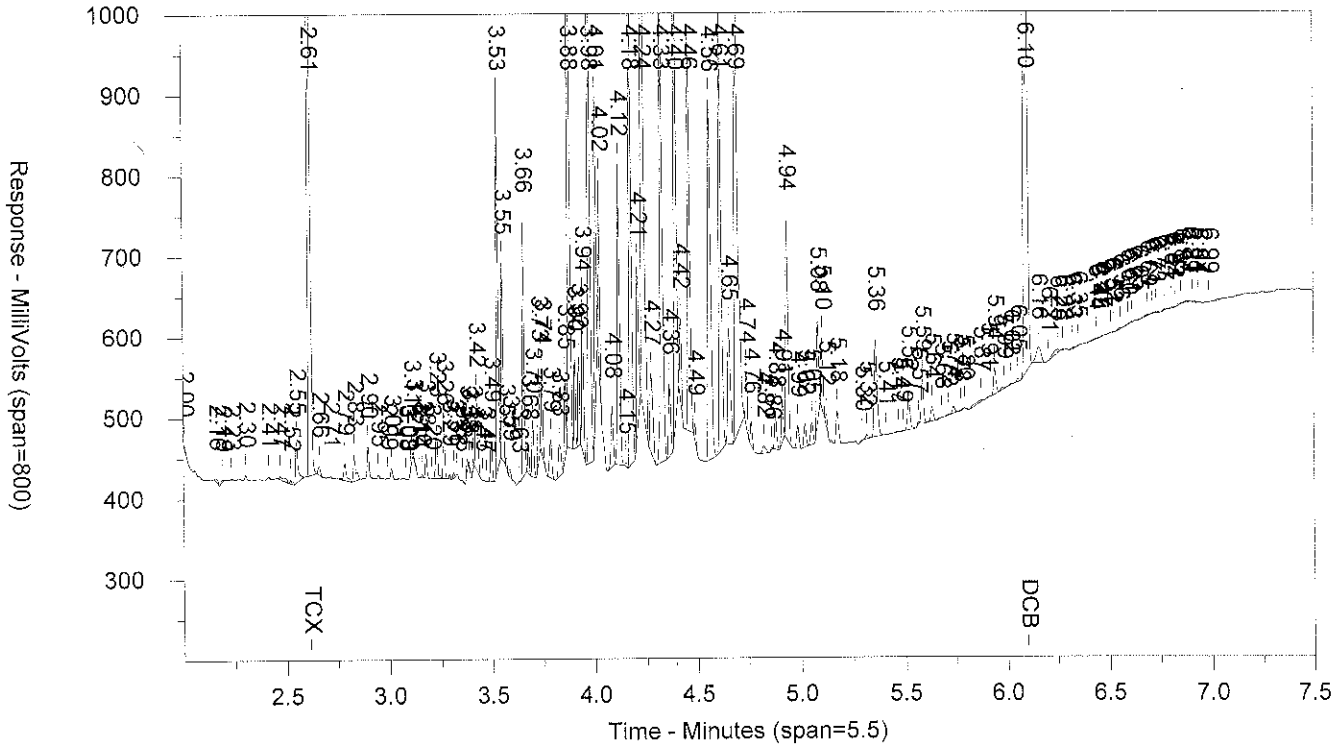

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 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: 25PCBS17284001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12141	11489
2.089		10449	23722
2.23		14011	11721
2.299		812	638
2.33		12649	12435
2.431		1363	961
2.489		8442	8400
2.529		1486	1585
2.569		6468	5257
2.647		569	636
2.745		2622	3935
2.777		12055	10952
2.852		799	766
2.895		6275	5151
2.93	TCX	2908326	1997845
3.027		829	353
3.076		21416	19211
3.126		38428	31594
3.178		44374	33174
3.258		6386	3548
3.274		10417	6311
3.367		414	279
3.396		58206	35429
3.414		22756	17123
3.45		1556	684
3.465		31453	20930
3.509		83260	60952
3.537		562	336
3.566		6749	4216
3.586		64503	44667
3.62		5805	3005
3.635		2735	1424
3.677		15332	8585
3.699		19282	14710
3.727		168576	132322
3.782		69253	52305
3.824		14542	9860
3.852		474180	370895
3.886		157037	200110
3.927		13794	11252
3.975		315375	242514
3.999		18689	10037
4.03		61938	42355
4.06		168674	208203
4.103		40740	33188
4.149		15091	13562
4.188		31003	20511
4.223		651550	466654
4.241		206563	114665
4.267		202758	170765
4.335		196572	173859
4.377		1021355	1172665
4.411		398751	324041
4.451		13366	8332

RT A	Compound A	Height A	Area A
4.474		74983	57531
4.515		430019	391790
4.565		734734	626691
4.596		155824	107393
4.626		1432645	1262315
4.675		66934	47516
4.69		11658	4203
4.709		193895	153568
4.751		436075	470976
4.797		98478	88551
4.837		1001875	930360
4.871		35705	25419
4.898		103775	123622
4.949		557921	891623
5		13618	9766
5.035		680271	769717
5.082		85768	66302
5.111		103655	142362
5.154		1030860	1082671
5.192		34869	20885
5.22		33976	27711
5.263		42944	49994
5.331		3545	4776
5.359		307093	264391
5.382		66728	48450
5.414		1748	923
5.439		41976	36683
5.478		39592	37477
5.518		28892	27279
5.557		206096	187350
5.582		25421	17839
5.618		146005	126278
5.643		30795	24566
5.721		1260	1939
5.747		350	212
5.768		462	251
5.822		141313	134734
5.852		20967	21102
5.956		6742	9493
6.014		44865	44294
6.077		67230	88694
6.151		521	465
6.174		478	200
6.247		13600	15726
6.287		2200	2945
6.351		890	479
6.363		697	285
6.387		716	507
6.451		30136	32365
6.514		5437	8585
6.6	DCB	1802212	1833602
6.663		509	230
6.703		438	358
6.718		523	282
6.732		520	336
6.766		3049	3427
6.818		623	507
6.852		772	502
6.881		6490	9183
6.955		620	143

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 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: 25PCBS17284001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		11796	9351
2.106		1381	1807
2.143		5579	11655
2.211		2464	9187
2.228		2213	2607
2.269		1677	1749
2.301		13013	10162
2.407		2922	4167
2.496		6654	9074
2.547		28766	35120
2.614	TCX	5074823	3038356
2.659		25130	18806
2.714		2287	1924
2.786		49707	39265
2.832		75491	62580
2.899		89687	57430
2.947		12294	7269
3.009		30508	20245
3.066		415	113
3.079		812	216
3.105		88667	44847
3.116		16002	9127
3.156		9528	5076
3.177		68407	41782
3.203		1698	725
3.228		147133	92480
3.263		131194	78988
3.291		14204	7020
3.311		17184	9128
3.326		9237	4628
3.375		35036	16115
3.385		20131	7309
3.405		32207	13898
3.42		206929	182617
3.494		144406	92524
3.528		1057633	655516
3.552		545133	317378
3.569		30030	12407
3.587		23863	13911
3.631		1513	1003
3.655		687735	452615
3.678		76394	38264
3.699		152858	100075
3.728		253113	137655
3.744		230594	121286
3.785		111947	88750
3.825		94074	88770
3.855		225941	133997
3.876		2379215	1553624
3.902		258226	142627
3.921		250489	137348
3.941		415555	252898
3.976		2226026	1506652
4.007		845704	511430

RT B	Compound B	Height B	Area B
4.024		557444	288243
4.085		167339	119268
4.119		857760	647287
4.151		12645	5773
4.176		1739273	1289669
4.209		480156	346131
4.236		3092961	2315299
4.274		216401	212157
4.327		1496082	1247894
4.364		212778	161865
4.396		1845659	1328704
4.42		260919	159204
4.438		3925	1288
4.462		1138851	847843
4.488		52744	29714
4.562		1038036	1046045
4.614		1358951	1093306
4.654		339612	314163
4.692		2049162	1921365
4.738		159396	100360
4.762		72831	46944
4.822		22539	25948
4.861		7572	4043
4.879		93251	72684
4.912		105509	72252
4.936		637292	498556
4.985		70943	61558
5.021		71197	53854
5.054		65484	55491
5.083		299001	218956
5.105		197379	133420
5.124		32675	15994
5.178		94482	81357
5.237		1093	555
5.295		3314	2464
5.32		12409	9807
5.361		279860	284196
5.413		672	308
5.463		1411	917
5.484		1047	344
5.518		91367	83599
5.566		6067	3933
5.586		127860	102784
5.636		42893	37365
5.678		1275	1206
5.742		20507	18313
5.796		3517	4584
5.842		1803	2929
5.869		1756	1767
5.912		3037	3145
5.94		81050	68080
5.975		1520	1060
5.991		1442	497
6.015		1297	658
6.029		1441	490
6.053		4112	3694
6.098	DCB	5270613	4716730
6.162		21549	33101
6.245		6362	11115
6.28		3163	3785
6.324		1591	1254
6.339		995	454
6.376		955	1037
6.431		988	1334
6.451		1334	408
6.485		1460	2026

RT B	Compound B	Height B	Area B
6.514		1155	1300
6.55		6443	5982
6.588		1211	1341
6.618		1863	1102
6.639		1411	848
6.674		1784	2054
6.715		1335	589
6.738		2105	2972
6.813		2193	5822
6.854		1457	3016
6.881		2231	3396
6.91		1508	607
6.97		2306	1976
6.982		1354	378

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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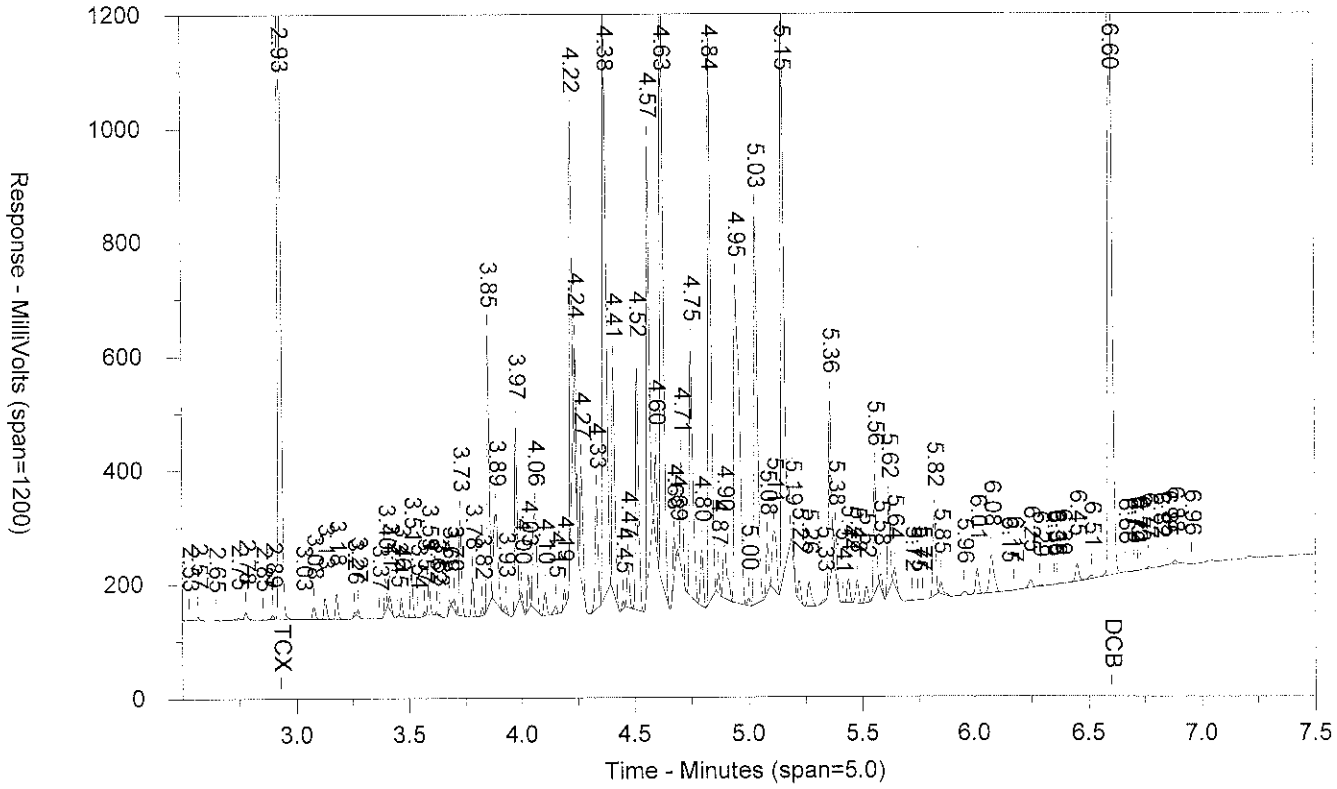

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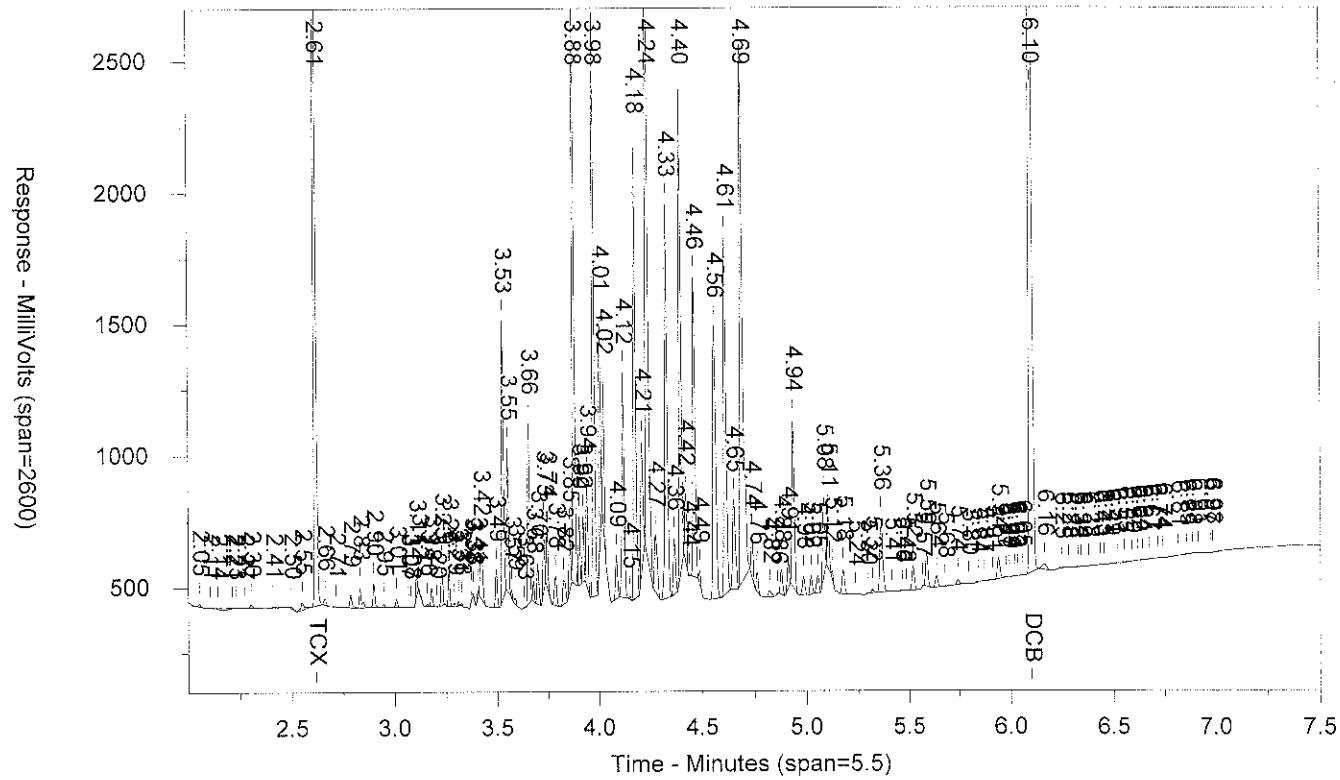

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:15:19 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
2.93	2908326	19.277	TCX	2.614	5074823	18.628	TCX
6.6	1802212	18.697	DCB	6.098	5270613	17.41	DCB

Files:
Area File: 25PCBS17284001.022.RAW
Area File: 25PCBS17284001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:35:47 PM

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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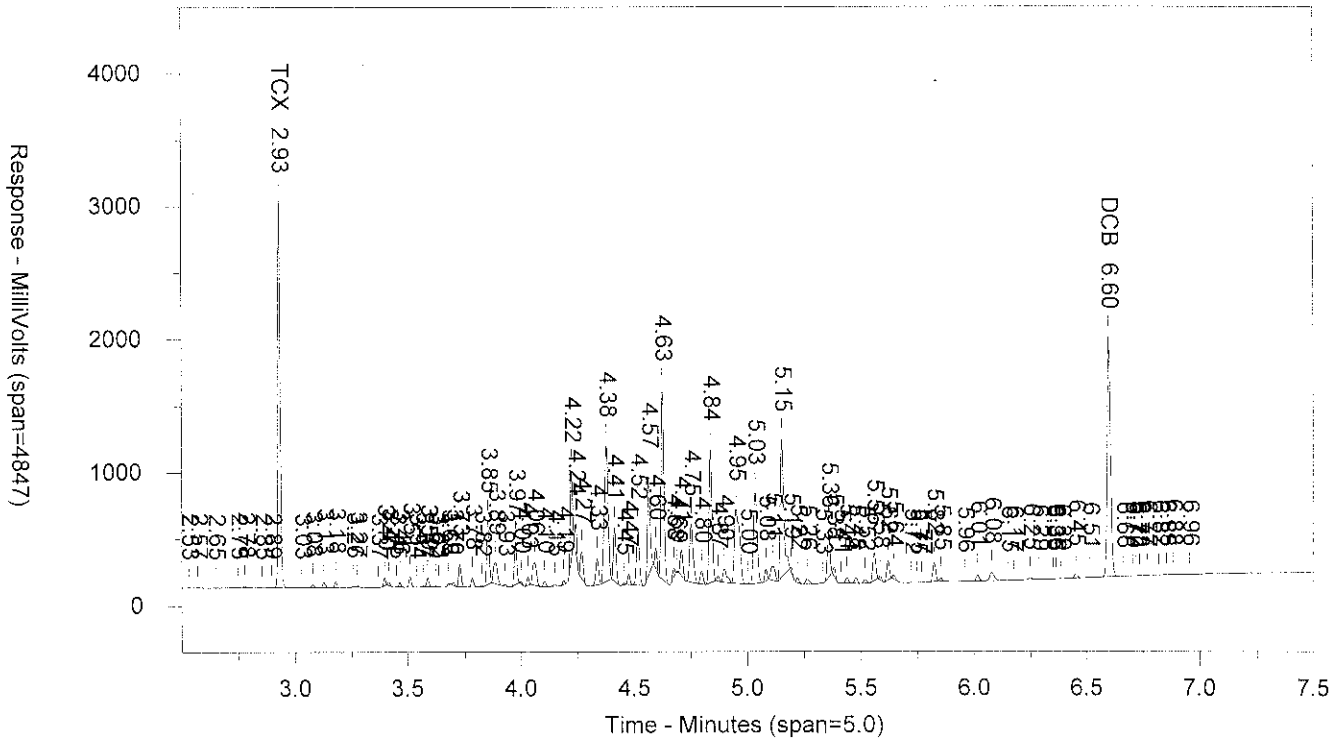

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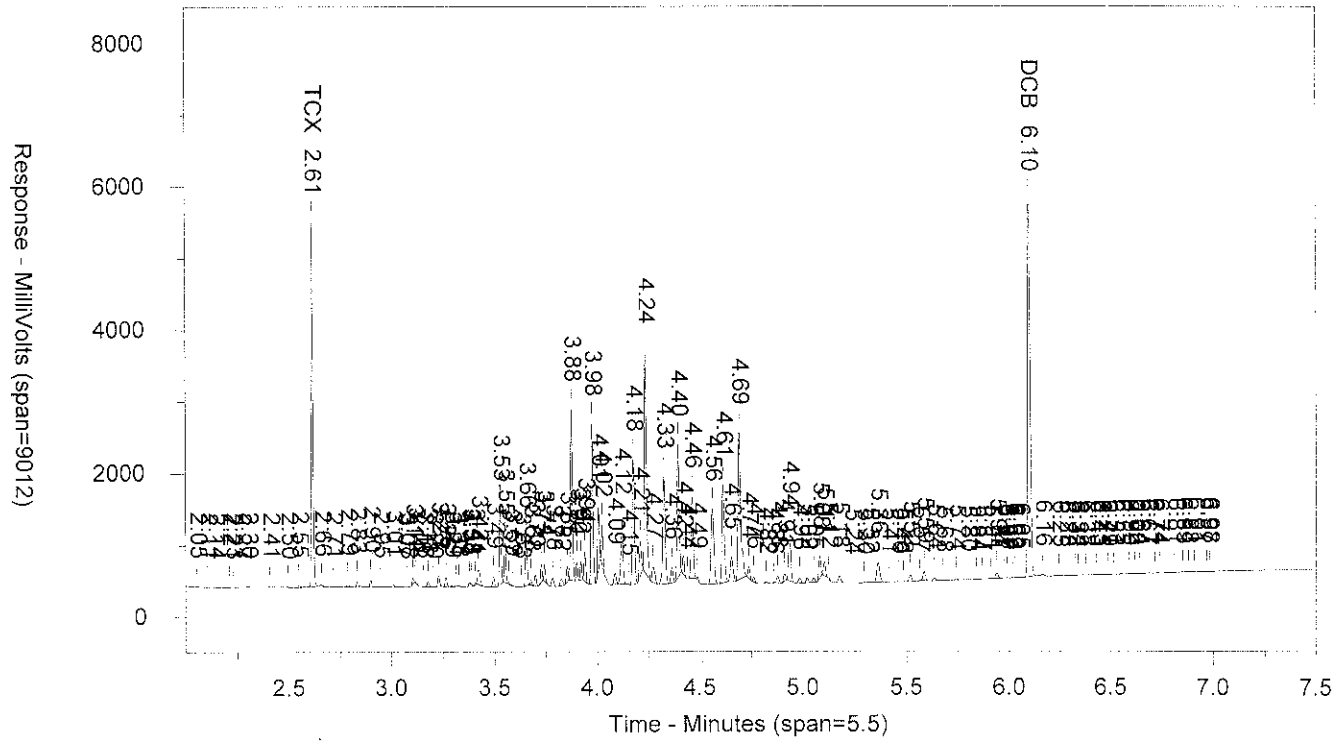

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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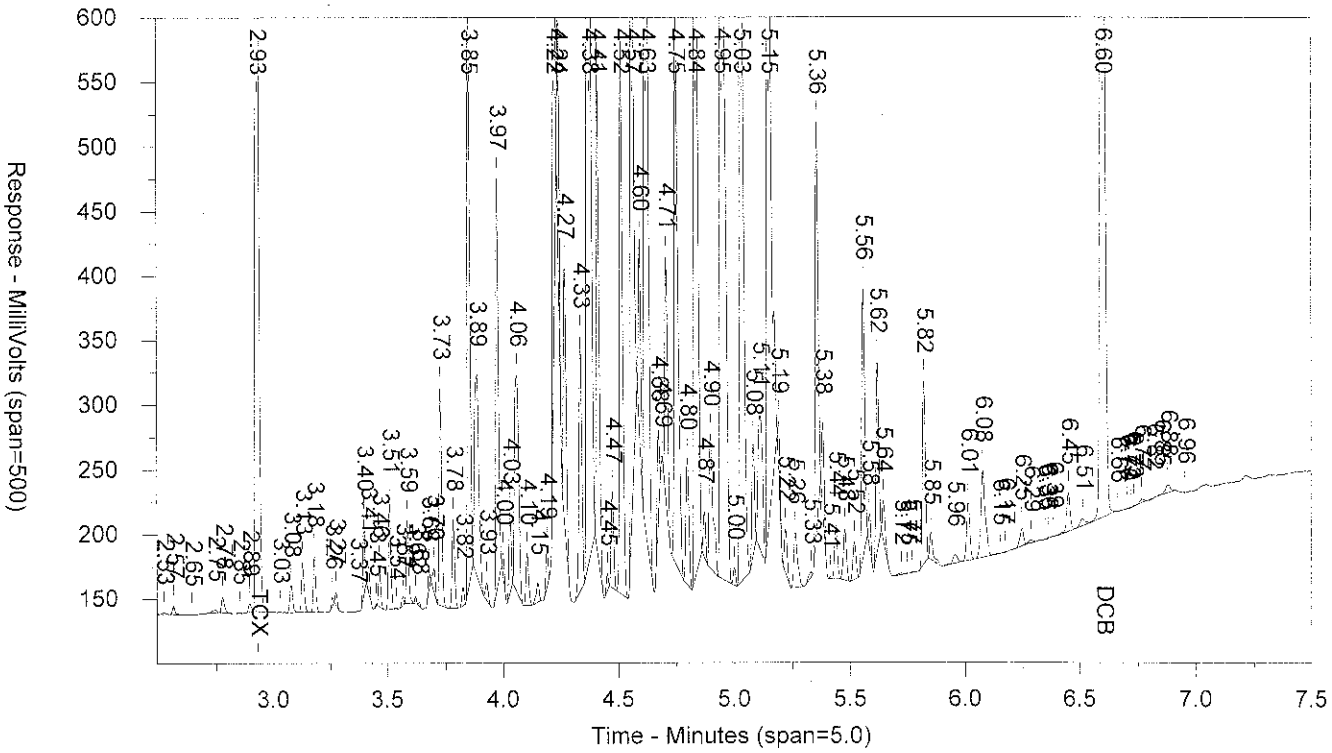

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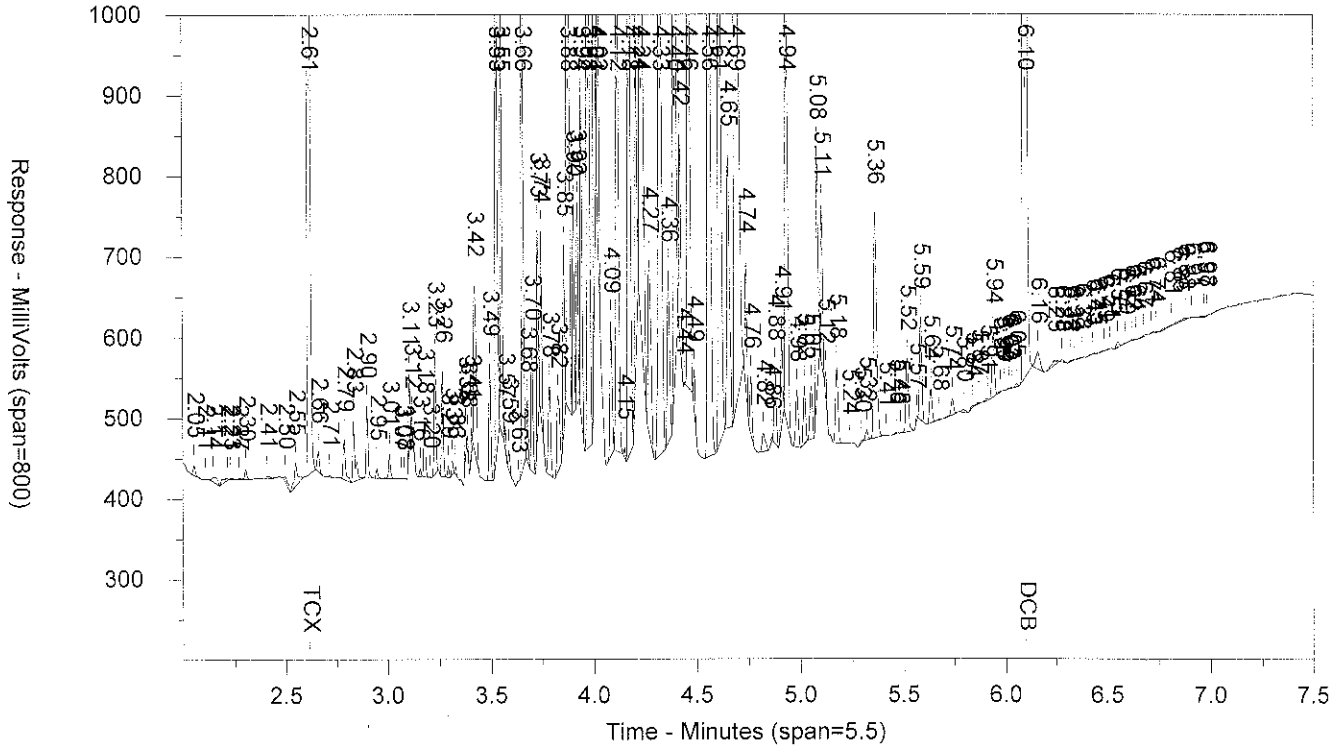

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 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: 25PCBS17284001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		14061	13706
2.088		15378	38539
2.23		28006	22129
2.301		668	614
2.336		15718	19905
2.431		2474	2067
2.49		9357	9335
2.531		1636	1519
2.569		11015	8806
2.679		470	230
2.709		596	345
2.746		2458	2725
2.777		17455	16372
2.844		979	945
2.895		6689	5324
2.93	TCX	6028539	4060843
3.027		1524	1000
3.048		611	319
3.077		40356	35868
3.126		75690	62055
3.179		86162	63161
3.257		10290	5683
3.274		20337	12529
3.315		717	481
3.372		212	198
3.396		107686	67277
3.413		43912	32959
3.45		2829	1381
3.465		61038	39799
3.509		153275	114599
3.565		13135	8162
3.586		121640	85425
3.62		13115	7081
3.635		5443	2430
3.678		26951	14831
3.69		3665	1210
3.698		23078	11714
3.726		312342	250912
3.781		128139	100159
3.824		26450	17971
3.851		919415	707523
3.886		292069	368785
3.926		19338	15160
3.974		607822	460490
3.998		36097	20515
4.03		115285	81743
4.058		330064	395340
4.103		79732	65392
4.15		29579	30477
4.188		63497	41604
4.223		1227426	867215
4.24		382680	207946
4.266		383667	312864
4.334		372014	326705

RT A	Compound A	Height A	Area A
4.377		2031800	2292434
4.411		734003	611934
4.451		25995	16373
4.473		137702	110184
4.515		809429	748516
4.565		1408853	1243611
4.595		316981	207555
4.625		2848828	2514456
4.675		123735	90823
4.69		22159	7814
4.708		367009	287592
4.751		871733	886428
4.796		184367	170085
4.837		1946355	1840045
4.871		72751	50725
4.897		190955	238766
4.949		1077772	1691081
5		28174	19890
5.034		1474181	1531785
5.082		155813	120951
5.113		191974	257182
5.154		1903509	1740631
5.174		68440	33152
5.192		63563	42993
5.22		66473	52528
5.263		84214	98686
5.333		3000	2369
5.358		568682	499774
5.381		128581	93032
5.413		3610	1749
5.438		80025	72243
5.477		78011	74644
5.517		57026	54479
5.556		379275	359692
5.582		49090	33288
5.618		267485	236361
5.642		55912	42092
5.719		2304	3664
5.779		831	1015
5.82		262475	251964
5.851		42880	42424
5.922		1090	926
5.957		5523	6730
6.014		79208	80738
6.076		117392	162627
6.144		316	339
6.201		457	631
6.246		21487	22794
6.288		2823	3509
6.318		668	324
6.345		516	150
6.359		608	271
6.377		1244	1093
6.423		607	550
6.45		51188	52904
6.512		4755	7603
6.599	DCB	3444204	3592300
6.666		936	800
6.688		503	594
6.739		637	896
6.768		2488	2871
6.835		690	911
6.878		7831	17597
6.981		1169	776

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 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: 25PCBS17284001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		21873	17086
2.147		8264	14657
2.186		5162	4081
2.208		1288	831
2.273		1806	1762
2.302		22102	16426
2.412		3325	3921
2.467		5699	21860
2.534		2846	1374
2.547		35303	30360
2.614	TCX	10606670	6187181
2.659		42787	32577
2.786		92290	68630
2.832		138185	110326
2.899		161887	105058
2.947		22713	13687
3.01		54666	34360
3.08		560	86
3.105		160780	82617
3.116		30560	19373
3.156		16215	9091
3.178		123001	76782
3.202		2786	1501
3.228		274790	168019
3.243		5107	1684
3.263		241585	146722
3.291		27760	14661
3.31		33583	18375
3.325		13921	6557
3.352		3202	1741
3.375		61910	28675
3.384		37118	14528
3.405		56477	25821
3.42		385118	340806
3.494		267724	171954
3.528		2042321	1252118
3.551		1049398	595369
3.569		53170	22000
3.587		47899	28187
3.634		1271	1363
3.655		1374396	861797
3.678		134081	71634
3.699		296793	184013
3.728		474312	257876
3.744		444153	235679
3.784		207296	166954
3.825		169040	166236
3.854		436998	260418
3.876		4804821	3103630
3.901		518753	278935
3.921		494319	268453
3.94		849192	493031
3.975		4429428	2988188
4.007		1673547	1010892

RT B	Compound B	Height B	Area B
4.024		1082274	559697
4.085		316420	223294
4.118		1634443	1256708
4.15		20101	9800
4.175		3556432	2597975
4.209		939879	688514
4.235		6433314	4683692
4.274		432512	405402
4.327		3002234	2467948
4.364		415429	315021
4.395		4104816	2764889
4.42		527529	316366
4.437		12324	3842
4.463		2288354	1667471
4.488		108292	64674
4.561		2078697	2052161
4.614		2847807	2250699
4.653		637929	605090
4.692		4070225	3872039
4.738		311835	197143
4.762		132853	89245
4.821		47822	52764
4.861		10917	6381
4.878		180256	139522
4.911		211792	140756
4.935		1240641	985103
4.985		144204	127580
5.02		129003	102151
5.053		125630	104661
5.083		630336	444382
5.104		420311	269274
5.123		57799	32652
5.145		9465	5562
5.178		180611	155875
5.219		1249	755
5.242		3730	6798
5.297		2610	2268
5.319		23902	18751
5.361		555740	557885
5.464		2831	2106
5.481		1551	515
5.518		160670	141826
5.565		15744	9517
5.585		229911	183539
5.635		85009	71162
5.683		1767	1682
5.742		36736	31825
5.775		1169	538
5.795		1241	722
5.837		2671	2265
5.871		2211	2663
5.908		2159	2875
5.94		139098	115745
5.972		2555	1141
5.99		1221	874
6.036		601	1492
6.055		4906	3780
6.097	DCB	11297440	9303154
6.159		18257	28442
6.248		4999	9812
6.28		3272	3935
6.322		1387	795
6.362		1281	1807
6.4		903	493
6.447		1641	3581
6.489		1391	1945

RT B	Compound B	Height B	Area B
6.511		2191	2221
6.548		12237	10442
6.589		865	346
6.64		966	3756
6.674		2204	1879
6.723		3444	6706
6.771		1795	1083
6.821		1322	264
6.845		2208	1978
6.876		2230	1633
6.913		913	700
6.963		1970	2185
6.986		1383	341

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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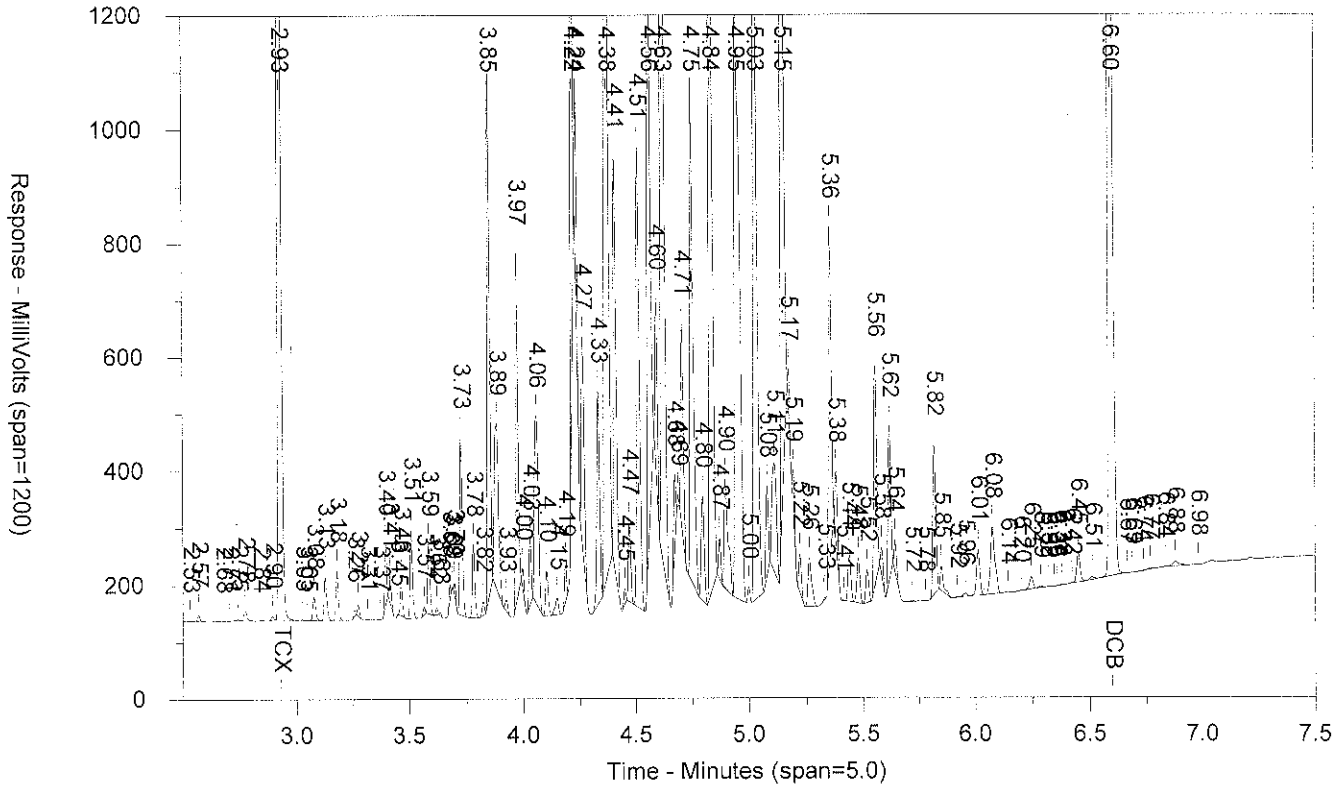

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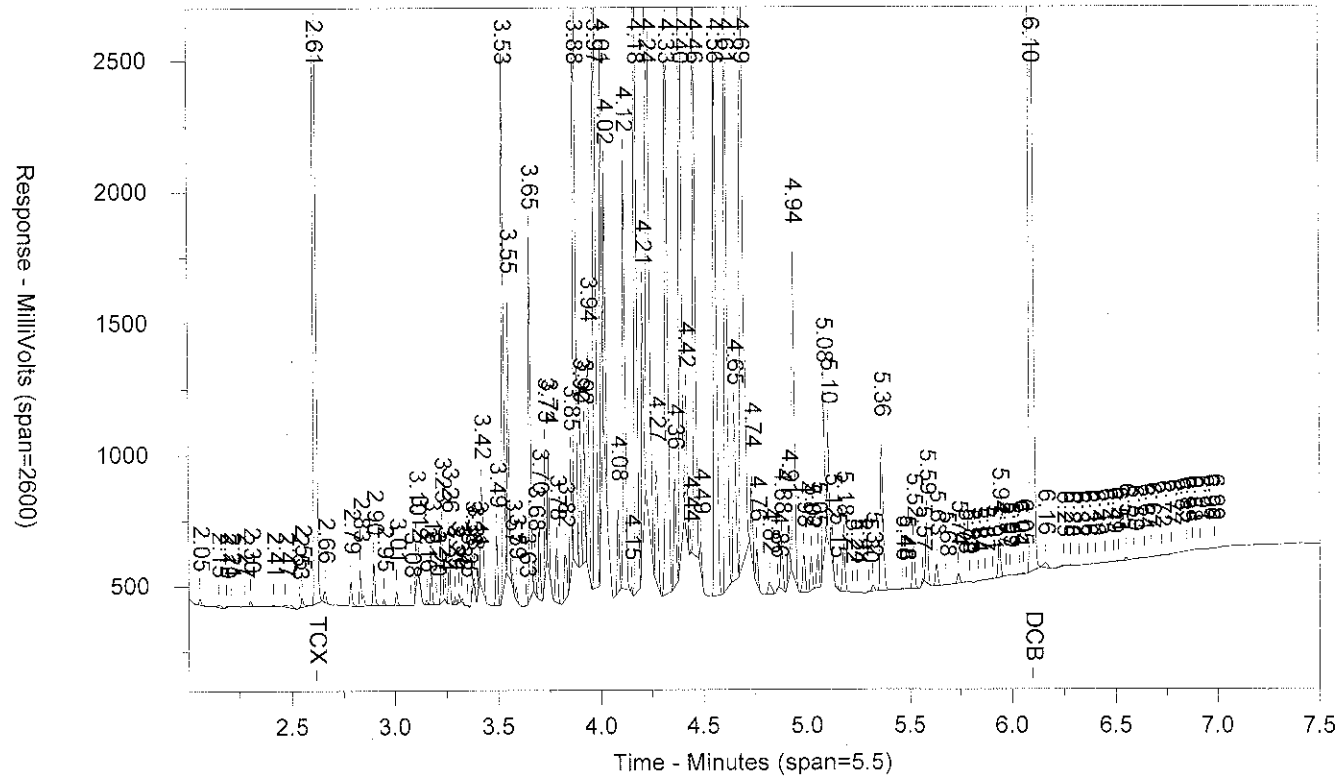

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:26:36 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
2.93	6028539	39.958	TCX	2.614	10606670	38.933	TCX
6.599	3444204	35.731	DCB	6.097	11297440	37.318	DCB

Files:
Area File: 25PCBS17284001.023.RAW
Area File: 25PCBS17284001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:36:05 PM

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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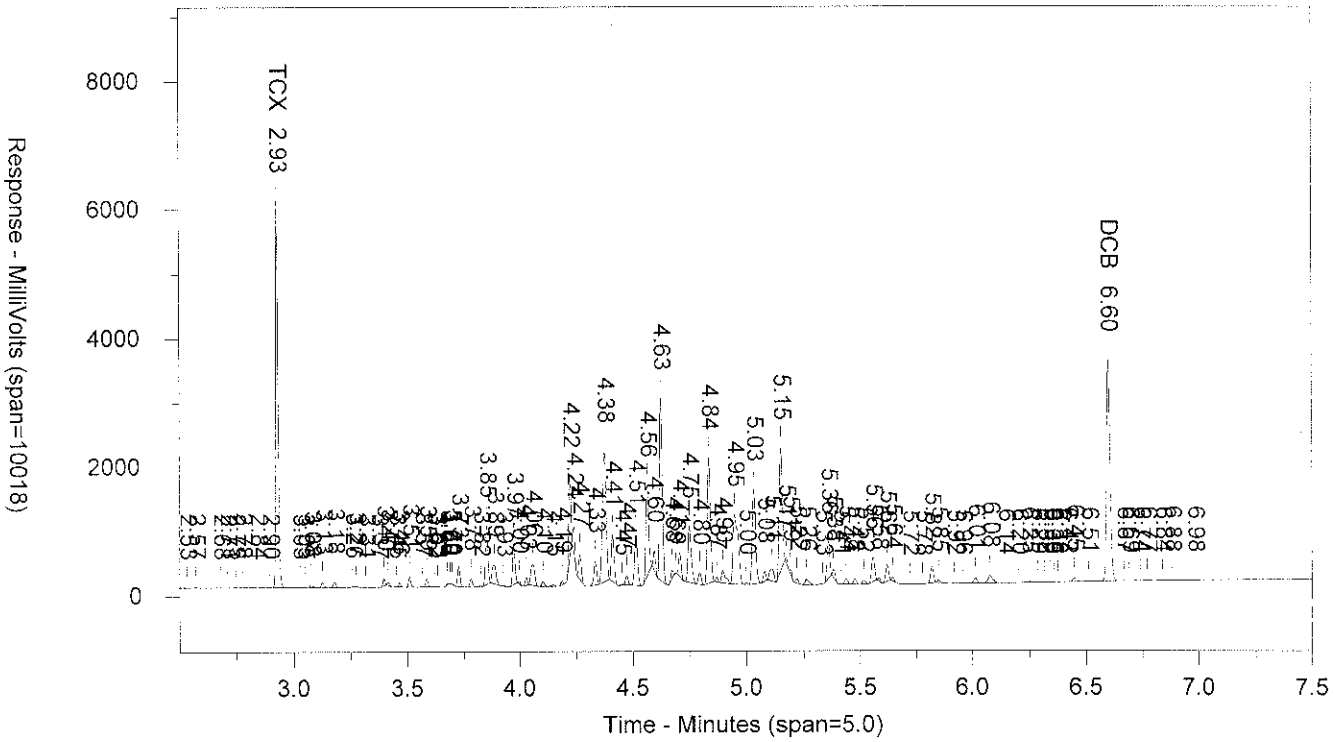

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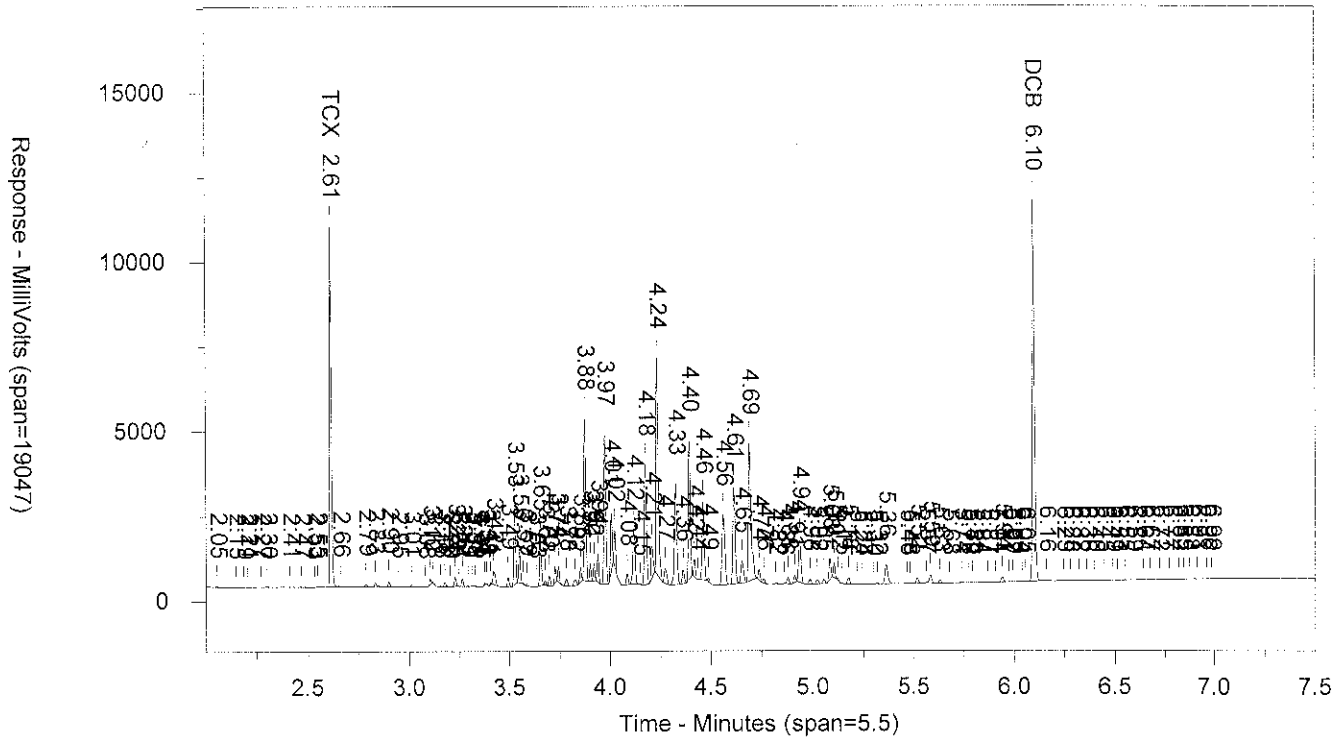

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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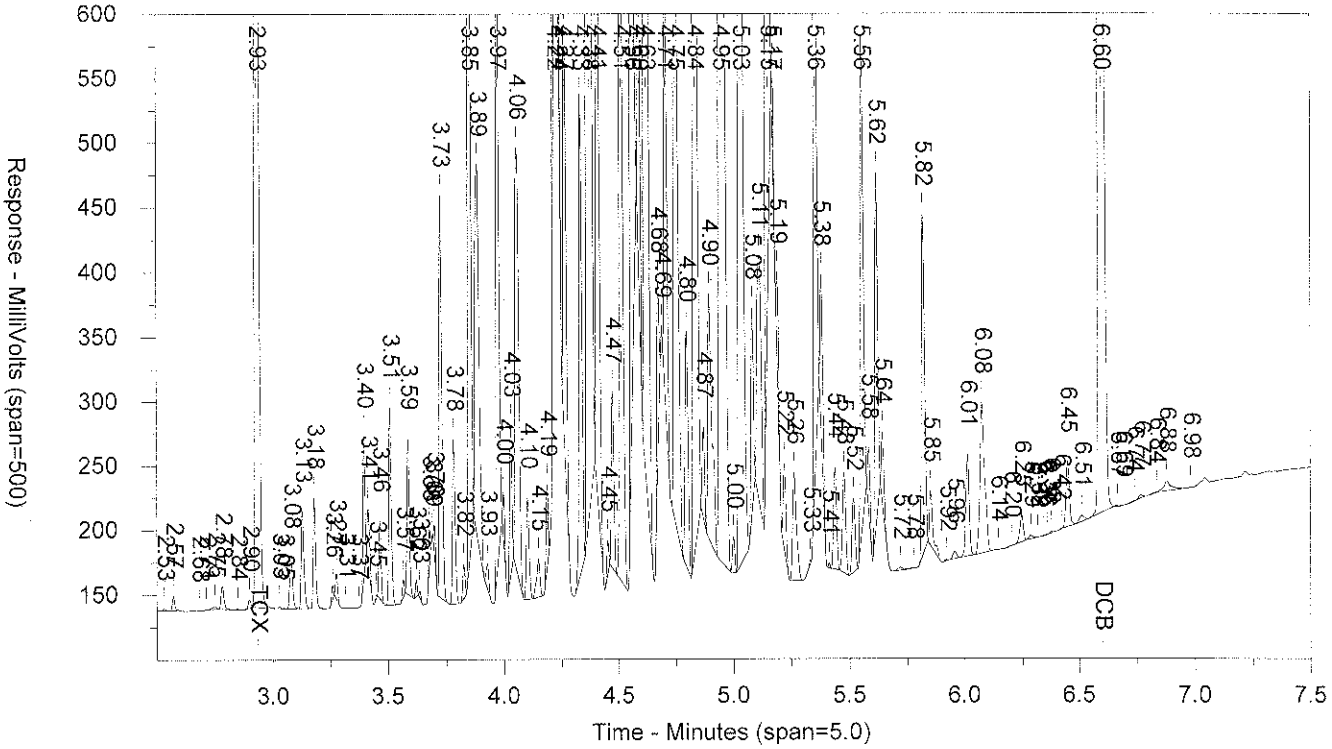

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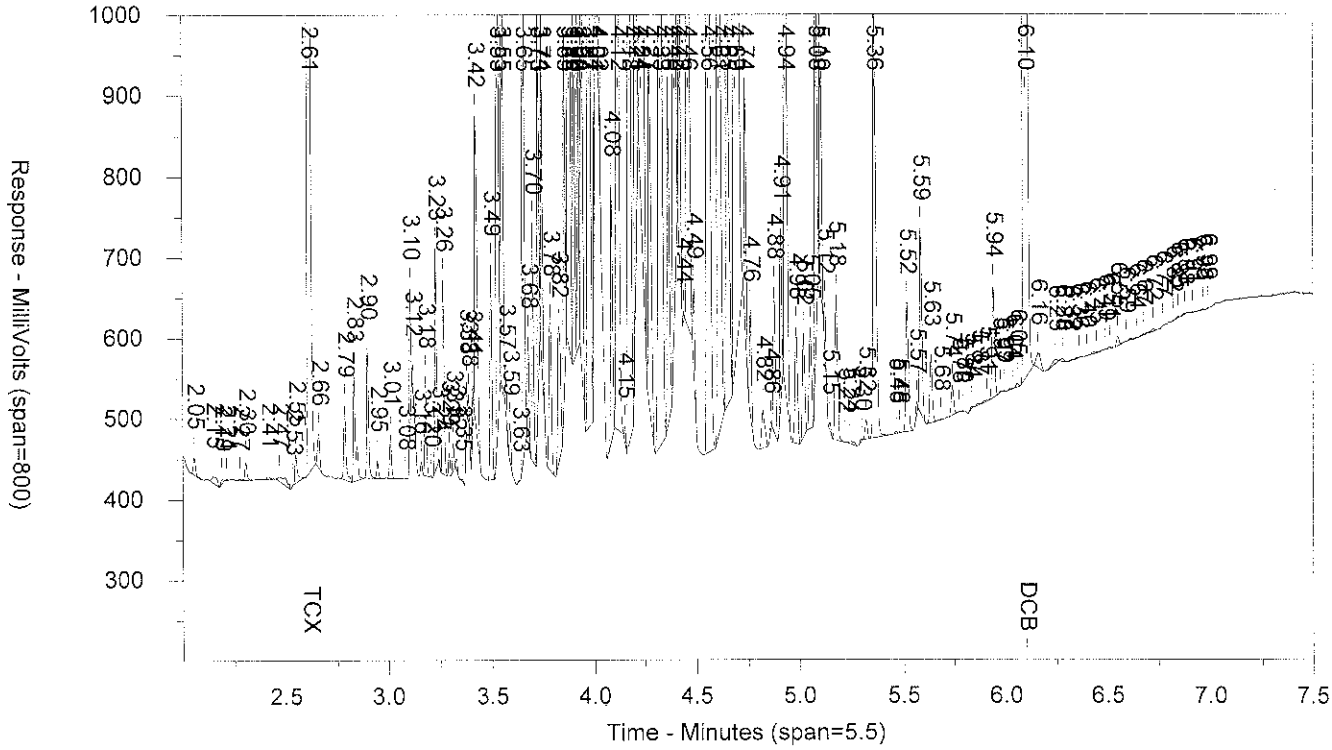

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 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: 25PCBS17284001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		10244	9589
2.088		34792	82885
2.23		53256	41675
2.338		25873	28665
2.431		4713	3799
2.49		6989	7079
2.531		1473	1291
2.569		19000	15261
2.659		562	551
2.708		459	217
2.747		2369	2757
2.778		31587	32622
2.844		1426	1353
2.895		4290	3269
2.93	TCX	11836510	8162060
3.028		2858	1769
3.077		73616	65628
3.127		148681	120206
3.18		156391	118035
3.257		17151	9493
3.274		37411	23020
3.315		1649	1635
3.363		474	323
3.396		191783	118101
3.414		82553	62970
3.45		4735	2112
3.465		109696	72469
3.51		266774	207575
3.566		23547	14687
3.586		213045	152570
3.62		25390	14855
3.635		9853	5232
3.678		52488	28979
3.69		5575	2658
3.699		35918	18143
3.727		588095	472607
3.782		232030	183708
3.824		50965	35151
3.852		1831602	1374214
3.887		551184	682693
3.926		30982	22223
3.974		1168480	892674
3.998		68929	39510
4.03		214546	148865
4.061		608609	748008
4.103		150948	126692
4.149		62243	61075
4.188		107838	75301
4.223		2592958	1782664
4.24		826722	438162
4.266		698858	596636
4.335		726552	622651
4.377		4135813	4572951
4.411		1478328	1187486

RT A	Compound A	Height A	Area A
4.451		51350	32109
4.473		264142	204924
4.514		1556493	1450610
4.565		2765197	2485062
4.595		599071	397914
4.626		5663342	5089828
4.676		215995	162990
4.69		40628	14649
4.709		736099	571520
4.751		1692597	1729929
4.796		353988	322004
4.837		3835777	3686513
4.87		131486	92960
4.897		345064	441768
4.949		2139316	3281507
5		51198	39156
5.034		2935827	3084307
5.082		287463	222435
5.111		335343	478271
5.152		3948457	3503635
5.174		164446	82743
5.192		118755	71463
5.22		119153	96335
5.263		154259	192098
5.358		1145706	983727
5.382		245608	175340
5.413		7031	3636
5.438		146828	135588
5.476		143259	142142
5.517		111329	106935
5.556		766195	701110
5.582		97283	64802
5.617		525178	446761
5.641		98051	73653
5.715		3928	6260
5.777		989	937
5.821		487001	467823
5.851		74592	76018
5.921		2418	2740
5.956		3644	4616
6.013		152366	161946
6.078		226999	317974
6.17		652	407
6.193		532	273
6.246		35047	35655
6.291		3043	3709
6.357		444	142
6.378		2023	2178
6.422		1005	893
6.45		97430	103205
6.522		2324	5104
6.6	DCB	6870984	6898922
6.684		755	339
6.732		909	763
6.776		840	1262
6.816		556	164
6.854		753	717
6.881		5481	6123
6.974		499	431

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 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: 25PCBS17284001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1561	1934
2.055		43281	32968
2.145		12018	15970
2.187		5927	8685
2.303		36561	27127
2.412		3802	5039
2.467		6494	32683
2.533		4934	2731
2.548		69578	66273
2.615	TCX	21526280	12521460
2.659		70958	53738
2.786		158582	116345
2.833		256484	197693
2.899		286893	188027
2.948		44255	25667
3.01		94371	60263
3.061		757	468
3.083		987	165
3.089		632	130
3.105		288673	147646
3.116		61870	35901
3.157		30413	16440
3.178		214914	132672
3.202		5721	2669
3.228		485518	337576
3.264		432318	257177
3.291		50618	26447
3.31		62930	34686
3.325		25049	11747
3.345		1010	219
3.375		108089	54279
3.385		72792	25288
3.405		114982	48959
3.42		713516	629770
3.494		486022	310722
3.528		4107528	2440819
3.551		2040814	1124316
3.569		103821	41258
3.587		83232	49291
3.63		1584	807
3.655		2703295	1667685
3.678		254712	135197
3.699		568766	345461
3.728		890422	492847
3.744		873471	465841
3.784		386779	314988
3.825		323104	309174
3.854		846898	500538
3.876		9656006	6324236
3.901		1040819	558891
3.92		947434	522512
3.94		1623342	962806
3.975		8815867	5934624
4.006		3367293	2062881

RT B	Compound B	Height B	Area B
4.024		2141456	1089807
4.084		588072	417318
4.118		3333705	2484296
4.15		39927	17658
4.175		7220037	5240297
4.208		2002422	1429980
4.235		13627950	9515225
4.273		825310	790340
4.326		5963579	4915438
4.363		841009	614300
4.395		8208709	5715048
4.419		1028403	617351
4.437		21121	6972
4.462		4735618	3346088
4.487		231487	132077
4.56		4105064	4105357
4.613		5924366	4656300
4.653		1268948	1192711
4.691		8528609	7943214
4.738		632651	405728
4.761		257855	174225
4.821		94558	101575
4.86		22448	12098
4.878		366629	270325
4.911		402008	273365
4.935		2563575	1980068
4.984		288190	256983
5.02		255314	196981
5.053		242467	201627
5.083		1286402	919625
5.104		846183	536184
5.122		128257	64836
5.145		20144	11511
5.177		368494	314602
5.242		4851	6768
5.295		5040	3508
5.318		46909	37464
5.361		1114171	1077215
5.434		664	532
5.459		4174	3057
5.484		1775	1063
5.517		328204	281078
5.565		29634	20175
5.585		470392	376753
5.635		164358	137781
5.682		1810	1626
5.741		72946	62095
5.772		3984	2270
5.801		1984	1335
5.873		1989	9056
5.894		3344	2054
5.909		1155	562
5.94		261899	230855
5.972		5314	3497
5.994		2867	1505
6.029		984	1505
6.055		4067	4008
6.098	DCB	21329200	17957530
6.162		16912	24826
6.247		6715	10298
6.278		5688	6753
6.326		1090	1192
6.351		1555	1461
6.37		1920	1634
6.401		939	293
6.436		1214	1374

RT B	Compound B	Height B	Area B
6.488		1078	1349
6.506		2885	2186
6.55		21450	18896
6.616		2861	4004
6.687		1456	2872
6.721		5090	7154
6.809		2709	6831
6.859		501	2476
6.877		1641	1002
6.907		1112	302
6.917		1363	787
6.983		1036	588

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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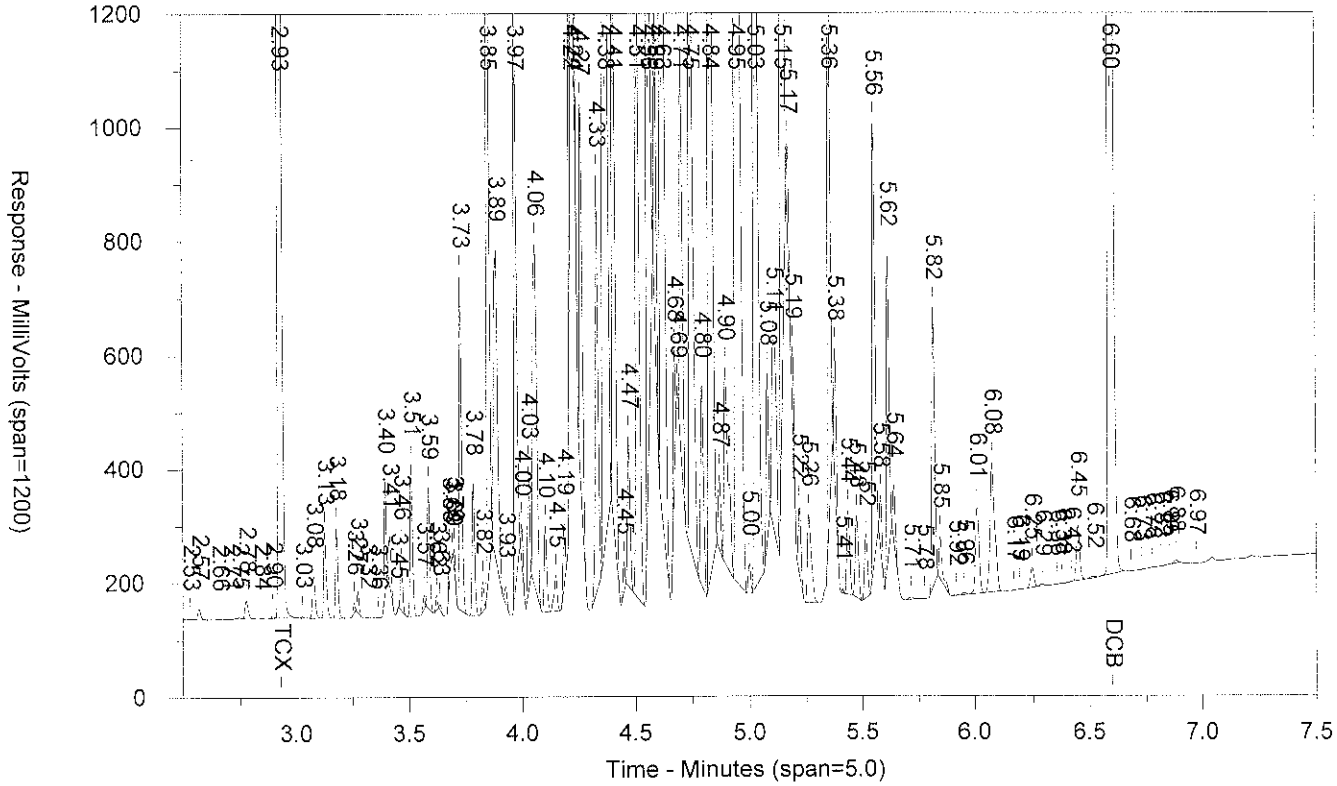

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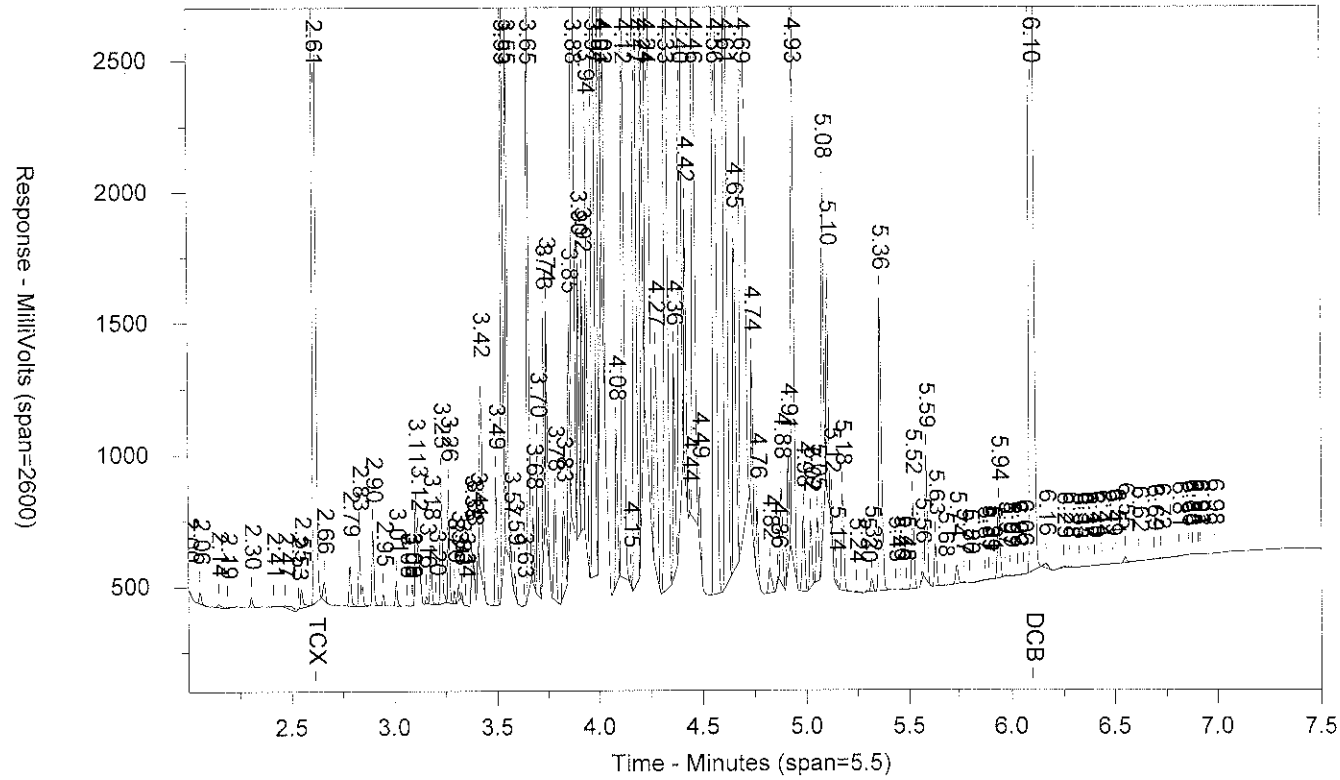

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:37:51 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
2.93	11836510	78.455	TCX	2.615	21526280	79.014	TCX
6.6	6870984	71.282	DCB	6.098	21329200	70.455	DCB

Files:
Area File: 25PCBS17284001.024.RAW
Area File: 25PCBS17284001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:18 PM
File Reported On: 10/12/2017 at 3:36:23 PM

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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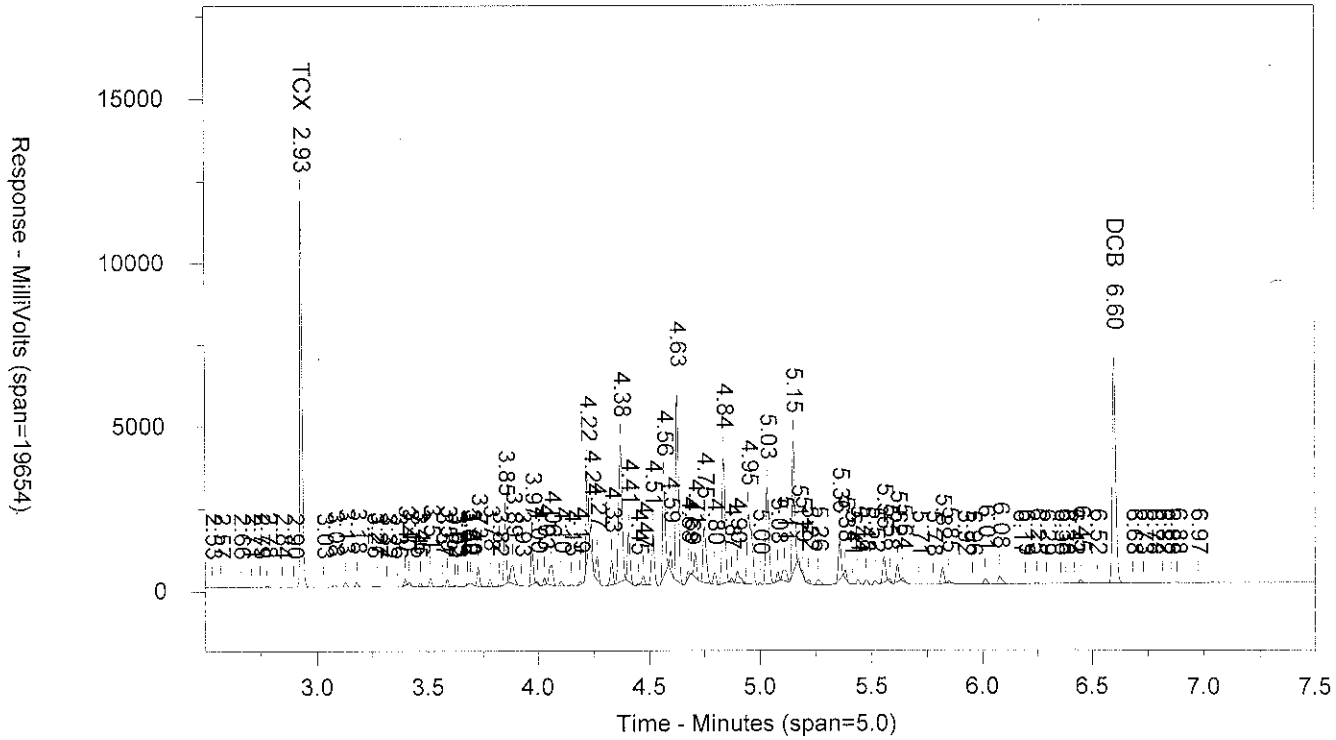

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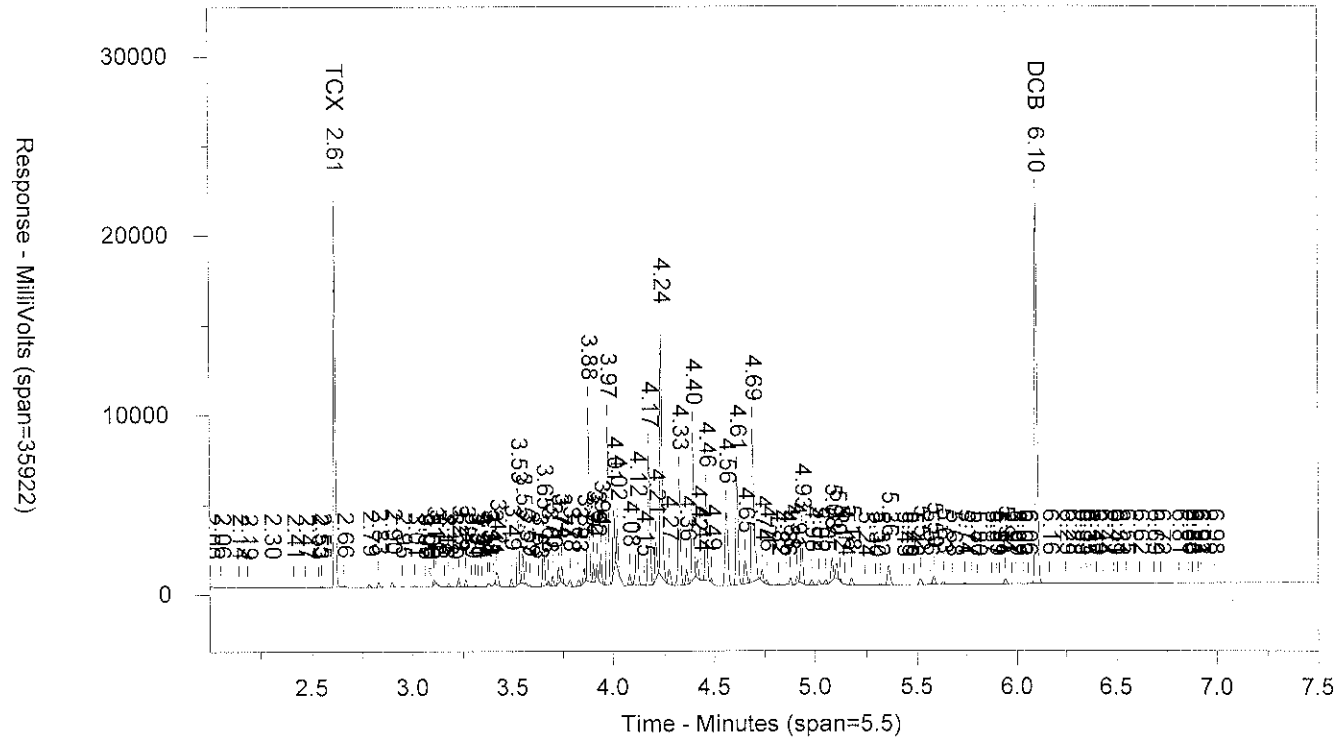

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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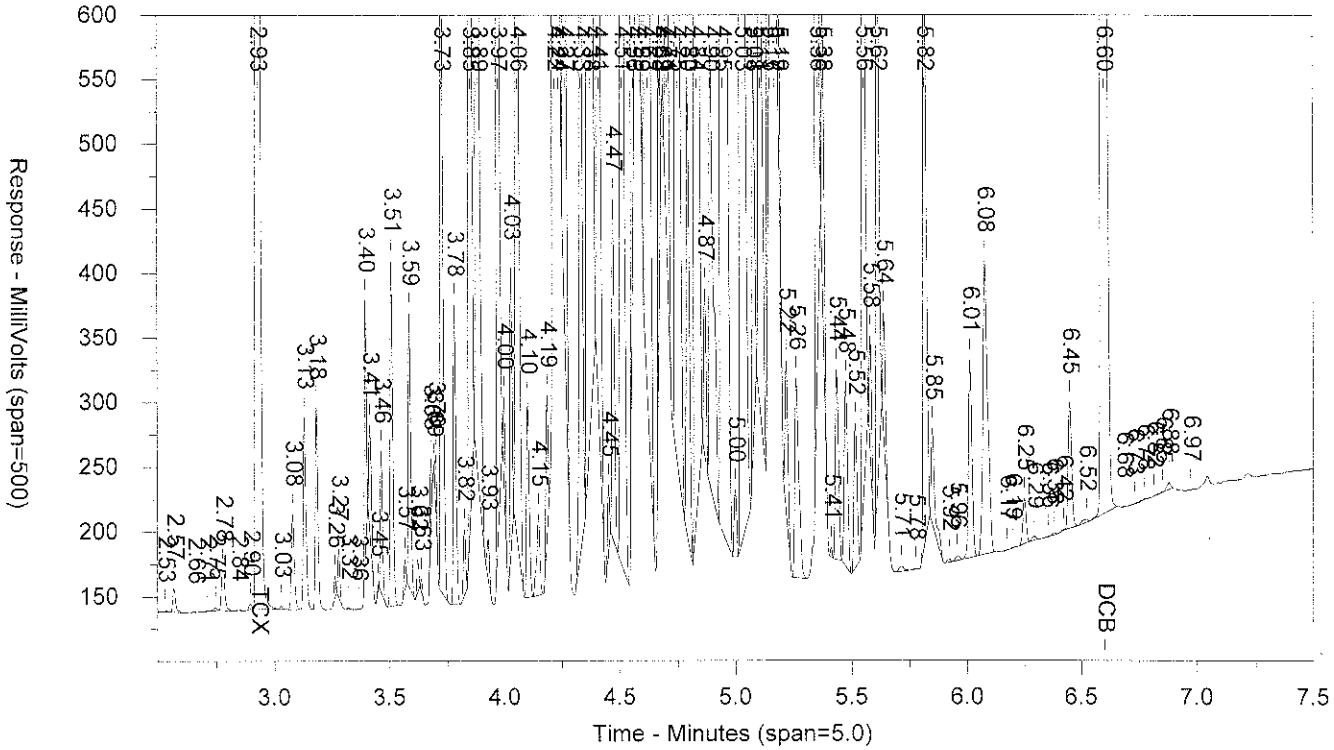

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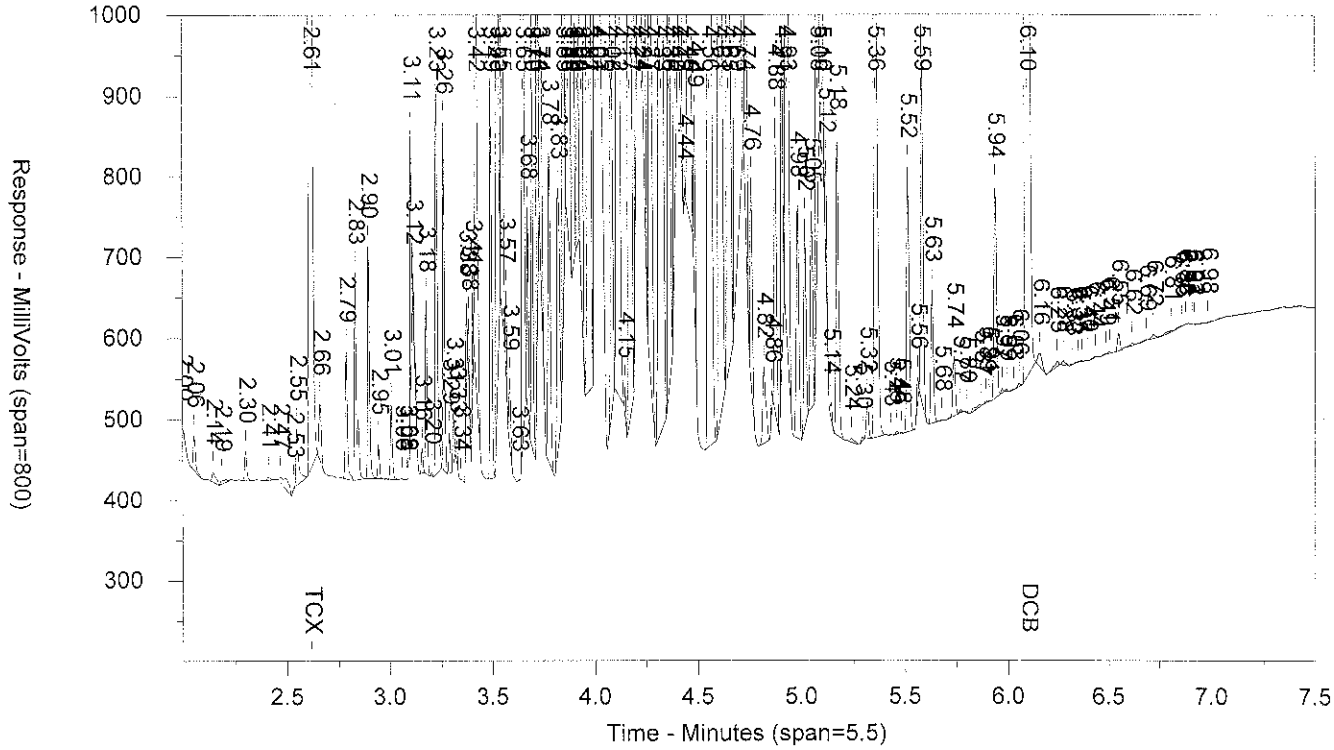

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 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: 25PCBS17284001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.014		522	189
2.035		12352	11836
2.091		8971	20830
2.171		1012	894
2.23		29388	24476
2.295		826	802
2.336		15436	17656
2.431		2723	2200
2.489		8456	8693
2.533		1694	1672
2.567		195978	147517
2.66		608	713
2.713		394	465
2.745		2833	3555
2.777		8880	7408
2.805		2144	1260
2.841		56462	41737
2.895		5726	4352
2.93	TCX	6176302	4272658
3.027		1709	1078
3.077		225576	193695
3.132		198590	177571
3.179		617151	455193
3.257		13659	8311
3.274		4175	2051
3.313		414	468
3.364		470	245
3.395		28552	16888
3.416		29393	34225
3.449		3046	1380
3.476		67030	50997
3.509		47387	35849
3.567		13327	7794
3.584		2652	1149
3.603		2460	1331
3.62		7933	3900
3.635		8713	4738
3.656		3139	1640
3.678		12400	7010
3.689		38237	20814
3.726		59201	45797
3.782		38572	28956
3.823		4344	3004
3.852		15160	11082
3.878		7216	9073
3.927		9371	9162
3.974		12519	8992
3.999		3686	2442
4.029		3411	2367
4.062		23979	26638
4.103		6568	5205
4.167		3546	3925
4.222		16572	11681
4.241		11311	6727

RT A	Compound A	Height A	Area A
4.265		15192	13661
4.335		3662	3368
4.374		26226	35101
4.41		5842	4334
4.449		1594	955
4.47		4203	4377
4.515		19421	19117
4.566		25277	24283
4.624		22608	27046
4.673		2105	1884
4.708		8359	7375
4.751		8042	7902
4.794		3801	3426
4.836		14903	14085
4.871		67139	64608
4.964		15828	23049
4.997		3557	2755
5.035		6827	5792
5.058		8810	6729
5.112		88291	88278
5.152		11482	10475
5.191		3003	2434
5.22		1535	1170
5.258		1656	1668
5.32		11114	15818
5.358		3663	2722
5.381		3638	2845
5.438		2722	2057
5.473		8207	11238
5.516		53787	53100
5.559		1430	1696
5.616		980	662
5.64		107945	115048
5.701		336	273
5.725		639	699
5.777		351	867
5.821		6203	6305
5.867		4489	5742
5.904		563	184
5.954		8419	11894
6.012		90433	91301
6.076		131681	160331
6.163		495	1173
6.206		3070	5188
6.245		7810	10886
6.287		2413	2541
6.327		446	388
6.338		432	146
6.378		1171	1228
6.422		692	502
6.449		61650	63344
6.51		6326	9703
6.598	DCB	3669572	3781412
6.689		877	696
6.704		637	308
6.766		4152	7086
6.813		511	476
6.856		614	276
6.883		6588	12910
6.971		689	775

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 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: 25PCBS17284001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		310	939
2.054		24400	19146
2.112		1969	1373
2.144		9282	15028
2.188		5428	5516
2.274		1409	1004
2.299		326245	227425
2.414		3664	4851
2.468		13159	69969
2.547		24969	42099
2.57		101259	61419
2.614	TCX	11169240	6506088
2.656		125360	105557
2.713		1724	1081
2.785		460451	309588
2.832		89878	40555
2.846		278267	147563
2.898		1124130	690095
2.947		22973	13902
3.01		16729	10993
3.074		353	52
3.085		4118	2207
3.105		42258	20606
3.116		12756	4274
3.125		23943	9409
3.147		39806	28308
3.177		12677	7724
3.203		140510	82081
3.227		89585	57301
3.264		9239	5025
3.291		31111	16581
3.31		22825	11386
3.325		24610	11664
3.344		382	47
3.351		4799	2367
3.375		36081	16372
3.385		76270	35056
3.419		96810	79047
3.451		1955	802
3.476		265	58
3.492		85420	55590
3.528		34379	22454
3.551		23095	12227
3.569		5815	2469
3.587		8127	9587
3.638		1425	3162
3.655		31625	19573
3.678		11802	6638
3.699		9862	5785
3.728		21351	10968
3.745		22486	11093
3.756		4253	1846
3.785		14735	9917
3.832		7542	5536

RT B	Compound B	Height B	Area B
3.855		15140	10249
3.877		72469	48746
3.901		18864	11420
3.921		4834	2192
3.943		14753	11559
3.975		42924	28221
4.008		15040	8537
4.024		25207	18407
4.076		4578	3576
4.088		4539	2414
4.118		9664	8504
4.131		8073	3112
4.151		35385	22694
4.175		27619	18627
4.217		10505	10124
4.236		46473	34677
4.272		4240	3823
4.327		36327	31878
4.366		8891	6815
4.396		22935	15769
4.437		129189	110959
4.462		12019	6267
4.561		30356	27474
4.617		34580	29903
4.664		169480	142130
4.694		17809	16642
4.724		1568	473
4.738		6772	4088
4.761		2948	2410
4.805		822	800
4.817		1155	682
4.838		1902	1473
4.863		1036	549
4.891		830	844
4.911		12141	9675
4.935		10060	7098
4.974		12939	10759
5.019		4449	2685
5.036		3046	1500
5.054		81660	64152
5.082		2052	792
5.102		5356	5289
5.177		191797	162857
5.233		1526	931
5.295		4696	4290
5.317		5506	4540
5.364		14339	14509
5.456		878	249
5.464		1453	503
5.491		1333	481
5.517		189064	168261
5.585		288425	259641
5.634		64953	54701
5.684		1610	1936
5.742		4382	4283
5.797		4927	6783
5.88		1183	13378
5.908		1805	2160
5.938		166280	139321
5.973		2819	2096
6.021		1809	2154
6.058		4529	4739
6.096	DCB	12148290	9722373
6.161		18000	28978
6.203		1320	622
6.253		6305	15317

RT B	Compound B	Height B	Area B
6.29		2826	1084
6.328		1395	1716
6.362		1735	458
6.409		1369	602
6.434		2376	2064
6.508		3486	7546
6.548		13278	11299
6.584		1327	622
6.609		1811	1067
6.642		1243	363
6.675		1690	1110
6.702		1287	1141
6.724		2029	2434
6.776		1748	1633
6.797		1066	397
6.852		630	2076
6.873		1462	383
6.89		1198	342
6.957		2247	2884
6.994		903	1024

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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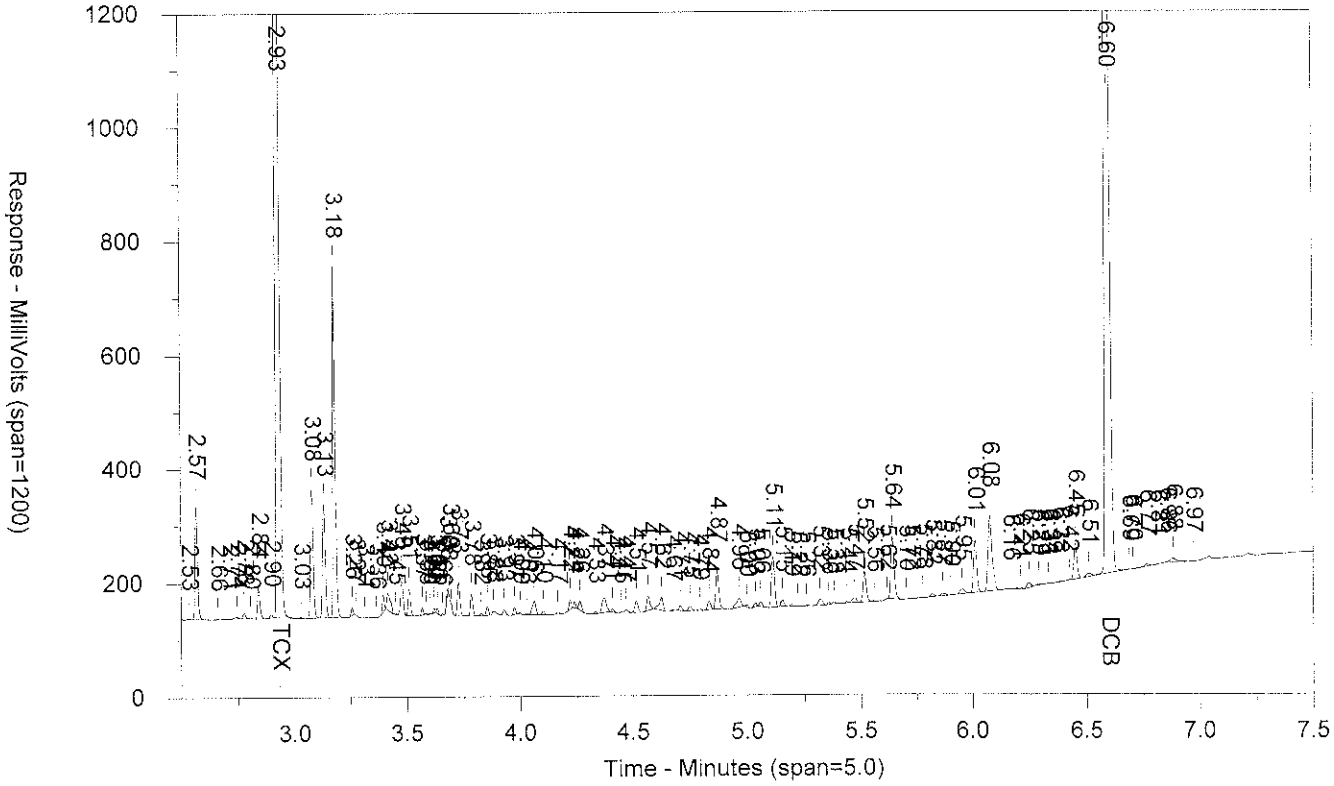

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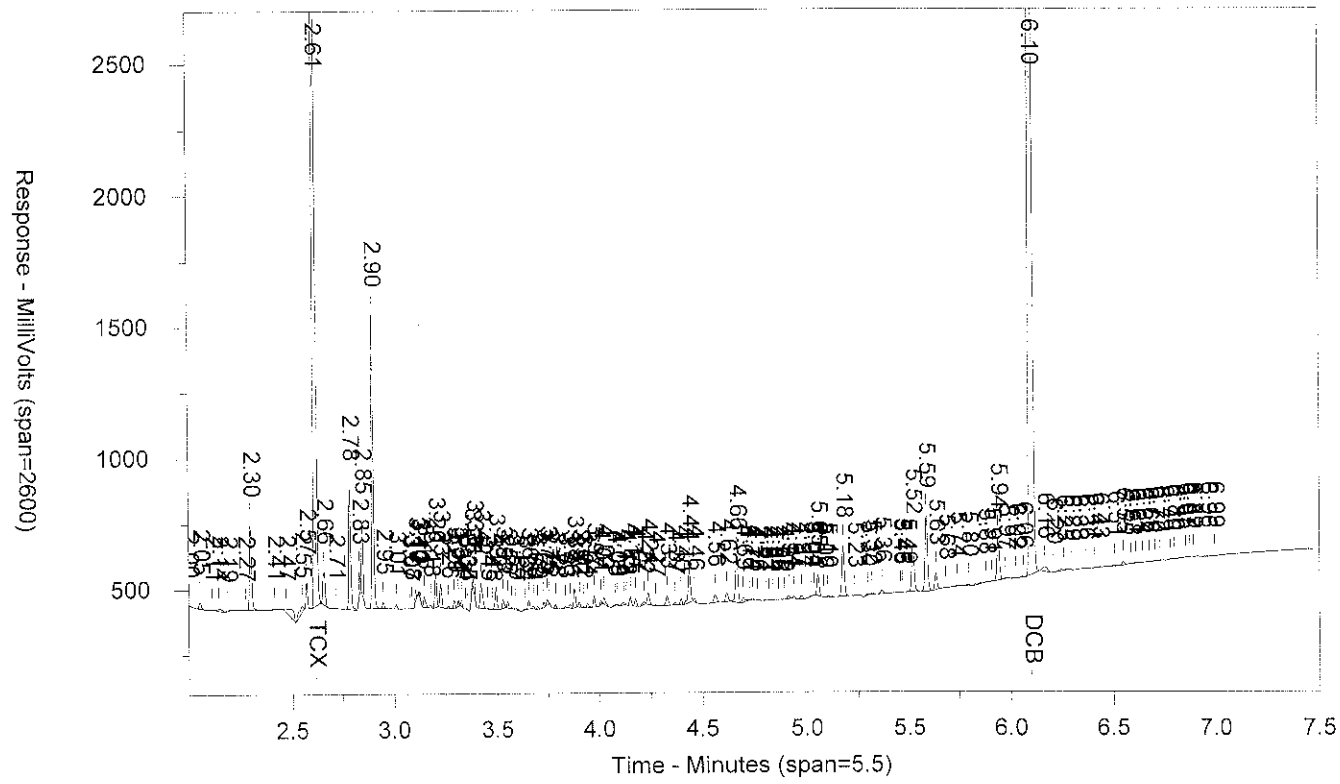

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 1:49:11 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
2.93	6176302	40.938	TCX	2.614	11169240	40.998	TCX
6.598	3669572	38.069	DCB	6.096	12148290	40.128	DCB

Files:
Area File: 25PCBS17284001.025.RAW
Area File: 25PCBS17284001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:36:43 PM

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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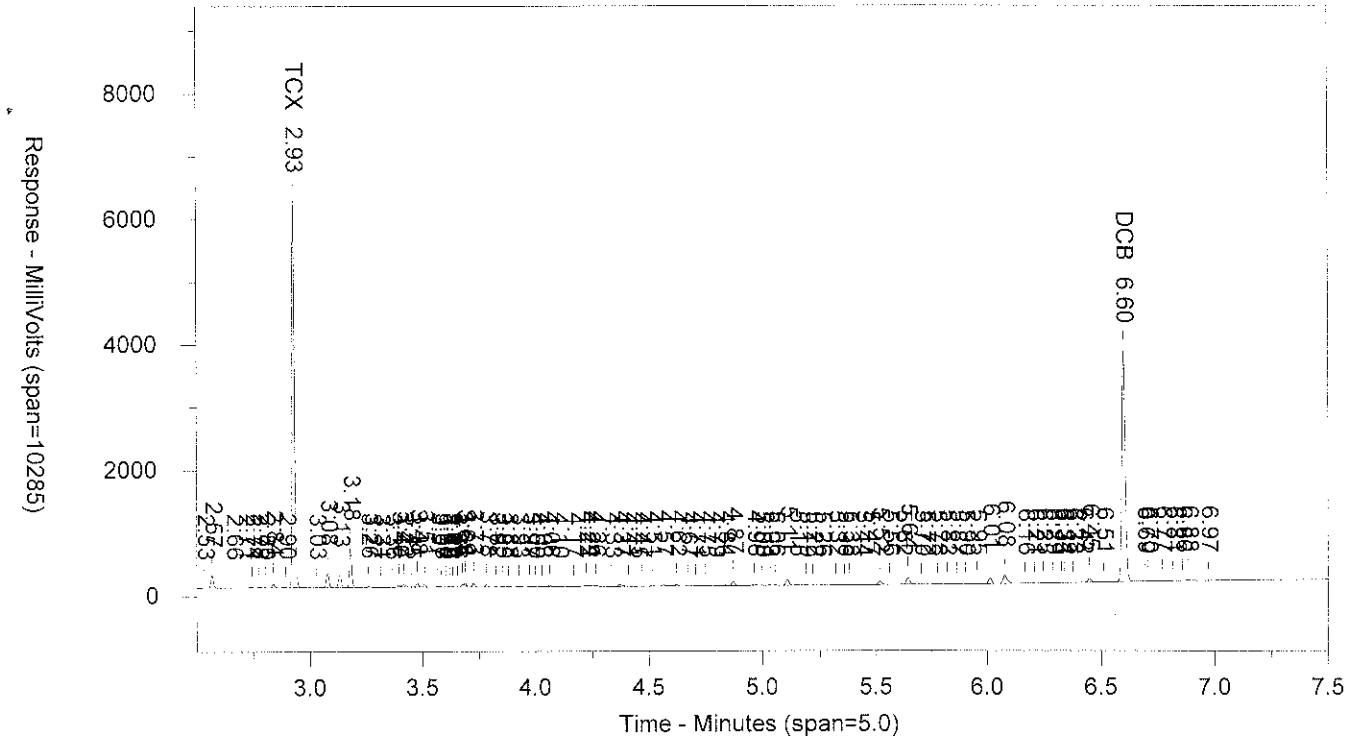

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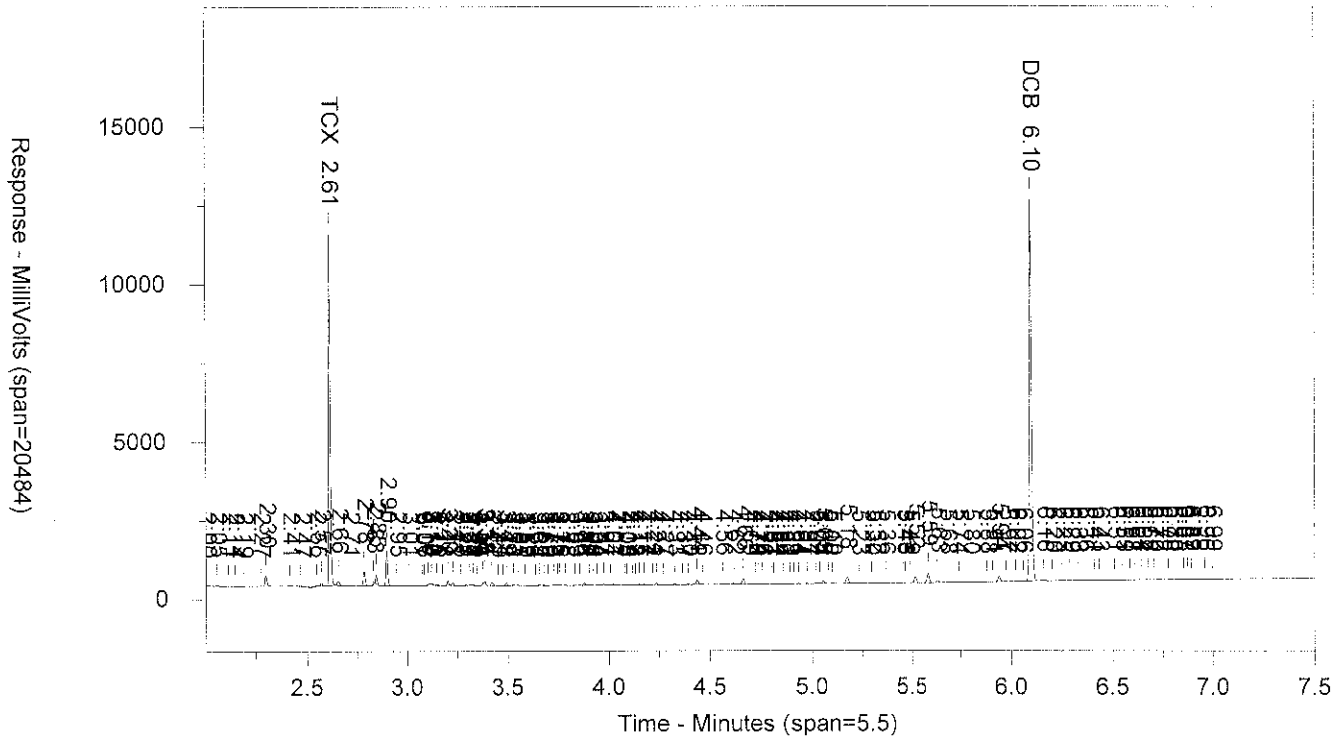

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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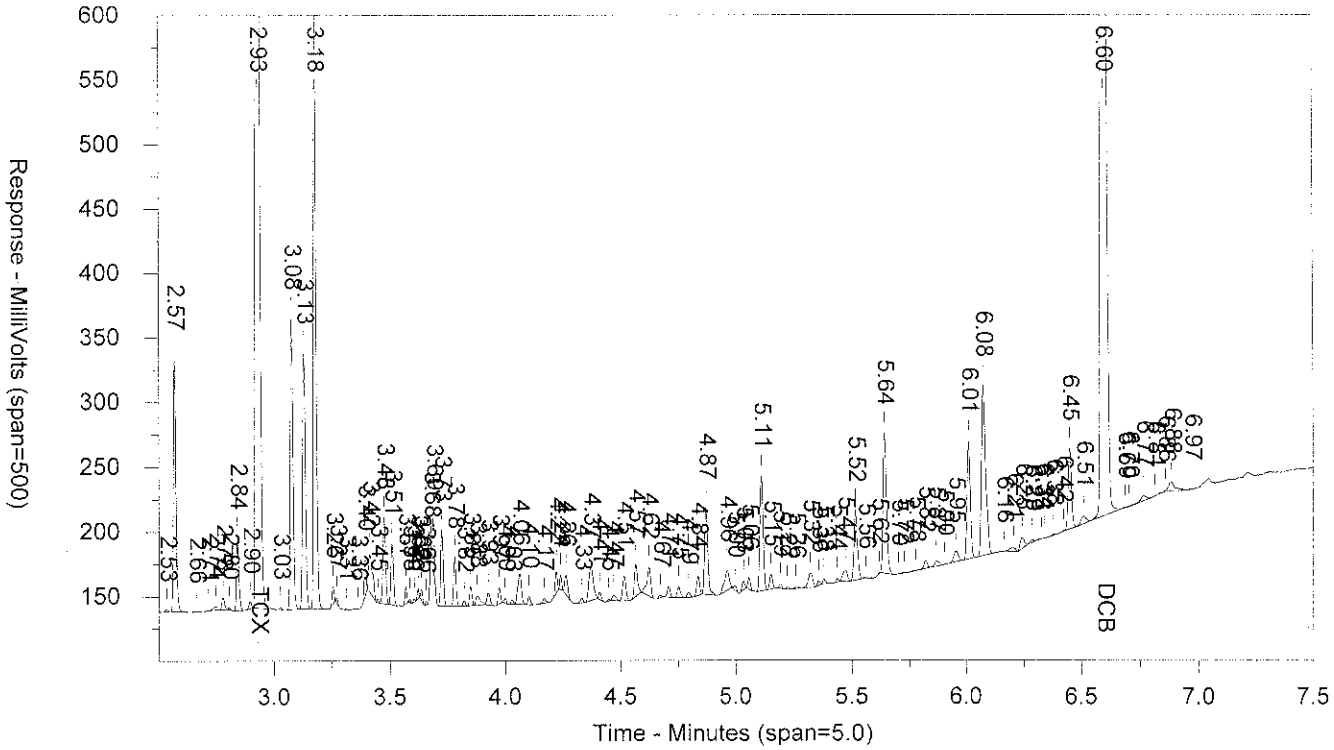

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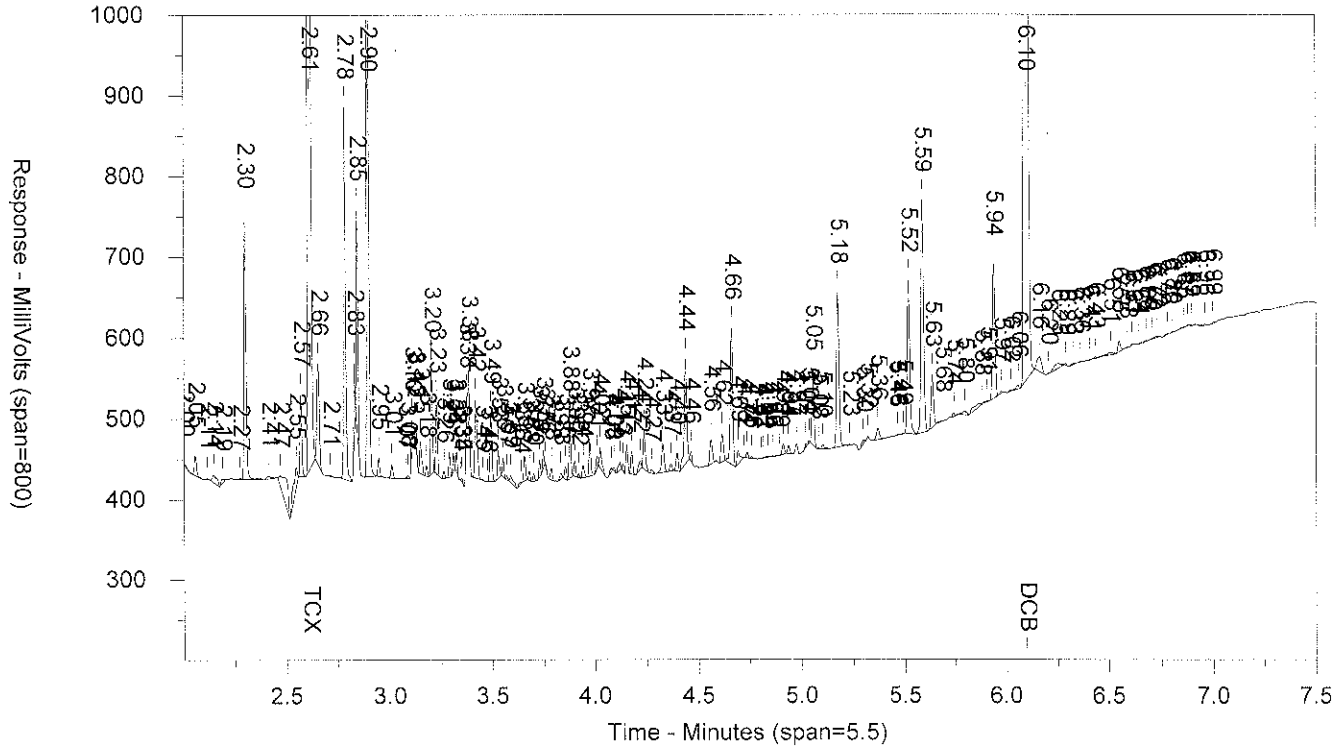

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 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: 25PCBS17284001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.034		14861	14547
2.089		6612	16062
2.172		768	517
2.23		28141	23964
2.293		1064	881
2.337		14687	16767
2.431		2988	2257
2.489		10236	10220
2.532		5431	4394
2.567		122343	91769
2.658		437	475
2.744		2999	4899
2.777		5195	4088
2.804		1169	599
2.84		32685	25036
2.894		6967	5446
2.93	TCX	5941267	4040061
3.028		1405	862
3.077		183172	157813
3.131		171837	152012
3.179		541380	412562
3.257		9446	5127
3.273		25302	15488
3.395		201778	127217
3.411		96020	55790
3.448		23298	12688
3.475		49898	38045
3.509		272482	217117
3.546		802	382
3.565		10647	5978
3.584		14908	9008
3.618		52561	29960
3.633		29902	14895
3.655		699	254
3.677		87404	57014
3.687		223561	121173
3.724		331267	259178
3.781		244522	196021
3.822		22297	15798
3.85		139139	105722
3.877		103145	87384
3.899		22818	11872
3.926		7718	5778
3.973		166464	124064
3.997		58092	37631
4.028		71468	48369
4.061		195280	192379
4.101		62337	50763
4.148		9873	6862
4.166		763	319
4.187		12280	8184
4.219		103373	70229
4.239		135509	86462
4.262		174601	135551

RT A	Compound A	Height A	Area A
4.319		4889	3225
4.332		3841	2267
4.366		106890	83240
4.386		57998	33601
4.409		16515	10570
4.449		1865	1279
4.472		7790	6718
4.513		37684	35858
4.564		49261	42358
4.594		15387	11127
4.624		57119	48169
4.672		2615	2230
4.706		33665	32057
4.749		7408	8331
4.794		7832	7404
4.835		39933	36409
4.871		66620	60272
4.915		1949	1378
4.964		14562	20789
4.998		4448	3433
5.031		36404	31374
5.057		6638	4561
5.111		91745	89753
5.152		10964	9438
5.192		3426	2667
5.219		2734	2325
5.261		3275	3279
5.321		9091	11881
5.356		3875	2900
5.38		5200	5191
5.438		3450	2787
5.473		8645	11493
5.516		52385	54598
5.56		1828	2012
5.616		2715	2212
5.64		111724	108435
5.723		582	462
5.75		472	167
5.782		367	318
5.821		9105	9263
5.867		4857	7159
5.924		644	1017
5.954		7467	10014
6.011		87552	89584
6.076		128236	160029
6.165		906	1394
6.21		512	1071
6.244		7521	9827
6.289		1750	2714
6.345		590	797
6.39		497	1013
6.419		812	625
6.449		55558	58620
6.509		5626	8509
6.596	DCB	3454476	3560416
6.676		494	202
6.697		634	550
6.766		3234	4429
6.82		255	444
6.83		590	199
6.878		6732	11692
6.985		773	567

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 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: 25PCBS17284001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		1015	780
2.055		23636	18879
2.11		1052	1042
2.143		7297	13089
2.188		4254	3419
2.202		3323	4194
2.271		1764	1087
2.299		207068	147315
2.411		10326	10398
2.467		8230	64538
2.548		20528	40587
2.571		61170	36472
2.614	TCX	10717900	6158984
2.657		115398	95045
2.785		372128	259326
2.832		92810	43435
2.846		230632	120094
2.898		1022375	626762
2.948		22679	14698
3.01		66536	41615
3.069		989	296
3.086		2097	838
3.105		318558	155823
3.116		111495	42286
3.156		66120	47910
3.177		43154	24092
3.203		105492	59906
3.227		514135	339368
3.263		39498	23337
3.291		25252	12111
3.31		121556	66144
3.325		81793	38444
3.349		5001	3025
3.375		231114	112200
3.384		457534	201288
3.405		16197	6769
3.418		507393	376490
3.492		522741	327470
3.527		307499	189769
3.55		356032	195584
3.568		117394	58916
3.585		3651	3142
3.633		1466	1882
3.654		407759	272975
3.676		167844	91031
3.697		154557	95622
3.726		117172	60243
3.743		355412	219085
3.784		142792	104753
3.832		28361	19247
3.853		237204	148327
3.876		433349	279963
3.9		396530	244275
3.919		14793	6104

RT B	Compound B	Height B	Area B
3.939		18857	10543
3.958		7869	3350
3.974		85348	52244
4.009		249512	184759
4.036		158043	93527
4.085		16421	18199
4.118		52375	48813
4.15		35680	22146
4.174		88952	63992
4.207		51460	37331
4.234		122851	91980
4.271		3716	3560
4.327		74217	78543
4.364		17399	12889
4.395		77435	52672
4.435		130792	104686
4.461		9222	4971
4.486		6369	4509
4.518		2732	2000
4.562		30508	28780
4.614		90519	75663
4.663		181247	143214
4.691		13776	11148
4.722		2560	1290
4.738		5041	3129
4.759		4369	3608
4.815		1173	834
4.837		1831	1139
4.86		2673	2601
4.911		17134	14530
4.935		8531	5753
4.974		12920	11299
5.02		5716	3548
5.035		3160	1420
5.054		83119	66092
5.081		1701	730
5.104		14717	12262
5.176		198565	166920
5.245		1085	237
5.297		3178	2847
5.318		5764	4901
5.365		19751	19960
5.433		1086	1727
5.466		2204	2112
5.517		192000	173448
5.585		280289	252320
5.634		70949	58503
5.68		1042	1360
5.742		6693	5435
5.776		944	524
5.801		3271	3249
5.843		2331	3589
5.871		2131	2386
5.907		782	1840
5.939		152387	129139
5.971		2904	1770
6.033		477	1482
6.055		4691	3634
6.097	DCB	10904640	9196796
6.157		16838	26758
6.256		4316	12188
6.274		2508	4169
6.326		1261	1174
6.335		1821	470
6.361		1618	1302
6.391		1253	638

RT B	Compound B	Height B	Area B
6.439		2038	3095
6.484		1333	1805
6.505		2054	2261
6.548		11472	9582
6.628		1627	6480
6.683		1209	1779
6.703		1333	968
6.718		1575	749
6.755		1108	347
6.771		1977	1512
6.808		1244	2235
6.844		1289	597
6.889		1358	2891
6.903		1616	1979
6.959		1138	595

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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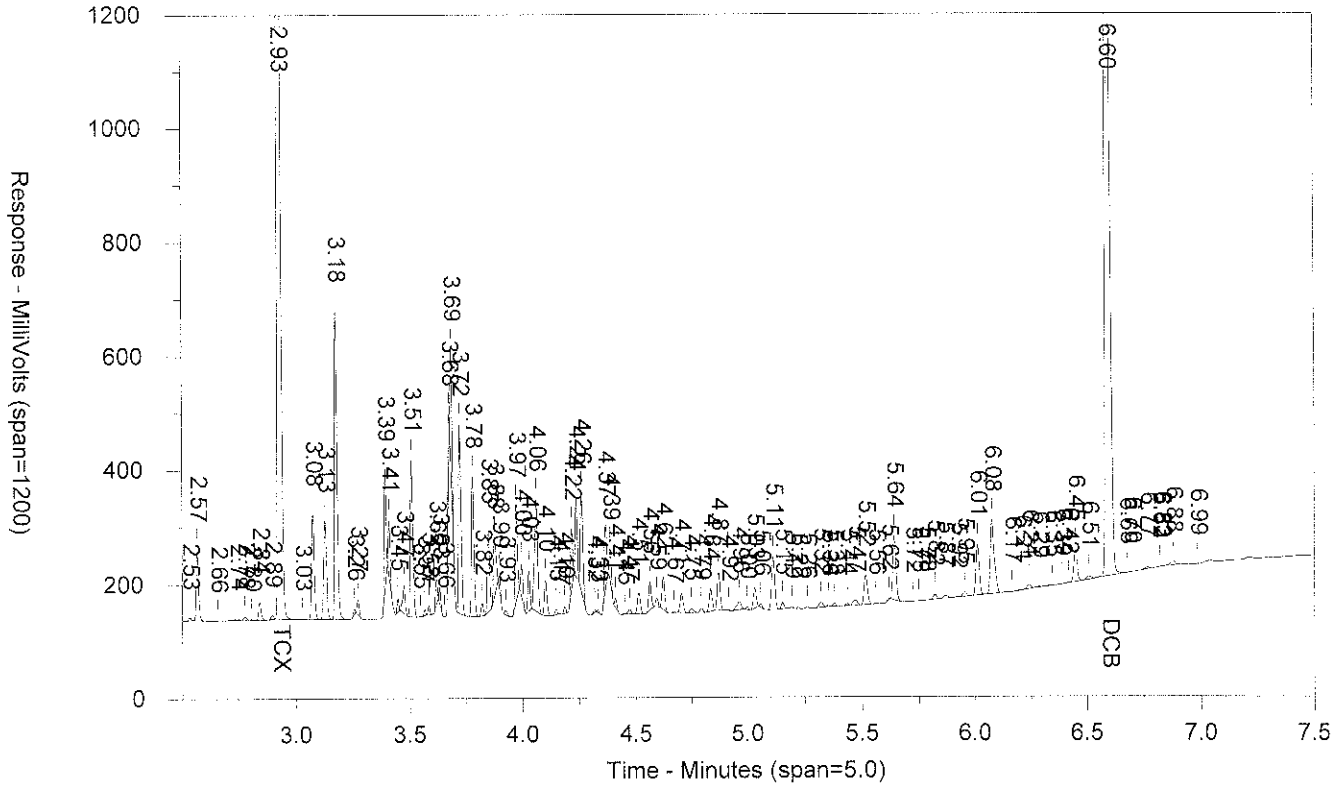

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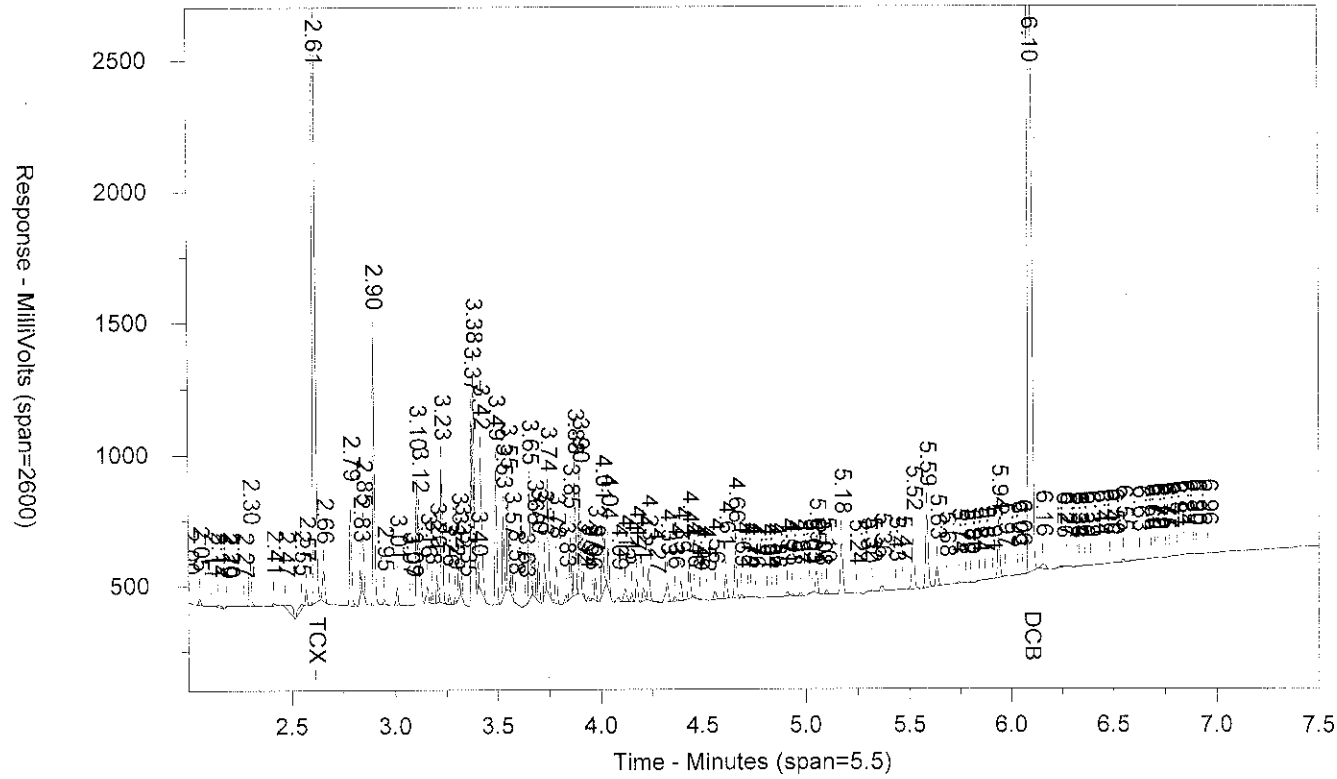

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:00:22 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
2.93	5941267	39.38	TCX	2.614	10717900	39.341	TCX
6.596	3454476	35.838	DCB	6.097	10904640	36.02	DCB

Files:
Area File: 25PCBS17284001.026.RAW
Area File: 25PCBS17284001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:02 PM

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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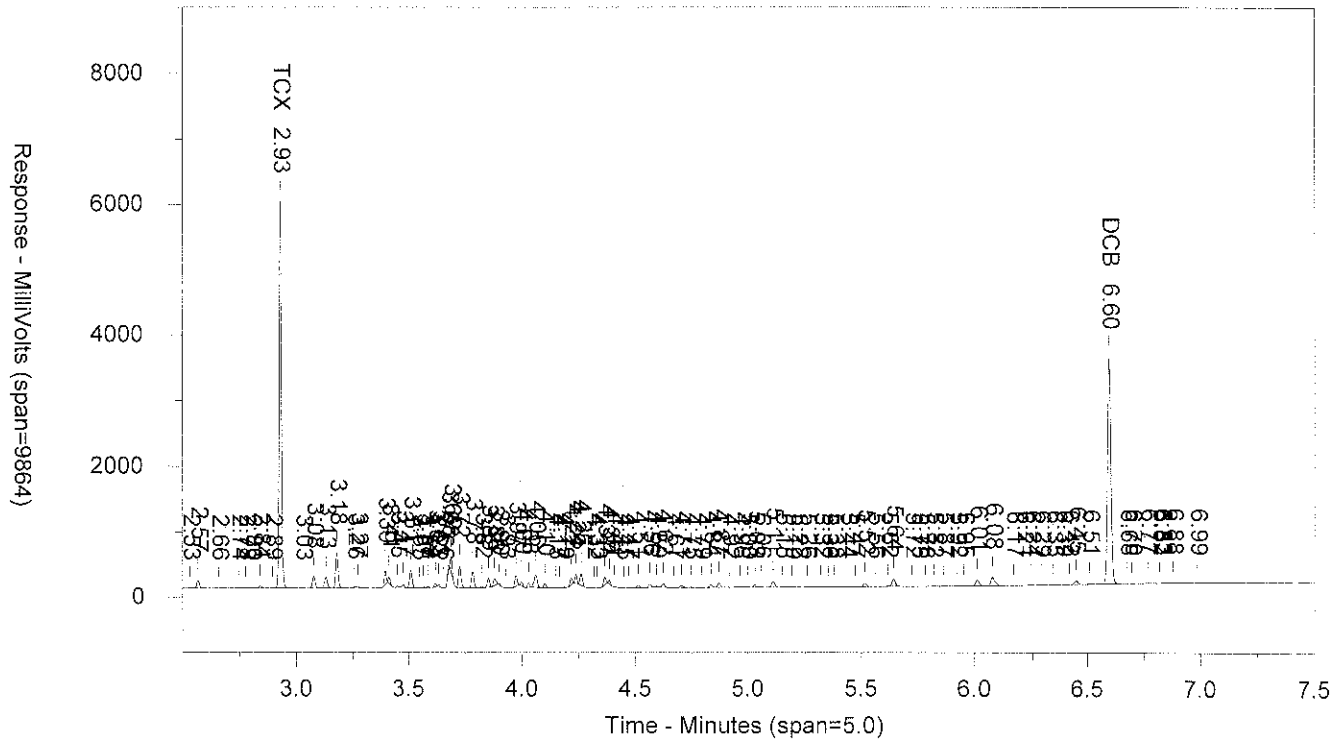

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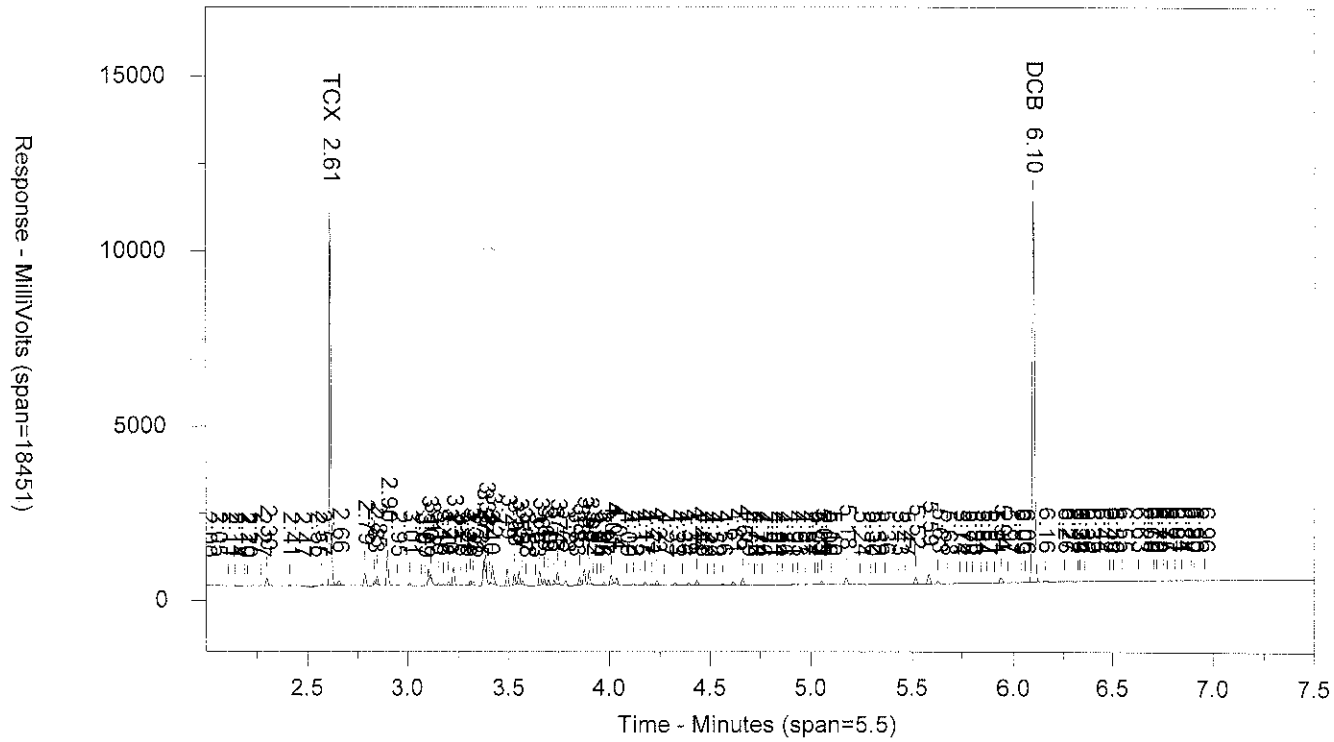

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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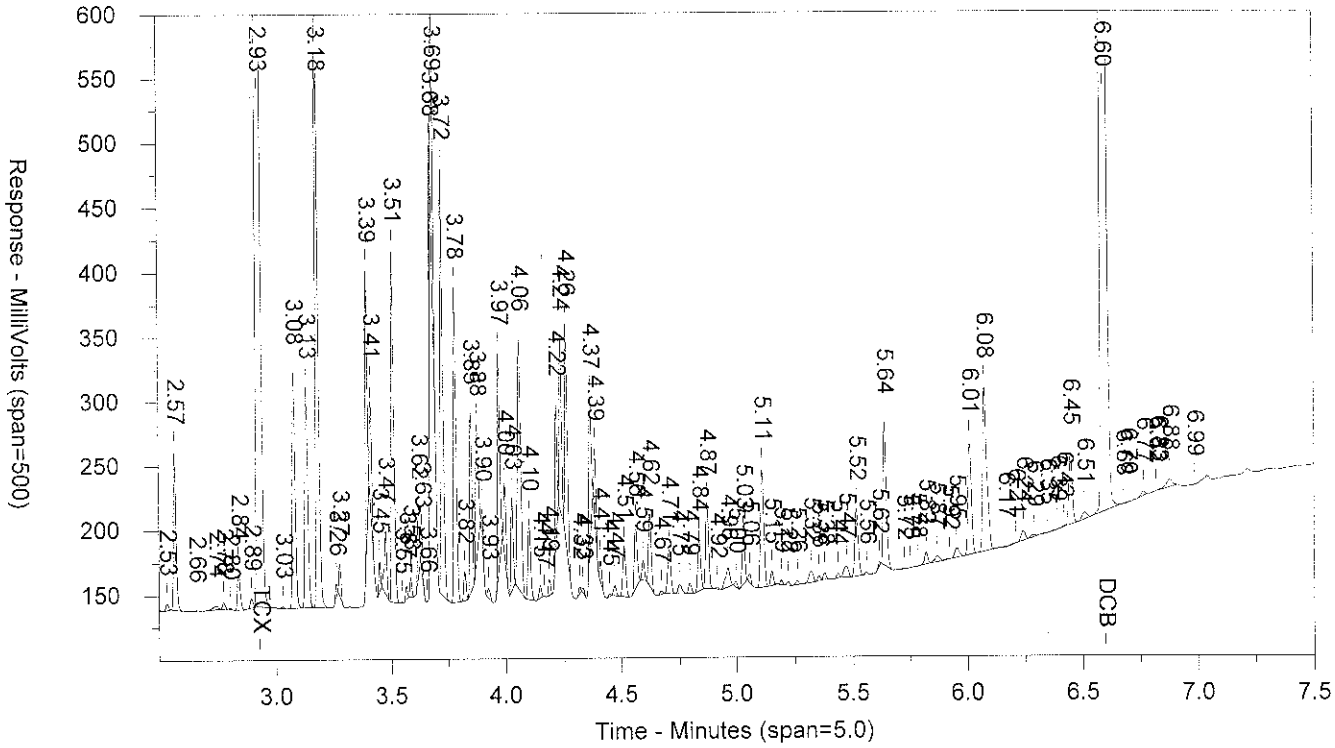

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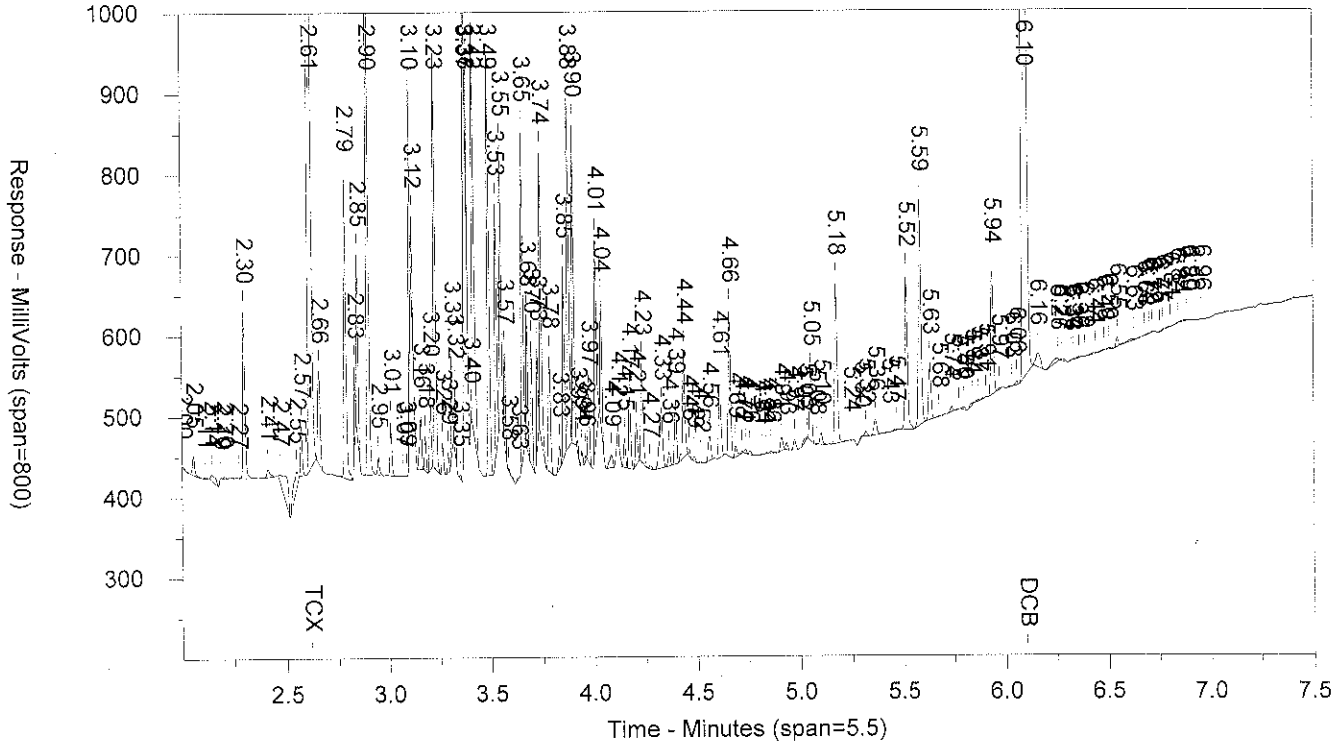

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 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: 25PCBS17284001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		14205	18343
2.086		6290	10838
2.141		1106	947
2.203		616	236
2.23		48256	37818
2.291		1326	1135
2.337		25154	31819
2.43		5024	4279
2.49		16381	16733
2.532		2666	2737
2.568		24495	19174
2.622		552	255
2.652		3419	2960
2.683		948	491
2.71		394	231
2.735		5642	7449
2.777		1952	1455
2.844		3916	4187
2.895		16967	14952
2.93	TCX	10633770	7381660
3.027		2804	1803
3.047		946	436
3.077		183578	161453
3.13		204682	194174
3.179		729023	530239
3.257		18438	9763
3.272		83135	54023
3.314		2567	1626
3.363		569	280
3.394		617361	382762
3.411		288210	160589
3.447		73656	41720
3.463		16980	7144
3.474		24903	12082
3.508		828044	644198
3.546		2739	1340
3.565		19784	11656
3.584		48742	30893
3.618		149603	86520
3.632		82527	41058
3.676		285064	179172
3.686		756566	389939
3.723		1028566	787783
3.78		789192	611768
3.822		70958	50070
3.85		463992	345601
3.877		336126	282259
3.898		79889	43171
3.924		17541	14497
3.972		534426	398924
3.996		186767	122740
4.028		213559	157790
4.061		646057	624018
4.1		198679	164805

RT A	Compound A	Height A	Area A
4.147		36529	30648
4.186		49463	36286
4.218		373510	255959
4.239		447594	284293
4.261		552502	420721
4.318		15313	9364
4.332		16214	10153
4.366		356946	279527
4.385		169576	105126
4.408		81222	51893
4.449		6170	4115
4.471		25515	24808
4.512		130707	118438
4.562		168779	147754
4.594		86533	66114
4.623		229515	204398
4.672		1754	998
4.706		125021	121239
4.749		17678	23980
4.795		31167	28827
4.834		176051	168250
4.87		105378	95744
4.914		14067	13874
4.961		53141	103491
5.03		161029	156095
5.056		8672	5245
5.079		3674	2022
5.11		163639	157444
5.151		46254	40992
5.172		1707	896
5.191		6647	4500
5.22		1017	718
5.262		2342	3040
5.32		24203	37288
5.355		19797	15268
5.38		6246	4195
5.406		1589	1696
5.437		3400	2452
5.471		14464	19926
5.516		92318	93955
5.555		10855	9199
5.58		1670	1000
5.639		210441	244907
5.717		2482	2394
5.742		6395	6311
5.819		12205	13860
5.868		7669	9969
5.953		24773	41161
6.011		153099	154056
6.075		227438	297488
6.157		1387	1030
6.19		447	382
6.24		24338	35985
6.287		1828	2072
6.312		639	272
6.336		2399	2115
6.385		3242	3947
6.42		2648	2247
6.447		117284	124142
6.507		20592	30753
6.552		2051	2258
6.596	DCB	6639505	6565950
6.658		1821	1698
6.703		3569	3733
6.765		40158	67460
6.838		4104	4509

RT A	Compound A	Height A	Area A
6.88		6967	8111
6.933		6983	9806
6.978		1986	1939

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 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: 25PCBS17284001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.004		1916	828
2.055		40818	31650
2.112		2478	2482
2.145		15075	24811
2.189		7452	6986
2.24		2134	3114
2.273		3230	2143
2.301		45966	32532
2.364		5474	3545
2.41		5267	6323
2.467		12857	55566
2.546		11356	26797
2.572		6521	4213
2.615	TCX	18905330	11363000
2.658		137409	105385
2.786		384171	280652
2.832		173044	84201
2.846		219144	112183
2.898		1252540	804500
2.948		40128	23458
3.009		182524	118249
3.071		964	294
3.083		4323	2371
3.105		807616	400618
3.116		364300	136597
3.156		180782	109587
3.177		121815	69610
3.202		122840	67066
3.226		1507898	1001202
3.263		123565	72351
3.291		48137	24177
3.309		361918	189545
3.324		211039	101070
3.375		811894	354038
3.384		1450538	629713
3.404		64654	24639
3.418		1661843	1123613
3.492		1643000	1006206
3.527		1047827	624448
3.55		1159602	652390
3.568		368709	188359
3.587		14480	9740
3.637		10587	5339
3.653		1399019	887541
3.676		532959	290430
3.697		527349	307784
3.726		362667	185831
3.742		1195903	712623
3.783		447341	321517
3.831		94944	63935
3.852		812474	500584
3.876		1420981	909544
3.9		1398893	853278
3.919		64299	29339

RT B	Compound B	Height B	Area B
3.939		68451	37475
3.958		27140	11715
3.974		328575	208521
4.008		897202	657911
4.036		597059	342950
4.083		49246	39975
4.117		195057	159723
4.149		52228	31678
4.174		355449	264768
4.207		213235	155677
4.234		515634	369772
4.272		12905	15381
4.327		240849	249532
4.363		71503	51831
4.394		312598	224534
4.418		8875	4405
4.435		203708	146136
4.461		31318	16840
4.486		31381	23243
4.561		70630	68575
4.612		362548	300151
4.637		1807	659
4.662		302347	242649
4.691		81962	81870
4.737		21029	14293
4.76		6426	4836
4.8		1613	1381
4.816		3282	2348
4.888		9514	9434
4.913		28916	22346
4.934		33892	21092
4.974		8568	4538
5.019		9989	6205
5.035		7018	3112
5.053		143097	108227
5.081		21033	14092
5.103		4025	1814
5.122		5808	8470
5.175		344069	288332
5.208		11253	9145
5.236		38134	48289
5.295		7158	8701
5.317		8612	6418
5.338		973	469
5.362		24807	23369
5.391		3682	3016
5.44		10626	10940
5.46		1148	951
5.516		371225	373769
5.584		528057	465283
5.634		115293	101028
5.679		13884	15312
5.724		21114	25896
5.799		23545	22631
5.822		31831	28541
5.874		979	1810
5.891		5726	4081
5.938		287275	258799
5.972		9931	8406
5.994		4232	2689
6.027		1663	1123
6.05		5174	3424
6.096	DCB	20767020	17121320
6.155		5074	4610
6.174		13089	9130
6.22		33379	42101

RT B	Compound B	Height B	Area B
6.247		11372	9856
6.274		4500	8793
6.333		73361	105966
6.379		4924	4308
6.431		37429	28192
6.449		14882	7346
6.486		86569	120626
6.521		16635	12945
6.566		58612	101964
6.593		4371	3859
6.628		33512	28185
6.65		6259	6514
6.694		4615	4374
6.728		12512	21122
6.772		5956	5189
6.797		37284	38669
6.847		22410	21487
6.892		23479	28517
6.947		18999	32419

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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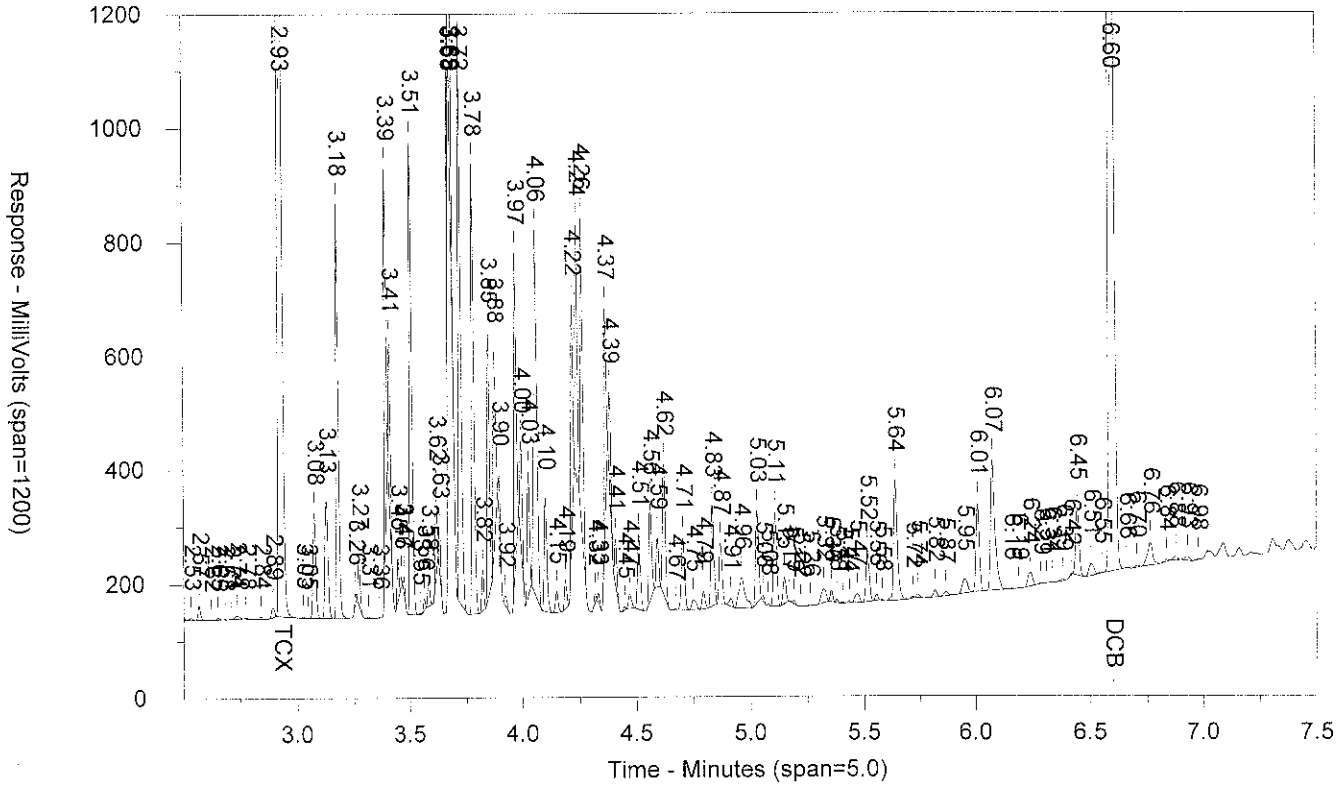

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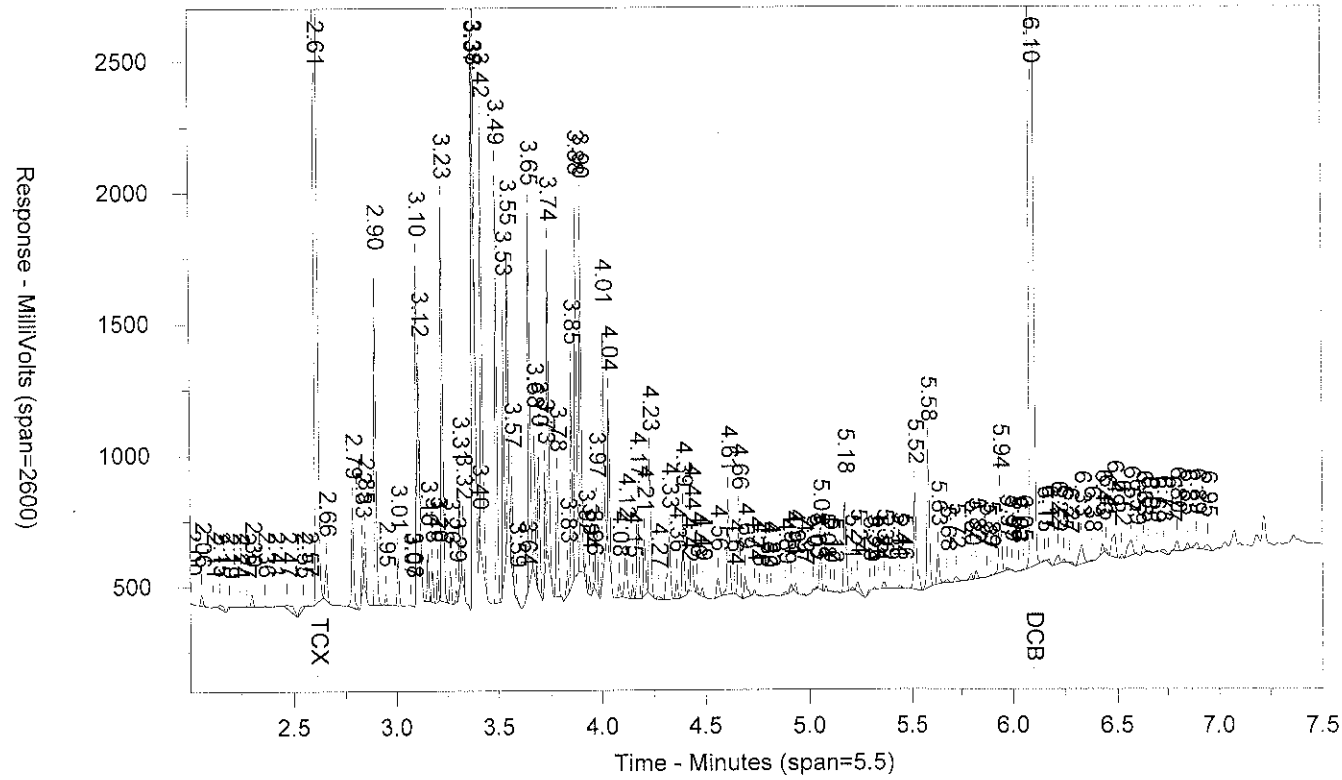

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:11:31 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
2.93	10633770	70.483	TCX	2.615	18905330	69.393	TCX
6.596	6639505	68.881	DCB	6.096	20767020	68.598	DCB

Files:
Area File: 25PCBS17284001.027.RAW
Area File: 25PCBS17284001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:19 PM

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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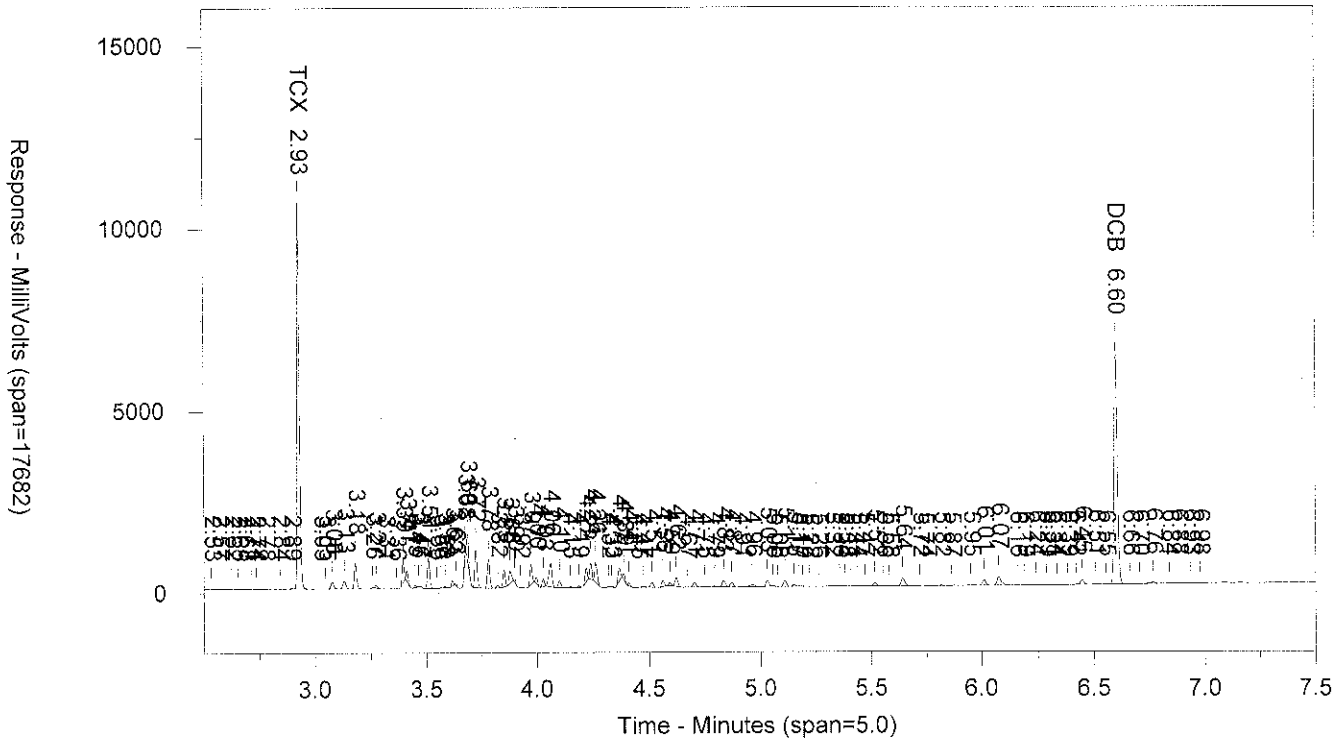

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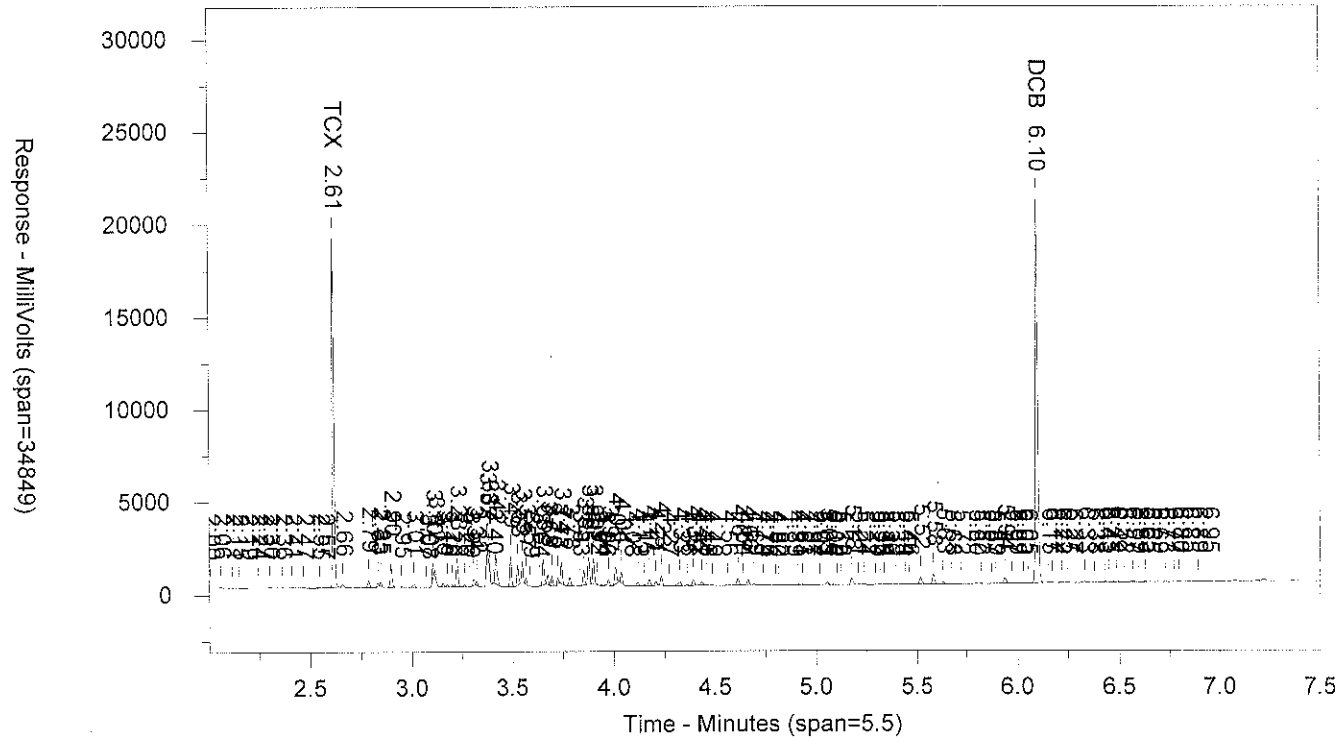

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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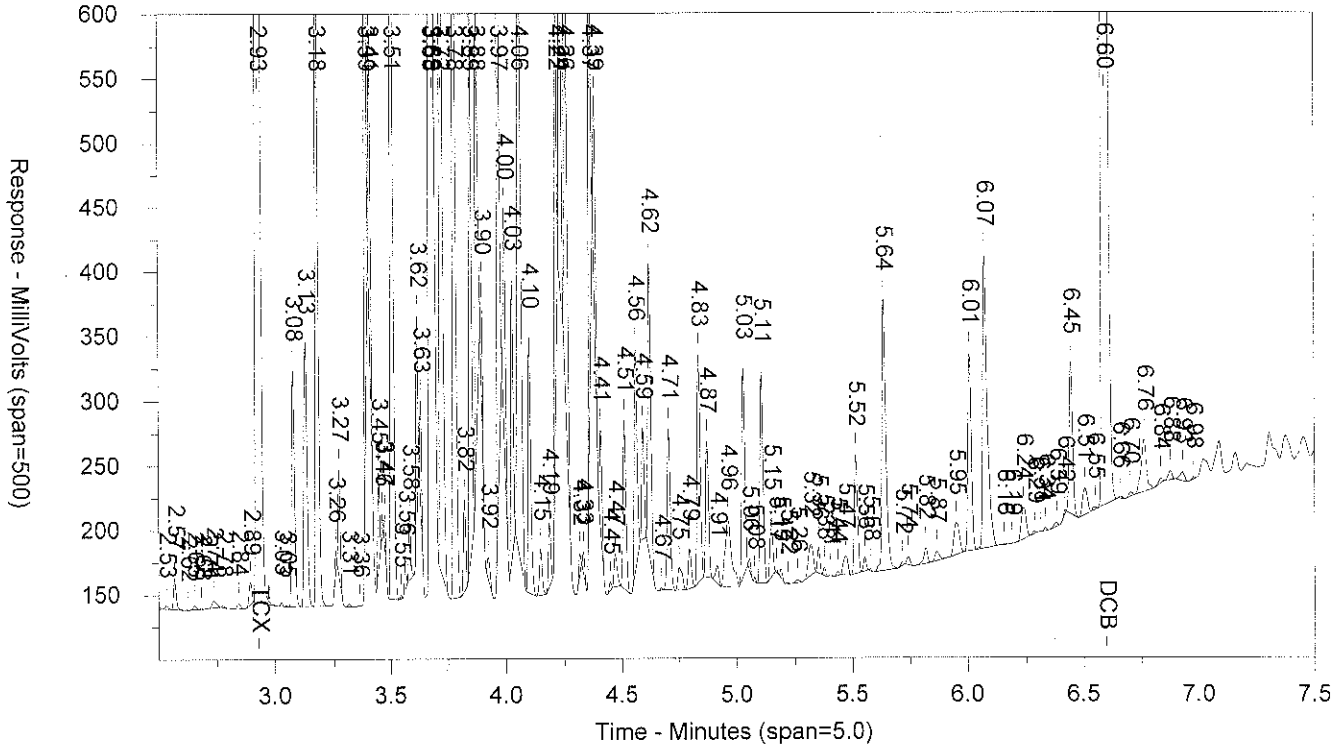

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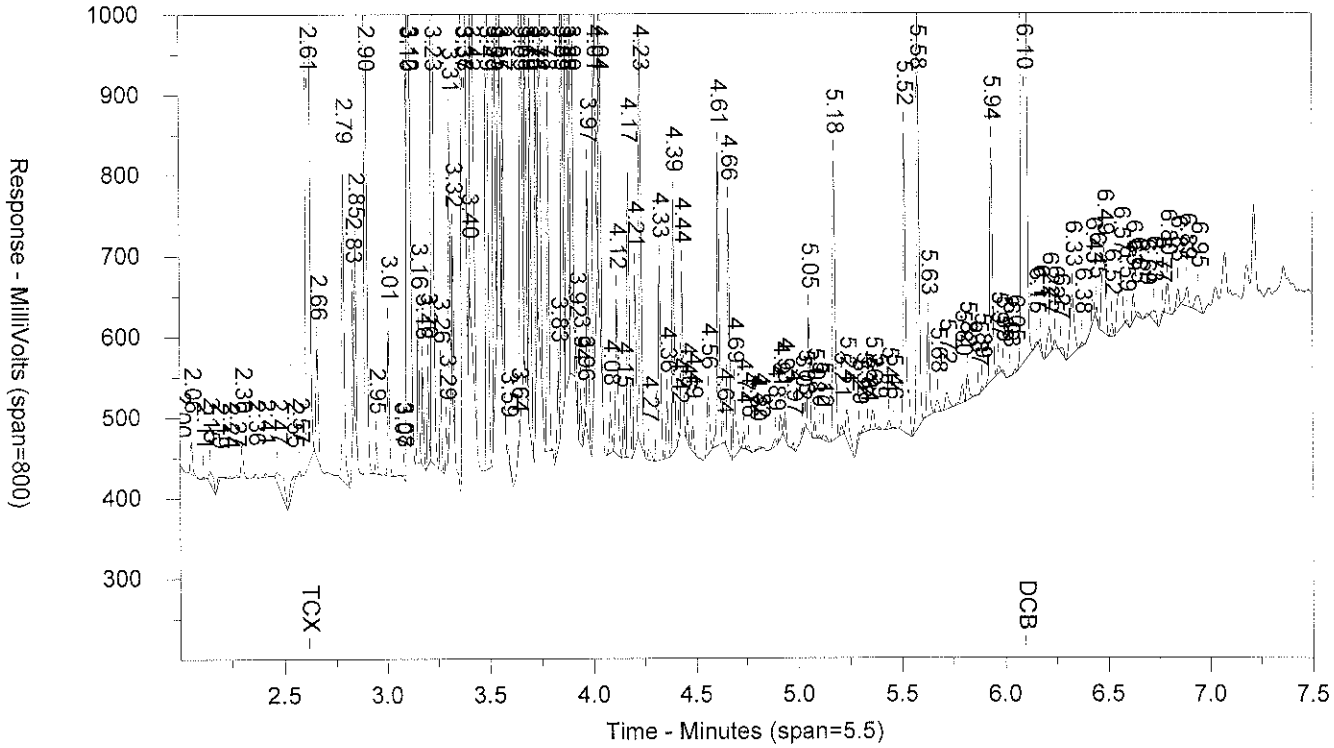


LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 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: 25PCBS17284001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.012		433	129
2.035		12059	11928
2.088		4994	9507
2.142		1596	1109
2.214		2959	2565
2.252		705	506
2.286		5410	5560
2.329		10637	7334
2.366		818	847
2.49		8151	7983
2.534		2893	3640
2.569		1540	778
2.585		3850	2306
2.652		768	460
2.675		2928	1911
2.708		583	334
2.746		2716	3547
2.777		4459	3391
2.849		5897	4068
2.895		5964	5994
2.925	TCX	7201	5285
3.03		338	375
3.078		7200	7189
3.133		5403	3645
3.156		1111	557
3.179		30572	22336
3.273		14122	17571
3.367		354	347
3.395		22626	13561
3.412		13920	9425
3.448		1706	787
3.465		8554	6221
3.508		55412	41863
3.562		2016	1126
3.585		22387	18692
3.618		2654	1254
3.634		2258	1054
3.652		423	223
3.677		7728	4349
3.688		13346	9079
3.726		59846	50816
3.78		54230	40953
3.822		9289	9813
3.852		27229	20798
3.887		97177	82464
3.925		14657	16125
3.974		27716	22634
3.997		6807	3952
4.029		8417	5469
4.052		80152	78090
4.101		15612	12740
4.136		2263	1291
4.186		25922	16178
4.221		133726	128843

RT A	Compound A	Height A	Area A
4.241		12243	5822
4.265		25072	21282
4.333		6456	3629
4.354		6301	4973
4.376		163190	150810
4.409		24070	18707
4.471		15936	22971
4.51		212466	202513
4.58		137467	174055
4.624		76513	67043
4.674		409651	429496
4.709		77472	58049
4.749		742517	691894
4.792		66095	60587
4.834		69820	71884
4.871		38565	29253
4.896		84897	73852
4.947		769496	936892
4.998		357711	352763
5.038		288793	241156
5.056		23846	12247
5.077		37557	24696
5.117		45417	44481
5.151		740280	726926
5.193		41918	24516
5.219		1094890	997555
5.261		475798	464929
5.324		4125	4660
5.354		195342	155648
5.38		954322	936057
5.436		400298	358001
5.473		165376	201979
5.521		48483	54226
5.56		165113	172400
5.616		2159702	2369667
5.718		885	741
5.768		1045	1356
5.819		1422966	1338736
5.876		672997	992644
5.957		7495	9647
6.012		70451	70263
6.091		351139	404527
6.154		1956	2014
6.205		2553	5360
6.246		814171	832128
6.291		56757	55303
6.371		532	356
6.449		315560	335118
6.51		5236	6163
6.577		1036	869
6.596	DCB	6630	6007
6.657		1759	1926
6.764		4030	6875
6.843		885	1161
6.877		6129	8558
6.945		587	203
6.969		694	258

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 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: 25PCBS17284001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

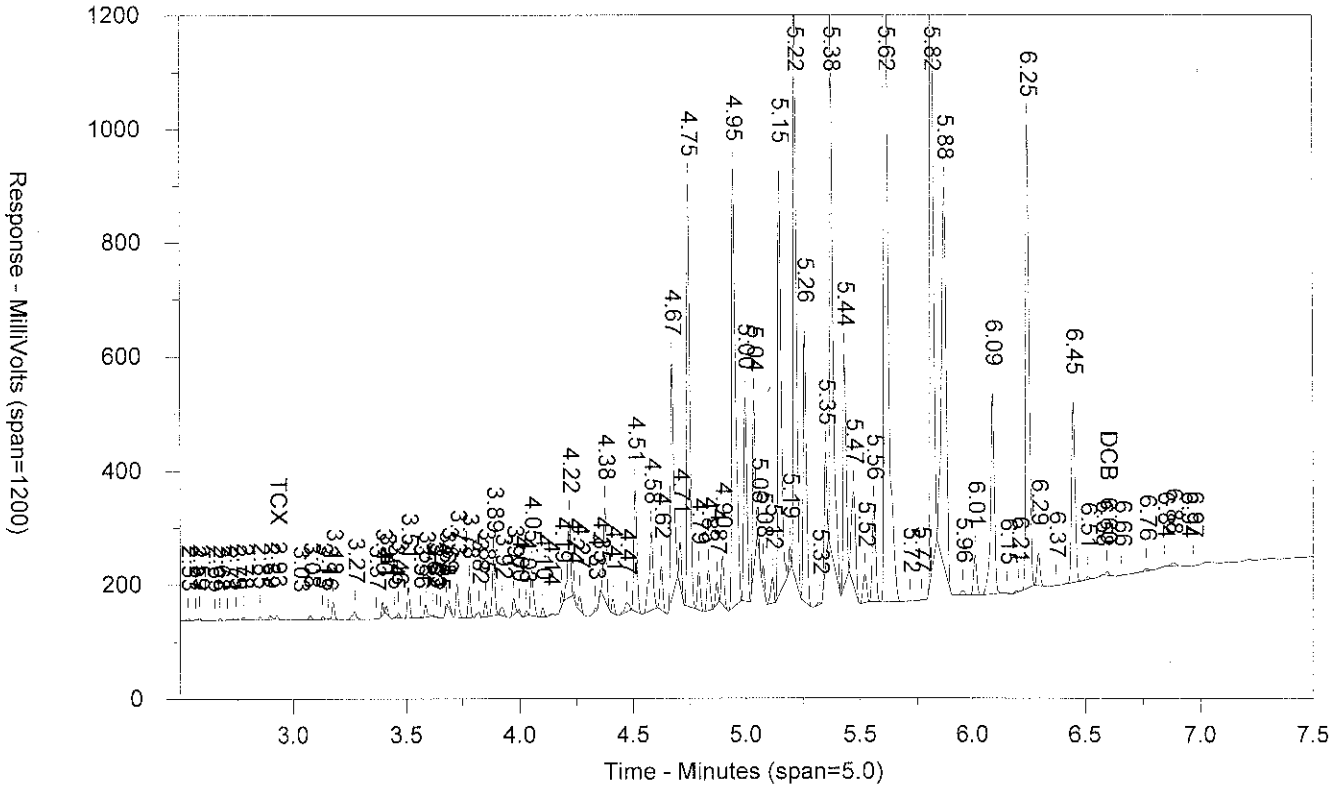
RT B	Compound B	Height B	Area B
2.095		10438	28194
2.19		5394	7639
2.227		1667	1850
2.302		5001	4616
2.343		8962	7676
2.414		5702	6277
2.469		19754	88300
2.547		37736	94088
2.592		1987	1852
2.626	TCX	1341	852
2.658		14036	14857
2.714		2352	2276
2.785		17342	16895
2.847		13127	13367
2.898		61863	41437
2.986		3434	2153
3.009		25839	16519
3.078		901	504
3.105		31087	15295
3.116		18647	8262
3.157		5742	3310
3.178		20861	13184
3.202		940	177
3.228		104491	69049
3.263		46891	29410
3.311		10273	6043
3.324		5914	2942
3.352		2274	761
3.375		20078	9402
3.384		35606	14780
3.405		11775	5334
3.425		72882	71244
3.476		508	193
3.493		114342	77470
3.528		55965	33133
3.551		207937	119606
3.568		1763	404
3.583		33184	23419
3.609		5841	2482
3.639		1168	2341
3.655		69488	44244
3.677		34883	19696
3.698		23177	12987
3.727		155358	92742
3.744		11618	4237
3.756		18203	8691
3.783		47555	36226
3.828		124292	124904
3.859		52154	27667
3.875		303824	201968
3.901		26323	14080
3.92		26921	14965
3.94		36341	22429
3.974		350995	246338

RT B	Compound B	Height B	Area B
4.007		58506	34209
4.023		58260	26322
4.036		53288	23953
4.058		1713	850
4.072		20247	11573
4.088		13477	6236
4.108		359821	322638
4.15		25017	16080
4.174		89161	62868
4.216		252087	171785
4.248		935662	698985
4.273		255173	256717
4.325		1731105	1323428
4.365		148818	111309
4.395		59049	37768
4.419		212883	146685
4.435		29771	13648
4.461		1725145	1330711
4.563		1736885	1536869
4.616		342199	272165
4.656		508834	417549
4.69		994055	823929
4.722		2352888	1768205
4.76		1094842	826776
4.821		2883	1579
4.859		494073	396785
4.91		2225150	1822584
4.934		50980	28974
4.982		796039	812155
5.019		284685	218604
5.049		265565	213113
5.103		4641198	3835254
5.145		57564	42342
5.176		291816	246373
5.255		4057	4050
5.293		79102	52114
5.317		1841581	1470574
5.364		3152938	3070492
5.43		1055	521
5.481		2270	2097
5.517		154313	132149
5.563		24400	14754
5.585		94667	77267
5.634		840067	670306
5.714		966	590
5.74		2124954	1784116
5.771		116035	84698
5.842		3214	5077
5.869		3136	2772
5.906		1953	1613
5.939		926504	787219
5.983		2212	2293
6.015		2499	2416
6.053		4319	3790
6.098	DCB	27950	25061
6.162		23859	51160
6.25		5416	11232
6.276		4886	5581
6.33		1082	1783
6.344		1144	422
6.362		1447	905
6.379		1202	500
6.411		1111	412
6.426		2243	1582
6.492		1007	1645
6.516		2139	1958

RT B	Compound B	Height B	Area B
6.559		635	1014
6.582		1051	166
6.622		2752	3047
6.642		1140	538
6.667		1315	896
6.736		3148	11791
6.775		3030	3723
6.809		1196	825
6.875		4834	11749
6.959		863	581

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.028.RAW



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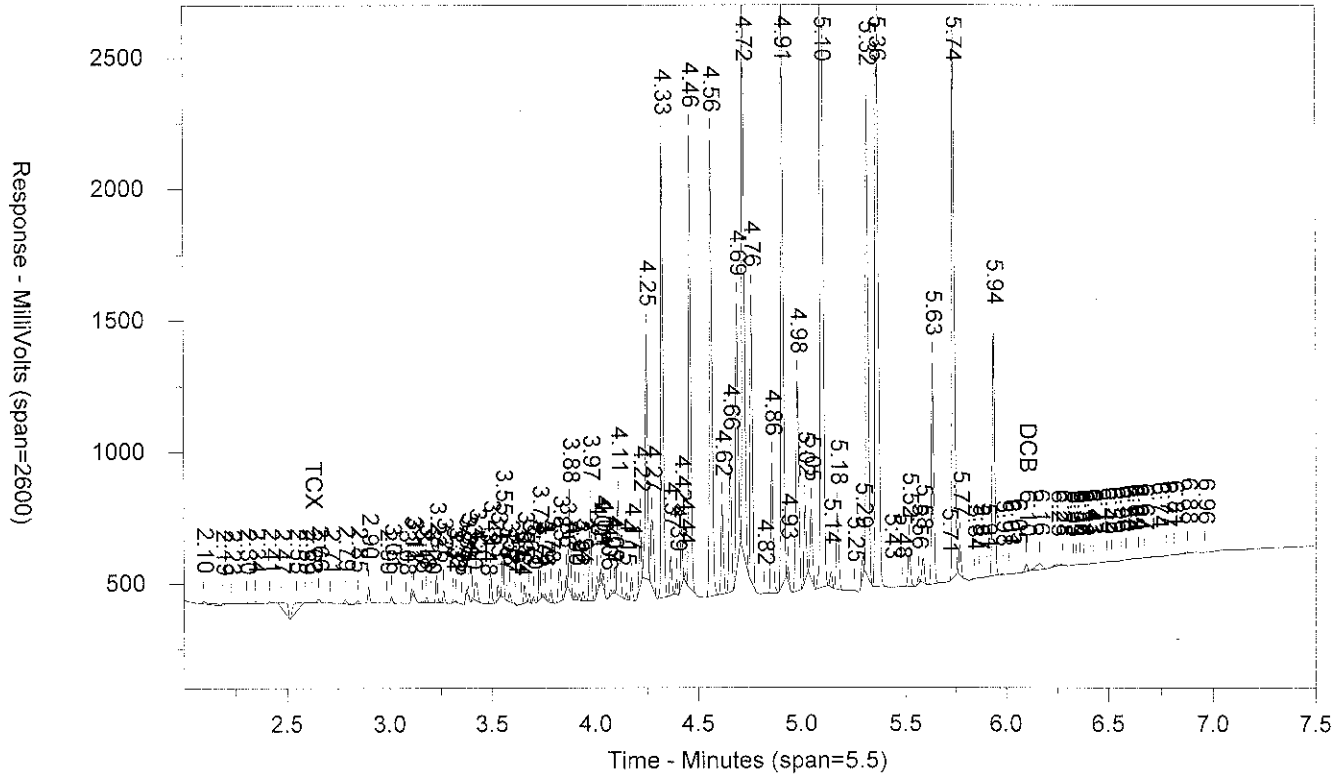

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 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
2.925	7201	.048	TCX	2.626	1341	.005	TCX
6.596	6630	.069	DCB	6.098	27950	.092	DCB

Files:
Area File: 25PCBS17284001.028.RAW
Area File: 25PCBS17284001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:19 PM
File Reported On: 10/12/2017 at 3:37:36 PM

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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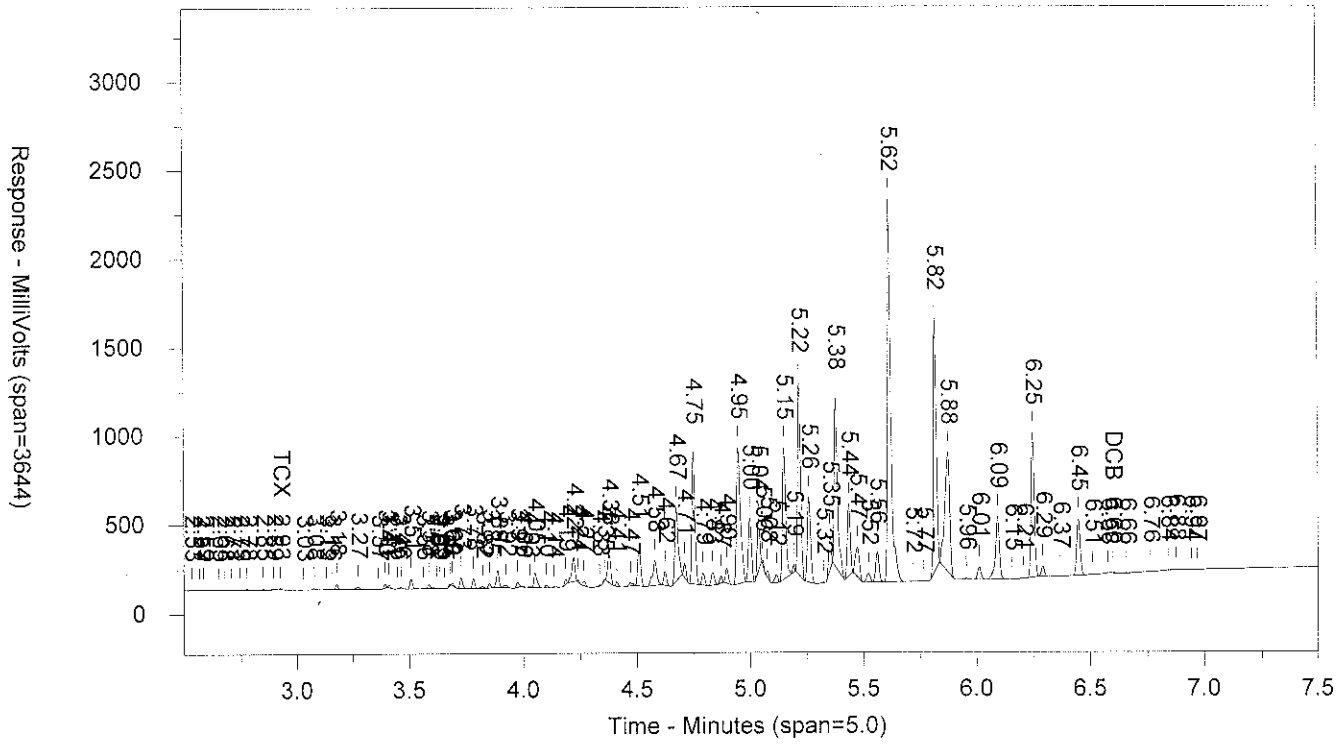

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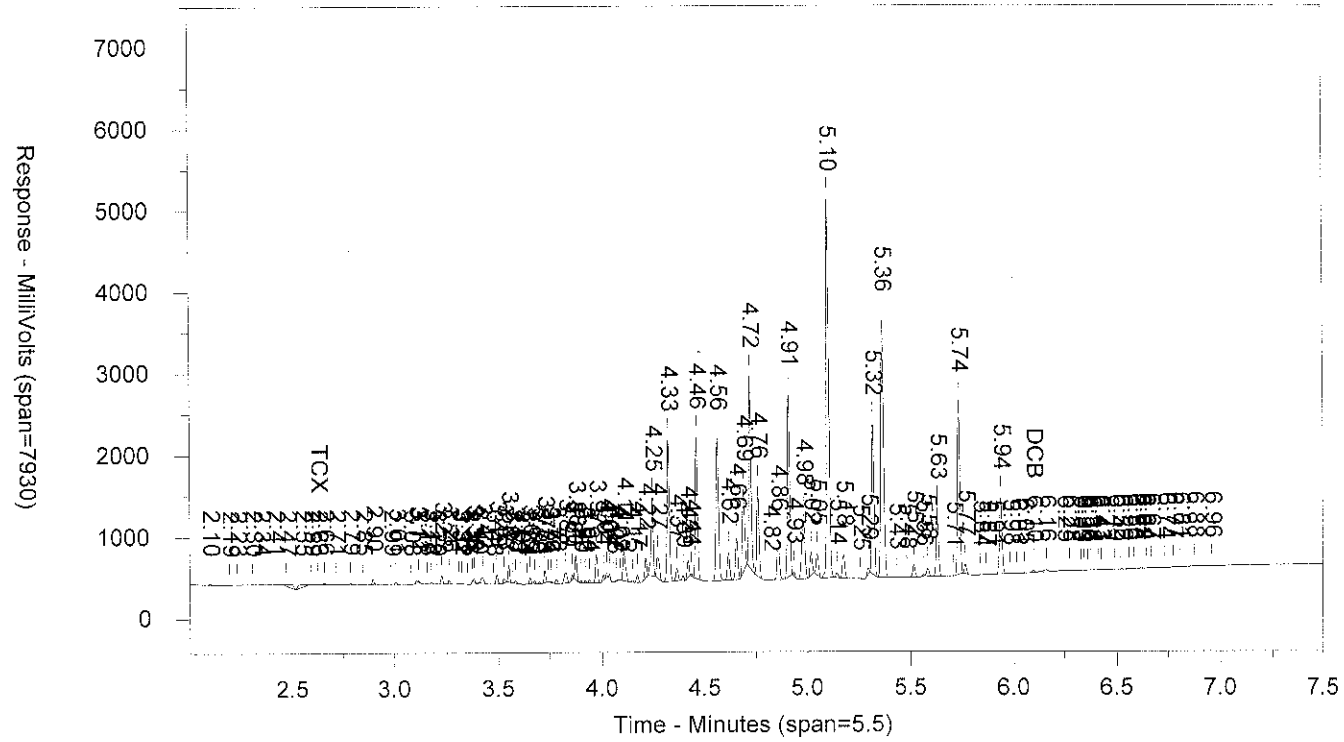

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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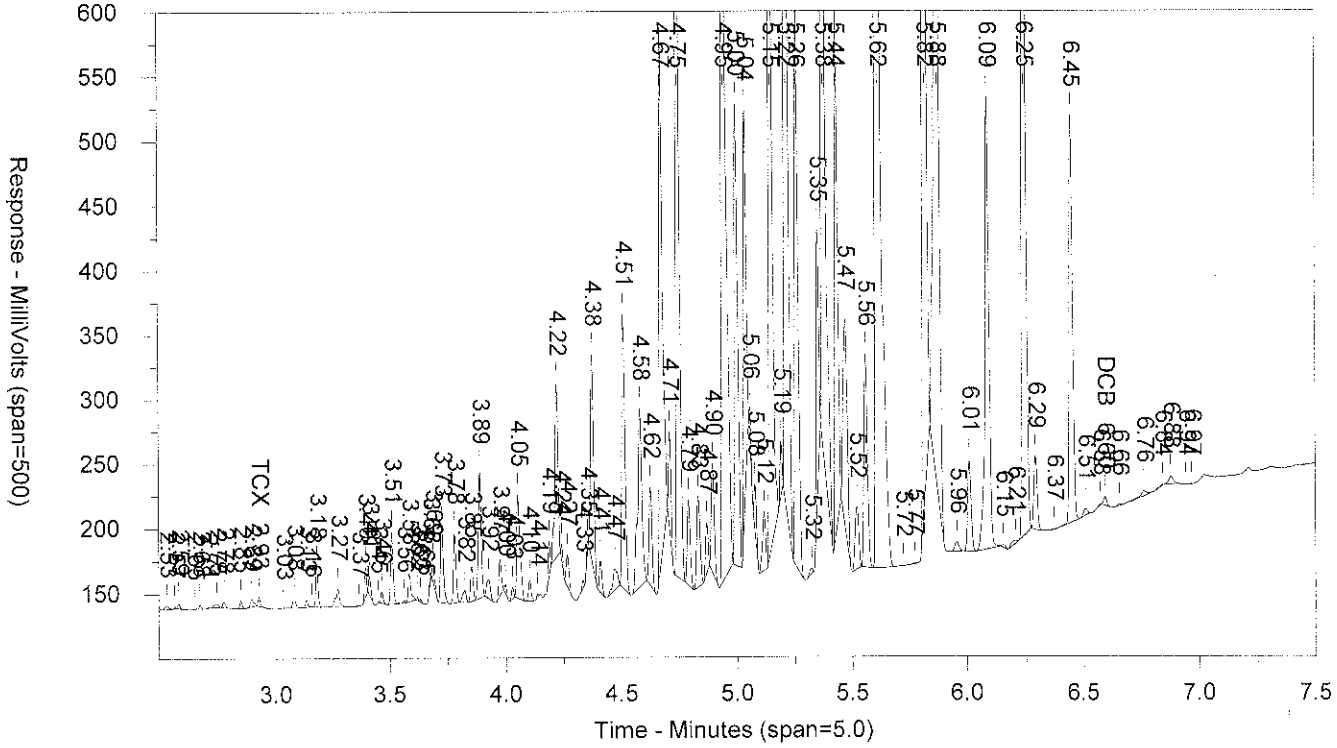

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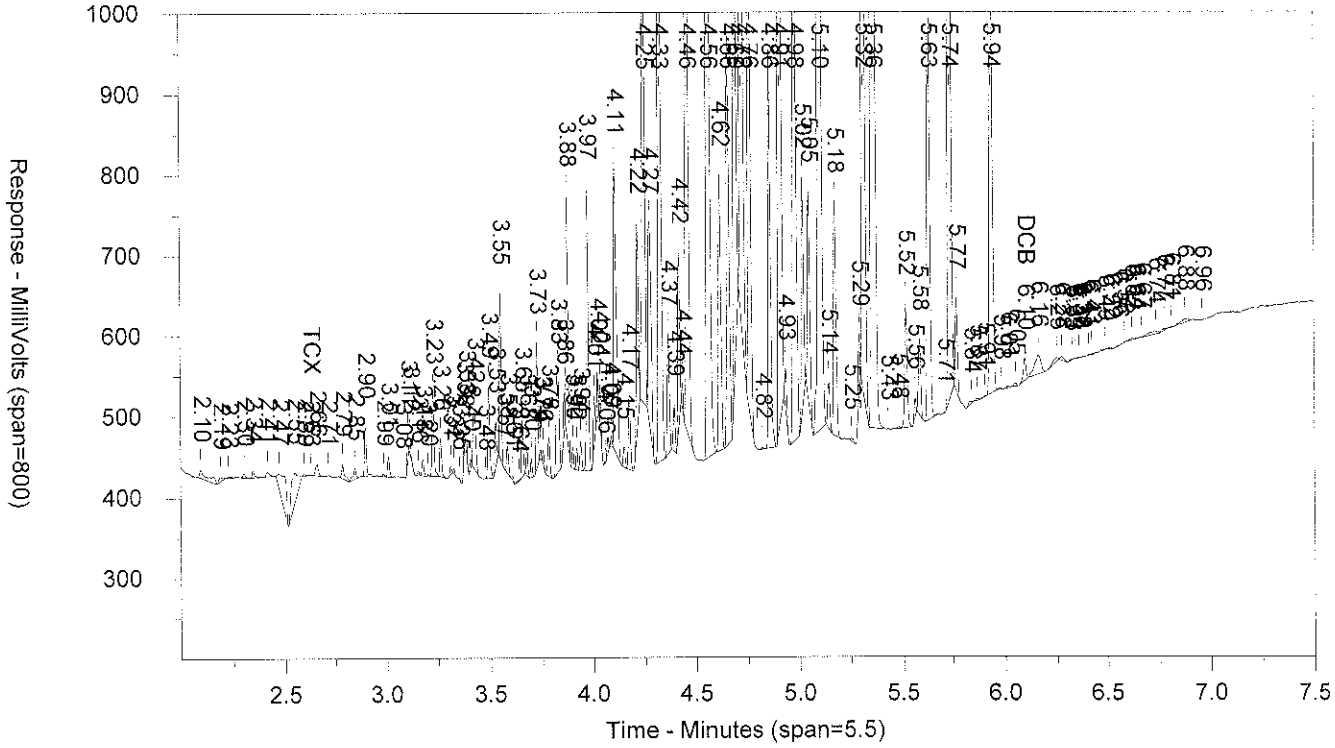

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 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: 25PCBS17284001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		13168	12895
2.088		4262	8482
2.213		673	1120
2.253		775	603
2.295		1112	906
2.329		18251	12804
2.373		768	1316
2.437		711	525
2.489		8955	8374
2.53		1486	1503
2.569		1568	1432
2.652		700	972
2.711		443	411
2.747		2760	3402
2.777		4186	3675
2.849		3870	2836
2.894		7339	6435
2.925	TCX	4619	4142
2.993		547	1024
3.077		2308	1964
3.133		2397	2227
3.178		20867	15085
3.26		2228	1196
3.273		8473	4966
3.395		4837	2760
3.413		3929	3365
3.449		465	247
3.464		6579	4639
3.508		37830	29887
3.562		1014	545
3.583		7106	4796
3.601		3240	2155
3.636		770	403
3.655		296	110
3.676		3273	1637
3.687		3109	2571
3.727		39022	30389
3.78		30477	23341
3.823		13275	10263
3.852		8065	6002
3.887		19835	17301
3.925		17522	20006
3.974		9887	6834
3.998		4379	2777
4.029		2782	1788
4.053		53323	56689
4.102		22671	18616
4.136		1683	1107
4.166		1434	823
4.186		5842	3688
4.204		46807	58456
4.242		21395	14567
4.264		13216	10860
4.319		2825	3486

RT A	Compound A	Height A	Area A
4.369		49976	58667
4.408		1492	1364
4.468		23572	20977
4.51		163467	153406
4.566		44429	49327
4.608		640	270
4.624		3980	2731
4.674		9063	7071
4.708		35301	30790
4.749		37741	34762
4.792		109101	100624
4.832		36415	32448
4.872		171680	172219
4.962		38907	42225
4.999		80462	72751
5.035		9880	7953
5.057		17214	13314
5.082		2423	1255
5.112		80271	75494
5.153		30663	26545
5.192		91436	68255
5.219		366234	349565
5.262		55663	51996
5.323		5788	5968
5.354		55374	45353
5.381		99885	64469
5.401		386333	334756
5.437		22329	14903
5.464		165375	176199
5.516		102734	106620
5.561		14816	15390
5.616		193215	156430
5.64		216501	177195
5.721		3251	3195
5.821		2453717	2457307
5.878		2211002	2416444
5.957		6109	7826
6.012		2056730	2042226
6.076		572697	706790
6.156		1898	1543
6.213		597	3089
6.245		892549	877817
6.289		7494	6699
6.327		4179	4054
6.397		1141	1918
6.449		6833717	6911900
6.51		3577	4276
6.597	DCB	1391008	1446910
6.656		4299	3616
6.689		696	422
6.712		823	238
6.742		774	469
6.766		2743	3441
6.836		496	1011
6.88		4665	5411
6.905		2699	2441
6.944		764	250
6.964		639	338

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 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: 25PCBS17284001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.156		4755	5423
2.207		4456	10763
2.235		3132	2875
2.27		1423	1060
2.301		3606	3586
2.365		1811	2156
2.416		3102	4294
2.464		10630	76879
2.547		41892	130548
2.658		8672	9110
2.714		2943	2942
2.785		5954	9066
2.848		5078	7007
2.898		41955	29519
3.009		23725	19117
3.076		928	425
3.088		2350	999
3.106		5561	2756
3.116		6368	6206
3.156		2478	1560
3.177		14725	9745
3.203		967	223
3.228		77608	50044
3.263		13927	8816
3.314		10159	10409
3.35		2676	1796
3.375		5800	3357
3.384		7655	3013
3.404		5663	2509
3.426		62758	47693
3.473		460	83
3.494		67784	44350
3.536		21716	19433
3.551		45596	24048
3.567		1801	496
3.584		33242	30150
3.635		1909	2879
3.655		28035	18051
3.677		15311	8772
3.699		7808	4335
3.727		111812	65725
3.743		3018	832
3.756		30699	16941
3.784		56644	38531
3.831		129613	101944
3.859		61587	37457
3.878		73639	45765
3.901		18935	10263
3.92		8978	5191
3.944		7541	4768
3.975		6921	4245
4.023		108393	110985
4.089		26612	15262
4.108		277193	215601

RT B	Compound B	Height B	Area B
4.15		85275	55979
4.174		11846	6933
4.217		38951	30533
4.236		4110	2140
4.248		18418	10269
4.277		15795	15590
4.327		156329	138861
4.366		239789	195285
4.418		38864	21508
4.436		308560	236085
4.563		236050	208581
4.616		78420	64439
4.663		172696	154830
4.692		31043	21493
4.723		845278	829288
4.761		103671	69454
4.822		991	739
4.86		133832	104647
4.909		1401156	1169023
4.936		50312	31534
4.975		335148	322789
5.02		25318	16886
5.035		3781	1340
5.054		163719	132089
5.103		492699	412609
5.176		498755	440001
5.233		1396	493
5.256		5763	6018
5.294		59677	35459
5.318		5490231	4357001
5.365		5573608	4631851
5.466		1823	1183
5.517		5079911	4130071
5.585		1386425	1134787
5.634		336893	279452
5.668		2587	1975
5.74		2231251	1890122
5.771		15774	10288
5.797		2893	2596
5.865		12622	23026
5.938		20277330	17001600
6.02		2141	1278
6.051		3938	3411
6.097	DCB	4446265	3669211
6.158		19743	33020
6.253		3904	6133
6.273		12207	11129
6.352		649	4316
6.404		1843	561
6.433		11302	10466
6.476		1032	624
6.508		1101	519
6.522		1904	878
6.611		1752	6639
6.626		912	405
6.679		1234	223
6.718		1774	1110
6.734		1684	1391
6.77		801	909
6.789		1411	518
6.876		1185	1181
6.9		1410	1761
6.964		1406	1229

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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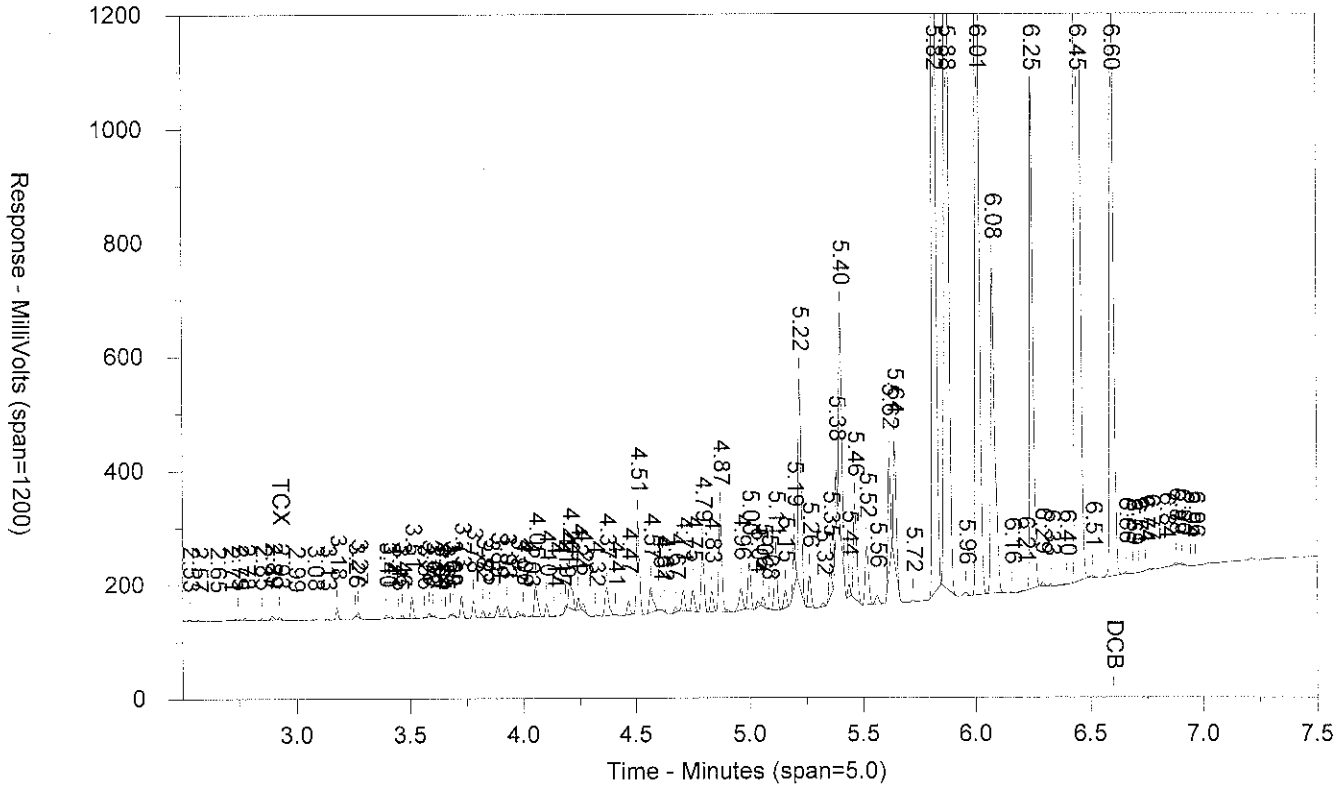

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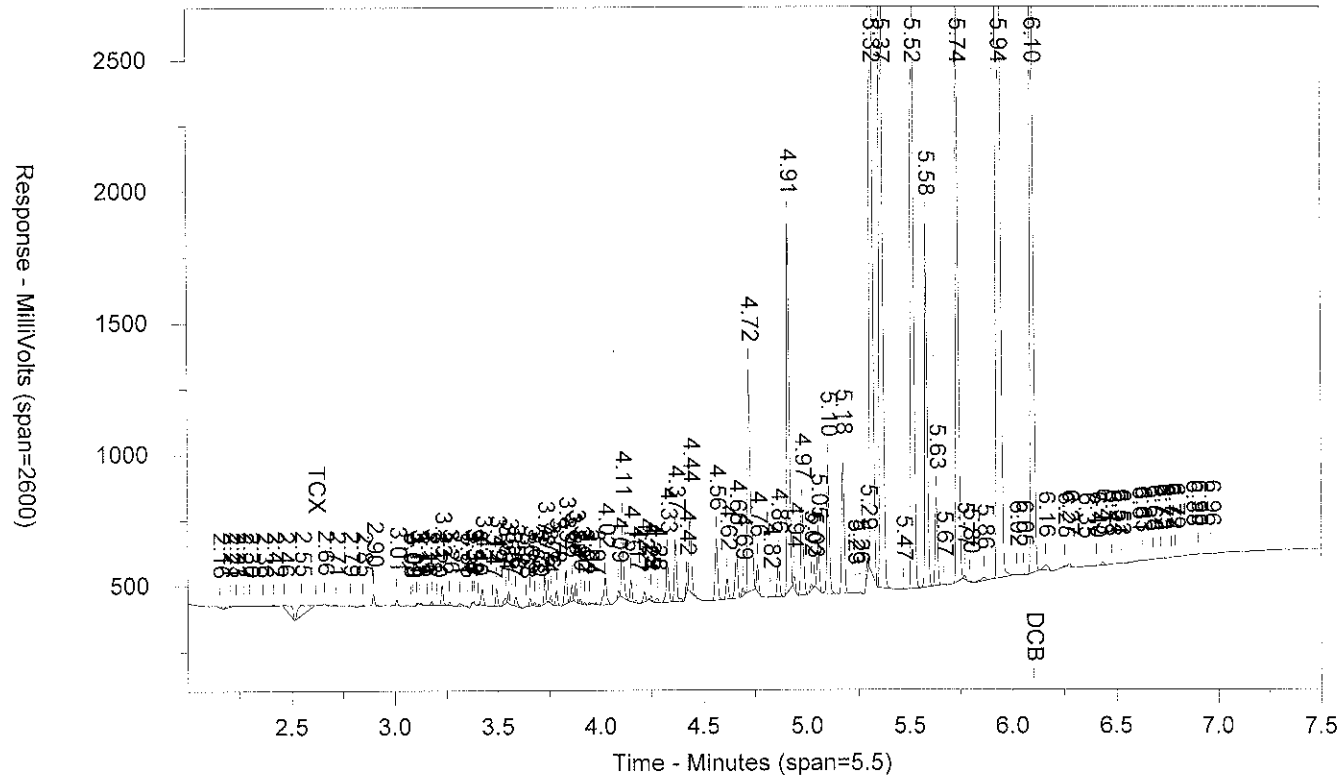

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:34:03 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
2.925	4619	.031	TCX		0		TCX
6.597	1391008	14.431	DCB	6.097	4446265	14.687	DCB

Files:
Area File: 25PCBS17284001.029.RAW
Area File: 25PCBS17284001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:37:52 PM

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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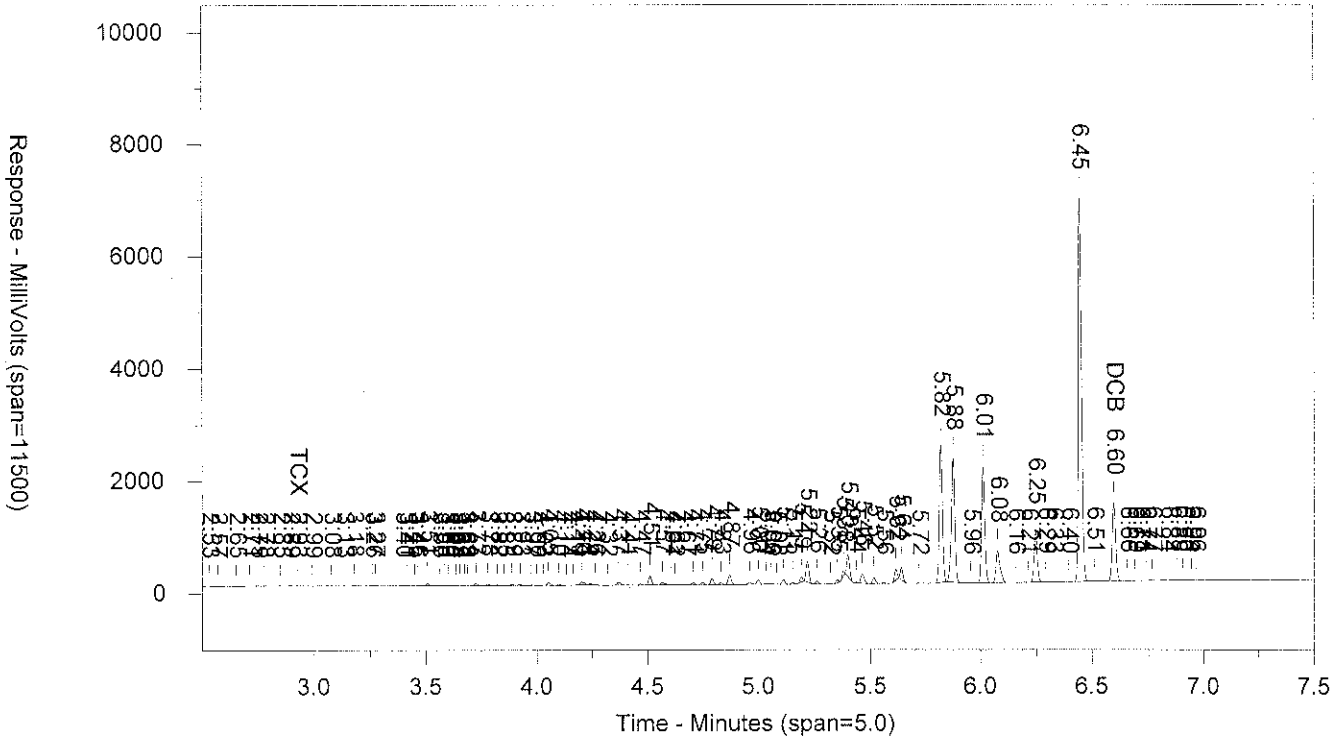

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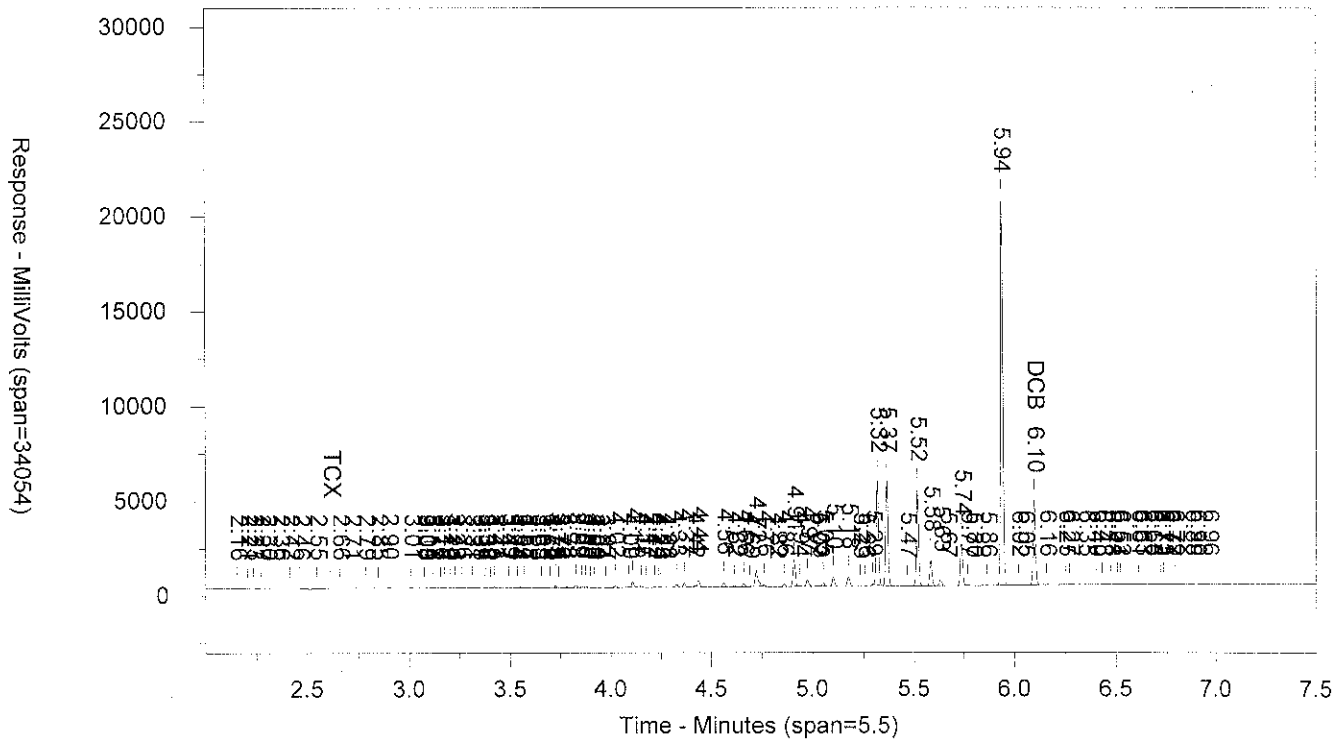

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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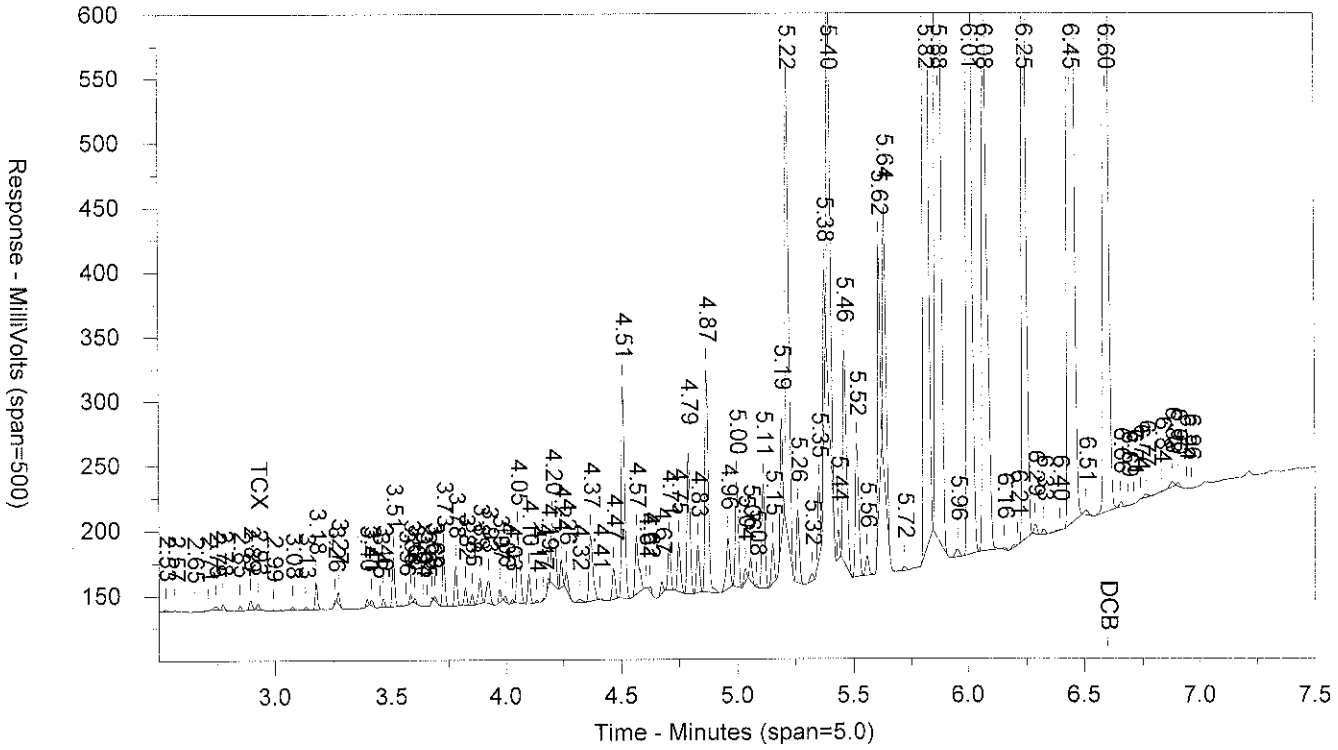

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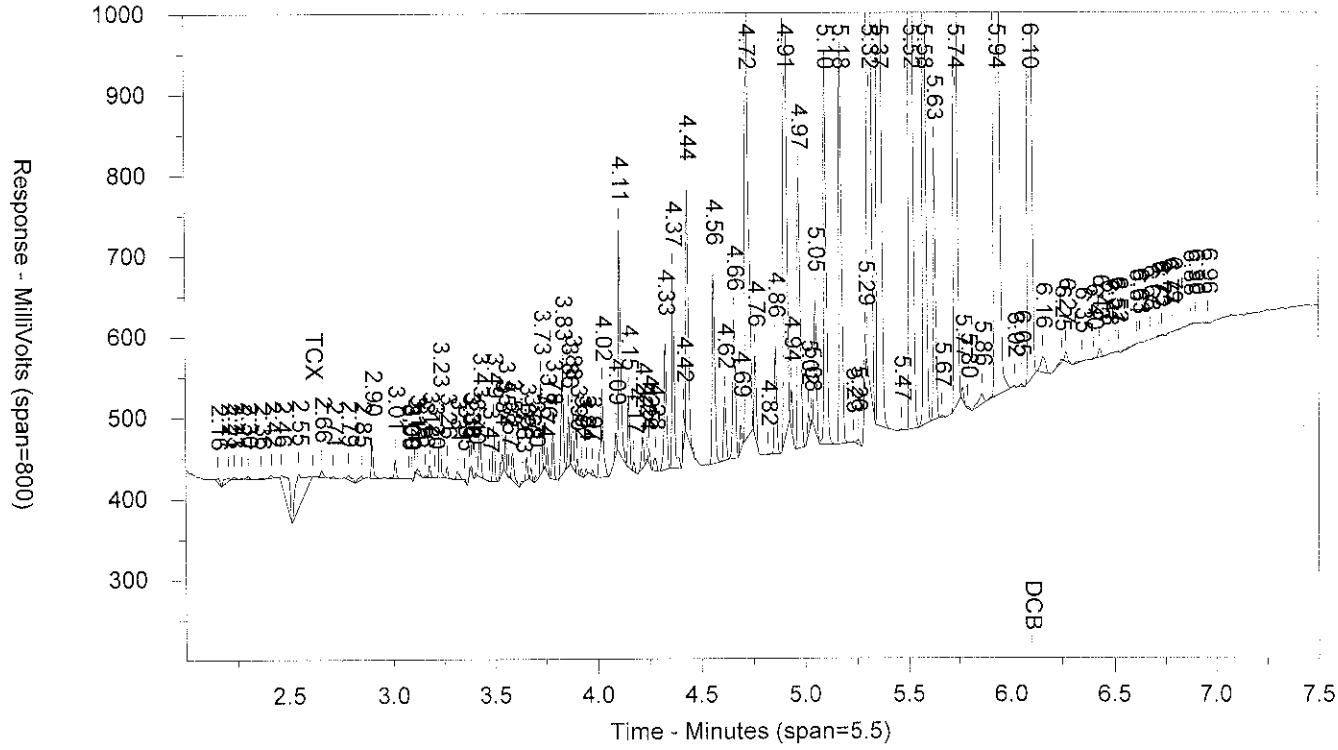


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 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: 25PCBS17284001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.011		488	160
2.035		12243	11802
2.088		8575	23480
2.231		42041	33551
2.296		836	729
2.338		22139	26111
2.431		3976	3348
2.491		8231	8649
2.53		1872	1627
2.569		15955	12555
2.681		482	258
2.711		383	243
2.748		2345	3223
2.778		9612	9298
2.843		2309	1993
2.896		5623	4110
2.93	TCX	9192271	6345238
3.027		2597	1606
3.048		675	397
3.078		119985	102617
3.129		151672	144576
3.18		481572	352222
3.257		12086	6246
3.273		56912	36229
3.315		1805	1327
3.366		428	280
3.395		446448	264415
3.412		192435	105588
3.449		50214	28160
3.465		9873	4119
3.475		16857	8508
3.51		552303	440188
3.546		1720	773
3.566		17681	10410
3.585		20100	11908
3.619		109020	62298
3.634		51616	26091
3.677		190517	115416
3.688		483727	257969
3.725		605948	486634
3.782		532854	411365
3.823		48087	34031
3.851		316452	236430
3.879		222700	189715
3.9		51144	26901
3.927		5634	3553
3.974		366368	270297
3.997		121882	79785
4.03		150298	106114
4.062		389744	394241
4.102		133833	108522
4.149		15648	12856
4.188		18970	13351
4.221		120388	84721

RT A	Compound A	Height A	Area A
4.24		98840	64243
4.263		101717	76399
4.321		788	640
4.333		2041	1231
4.368		42114	51589
4.409		1897	1258
4.468		6034	5463
4.515		20560	21419
4.566		25561	26978
4.61		4809	5703
4.708		8103	8828
4.792		4579	4721
4.833		5733	5454
4.871		105106	103344
4.964		11805	13497
5		6682	5778
5.035		714	628
5.058		15948	14841
5.112		137376	136744
5.154		1162	1050
5.193		5405	5100
5.271		537	569
5.322		6281	8150
5.358		2618	1866
5.38		3572	2425
5.402		1757	1606
5.44		2576	2011
5.473		12033	16926
5.516		82096	84372
5.577		378	199
5.64		162480	167055
5.728		785	989
5.753		320	100
5.763		391	146
5.822		6883	8048
5.868		6388	8020
5.957		5338	8378
6.012		134061	136646
6.076		198171	240052
6.137		539	133
6.209		604	222
6.244		5573	7300
6.285		2177	2006
6.323		406	466
6.334		650	251
6.383		1264	1842
6.45		98977	102530
6.51		4195	5729
6.598	DCB	5271977	5381576
6.673		660	290
6.7		478	249
6.727		670	379
6.765		2712	3445
6.808		536	310
6.839		662	804
6.856		687	268
6.879		6240	12351

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 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: 25PCBS17284001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

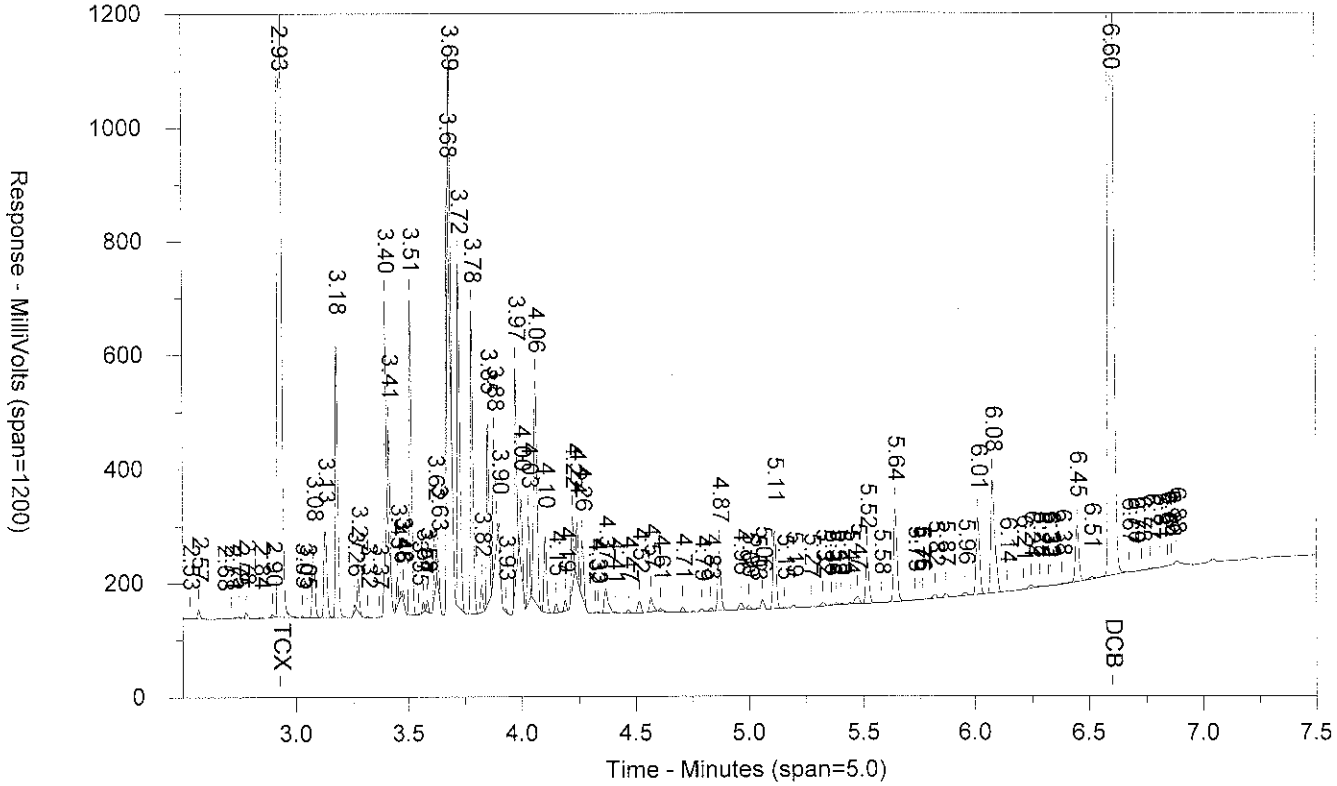
RT B	Compound B	Height B	Area B
2.055		35393	27775
2.144		10426	15952
2.187		5291	4028
2.207		2080	1433
2.302		30002	21929
2.41		3023	3494
2.496		11321	17600
2.548		20784	22261
2.572		4209	2136
2.615	TCX	16646250	9726203
2.658		97765	72855
2.786		246944	173244
2.833		153119	75496
2.847		136492	66657
2.898		872589	539528
2.948		35012	20162
3.01		128892	81451
3.064		916	350
3.07		995	461
3.082		692	108
3.105		656781	323267
3.116		225485	81924
3.157		131315	78104
3.178		82762	47155
3.203		83610	45789
3.227		1027862	685908
3.264		50804	28622
3.291		42741	21645
3.31		247439	129245
3.325		133122	65955
3.352		3560	1837
3.375		570348	244754
3.385		1041980	438168
3.405		43497	16897
3.419		999121	685178
3.493		1093504	676410
3.528		695948	421503
3.551		761993	426008
3.569		253055	129192
3.634		806	1015
3.655		934480	601807
3.678		334049	189674
3.699		347591	205106
3.727		239688	121129
3.744		737205	452040
3.785		293788	208405
3.833		37986	31540
3.854		208040	129050
3.877		424903	272532
3.901		191647	116454
3.92		33423	17169
3.943		9321	7451
3.976		17670	11251
4.01		13844	7563

RT B	Compound B	Height B	Area B
4.024		49109	33395
4.091		11529	11840
4.108		12087	6828
4.132		21375	12740
4.151		53480	33708
4.218		17490	12116
4.236		2128	1247
4.33		18425	15471
4.366		11015	8582
4.437		212697	192357
4.48		1115	587
4.563		28908	28114
4.618		39599	30904
4.664		278802	228820
4.712		1494	1707
4.74		9228	7929
4.767		1443	902
4.861		2210	2089
4.911		14768	12039
4.937		7473	5857
4.976		23865	20651
5.021		6005	3649
5.037		5865	2857
5.056		124959	99331
5.104		1436	855
5.145		902	302
5.177		289016	249894
5.295		4404	3895
5.318		8172	6762
5.365		21093	20092
5.432		775	1065
5.474		1392	974
5.517		287419	254961
5.585		442602	378256
5.634		101887	88169
5.716		2290	2028
5.743		5216	4325
5.793		3289	4731
5.846		1418	2725
5.875		1318	1620
5.892		1941	587
5.939		265428	225988
5.972		5334	3390
5.989		2024	1137
6.018		2532	1523
6.058		4282	4567
6.097	DCB	15748120	13989980
6.157		13069	19244
6.249		7012	17031
6.337		1198	2360
6.373		1140	1804
6.389		1521	368
6.433		3147	4590
6.482		1750	1462
6.503		2341	2498
6.548		18053	15278
6.581		1504	943
6.617		1532	1724
6.628		1071	616
6.681		1592	2584
6.725		4337	6279
6.766		1172	334
6.791		1148	900
6.85		1846	2425
6.887		2001	2096
6.926		866	443

RT B	Compound B	Height B	Area B
6.936		1294	420
6.99		1631	914

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.030.RAW



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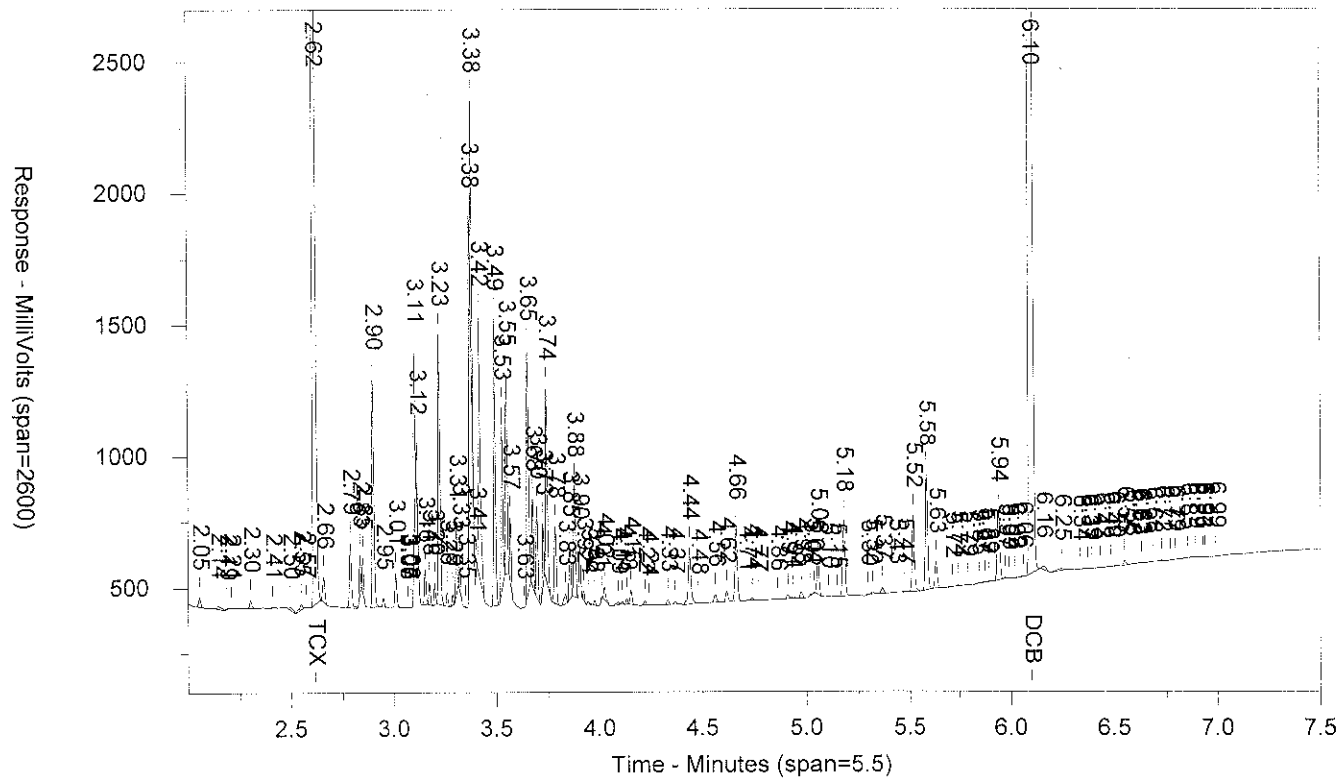

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 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
2.93	9192271	60.928	TCX	2.615	16646250	61.101	TCX
6.598	5271977	54.693	DCB	6.097	15748120	52.019	DCB

Files:
Area File: 25PCBS17284001.030.RAW
Area File: 25PCBS17284001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:38:08 PM

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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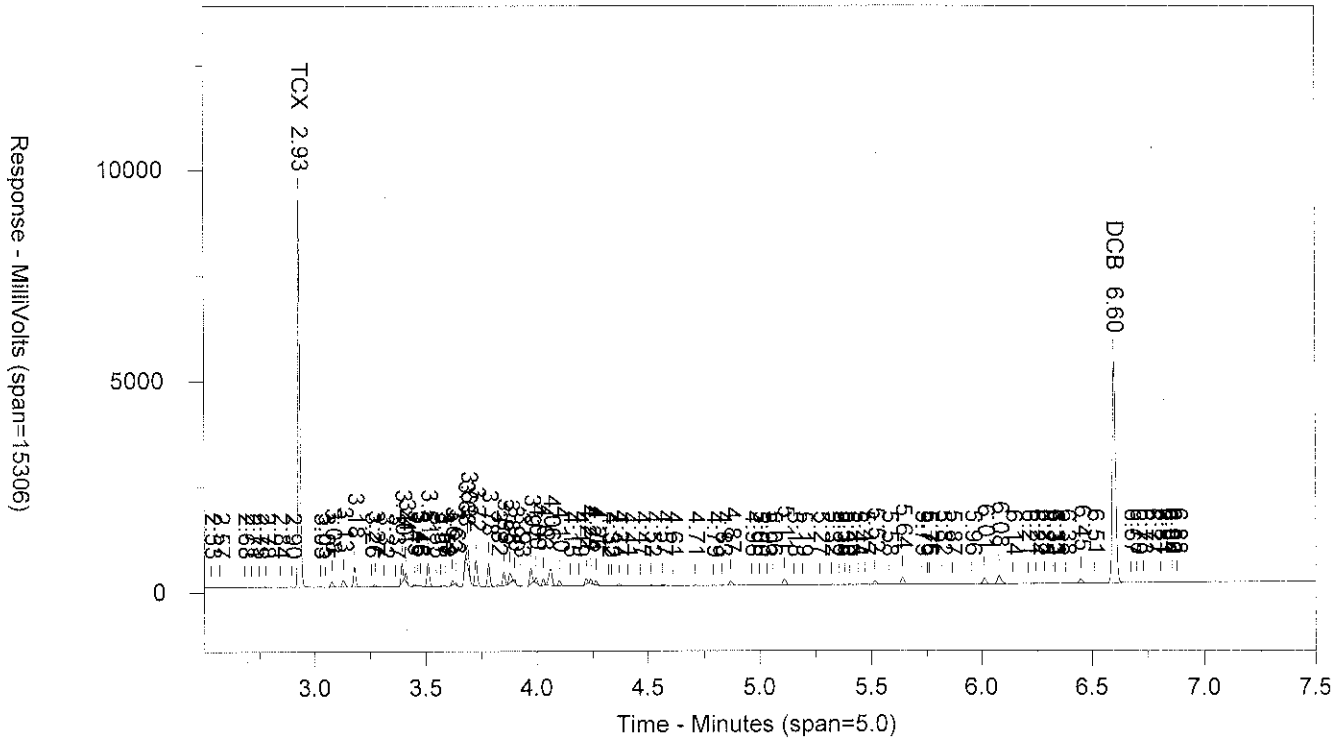

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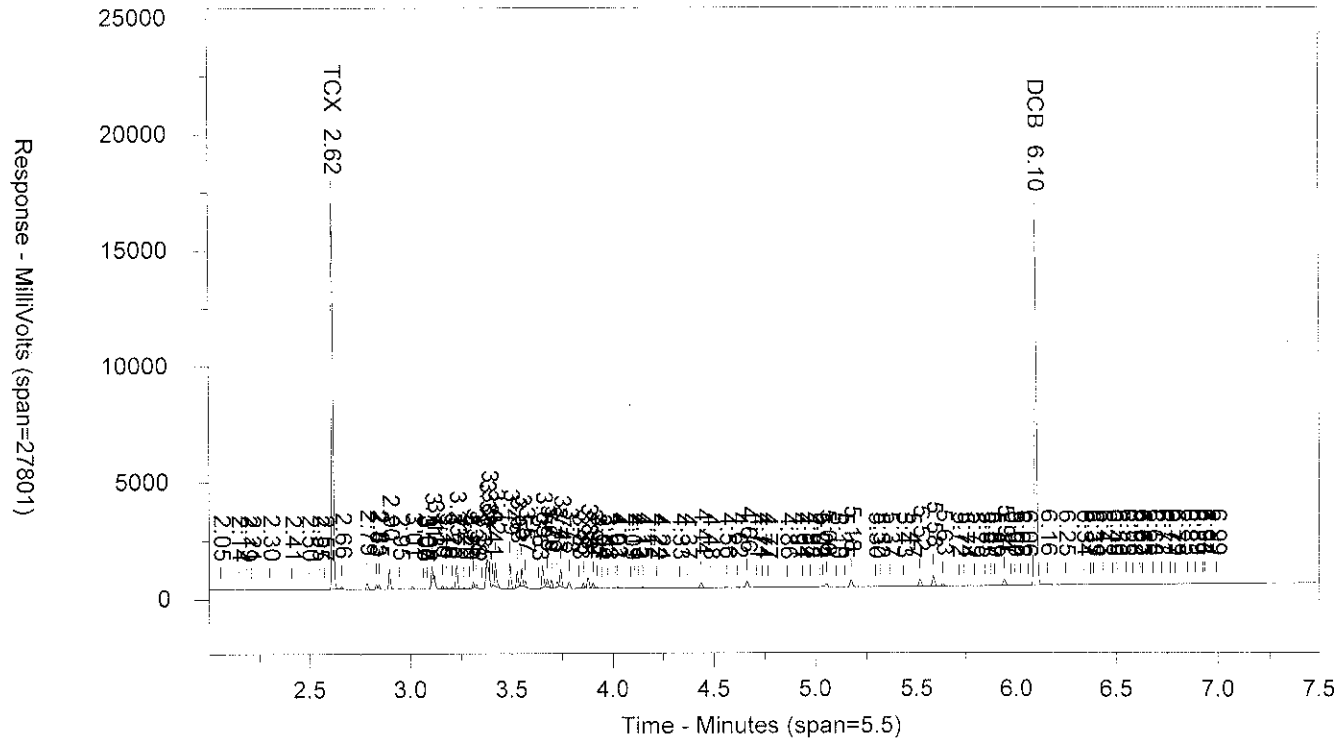

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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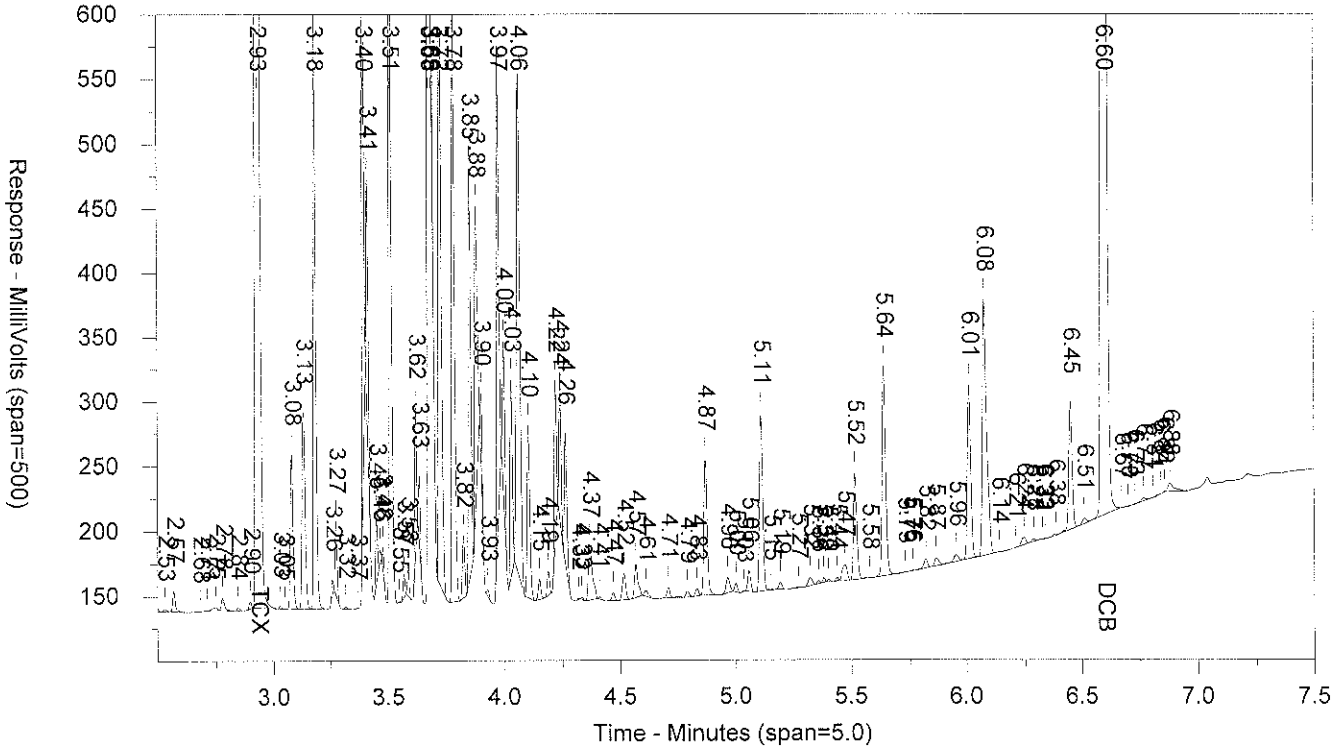

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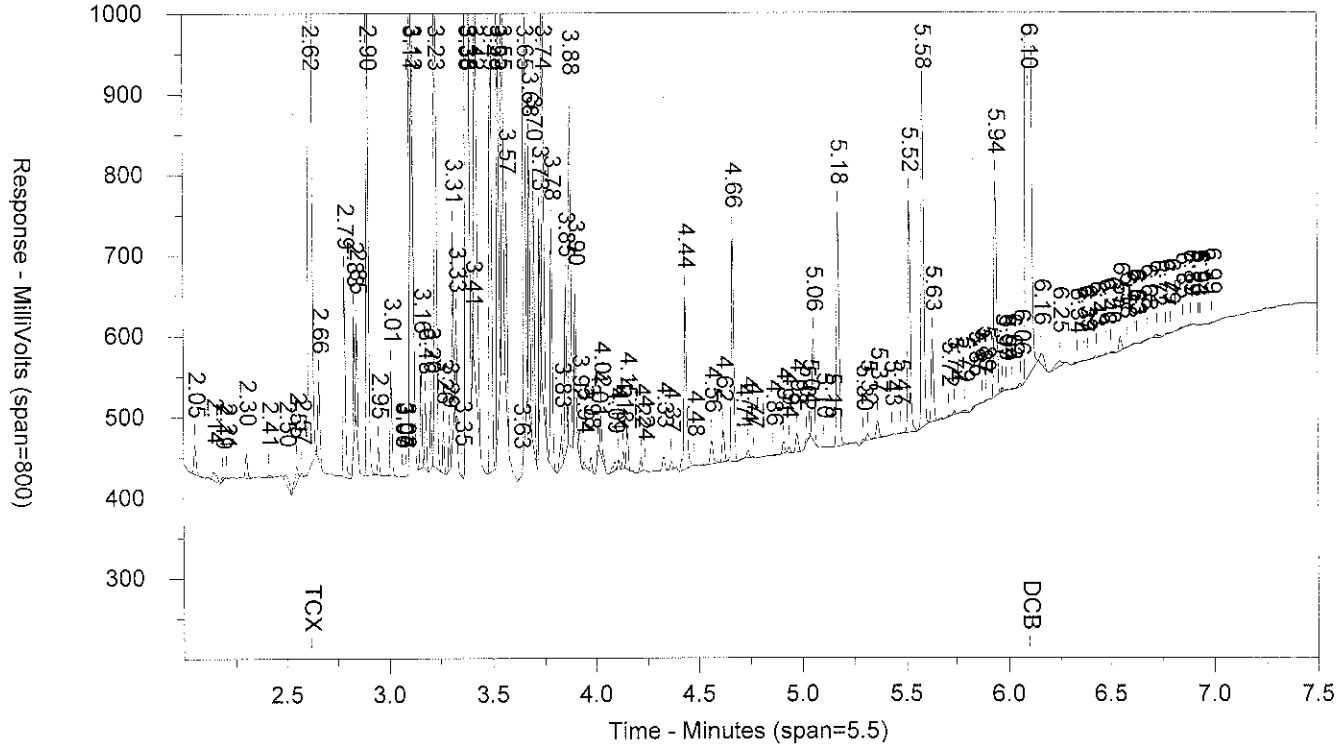

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 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: 25PCBS17284001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		10485	10001
2.089		14508	38709
2.299		858	819
2.33		9474	6353
2.373		748	742
2.403		488	301
2.49		7050	6953
2.529		1614	1655
2.656		503	470
2.698		335	746
2.746		2766	3144
2.778		19127	18908
2.853		493	314
2.895		5420	4827
2.93	TCX	58171	41048
3.022		520	745
3.077		3845	3915
3.134		3620	3107
3.181		15157	10938
3.241		206	156
3.262		5472	7688
3.34		284	220
3.366		618	465
3.398		13741	8126
3.415		6407	3569
3.452		1305	692
3.48		1063	1204
3.512		17890	15068
3.589		704	392
3.607		2725	1721
3.623		2045	887
3.638		1518	642
3.682		7765	4437
3.693		12472	6368
3.73		19669	15125
3.786		16979	12684
3.827		1164	739
3.855		11239	8172
3.885		8815	12774
3.931		4767	4624
3.978		11466	8337
4.002		4124	2563
4.035		4622	3468
4.066		11956	13041
4.106		3802	3156
4.172		2950	2172
4.226		12925	12833
4.271		8726	10128
4.338		1584	1235
4.38		12445	13241
4.413		855	528
4.468		444	313
4.516		5805	5800
4.569		1676	911

RT A	Compound A	Height A	Area A
4.586		2819	1522
4.629		8228	11008
4.679		10933	11513
4.715		2645	1932
4.754		26189	25391
4.8		1120	1018
4.839		4045	4125
4.876		876	615
4.9		5221	4626
4.952		29628	44009
5.003		5113	4287
5.043		13724	15489
5.084		494	212
5.123		2939	3807
5.156		36190	36432
5.197		876	471
5.224		18238	16511
5.266		10632	10528
5.328		4982	6170
5.359		4612	3192
5.385		19282	17706
5.442		9380	9459
5.48		5231	5262
5.522		1468	1701
5.564		6239	6442
5.62		47782	43318
5.654		4071	4225
5.732		481	741
5.766		443	409
5.824		32284	29914
5.88		8264	14628
5.958		4698	7574
6.019		1537	1525
6.096		6008	8439
6.161		903	1364
6.25		17262	19832
6.286		608	488
6.322		495	180
6.4		523	1140
6.454		4325	5183
6.517		3634	5042
6.604	DCB	47457	55023
6.642		585	180
6.666		622	145
6.774		2159	3382
6.812		685	270
6.886		9055	27956
6.986		782	318

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 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: 25PCBS17284001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		2218	1560
2.155		4668	4777
2.234		1153	11756
2.411		2949	3478
2.465		3311	2400
2.547		37267	31979
2.613	TCX	114190	68779
2.659		4135	3864
2.712		2597	2159
2.784		7886	8914
2.846		8465	10560
2.898		31015	20276
3.009		4242	4620
3.074		528	242
3.089		1168	422
3.104		22317	10186
3.116		8780	3231
3.156		4084	2574
3.178		3133	1840
3.202		2509	1343
3.227		35691	23309
3.249		1166	274
3.265		3321	2069
3.279		914	287
3.29		795	113
3.311		8013	4285
3.326		5858	3077
3.35		1478	1283
3.376		19046	8512
3.386		31684	13221
3.406		1748	626
3.419		34035	23580
3.454		969	363
3.469		634	181
3.494		35691	23895
3.53		26180	16169
3.553		34313	18892
3.571		8215	3824
3.61		2253	1412
3.635		953	728
3.657		31623	20827
3.68		11473	6325
3.701		10530	6181
3.731		11031	6041
3.747		21114	13275
3.788		10041	7192
3.833		4687	4251
3.857		7421	4767
3.879		31594	19949
3.905		5891	3567
3.924		1959	759
3.948		11244	9555
3.977		27475	18580
4.011		1658	693

RT B	Compound B	Height B	Area B
4.025		4323	2871
4.08		9385	8278
4.111		10688	11835
4.153		3854	3171
4.178		6745	5111
4.22		8421	5046
4.24		4426	2501
4.251		17971	10550
4.277		10459	10040
4.329		63329	49402
4.371		3301	3151
4.397		5179	3181
4.423		14837	13527
4.465		65008	53365
4.516		1439	688
4.566		52149	54584
4.62		8151	6149
4.659		15036	14716
4.694		50965	42944
4.726		31936	23621
4.764		22223	17973
4.84		1446	1424
4.864		6836	6831
4.913		41051	32090
4.938		4884	3370
4.986		15483	12844
5.023		10916	8348
5.053		8067	6264
5.084		2471	1139
5.107		85510	73225
5.147		1639	979
5.179		5428	5532
5.234		1527	995
5.299		2424	2089
5.32		20412	17254
5.366		60216	64271
5.437		875	788
5.469		2101	1602
5.5		1194	751
5.521		2498	2302
5.588		6670	9620
5.637		14391	14588
5.693		1242	1776
5.744		32436	29499
5.78		1392	894
5.801		3061	3215
5.865		710	4826
5.918		1394	2594
5.942		11997	10349
5.984		2464	1721
6.026		1814	2110
6.059		3906	3782
6.1	DCB	139848	121309
6.163		24555	44727
6.254		6048	16145
6.287		3359	2885
6.323		1165	311
6.353		1146	369
6.369		1448	797
6.387		1592	554
6.45		1733	1582
6.481		1254	896
6.5		749	968
6.522		2051	1595
6.57		1134	447
6.586		982	374

RT B	Compound B	Height B	Area B
6.616		1358	321
6.648		879	451
6.684		959	1703
6.704		934	783
6.739		1729	1354
6.783		1455	2057
6.812		1550	1318
6.846		1313	835
6.907		727	3139
6.918		1954	1780
6.961		1762	1164

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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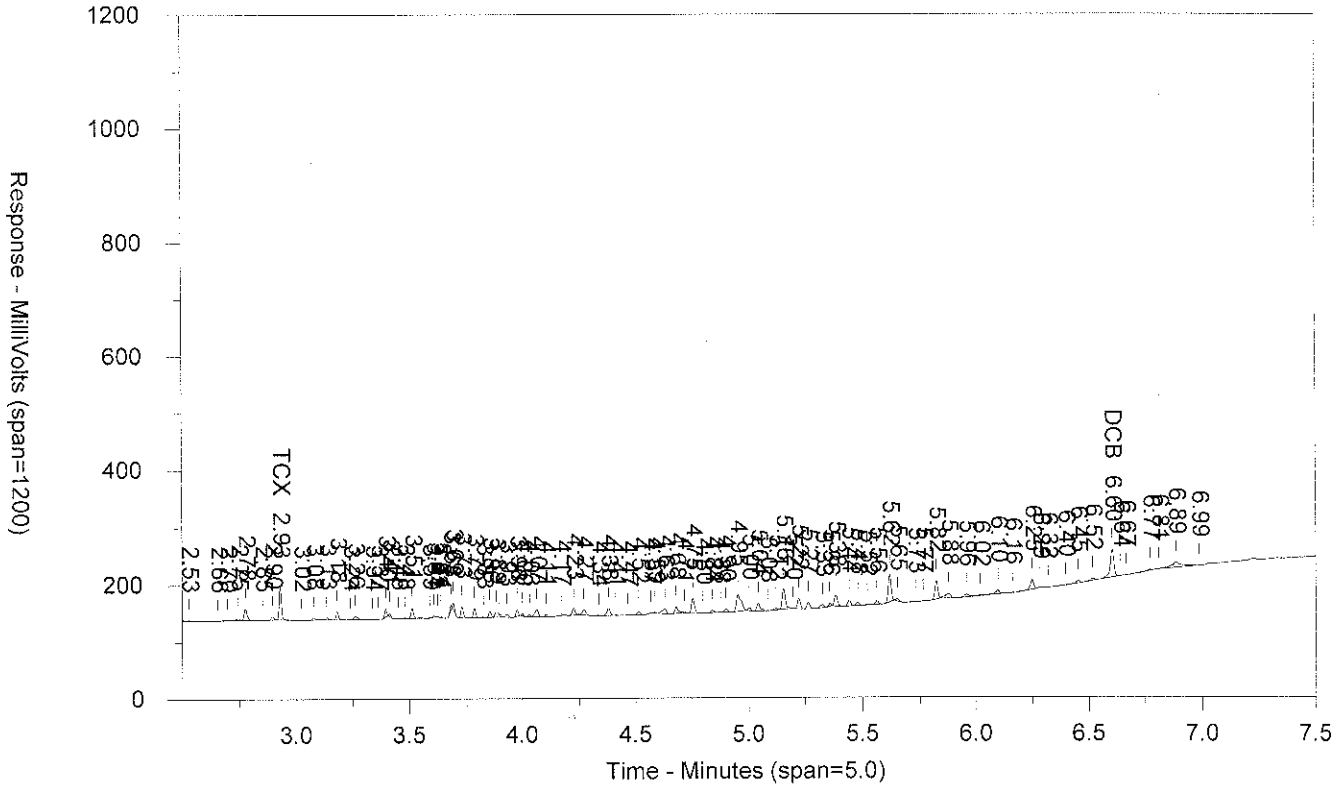

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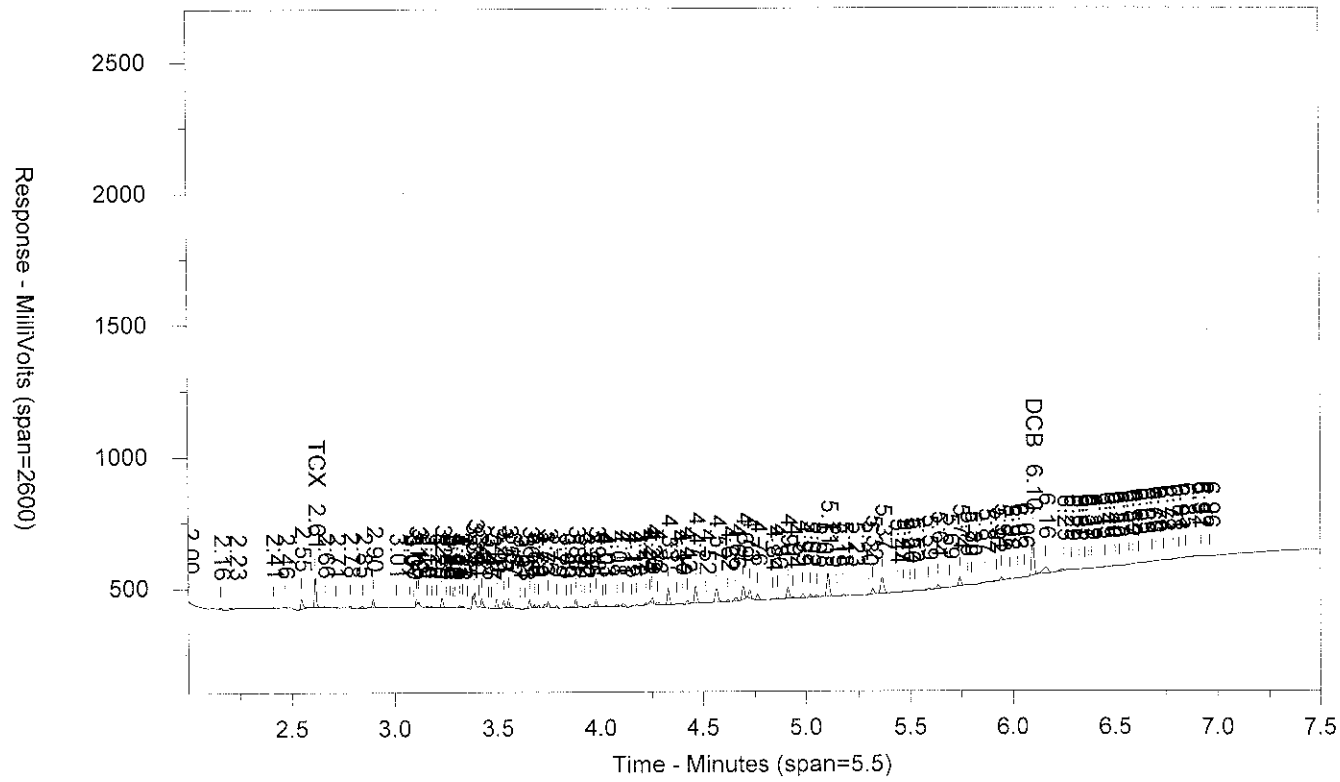

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:57:15 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
2.93	58171	.386	TCX	2.613	114190	.419	TCX
6.604	47457	.492	DCB	6.1	139848	.462	DCB

Files:
Area File: 25PCBS17284001.031.RAW
Area File: 25PCBS17284001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:20 PM
File Reported On: 10/12/2017 at 3:38:24 PM

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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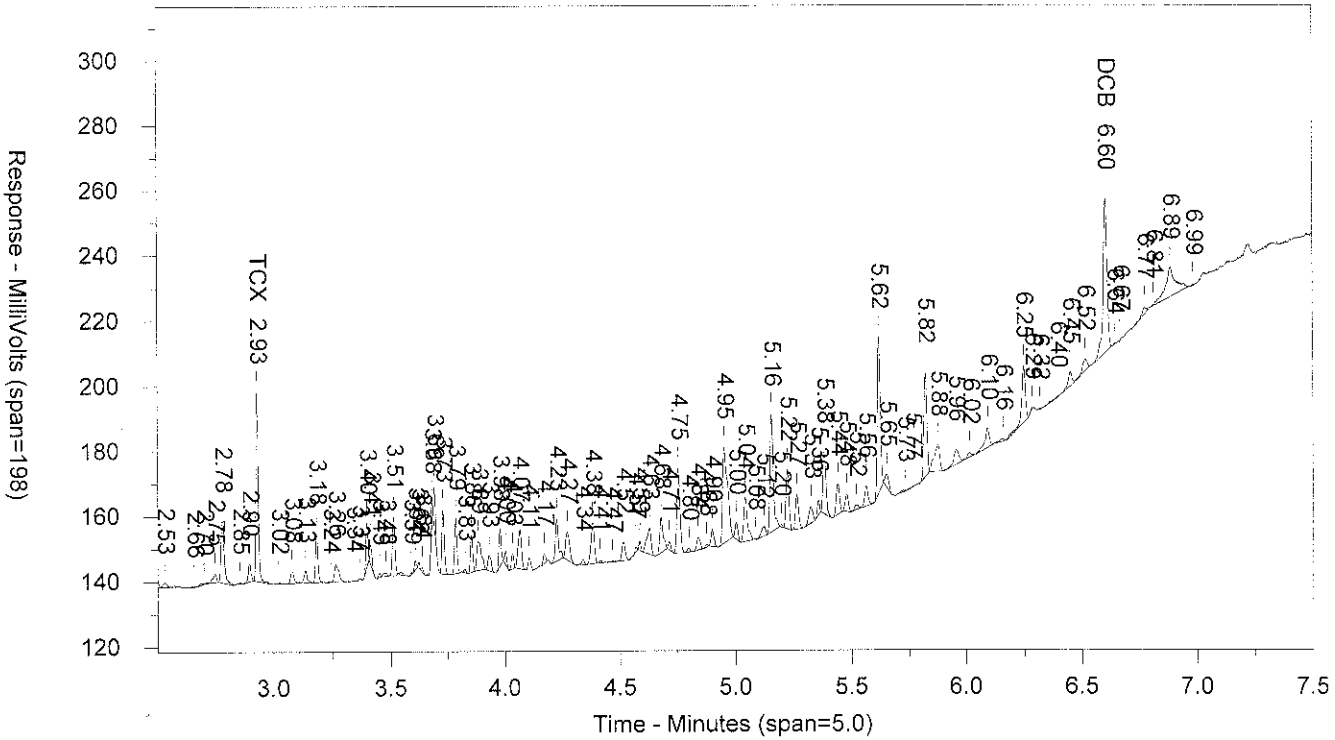

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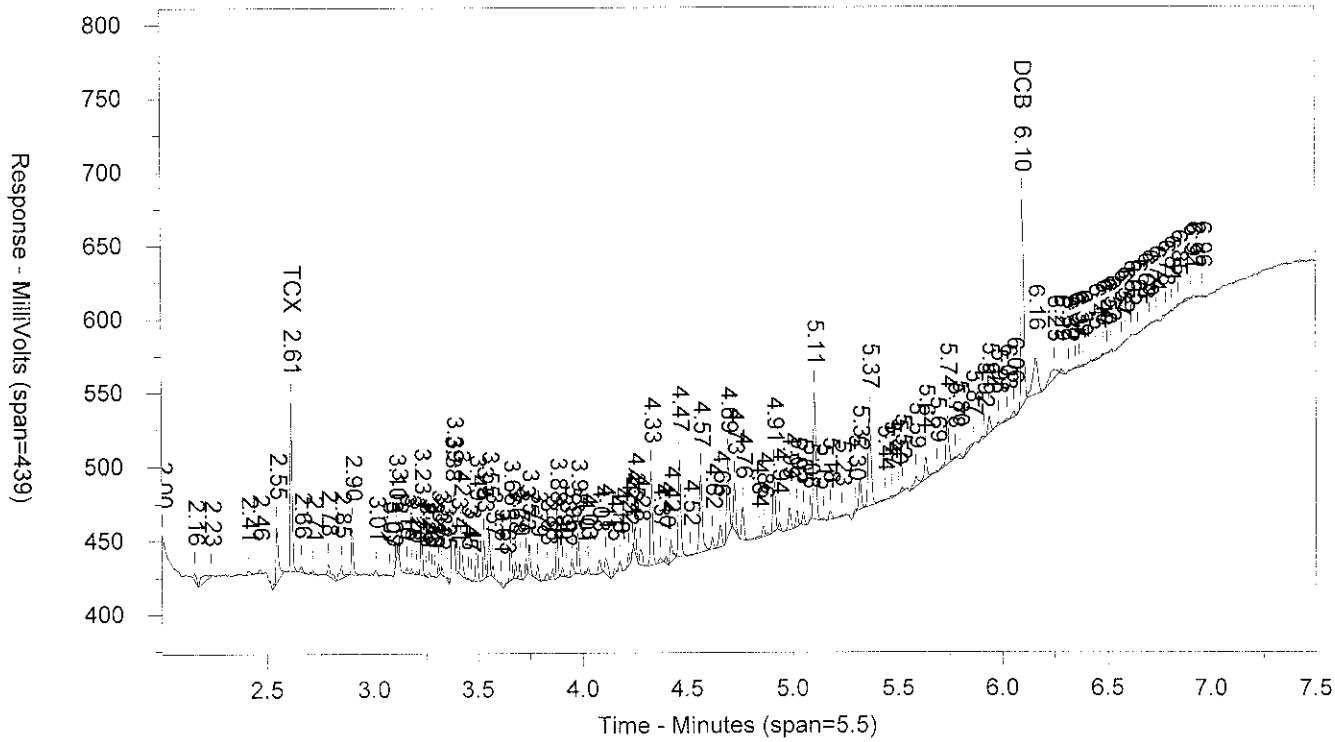

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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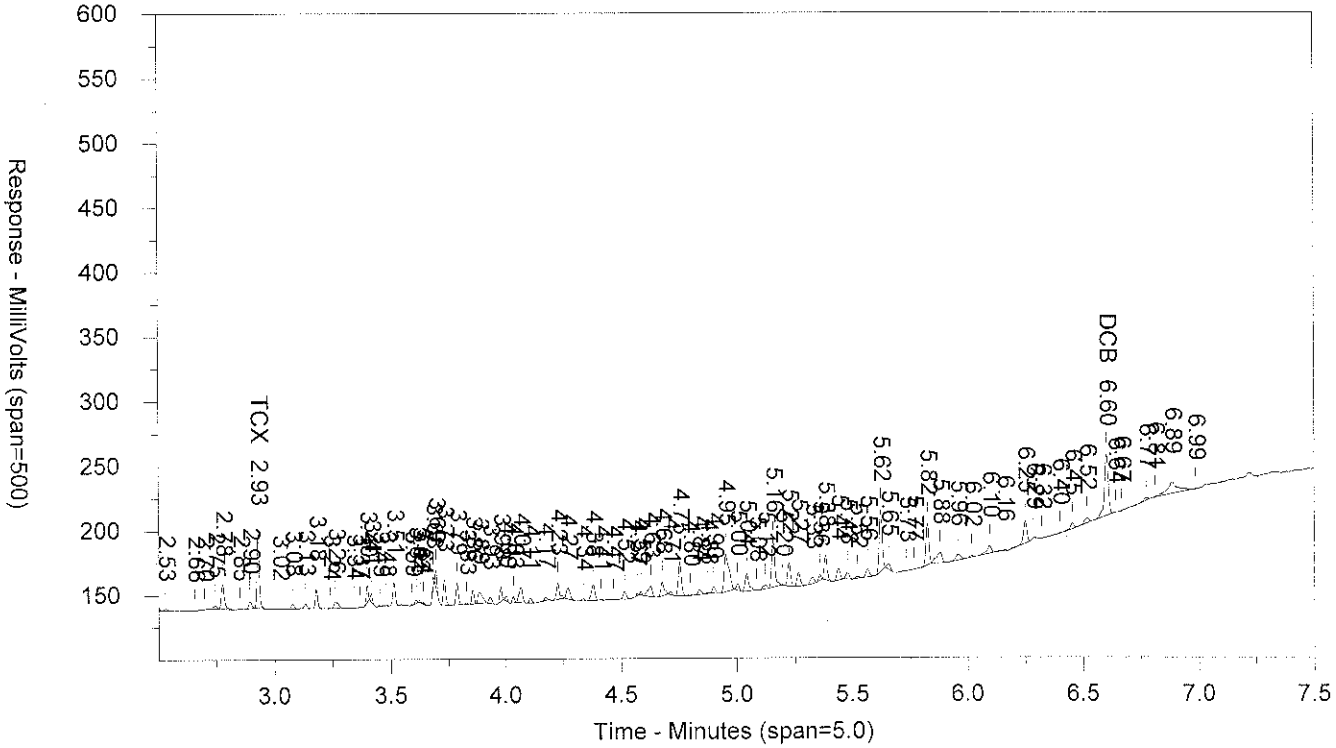

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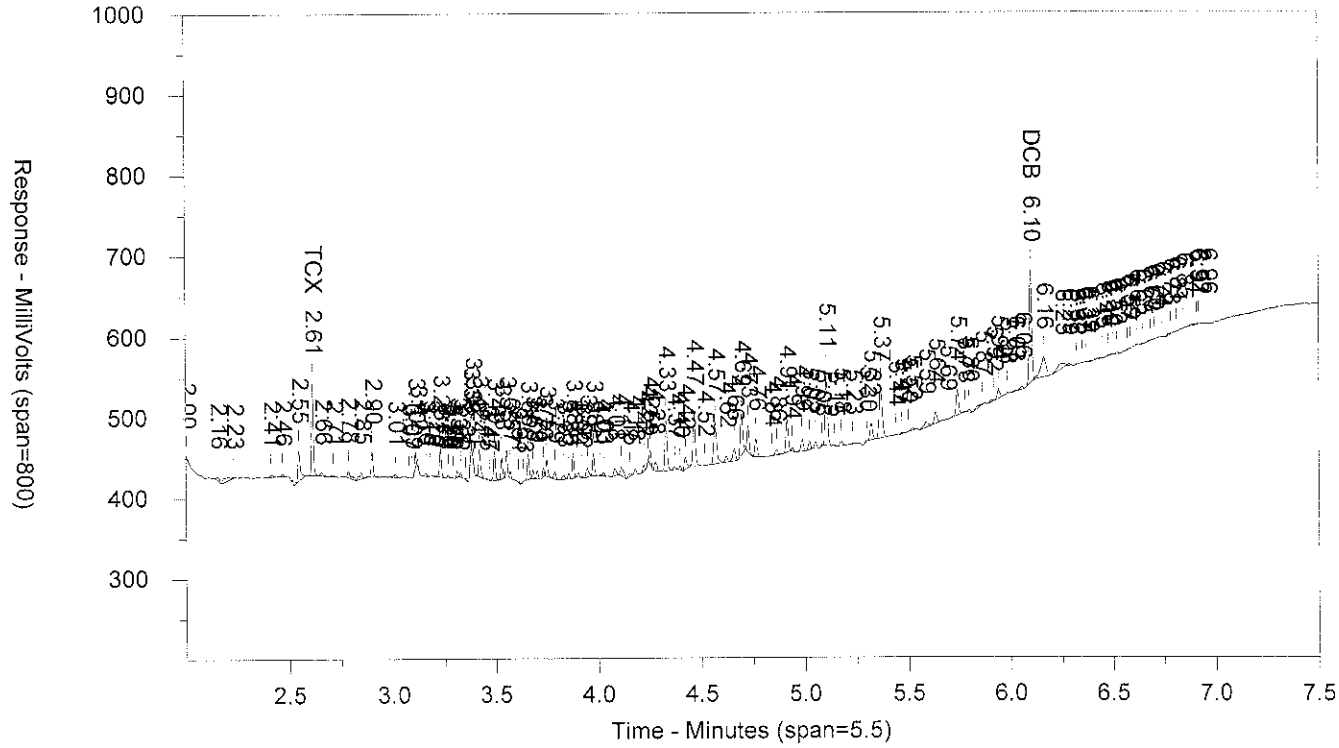

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 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: 25PCBS17284001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		13676	13348
2.087		16387	34086
2.23		29847	25093
2.296		768	675
2.337		15687	19736
2.43		2794	2277
2.49		9712	9676
2.531		1629	1517
2.568		18653	14712
2.653		689	696
2.713		563	419
2.745		1982	2715
2.777		18443	17935
2.841		2532	2369
2.895		6721	5371
2.93	TCX	6266834	4299962
3.027		1653	895
3.076		126663	112220
3.131		135095	127023
3.179		517743	383252
3.257		6605	3574
3.273		72471	48371
3.317		1873	1500
3.34		557	247
3.395		487912	294945
3.411		227838	123914
3.449		53455	29909
3.464		18525	7584
3.474		14495	6789
3.509		631291	503013
3.546		2244	1044
3.565		11709	6863
3.584		45700	28650
3.619		116063	67768
3.634		55910	27656
3.677		165463	120076
3.687		524800	288019
3.724		706672	560421
3.781		632317	476049
3.823		57047	40803
3.851		364039	279198
3.879		325447	506935
3.925		8154	4782
3.974		421141	301050
3.997		127674	84840
4.029		156710	108719
4.061		385116	415821
4.101		113912	94575
4.148		11983	12549
4.187		33130	21165
4.221		364975	386723
4.263		66244	53091
4.333		53961	46791
4.376		406920	412193

RT A	Compound A	Height A	Area A
4.41		23343	17326
4.469		16126	14282
4.511		209158	206454
4.564		49130	33093
4.58		97785	67287
4.624		228821	212241
4.674		361236	404274
4.71		95936	70102
4.749		869631	829392
4.792		44936	40344
4.834		136146	138799
4.87		80366	64303
4.896		142205	123050
4.947		982322	1303284
4.999		204910	195108
5.038		478420	550208
5.08		9113	5077
5.114		156020	192073
5.152		1177025	1229469
5.192		27379	14300
5.219		576875	541322
5.262		363953	362825
5.324		4911	6272
5.355		159334	126487
5.38		641756	595096
5.436		341912	322843
5.475		195848	206510
5.516		86218	90007
5.559		212629	238940
5.616		1684130	1862997
5.707		1455	1843
5.768		693	707
5.82		982203	966365
5.85		57681	36791
5.877		206953	241133
5.918		736	369
5.955		8362	11156
6.012		136293	138008
6.078		12041	21867
6.09		122203	87386
6.162		387	360
6.21		263	1124
6.246		443774	451658
6.292		29624	27971
6.338		461	166
6.376		1480	1839
6.449		229808	237597
6.51		6517	9642
6.598	DCB	3567457	3674137
6.704		296	490
6.73		675	492
6.743		731	313
6.767		4728	5936
6.816		840	607
6.853		859	1091
6.878		5869	9549
6.94		825	294
6.982		556	411

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 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: 25PCBS17284001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		24439	18854
2.143		8650	13934
2.193		6350	10838
2.229		1838	2175
2.273		1554	1473
2.301		35105	25603
2.41		3245	4497
2.469		2060	2074
2.547		37023	32810
2.571		3897	2103
2.614	TCX	11372930	6577230
2.658		113760	88784
2.785		266976	188995
2.832		104451	49120
2.846		160954	81707
2.898		924280	584461
2.948		23196	14055
3.009		157957	99823
3.069		788	415
3.104		740586	368977
3.116		286385	105732
3.156		140331	85633
3.177		106575	60657
3.203		86299	47881
3.227		1162389	786054
3.263		98251	58023
3.291		25454	12684
3.309		268302	142665
3.325		151366	72555
3.349		3358	2098
3.375		545814	270568
3.384		1172497	497016
3.404		64408	23807
3.418		1110956	777466
3.492		1253687	785403
3.527		810367	502265
3.551		1047158	589323
3.568		272279	127026
3.584		15474	7924
3.654		1061992	679979
3.677		396313	206806
3.697		362828	216610
3.726		377841	199716
3.743		621545	363746
3.784		263489	188706
3.83		131858	131804
3.855		101858	65148
3.875		784330	530120
3.901		111832	66026
3.92		35274	17101
3.939		119571	73586
3.974		860540	582108
4.008		57906	35002
4.022		119477	65476

RT B	Compound B	Height B	Area B
4.088		18762	12380
4.107		321649	307023
4.15		53801	32732
4.175		225432	156623
4.216		279579	175713
4.235		138024	69870
4.248		627174	357839
4.273		357820	359037
4.325		2080907	1573327
4.366		103693	84137
4.395		122510	82243
4.419		355683	238989
4.436		62713	29368
4.461		2235465	1641593
4.563		1918564	1779140
4.616		289146	230422
4.656		543683	517996
4.691		1864828	1558618
4.722		1025674	775445
4.761		738122	571248
4.82		2809	1590
4.838		967	377
4.86		233269	168818
4.878		25358	11990
4.91		1456271	1128582
4.934		175862	114674
4.983		681239	608037
5.019		364711	280899
5.05		321989	277859
5.082		58926	38161
5.103		3340595	2687373
5.145		62892	45658
5.176		316303	250152
5.254		4820	4475
5.294		38926	25615
5.317		706555	561966
5.362		2314524	2458336
5.462		1310	655
5.481		2196	1505
5.517		294253	258699
5.564		41065	26856
5.585		364513	283865
5.634		514053	425388
5.681		1936	1420
5.741		1073678	915225
5.772		62721	46765
5.836		2042	2555
5.87		2092	2678
5.91		2045	3086
5.939		664852	539156
5.97		2740	2473
6.027		1474	1932
6.053		6323	5798
6.096	DCB	10947490	9523303
6.157		17055	29059
6.214		1880	912
6.246		6094	8050
6.278		5706	4972
6.315		1865	784
6.37		1635	2438
6.406		1641	1070
6.478		390	643
6.488		1692	546
6.508		2960	3314
6.548		13675	12153
6.596		1405	386

RT B	Compound B	Height B	Area B
6.627		1718	1657
6.668		1260	1128
6.699		1076	1146
6.726		1891	2135
6.776		1517	1749
6.788		888	284
6.839		1146	1027
6.867		1164	573
6.893		1175	559
6.93		1029	779
6.948		1769	1558

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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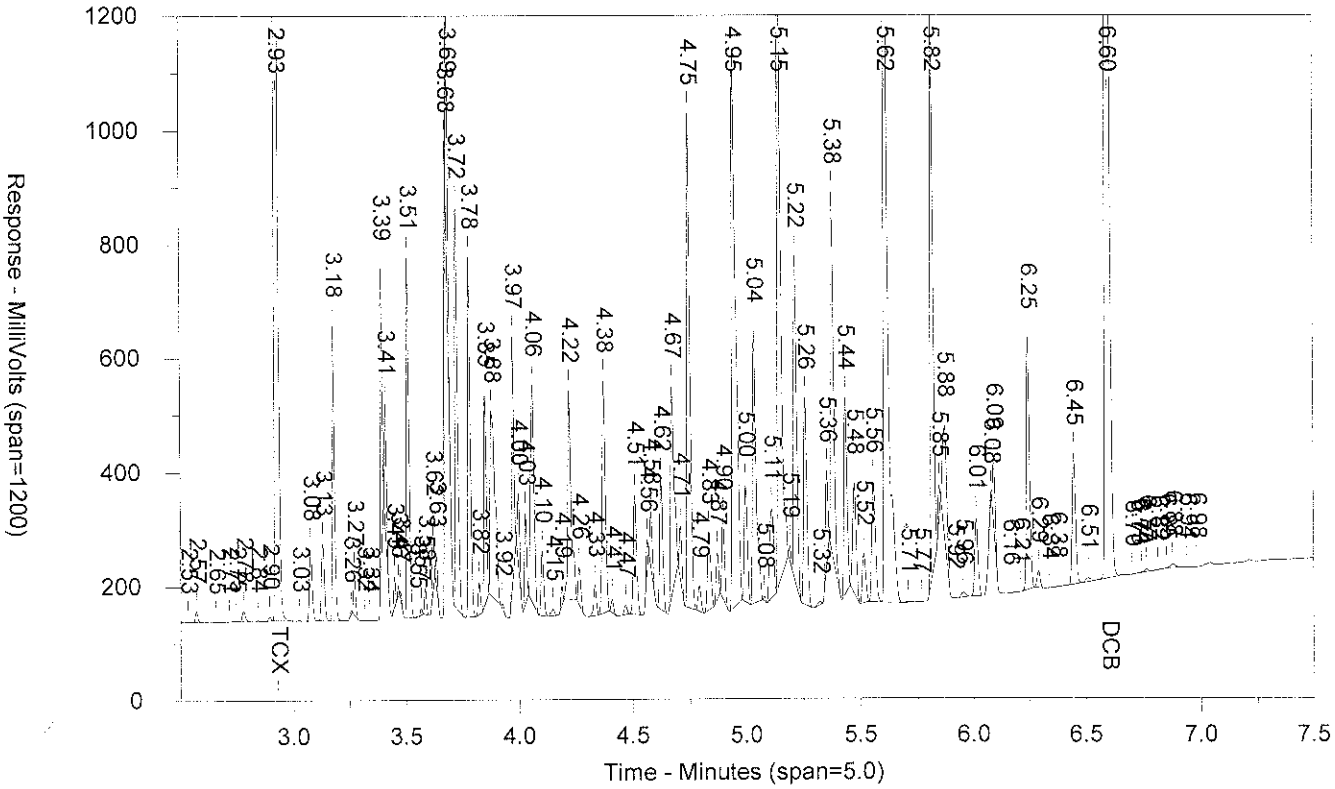

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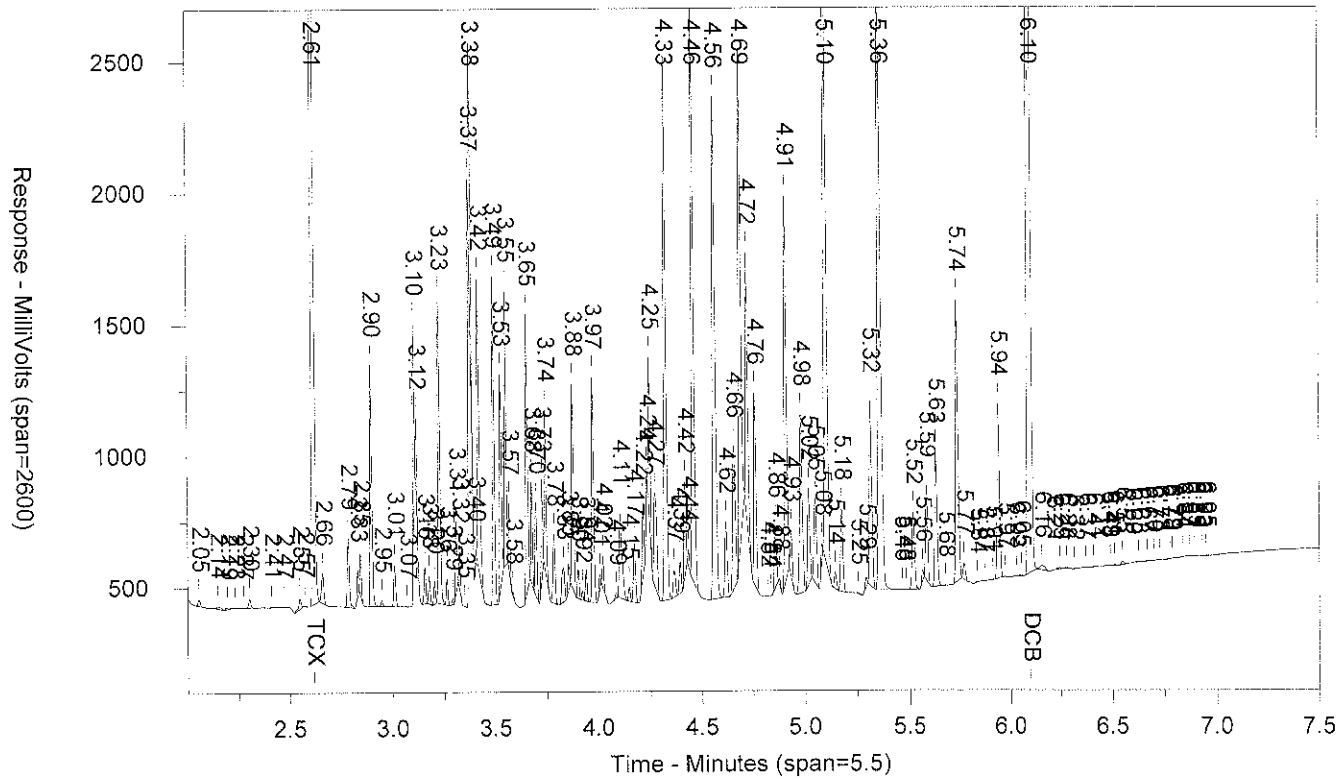

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:08:32 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
2.93	6266834	41.538	TCX	2.614	11372930	41.745	TCX
6.598	3567457	37.01	DCB	6.096	10947490	36.162	DCB

Files:
Area File: 25PCBS17284001.032.RAW
Area File: 25PCBS17284001B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:38:40 PM

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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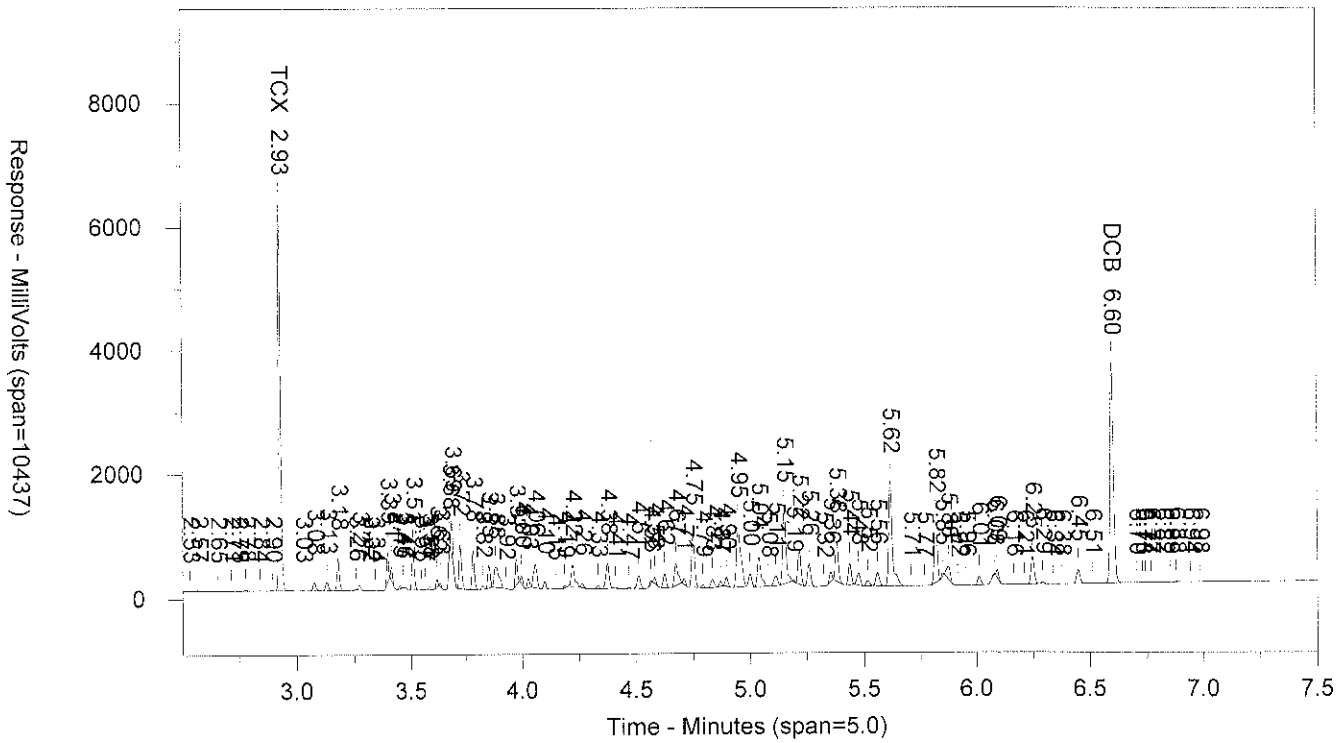

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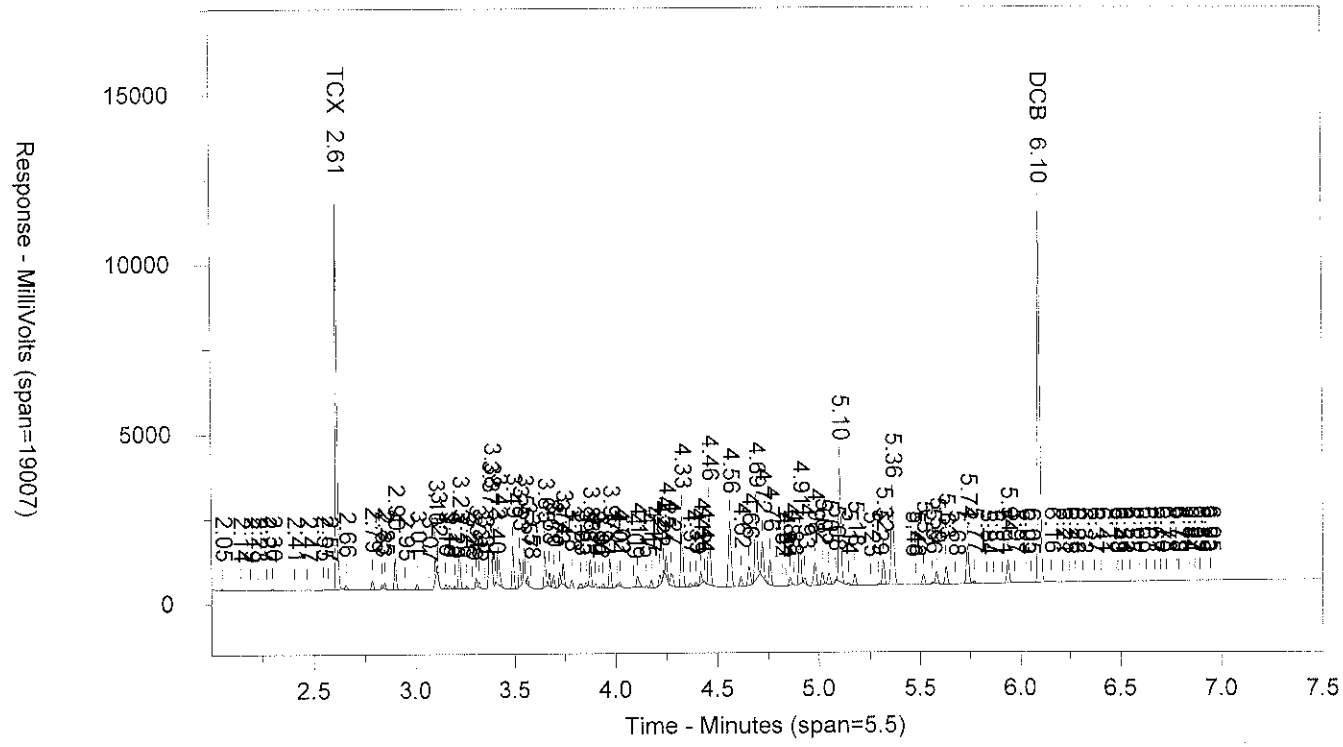

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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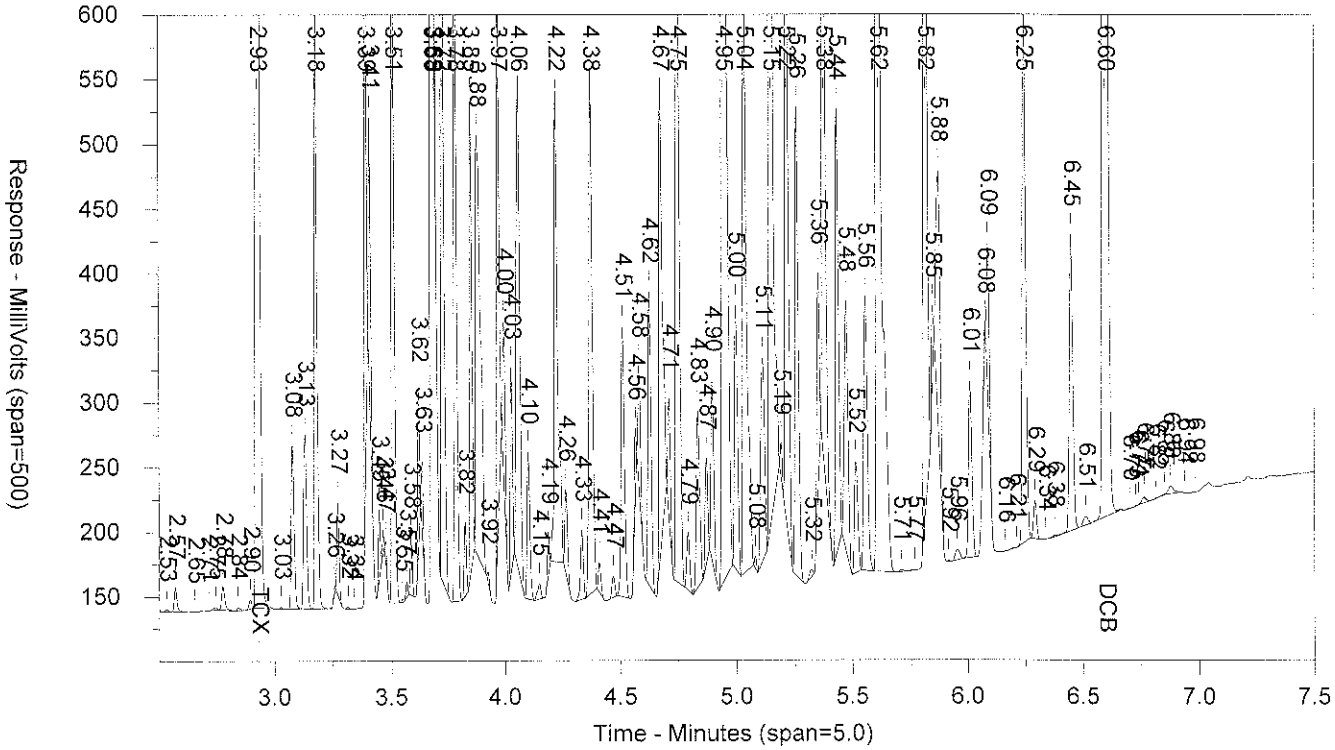

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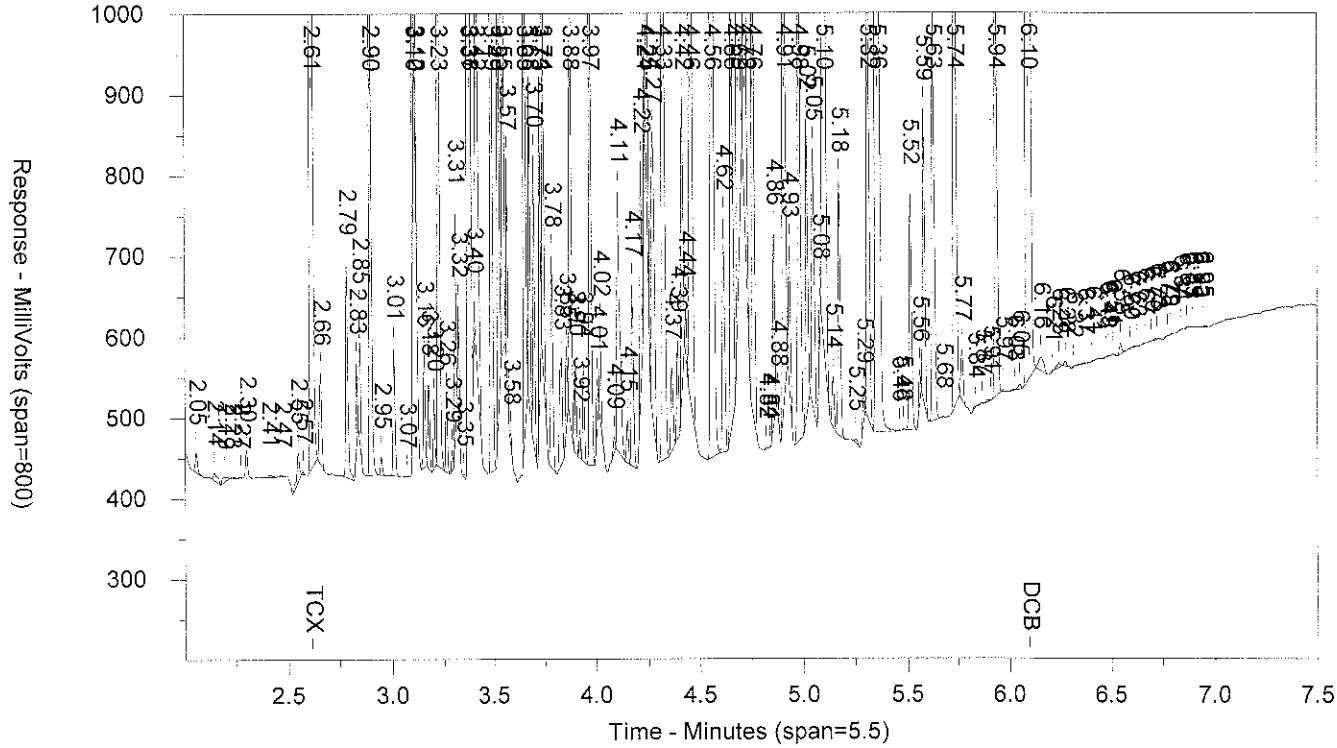

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 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: 25PCBS17284001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		14213	13716
2.09		11788	29941
2.231		28442	23795
2.297		1082	877
2.337		15691	19300
2.431		2717	2263
2.491		9568	9704
2.529		1743	1717
2.57		9151	7305
2.661		517	731
2.71		536	336
2.735		694	426
2.747		1157	736
2.778		15948	14396
2.852		1116	1168
2.895		6938	5482
2.93	TCX	5906822	4108244
3.028		1469	935
3.078		53266	46679
3.127		79538	63086
3.179		122889	88791
3.258		10005	5468
3.273		19931	11892
3.317		924	766
3.395		242318	148688
3.412		75944	42379
3.449		13225	7032
3.464		22467	13197
3.509		271163	211751
3.546		691	197
3.566		10240	5800
3.585		41114	27088
3.619		39800	23026
3.634		11319	5525
3.677		153950	90982
3.687		201171	98083
3.724		381905	304254
3.781		316642	251136
3.822		51986	37071
3.851		492689	368293
3.878		307725	248279
3.899		79076	41907
3.926		6944	4769
3.973		584597	422392
3.997		158324	104148
4.029		211568	153086
4.061		502460	488173
4.101		173774	145645
4.148		18946	16702
4.187		50649	37486
4.22		376324	256195
4.239		496554	305010
4.263		544459	421853
4.333		48646	47500

RT A	Compound A	Height A	Area A
4.367		384566	317105
4.386		118028	62484
4.409		127654	91079
4.451		6828	4358
4.472		31252	24014
4.513		173277	162523
4.563		239355	207024
4.595		121746	96360
4.624		391406	339843
4.674		3590	2758
4.707		154679	148409
4.751		27900	35725
4.796		40583	36181
4.836		254849	249188
4.87		65277	53749
4.915		21507	24090
4.961		49005	76686
4.998		4001	2726
5.032		257743	273749
5.08		4737	3198
5.111		98035	95017
5.152		66594	59028
5.175		2573	1160
5.192		6611	4450
5.219		2128	1754
5.263		1785	1546
5.322		14116	18779
5.356		22871	19621
5.38		5132	3070
5.401		999	545
5.437		3082	2467
5.473		8755	12233
5.516		56863	55223
5.555		13441	11677
5.581		2183	1717
5.616		2833	1927
5.64		113849	123721
5.72		803	596
5.753		428	297
5.776		450	279
5.821		12441	12709
5.866		5775	8460
5.924		207	285
5.954		16196	23573
6.012		100599	102687
6.075		151091	180584
6.161		552	1278
6.242		17199	26304
6.283		1213	1030
6.312		470	218
6.331		558	209
6.344		414	173
6.378		1544	1591
6.419		915	831
6.449		81912	86550
6.51		13426	20421
6.598	DCB	3437943	3539127
6.765		10479	15747
6.88		8313	27250
6.965		808	443
6.977		637	192

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 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: 25PCBS17284001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		24359	19256
2.146		8592	14631
2.188		6416	5449
2.212		1088	654
2.23		2009	2617
2.274		1920	1895
2.302		17931	12559
2.413		2716	2453
2.469		2171	1596
2.496		8199	11798
2.548		32116	30831
2.615	TCX	10846790	6260598
2.658		31871	24153
2.786		122148	86525
2.832		138671	113227
2.899		221497	144332
2.948		23057	13590
3.01		53458	33987
3.072		706	121
3.086		553	136
3.105		375449	186619
3.116		66310	24841
3.156		42717	23734
3.178		58827	34806
3.203		9293	4747
3.227		492639	336884
3.263		94576	55820
3.291		25721	13165
3.31		93179	51317
3.325		35467	16358
3.349		1879	1259
3.375		380831	177499
3.384		425193	180199
3.404		86939	36207
3.419		564503	385032
3.466		741	193
3.493		672400	416719
3.528		1078173	672317
3.551		1077276	580066
3.569		330766	167285
3.631		2914	2520
3.654		1376086	878217
3.677		444888	238138
3.698		482287	294298
3.727		275580	139355
3.743		966058	568295
3.784		397454	280604
3.831		84570	71966
3.853		785196	470992
3.876		1627773	1060790
3.901		1251742	779063
3.92		99715	47645
3.939		101351	56679
3.974		538512	377025

RT B	Compound B	Height B	Area B
4.009		927897	729501
4.037		456165	252607
4.084		75170	54928
4.118		330008	251534
4.15		35464	20727
4.175		545375	405777
4.207		308495	222866
4.235		830894	615829
4.271		13495	12332
4.327		351725	327034
4.363		84080	62732
4.395		476751	357781
4.419		10078	4063
4.436		118734	81157
4.462		52588	31952
4.487		41927	30641
4.561		90840	93154
4.613		523691	434634
4.663		183021	154561
4.691		111672	103210
4.737		21268	14193
4.761		3279	1907
4.817		1683	1397
4.837		1509	1138
4.879		5784	4062
4.911		14063	9854
4.935		52591	40599
4.972		6131	4836
5.02		5968	4016
5.037		3420	1505
5.055		85765	66167
5.083		20385	13661
5.104		10631	6571
5.122		3256	1980
5.176		185981	166751
5.238		1400	10120
5.294		9697	9688
5.318		9695	7389
5.364		24612	24928
5.408		804	472
5.436		996	562
5.464		1679	1267
5.492		1012	345
5.517		227199	201872
5.586		323562	300050
5.635		70291	61987
5.681		1346	1188
5.742		7939	6307
5.791		9593	19380
5.889		921	28599
5.912		1239	1615
5.939		229133	191869
5.983		2682	4099
6.022		2332	1157
6.052		7385	8907
6.097	DCB	11215730	9173938
6.159		15513	25632
6.244		7031	14036
6.281		3021	3772
6.321		3321	2860
6.337		951	376
6.354		1428	1144
6.422		1883	1016
6.434		1784	869
6.456		1182	369
6.482		824	513

RT B	Compound B	Height B	Area B
6.516		3872	4360
6.548		13561	10402
6.581		1393	605
6.606		1568	1445
6.63		1937	1418
6.641		1500	383
6.65		1293	417
6.702		1025	299
6.721		4292	6940
6.776		2203	2528
6.802		1884	1379
6.852		1440	2755
6.897		1706	3474
6.908		1344	738
6.94		1339	713
6.994		1498	1177

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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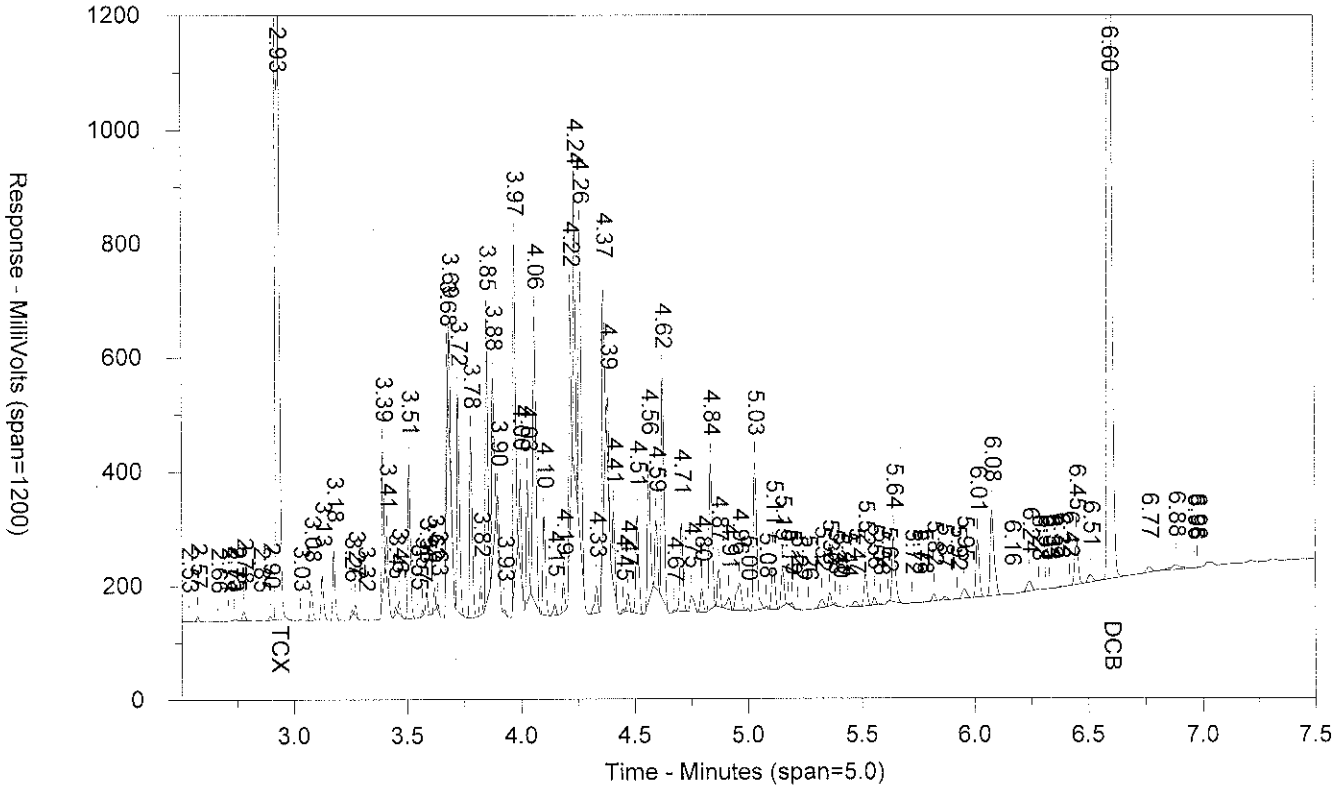

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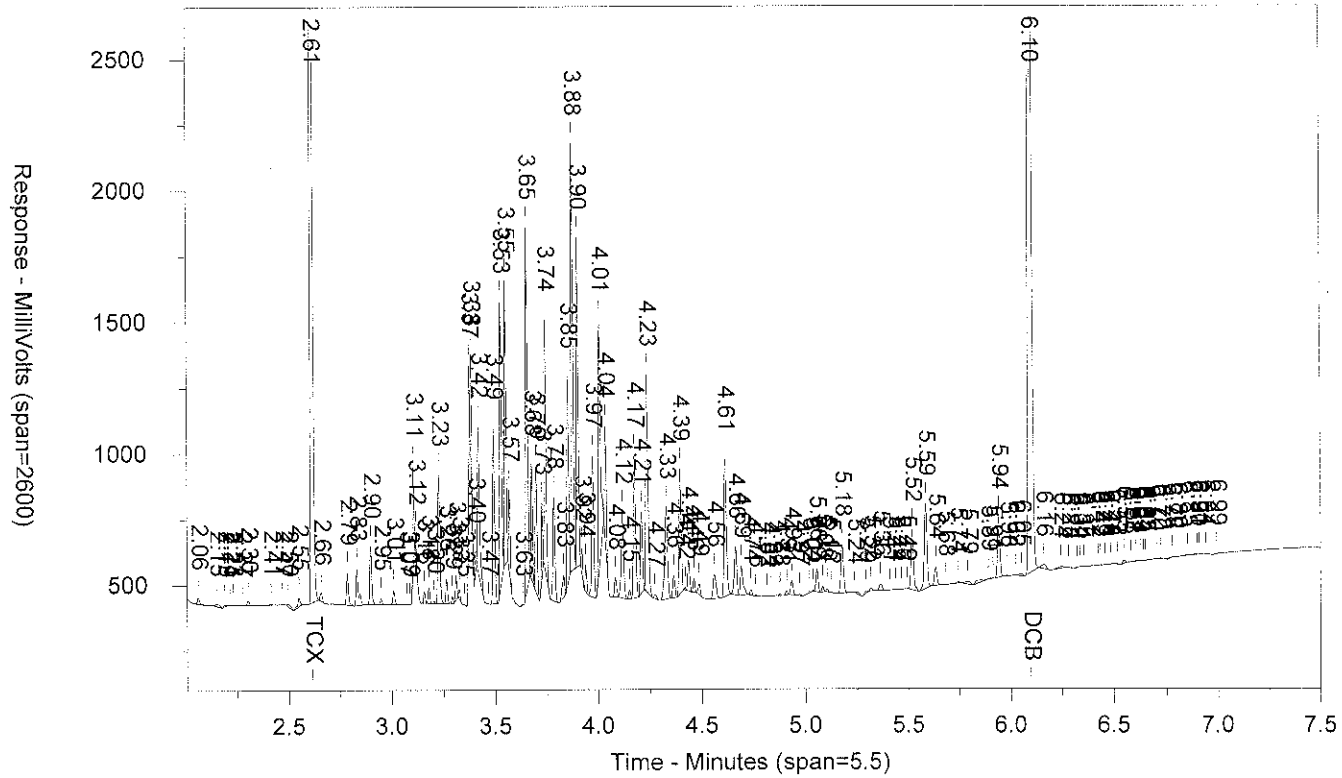

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:19:49 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
2.93	5906822	39.152	TCX	2.615	10846790	39.814	TCX
6.598	3437943	35.666	DCB	6.097	11215730	37.048	DCB

Files:
Area File: 25PCBS17284001.033.RAW
Area File: 25PCBS17284001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:38:58 PM

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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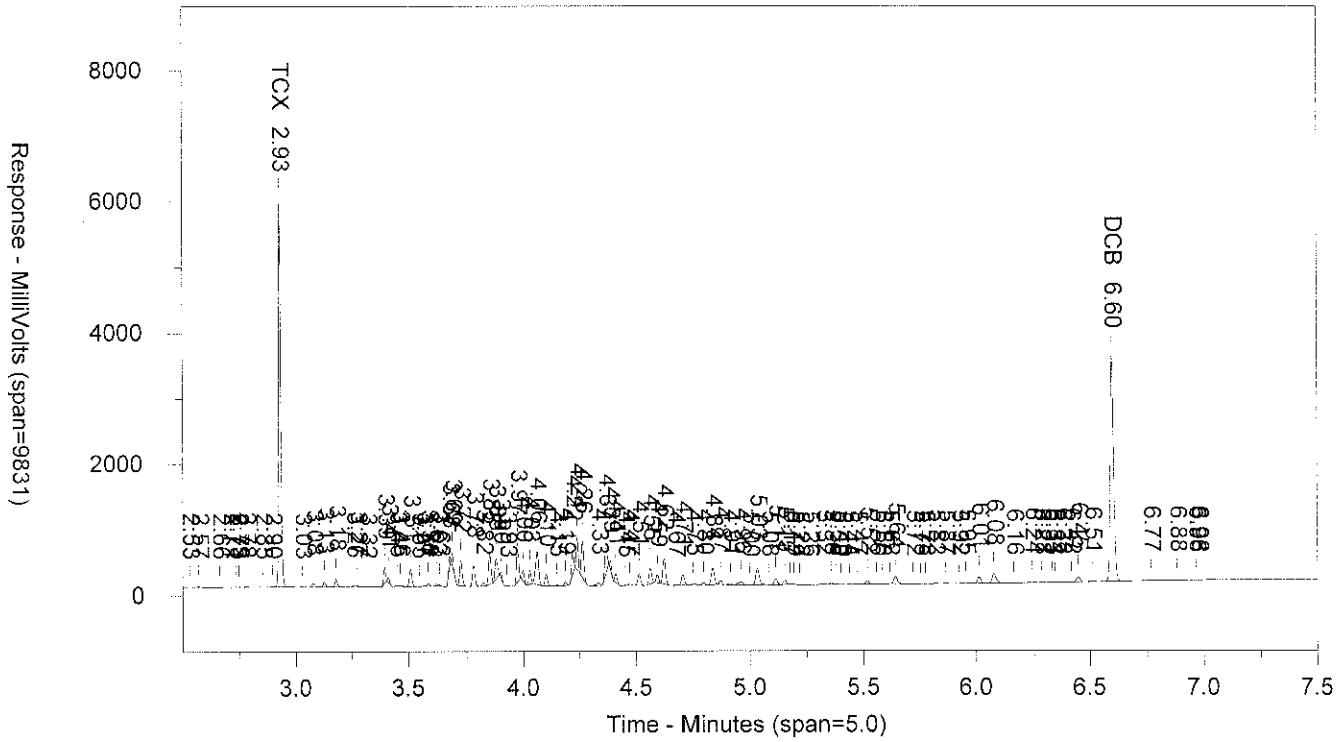

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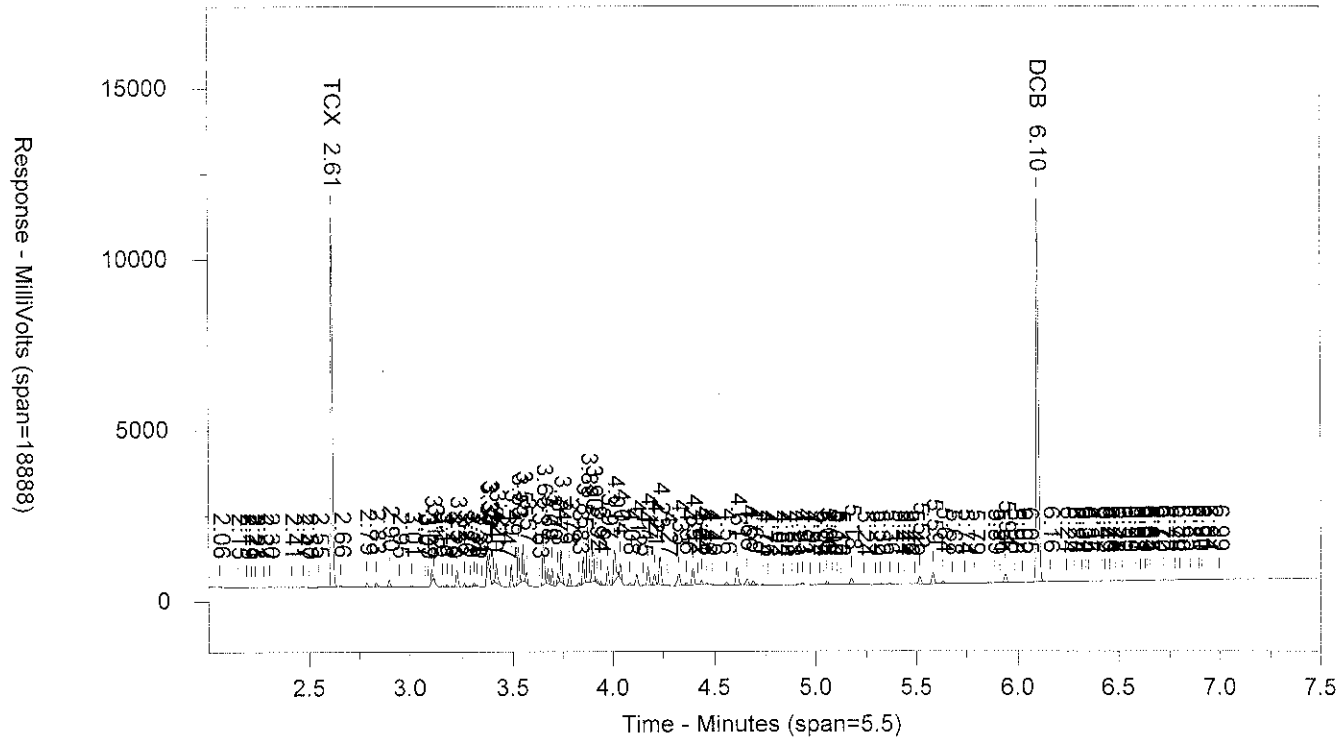

IC48X1724B AAIC48XAA CCAL 1728399999 10225 SW-846 8082

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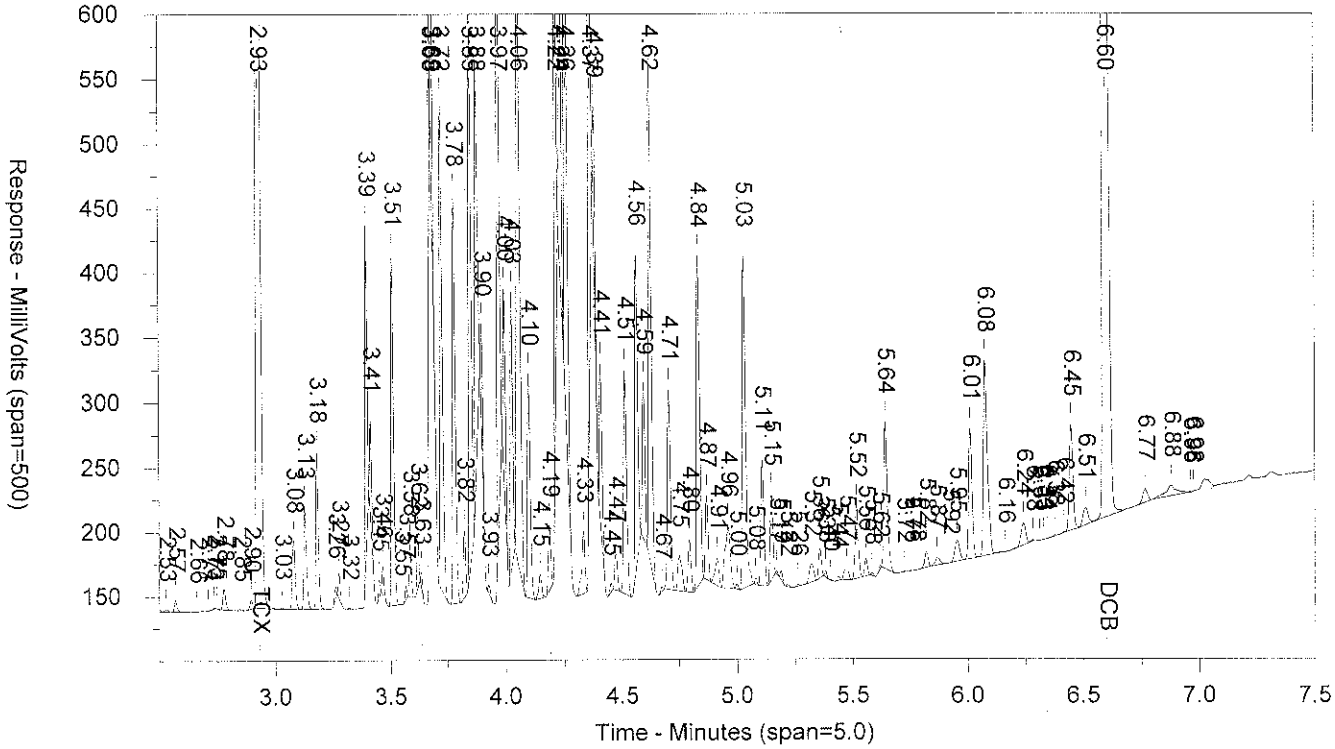

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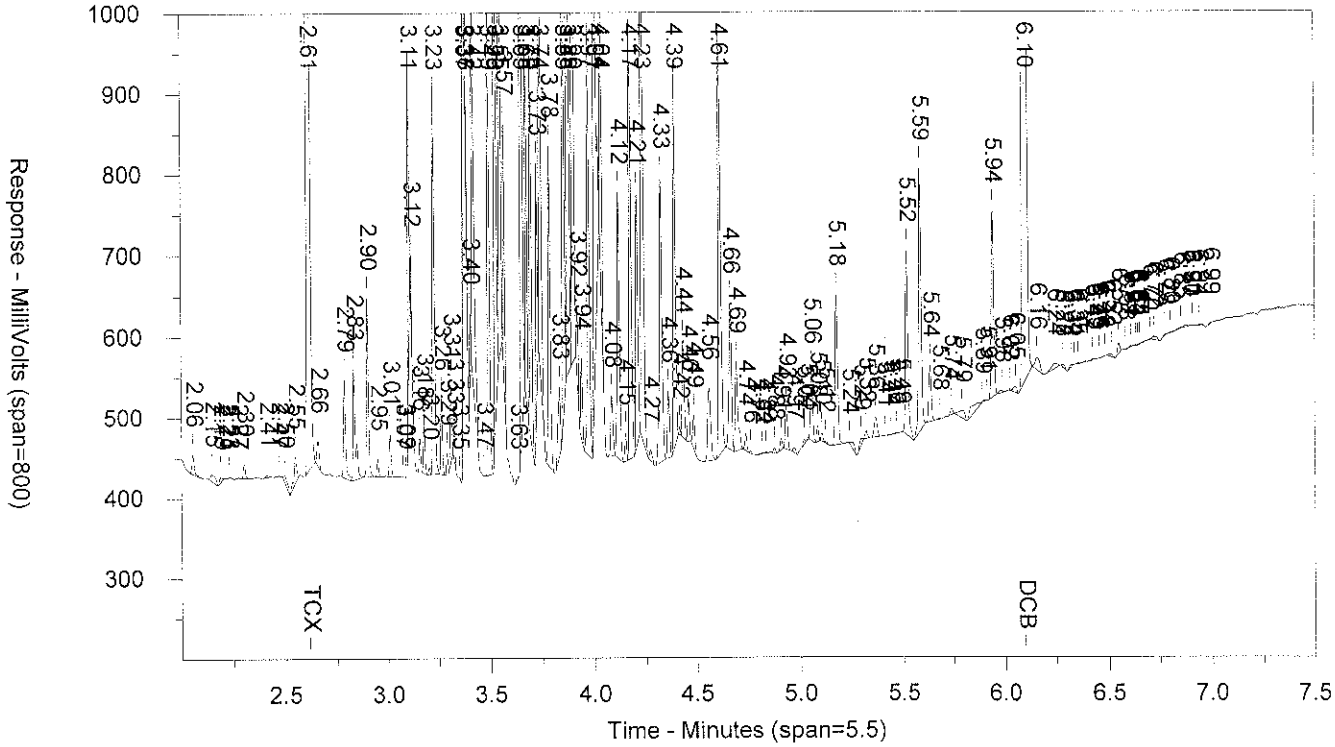

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 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: 25PCBS17284001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		15763	15797
2.085		10696	22105
2.171		770	438
2.23		14304	12473
2.298		1028	1040
2.329		12129	12316
2.432		1329	879
2.49		10614	10403
2.53		1593	1672
2.57		4534	3004
2.624		373	209
2.653		620	714
2.744		2364	3818
2.777		14322	13238
2.85		850	783
2.895		7916	6562
2.929	TCX	2877191	2005658
3.027		960	624
3.042		445	208
3.077		19773	17788
3.126		38723	31538
3.179		39892	29520
3.258		7458	4403
3.273		8267	4303
3.337		312	129
3.395		54411	32870
3.413		19984	15406
3.464		30847	24748
3.508		75746	55353
3.538		513	240
3.565		6439	3896
3.585		60852	43581
3.619		5802	2839
3.635		2934	1274
3.676		14609	7995
3.697		18002	14117
3.725		159493	125390
3.78		64556	48463
3.823		12625	8604
3.85		467650	356985
3.885		154499	192113
3.926		14717	11796
3.973		296568	234103
3.997		18621	9597
4.028		58902	40028
4.059		164138	198473
4.102		38587	31826
4.148		13876	13375
4.187		29851	19294
4.221		601251	433630
4.239		199737	102853
4.265		194869	166022
4.333		192179	167385
4.375		986904	1124944

RT A	Compound A	Height A	Area A
4.409		367922	309652
4.45		12584	8110
4.472		69571	55294
4.513		399725	379134
4.563		688693	603403
4.594		133992	96244
4.624		1361533	1217939
4.674		62224	45520
4.689		9706	3607
4.708		189789	147712
4.75		436102	456004
4.795		95744	85340
4.835		940703	899734
4.869		37271	25667
4.896		101904	119703
4.947		530644	862420
4.998		12708	9392
5.033		698205	744299
5.081		78603	62037
5.108		95663	136594
5.152		916341	852918
5.173		33164	18744
5.191		35624	22573
5.218		33572	26301
5.261		40244	47858
5.328		3672	4745
5.357		296749	259359
5.381		73686	52334
5.413		1584	662
5.437		41040	36212
5.475		38112	36589
5.516		27985	27070
5.555		191977	182468
5.58		26930	17791
5.616		143088	123824
5.641		32180	26183
5.719		1236	1710
5.79		444	66
5.82		134686	130740
5.85		21495	20290
5.921		700	477
5.955		6347	8269
6.011		42636	43114
6.076		64614	87682
6.156		993	1753
6.244		12647	16994
6.287		2172	2530
6.338		641	265
6.385		1151	1873
6.449		31371	31810
6.508		5249	7820
6.598	DCB	1741121	1879003
6.672		530	474
6.684		625	251
6.722		626	572
6.769		3044	5490
6.836		854	774
6.854		1116	559
6.88		6226	11414
6.972		747	634

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 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: 25PCBS17284001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		10202	8583
2.156		9073	13708
2.19		8272	13394
2.231		2232	2219
2.302		10794	8348
2.412		2944	4269
2.469		1955	1718
2.547		31320	33123
2.614	TCX	5296445	3059190
2.659		21448	15580
2.709		1328	1856
2.786		46351	42181
2.831		76842	62450
2.898		80460	52019
2.948		11733	7768
3.009		25282	17320
3.068		1310	506
3.083		803	268
3.105		81593	40688
3.116		16309	9527
3.156		8499	4658
3.177		63261	38966
3.202		1444	711
3.227		139746	84923
3.243		3071	969
3.263		125961	76188
3.29		14128	7078
3.31		16114	8955
3.325		8432	4285
3.349		2185	1843
3.375		34017	16451
3.384		19895	7166
3.405		30528	12944
3.419		203496	173876
3.493		136696	88367
3.527		1035955	627586
3.551		504644	303548
3.568		28869	11303
3.586		24192	13883
3.635		1648	1995
3.654		683477	435272
3.677		72480	36344
3.698		148805	92947
3.727		240782	130098
3.743		230954	120121
3.783		107074	84162
3.824		86189	86184
3.853		224843	130638
3.875		2340328	1498271
3.9		234948	135364
3.92		236949	134244
3.939		406409	248998
3.974		2155091	1455998
4.005		782463	491015

RT B	Compound B	Height B	Area B
4.023		509172	269859
4.084		166369	116658
4.118		794861	626977
4.15		14302	6476
4.174		1693299	1242820
4.207		457587	341417
4.234		3083594	2248470
4.273		218832	206964
4.326		1431222	1207303
4.363		200450	155308
4.395		1773336	1282214
4.419		255467	153923
4.437		5114	1424
4.462		1067454	823913
4.487		52088	29873
4.56		1064248	1010314
4.613		1323253	1056477
4.652		320062	305488
4.691		1835243	1862839
4.738		159975	99980
4.761		65198	44348
4.82		22634	26592
4.861		4853	3547
4.877		97362	72150
4.911		101462	70979
4.934		629027	485005
4.984		72197	60333
5.019		68711	53137
5.052		62644	53762
5.082		302187	214259
5.103		208268	168318
5.144		4343	2593
5.176		94173	82947
5.251		4199	7439
5.3		1654	2548
5.318		11954	9629
5.361		276675	273492
5.421		1287	819
5.466		2263	1846
5.517		92468	83542
5.565		6697	4216
5.586		127877	103143
5.634		43611	37150
5.683		1351	1867
5.721		1104	1207
5.741		19784	16177
5.794		3593	4278
5.848		2370	5249
5.87		2036	2532
5.91		1437	1659
5.939		79255	67482
5.992		2145	4381
6.017		1042	778
6.054		3824	3656
6.097	DCB	5517828	4807308
6.163		18284	28308
6.258		5107	15576
6.281		2830	3034
6.327		1883	1712
6.346		1690	861
6.394		868	1301
6.413		1079	687
6.439		1851	2056
6.493		1055	1883
6.502		2460	3138
6.55		6914	5221

RT B	Compound B	Height B	Area B
6.567		1324	472
6.619		2516	4368
6.649		1286	727
6.691		953	1031
6.727		1105	952
6.739		1609	859
6.807		847	3281
6.846		927	1337
6.886		1606	2680
6.91		1158	319
6.935		1334	210
6.953		1309	931

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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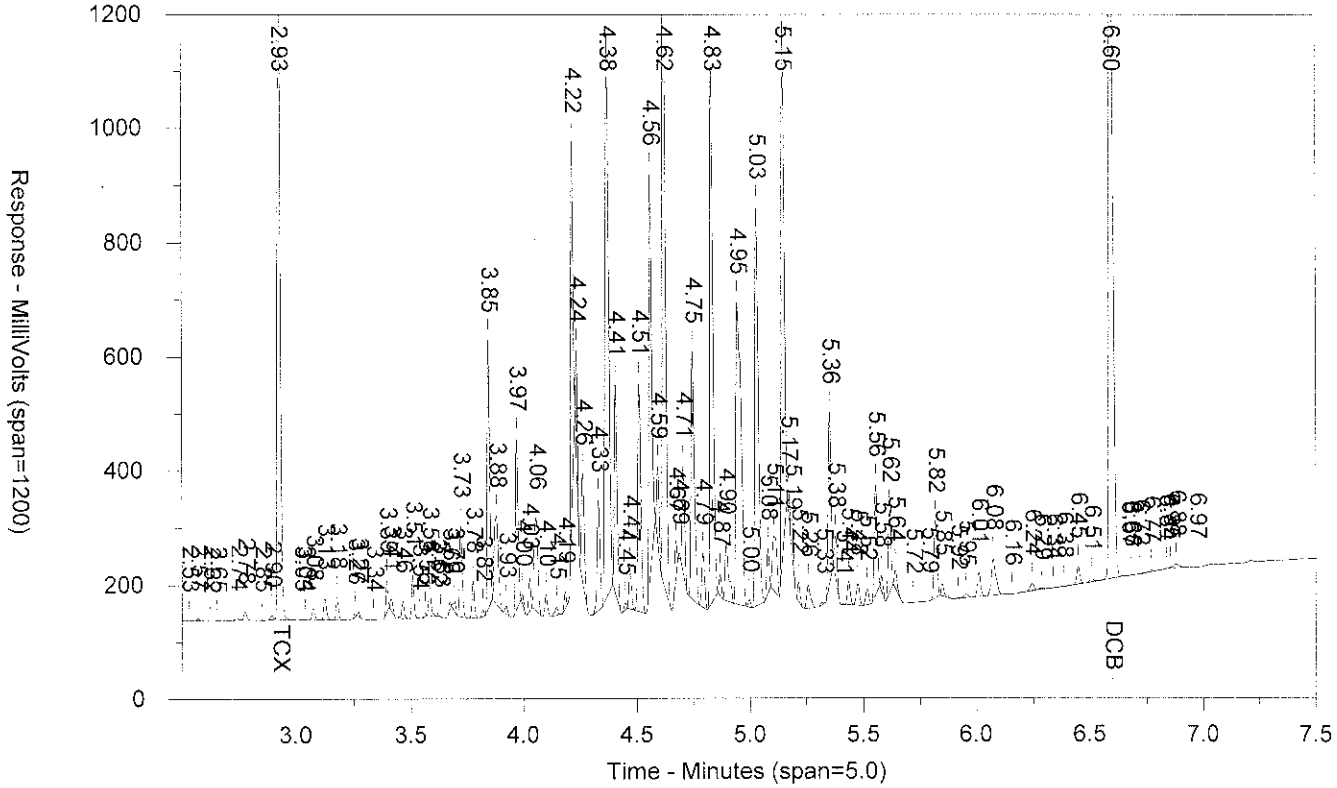

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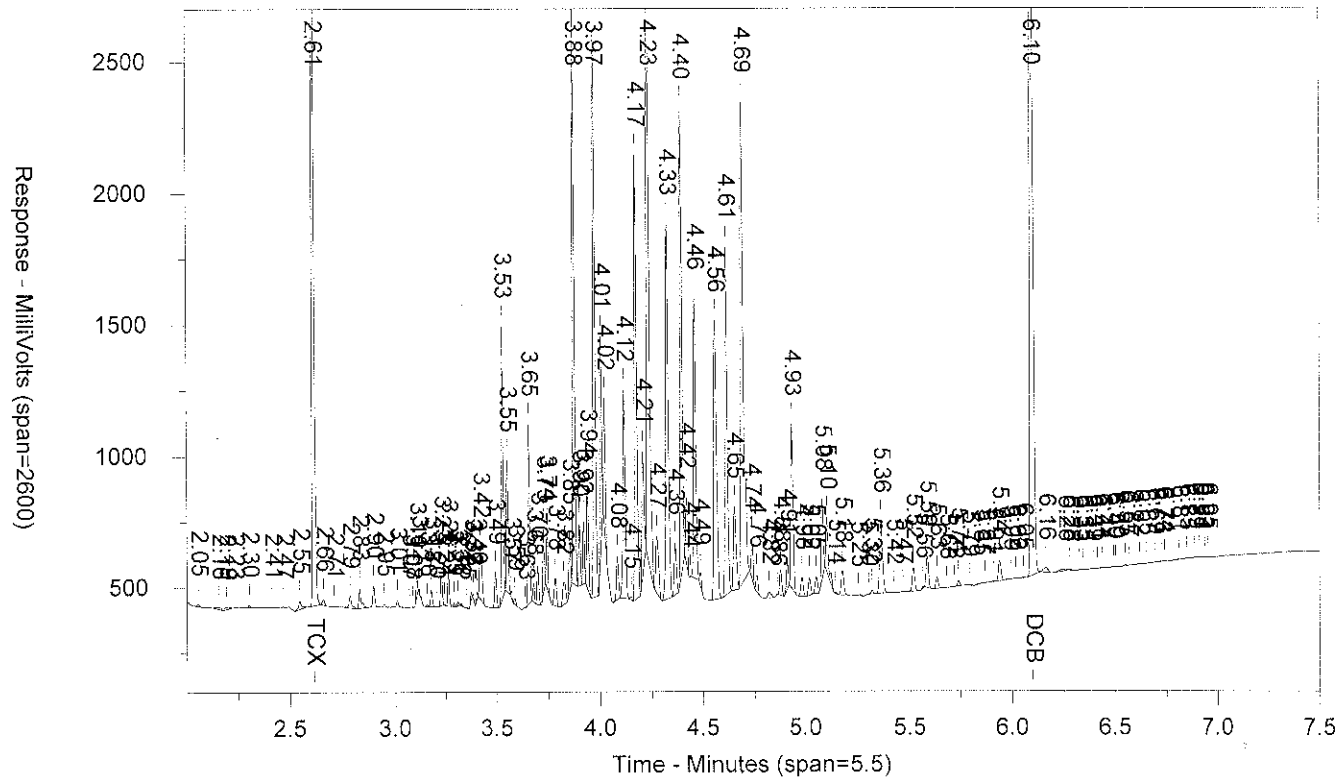

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 3:31:06 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
2.929	2877191	19.071	TCX	2.614	5296445	19.441	TCX
6.598	1741121	18.063	DCB	6.097	5517828	18.227	DCB

Files:
Area File: 25PCBS17284001.034.RAW
Area File: 25PCBS17284001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:21 PM
File Reported On: 10/12/2017 at 3:39:18 PM

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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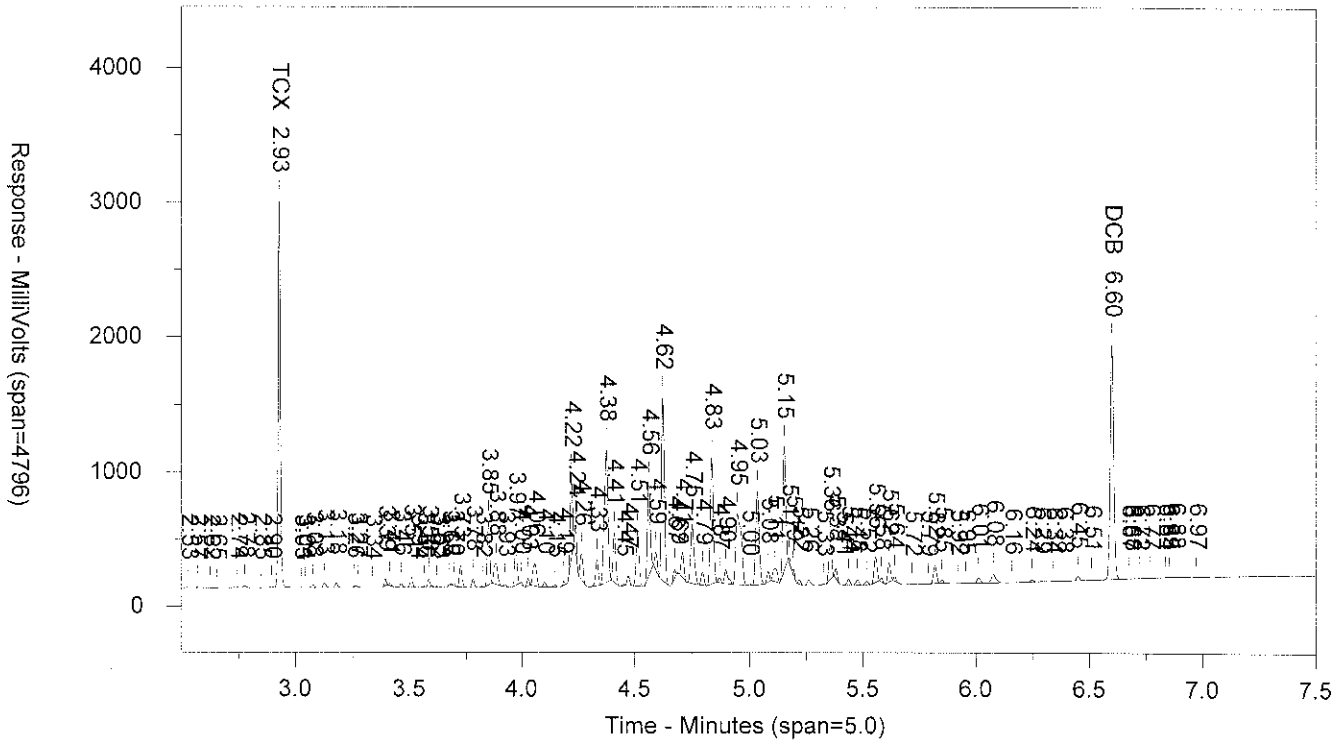

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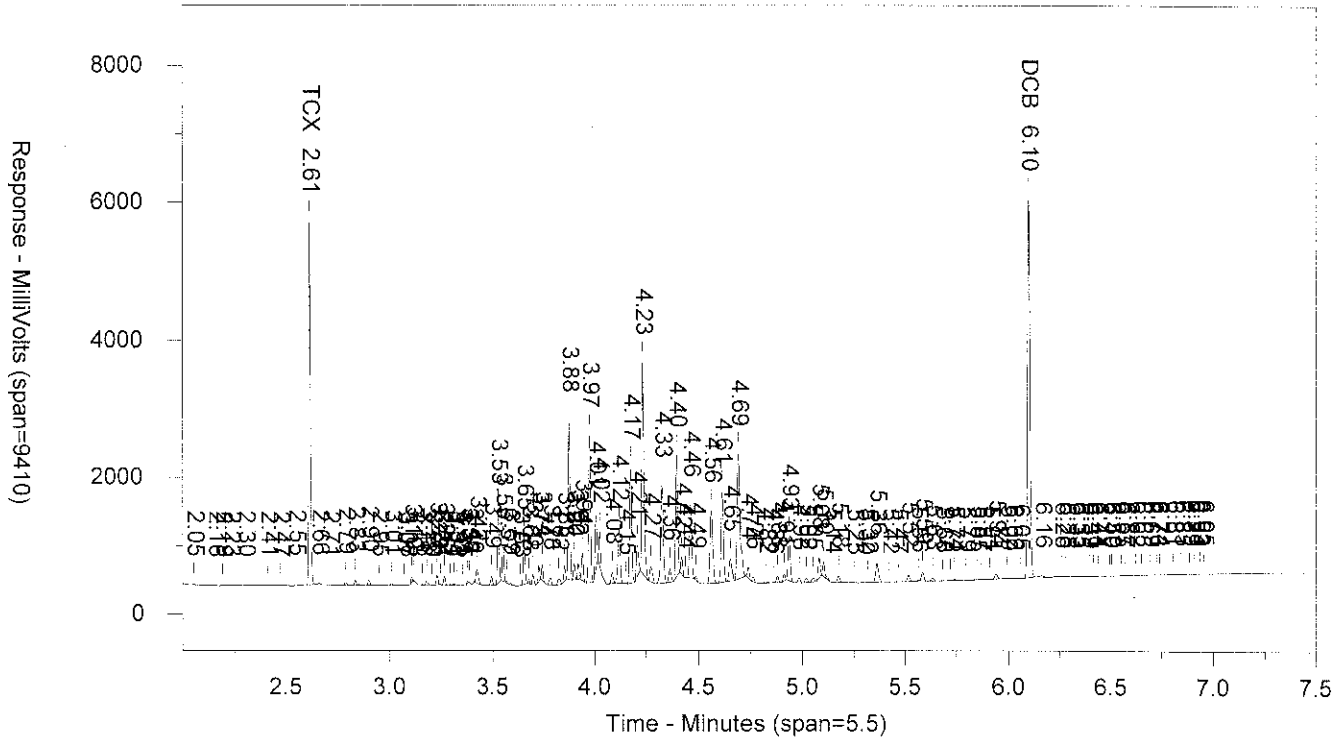

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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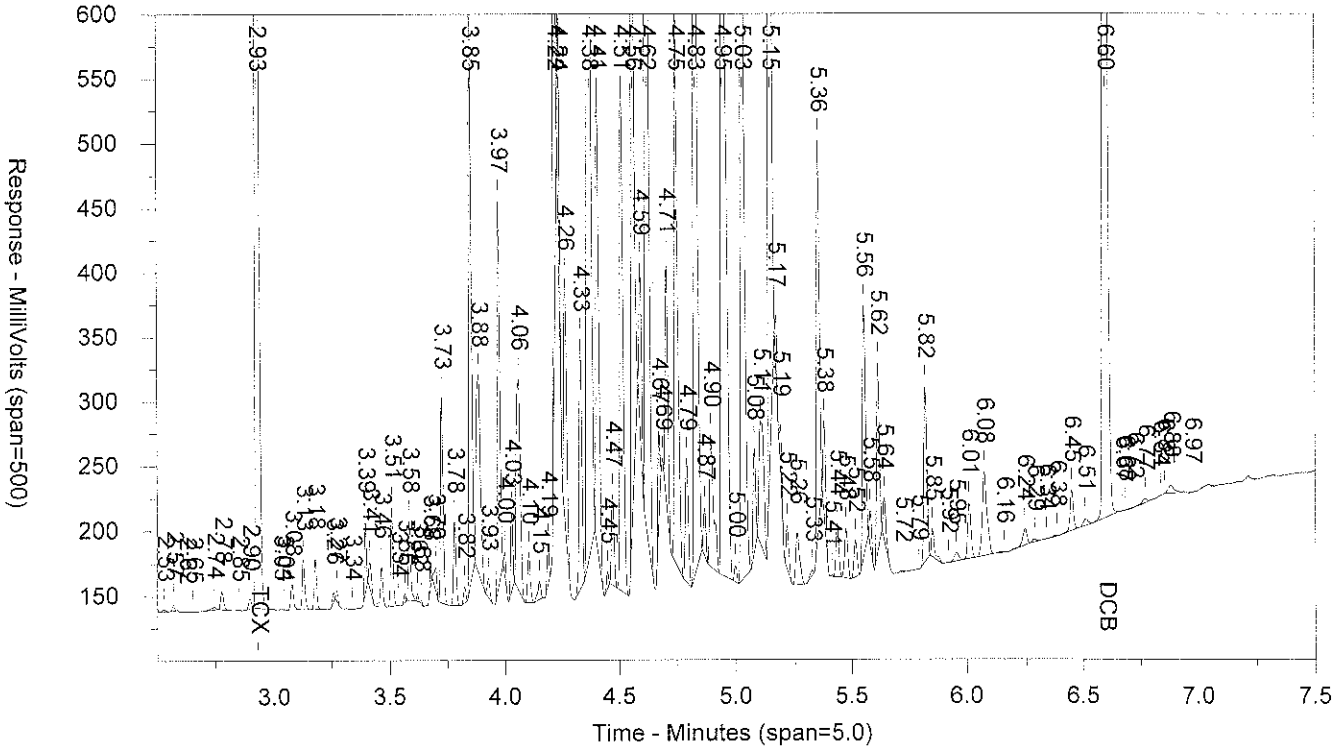

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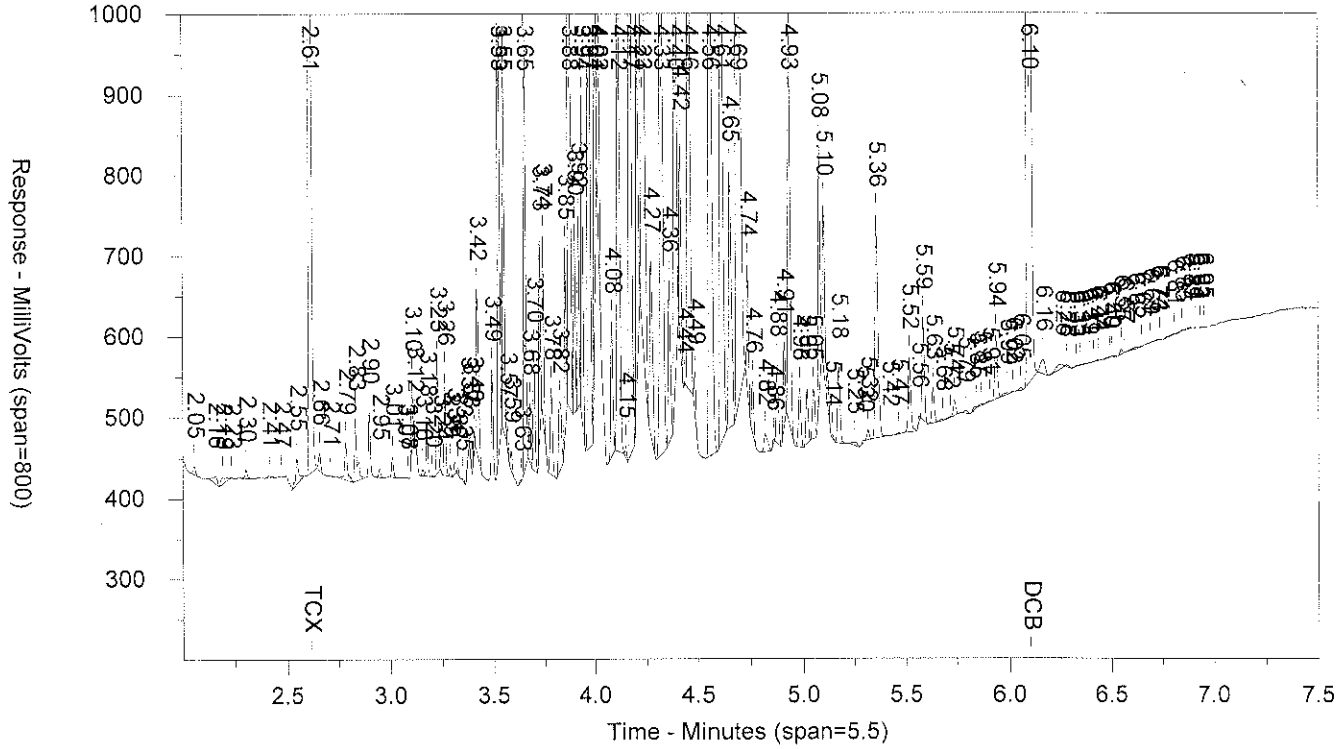

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082
Injected On: 10/9/2017 7:53:51 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: 07pcbs17282001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.606		7509	32079
1.915		2987	1906
2.052		36884	54567
2.084		9823	10580
2.176		18240	29232
2.234		34487	38677
2.294		1588	639
2.334		16653	16678
2.496		6057	5517
2.546		2557	1675
2.659		6463	4220
2.787		9758	12443
2.833		8824	10109
2.864		13431	20699
2.902		5904	7022
2.937	TCX	5577314	3690603
3.038		3301	3117
3.134		81964	55152
3.265		17661	12517
3.575		28932	19207
3.601		6188	7792
3.677		13877	12472
3.86		2187	1022
3.882		740	215
3.892		2046	2516
3.924		3140	1767
3.939		872	102
3.958		2496	1345
4.053		1311	548
4.175		9296	8472
4.223		18322	17805
4.254		9348	7609
4.28		9244	8945
4.322		1829	1264
4.382		1517	662
4.447		3213	1798
4.482		8408	10048
4.517		5343	5089
4.606		2231	2822
4.751		1612	1086
4.795		2256	2193
4.848		4275	4636
4.884		4252	3367
4.901		2998	1838
4.975		2228	6146
5.04		3993	3566
5.12		7495	7295
5.261		8385	14689
5.343		5111	14584
5.372		1767	819
5.448		7370	15460
5.484		2214	2273
5.532		3999	3836

RT A	Compound A	Height A	Area A
5.601		3158	3247
5.653		28837	33334
5.735		6840	9429
5.793		1222	585
5.83		1880	694
5.959		2597	2795
6.023		66896	67006
6.088		91470	106919
6.145		1843	1110
6.201		9208	10327
6.234		2157	2326
6.26		2437	2422
6.34		1924	637
6.364		1769	909
6.432		1811	957
6.461		45753	40222
6.607	DCB	3691609	3761675
6.752		4882	4642
6.87		1438	426
6.925		1065	807
7.008		2789	2382
7.049		2232	1008
7.074		4202	4211
7.152		1473	1491
7.169		2500	586
7.286		1117	1679
7.349		1838	1167
7.434		3655	2874
7.498		2119	1371
7.849		1195	479
7.949		1100	680
7.965		1528	319
8.05		1615	503
8.078		1818	2151
8.113		1539	533
8.177		954	859
8.197		1333	603
8.245		1318	964
8.402		1637	583
8.452		972	313
8.57		1439	1185
8.678		1235	1193

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082
Injected On: 10/9/2017 7:53:51 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: 07pcbs17282001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.559		2535	2777
1.772		30994	38622
1.904		45764	39007
1.965		6740	10791
2.03		13234	10945
2.123		5768	6945
2.16		4060	4312
2.207		1705	749
2.265		1333	820
2.32		3754	2903
2.34		9061	4709
2.387		3431	2823
2.415		3351	2063
2.508		8779	13169
2.527		14244	13370
2.592	TCX	7413084	4857806
2.688		4658	5262
2.755		12759	8250
2.776		4480	2319
2.81		107706	71670
2.864		3451	4544
2.926		21286	11802
2.97		1479	872
2.991		6504	4086
3.051		3788	3436
3.109		14184	27745
3.195		1956	1900
3.271		34929	22009
3.307		13320	13321
3.353		5789	10632
3.43		2941	1943
3.505		4101	4460
3.574		13079	10937
3.619		18530	35363
3.695		5053	8415
3.747		6888	4174
3.762		6162	3191
3.786		12820	19961
3.862		4765	8555
3.897		3277	1781
3.92		14055	12840
3.998		9941	11548
4.051		11616	8314
4.131		5129	11673
4.196		3390	5801
4.289		8302	7277
4.416		8745	14535
4.447		1790	2464
4.558		8136	8058
4.619		5066	3137
4.64		9331	6262
4.703		2038	8682
4.82		14248	15352
4.912		6381	9132

5.008		1194	4503
5.035		4927	4458
5.157		16654	13165
5.198		6485	7633
5.23		6405	6935
5.319		3322	3371
5.354		11138	11237
5.446		6504	13894
5.501		60867	54346
5.54		6676	5598
5.569		60213	49007
5.621		4703	5695
5.686		2231	2848
5.726		4572	5460
5.823		16762	31673
5.901		1231	771
5.927		64811	56172
5.958		3305	2278
6.087	DCB	6300916	6010600
6.338		11335	20518
6.488		4024	6198
6.542		4218	4364
6.575		12578	21250
6.638		3629	5778
6.709		1893	2626
6.807		9881	14605
6.852		4208	10948
6.957		1701	1464
7.04		12704	18462
7.082		3309	2861
7.189		2798	3306
7.227		3190	3252
7.305		7972	12690
7.373		2031	2334
7.607		5928	13187
7.959		2953	6786
8.08		1821	3061
8.17		9501	17222
8.386		3033	8574
8.656		1231	766

IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082

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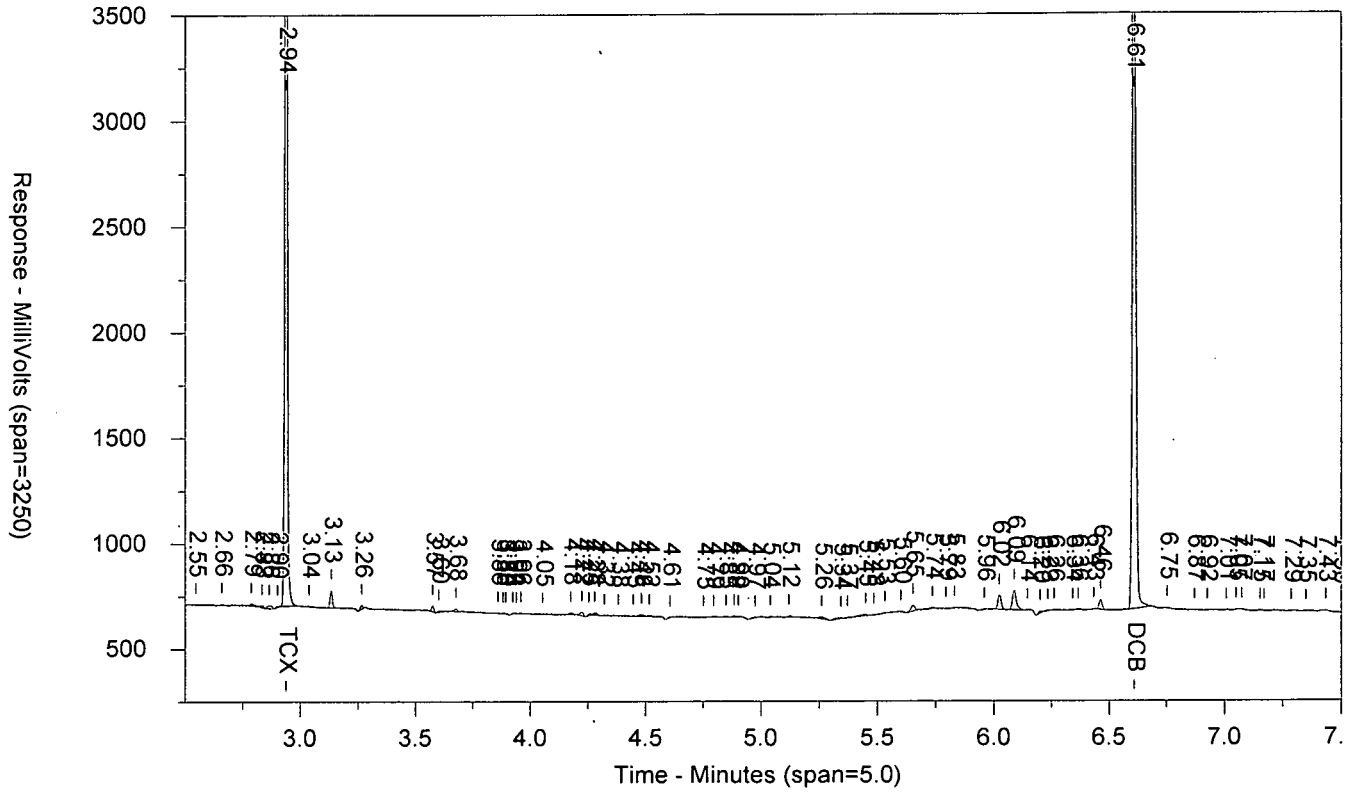

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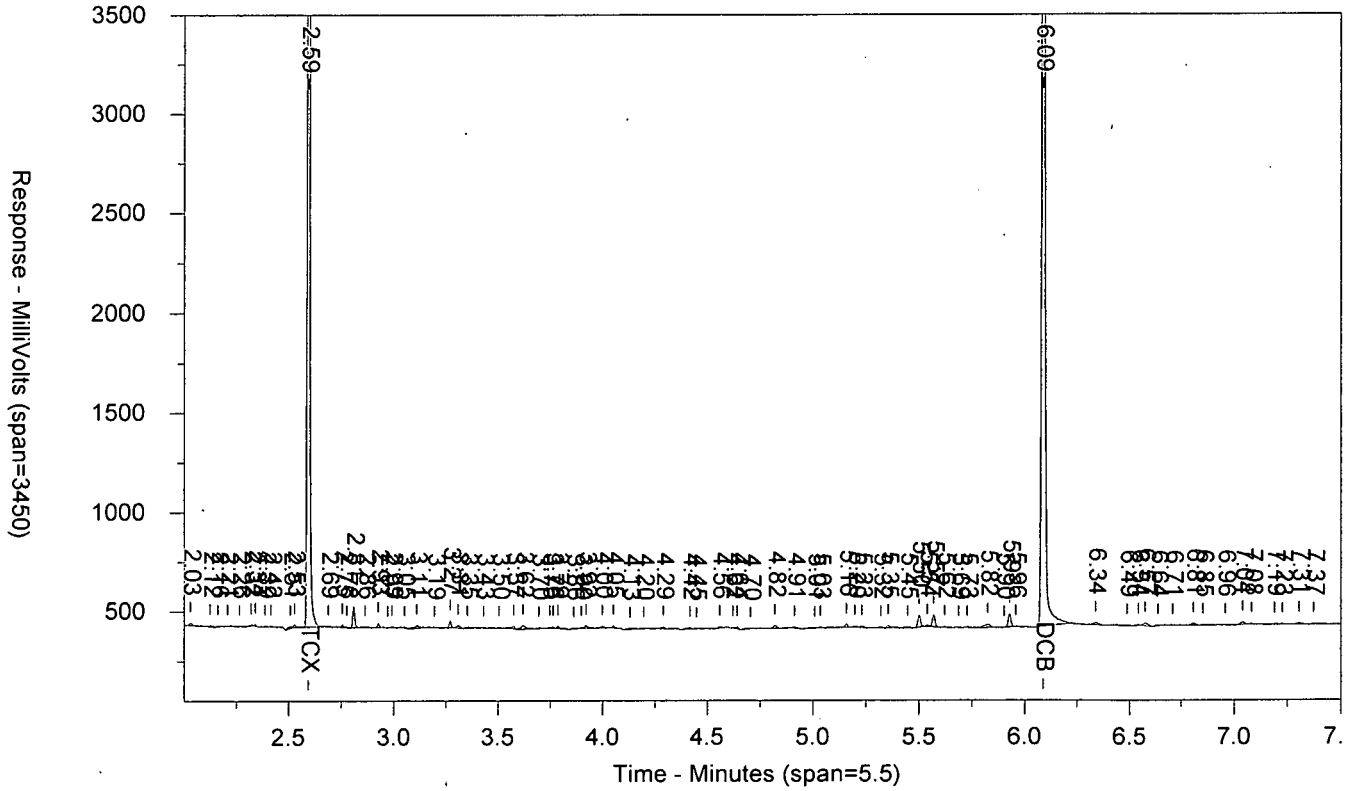

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082
Injected On: 10/9/2017 7:53:51 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
2.937	5577314	.198	TCX	2.592	7413084	.232	TCX
6.607	3691609	.193	DCB	6.087	6300916	.201	DCB

Files:
Area File: 07pcbs17282001.0005.RAW
Area File: 07pcbs17282001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:33:55 PM
File Reported On: 10/10/2017 at 2:40:51 PM

IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082

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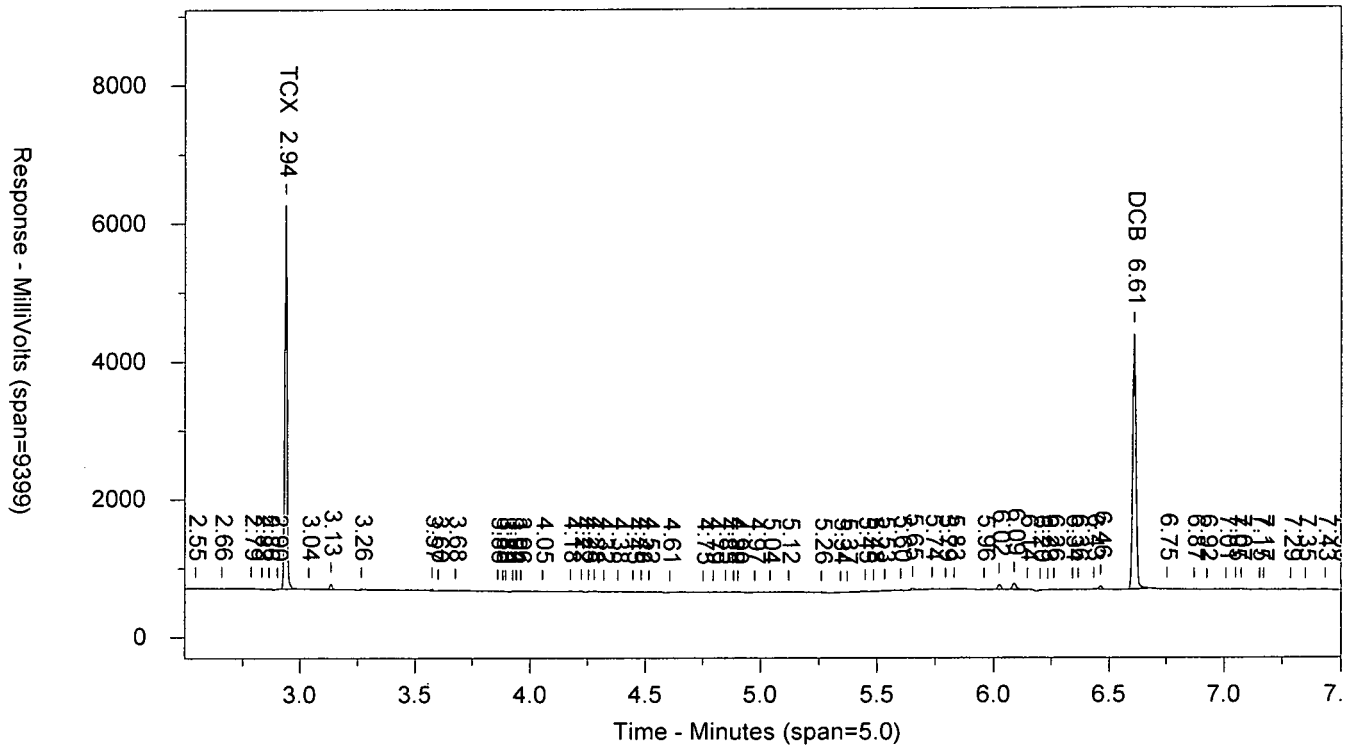

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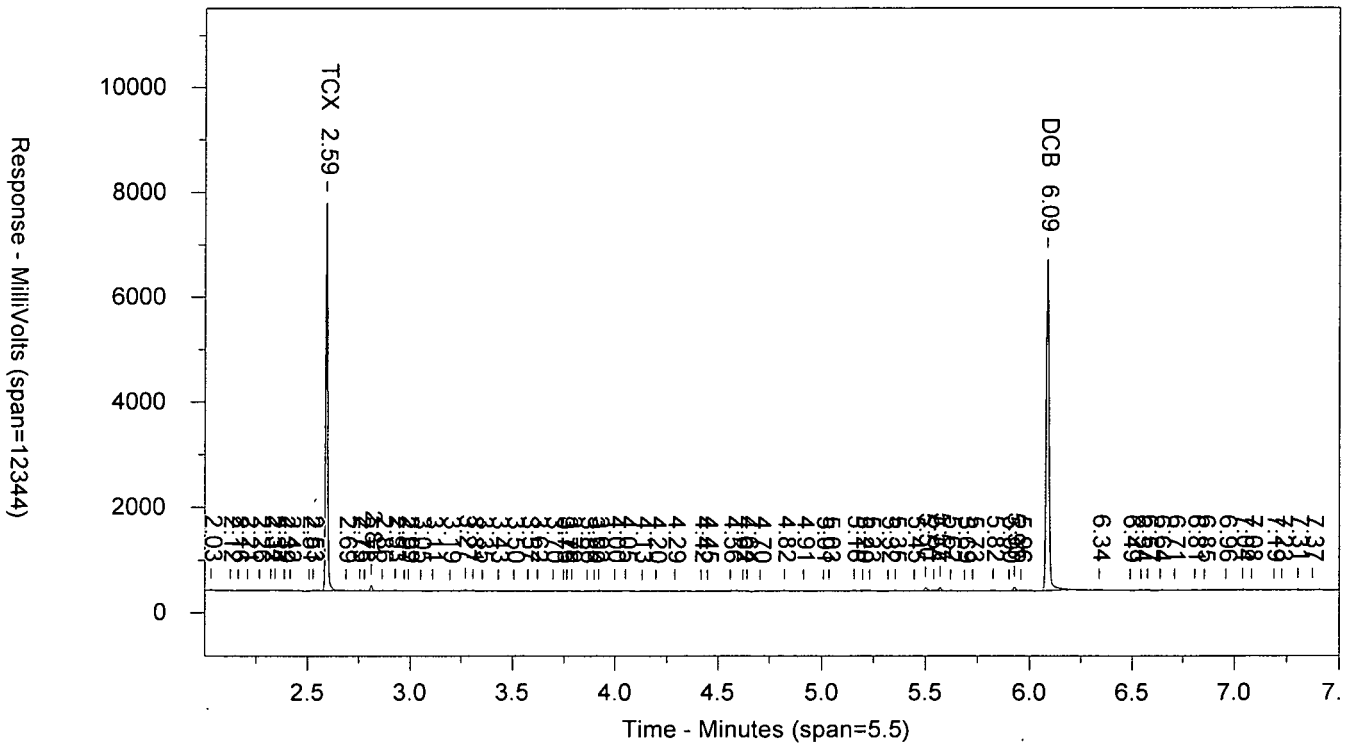

IBLKX1724B AAPIBLKAA PIBLK1728199999 10227 SW-846 8082

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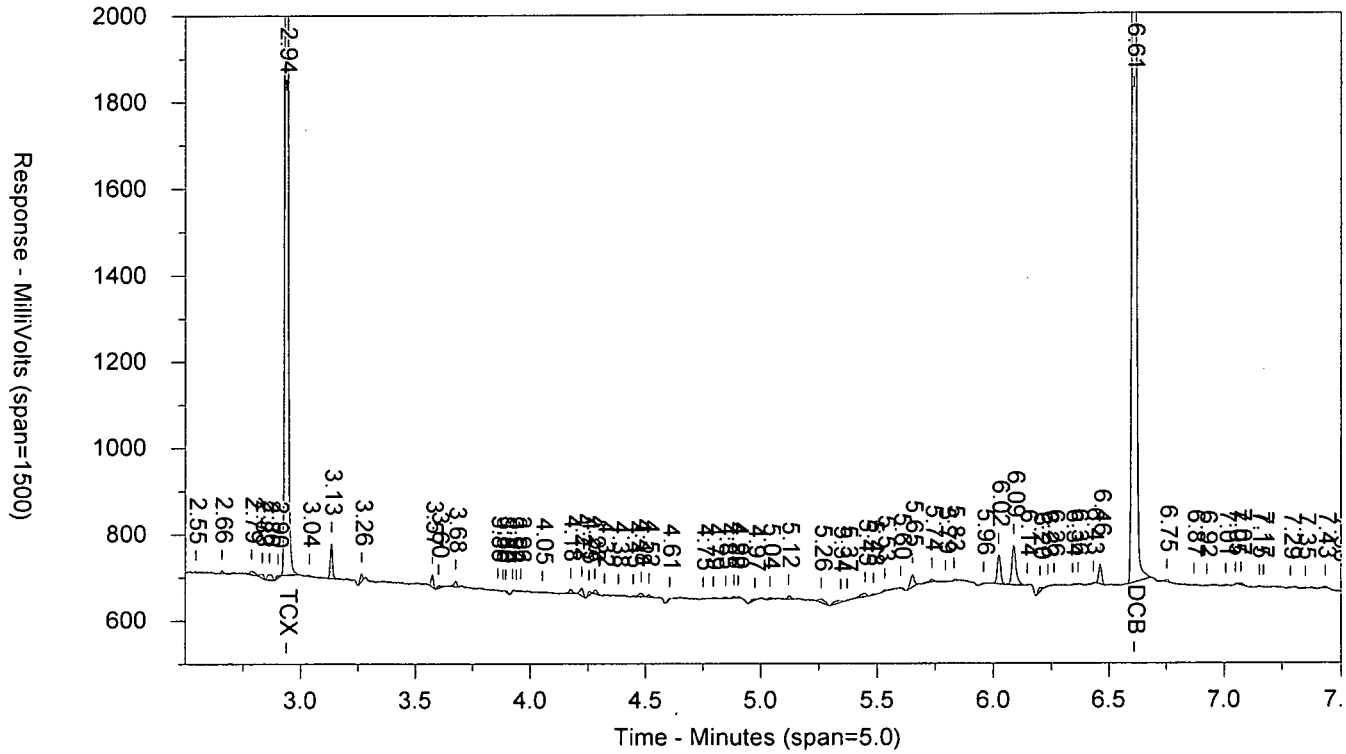

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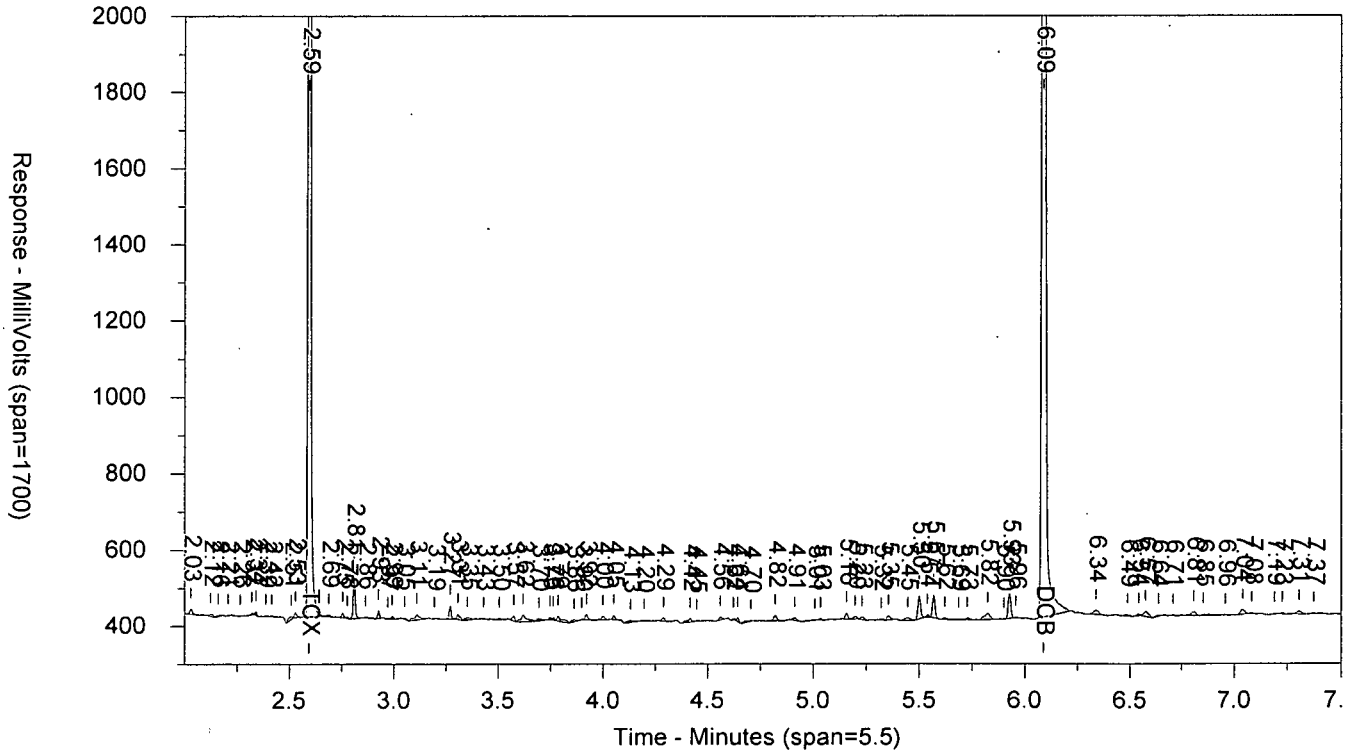

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:05:18 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: 07pcbs17282001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.613		8153	44618
2.008		11128	14197
2.06		15427	33610
2.088		4884	3163
2.134		12864	12458
2.176		2679	3765
2.235		24269	17165
2.341		57056	48089
2.512		91112	85958
2.55		5947	7383
2.787		4816	3570
2.864		19308	28484
2.906		5938	9216
2.937	TCX	5583563	3641530
3.025		4178	2203
3.135		82974	53623
3.216		4069345	2504721
3.266		25237	27684
3.316		4923	2876
3.413		3092983	2016533
3.449		9054	5513
3.496		2588	1701
3.525		1402352	913205
3.575		17547	10971
3.599		10186	9636
3.677		17196	14009
3.7		82478	54345
3.723		9809	6339
3.78		3081	1787
3.819		183288	141521
3.847		4984	2305
3.856		2577	1642
3.882		1192	249
3.929		10780	10304
3.966		2269	3267
4.055		5789	3494
4.087		47390	38268
4.139		6428	5739
4.174		87271	71484
4.21		23988	15785
4.226		39942	25182
4.261		4143	5123
4.28		12259	20599
4.345		8443	8256
4.386		401772	355344
4.443		2656	2158
4.472		7627	5337
4.505		4251	2355
4.514		7900	3851
4.537		13853	8447
4.578		101423	79546
4.606		6314	6267
4.65		18053	15951

RT A	Compound A	Height A	Area A
4.703		342977	334982
4.805		298393	271651
4.842		5982144	5071572
4.866		101739	56792
4.891		19587	11068
4.947		709922	676014
4.98		7447	9159
5.033		62648	75808
5.097		559445	544603
5.153		7786	5075
5.183		5183095	4728352
5.26		41760	57616
5.32		3699	3217
5.403		235816	221358
5.437		42913	58451
5.474		5482	2141
5.496		10177	6484
5.508		3211	578
5.543		5816354	5693038
5.587		243352	183131
5.625		1549395	1469426
5.731		3237	3294
5.827		1530	703
5.95		2553	1495
6.023		61884	61897
6.088		58994	62082
6.156		2085	1758
6.257		5119	13369
6.46		51923	52337
6.607	DCB	3893810	3961537
6.745		1870	1399
6.94		1388	632
7.007		1389	712
7.281		973	972
7.296		1403	357
7.339		1551	669
7.471		1907	1224
7.563		1610	1112
7.659		1983	868
7.779		1824	1200
7.796		1847	641
7.943		1271	1920
8.031		1412	646
8.152		1277	435
8.212		2061	527
8.284		1710	343
8.314		1181	402
8.441		1641	488
8.621		2557	3909
8.668		1484	1261

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:05:18 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: 07pcbs17282001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.701		9543	8262
1.77		9898	17825
1.818		8469	21830
1.868		20574	21568
1.903		55150	68529
1.965		8831	19749
2.03		15150	12082
2.129		72450	47767
2.162		4575	4662
2.183		6252	3944
2.297		114947	73718
2.385		5733	6756
2.509		7310	15401
2.525		7208	5141
2.592	TCX	7101426	4802917
2.682		7117	7080
2.732		1917	1179
2.755		5477	3693
2.81		109906	73599
2.865		4901	6414
2.939		5375710	3117568
3.057		9726	7467
3.094		15418	19572
3.148		4474280	2560087
3.222		6271	4208
3.249		9850	6000
3.27		16777	9563
3.307		19063	10553
3.33		1695252	1024194
3.388		4258	2228
3.411		4126	2225
3.43		11596	6094
3.452		286747	212207
3.483		4919	2184
3.527		19000	12404
3.545		4465	2149
3.572		9092	8581
3.604		6646	7259
3.627		5813	4470
3.695		7142	6086
3.739		86999	51805
3.758		33010	20374
3.791		4366	3076
3.818		49479	31226
3.84		52707	31282
3.874		12819	11605
3.92		13721	12282
3.972		474705	333678
3.999		8546	5247
4.047		25901	26299
4.102		8718	4511
4.127		114538	90990
4.171		27047	19572
4.215		30708	27247

4.346		403944	323782
4.401		8032998	6272004
4.442		100571	79729
4.497		1708329	1289756
4.535		31703	29627
4.608		70632	55891
4.635		33335	25940
4.674		12459050	9691620
4.732		824311	689179
4.848		52075	49185
4.883		13566	19560
4.972		5458	5061
5.002		501114	702239
5.106		12169500	11081880
5.162		65629	62615
5.278		2970953	2527150
5.332		116163	96589
5.45		3775	2824
5.501		59650	52675
5.57		58797	52831
5.619		3086	2779
5.928		74495	73780
6.086	DCB	6578787	6358922
6.539		4655	4092
6.778		8056	9115
6.863		1785	4075
7.402		3069	10986
8.173		8519	15376
8.248		1371	1010
8.577		1291	4259

EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 808

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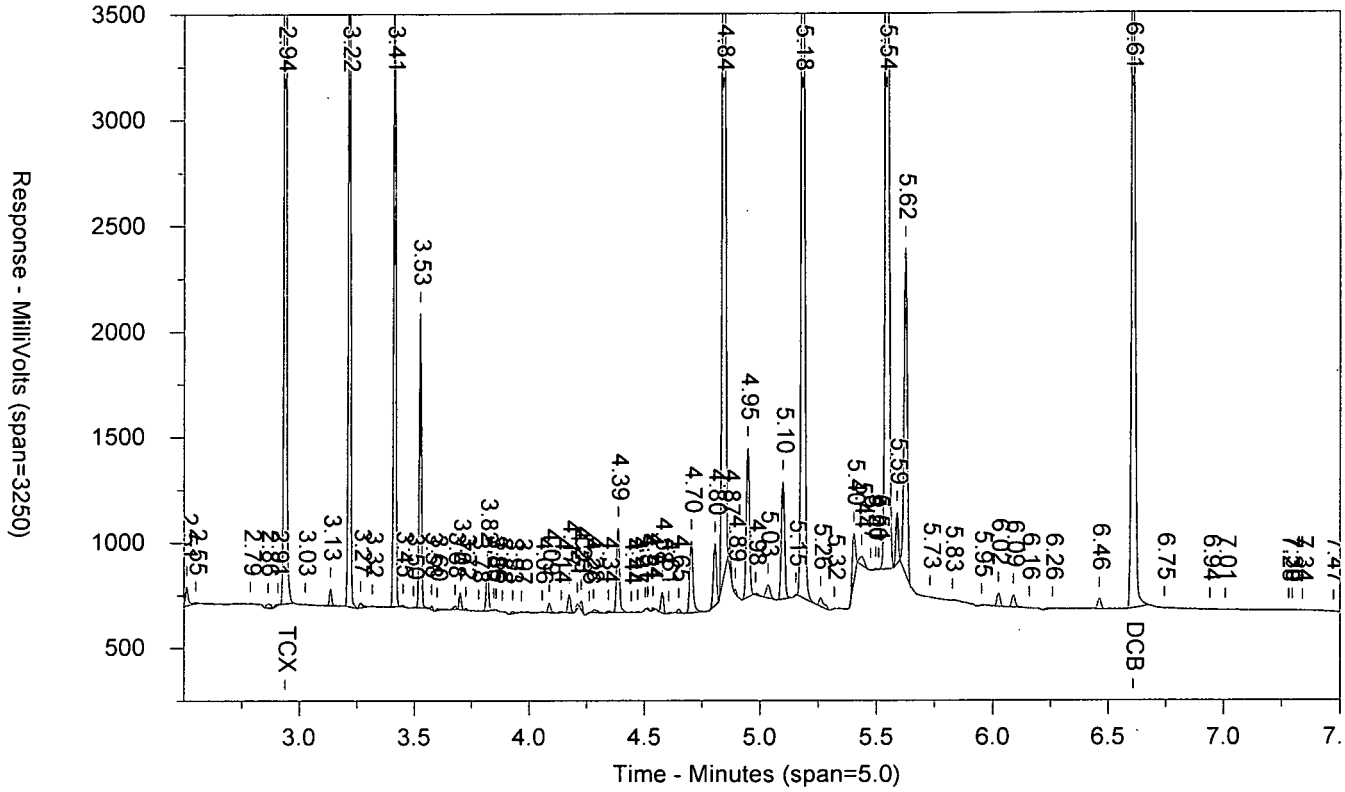

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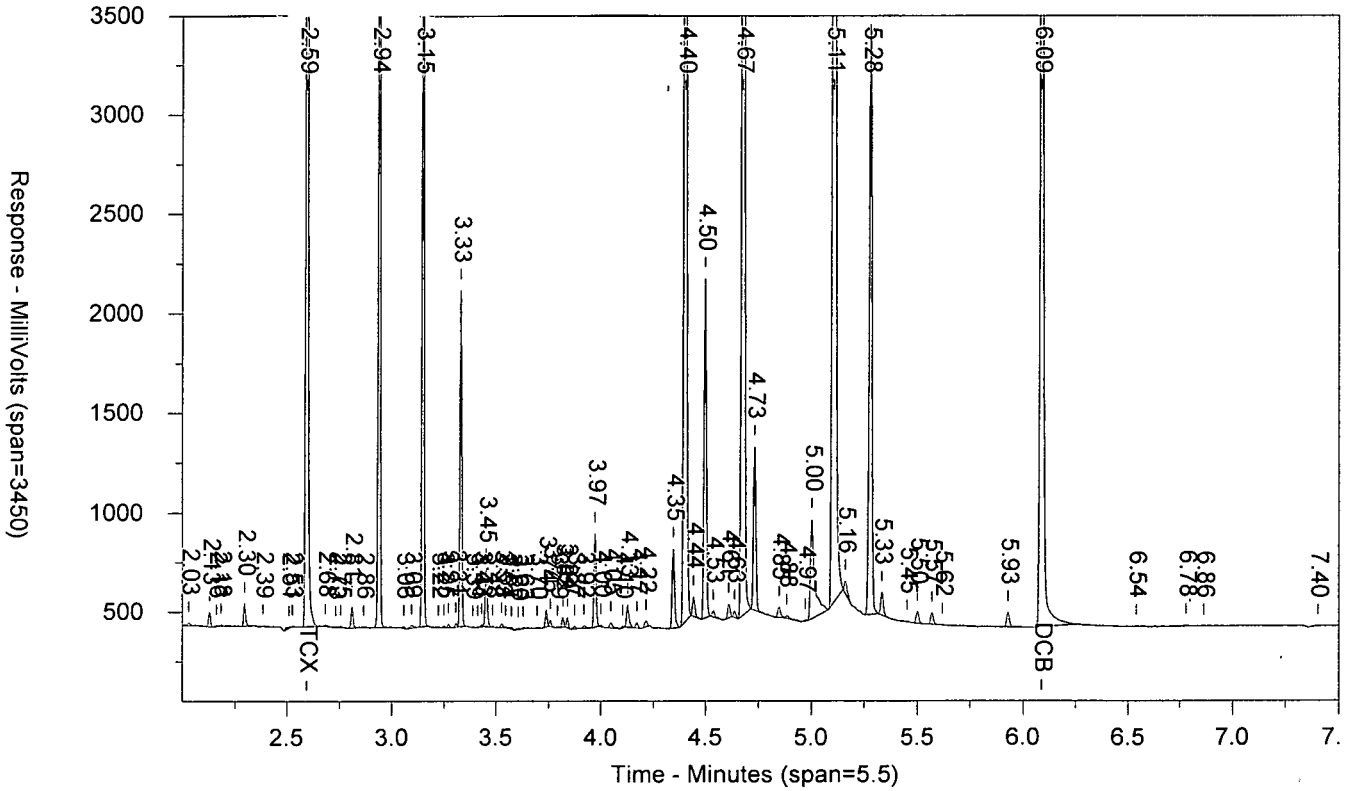

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:05:18 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
2.937	5583563	19.819	TCX	2.592	7101426	22.24	TCX
6.607	3893810	20.313	DCB	6.086	6578787	20.952	DCB

Files:
Area File: 07pcbs17282001.0006.RAW
Area File: 07pcbs17282001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:33:55 PM
File Reported On: 10/10/2017 at 2:41:11 PM

EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 808

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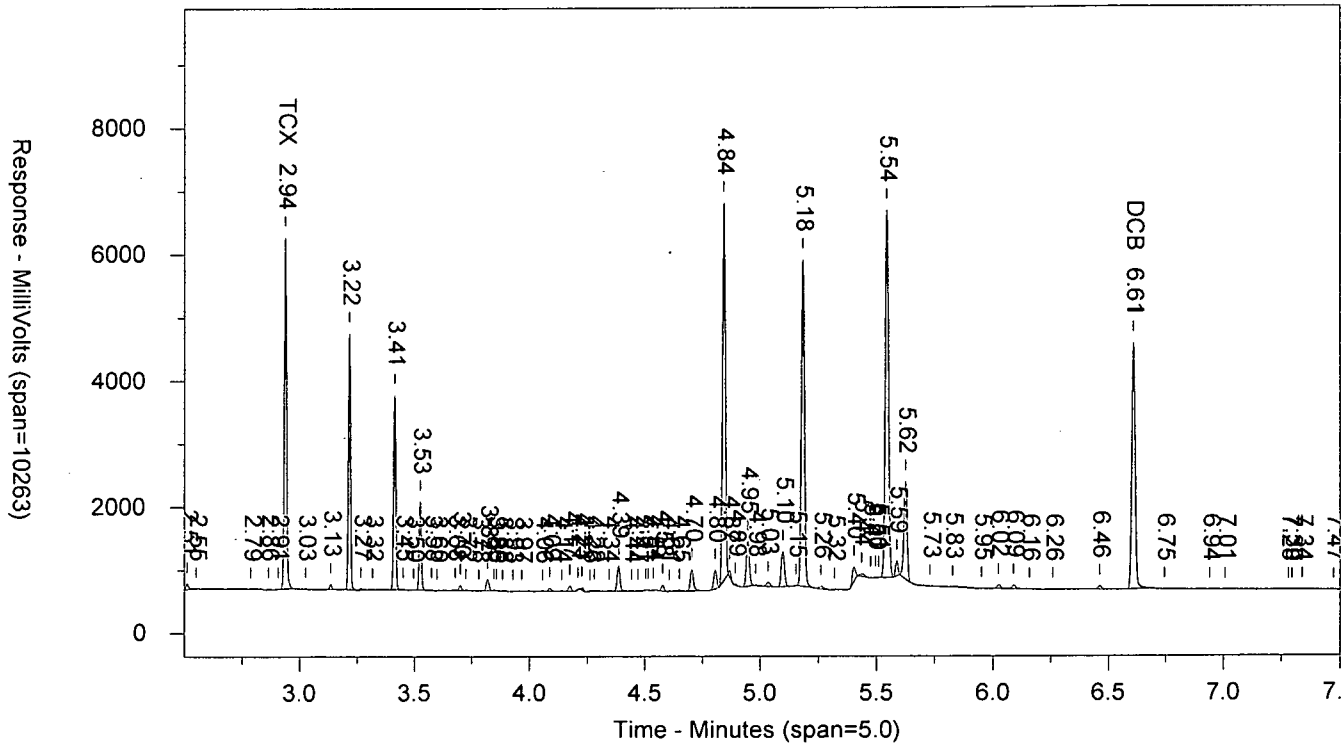

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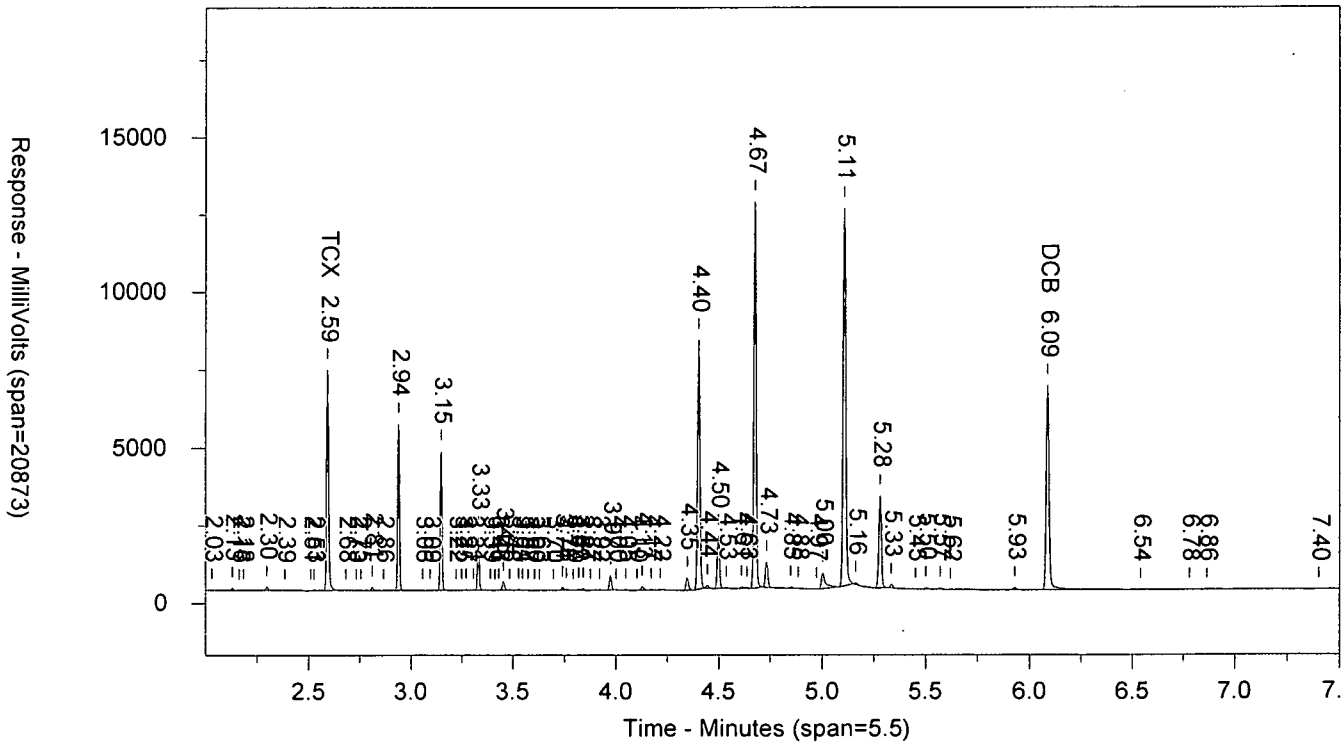

EVALX1724A AAEVALXAA ICAL 1728199999 10736 SW-846 808

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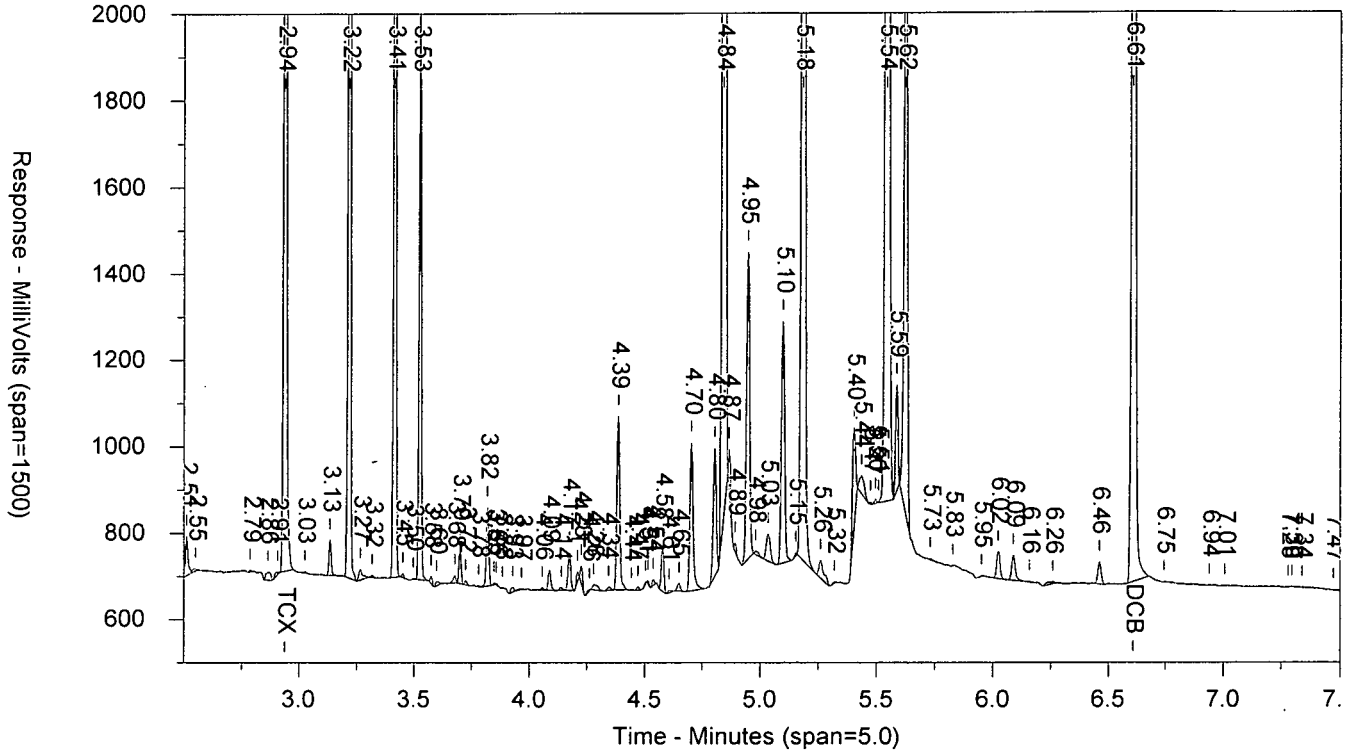

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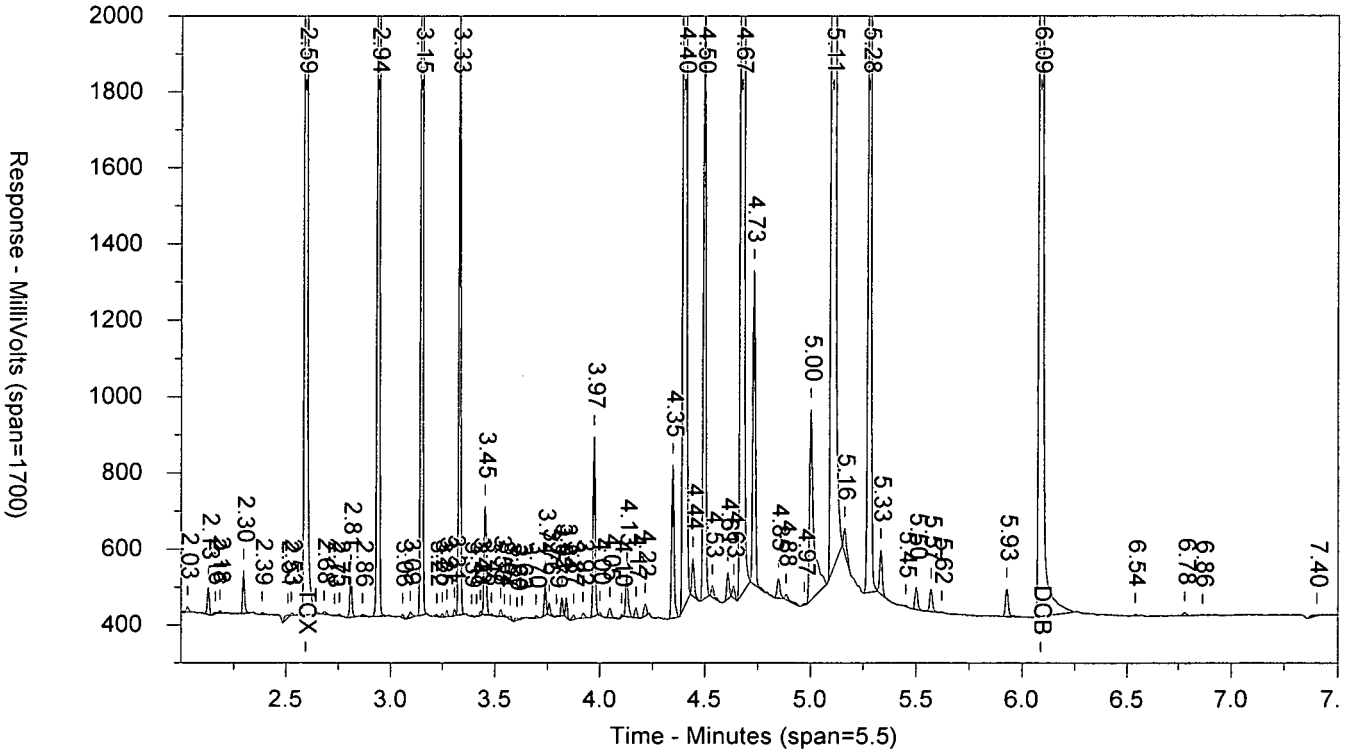

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:16:49 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: 07pcbs17282001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.614		5536	49926
1.79		2190	2066
1.828		1678	1653
2.054		25997	49562
2.092		5058	5364
2.184		5596	29072
2.236		2648	1263
2.334		42999	31554
2.524		7262	33964
2.683		2973	1414
2.787		4303	2376
2.827		10530	16107
2.866		20163	31087
2.907		7515	12248
2.938	TCX	600430	414888
3.087		22378	20243
3.143		32136	25939
3.19		142464	97421
3.266		6617	6257
3.283		18519	12282
3.405		150559	90621
3.421		70981	37545
3.459		16154	9419
3.475		2501	917
3.485		10075	5821
3.519		181592	132732
3.602		5391	4722
3.629		42380	23268
3.643		22873	11089
3.687		84702	47427
3.697		168419	81543
3.734		217977	158779
3.792		175867	131991
3.834		13344	8406
3.862		131038	94274
3.888		98626	81318
3.909		12599	5511
3.984		139730	100640
4.008		54405	35323
4.039		57921	39156
4.073		144141	140813
4.113		45856	33871
4.16		3864	2148
4.177		7583	4509
4.197		7656	4864
4.232		145526	106688
4.252		43238	23786
4.275		46280	39687
4.345		22246	17336
4.387		159031	151763
4.421		5197	2878
4.487		2337	1962
4.524		15715	14503

RT A	Compound A	Height A	Area A
4.575		27398	17528
4.593		32267	22469
4.637		100527	86492
4.686		159162	172890
4.722		34627	23967
4.761		311561	290663
4.846		46662	48305
4.881		2947	1280
4.909		59828	64046
4.96		307533	384534
5.011		62566	55605
5.051		137469	158735
5.097		1923	709
5.131		27501	30575
5.165		353066	316635
5.186		17165	7290
5.232		236470	211464
5.274		144239	141978
5.321		3613	5081
5.368		51001	39004
5.394		195066	188433
5.45		113679	103191
5.49		65434	65187
5.536		10549	13029
5.573		86534	93698
5.63		589777	716740
5.734		2515	2272
5.835		440904	430451
5.866		21017	13358
5.89		116872	133445
5.955		7246	10542
6.027		17420	17157
6.105		85815	113700
6.172		1745	1168
6.261		169647	186646
6.304		9410	9555
6.462		42362	41406
6.512		1951	2920
6.61	DCB	445638	473193
6.75		1638	865
6.79		1905	381
6.875		1589	391
7.029		1496	1631
7.164		1569	986
7.192		1757	359
7.288		1390	1006
7.299		1612	364
7.353		1704	593
7.516		1465	587
7.526		2115	2933
7.646		1529	616
7.834		1949	629
7.859		1516	884
8.015		1319	811
8.082		1333	417
8.101		1190	383
8.13		1397	432
8.144		1543	556
8.21		1557	771
8.227		1598	353
8.25		1864	934
8.289		1529	952
8.358		1782	434
8.391		2061	385
8.498		1669	641
8.549		1246	473

RT A	Compound A	Height A	Area A
8.586		2444	2349
8.635		1788	1141

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:16:49 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: 07pcbs17282001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.681		919	1191
1.722		10425	6533
1.77		24812	57441
1.813		8634	23777
1.901		58209	45989
1.964		5136	8951
2.173		1532	6422
2.213		2842	3474
2.299		2756	3576
2.36		3661	2680
2.386		5889	6473
2.506		9358	15437
2.526		11072	9570
2.568		2289	1301
2.592	TCX	750875	492829
2.635		14835	10318
2.764		37294	30440
2.81		8781	5537
2.825		36478	20573
2.877		187068	123618
2.94		3463	4433
2.988		23550	15504
3.084		246696	249976
3.136		25372	14556
3.157		9194	6220
3.183		17579	9445
3.206		222593	150681
3.243		8091	5492
3.271		3026	1581
3.29		58460	29507
3.306		38430	19294
3.356		98360	53525
3.365		206134	86527
3.385		6202	2500
3.398		211707	146159
3.472		220232	142738
3.508		158664	100529
3.531		164167	93576
3.549		52060	26252
3.634		184939	120968
3.657		69551	37644
3.678		63386	37229
3.707		41936	21961
3.724		150133	91811
3.764		54050	37421
3.812		7103	5841
3.833		32018	17704
3.856		202396	135854
3.881		39672	23125
3.901		5434	2353
3.92		33346	21938
3.955		160059	113227
3.989		5312	3083
4.003		12406	6640

4.052		12961	11956
4.087		6790	5877
4.126		2815	3657
4.155		42745	29647
4.197		50457	29936
4.215		40103	19422
4.228		116581	66326
4.254		68626	67929
4.306		360800	286733
4.354		7530	6835
4.376		26586	16178
4.4		87604	67436
4.442		433941	359993
4.544		341176	348594
4.597		43519	33289
4.636		108642	103635
4.671		413019	359004
4.704		235058	175472
4.742		164478	131286
4.84		51516	36957
4.891		291651	237074
4.914		30167	18923
4.965		165273	144013
5		80308	64099
5.031		60059	49030
5.063		17256	10037
5.086		668106	590801
5.126		7702	4523
5.157		24291	19680
5.194		4019	4175
5.278		9578	5898
5.301		164074	136958
5.347		420526	547565
5.501		16929	16221
5.55		9574	7454
5.569		11277	8560
5.62		87486	85181
5.729		197834	183053
5.76		7885	4906
5.929		66100	63007
6.088	DCB	813518	820357
6.375		1448	4819
6.574		2864	2449
7.527		1672	1644
8.012		1777	2558
8.171		7665	14185
8.388		1010	3754

AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082

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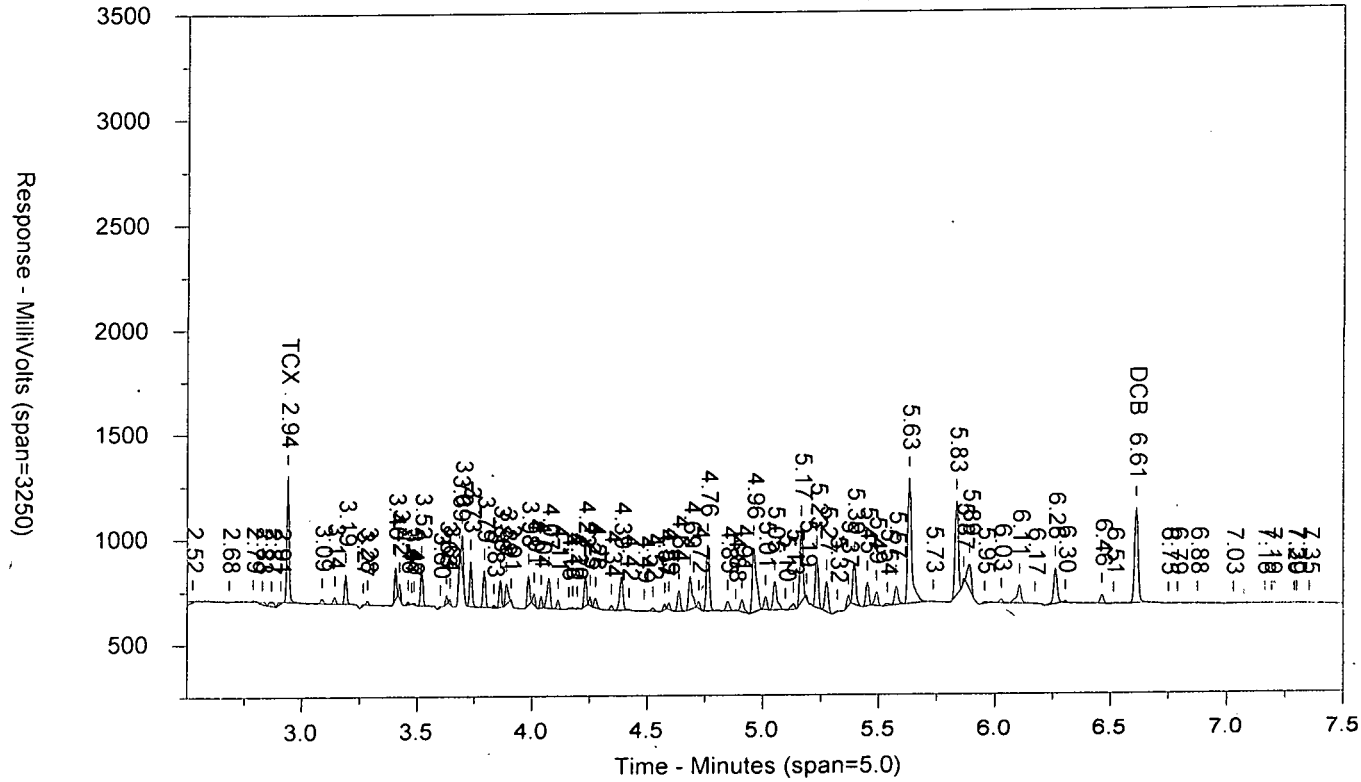

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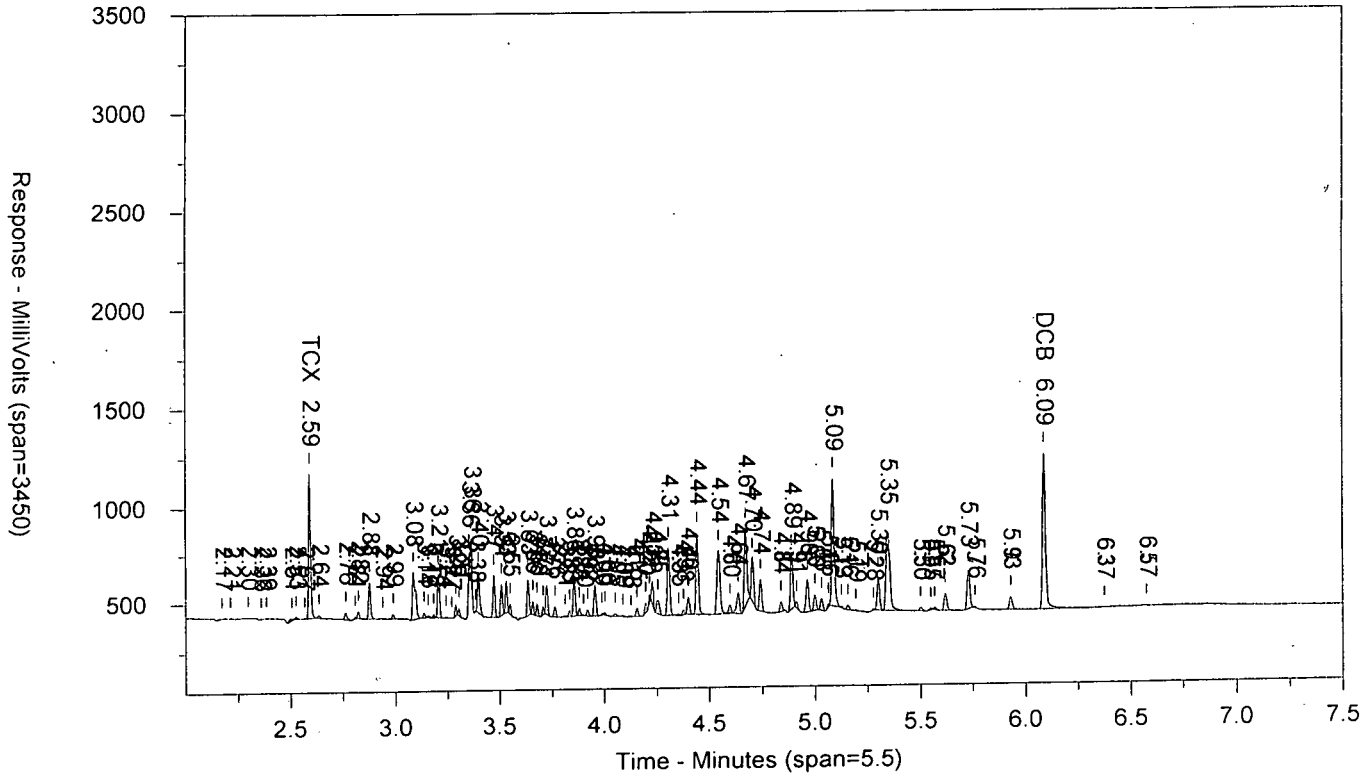

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:16:49 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
2.938	600430	2.108	TCX	2.592	750875	2.077	TCX
6.61	445638	2.342	DCB	6.088	813518	2.476	DCB

Files:
Area File: 07pcbs17282001.0007.RAW
Area File: 07pcbs17282001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 8:25:31 PM
File Reported On: 10/9/2017 at 8:25:43 PM

AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082

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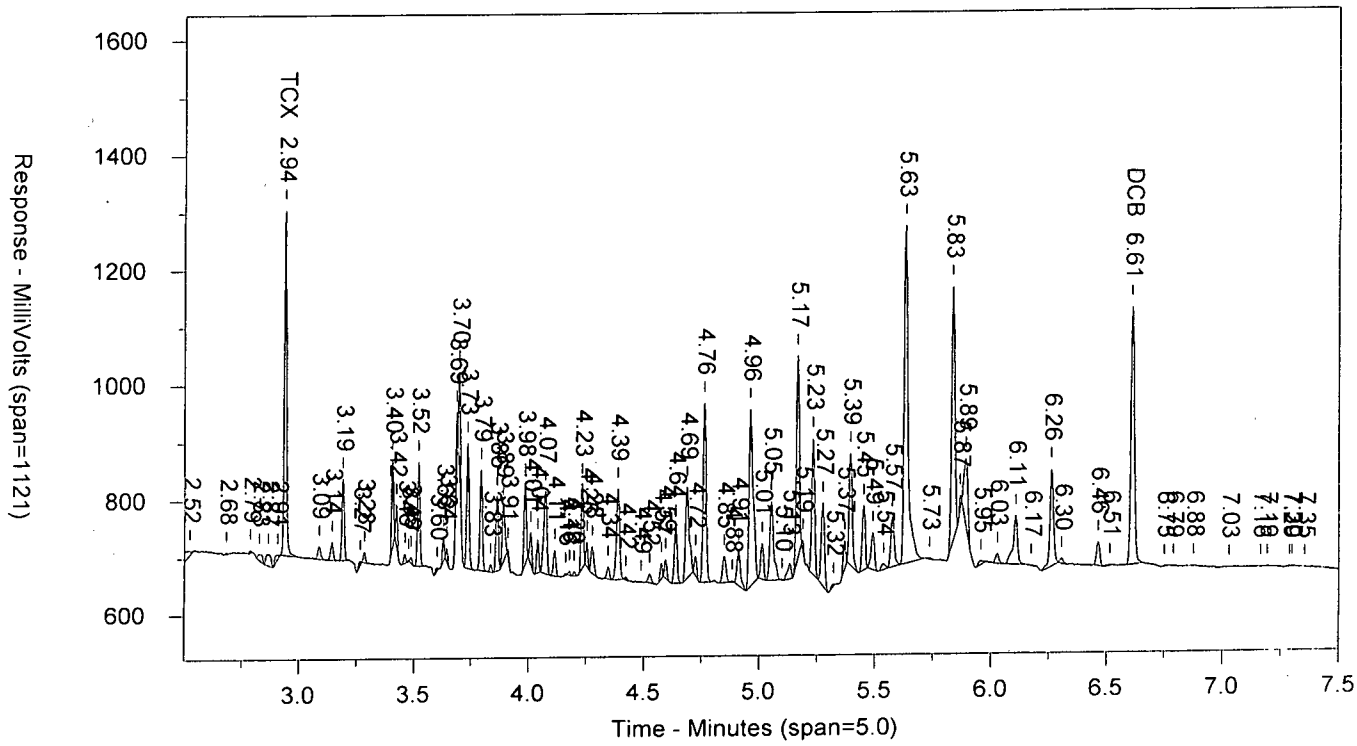

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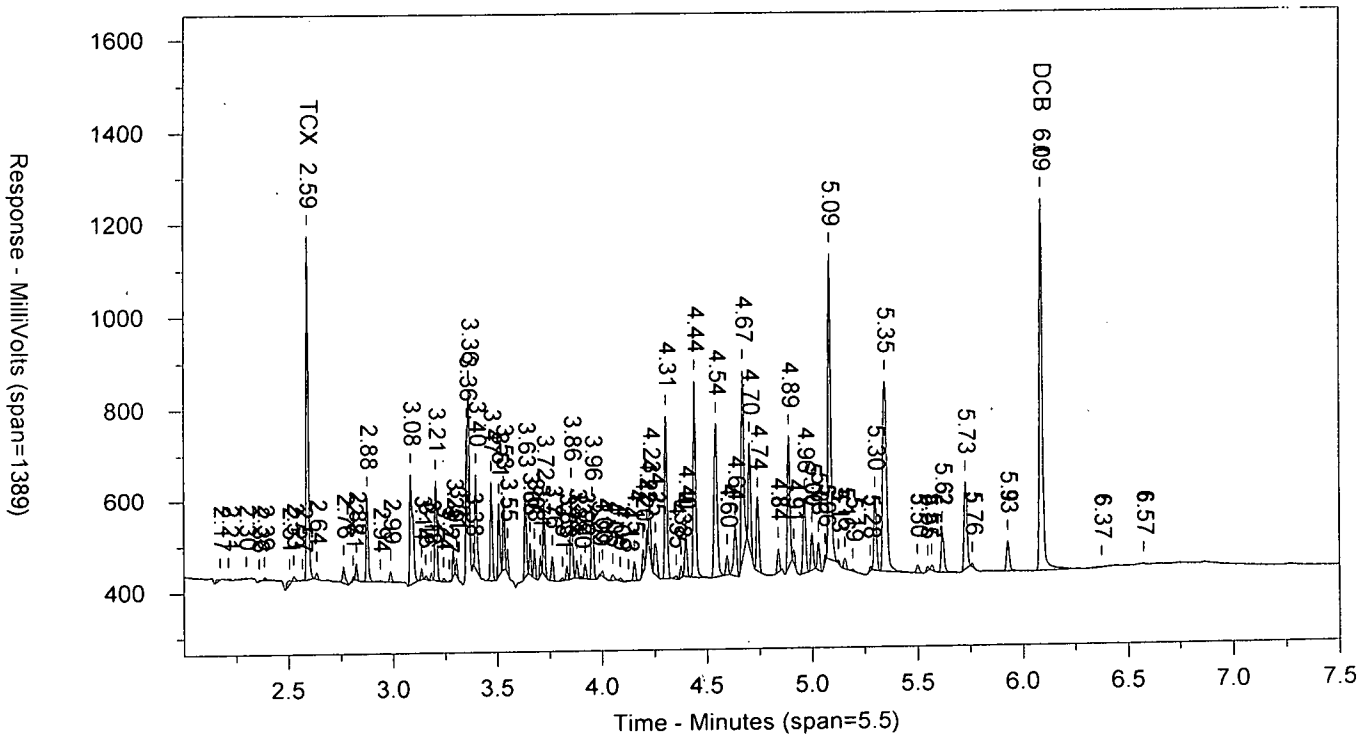

AR1611724B AAAR161AA ICAL 1728199999 10736 SW-846 8082

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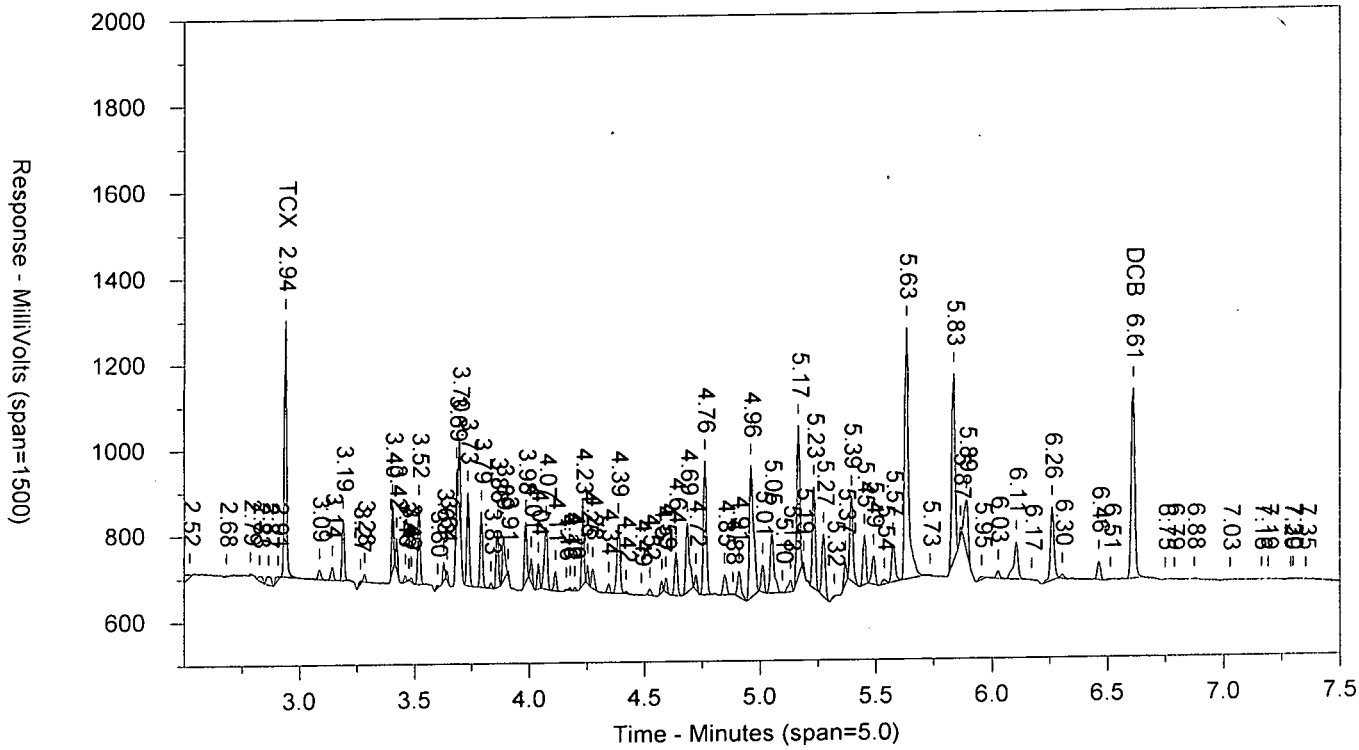

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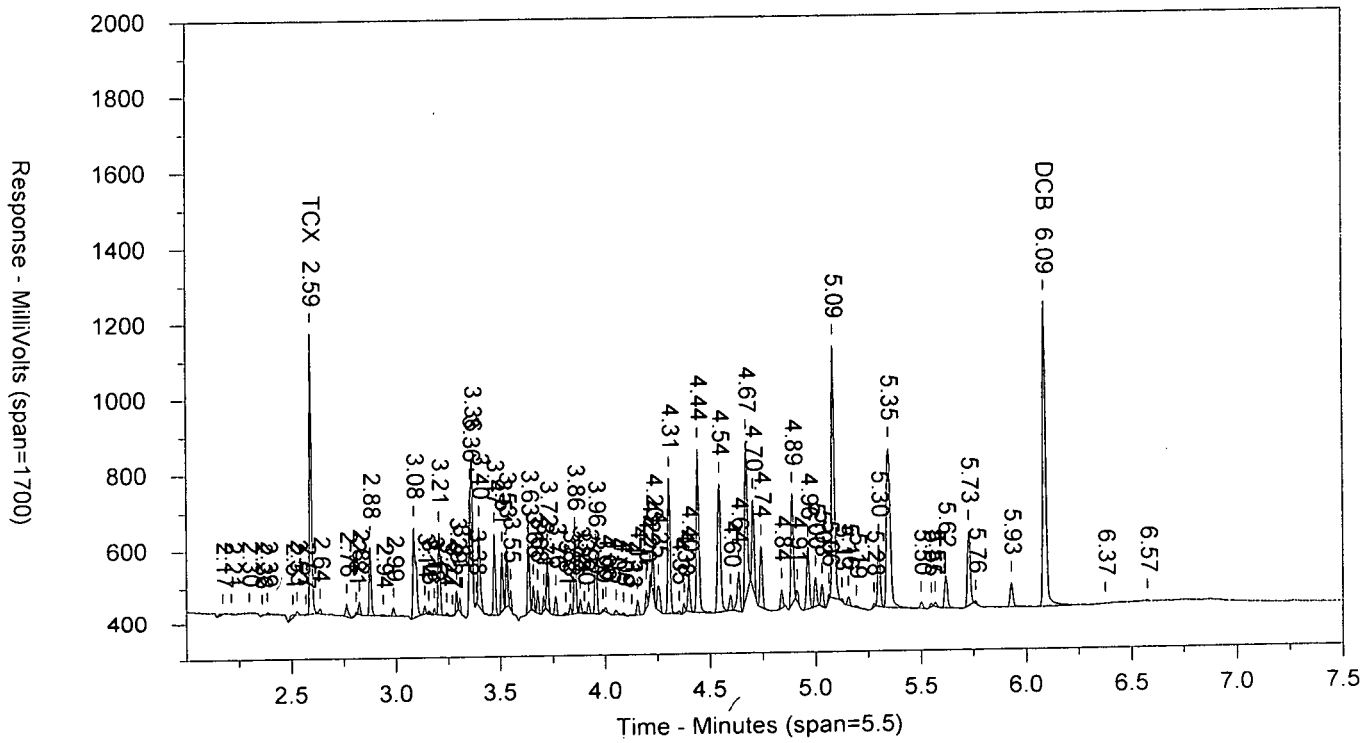

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:28:14 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: 07pcbs17282001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.615		6067	33773
2.058		13514	27181
2.095		3227	4316
2.18		10442	19776
2.235		6018	4298
2.333		39955	28628
2.514		11573	22441
2.544		10072	12426
2.595		2962	2489
2.68		2067	688
2.786		9771	7533
2.821		1752	900
2.864		11582	17995
2.907		4540	6796
2.937	TCX	1105233	755776
3.086		42376	36131
3.141		59679	46779
3.189		269906	184314
3.264		5073	3857
3.282		33127	21384
3.404		267607	165099
3.421		138837	70024
3.458		32160	18051
3.485		25730	19787
3.518		327281	237811
3.574		6395	3332
3.594		12831	8374
3.627		75669	43671
3.642		39354	19640
3.685		169652	94050
3.695		316385	148304
3.733		381205	288014
3.791		334086	246053
3.833		25532	16584
3.86		234694	168704
3.887		165755	137129
3.908		41825	19721
3.982		262514	179925
4.006		94251	62551
4.038		101310	72210
4.072		271578	256836
4.111		85354	64730
4.158		9994	5856
4.174		5401	2622
4.197		15701	10649
4.231		263832	191655
4.25		70394	38224
4.273		81535	66297
4.343		43424	33209
4.386		288843	273572
4.42		7979	4974
4.481		3967	2847
4.523		30098	26697

RT A	Compound A	Height A	Area A
4.575		32898	22753
4.591		75778	51298
4.635		180629	160987
4.684		276584	311780
4.721		61851	45245
4.76		543117	520876
4.805		3763	2517
4.846		83544	86567
4.88		5038	3145
4.906		100675	95330
4.959		543323	686279
5.009		114901	104372
5.05		243038	279943
5.131		53469	60148
5.164		616325	581143
5.185		22915	12164
5.204		8813	3855
5.229		421284	379997
5.272		257399	243331
5.367		87954	72586
5.391		371735	340521
5.449		208045	192671
5.488		124153	126113
5.53		24539	24174
5.572		164667	174758
5.629		1083456	1315646
5.833		775723	760121
5.864		44124	27138
5.888		200824	231457
6.023		33726	29403
6.103		163412	214522
6.259		306408	322063
6.303		15630	13433
6.46		82081	81270
6.569		1558	1194
6.607	DCB	808107	854134
6.739		1504	476
6.851		1548	331
6.875		1605	409
6.918		1738	519
7.049		1909	1410
7.088		1010	351
7.167		1167	331
7.209		1556	1112
7.243		2009	359
7.292		2652	1915
7.328		1630	455
7.458		1582	1169
7.852		1879	431
8.045		1962	689
8.065		1412	457
8.182		1274	479
8.212		1626	864
8.284		1250	475
8.347		1515	579
8.386		1592	789
8.575		1457	422

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:28:14 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: 07pcbs17282001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.723		6179	3441
1.772		12821	28219
1.817		11820	24096
1.844		11806	32779
1.9		58728	58277
1.962		8695	24936
2.029		5039	5142
2.132		7335	7623
2.182		4710	12745
2.249		2067	1702
2.278		2514	1430
2.304		2159	3150
2.386		5573	5058
2.5		11072	14202
2.527		12291	10861
2.592	TCX	1167373	767337
2.635		22731	15938
2.763		60095	46934
2.809		13415	5890
2.824		58734	32259
2.876		299667	191459
2.926		5066	3990
2.987		39899	27794
3.084		369117	375640
3.135		44634	26619
3.156		19470	11492
3.182		30019	16378
3.206		352763	238613
3.243		14092	9145
3.271		3961	2210
3.29		91866	47855
3.305		57828	28168
3.355		149612	80191
3.364		340348	143063
3.384		12558	4433
3.398		344238	237998
3.472		369314	237401
3.508		263489	167337
3.531		277743	155784
3.549		88240	43267
3.634		319956	211885
3.656		125642	66160
3.677		114656	68628
3.706		77748	39325
3.723		263713	161301
3.763		101180	69965
3.812		13971	11860
3.833		64963	37461
3.855		356009	234488
3.88		72744	42514
3.899		10431	4826
3.919		49464	33218
3.954		285550	201323
3.988		11528	6216

4.002		21970	12781
4.05		13084	12537
4.096		13122	16884
4.153		76570	55481
4.195		83571	52080
4.214		55834	28587
4.227		207928	119534
4.254		115233	119417
4.305		645751	513041
4.353		9767	8537
4.375		51448	33709
4.399		144871	111763
4.442		761385	639171
4.543		583571	616555
4.595		79062	67008
4.635		182954	162967
4.67		750264	638636
4.703		429733	314480
4.74		285763	230398
4.839		99480	99442
4.89		507156	413128
4.913		51636	30307
4.963		280913	260776
4.998		139238	111860
5.03		102342	84839
5.062		27171	17702
5.085		1116410	1038211
5.125		20978	14058
5.156		47574	37975
5.276		13943	8725
5.3		279240	244658
5.346		802029	971364
5.5		29819	28665
5.548		16132	12435
5.569		22227	16423
5.619		159733	149083
5.727		335503	313922
5.758		14243	9941
5.927		110325	106749
6.086	DCB	1227123	1250675
6.264		1923	2417
6.573		3503	6914
8.171		9693	17703
8.58		1284	1255

AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082

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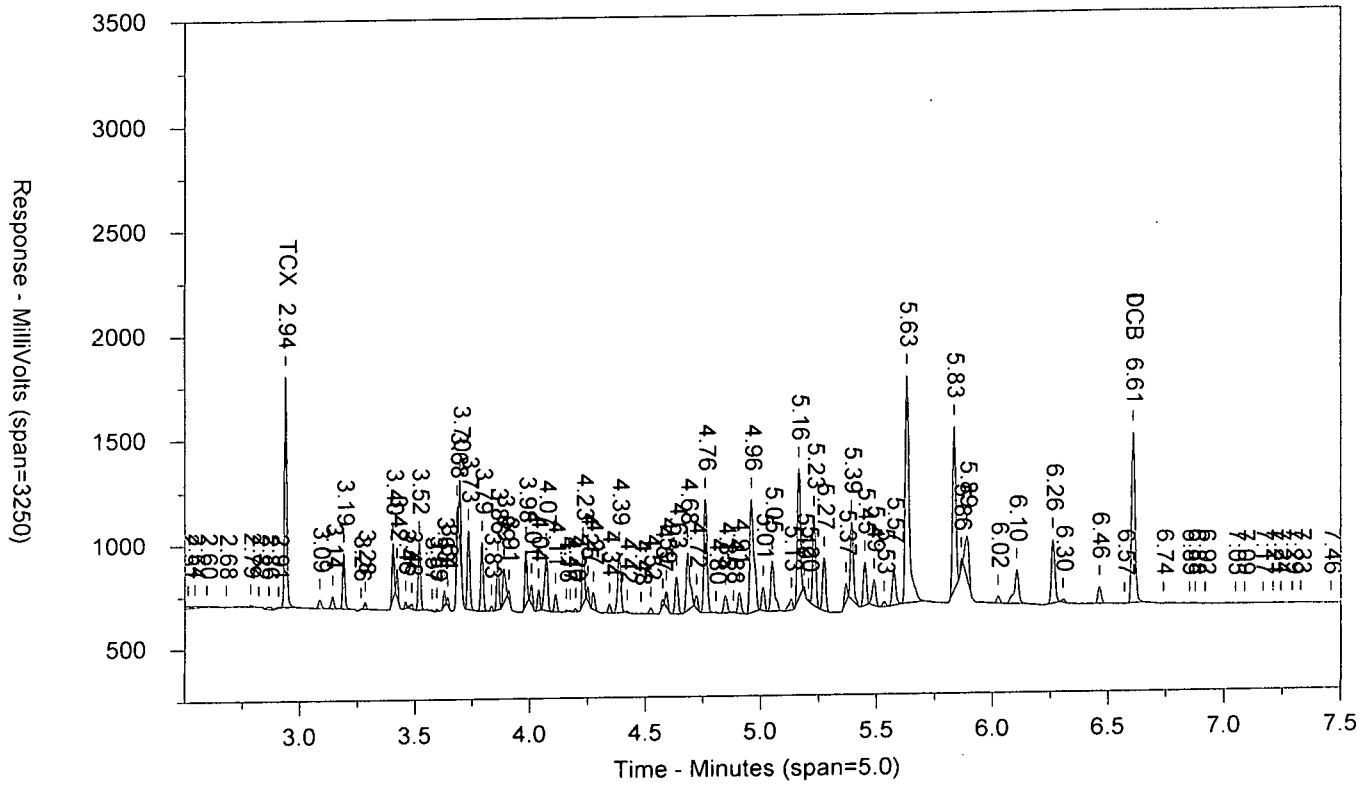

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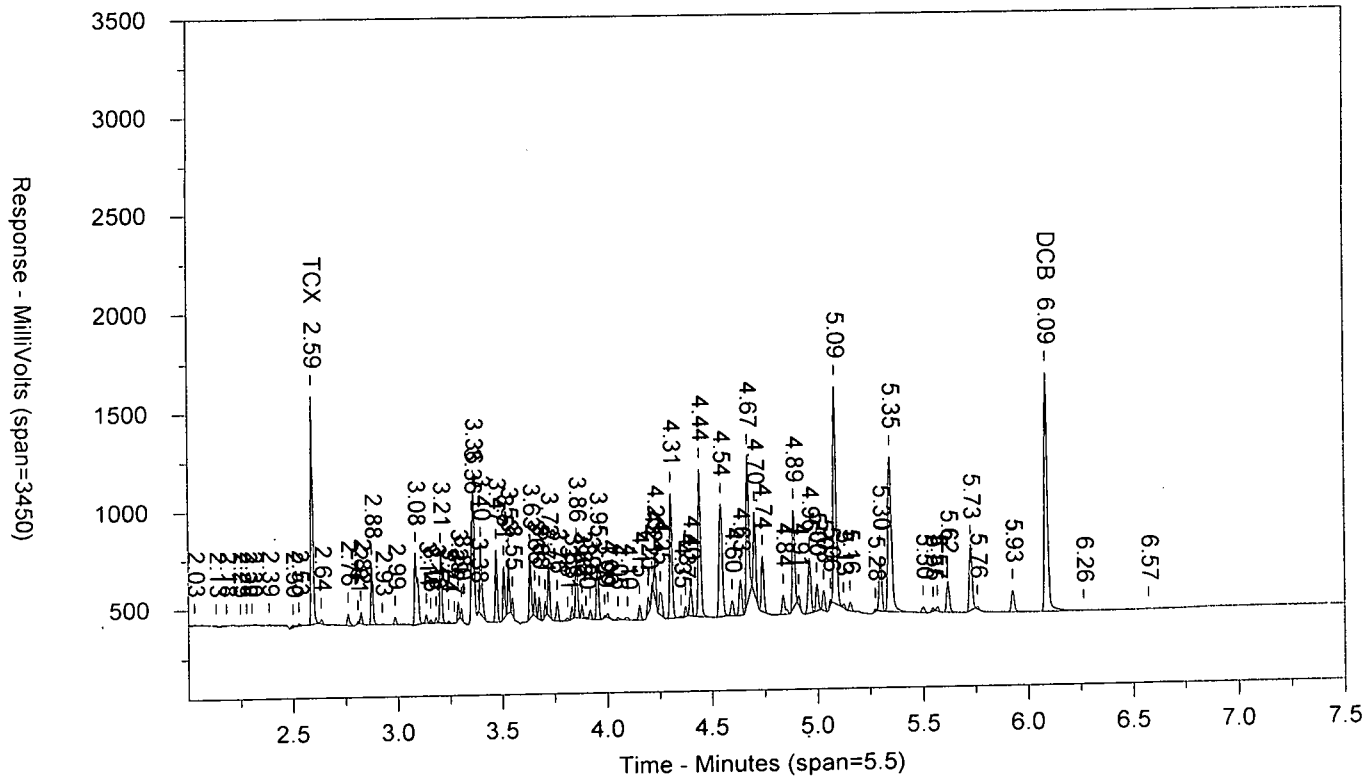

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:28:14 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
2.937	1105233	3.89	TCX	2.592	1167373	3.292	TCX
6.607	808107	4.244	DCB	6.086	1227123	3.685	DCB

Files:
Area File: 07pcbs17282001.0008.RAW
Area File: 07pcbs17282001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 8:36:58 PM
File Reported On: 10/9/2017 at 8:37:11 PM

AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082

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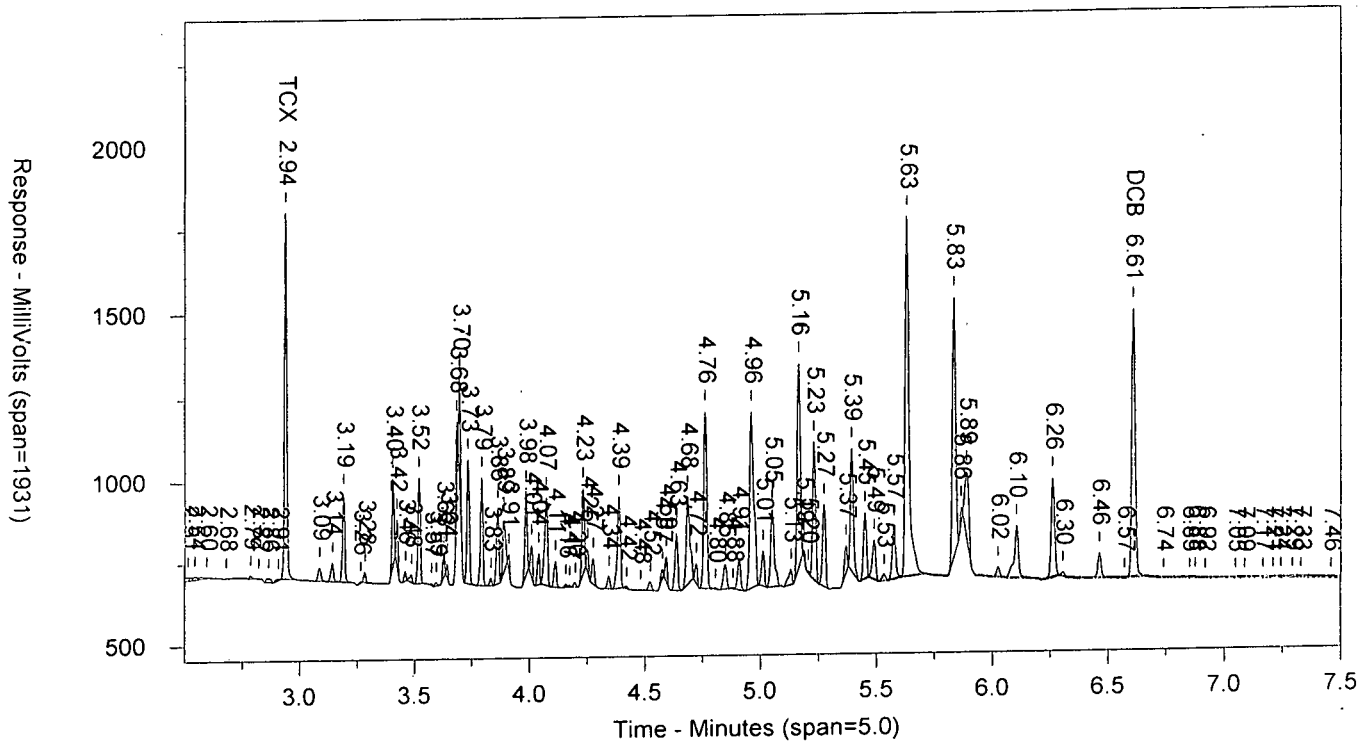

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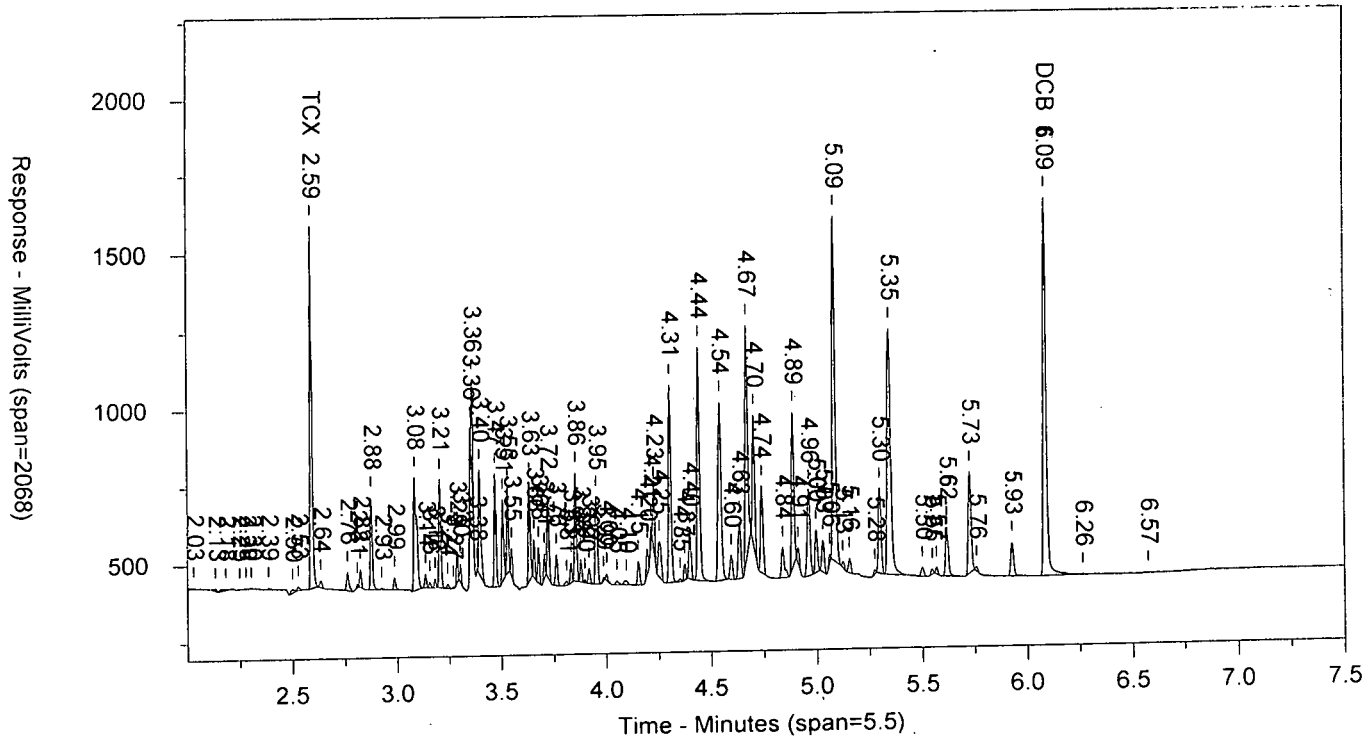

AR1621724B AAAR162AA ICAL 1728199999 10736 SW-846 8082

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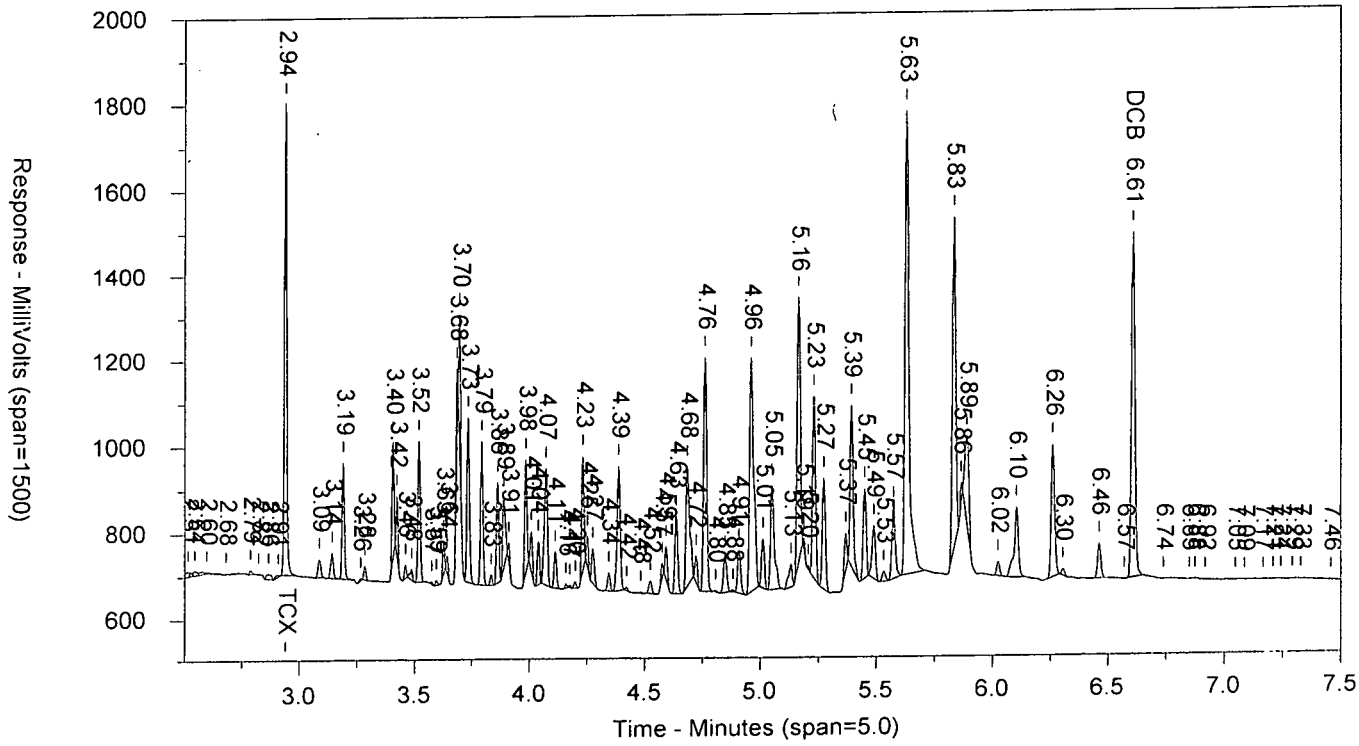

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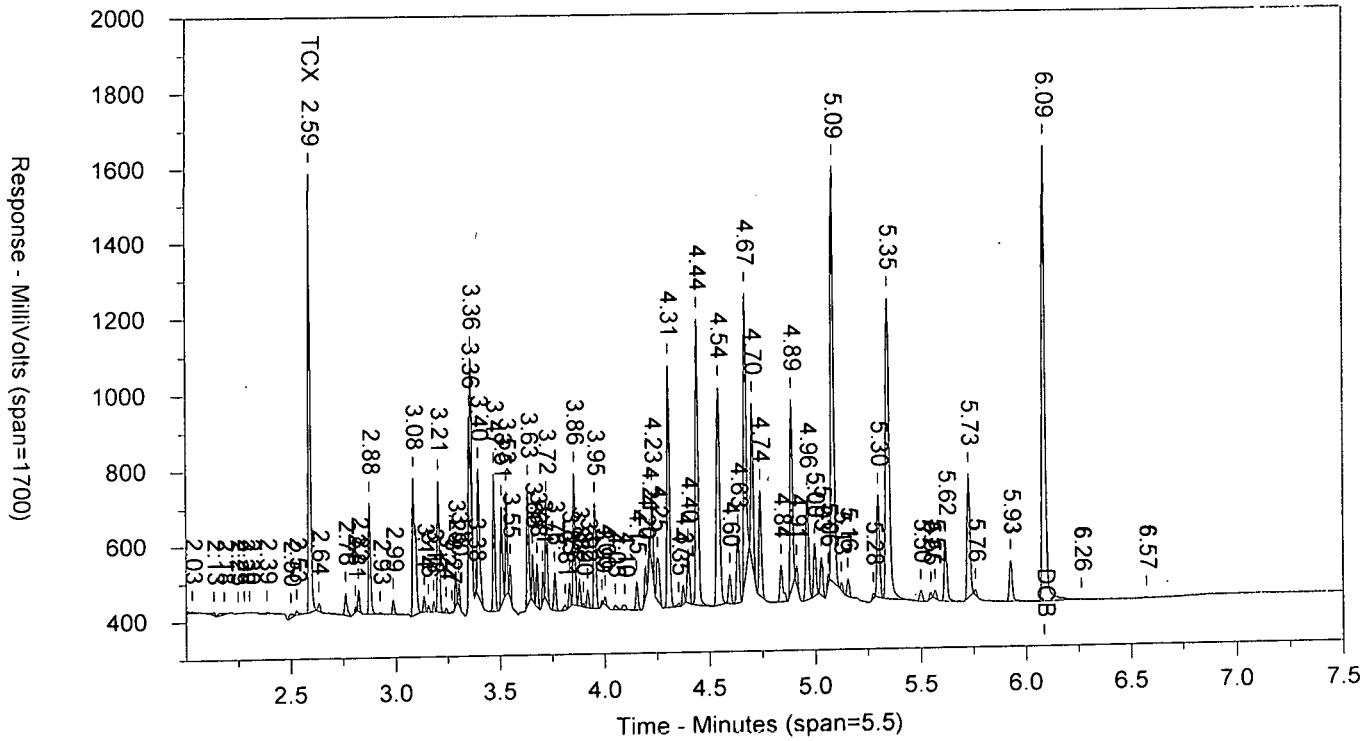


LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:39:41 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: 07pcbs17282001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.613		7483	41675
1.917		2201	1003
2.053		18721	41173
2.093		5403	5525
2.173		3765	4861
2.235		25993	19389
2.334		19462	19873
2.5		7308	9826
2.576		4790	2681
2.865		17332	26341
2.9		8187	7748
2.937	TCX	5461204	3656858
3.037		2872	2076
3.085		84784	74370
3.141		126963	124036
3.189		507677	344860
3.265		12742	9379
3.283		64916	41518
3.404		513719	310406
3.421		253289	135448
3.457		63447	36775
3.474		9940	3636
3.484		37469	19109
3.518		604616	451961
3.574		26147	16147
3.594		21605	14304
3.628		145740	82641
3.642		79877	38335
3.685		309759	170809
3.696		635937	306281
3.733		723232	544320
3.792		624292	471990
3.833		51935	35750
3.861		442405	318407
3.887		315728	259785
3.908		73464	35414
3.983		463451	340952
4.007		179706	115675
4.039		195625	138826
4.072		521075	488685
4.111		165644	131239
4.158		19536	13029
4.175		3535	1515
4.197		32513	22261
4.231		501829	361049
4.251		132766	70601
4.274		153783	120888
4.344		84102	68451
4.386		542936	516947
4.42		15622	11236
4.48		6772	5136
4.522		61443	56533
4.575		79440	48635

RT A	Compound A	Height A	Area A
4.591		137533	93755
4.635		350204	303729
4.684		543529	592732
4.721		128555	89044
4.76		1059742	996802
4.804		6858	6019
4.847		162743	170122
4.879		12214	8245
4.907		186704	178317
4.958		1047572	1316183
5.01		220682	203086
5.05		478519	549252
5.091		4333	1970
5.13		106824	125511
5.164		1216681	1120956
5.185		38551	23720
5.204		14004	6796
5.23		775144	725359
5.273		485560	474658
5.319		4121	4480
5.367		175787	141633
5.393		715745	655166
5.449		408452	370774
5.488		229718	238274
5.53		46975	49963
5.572		293390	333235
5.629		1959239	2416193
5.834		1404375	1393898
5.864		63041	37265
5.889		399439	474328
6.025		109479	107999
6.105		319267	478796
6.26		594776	619117
6.305		31507	28537
6.434		1849	1404
6.461		195957	191629
6.608	DCB	3708971	3932328
6.803		1727	1418
6.948		1597	380
7.059		1947	2080
7.118		1837	614
7.151		2158	494
7.28		1103	430
7.366		1917	862
7.412		1103	291
7.777		1567	456
7.8		1399	507
7.952		1657	449
8.009		1045	936
8.029		1752	454
8.102		950	521
8.124		2096	596
8.195		1294	1333
8.256		1242	467
8.294		1740	899
8.607		1654	679

LANCASTER LABORATORIES

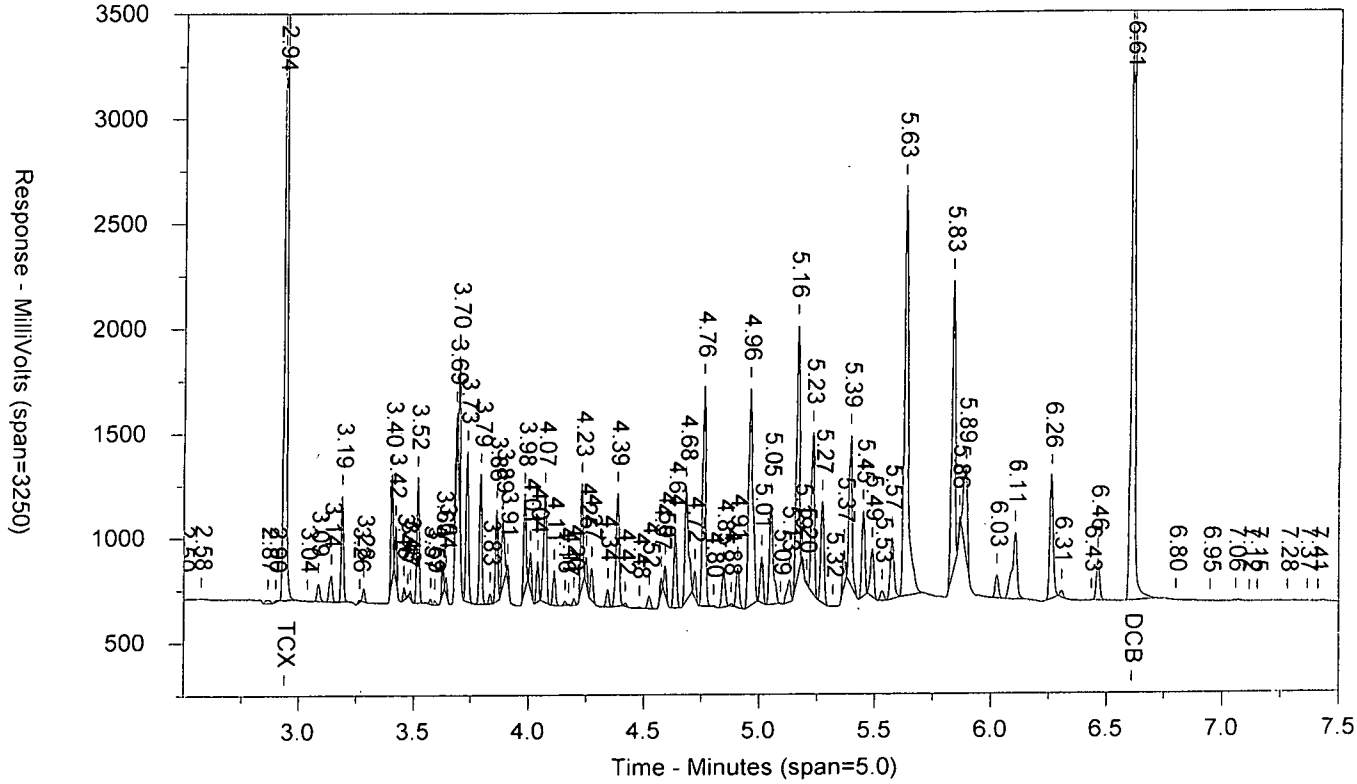
Sample Number: AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:39:41 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17282001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.649		2446	3606
1.724		5262	2901
1.768		11105	21150
1.84		10680	31102
1.903		52034	66068
1.963		6942	12635
2.03		13360	44099
2.163		9493	21055
2.275		5689	3213
2.387		3956	3903
2.504		12173	19576
2.528		2838	2078
2.592	TCX	5794580	3632973
2.635		36104	21227
2.763		117357	92284
2.81		73621	35796
2.824		101551	52639
2.876		552633	357957
2.926		20765	12552
2.988		80054	55257
3.084		692408	699948
3.135		88976	53605
3.156		38914	22279
3.182		60585	32882
3.206		658430	451324
3.243		25372	15734
3.27		25253	12405
3.289		168250	90108
3.305		98508	47940
3.355		294538	147325
3.364		666775	272554
3.384		22660	7971
3.398		642118	457879
3.471		700723	459093
3.507		502707	316564
3.53		519136	293420
3.548		168290	82477
3.633		611787	406354
3.656		228835	126175
3.677		223067	131903
3.705		147757	77732
3.723		508289	311468
3.763		192794	137337
3.811		26885	23045
3.833		121513	72114
3.855		662208	446968
3.88		137583	81766
3.899		20997	9890
3.919		91012	57461
3.954		543573	387799
3.987		24400	12777
4.001		44950	26729
4.049		13428	13185
4.096		29314	33448

4.153		146325	107811
4.195		165499	100408
4.213		130136	64390
4.227		409809	238336
4.253		224915	227090
4.304		1269445	987098
4.352		18637	14957
4.374		103986	67513
4.399		280724	214663
4.441		1521389	1219516
4.542		1126620	1192432
4.595		156301	131757
4.634		353734	313944
4.67		1426020	1245733
4.702		805310	596075
4.741		556445	446595
4.838		164228	124671
4.889		1024592	808897
4.913		99440	60092
4.963		534445	497511
4.999		253834	212169
5.03		199508	165310
5.062		60593	38695
5.085		2319881	2060914
5.125		42594	30060
5.156		100399	80110
5.277		24604	16644
5.3		535241	468108
5.345		1576844	1919008
5.5		98234	89529
5.547		28883	21042
5.569		86920	67417
5.619		310417	287272
5.727		676527	598676
5.758		28653	20461
5.928		253370	261370
6.087	DCB	5701930	5793442
6.343		5012	9557
6.54		4192	3937
6.572		4734	5016
6.808		4262	6895
7.043		3905	8299
7.302		2642	4400
7.543		1869	5204
8.174		8857	16982
8.365		2277	1121

AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0009.RAW



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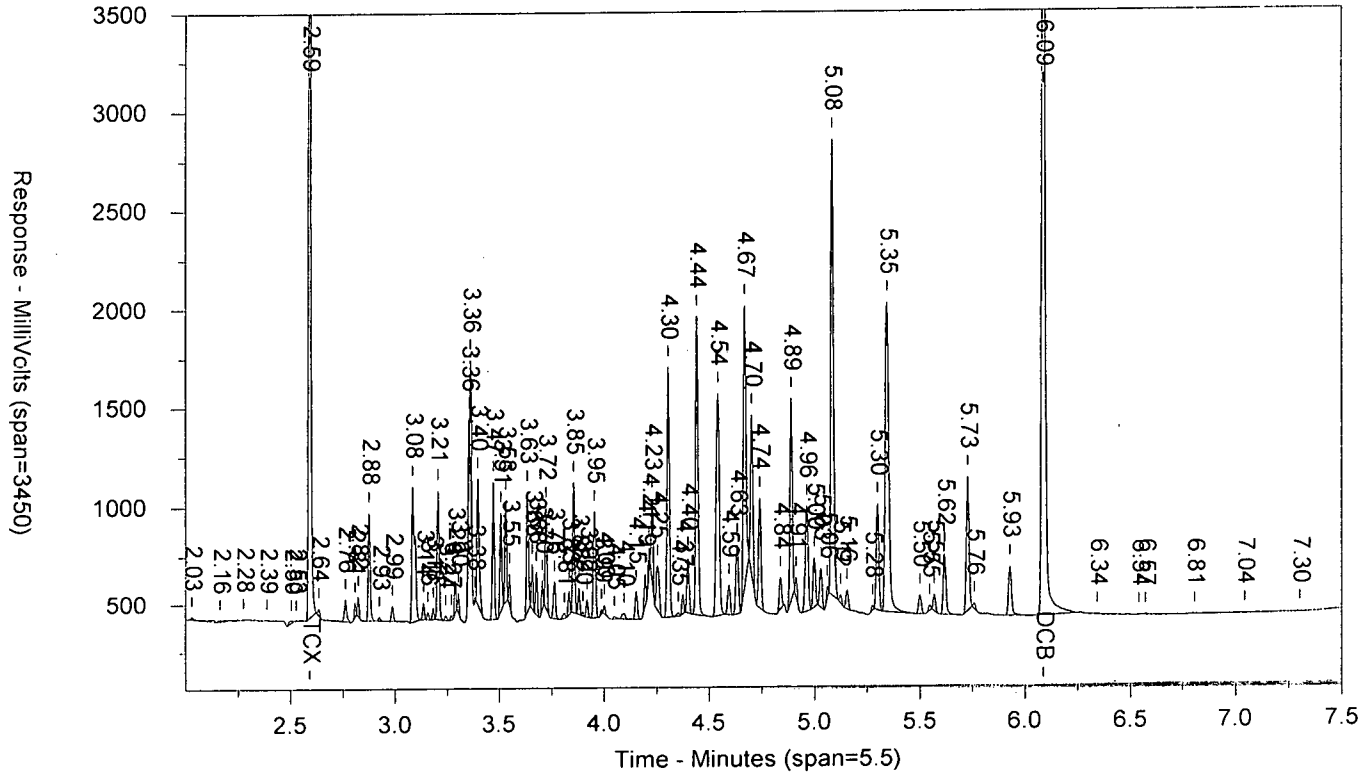

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:39:41 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
2.937	5461204	19.192	TCX	2.592	5794580	17.014	TCX
6.608	3708971	19.277	DCB	6.087	5701930	17.195	DCB

Files:
Area File: 07pcbs17282001.0009.RAW
Area File: 07pcbs17282001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 8:48:24 PM
File Reported On: 10/9/2017 at 8:48:35 PM

AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082

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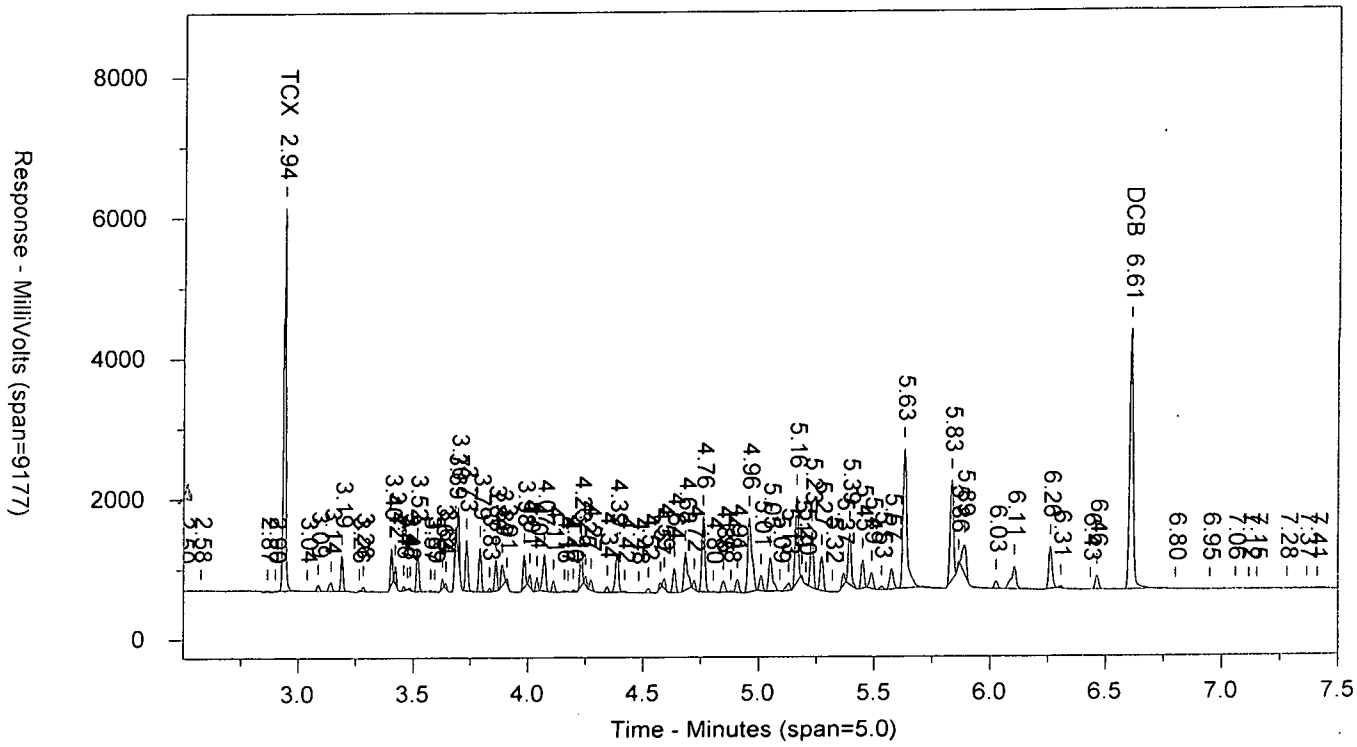

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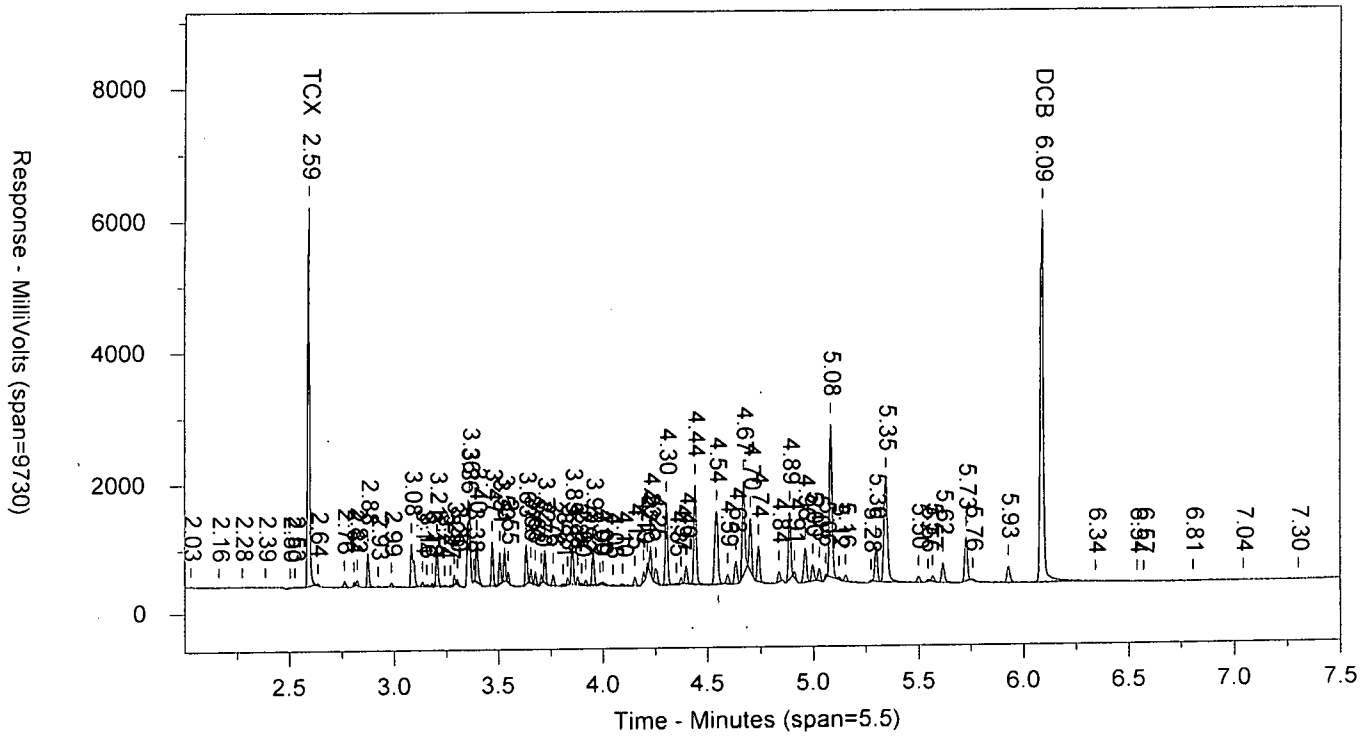

AR1631724B AAAR163AA ICAL 1728199999 10736 SW-846 8082

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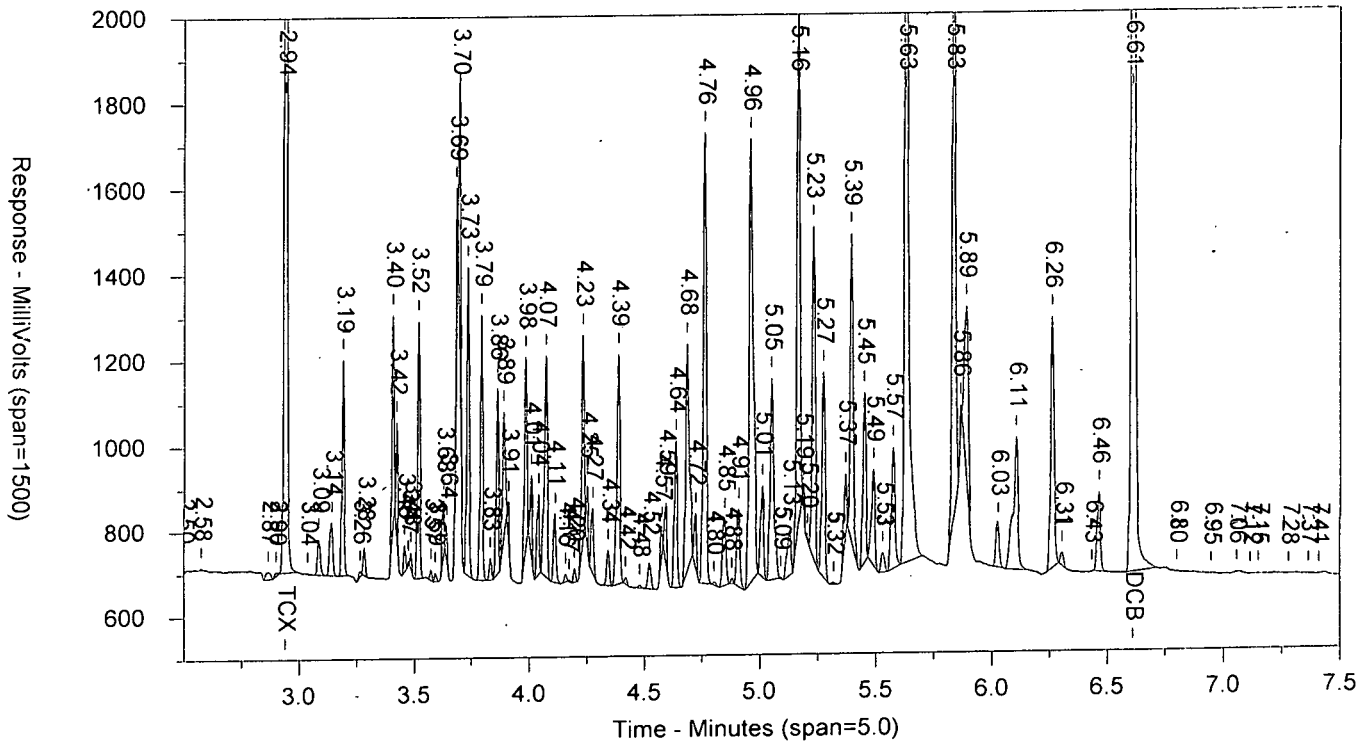

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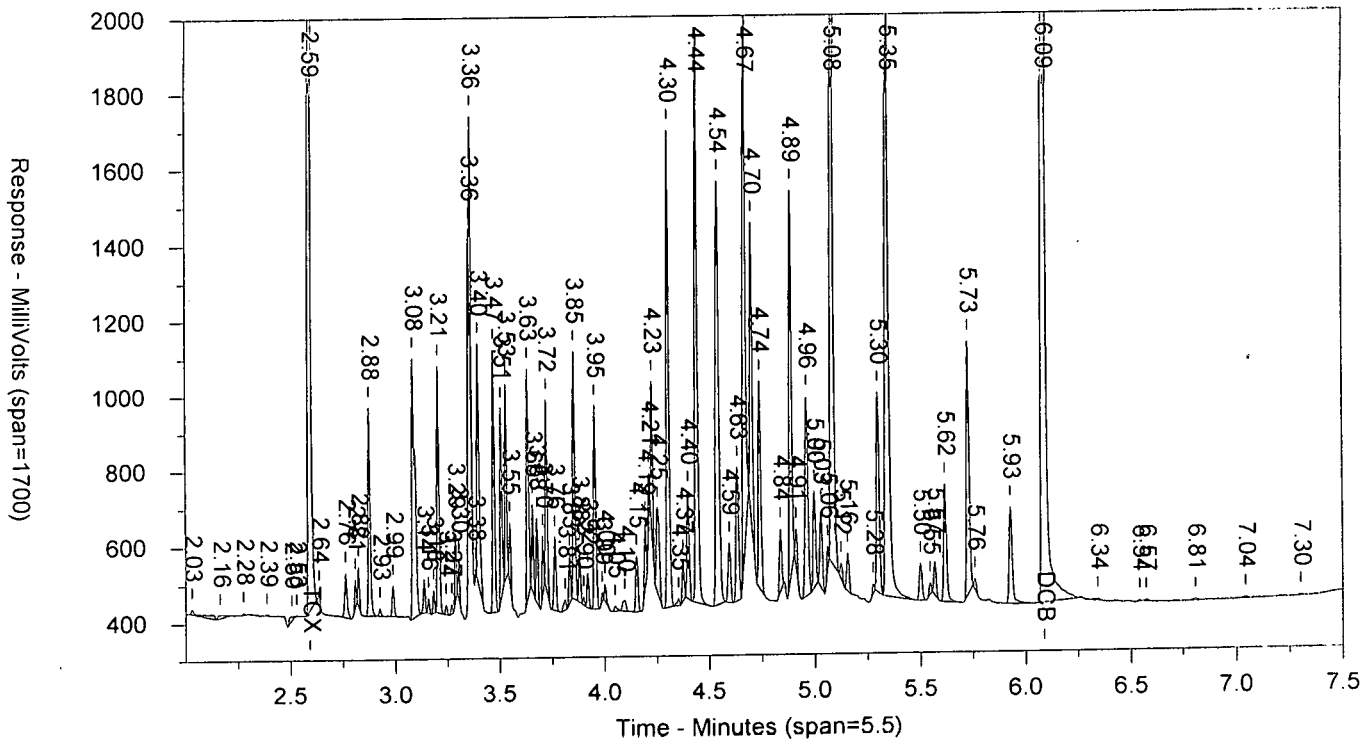

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:51:09 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: 07pcbs17282001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.615		4998	35549
1.81		1160	466
2.07		12429	40725
2.099		4522	11897
2.235		49403	37843
2.343		21498	21793
2.501		7218	9936
2.574		9457	6105
2.633		1815	992
2.784		4861	3153
2.867		15662	24039
2.909		3574	8179
2.938	TCX	11020640	7405689
3.086		169024	149127
3.141		244667	242130
3.189		965156	674953
3.265		24947	14397
3.282		125514	80093
3.321		3152	2435
3.404		996138	586751
3.42		482408	261483
3.457		123953	72688
3.473		19475	7266
3.485		80829	39981
3.518		1194192	876291
3.554		6025	2775
3.574		42851	26339
3.593		45883	27949
3.627		295658	163448
3.642		146942	75236
3.685		574226	334827
3.696		1233873	571784
3.732		1435161	1064557
3.791		1235177	925522
3.832		103546	72744
3.86		852751	611325
3.887		583061	490175
3.908		150092	73934
3.956		1734	818
3.982		935039	653290
4.007		359928	233567
4.038		384097	269156
4.071		1012510	951400
4.111		328673	259069
4.157		46791	38513
4.197		67148	47472
4.231		947464	679509
4.25		241014	129566
4.273		300145	227942
4.343		161052	136303
4.385		1051155	980403
4.42		32815	22281
4.48		11091	8590

RT A	Compound A	Height A	Area A
4.522		119515	112276
4.574		123882	82923
4.591		265477	177051
4.635		678265	583289
4.683		1028486	1115205
4.72		231248	167299
4.76		2023074	1885040
4.805		15588	12672
4.846		315651	321498
4.88		24260	16478
4.906		348688	323267
4.958		2007994	2480162
5.009		421267	386038
5.049		929686	1038881
5.091		8662	3920
5.129		203780	237809
5.163		2468978	2180640
5.185		102989	51253
5.203		33926	14927
5.23		1479363	1379374
5.272		978271	892922
5.309		3376	3104
5.367		335002	277344
5.391		1315562	1235156
5.448		791172	694951
5.488		443359	457438
5.529		95066	99220
5.572		568676	635789
5.629		3985694	4738160
5.834		2702268	2620701
5.864		153182	100728
5.888		724945	784342
6.024		174539	174410
6.103		595700	862044
6.259		1121219	1156728
6.303		64232	53720
6.46		352119	366391
6.606	DCB	7098633	7624988
6.912		2316	827
6.99		2092	459
7.054		4454	4709
7.164		1784	500
7.204		1891	1068
7.344		1392	757
7.406		1813	533
7.438		2195	531
7.641		1614	397
7.901		1263	1061
7.947		1092	1007
7.974		1863	580
8.047		1817	431
8.172		1938	726
8.19		2046	537
8.339		1359	410
8.415		2090	834
8.566		823	664

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:51:09 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: 07pcbs17282001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.723		3651	1911
1.845		10542	39794
1.904		77980	90196
1.966		8153	20340
2.03		26281	21143
2.162		10437	30362
2.276		12618	14915
2.387		3712	3342
2.507		10726	19194
2.526		4944	2992
2.592	TCX	11495300	7230639
2.635		65211	36752
2.763		217775	165574
2.809		131678	66125
2.824		181109	98149
2.877		1033702	675844
2.926		40974	23743
2.987		155145	105516
3.052		5053	6181
3.084		1299156	1314199
3.135		170600	103982
3.156		78373	44314
3.182		116272	64871
3.206		1259344	861802
3.243		52757	32719
3.27		49476	24884
3.289		336844	173864
3.304		188396	92261
3.355		564481	306701
3.364		1337436	573555
3.384		44739	14132
3.398		1295157	893060
3.471		1396390	900533
3.507		961367	610669
3.53		1011770	566959
3.548		314458	160624
3.598		4926	4344
3.633		1207680	789676
3.656		460549	242543
3.676		437059	256932
3.705		292636	150917
3.722		1040804	621526
3.763		388622	273060
3.811		55775	47338
3.833		247401	146456
3.855		1327701	859670
3.88		274033	161008
3.899		44085	20952
3.918		164189	103462
3.953		1053506	746503
3.987		46153	25791
4.001		86177	53279
4.051		6440	4169
4.096		70555	76183

4.154		285057	210951
4.195		311432	192383
4.214		258200	123821
4.227		749301	435924
4.252		420959	442404
4.304		2504646	1927384
4.352		32219	26713
4.374		200648	133874
4.398		543379	407941
4.441		3034571	2380594
4.542		2325692	2348971
4.595		301807	249449
4.634		669556	595854
4.669		2856147	2480639
4.702		1592921	1154140
4.741		1044379	865060
4.839		334428	248887
4.856		28664	14971
4.89		1911772	1560170
4.912		181884	110328
4.963		1043822	955534
4.999		505395	413612
5.029		385009	321317
5.061		125132	77542
5.084		4776016	4125289
5.125		73988	55200
5.156		182623	149310
5.276		48615	32578
5.3		1013547	889051
5.344		3118608	3733645
5.463		3878	2689
5.5		164177	144925
5.547		57837	42352
5.569		129165	99388
5.618		580368	555290
5.728		1281150	1172080
5.758		56074	39713
5.927		485793	465917
6.086	DCB	11532720	11191600
6.538		9577	8589
6.78		2834	2397
7.404		1480	3963
8.168		9187	17447

AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082

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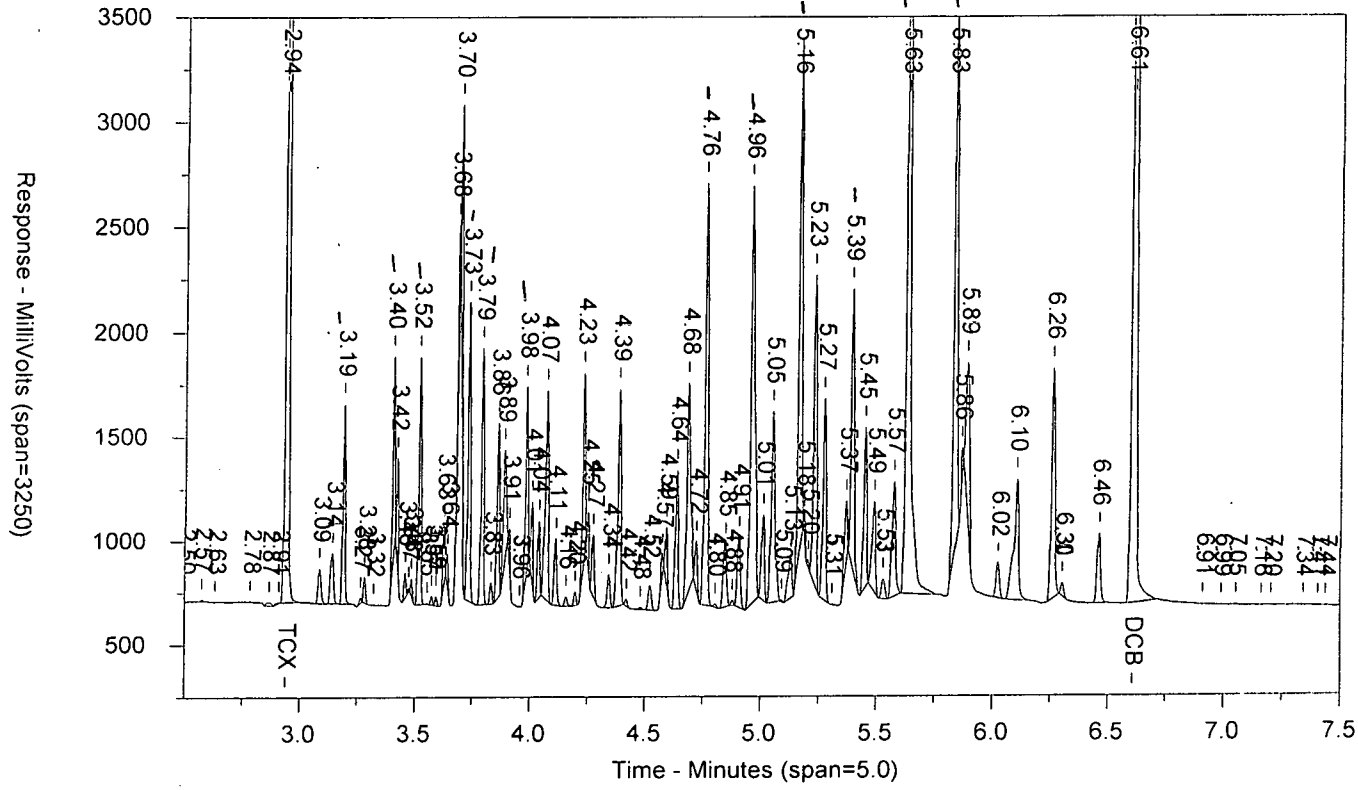

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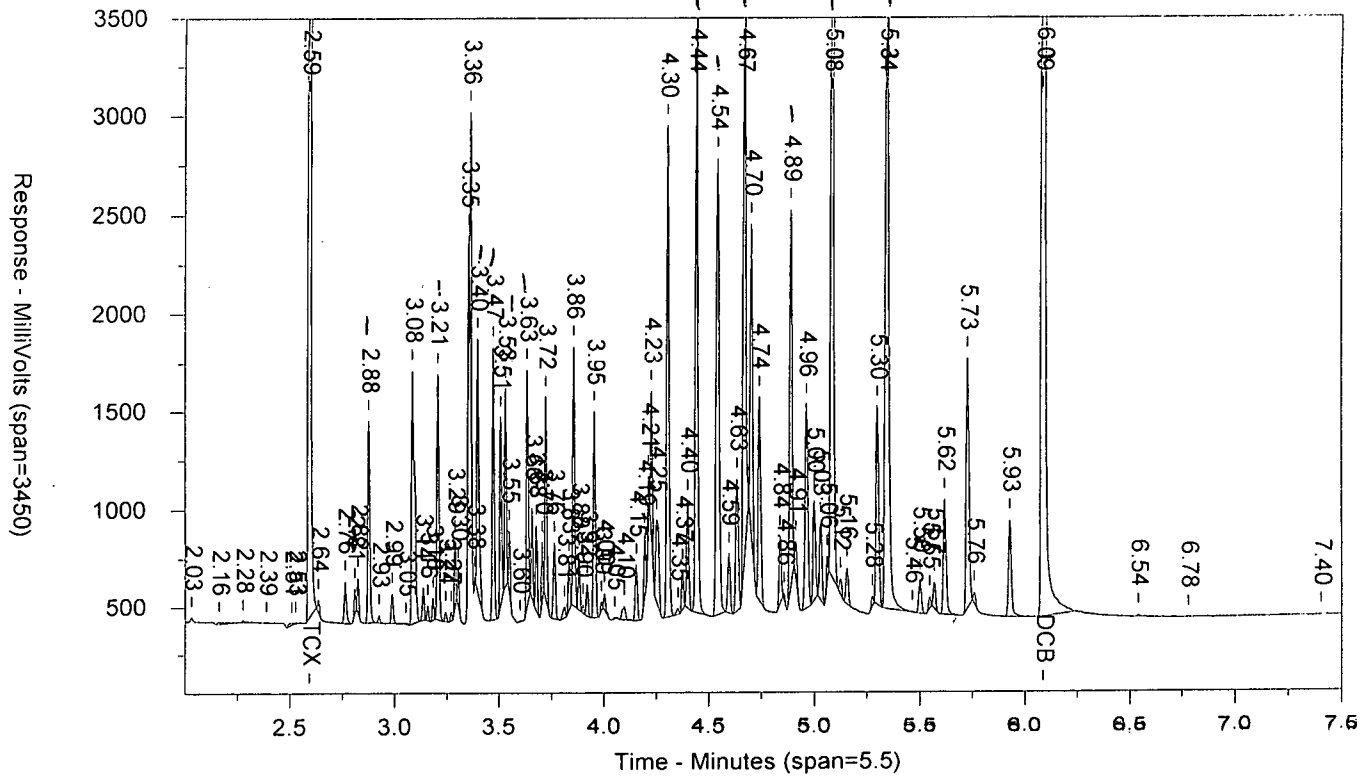

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 8:51:09 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
2.938	11020640	38.741	TCX	2.592	11495300	35.306	TCX
6.606	7098633	36.86	DCB	6.086	11532720	36.543	DCB

Files:
Area File: 07pcbs17282001.0010.RAW
Area File: 07pcbs17282001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 8:59:51 PM
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AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082

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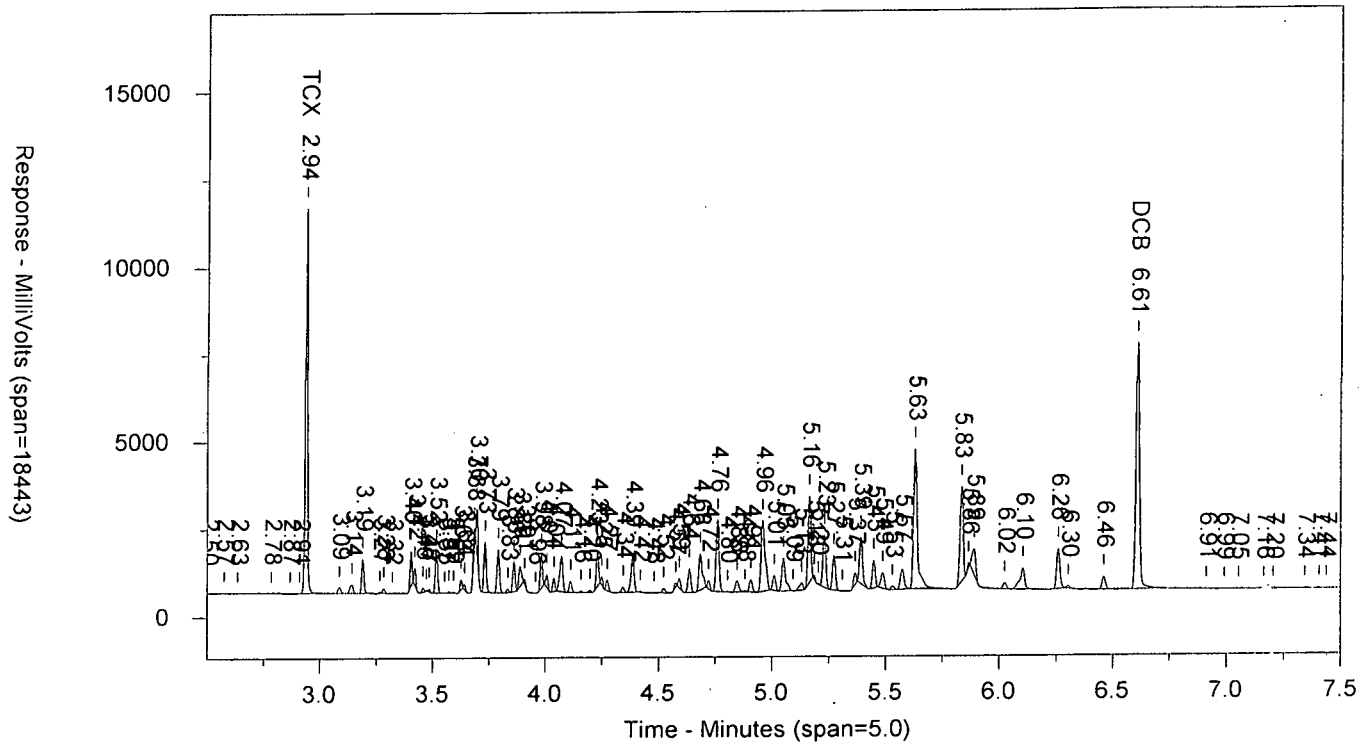

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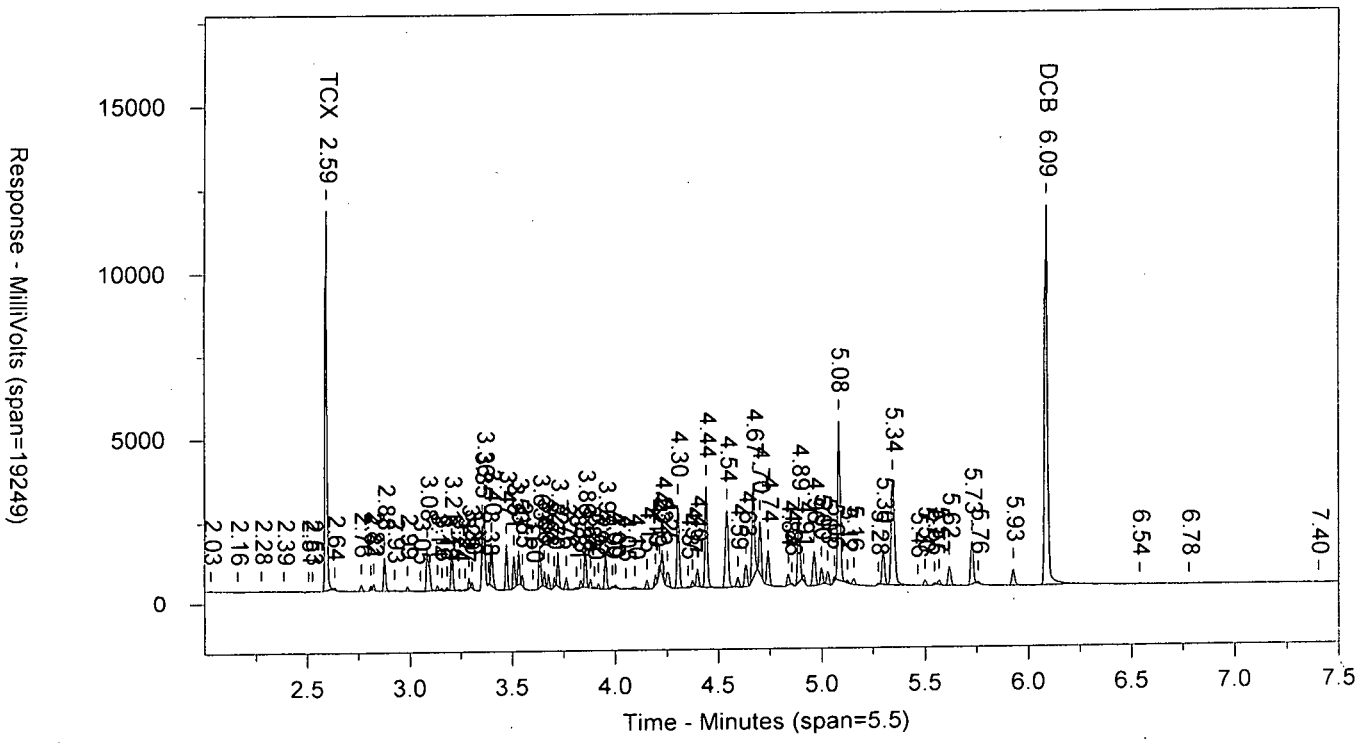

AR1641724B AAAR164AA ICAL 1728199999 10736 SW-846 8082

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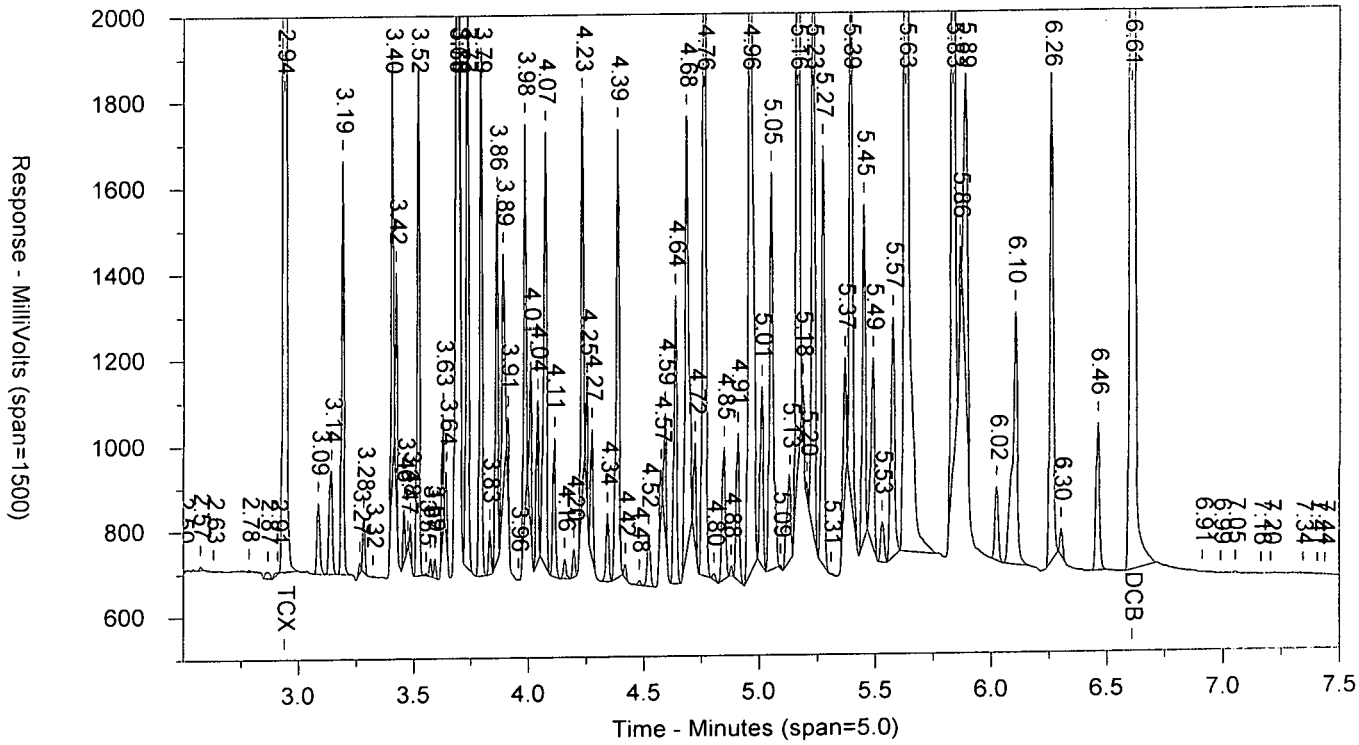

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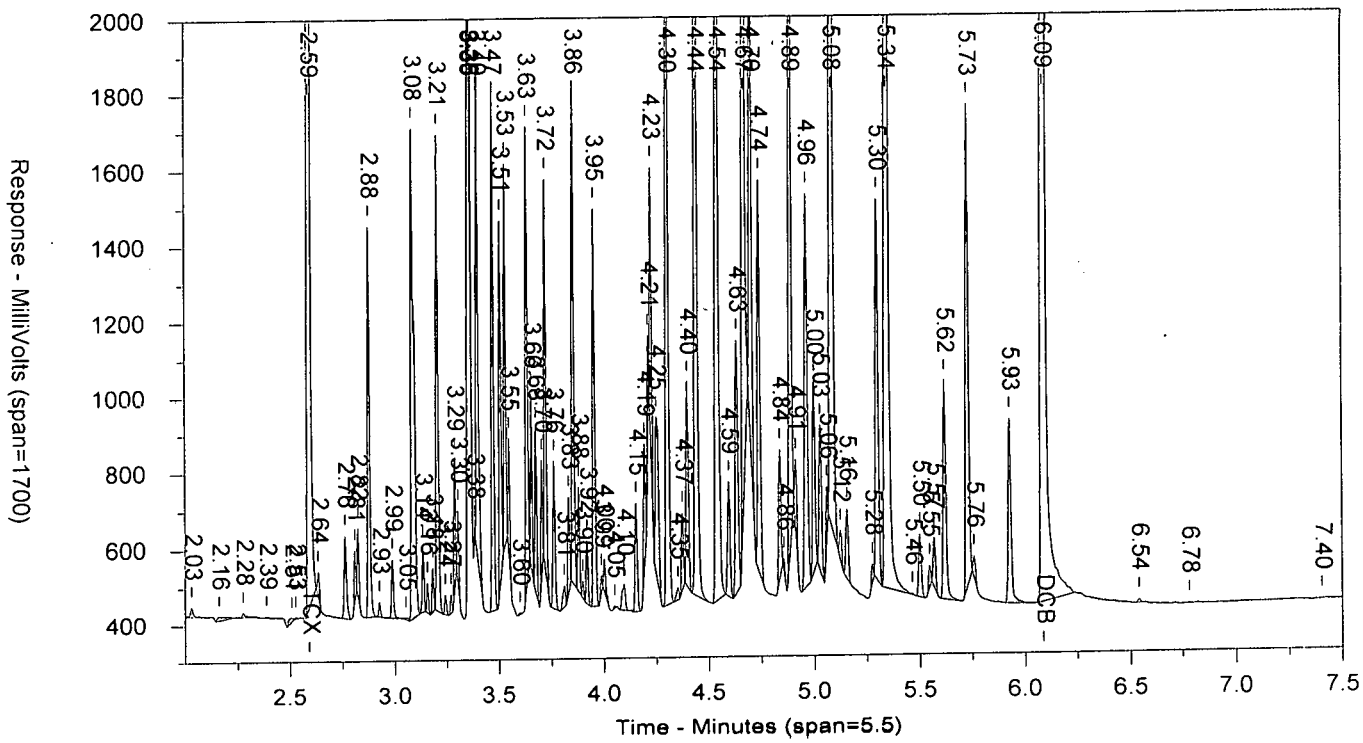

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:02:27 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: 07pcbs17282001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.517		3339	3340
1.626		4418	57052
1.748		2950	4358
1.787		2825	2915
1.899		1524	1803
1.915		2952	1652
2.05		23872	32044
2.107		4674	14421
2.174		4403	6871
2.235		76106	59471
2.334		40738	48380
2.436		2343	1789
2.499		6327	7984
2.547		2012	1263
2.575		21913	15746
2.786		8501	5306
2.857		5762	3980
2.937	TCX	17428770	11361090
3.036		5966	3354
3.055		2911	1340
3.086		382845	347066
3.141		531458	480164
3.189		2250800	1539600
3.265		31079	16547
3.282		284102	186110
3.324		8026	5047
3.404		2365569	1374868
3.421		1098959	594957
3.457		291685	168076
3.473		36053	13914
3.484		173553	92590
3.518		2837408	2038151
3.554		15639	8082
3.574		60182	35757
3.593		109156	69950
3.627		672774	380244
3.642		350256	171971
3.685		1426226	787158
3.696		3215642	1469550
3.732		3395017	2525840
3.791		3033996	2197326
3.833		250936	170979
3.86		1986320	1401807
3.887		1415630	1136796
3.908		344657	178064
3.982		2203122	1518504
4.007		780327	515869
4.038		877034	616939
4.072		2401341	2250625
4.111		743750	599006
4.158		120522	98183
4.197		157733	115050
4.231		2184903	1595221

RT A	Compound A	Height A	Area A
4.25		577891	310454
4.274		694357	524408
4.343		377983	317662
4.386		2495582	2281245
4.42		81855	55430
4.457		1939	700
4.482		28091	21847
4.523		273916	253162
4.575		290453	195640
4.591		574716	399484
4.636		1583123	1365687
4.684		2410715	2611996
4.721		550940	394064
4.76		5154982	4546296
4.805		35764	29084
4.846		752896	752671
4.879		49991	33508
4.907		810562	736737
4.959		4946821	6016766
5.009		952354	883062
5.05		2292864	2491755
5.092		16672	9211
5.129		477510	556395
5.163		6331531	5542405
5.186		318445	150920
5.205		80584	35584
5.23		3770348	3335361
5.272		2259339	2136698
5.367		852408	685258
5.392		3500800	3016198
5.449		1792565	1633652
5.488		1045812	1063734
5.531		210323	222383
5.572		1350909	1470896
5.629		10572190	11097110
5.774		4700	4986
5.833		7124071	6550748
5.864		412940	260446
5.889		1716323	1896963
6.024		348583	336309
6.104		1333358	1975324
6.26		2707691	2700938
6.304		155566	139069
6.462		793810	809844
6.569		2068	465
6.608	DCB	11411890	11833910
6.924		2067	602
6.956		1472	522
7.057		7283	8292
7.173		1547	362
7.288		2124	802
7.396		1820	715
7.686		1585	815
7.788		1423	765
8.147		1270	317
8.194		1895	493
8.206		1522	495
8.236		1084	983
8.286		1752	565
8.344		1943	1185
8.358		890	256
8.52		1205	870
8.541		1806	381
8.589		1656	554

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:02:27 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: 07pcbs17282001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.56		2423	2595
1.65		2367	1350
1.724		6506	3509
1.773		12403	25497
1.83		2000	13487
1.904		118548	111118
1.96		5017	7899
2.03		39203	32395
2.122		7792	14140
2.165		6112	8101
2.276		31797	34035
2.386		5014	5666
2.512		7620	18840
2.527		9571	6655
2.592	TCX	17829230	11171060
2.636		168209	108585
2.763		482892	364661
2.81		180907	88079
2.825		439658	246792
2.877		2272412	1528033
2.926		59605	35777
2.988		344905	229909
3.085		2903010	2970650
3.135		387517	240978
3.156		180533	104216
3.182		265333	149944
3.206		2917173	1992420
3.243		127306	79029
3.27		71567	35139
3.29		760422	398118
3.305		423286	211964
3.355		1448498	687140
3.364		3207738	1450900
3.384		99369	33535
3.398		3091795	2140956
3.472		3435523	2163572
3.508		2219977	1402598
3.531		2459076	1323719
3.548		742824	370307
3.6		5064	4914
3.634		2898773	1866992
3.656		1036865	555600
3.677		1000090	596332
3.706		657620	348762
3.723		2403222	1478004
3.763		881898	636857
3.812		130838	110478
3.833		565115	339837
3.856		3225815	2060064
3.88		666830	384665
3.899		98560	46480
3.919		364079	232461
3.954		2489323	1776394
3.987		109636	62683

4.002		193612	123724
4.049		6771	3678
4.064		15915	9448
4.097		171210	185730
4.154		687651	502837
4.196		737337	437609
4.214		560110	289140
4.228		1888168	1076475
4.253		1041392	1056628
4.305		6201654	4719640
4.353		76375	60660
4.375		508680	333743
4.399		1280057	978382
4.442		7508441	5868042
4.544		5696745	5865446
4.596		729213	606320
4.634		1677672	1424051
4.67		7358735	6257021
4.703		3969549	2855353
4.741		2659728	2138334
4.84		803446	600650
4.858		91732	46564
4.891		5006547	3900212
4.914		472756	283038
4.964		2454574	2300072
5		1269542	1013231
5.03		984962	791480
5.062		309214	204826
5.086		11986740	10542030
5.126		211524	155916
5.157		414854	352169
5.277		113438	77898
5.301		2586431	2155849
5.346		8008347	9350405
5.501		313875	277635
5.548		166307	118851
5.57		240473	186345
5.62		1447895	1329403
5.728		3234287	2898077
5.759		148333	102823
5.928		1053802	1032206
6.088	DCB	17872700	17056280
6.263		11594	12769
6.541		14704	13445
6.822		2915	4499
7.366		1282	2676
7.73		5319	2162
8.174		7977	12438

AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082

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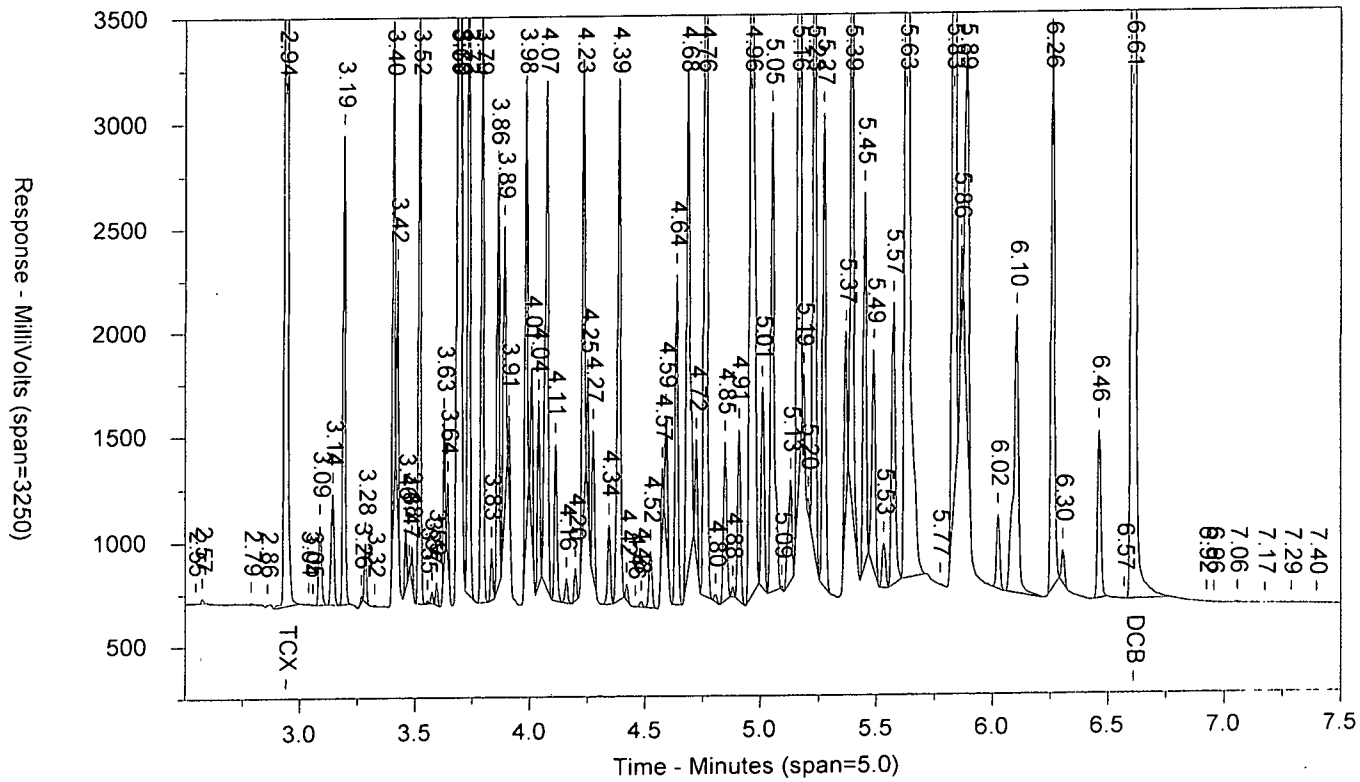

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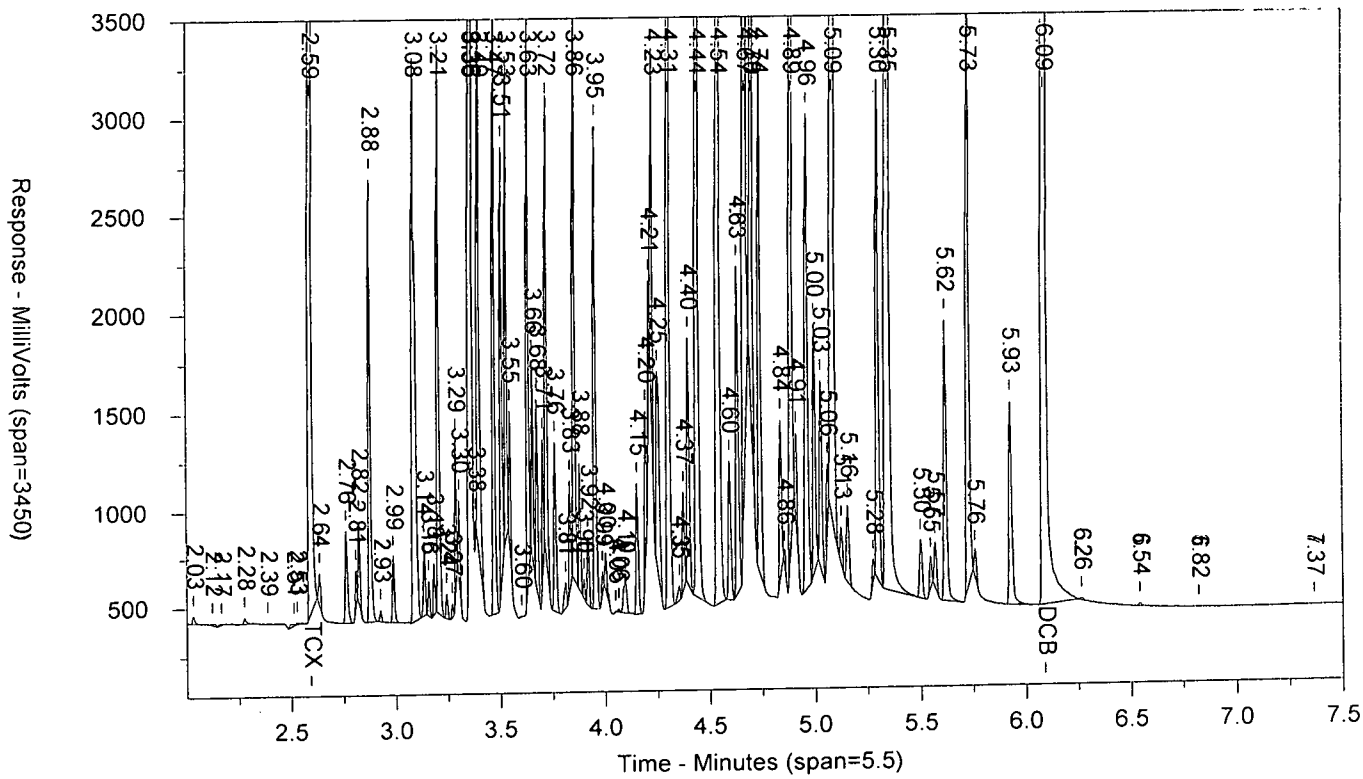

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:02:27 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
2.937	17428770	61.626	TCX	2.592	17829230	55.711	TCX
6.608	11411890	59.127	DCB	6.088	17872700	56.409	DCB

Files:
Area File: 07pcbs17282001.0011.RAW
Area File: 07pcbs17282001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 9:11:10 PM
File Reported On: 10/9/2017 at 9:11:19 PM

AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082

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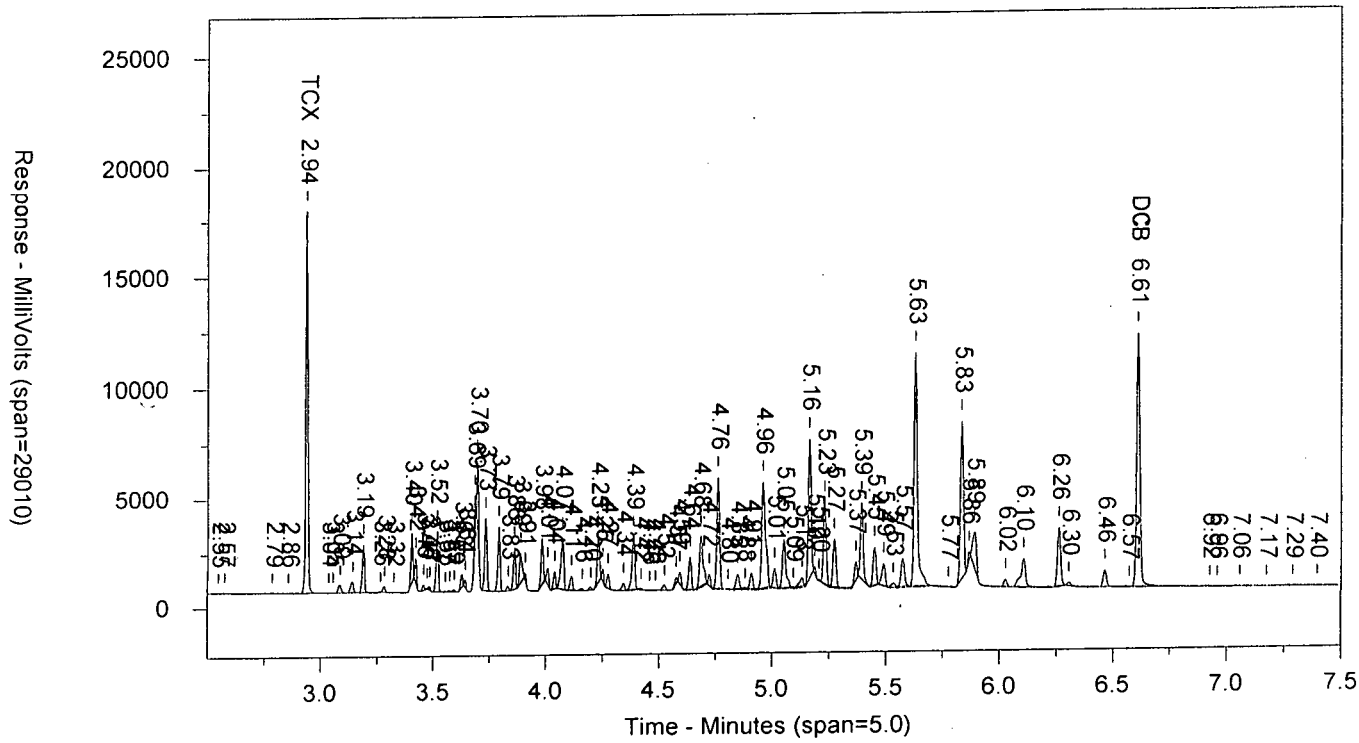

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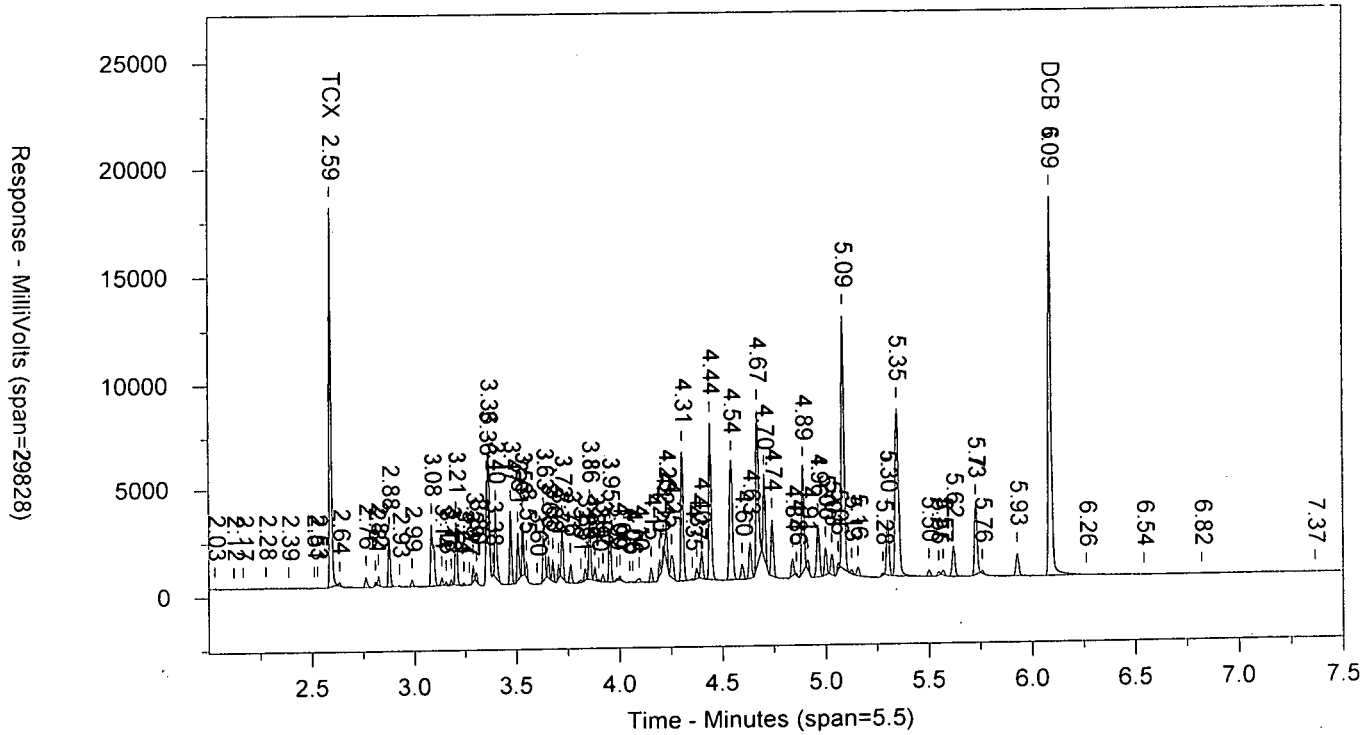

AR1651724B AAAR165AA ICAL 1728199999 10736 SW-846 8082

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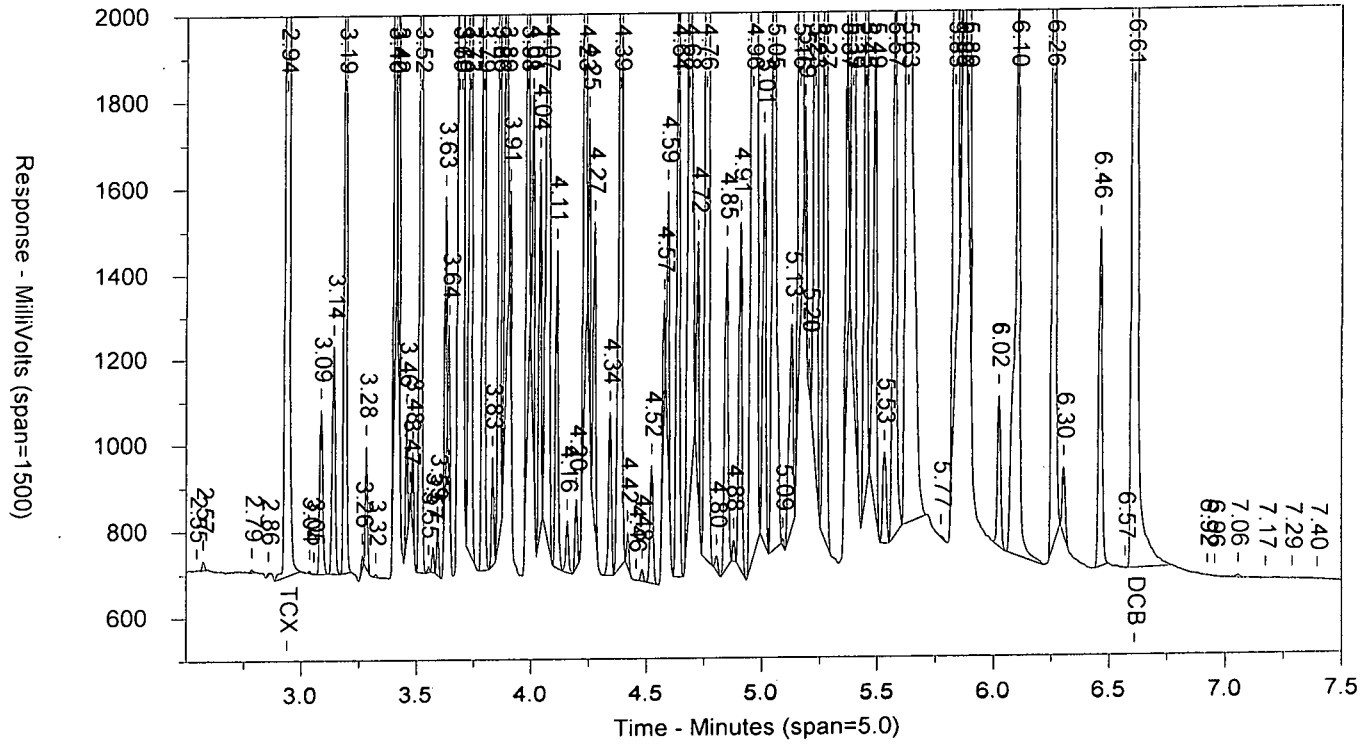

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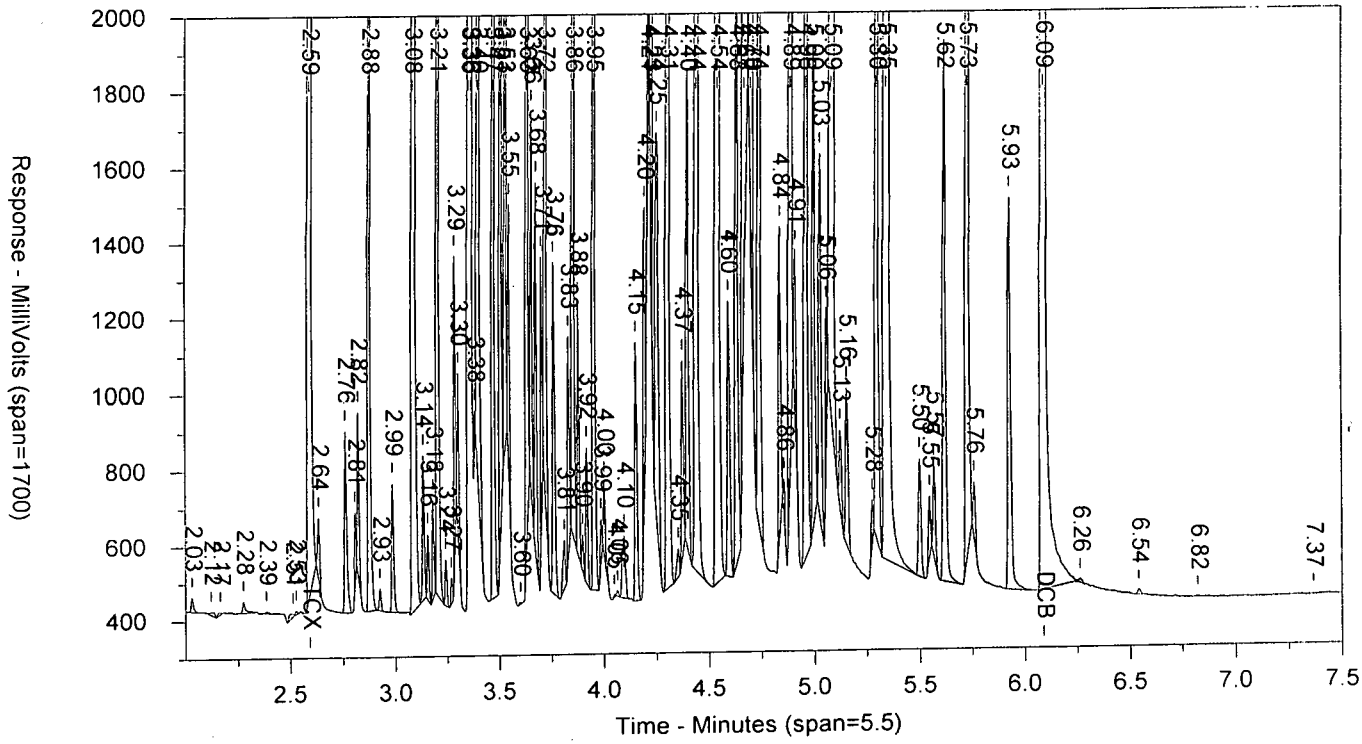

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:13:56 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: 07pcbs17282001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.615		5882	43070
1.745		2707	3047
2.063		20584	43354
2.102		6324	16379
2.161		1679	510
2.235		98804	75790
2.344		41639	41496
2.496		15985	16706
2.52		8329	8478
2.576		42815	27576
2.66		3277	2380
2.722		2117	2783
2.854		6054	3458
2.902		7565	8997
2.938	TCX	22289590	14978510
3.037		9819	6025
3.086		716954	639530
3.142		964729	807402
3.19		4388365	2965063
3.266		38215	19235
3.284		522875	359026
3.325		15433	9781
3.406		4510183	2625539
3.422		2241306	1175650
3.46		529769	317602
3.475		85640	31640
3.487		329685	166461
3.521		5389166	3905843
3.557		32615	16086
3.576		79618	47583
3.596		195906	128589
3.63		1272893	723696
3.646		689853	340200
3.688		3126531	1637799
3.7		6552066	3161949
3.736		6796908	4908196
3.795		5969816	4285945
3.836		440540	312352
3.864		3920575	2690039
3.891		2817338	2266754
3.912		766955	373905
3.962		3925	1574
3.986		4415059	3005963
4.011		1548219	988373
4.042		1651455	1164213
4.075		4585858	4392940
4.115		1373157	1125933
4.162		226975	182361
4.201		295104	216286
4.235		4235081	3156574
4.253		1095810	582881
4.277		1271282	967239
4.347		687003	585849

RT A	Compound A	Height A	Area A
4.389		4615006	4390680
4.423		146414	100625
4.485		51148	40816
4.527		483419	442262
4.578		597700	384877
4.595		1079927	726734
4.639		3019309	2624570
4.688		4804222	5091736
4.725		1123960	760988
4.764		10576710	9006267
4.808		63209	53357
4.85		1395268	1426003
4.883		88705	58512
4.91		1546818	1384995
4.962		9882309	11922680
5.013		1819744	1685115
5.053		4712826	5008368
5.096		40798	18808
5.133		913753	1057638
5.167		13205680	11509240
5.189		580204	295654
5.208		182548	78257
5.233		7701336	6691030
5.276		4639338	4215475
5.37		1682304	1368281
5.395		6599321	5891909
5.451		3711828	3161736
5.49		1953229	2004751
5.533		388303	416545
5.575		2513228	2777925
5.631		21946970	22158390
5.72		14095	8054
5.803		2637	645
5.836		14669140	13130380
5.867		710499	469479
5.891		3311641	3557171
5.981		6688	3032
6.027		493197	490944
6.106		2467072	3437043
6.261		5354027	5196843
6.306		296419	288597
6.463		1374813	1439616
6.532		4699	3637
6.61	DCB	14493040	15417310
6.73		5884	3805
7.056		9902	14199
7.482		1793	638
7.751		1637	464
7.862		1479	787
7.97		1683	637
8.199		1673	395
8.271		1707	654
8.297		1361	1508
8.399		1429	593
8.429		952	473
8.45		1498	1133
8.498		1430	939
8.556		1216	352
8.621		1876	867
8.663		995	374

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:13:56 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: 07pcbs17282001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.559		2175	1838
1.655		4194	5143
1.724		4422	2280
1.772		8469	13787
1.818		3268	9496
1.904		144515	136843
1.963		6562	13040
2.03		55704	47562
2.12		5708	9399
2.161		5898	6643
2.183		3519	1870
2.243		1339	1036
2.276		68443	63073
2.389		4081	3105
2.511		2837	7909
2.526		5581	3404
2.549		12589	8599
2.592	TCX	30258570	19405970
2.635		377523	287766
2.764		1042547	796070
2.81		226886	107089
2.825		991162	586459
2.877		5362409	3556572
2.926		75668	45018
2.988		738436	502935
3.063		3669	1407
3.084		6527596	6864304
3.136		834975	521206
3.157		370548	217781
3.182		572139	325655
3.206		6691068	4556060
3.244		267146	162593
3.271		94742	45862
3.29		1659714	888935
3.305		936233	455441
3.356		3227716	1539294
3.365		7509744	3401945
3.386		179323	64313
3.399		7068752	4866554
3.474		7835383	4884713
3.51		5069052	3138892
3.533		5361597	2968880
3.551		1615179	811451
3.604		4997	3247
3.637		5912277	3859918
3.659		2175706	1151994
3.68		2021413	1209545
3.709		1305352	671767
3.726		5118802	3005388
3.766		1778390	1246148
3.814		253207	213849
3.836		1168608	701227
3.858		6561029	4195536
3.883		1353606	794837

3.902		197568	95481
3.922		734638	453869
3.957		5288364	3561501
3.991		219033	122098
4.005		367834	235921
4.052		7227	3454
4.067		38866	24215
4.1		335312	349618
4.157		1398287	998259
4.198		1551152	929749
4.217		1248266	661602
4.231		4043618	2210579
4.256		2178843	2181997
4.308		12714530	9546387
4.356		153891	123086
4.378		1037531	682311
4.402		2691919	1987594
4.445		15680900	12024310
4.547		12105660	12103190
4.598		1500582	1247151
4.637		3525769	2960422
4.673		15775430	13111880
4.705		8474907	5944117
4.744		5736131	4481169
4.811		7561	4248
4.842		2029206	1990372
4.893		10604190	8323965
4.916		1152238	698252
4.966		5260550	4751560
5.002		2734666	2142014
5.033		2071477	1692745
5.064		775860	472327
5.087		26622640	22808990
5.128		458155	337083
5.159		882704	705253
5.279		239004	155923
5.303		5480529	4565952
5.348		16913370	20163380
5.503		527019	473856
5.549		373497	270346
5.571		383677	290296
5.621		2990030	2790920
5.73		7062429	6110658
5.761		293598	211116
5.93		2066696	1950492
6.089	DCB	25086800	23844290
6.264		14737	14257
6.542		19077	17093
6.576		4273	4121
6.613		2511	8031
6.715		4448	5087
6.813		6597	17954
6.933		3122	4146
7.044		7186	10903
7.312		5113	12071
7.437		2976	4620
7.606		4502	12791
8:174		8205	13120

AR1661724A AAAR166AA ICAL 1728199999 10736 SW-846 8082

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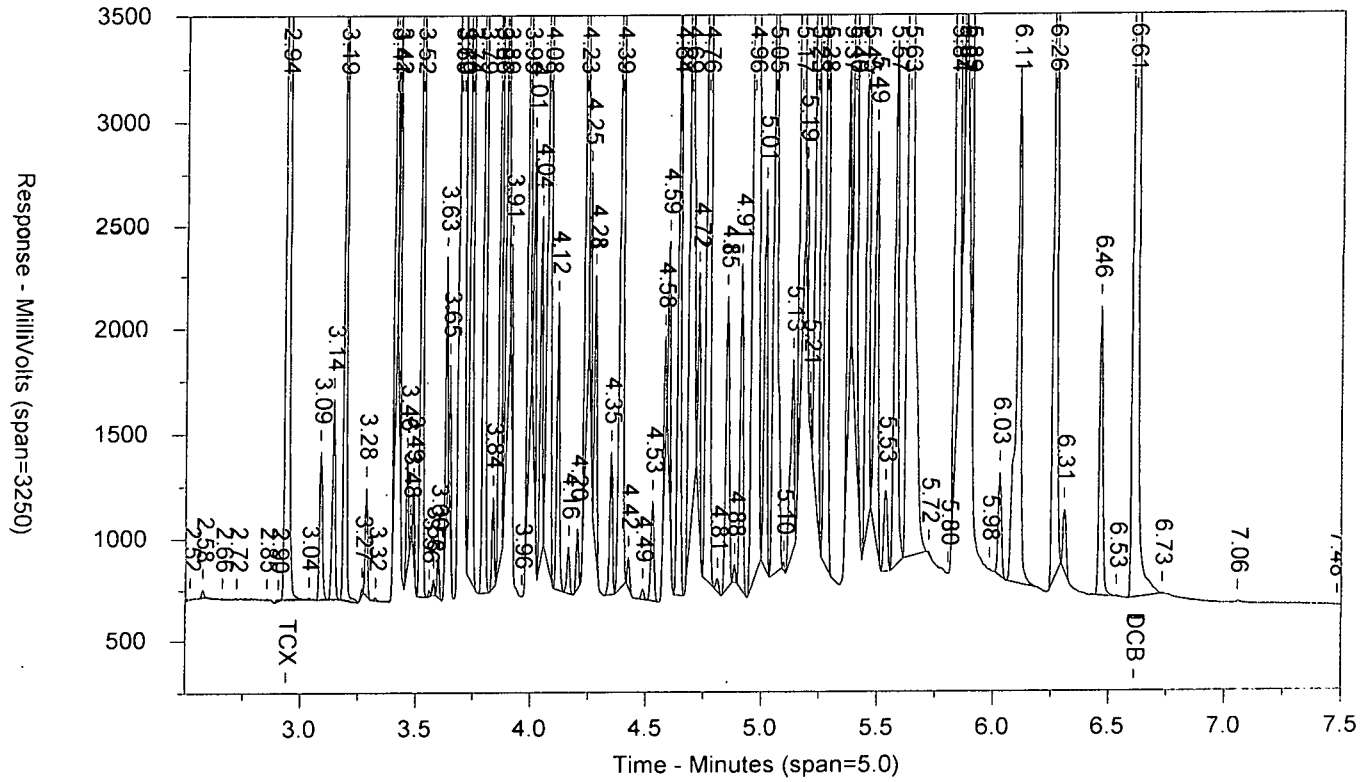

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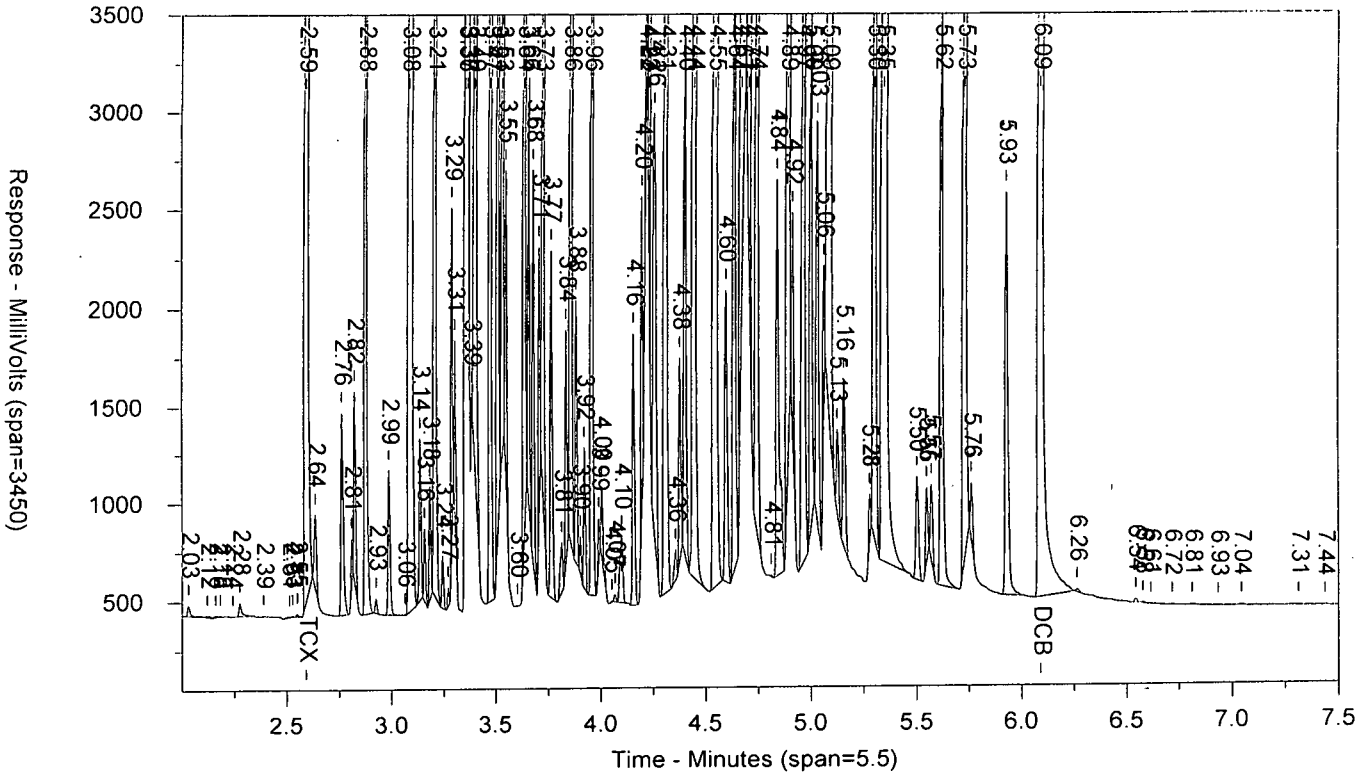

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:13:56 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
2.938	22289590	78.68	TCX	2.592	30258570	94.483	TCX
6.61	14493040	75.308	DCB	6.089	25086800	79.187	DCB

Files:
Area File: 07pcbs17282001.0012.RAW
Area File: 07pcbs17282001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 9:22:39 PM
File Reported On: 10/9/2017 at 9:22:49 PM

AR1661724A AAAR166AA ICAL 1728199999 10736 SW-846 8082

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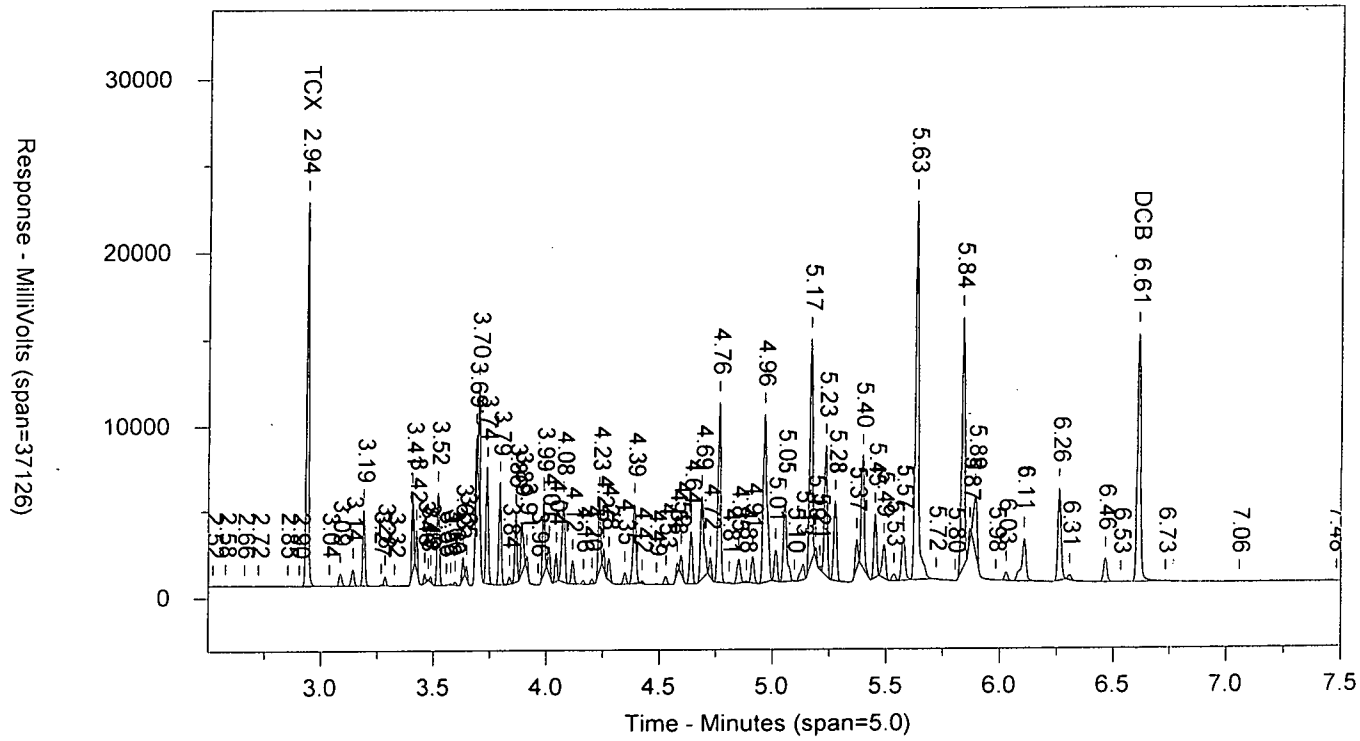

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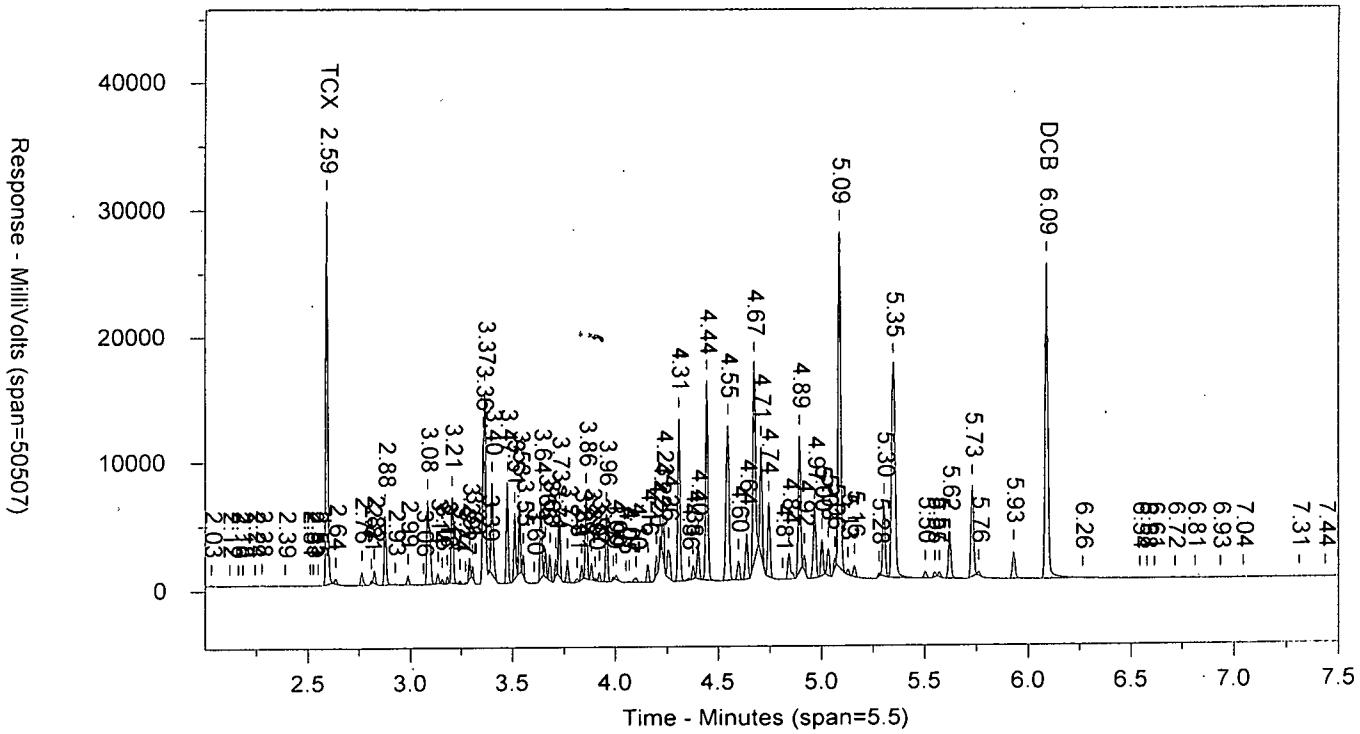

AR1661724A **AAAR166AA** **ICAL 1728199999** **10736** **SW-846 8082**

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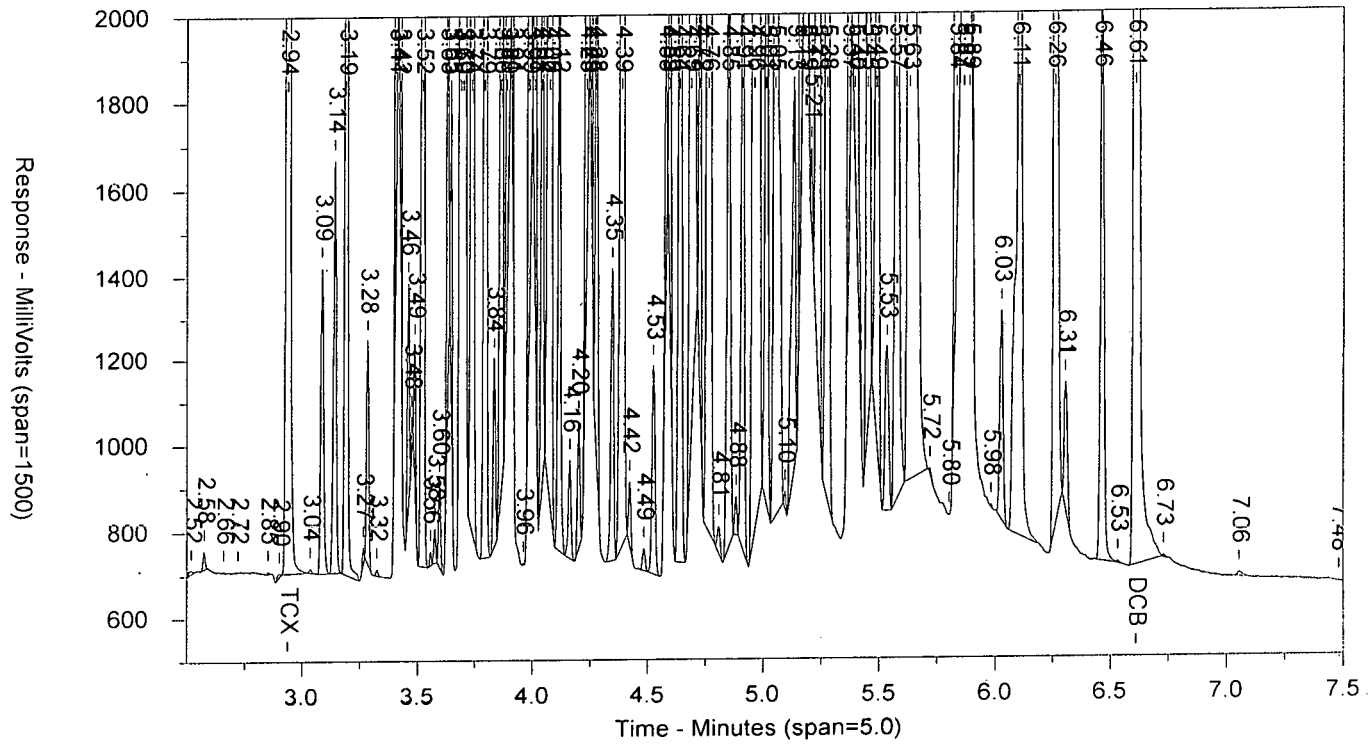

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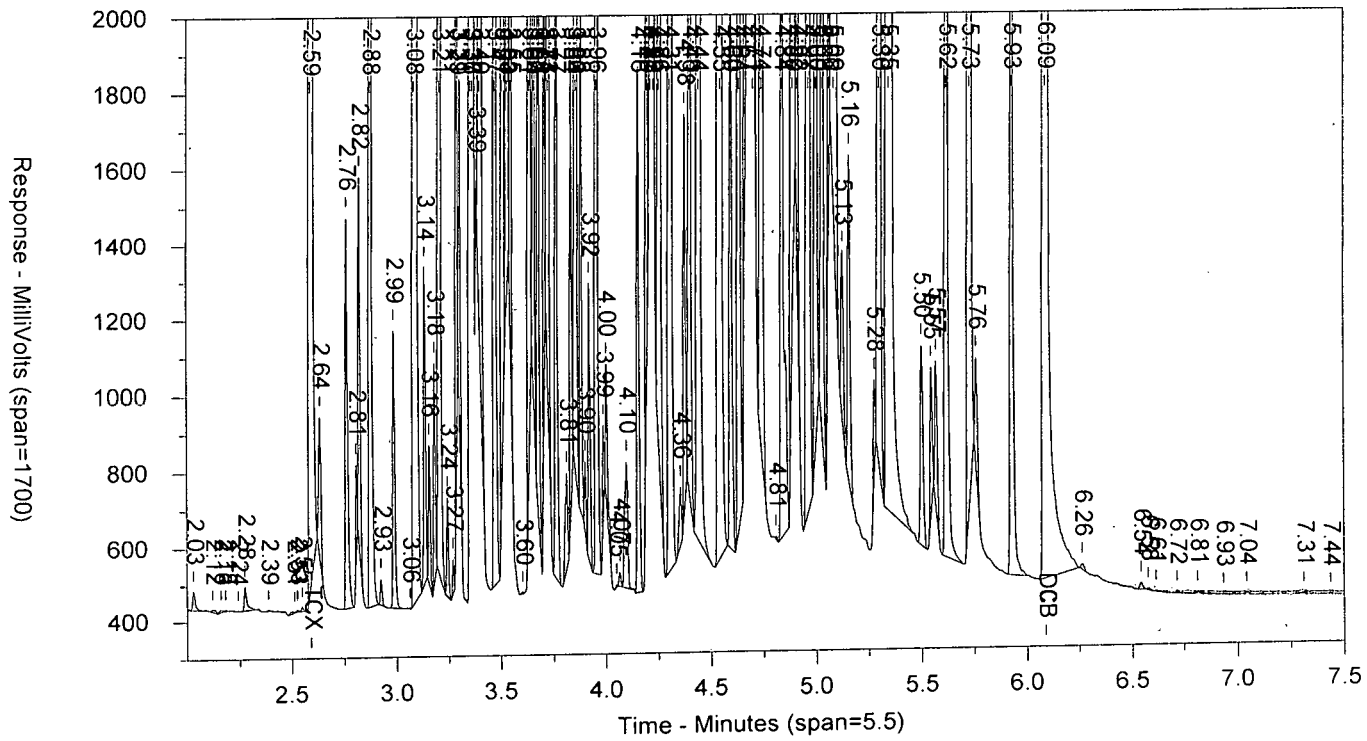

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:25:27 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: 07pcbs17282001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.614		5468	37564
1.849		2130	885
1.918		2933	3278
2.053		21880	34418
2.101		4933	12117
2.169		7383	7942
2.235		2802	1273
2.335		30981	22282
2.499		5205	5619
2.68		1724	849
2.785		3617	2421
2.851		10565	4719
2.868		13781	17140
2.913		3874	10580
2.938	TCX	565702	405151
3.087		5294	5268
3.135		10274	10011
3.19		31241	22149
3.268		3944	5305
3.281		5942	4581
3.404		90659	53493
3.421		29083	14552
3.458		5837	3133
3.519		81815	60074
3.6		7002	5146
3.629		16212	9963
3.643		5889	2450
3.686		73910	40077
3.697		73565	35727
3.734		108234	81657
3.792		110290	85523
3.834		16481	11201
3.862		193794	138021
3.888		126884	101103
3.909		23769	12376
3.939		2271	637
3.984		211535	150440
4.008		66318	42196
4.039		78344	54346
4.073		179152	165038
4.112		64564	47551
4.163		3841	2399
4.175		7251	4463
4.198		18155	12802
4.231		164029	111114
4.251		189721	124642
4.274		219670	170432
4.345		19399	17587
4.379		156003	131621
4.398		35750	17445
4.421		54725	37839
4.465		2854	1930
4.483		11940	8699

RT A	Compound A	Height A	Area A
4.525		63000	55907
4.575		89215	73683
4.606		57370	45025
4.637		149262	130780
4.684		6040	4617
4.719		52498	44992
4.762		21687	23192
4.807		11119	11068
4.849		79468	75134
4.908		6108	4952
4.962		25965	35471
5.005		2614	2128
5.047		60941	61557
5.089		2192	1708
5.12		1305	645
5.166		28692	28929
5.23		8838	8495
5.275		8991	8799
5.344		3768	13771
5.372		5811	4227
5.393		6842	4955
5.43		2038	1060
5.436		1951	405
5.496		2650	3478
5.542		1522	1574
5.575		5039	4555
5.633		12898	11811
5.835		22078	23397
5.889		7433	16382
5.952		4655	3783
6.024		7975	8365
6.09		7989	9775
6.263		11195	23118
6.463		8188	7564
6.501		1585	643
6.609	DCB	449656	462489
6.793		1272	579
6.861		1843	896
6.941		1790	996
7.021		1848	821
7.085		1565	856
7.107		1816	383
7.474		1491	544
7.736		1504	608
7.784		1493	827
7.912		1273	1271
7.943		2126	1063
7.986		1121	444
8.015		1788	1110
8.085		1403	438
8.11		1942	1057
8.177		1613	1001
8.274		1041	1022
8.303		1295	830
8.327		1381	394
8.414		2194	975
8.52		1797	716
8.575		1102	377

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:25:27 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: 07pcbs17282001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.644		1889	1673
1.669		1389	812
1.724		8155	4556
1.772		14561	31677
1.815		12636	34241
1.901		52825	66472
1.964		8461	17607
2.133		5717	3901
2.158		5198	5963
2.388		8478	93136
2.525		15048	43423
2.592	TCX	774673	504143
2.765		8780	9640
2.81		10942	7830
2.824		5169	2727
2.877		41775	28178
2.925		2838	2159
2.988		9287	5814
3.085		139806	135155
3.136		9356	5615
3.163		4270	3481
3.206		109780	73433
3.247		5311	4311
3.27		2986	1265
3.29		21939	11566
3.305		13009	8157
3.356		71888	39544
3.364		95356	41419
3.385		17170	6985
3.398		100855	61827
3.472		149016	93650
3.508		250117	157567
3.532		222579	125892
3.549		74139	36232
3.634		295930	189398
3.657		90745	50135
3.678		99034	57176
3.706		45522	22714
3.723		202872	122171
3.764		83263	54805
3.812		14721	12648
3.834		137496	87299
3.857		374830	238600
3.881		243337	152899
3.9		21658	10078
3.92		31670	19119
3.955		118024	79227
3.988		191460	146404
4.016		86031	47724
4.052		6301	3657
4.062		7586	3873
4.098		55368	41869
4.155		114350	84233
4.187		63060	45454

4.214		173878	128594
4.253		4813	4736
4.307		81075	71118
4.342		16485	11980
4.375		94952	66402
4.399		4321	2086
4.442		27766	18625
4.466		7472	4428
4.542		24805	33198
4.591		87192	70478
4.633		9293	9912
4.671		39084	34808
4.702		8701	7505
4.741		6012	5131
4.89		10689	8551
4.914		8281	7469
4.964		6371	5018
5		3223	2409
5.064		2810	2112
5.085		24464	23343
5.158		2432	1887
5.194		5540	9518
5.301		6838	6658
5.347		18722	22142
5.502		8529	8561
5.57		7857	7937
5.62		4091	3724
5.728		8343	7428
5.928		11505	9854
6.088	DCB	709295	703672
6.273		1574	2344
6.363		1398	2239
6.574		2496	1828
8.17		8755	14827

AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082

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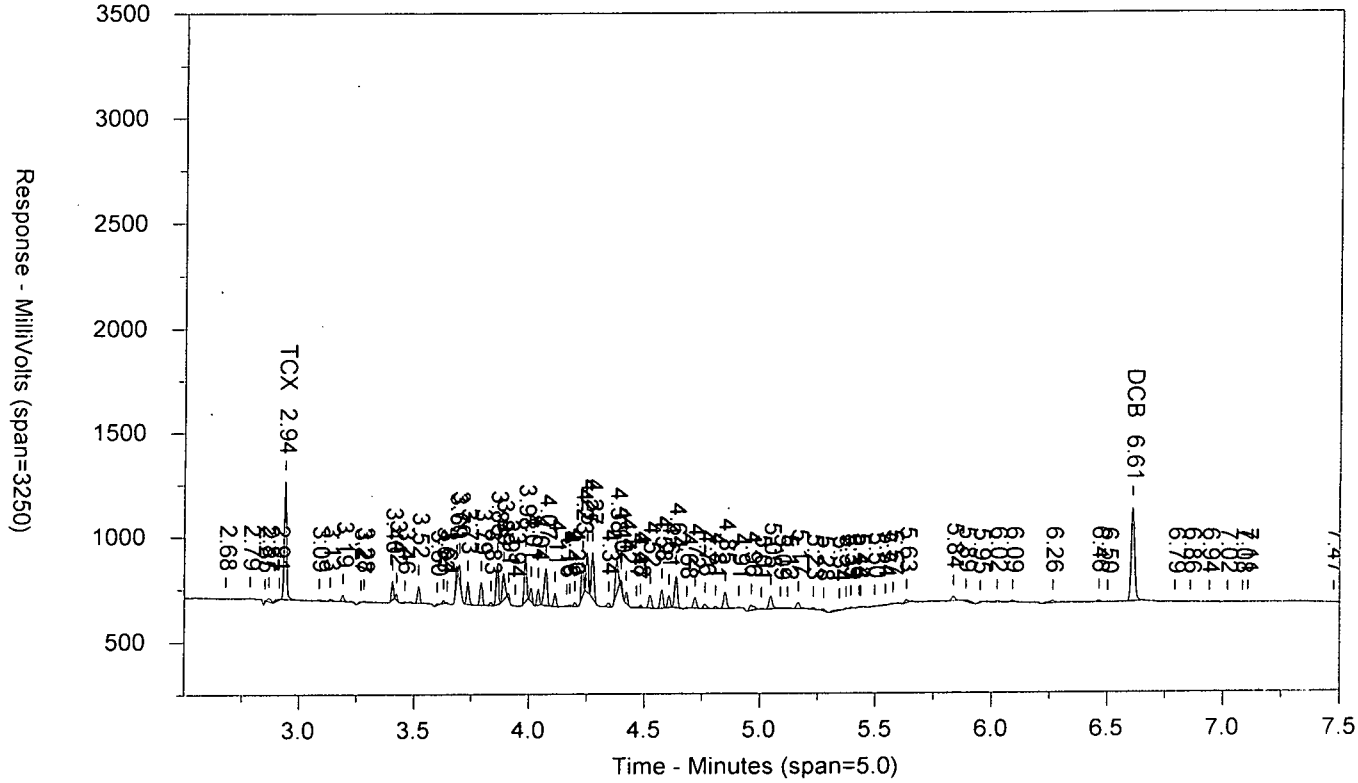

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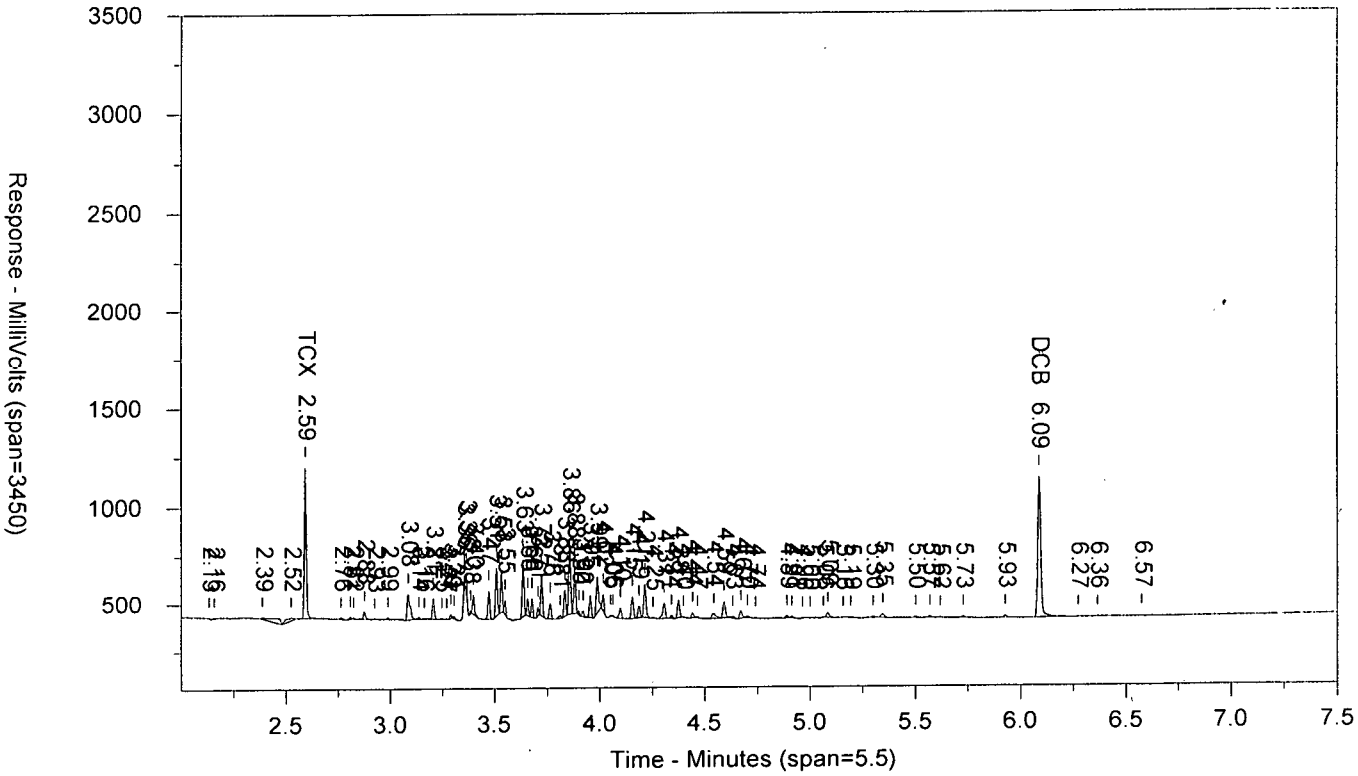

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:25:27 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
2.938	565702	2.008	TCX	2.592	774673	2.426	TCX
6.609	449656	2.346	DCB	6.088	709295	2.259	DCB

Files:
Area File: 07pcbs17282001.0013.RAW
Area File: 07pcbs17282001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 9:34:10 PM
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AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082

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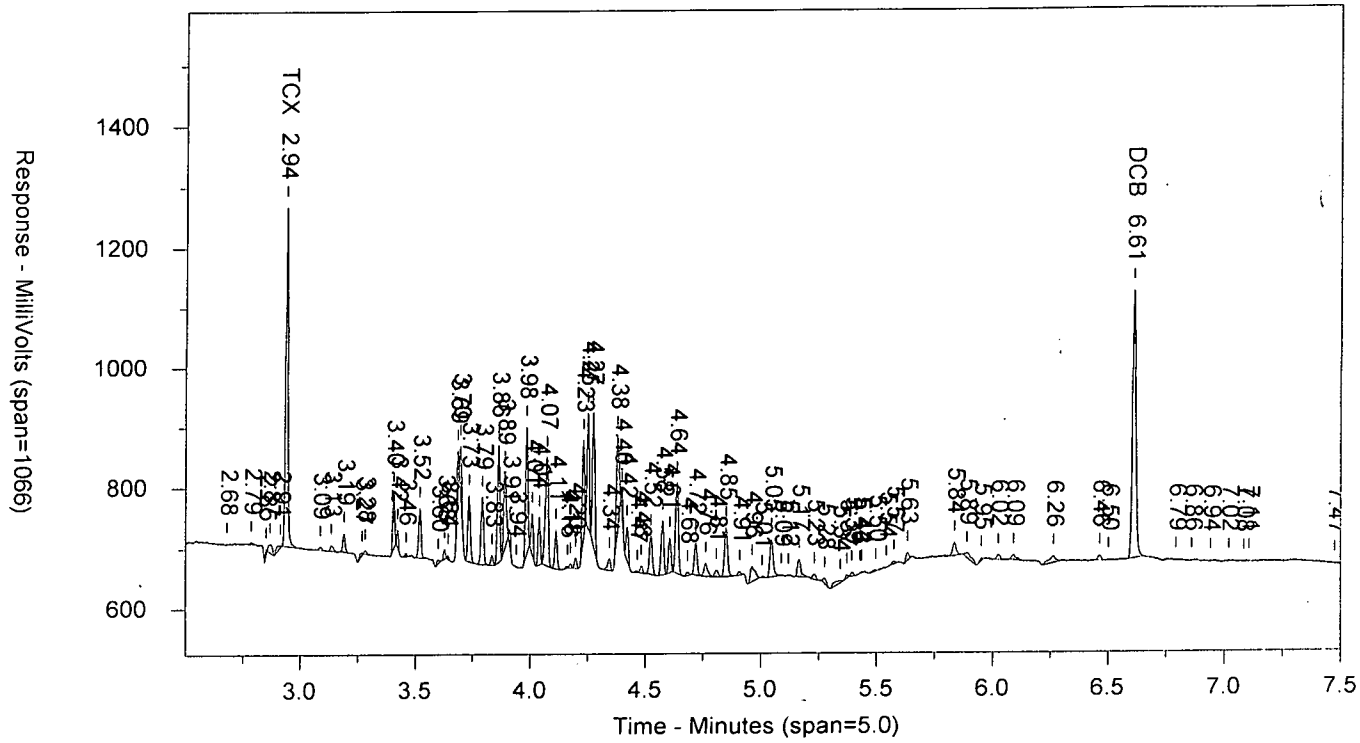

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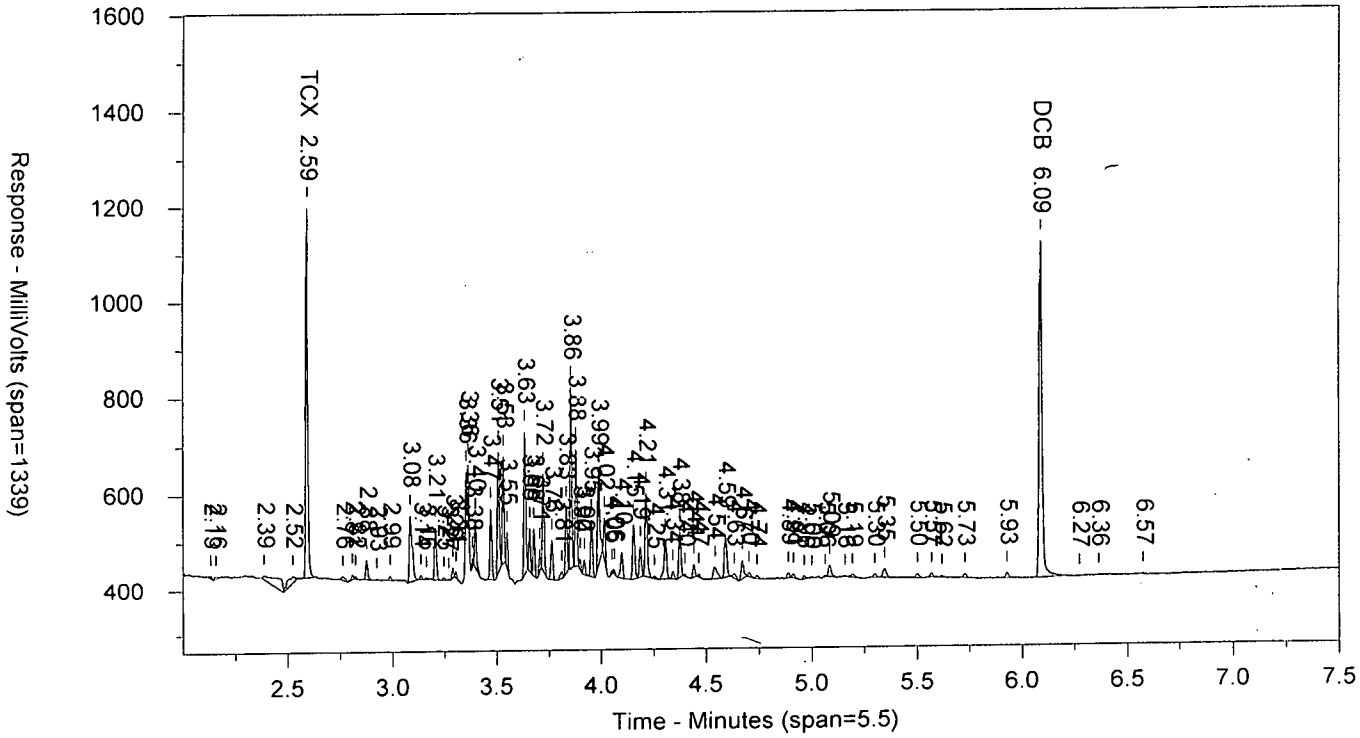

AR4811724C AAAR481AA ICAL 1728199999 10736 SW-846 8082

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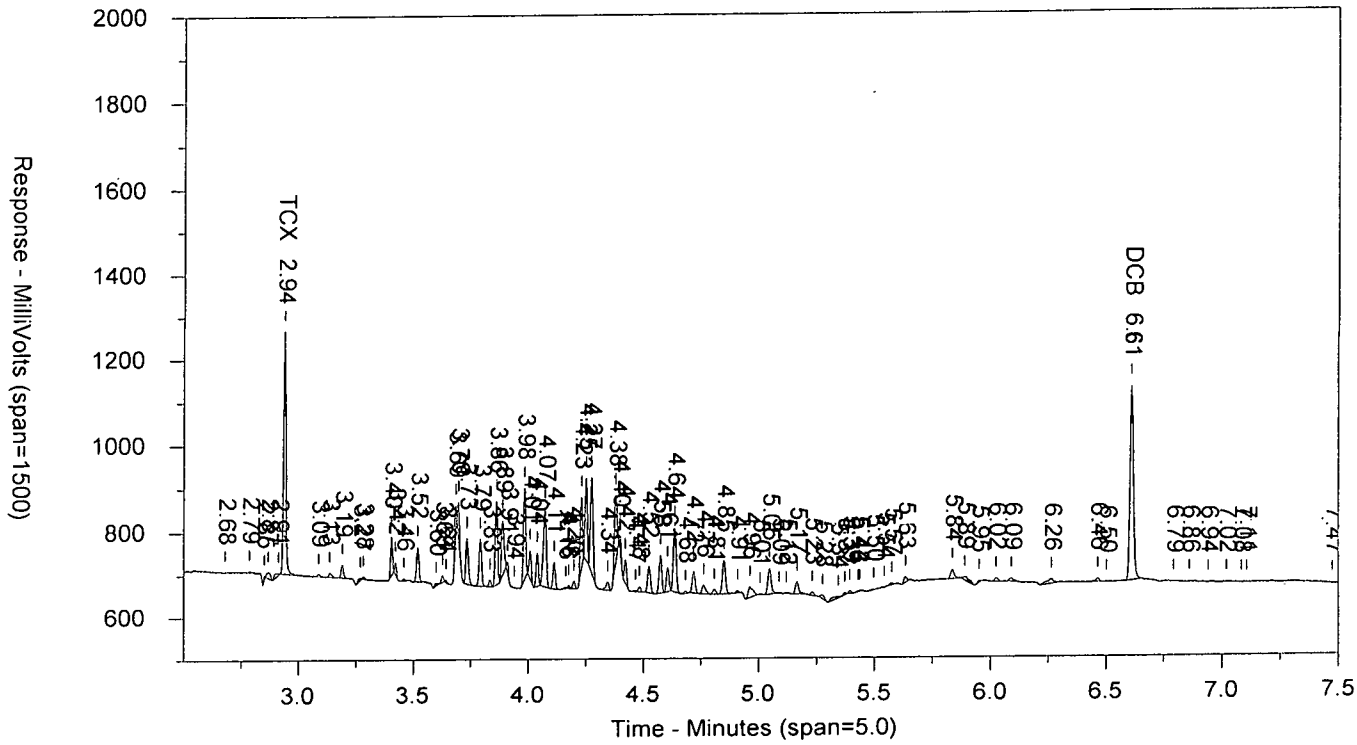

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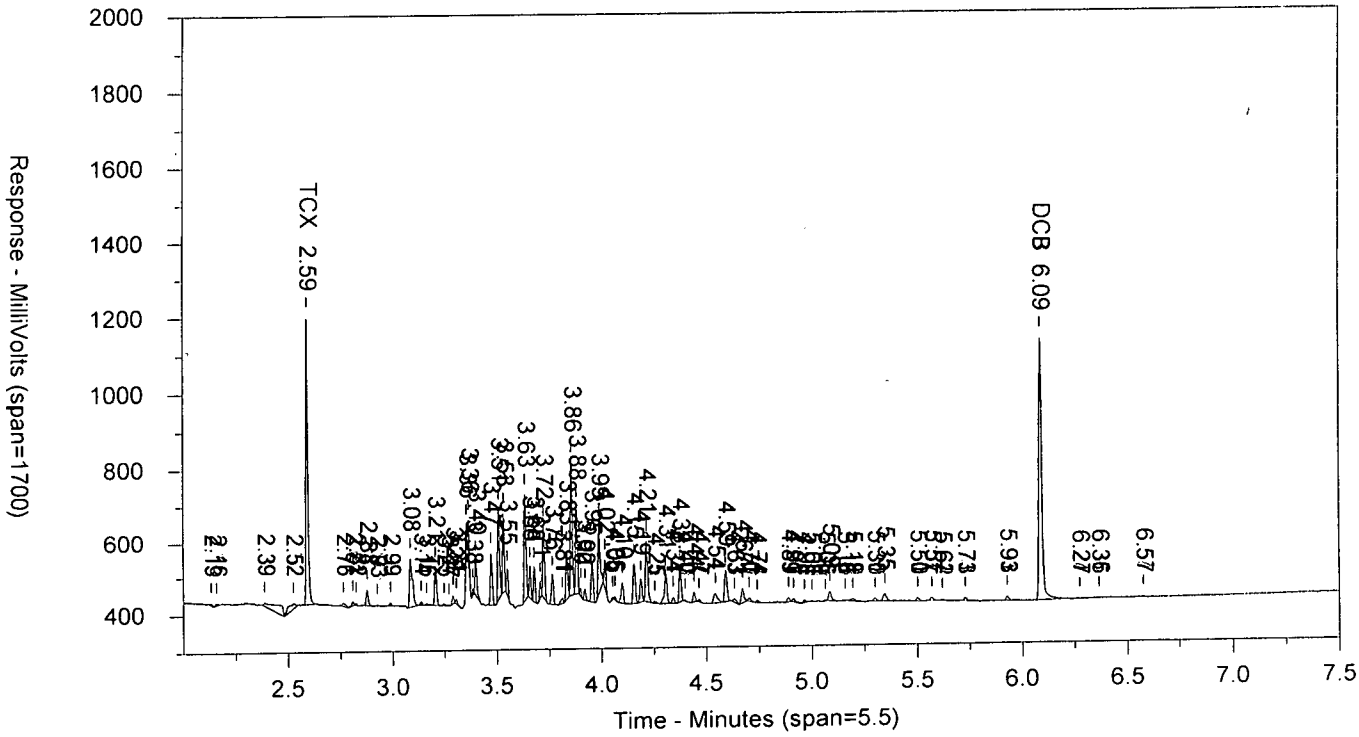

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:36:56 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: 07pcbs17282001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.512		2627	1436
1.611		5504	28800
1.872		1913	1288
1.954		1673	909
2.053		16907	31553
2.093		4766	6181
2.173		4939	8491
2.234		6218	5567
2.334		111217	79657
2.462		89481	68804
2.497		9855	11000
2.54		9945	8375
2.785		5307	3954
2.863		11948	17932
2.901		3949	3182
2.938	TCX	1131523	779395
3.025		4370	2771
3.087		8137	7909
3.136		19116	17623
3.19		52671	34822
3.267		3783	4296
3.283		13681	9495
3.404		149628	92129
3.421		46683	23480
3.458		10760	5671
3.519		145643	104196
3.574		9892	6611
3.599		6766	5142
3.628		30067	17562
3.642		10157	4903
3.685		149532	77806
3.696		133840	57479
3.733		171832	137615
3.791		191320	146911
3.833		29060	19563
3.86		340643	242689
3.887		221101	172253
3.909		59327	29980
3.983		375472	268466
4.007		115354	75667
4.038		139584	97391
4.072		328593	292139
4.112		116898	87643
4.146		1585	527
4.159		8296	5278
4.175		6328	3113
4.197		34464	24862
4.23		283333	191482
4.25		356467	223998
4.273		411402	303602
4.343		36818	30889
4.378		284707	238863
4.397		65257	34451

RT A	Compound A	Height A	Area A
4.419		97023	64658
4.462		5957	3610
4.482		23189	17362
4.524		115284	102636
4.574		161296	135521
4.606		100217	74776
4.636		271154	232508
4.687		5367	4329
4.718		93771	84804
4.761		24732	27149
4.807		22674	19402
4.848		140348	135790
4.908		5501	4189
4.926		9954	7501
4.96		13299	9704
5.002		986	326
5.045		110427	112459
5.091		3345	2109
5.123		4990	5380
5.164		38471	37690
5.23		7291	6421
5.327		2104	3715
5.37		9394	7633
5.392		5724	3359
5.422		1465	749
5.438		1336	1084
5.488		2497	1389
5.571		6116	5435
5.601		2207	619
5.632		10094	7263
5.654		4344	3111
5.705		1675	515
5.719		1571	600
5.787		2015	570
5.834		16890	17874
5.886		5346	6503
5.959		3736	5018
6.024		17745	16728
6.089		17668	21235
6.26		8829	14050
6.304		1724	484
6.355		1161	428
6.389		1362	415
6.415		1405	466
6.433		1727	631
6.46		13316	12253
6.497		2387	1328
6.553		1170	786
6.607	DCB	845816	898682
6.878		2026	948
6.956		1725	778
6.995		1615	510
7.052		1474	1200
7.127		1434	361
7.196		1806	660
7.227		1695	648
7.29		1944	1690
7.391		1851	611
7.562		1549	752
7.763		1527	518
7.788		2021	822
7.905		1181	447
7.985		1748	790
8.048		1591	514
8.306		1499	638
8.439		1658	1568

RT A	Compound A	Height A	Area A
8.448		1170	300
8.538		1236	287
8.572		1840	966

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:36:56 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: 07pcbs17282001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.724		4232	2540
1.772		6279	12211
1.802		3883	5936
1.9		148601	122563
1.967		4400	7290
2.029		2856	1825
2.068		24268	17416
2.134		11661	8366
2.157		3963	3625
2.214		6680	5576
2.255		1031	951
2.297		4512	4861
2.34		3298	2001
2.388		6043	6175
2.509		5991	12570
2.526		9336	6496
2.592	TCX	1495741	998403
2.682		6199	5394
2.764		14479	18943
2.81		19884	10576
2.825		8205	4278
2.877		67126	45782
2.926		4930	4307
2.989		17882	14132
3.085		231575	219614
3.136		16859	9423
3.162		5489	4443
3.183		4314	2522
3.206		182811	124561
3.246		6311	4215
3.27		4975	2670
3.29		38688	20259
3.305		18771	9098
3.355		166403	77856
3.364		148148	63812
3.384		34029	13316
3.398		167619	104570
3.472		252382	162900
3.508		437776	273073
3.531		385498	215264
3.549		120540	62648
3.597		2607	1477
3.634		486847	321147
3.657		156182	84820
3.677		162788	98101
3.706		78369	39073
3.723		349534	211985
3.764		138446	95375
3.811		26103	22024
3.834		262432	158722
3.856		646644	414451
3.88		443178	272031
3.899		36674	16925
3.919		46661	27828

3.954		196171	134261
3.988		331772	259701
4.016		161427	88417
4.063		27375	26776
4.097		111439	83538
4.154		200651	150381
4.186		114750	82258
4.214		313766	225971
4.253		5831	5447
4.306		130104	117872
4.342		30117	21608
4.375		176392	151284
4.441		25894	18037
4.465		11792	8418
4.539		29978	37859
4.591		166300	129972
4.63		7692	8593
4.671		52119	45538
4.703		5432	2467
4.741		4612	3177
4.889		8476	5925
4.914		16434	13504
4.963		5185	4741
5.034		2886	2216
5.063		4933	3497
5.085		17876	14839
5.158		5686	4622
5.194		5384	9527
5.3		7769	6609
5.348		14822	16245
5.502		17062	16376
5.535		2033	1811
5.57		15966	13925
5.621		3397	2997
5.73		8478	10313
5.828		4495	9044
5.929		21423	20999
6.087	DCB	1512788	1532578
6.372		2327	1344
6.569		4575	7112
6.802		3364	4427
7.039		3649	6273
7.12		2416	6006
7.311		6519	14376
8.171		8311	16049

AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082

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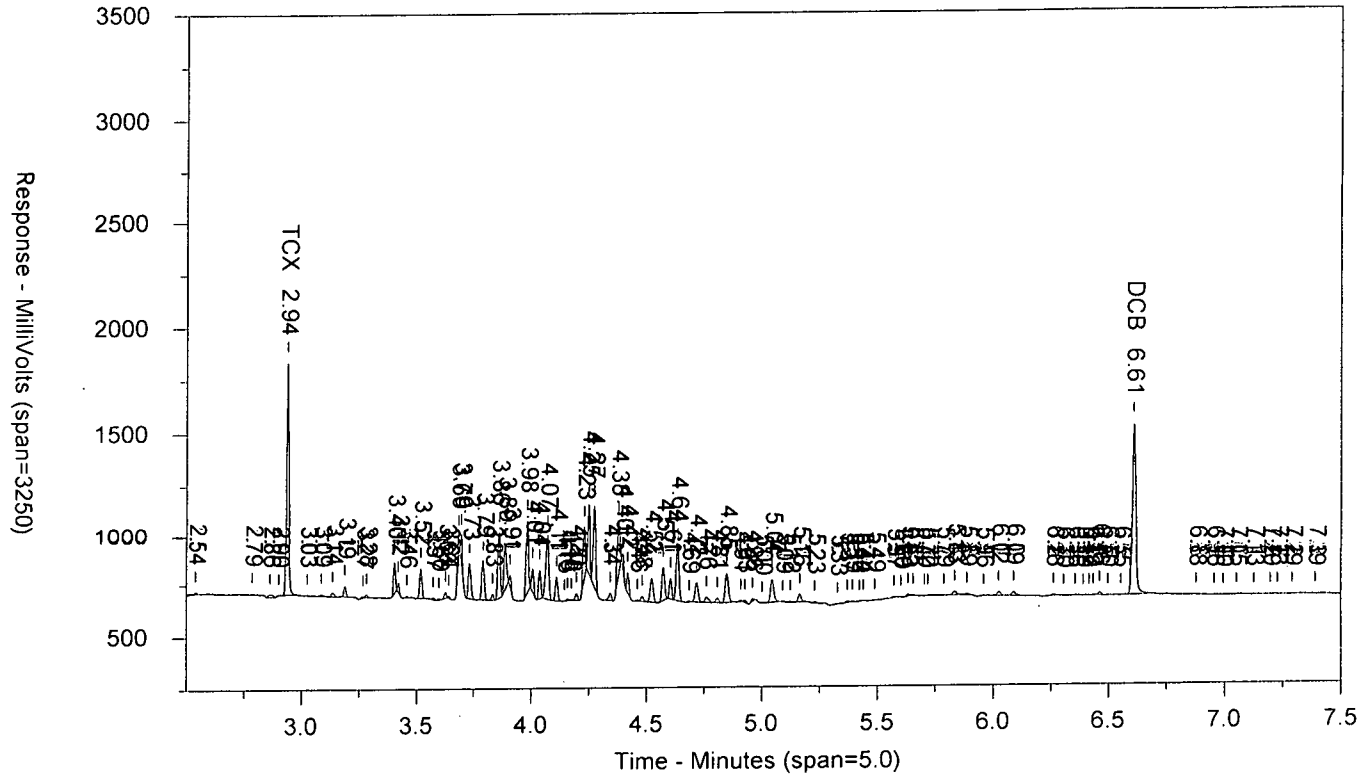

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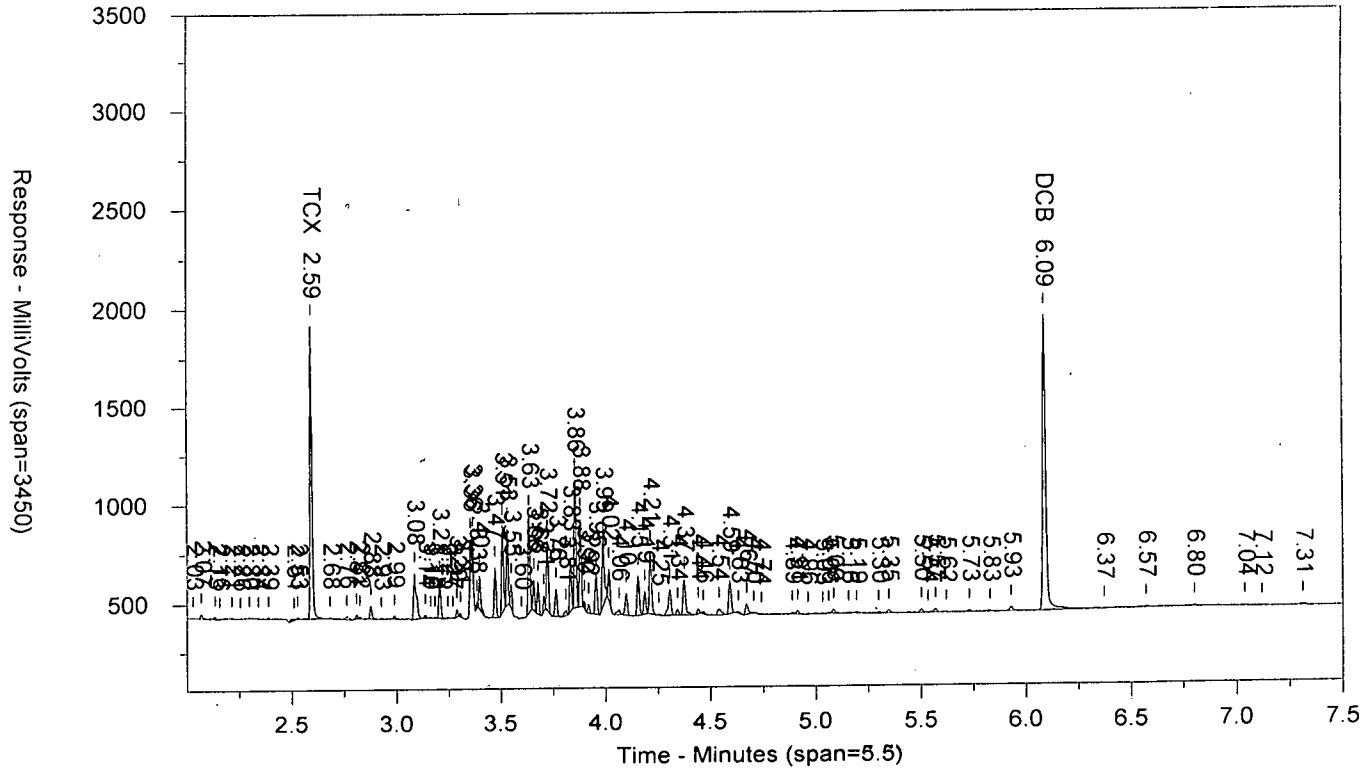

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:36:56 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
2.938	1131523	4.016	TCX	2.592	1495741	4.684	TCX
6.607	845816	4.412	DCB	6.087	1512788	4.818	DCB

Files:
Area File: 07pcbs17282001.0014.RAW
Area File: 07pcbs17282001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 9:45:38 PM
File Reported On: 10/9/2017 at 9:45:47 PM

AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082

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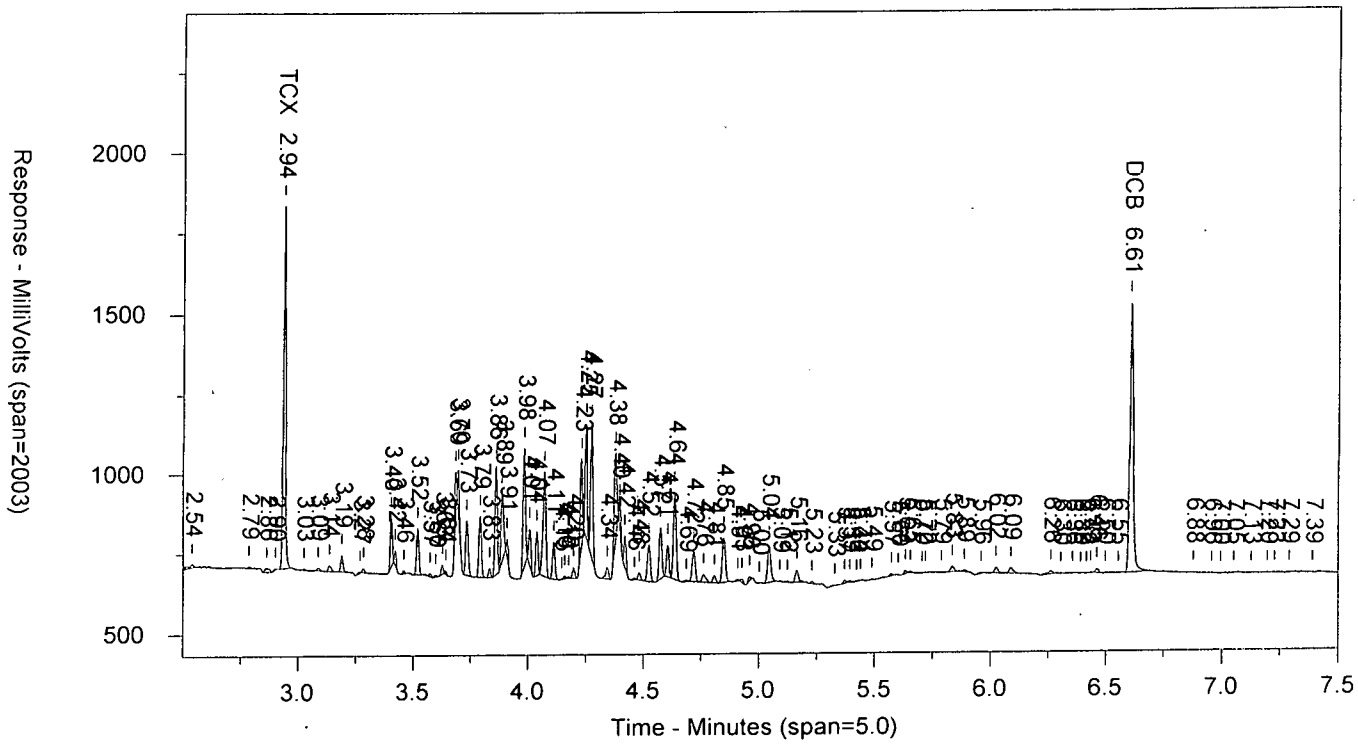

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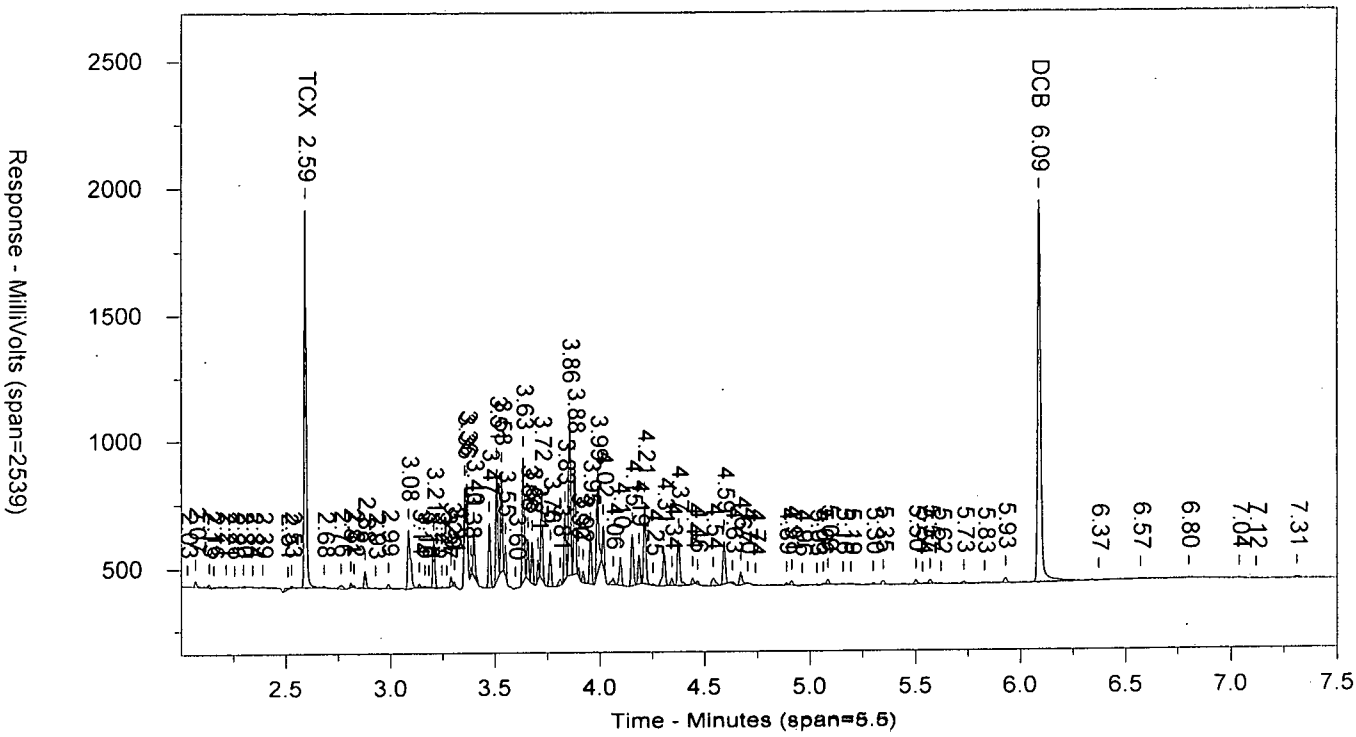

AR4821724C AAAR482AA ICAL 1728199999 10736 SW-846 8082

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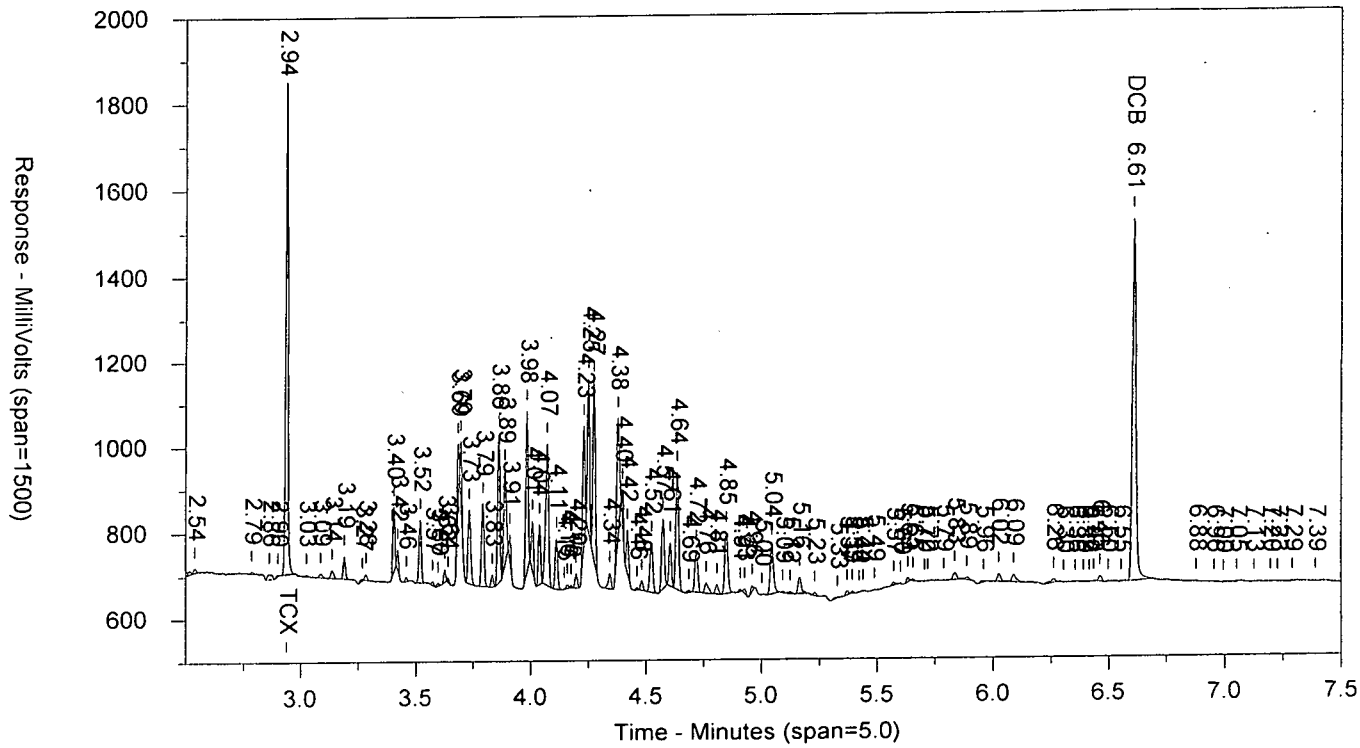

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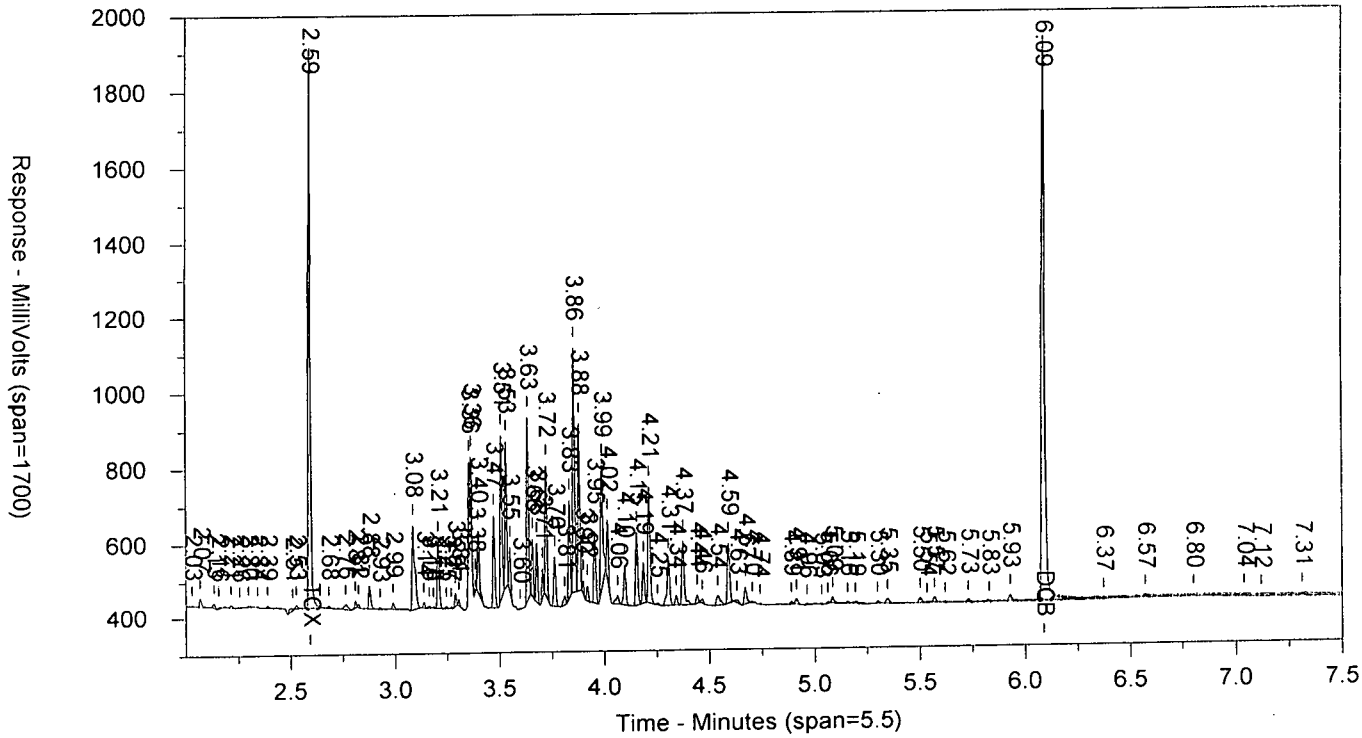

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:48:12 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: 07pcbs17282001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.614		8148	52665
1.782		2046	1003
2.054		28589	44304
2.103		6221	18430
2.173		2584	3545
2.234		26526	22840
2.334		38775	34428
2.514		725	15551
2.68		2552	1550
2.716		3203	1295
2.785		11086	9163
2.861		3566	3040
2.901		10798	11359
2.937	TCX	5446891	3712254
3.086		18914	19587
3.134		84643	65505
3.189		103129	72925
3.265		19054	14292
3.282		19140	11058
3.403		307709	181209
3.42		96089	48370
3.457		22266	12941
3.474		3204	935
3.517		290265	205895
3.574		27562	17178
3.596		15340	10931
3.627		62302	35015
3.641		19318	8705
3.684		247896	135777
3.695		266312	117440
3.732		347074	274717
3.791		392306	293239
3.832		59779	39669
3.86		637254	464279
3.886		423791	327185
3.908		109622	55046
3.945		1166	141
3.982		724591	516881
4.006		222894	145540
4.038		269843	189575
4.071		632933	566441
4.111		219716	172011
4.158		19591	14027
4.174		4343	1822
4.197		73256	55189
4.23		535110	368231
4.249		678707	428958
4.272		778223	588009
4.342		75391	68972
4.377		538992	453930
4.396		133176	65419
4.419		191963	128661
4.459		12205	7996

RT A	Compound A	Height A	Area A
4.482		44847	32997
4.523		219944	199553
4.574		309625	260211
4.605		193399	146183
4.635		525751	456632
4.685		10858	7590
4.718		195526	173714
4.761		47821	55792
4.807		45563	40620
4.847		273712	266902
4.906		6849	4283
4.926		22385	16745
4.959		24322	17861
5.01		3736	3015
5.043		208955	226915
5.092		6826	4438
5.122		11349	13546
5.164		73399	63990
5.185		4516	1993
5.201		3695	2399
5.23		14762	11844
5.273		13213	14133
5.317		3422	3711
5.348		917	381
5.369		20135	16654
5.391		10621	6985
5.434		2003	1087
5.447		4454	3032
5.49		1715	2773
5.532		5485	4914
5.57		12072	11516
5.63		18261	14455
5.652		17431	13867
5.693		2065	398
5.705		1838	375
5.833		34487	33912
5.888		18214	34673
5.955		3184	5021
6.024		79175	76294
6.087		79437	87998
6.149		1832	989
6.258		17739	35161
6.323		2670	693
6.424		1035	805
6.46		59544	59200
6.495		1239	447
6.606	DCB	3550710	3768513
6.934		1356	768
6.993		1430	867
7.163		2017	1248
7.176		1715	626
7.245		1219	458
7.342		1203	328
7.357		1184	354
7.385		1413	714
7.863		1591	429
7.971		885	533
8.109		1289	418
8.131		1445	449
8.228		1704	760
8.288		1012	690
8.301		1420	507
8.374		1204	318
8.438		1624	415
8.522		1785	759
8.579		1842	2375

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:48:12 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: 07pcbs17282001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.646		1987	1446
1.723		4489	2306
1.769		12902	24667
1.846		15724	57748
1.902		74737	105509
1.963		11848	20465
2.03		16045	18671
2.164		7963	10307
2.208		2003	3624
2.39		5805	6114
2.508		9502	18230
2.527		13303	11866
2.592	TCX	5733597	3751010
2.763		28805	36528
2.81		89196	51091
2.877		114664	77880
2.926		22014	13973
2.988		26313	17581
3.055		8426	8423
3.084		392737	367476
3.136		30007	17655
3.159		9040	6687
3.182		8988	4654
3.206		310432	210210
3.246		12305	8351
3.27		28297	14565
3.289		69078	35685
3.305		29831	16002
3.355		255738	126625
3.364		290063	120053
3.384		57178	22937
3.398		293911	183054
3.472		448369	286007
3.508		733048	463785
3.53		669182	365024
3.548		219454	109903
3.633		893898	579093
3.656		284345	152961
3.676		305595	181041
3.705		137186	70726
3.722		648961	392850
3.763		255849	180366
3.811		50309	41165
3.833		440837	276985
3.856		1167789	752512
3.88		811563	496613
3.899		61493	29091
3.919		78328	44605
3.954		365675	255151
3.988		611583	476750
4.015		316232	174573
4.062		48477	41501
4.098		185742	149035
4.153		367659	280897

4.186		212525	151534
4.213		567604	422282
4.251		10725	10012
4.306		231916	220180
4.342		55574	41458
4.374		321371	241070
4.441		47756	30795
4.466		25623	16433
4.539		60614	66397
4.591		313553	264233
4.631		20097	23368
4.67		94062	86692
4.702		10610	11427
4.741		8080	5541
4.836		2471	1653
4.89		16317	11628
4.913		29604	24446
4.963		10085	10288
4.999		3127	2379
5.032		6201	4917
5.062		9179	6128
5.085		31056	28036
5.157		19498	16150
5.194		4337	4379
5.279		1599	1028
5.301		14862	12750
5.347		29512	32414
5.501		73933	66947
5.57		76310	72695
5.618		10026	8836
5.727		15210	14203
5.927		77734	79554
6.086	DCB	5623964	5649448
6.539		4184	4507
7.598		2174	3646
7.72		3464	7791
8.168		8893	17540

AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082

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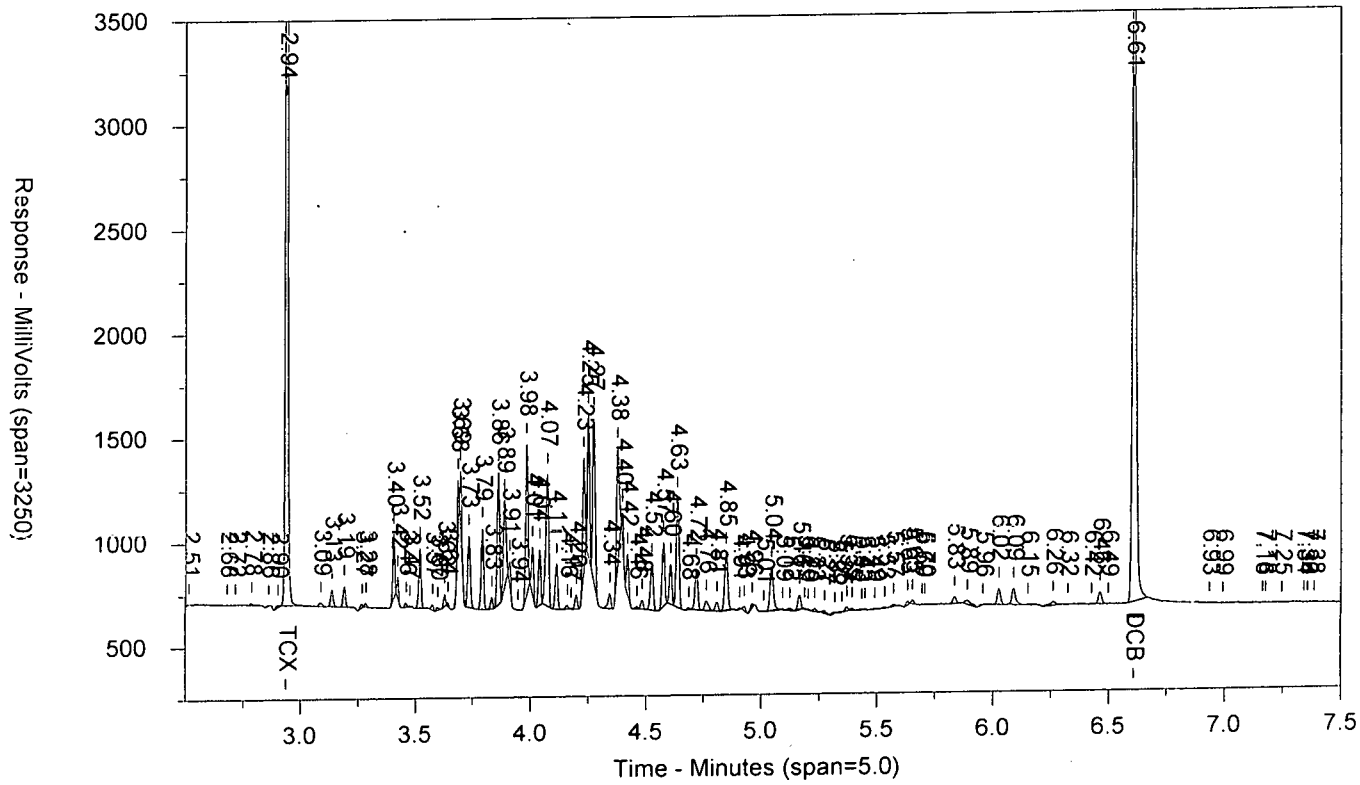

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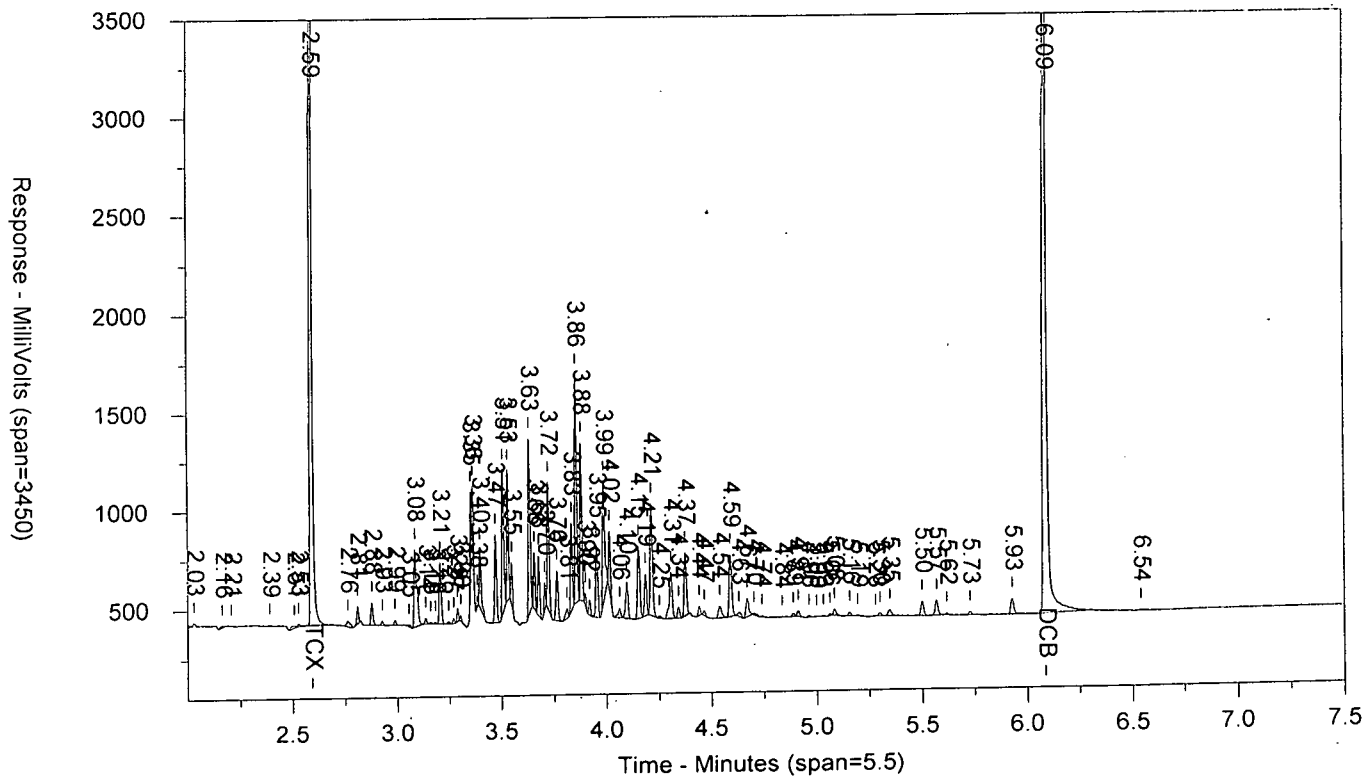

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:48:12 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
2.937	5446891	19.334	TCX	2.592	5733597	17.956	TCX
6.606	3550710	18.523	DCB	6.086	5623964	17.911	DCB

Files:
Area File: 07pcbs17282001.0015.RAW
Area File: 07pcbs17282001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 9:56:54 PM
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AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082

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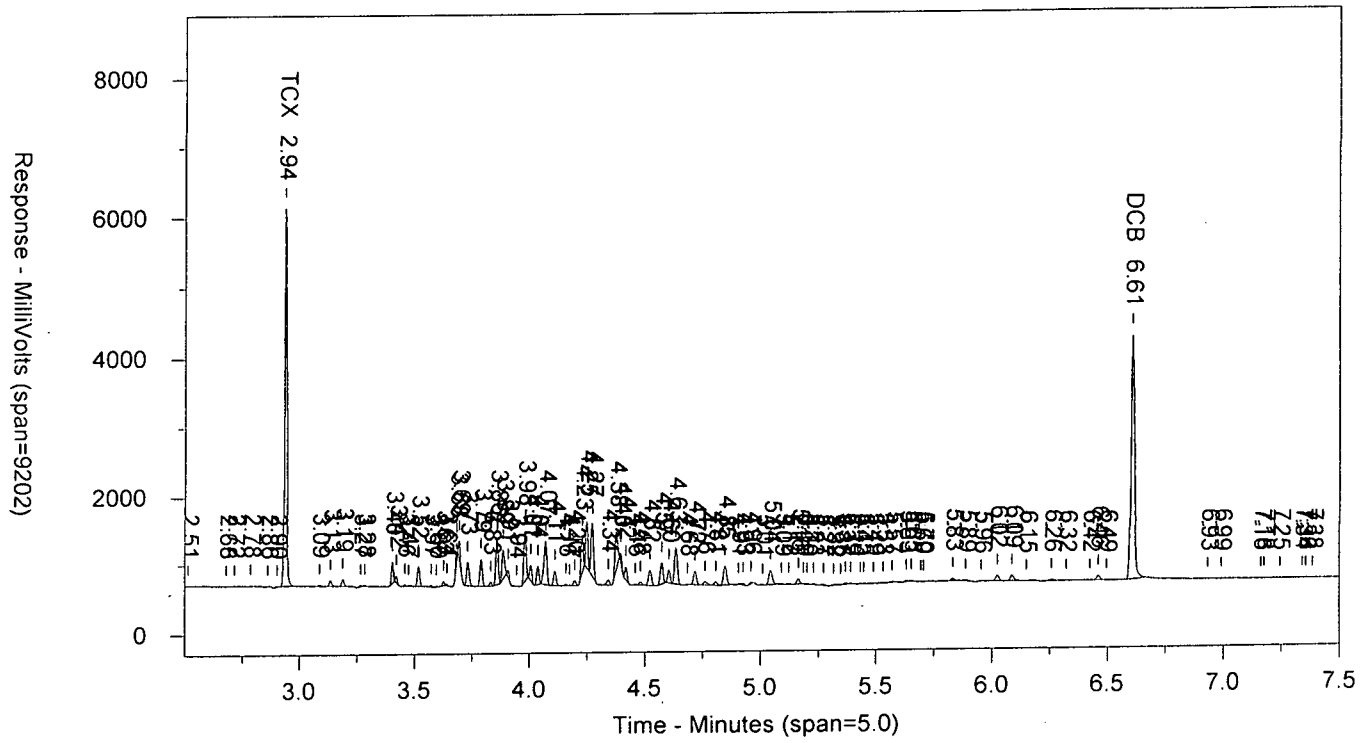

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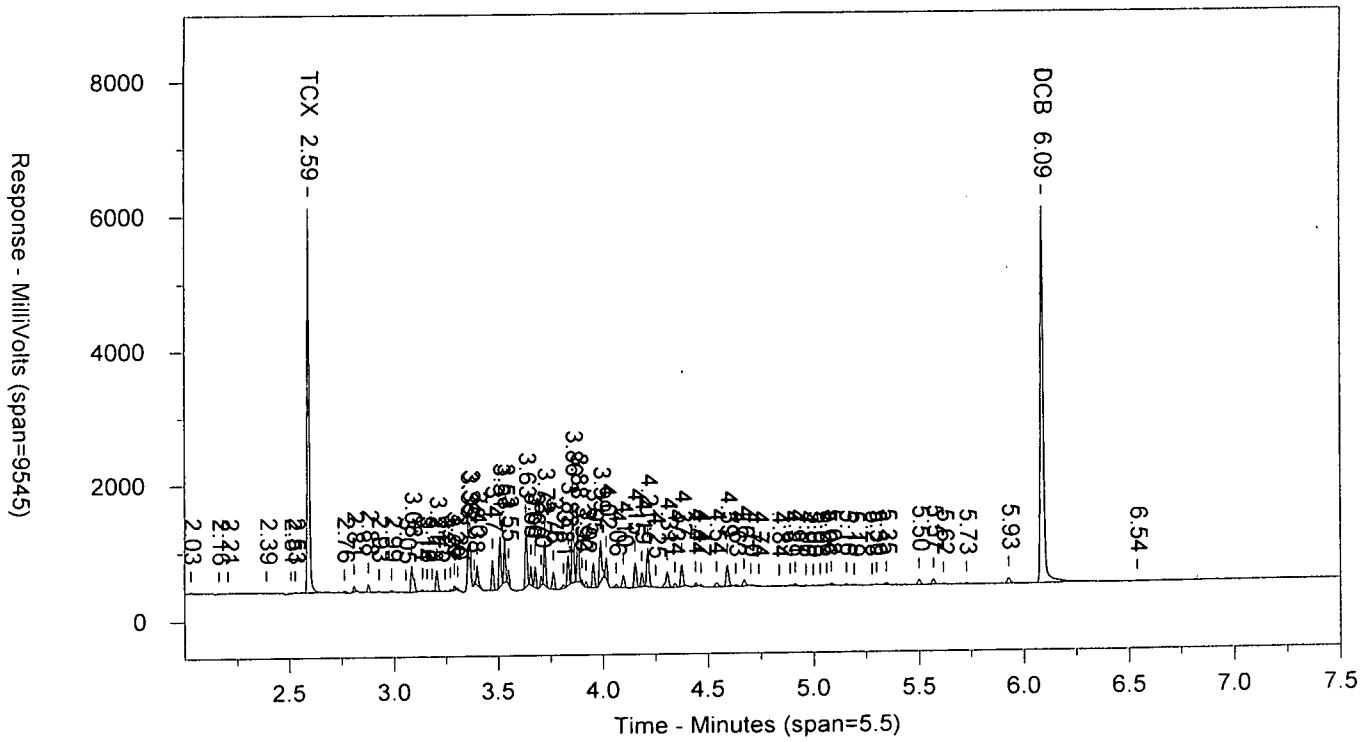

AR4831724C AAAR483AA ICAL 1728199999 10736 SW-846 8082

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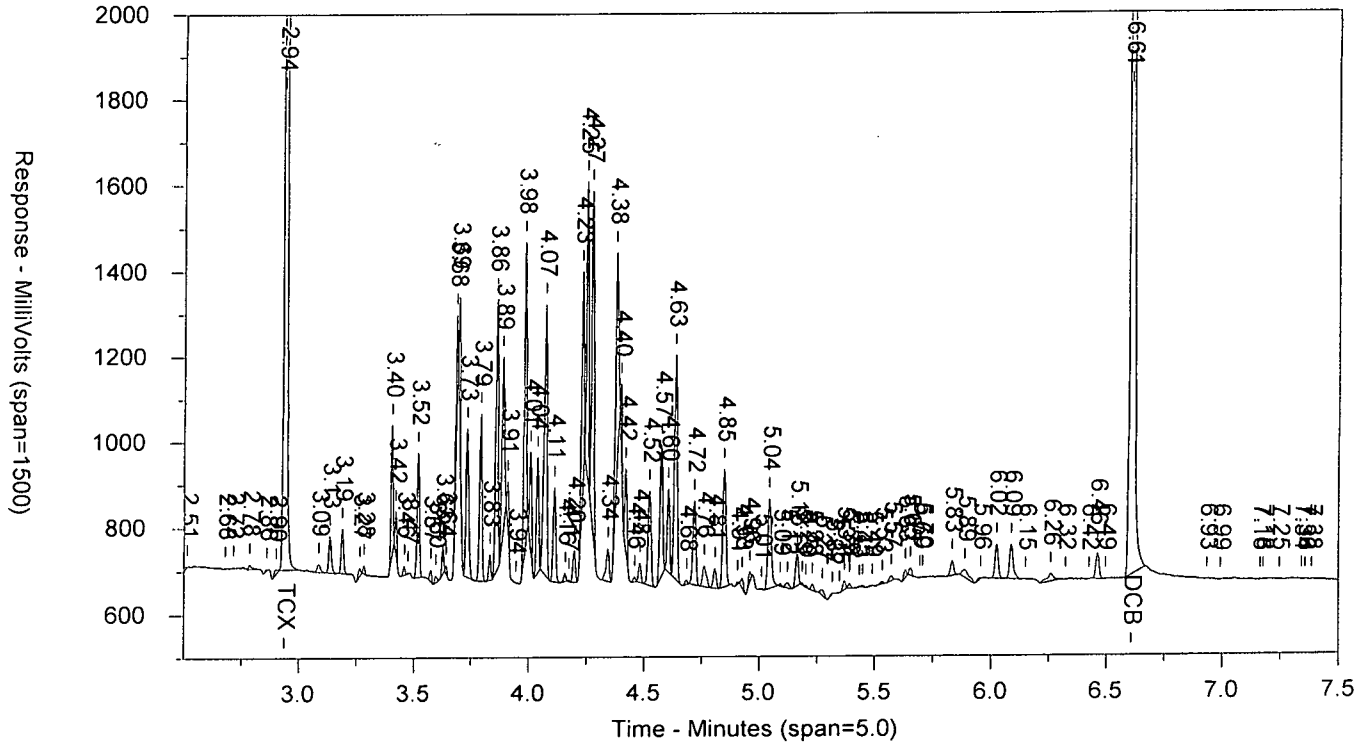

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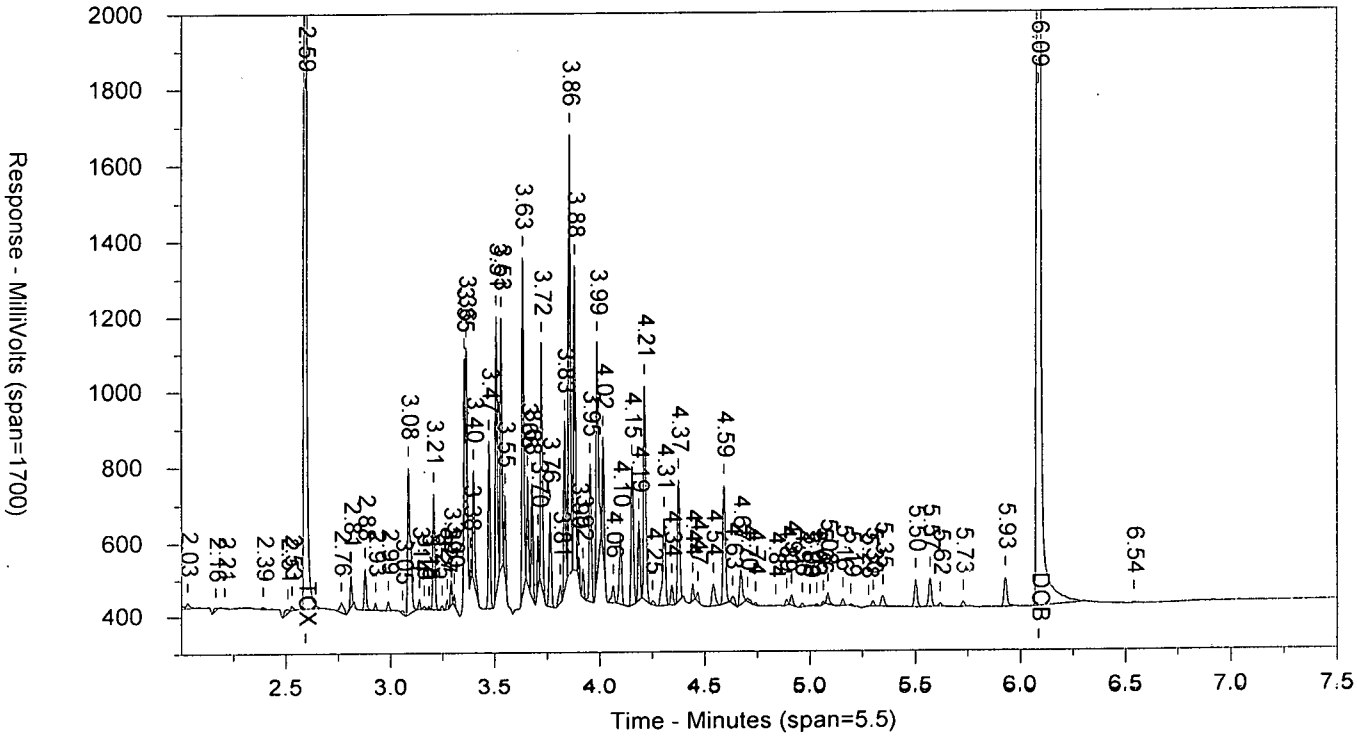

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:59:40 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: 07pcbs17282001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.518		2231	2282
1.608		8281	38203
1.787		1891	1606
1.916		2398	1343
1.968		1922	1248
2.058		25580	48980
2.089		17900	21772
2.122		6811	4164
2.181		2076	2386
2.235		48971	36637
2.334		9984	5328
2.515		8681	26244
2.681		2082	1116
2.785		3642	2177
2.867		17093	24880
2.937	TCX	11001820	7381824
3.036		4648	3232
3.087		34479	34856
3.134		158985	123944
3.189		193560	132472
3.265		30509	19407
3.282		38942	22842
3.403		523303	321249
3.42		169666	86941
3.457		43861	24824
3.473		6253	2147
3.518		505463	379689
3.574		45278	28097
3.596		22808	15294
3.627		110648	64545
3.642		33955	15767
3.684		462138	256392
3.695		453199	208567
3.732		638696	496004
3.791		679741	532459
3.832		108607	73074
3.86		1163865	834635
3.886		747306	586448
3.908		196430	106183
3.982		1341379	938365
4.006		392888	262456
4.037		478745	345846
4.071		1130154	1036437
4.111		396608	318730
4.157		41855	32843
4.196		136951	104081
4.229		989616	677352
4.25		1281030	796514
4.273		1461883	1070763
4.342		138431	128863
4.377		952127	823271
4.396		249422	145872
4.419		342895	237144

RT A	Compound A	Height A	Area A
4.46		22845	14898
4.481		83740	61649
4.523		397391	362370
4.573		552352	476101
4.605		336700	256506
4.635		952140	828160
4.683		21399	15299
4.718		352519	313480
4.76		84765	102432
4.807		84454	76340
4.847		507578	482060
4.906		7886	4394
4.925		37442	31529
4.96		40501	30330
4.971		15971	10973
5.009		6998	5363
5.044		392088	416127
5.093		10115	6569
5.121		22495	24530
5.163		130489	118339
5.186		6517	2552
5.203		8181	4217
5.23		27264	22249
5.273		18181	19315
5.316		4640	5216
5.339		1514	455
5.369		38053	31871
5.391		18844	12730
5.449		8200	6320
5.485		6108	8077
5.531		11004	10538
5.569		24869	23322
5.629		41700	33701
5.652		29251	22601
5.832		65383	63508
5.889		32851	57503
5.957		3406	4694
6.024		145640	146140
6.087		150855	166560
6.15		1813	609
6.167		1701	686
6.258		27927	40129
6.336		1124	297
6.391		1390	868
6.418		1288	598
6.46		121726	119766
6.529		1625	706
6.606	DCB	6896082	7447244
6.775		2493	1362
7.052		2996	2298
7.107		1493	628
7.21		1866	1720
7.243		1527	381
7.292		1210	320
7.915		1320	408
7.935		2432	973
8.004		1502	1141
8.028		1565	349
8.092		1219	1408
8.118		1270	900
8.143		1661	890
8.204		1615	372
8.275		937	309
8.314		1250	621
8.422		1337	287
8.453		1070	488

RT A	Compound A	Height A	Area A
8.574		2666	3665
8.654		1842	1070

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:59:40 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: 07pcbs17282001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.648		3367	4639
1.724		4692	2387
1.845		9712	48835
1.904		89267	103183
1.962		9849	25215
2.031		28872	28242
2.158		6454	7100
2.254		1372	1640
2.277		2458	1319
2.299		1660	2590
2.388		3787	3820
2.509		6518	13194
2.526		6095	4334
2.592	TCX	13783430	9081024
2.764		48333	50153
2.81		176794	96461
2.825		21143	8439
2.877		232123	163183
2.926		41823	25681
2.988		56478	37196
3.084		769596	728918
3.135		62423	36888
3.158		21403	14172
3.181		18984	10407
3.205		626410	435186
3.245		25608	17293
3.27		55878	29625
3.289		140640	74248
3.304		52295	24007
3.354		512525	236690
3.363		563797	240544
3.384		118996	46576
3.397		590502	369452
3.471		856874	555058
3.507		1380747	884265
3.53		1246859	690648
3.548		406680	201378
3.633		1652463	1063598
3.655		528446	276470
3.676		532241	324498
3.705		248439	130249
3.722		1148398	711505
3.763		460702	326373
3.811		88437	74732
3.833		826082	509574
3.855		2253157	1390005
3.879		1534996	924260
3.898		113352	52575
3.918		130826	75239
3.953		654973	460800
3.987		1138760	884126
4.015		584234	324397
4.062		87620	67726
4.097		355721	276357

4.153		677468	514812
4.185		402731	278099
4.213		1031847	772385
4.252		20856	19093
4.305		438715	402278
4.342		97950	75144
4.374		605194	448300
4.441		83208	57398
4.465		46244	31084
4.539		103610	118330
4.59		612000	494865
4.632		33516	36665
4.67		168743	155386
4.702		19087	20907
4.741		15544	11437
4.813		2353	1465
4.839		4536	2880
4.857		5979	3769
4.889		30960	22219
4.913		58467	45820
4.962		17773	17499
4.998		5301	3733
5.033		13399	10166
5.062		19775	13222
5.084		64690	56332
5.155		39814	32783
5.195		4929	7989
5.276		2816	2135
5.3		32744	28230
5.347		59568	67793
5.501		139480	133843
5.569		151163	139097
5.619		18412	16177
5.727		31502	28616
5.879		3123	2635
5.927		174925	167908
6.086	DCB	12842990	12445790
6.471		1837	3521
6.539		9192	8434
8.168		8154	13823
8.599		959	4219

AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082

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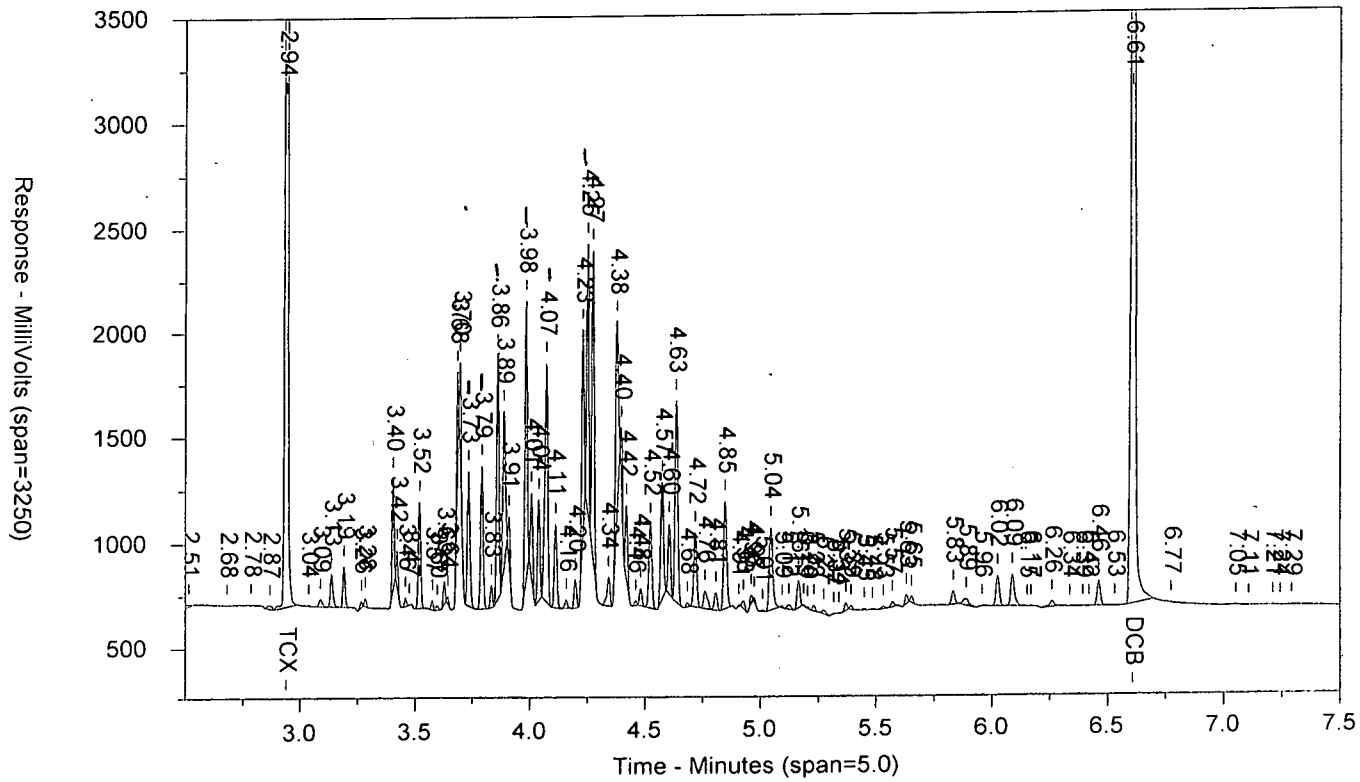

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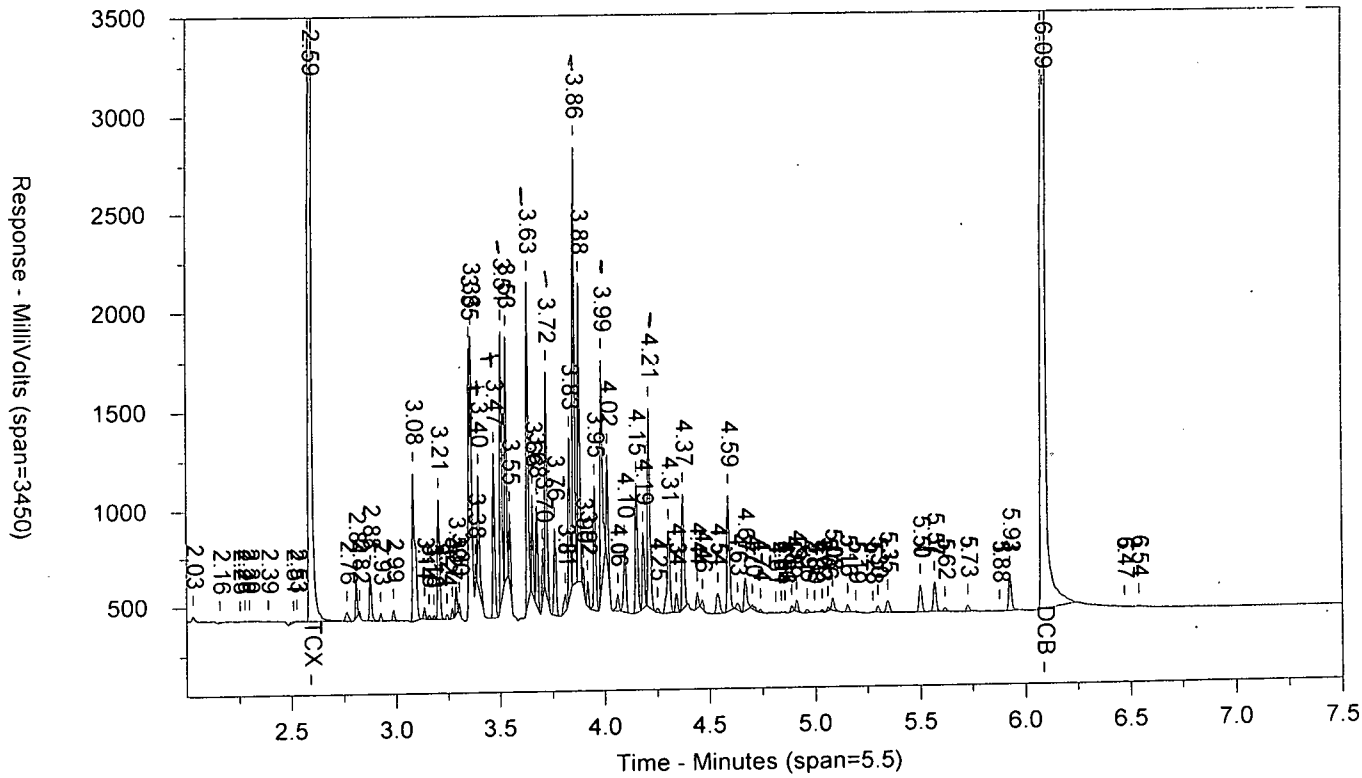

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 9:59:40 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
2.937	11001820	39.051	TCX	2.592	13783430	43.166	TCX
6.606	6896082	35.975	DCB	6.086	12842990	40.903	DCB

Files:
Area File: 07pcbs17282001.0016.RAW
Area File: 07pcbs17282001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 10:08:22 PM
File Reported On: 10/9/2017 at 10:08:31 PM

AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082

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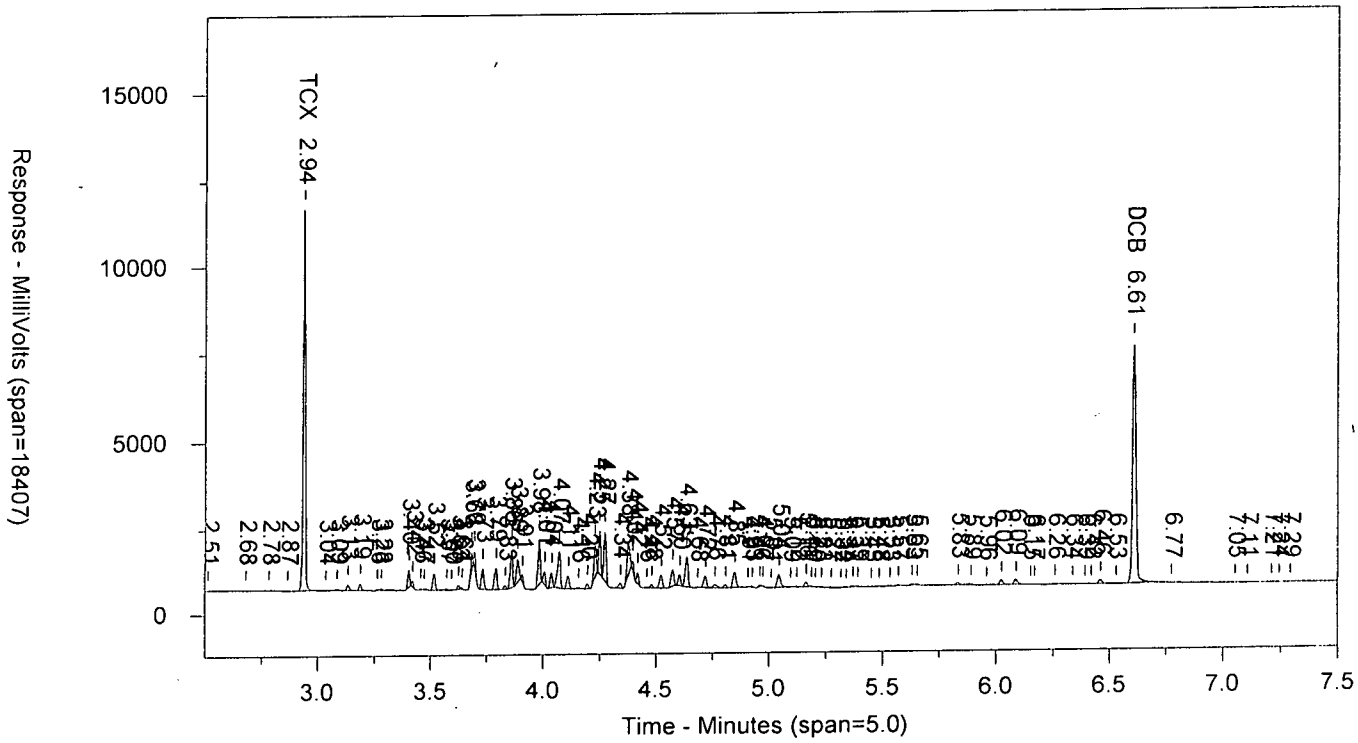

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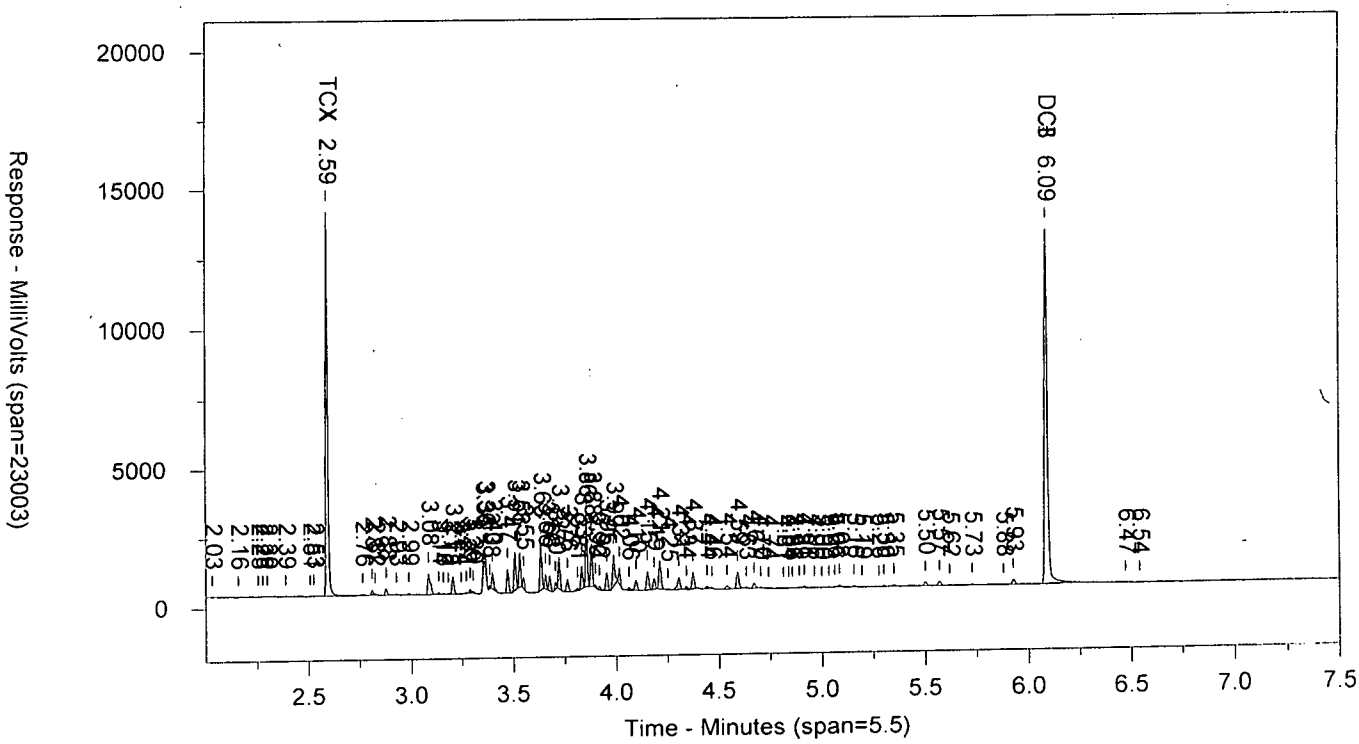

AR4841724C AAAR484AA ICAL 1728199999 10736 SW-846 8082

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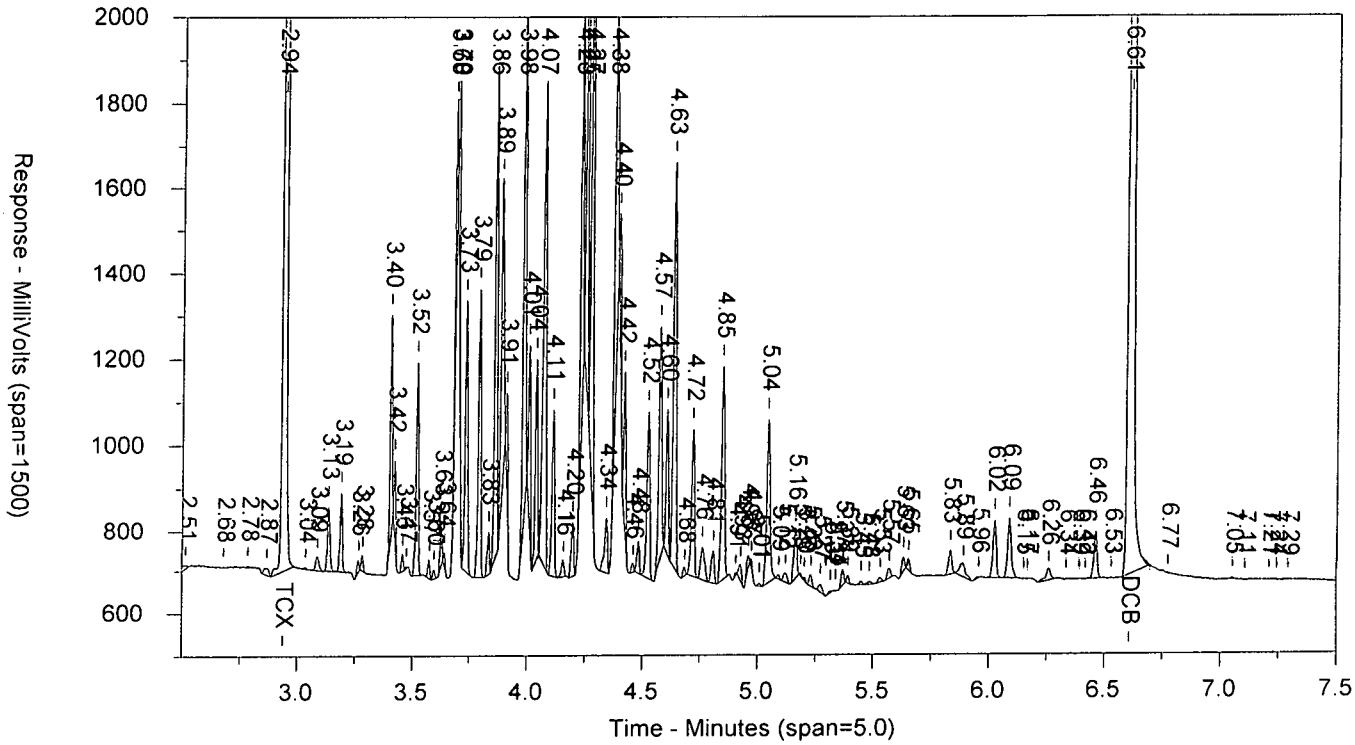

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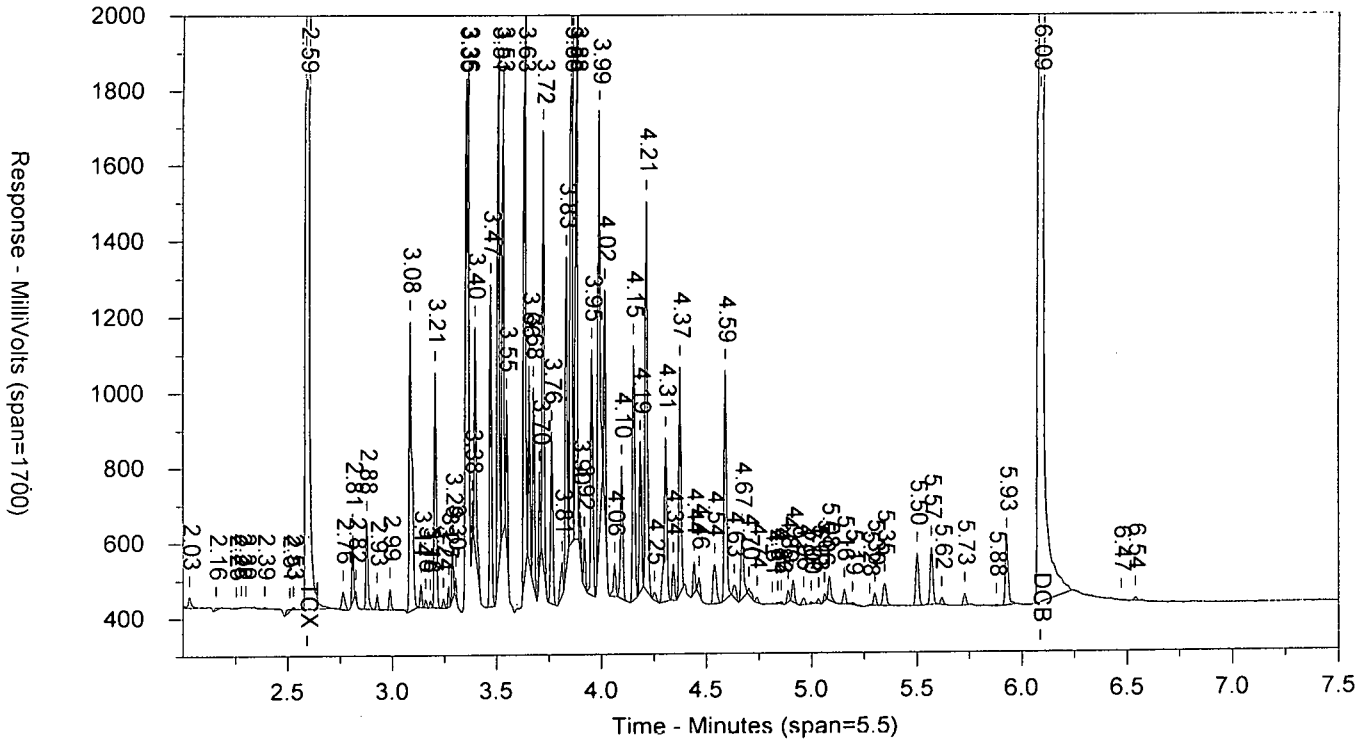

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:11:07 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: 07pcbs17282001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.608		10839	46342
2.005		11038	16836
2.058		23288	54059
2.098		7441	13853
2.175		6048	9769
2.235		75630	62505
2.343		31899	34964
2.435		10447	40083
2.513		17465	41013
2.575		8019	6794
2.785		5302	4249
2.862		3441	3514
2.9		5517	4574
2.937	TCX	16648270	10786180
3.036		6345	3772
3.087		79028	79557
3.135		234063	197020
3.189		425578	298204
3.265		37905	22225
3.282		90808	55912
3.404		1133147	689245
3.42		373944	193236
3.458		100705	58189
3.474		10117	4058
3.483		19552	8882
3.518		1148519	836764
3.553		4619	2191
3.574		63241	38079
3.595		49550	32616
3.628		242903	144192
3.642		65231	32990
3.685		1095743	581329
3.696		1069074	496308
3.733		1442347	1104085
3.791		1592603	1194369
3.833		249655	169713
3.861		2653294	1874555
3.887		1780303	1310518
3.908		442716	243915
3.983		3100309	2146635
4.007		878533	584732
4.038		1097969	769735
4.072		2723501	2379368
4.112		903372	711284
4.158		105951	91298
4.197		306259	237450
4.23		2395852	1599500
4.25		2996994	1884480
4.274		3406189	2536389
4.343		320179	289060
4.377		2320677	1817355
4.397		720493	368323
4.42		810581	536176

RT A	Compound A	Height A	Area A
4.46		49608	31932
4.482		181947	136586
4.523		907042	794312
4.574		1215923	1080335
4.605		755588	570259
4.636		2213968	1887915
4.684		43945	30474
4.718		756512	696203
4.761		193111	225341
4.807		190556	172701
4.847		1167669	1153861
4.927		112289	148981
4.959		90066	71648
5.009		15732	12590
5.045		936043	962661
5.093		27494	20844
5.12		36339	49538
5.164		304627	269737
5.186		14282	6512
5.203		18319	9926
5.23		63531	52986
5.272		36049	35937
5.313		3062	2562
5.37		89430	73568
5.392		43960	30383
5.448		23094	19442
5.487		15041	19415
5.53		17455	20114
5.569		60350	58703
5.63		113516	99468
5.652		34715	24891
5.734		3580	3995
5.806		1533	298
5.834		131882	135187
5.889		68006	112748
5.962		2844	6849
6.024		203740	202612
6.088		211283	241925
6.259		58090	66049
6.389		2710	1144
6.429		2244	1158
6.46		170447	173616
6.607	DCB	10569530	10968400
6.872		2385	714
6.906		1885	583
6.997		1562	546
7.053		7449	9876
7.242		1501	907
7.295		1063	611
7.356		1458	389
7.429		1227	1032
7.49		1879	894
7.519		1990	1288
7.805		1443	683
7.846		1355	796
7.904		1832	664
7.955		1042	468
8.104		1245	727
8.148		1115	540
8.234		1316	1118
8.255		1708	642
8.315		1112	513
8.336		2286	997
8.431		1707	883
8.445		1785	895
8.493		1366	433

RT A	Compound A	Height A	Area A
8.502		1690	435
8.525		1500	423
8.58		2499	2624

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:11:07 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: 07pcbs17282001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.655		2888	5226
1.723		5838	3237
1.769		9698	18086
1.817		9819	23646
1.904		115245	126873
1.963		9866	22590
2.03		40612	37662
2.123		6867	11203
2.162		8403	14269
2.276		6509	4125
2.388		4411	4683
2.509		5876	11255
2.527		8107	5104
2.592	TCX	20058190	13275110
2.764		108241	103382
2.81		236870	125700
2.824		56743	25118
2.877		512023	355980
2.926		58314	34620
2.988		125895	86549
3.052		4745	5071
3.084		1685294	1569912
3.136		137859	82843
3.158		48964	31027
3.182		47617	25220
3.206		1386440	958021
3.245		58190	39769
3.271		78080	40196
3.29		309922	164242
3.305		109378	48237
3.355		1231527	572458
3.364		1483078	581951
3.384		254102	100646
3.398		1311189	824109
3.472		1942351	1241077
3.508		3005495	1956074
3.531		2887587	1536251
3.549		875204	445867
3.634		3785231	2417382
3.657		1153734	608368
3.677		1216248	726685
3.706		577193	286921
3.723		2746405	1643346
3.764		1029518	731143
3.812		203681	166337
3.834		1881307	1180237
3.857		5269871	3278015
3.881		3702107	2189959
3.899		234553	107965
3.919		285073	161532
3.955		1448657	1037543
3.988		2726489	2055896
4.016		1375478	787169
4.063		193525	140441

4.098		808555	631423
4.154		1589309	1191104
4.186		890834	637384
4.214		2482391	1796494
4.252		49235	45655
4.307		983324	920648
4.342		235960	172088
4.375		1359388	1041976
4.397		28218	14524
4.441		192524	130519
4.465		111433	73499
4.54		244922	265204
4.591		1519785	1207640
4.632		73525	74001
4.671		389605	356408
4.703		44937	49276
4.741		33463	24031
4.798		2591	1154
4.839		9175	5404
4.857		12774	8473
4.89		67340	48321
4.913		132033	104280
4.963		40562	38264
5		14062	11548
5.033		22264	17587
5.063		49222	33818
5.085		144743	127687
5.157		60290	50084
5.275		3994	2977
5.301		75186	64084
5.348		134590	151663
5.501		211082	192047
5.544		1804	1066
5.57		212662	196681
5.619		38883	35706
5.728		70440	64263
5.825		4759	9098
5.879		3065	2935
5.928		235942	218339
6.087	DCB	17449480	17187250
6.307		3691	1854
6.412		2779	4905
6.539		15460	12702
6.709		2478	3202
6.811		4584	9921
8.168		9326	18537

AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082

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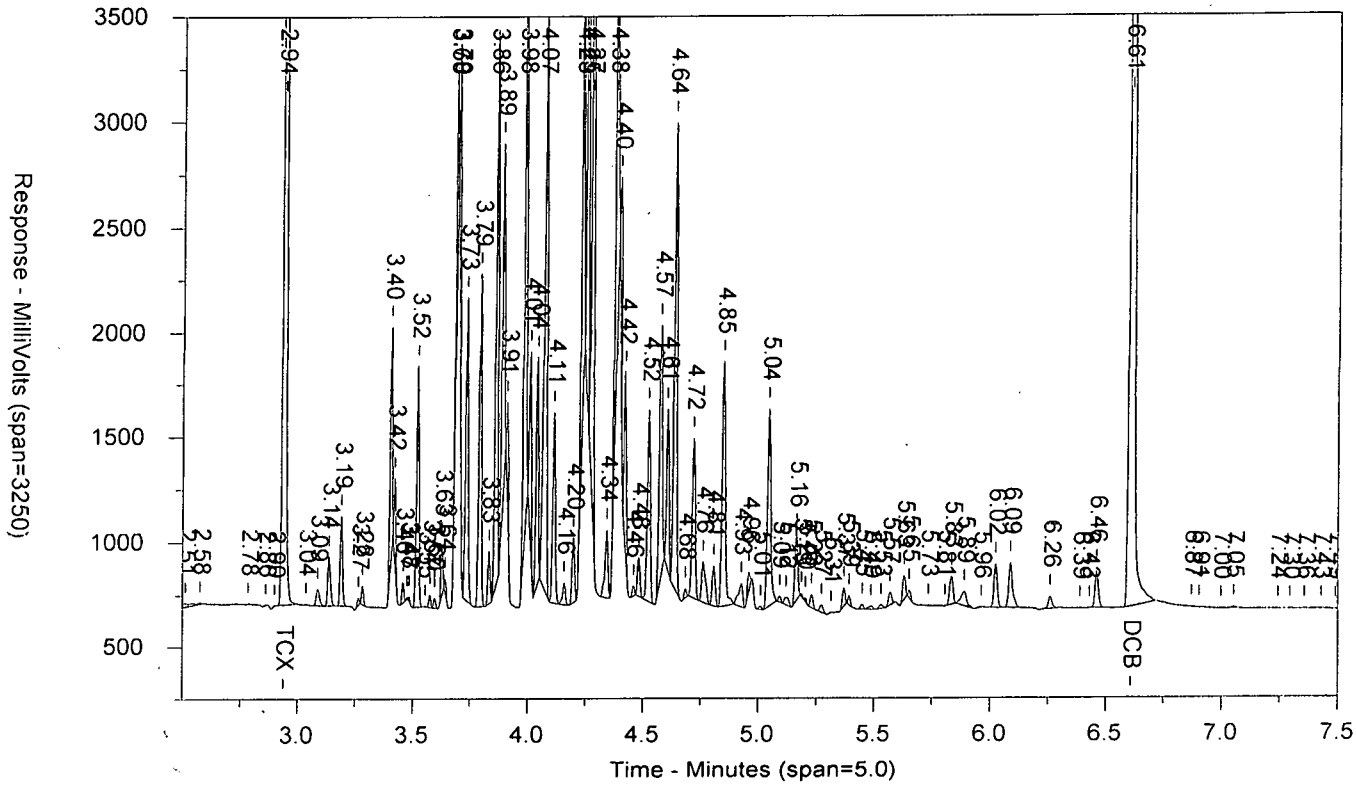

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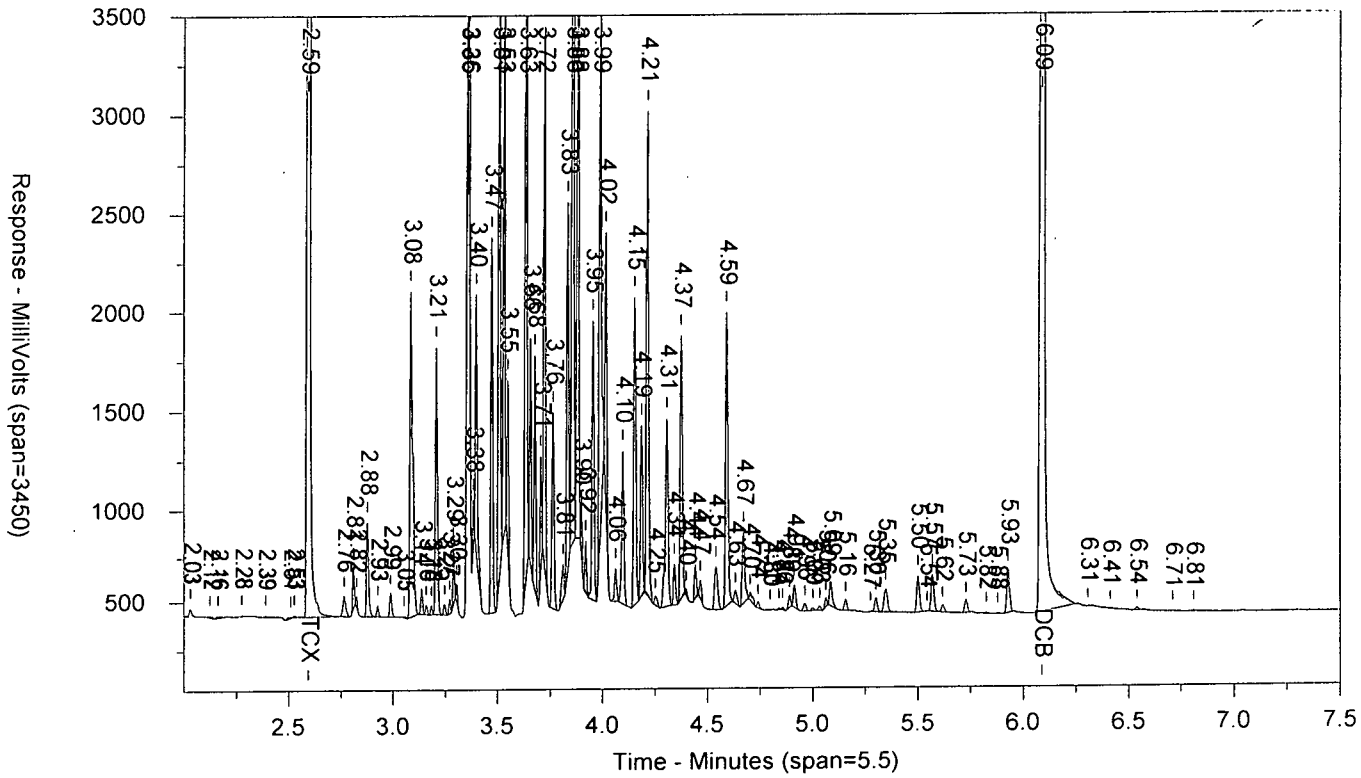

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:11:07 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
2.937	16648270	59.093	TCX	2.592	20058190	62.817	TCX
6.607	10569530	55.138	DCB	6.087	17449480	55.574	DCB

Files:
Area File: 07pcbs17282001.0017.RAW
Area File: 07pcbs17282001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 10:19:49 PM
File Reported On: 10/9/2017 at 10:19:55 PM

AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082

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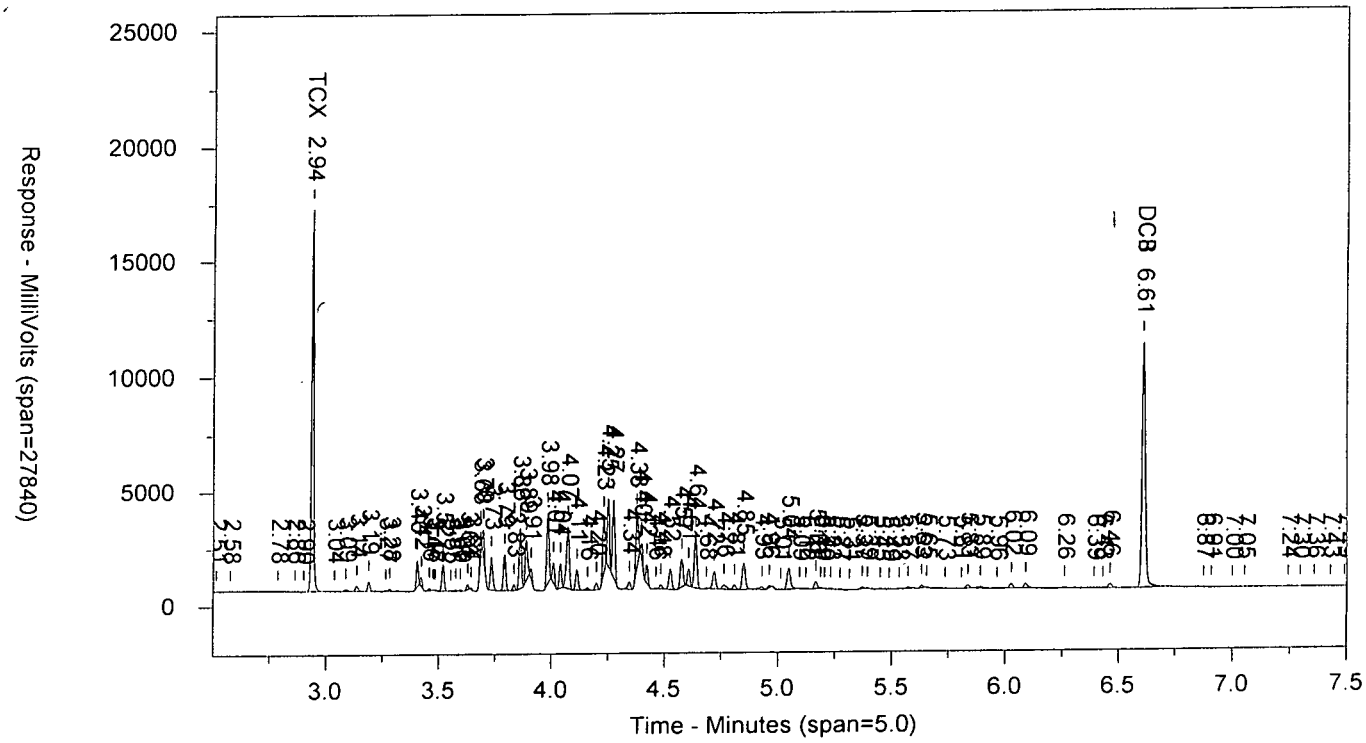

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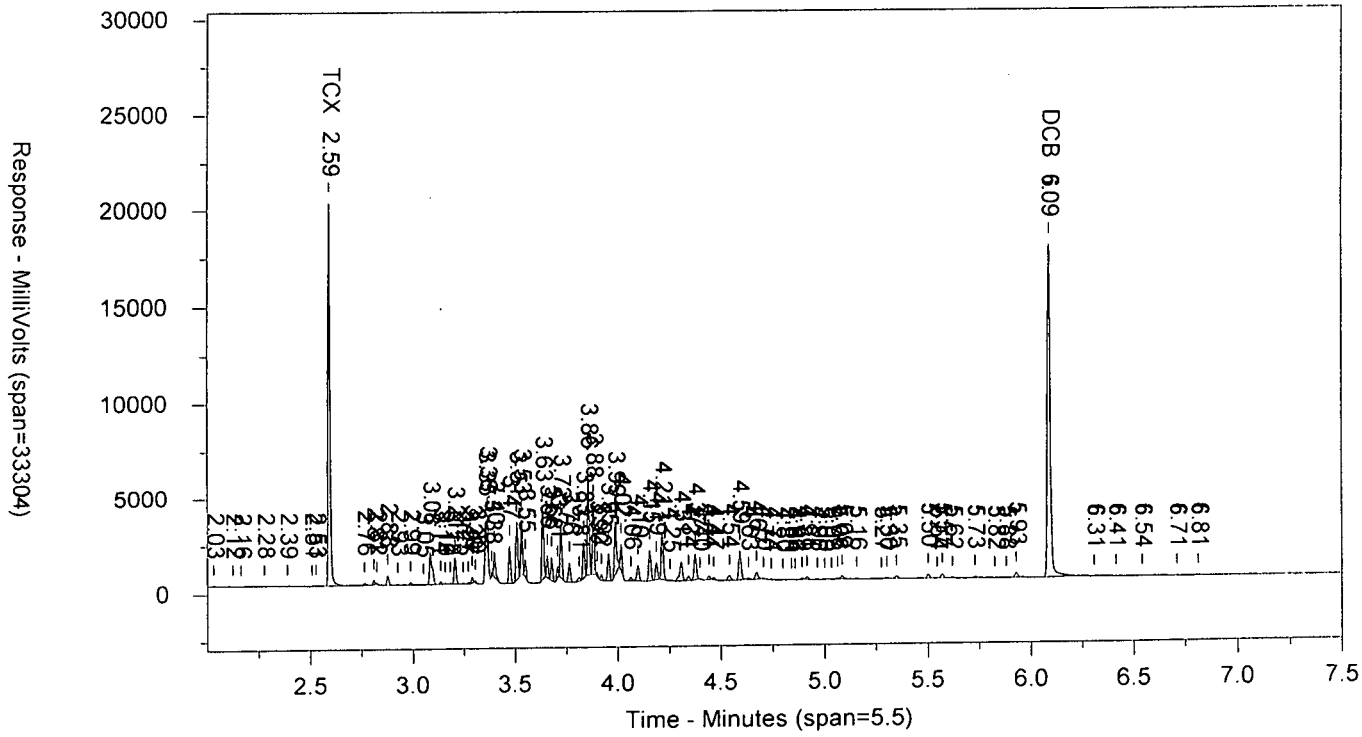

AR4851724C AAAR485AA ICAL 1728199999 10736 SW-846 8082

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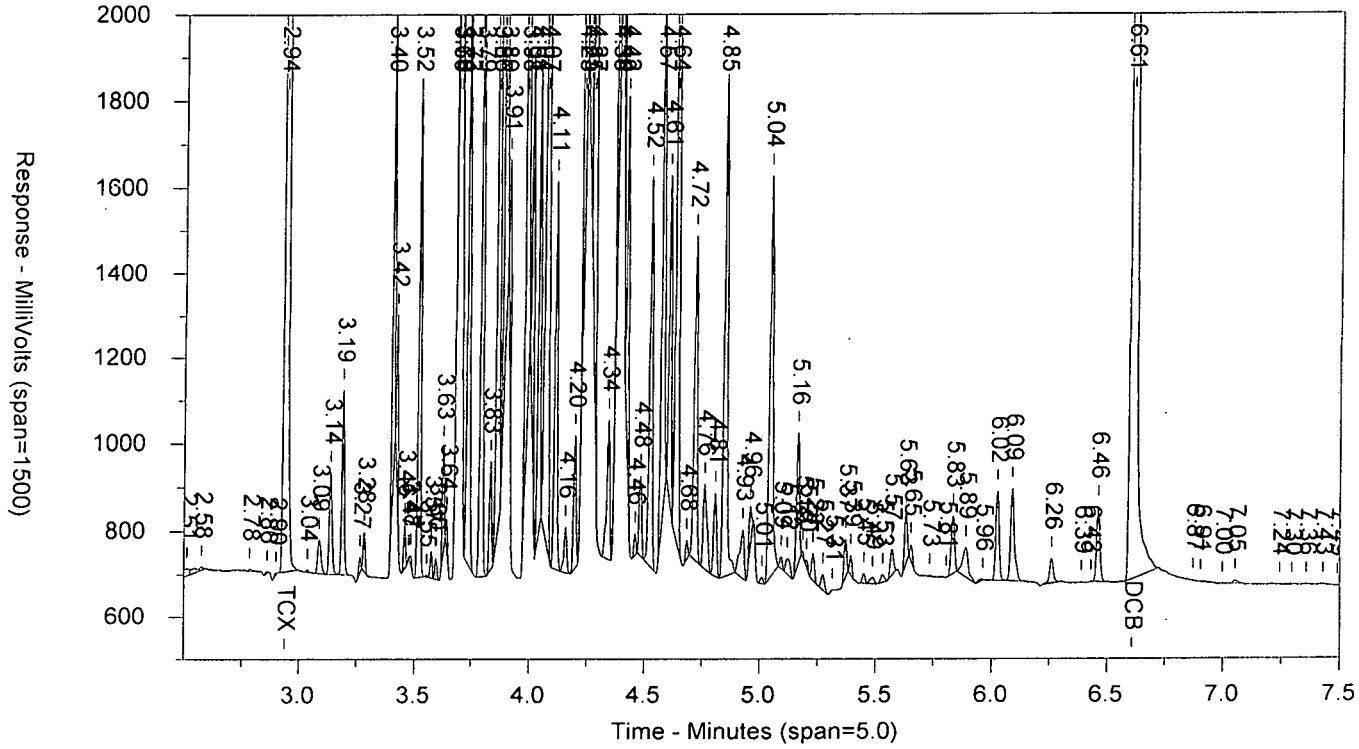

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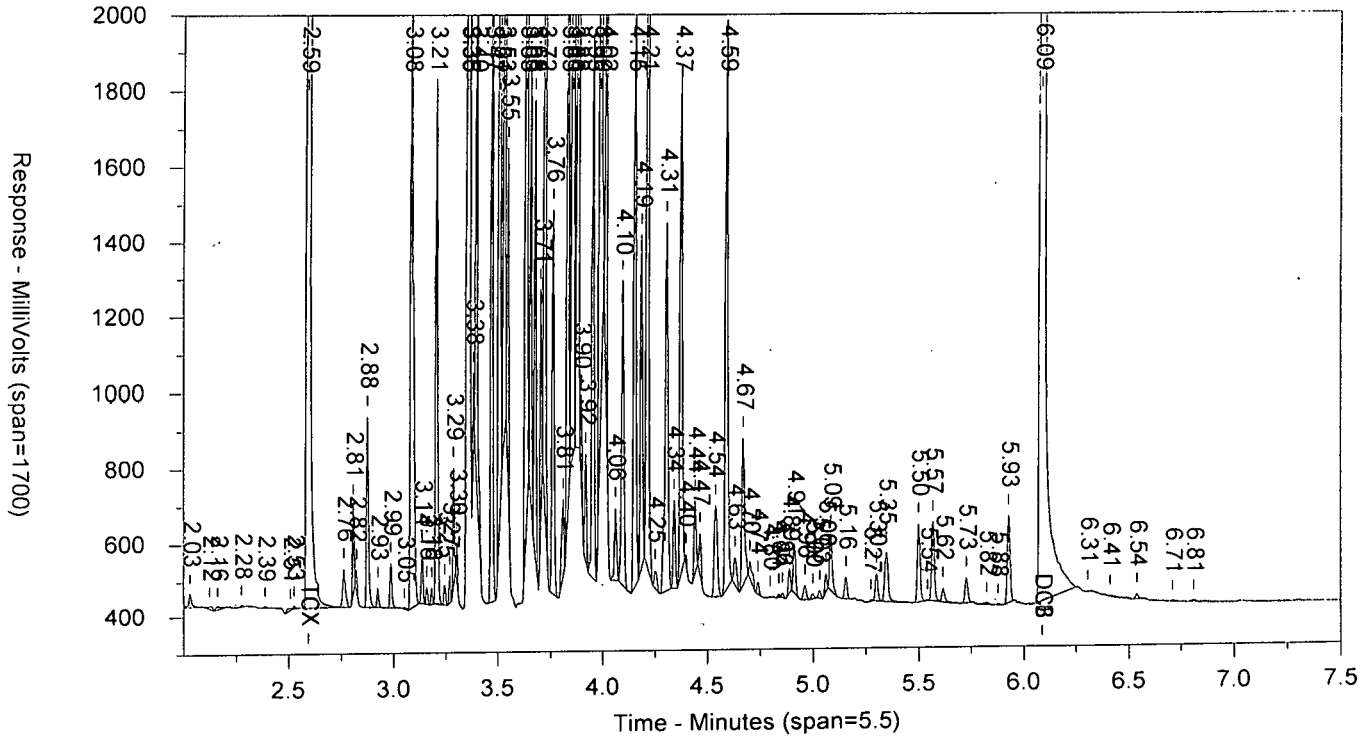

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:22:33 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: 07pcbs17282001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.606		16001	60229
1.743		2159	1000
1.797		2179	2476
1.98		2313	2278
2.055		33175	53153
2.09		9245	11068
2.186		3564	10427
2.235		95660	75937
2.334		17356	8971
2.436		2889	2490
2.499		6982	10334
2.541		3750	4304
2.575		11779	11122
2.755		3163	3505
2.785		11667	9893
2.862		18450	30986
2.909		7372	16783
2.937	TCX	22856040	14824410
3.036		7919	3911
3.087		155420	158141
3.135		327711	295581
3.189		811396	613992
3.265		49420	28807
3.282		171153	108832
3.403		2217008	1337749
3.42		719455	375802
3.457		192906	111842
3.474		18393	7828
3.484		36030	17516
3.518		2193035	1609607
3.554		8774	4532
3.574		80445	47956
3.595		95820	66239
3.627		476681	272938
3.642		159653	72066
3.685		2042774	1116084
3.695		2224209	1030512
3.732		2776106	2146386
3.791		3215731	2339992
3.833		463853	320389
3.86		5316492	3696440
3.886		3547435	2624994
3.908		824288	437496
3.982		6170324	4292994
4.007		1775650	1150529
4.038		2084618	1487598
4.071		5348736	4777668
4.111		1776151	1369902
4.158		198494	175411
4.197		594908	454673
4.23		5011330	3239173
4.249		6169032	3875157
4.272		7240259	5232647

RT A	Compound A	Height A	Area A
4.343		599686	555923
4.377		4819892	3876981
4.397		1437407	797485
4.419		1474960	974641
4.46		96934	61495
4.482		355338	262799
4.523		1752961	1535968
4.574		2607007	2120327
4.605		1485799	1128245
4.635		4552723	3834641
4.683		86084	60172
4.717		1516304	1381466
4.761		367002	437125
4.807		375030	340553
4.847		2360956	2194562
4.877		14198	9752
4.926		218174	292229
4.959		166889	123979
4.971		61940	41408
5.009		32171	25682
5.043		1971656	1975336
5.092		55606	39545
5.118		61736	84036
5.163		577389	522133
5.184		25919	13684
5.203		30052	17694
5.229		122833	104642
5.272		72228	72389
5.313		9094	9197
5.34		2461	1181
5.369		184949	154225
5.392		88186	61550
5.448		49641	42789
5.486		26899	33064
5.53		25973	25291
5.568		128955	120823
5.594		15763	10015
5.629		235911	210092
5.652		38009	24083
5.833		270977	257382
5.889		125125	200422
5.95		4109	3954
6.024		269154	263686
6.088		269949	325299
6.26		115663	132880
6.304		6027	4366
6.391		4218	3930
6.433		2158	1948
6.459		234896	246989
6.552		1448	635
6.606	DCB	14838510	14942080
6.81		3579	2320
6.914		1900	1407
7.053		9526	10553
7.115		2085	859
7.219		1826	510
7.423		1734	405
7.597		1593	536
7.745		1905	478
7.966		2327	1086
7.982		1109	262
8.001		1249	451
8.13		1513	710
8.169		874	321
8.268		1499	653
8.325		1881	399

RT A	Compound A	Height A	Area A
8.408		1685	412
8.564		1506	457
8.577		1991	919
8.639		1276	338

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:22:33 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: 07pcbs17282001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.531		1478	1153
1.648		2375	1764
1.723		6430	3822
1.772		12945	24414
1.811		6431	13861
1.904		151553	143729
1.966		5630	9740
2.031		51172	42748
2.125		7088	10118
2.161		8927	10330
2.206		2322	3583
2.277		16447	21666
2.387		6882	9086
2.505		7369	12124
2.526		19348	13319
2.567		2539	1143
2.592	TCX	27381130	17856650
2.635		36298	17569
2.764		202798	191183
2.809		306311	161237
2.825		120146	58957
2.877		956928	683395
2.926		74535	45797
2.969		2463	1317
2.988		235509	186539
3.084		3245123	3000675
3.135		269653	162049
3.158		97034	62271
3.182		93362	49727
3.205		2699152	1853868
3.244		117739	81357
3.27		101872	52389
3.289		599154	323596
3.304		202502	90832
3.355		2347584	1217907
3.364		3057650	1169321
3.383		492933	189427
3.397		2611678	1640679
3.472		3931201	2451124
3.507		6317983	3824809
3.53		5598866	3055607
3.548		1699353	850479
3.6		8144	6880
3.634		7487774	4785166
3.656		2250205	1185117
3.677		2431272	1416646
3.705		1115957	552973
3.722		5525615	3304064
3.763		2010951	1425656
3.811		388362	324106
3.833		3747142	2287564
3.856		10673010	6634332
3.88		7587380	4503881
3.899		470124	204631

3.918		537458	300699
3.937		22710	8722
3.954		2910877	1963787
3.987		5531003	4163977
4.015		2999904	1691243
4.046		10793	3958
4.062		370023	254137
4.097		1516812	1200334
4.153		3214662	2403887
4.186		1869697	1276813
4.213		5147745	3661426
4.251		87126	85943
4.306		2000158	1833159
4.341		464729	341259
4.374		2740171	2069017
4.397		57539	29459
4.441		361837	250501
4.465		226079	148893
4.539		480905	509533
4.59		3188998	2533448
4.631		147617	134946
4.67		769901	691905
4.702		79955	90965
4.74		62944	45470
4.796		3721	3199
4.813		7394	4920
4.838		20542	12973
4.856		29621	19240
4.89		131917	94859
4.913		268981	209995
4.963		75034	73489
4.999		28014	21599
5.031		36072	29156
5.061		105999	72680
5.084		295379	258412
5.156		81827	81636
5.277		7351	4961
5.3		146216	124595
5.347		259968	293468
5.499		277118	251690
5.569		277239	259038
5.619		66656	61123
5.727		131108	118462
5.758		6126	4209
5.88		4188	4564
5.927		338402	304981
6.086	DCB	23425500	23266030
6.491		3743	2666
6.539		18807	21529
6.712		3293	3439
6.816		3003	4162
8.171		8788	16307
8.55		1183	2723

AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082

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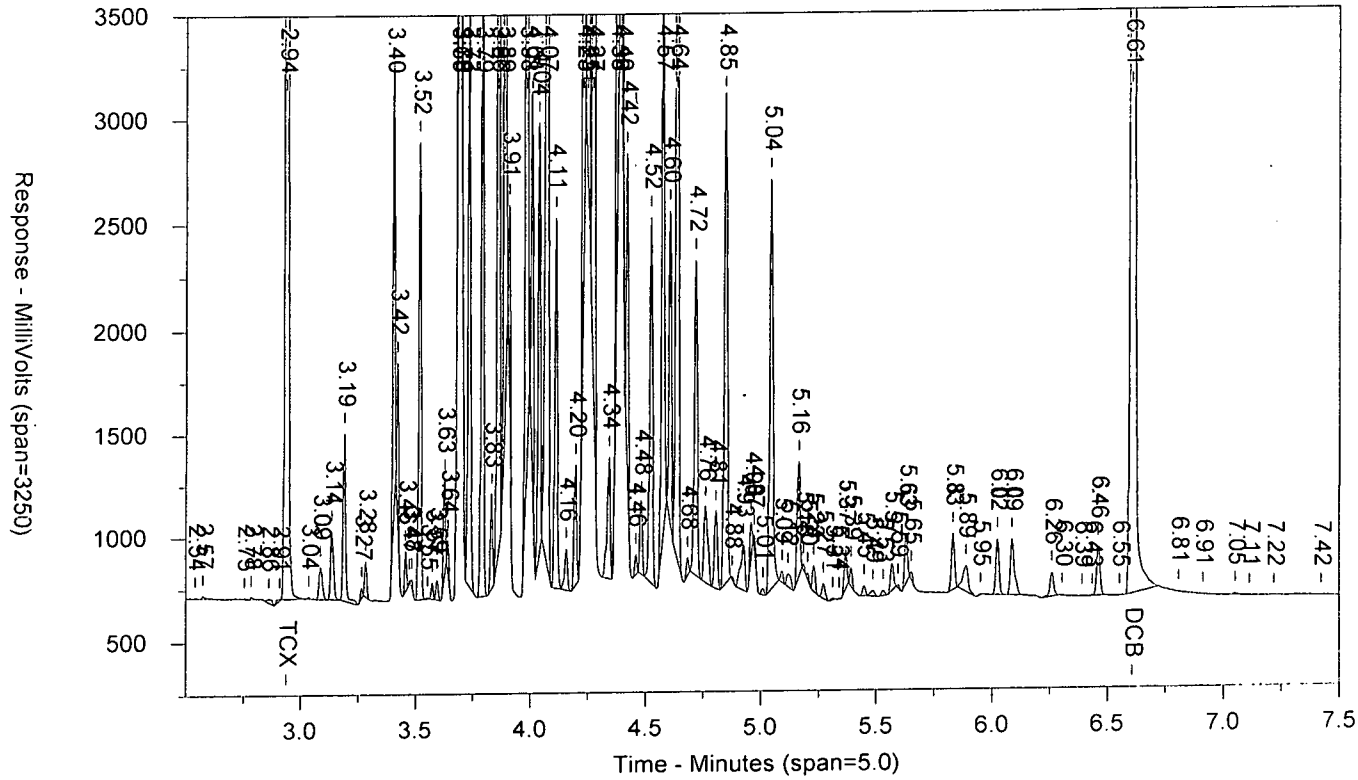

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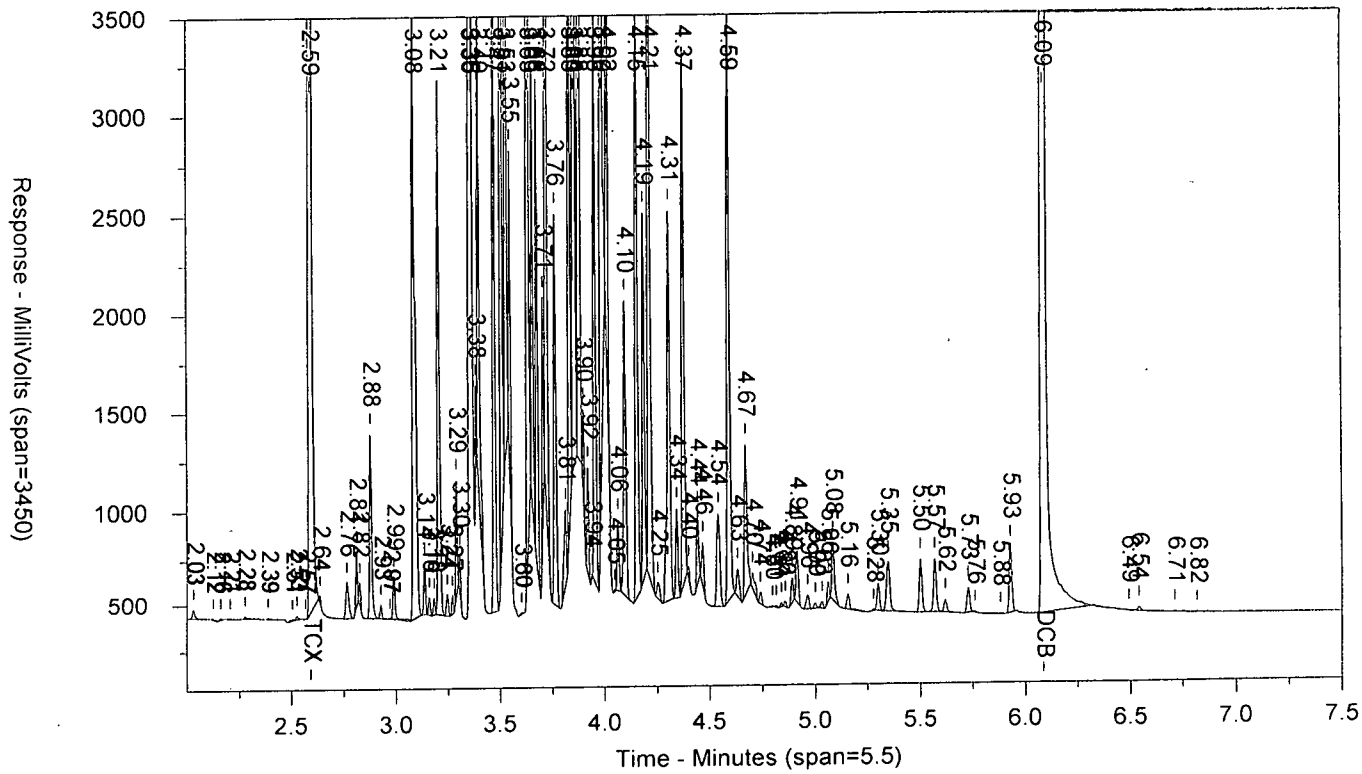

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:22:33 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
2.937	22856040	81.128	TCX	2.592	27381130	85.751	TCX
6.606	14838510	77.408	DCB	6.086	23425500	74.606	DCB

Files:
Area File: 07pcbs17282001.0018.RAW
Area File: 07pcbs17282001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 10:31:15 PM
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AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082

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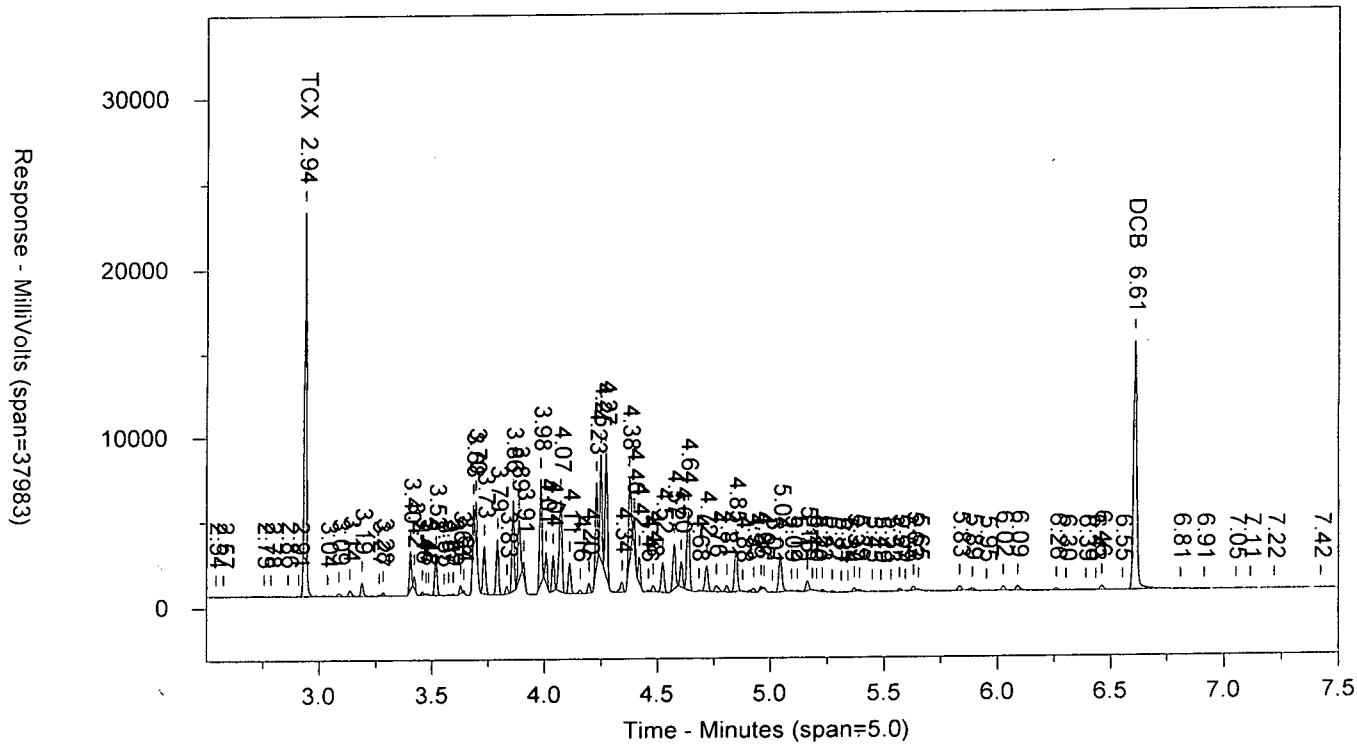

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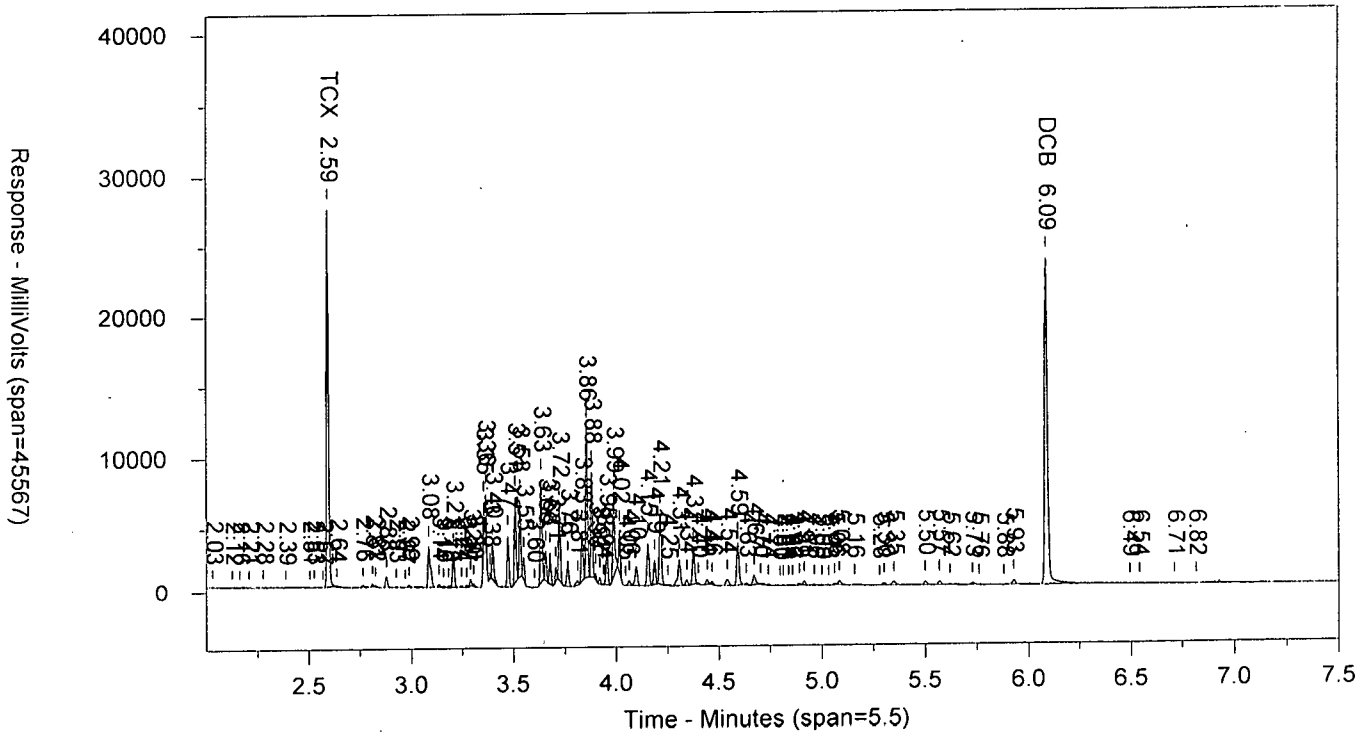

AR4861724B AAAR486AA ICAL 1728199999 10736 SW-846 8082

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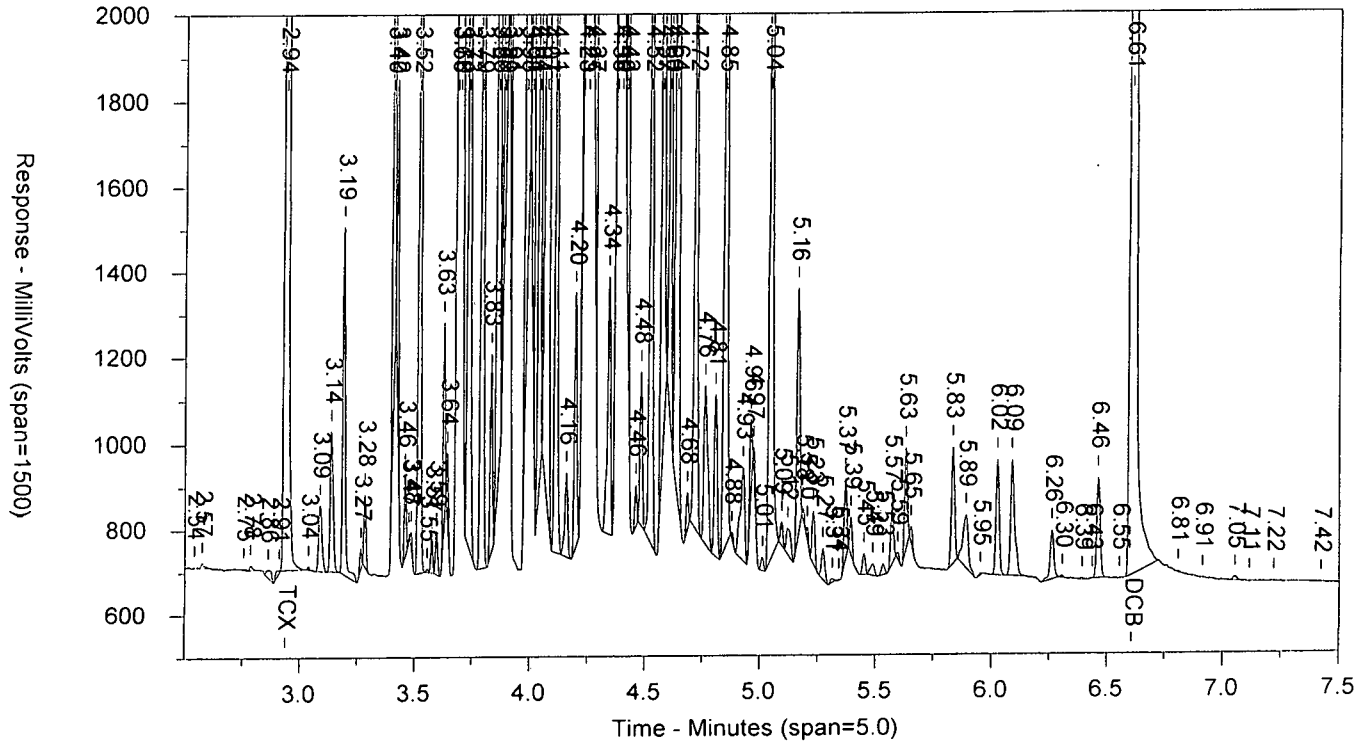

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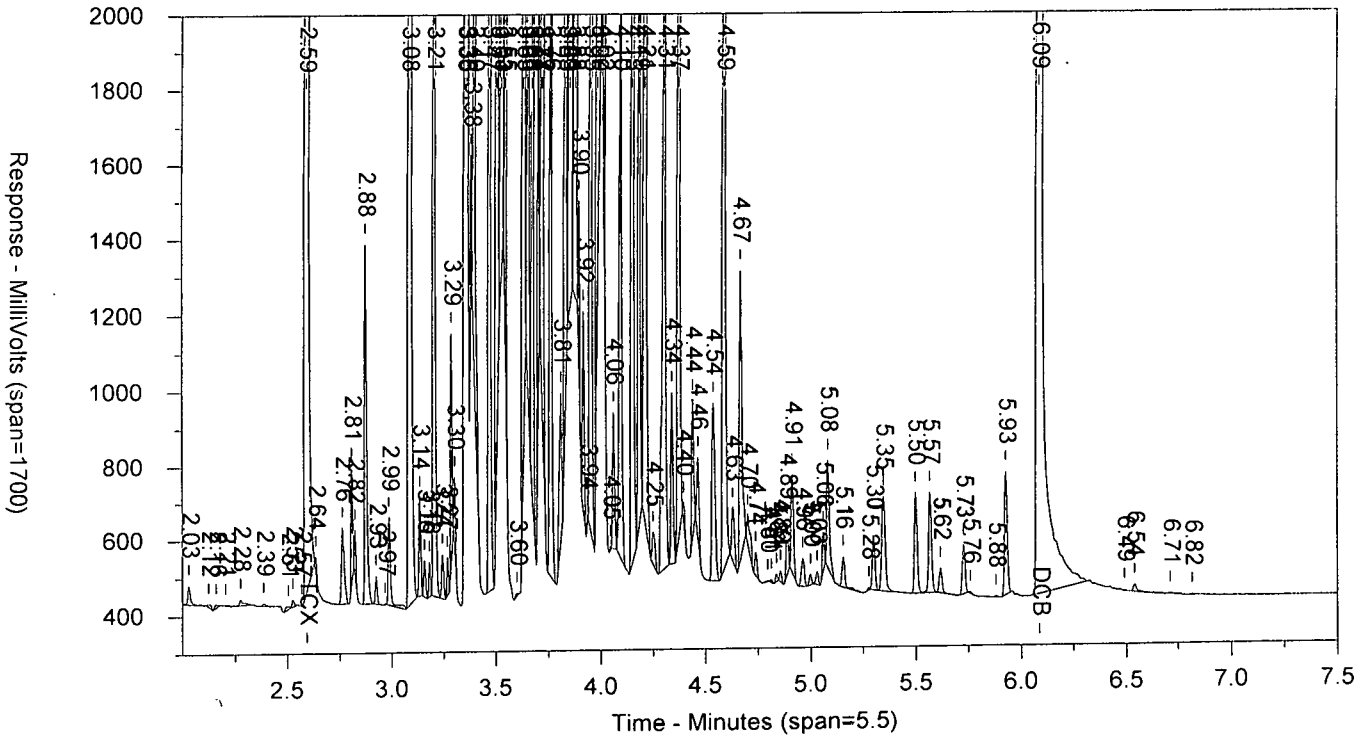

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:34:06 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: 07pcbs17282001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.612		5654	33386
1.706		2058	705
2.06		18009	46173
2.105		5648	13997
2.183		9445	24288
2.334		32317	23395
2.504		12377	20609
2.546		4084	3319
2.786		9369	10592
2.824		2273	755
2.871		12751	17314
2.91		4802	9268
2.938	TCX	592945	416178
3.135		8530	5593
3.19		3251	1778
3.265		5667	4913
3.386		1926	658
3.405		6712	4302
3.52		6355	4100
3.602		5388	4851
3.627		2373	1622
3.685		7856	6051
3.734		13545	11154
3.776		1519	389
3.793		9384	5560
3.861		155254	113487
3.888		49220	40124
3.926		5399	5517
3.984		102356	74950
4.008		8392	4531
4.039		11710	7801
4.073		47026	39727
4.113		9686	7134
4.177		9424	6830
4.196		7234	5001
4.232		224376	157942
4.251		94036	54378
4.276		86331	72198
4.344		72522	57551
4.387		341707	383271
4.421		147728	113872
4.459		4963	2790
4.483		22097	17195
4.524		136060	117840
4.574		236350	196969
4.606		65599	44304
4.636		448258	394996
4.685		24890	17631
4.699		7152	2897
4.72		67174	47985
4.761		146194	144763
4.807		27359	23215
4.848		244902	235266

RT A	Compound A	Height A	Area A
4.907		36297	46721
4.96		148422	229118
5.01		3559	1809
5.047		146469	155229
5.093		19464	15025
5.12		6178	5219
5.165		239326	214207
5.185		11820	7012
5.23		10154	7588
5.273		14181	14880
5.37		67251	57435
5.392		17175	11280
5.448		9116	7217
5.488		9595	8708
5.53		1578	922
5.571		48016	46226
5.593		4779	4327
5.63		41139	37026
5.731		1500	724
5.766		1838	481
5.834		48696	46674
5.863		4183	2122
5.956		3629	4796
6.024		8769	8083
6.088		7782	7067
6.139		1928	386
6.237		1441	1647
6.258		2765	2728
6.338		2632	2088
6.428		1718	832
6.439		2083	495
6.458		6753	6677
6.494		1802	369
6.506		1226	433
6.533		1762	715
6.606	DCB	444650	488031
6.745		1328	516
6.816		1481	724
7.078		1362	276
7.206		1777	2072
7.228		1690	392
7.356		1889	1298
7.397		1988	1212
7.44		1207	335
7.723		1402	751
7.859		1322	745
7.976		1242	743
8.002		1606	552
8.054		1730	791
8.108		1269	865
8.126		1380	810
8.184		1900	833
8.219		1852	1417
8.251		1142	1313
8.261		1549	672
8.273		1652	855
8.331		1651	377
8.349		1698	348
8.544		1562	598
8.558		1758	838
8.627		2223	476

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:34:06 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: 07pcbs17282001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.723		9016	5431
1.77		18198	41555
1.836		13888	45221
1.901		50086	59365
1.963		6458	9527
2.186		2994	10497
2.299		2815	2335
2.361		2183	1775
2.387		5085	4598
2.508		5040	9182
2.527		13311	10693
2.592	TCX	755506	507405
2.81		15380	17432
2.877		4740	3685
2.924		2342	1786
3.087		15294	22301
3.206		8775	6426
3.247		4977	3264
3.306		14229	16264
3.355		23938	29072
3.4		12733	14000
3.473		13017	10831
3.509		182670	115720
3.531		61149	34639
3.549		6514	8910
3.635		117563	86762
3.657		9539	5010
3.678		12657	8148
3.707		4773	2260
3.723		46507	27956
3.764		12621	8373
3.804		7001	6250
3.834		34275	18430
3.856		384213	266110
3.881		46526	25817
3.9		39362	21405
3.92		80588	50339
3.954		336935	240076
3.986		128870	76748
4.002		70938	36739
4.063		27410	27758
4.098		115896	86834
4.155		264961	199733
4.187		75376	58105
4.215		452468	354544
4.252		34530	32667
4.306		236292	197473
4.343		32330	24834
4.375		262366	191231
4.399		42658	26714
4.442		193825	147880
4.539		160577	181223
4.592		182172	159892
4.632		57064	49421

4.671		335240	342012
4.717		21228	13535
4.742		11346	7984
4.802		3495	2895
4.859		14302	11100
4.89		19280	12392
4.914		109073	92134
4.963		14427	12699
4.999		12120	10353
5.032		7300	5489
5.063		44714	33157
5.085		43822	39057
5.154		2897	2261
5.195		4715	4451
5.299		2932	2673
5.344		49957	61158
5.501		9312	9078
5.57		9405	13613
5.617		2746	3549
5.726		3276	3251
5.829		1244	1948
5.928		8126	7998
6.088	DCB	764194	743572
6.365		2831	3653
8.168		10165	19253

AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082

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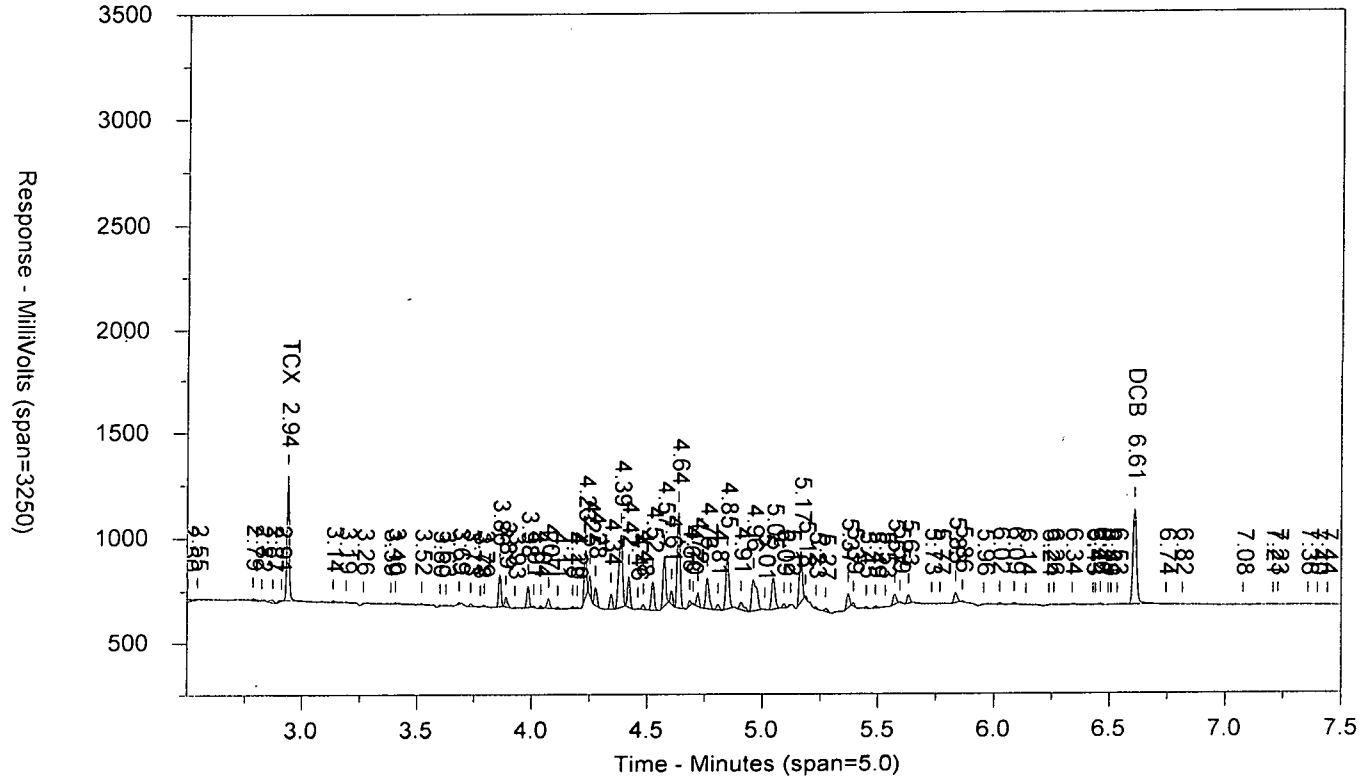

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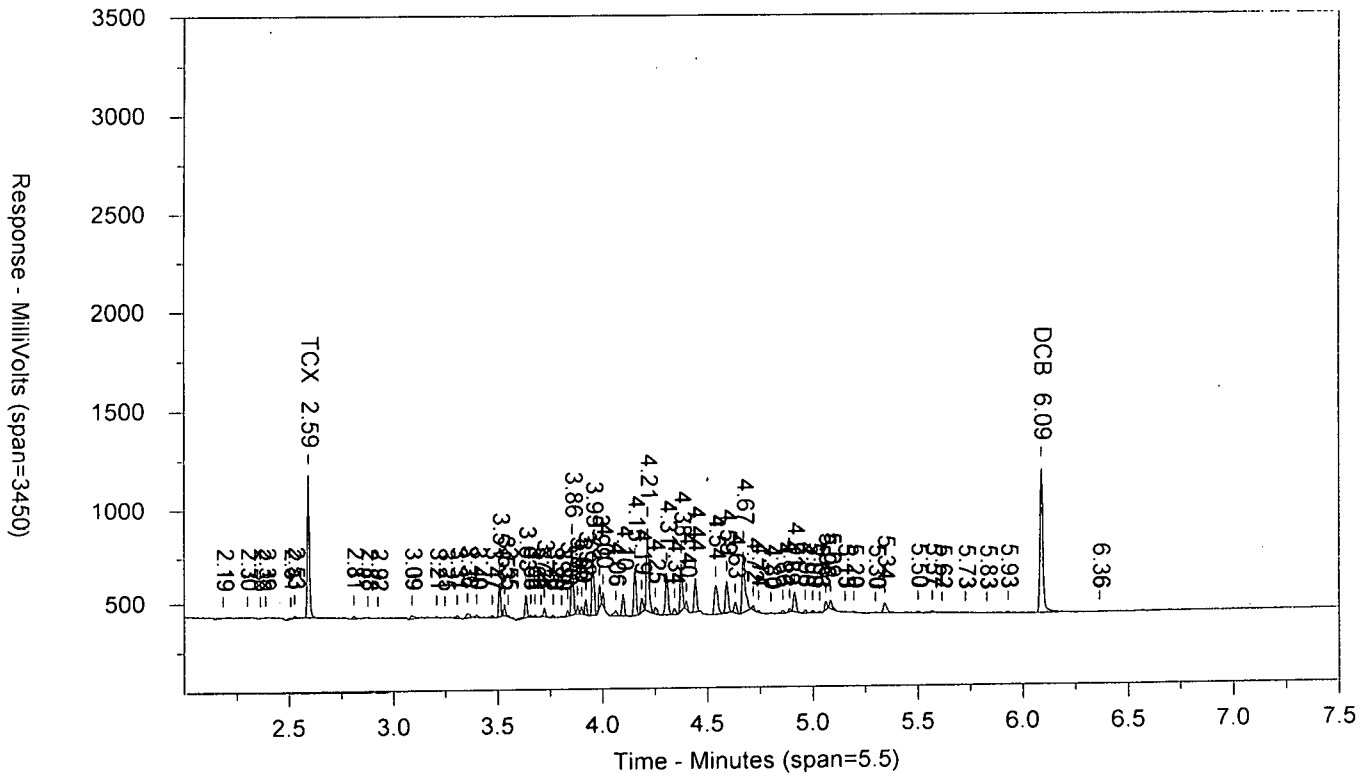

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:34:06 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
2.938	592945	2.105	TCX	2.592	755506	2.366	TCX
6.606	444650	2.32	DCB	6.088	764194	2.434	DCB

Files:
Area File: 07pcbs17282001.0019.RAW
Area File: 07pcbs17282001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 10:42:50 PM
File Reported On: 10/9/2017 at 10:42:59 PM

AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082

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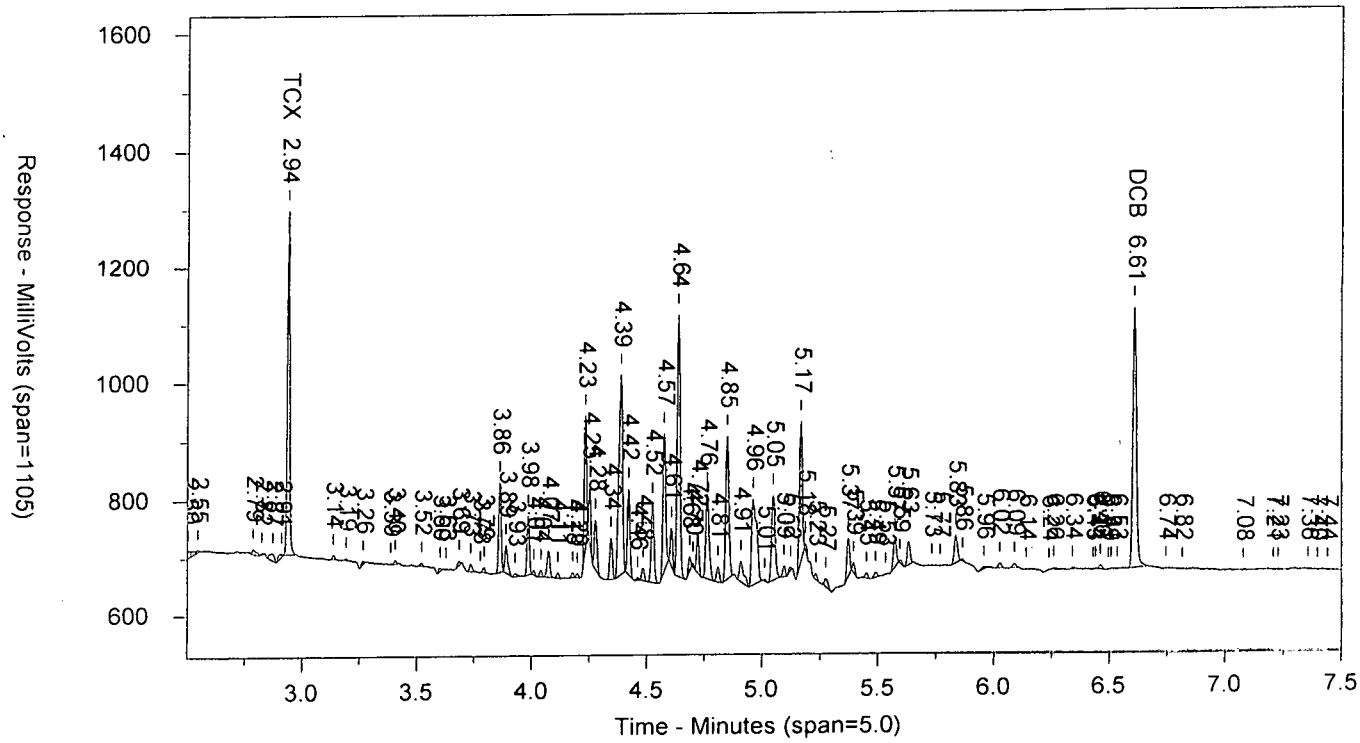

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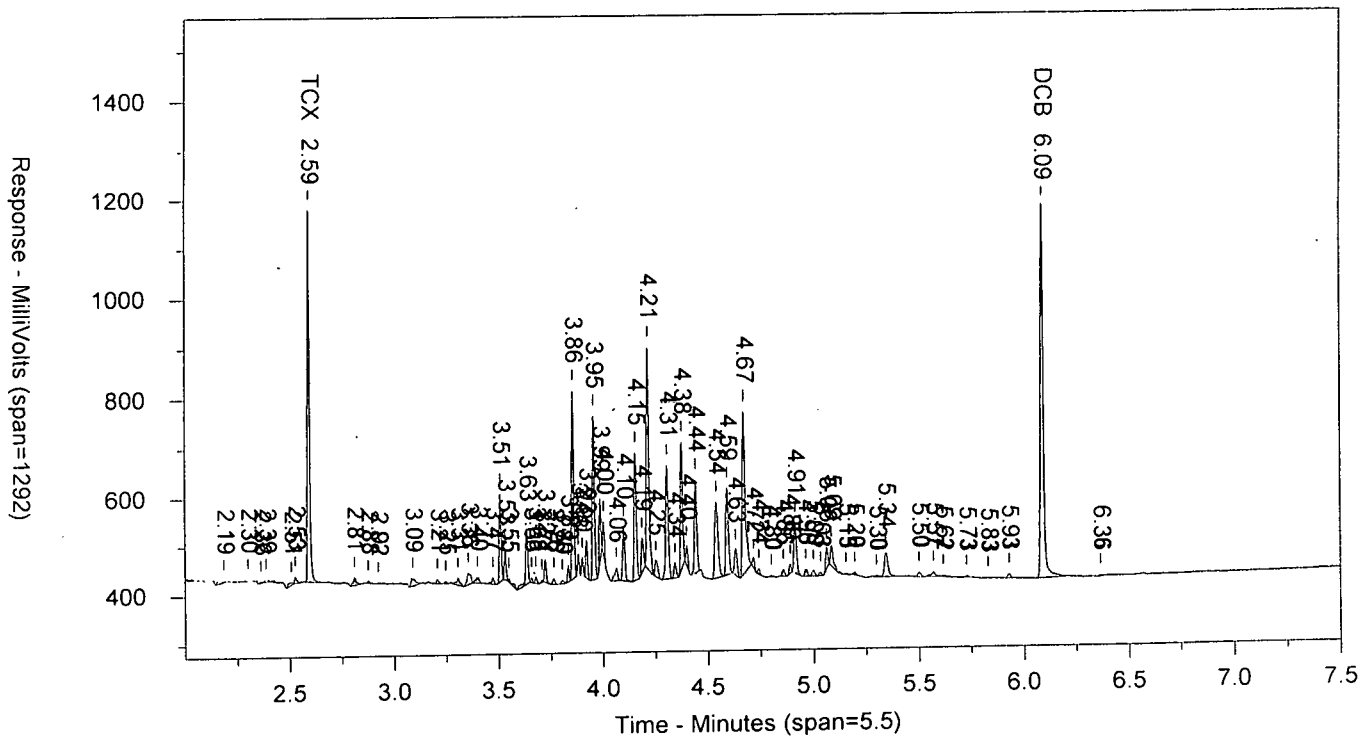

AR5411724C AAAR541AA ICAL 1728199999 10736 SW-846 8082

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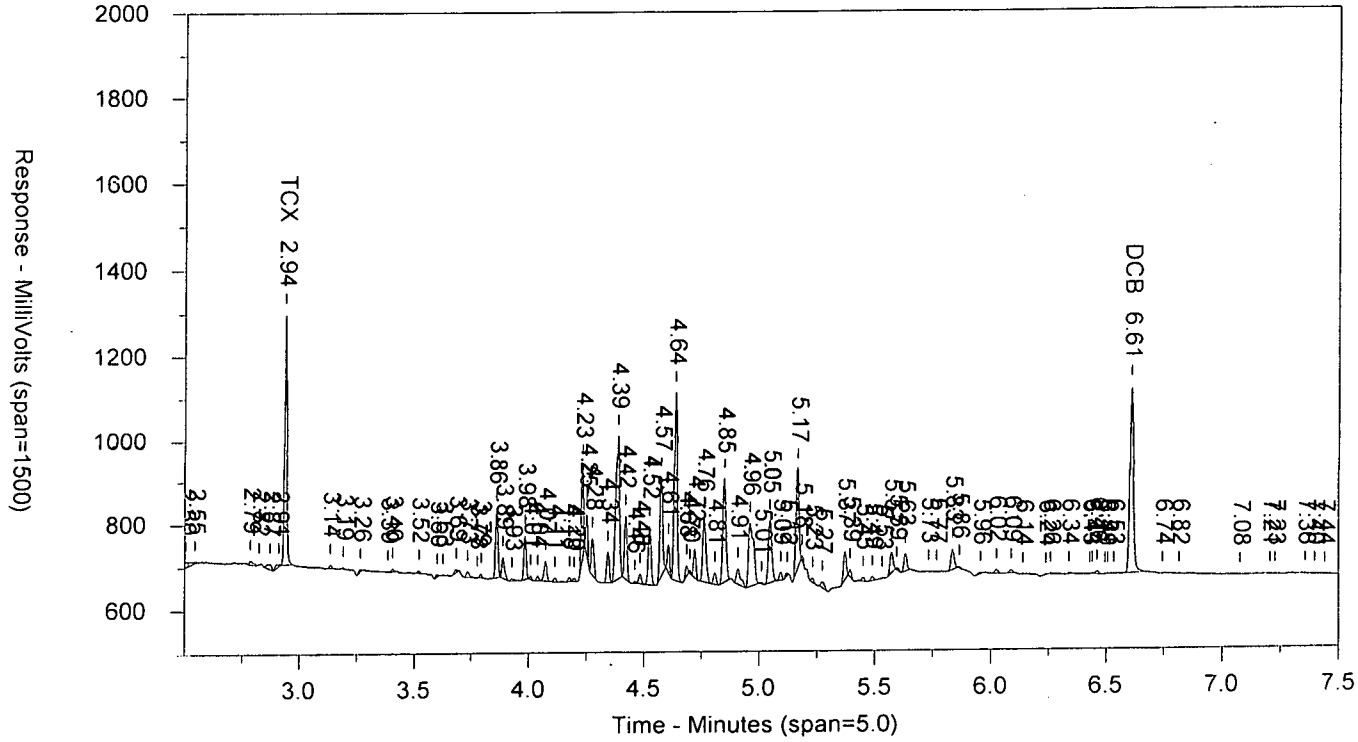

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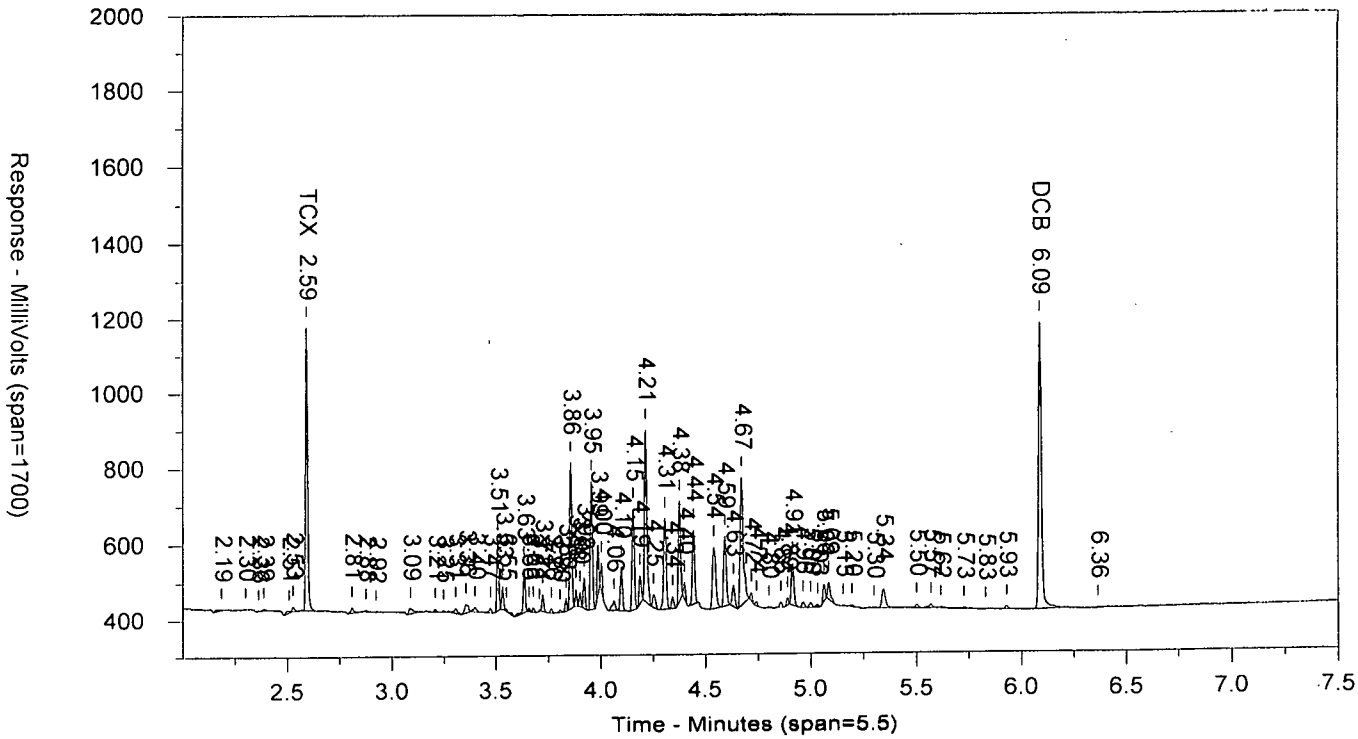

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:45:25 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: 07pcbs17282001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.611		20713	65326
1.67		3364	1935
1.744		2079	1894
1.917		2963	3271
2.052		19663	27741
2.087		8092	6293
2.174		2180	2227
2.234		6221	3821
2.334		14921	11199
2.5		5312	7489
2.543		1982	614
2.681		1788	960
2.864		19695	29366
2.899		5298	4032
2.937	TCX	1091801	767081
3.133		16602	11031
3.188		5263	3171
3.266		5634	6114
3.284		4195	2984
3.403		9604	5901
3.516		8362	6660
3.573		10709	6965
3.596		10571	9851
3.682		11104	7258
3.695		6666	4771
3.732		17502	13463
3.79		12292	9161
3.829		2577	1144
3.859		282263	201745
3.885		79349	64617
3.926		2537	1387
3.982		171308	130251
4.005		10720	5938
4.036		15272	11060
4.07		78093	65215
4.11		15419	10803
4.175		7320	4625
4.194		13233	8610
4.23		405635	286156
4.248		157799	93539
4.274		139461	115500
4.342		135061	110005
4.384		626764	687523
4.418		271208	210396
4.458		10189	6071
4.48		46575	35739
4.523		246462	218399
4.572		436478	360821
4.603		105604	72943
4.634		823532	728594
4.682		49171	32858
4.697		14324	6552
4.717		109487	85143

RT A	Compound A	Height A	Area A
4.758		259891	271291
4.805		52231	45773
4.845		462120	448496
4.877		8108	4751
4.906		52517	43696
4.957		142122	114284
4.971		47221	28016
5.005		5944	4345
5.045		281434	305761
5.091		40232	30399
5.115		13815	9050
5.162		451924	414353
5.185		29986	14784
5.202		20030	10937
5.228		20080	16106
5.27		27418	29984
5.318		2190	2401
5.368		131347	111064
5.39		32662	21613
5.446		18437	15471
5.487		18351	17562
5.526		4770	3519
5.567		93488	92493
5.593		12130	8534
5.628		89874	90208
5.705		1641	786
5.833		90777	87566
5.861		11300	8068
5.958		2701	4612
6.023		15902	16129
6.085		17144	25219
6.16		1556	745
6.257		6116	11059
6.291		1589	590
6.406		1933	1313
6.428		1498	377
6.457		10846	10905
6.493		2047	816
6.605	DCB	804599	853775
6.742		2036	753
7.005		1142	431
7.051		1040	524
7.118		1528	324
7.199		1381	576
7.416		1609	931
7.589		1582	645
7.673		1692	498
7.714		1211	485
7.783		1573	632
7.823		1400	688
7.899		1496	385
7.929		1380	447
8.004		1550	507
8.07		1492	836
8.134		1865	634
8.165		1166	370
8.181		1311	335
8.221		1717	394
8.244		1208	477
8.334		1333	343
8.425		2067	749
8.435		1825	547
8.542		1767	584
8.581		1815	2651
8.663		1616	1031
8.682		1404	436

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:45:25 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: 07pcbs17282001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.725		4261	2129
1.77		7188	11734
1.825		2054	8783
1.902		22766	18940
1.966		3881	7189
2.161		6344	12895
2.32		4847	9804
2.386		3796	3293
2.526		10561	40482
2.592	TCX	1416577	955106
2.756		7479	11444
2.81		24578	19902
2.877		7001	5087
2.926		4365	4277
2.991		5394	3887
3.086		15529	15142
3.161		3930	3278
3.206		10942	7363
3.246		6576	4619
3.27		6419	3462
3.291		1908	1071
3.306		8819	9979
3.354		25686	29960
3.384		5235	2528
3.398		12656	9772
3.472		14373	9829
3.507		355360	215133
3.529		104108	59742
3.632		205956	137831
3.655		13881	7075
3.676		18862	12574
3.705		7621	3708
3.721		75869	45762
3.763		19402	12903
3.802		14836	11581
3.832		61162	33530
3.854		703161	482784
3.879		73275	39905
3.898		73449	40584
3.918		136466	86989
3.953		658223	446367
3.984		241524	146080
4		149066	75803
4.061		52947	44725
4.096		231635	173950
4.153		505801	380930
4.185		147169	110182
4.213		860968	669727
4.25		70298	65002
4.304		444531	375449
4.341		67041	50048
4.373		541304	391812
4.397		87052	56362
4.44		381516	288904

4.463		15429	7988
4.537		320945	347700
4.59		400320	326733
4.631		115323	96473
4.668		677681	671474
4.715		48286	29556
4.738		22970	15894
4.797		7184	9104
4.856		32139	27526
4.888		34161	23183
4.912		206971	175091
4.962		29090	23854
4.998		23577	19990
5.03		13506	10991
5.061		90351	66935
5.083		80953	69678
5.156		4849	3676
5.197		5945	7006
5.228		5034	5396
5.277		1142	917
5.301		4469	3469
5.341		92834	109832
5.439		2938	3448
5.5		15424	15490
5.543		6379	5986
5.569		13987	10315
5.617		4472	4811
5.726		7299	9050
5.82		8485	15717
5.926		16427	14722
6.086	DCB	1260229	1306518
6.334		5544	10907
6.537		1340	1018
6.573		5214	6465
6.802		5667	9123
7.035		4525	6806
7.301		5188	9877
7.595		3681	12185
8.165		8356	14030

AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082

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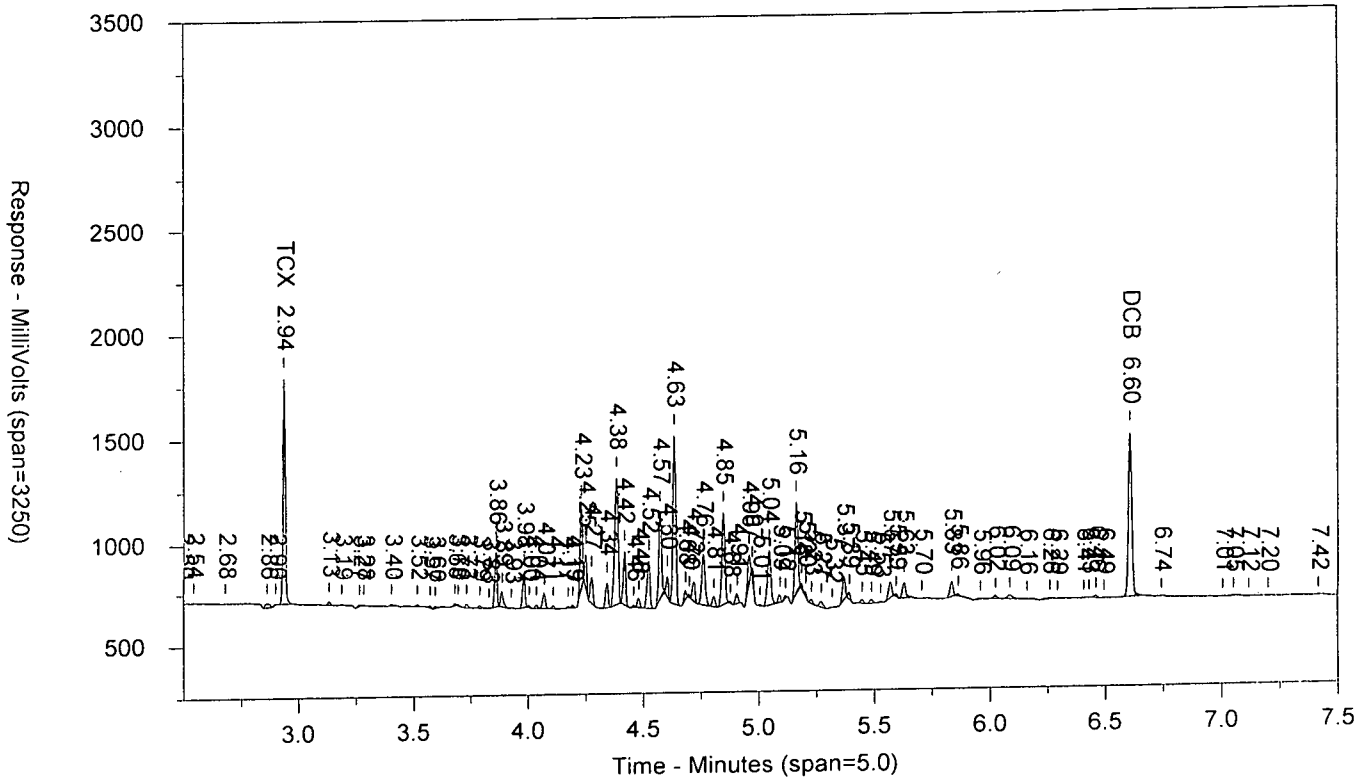

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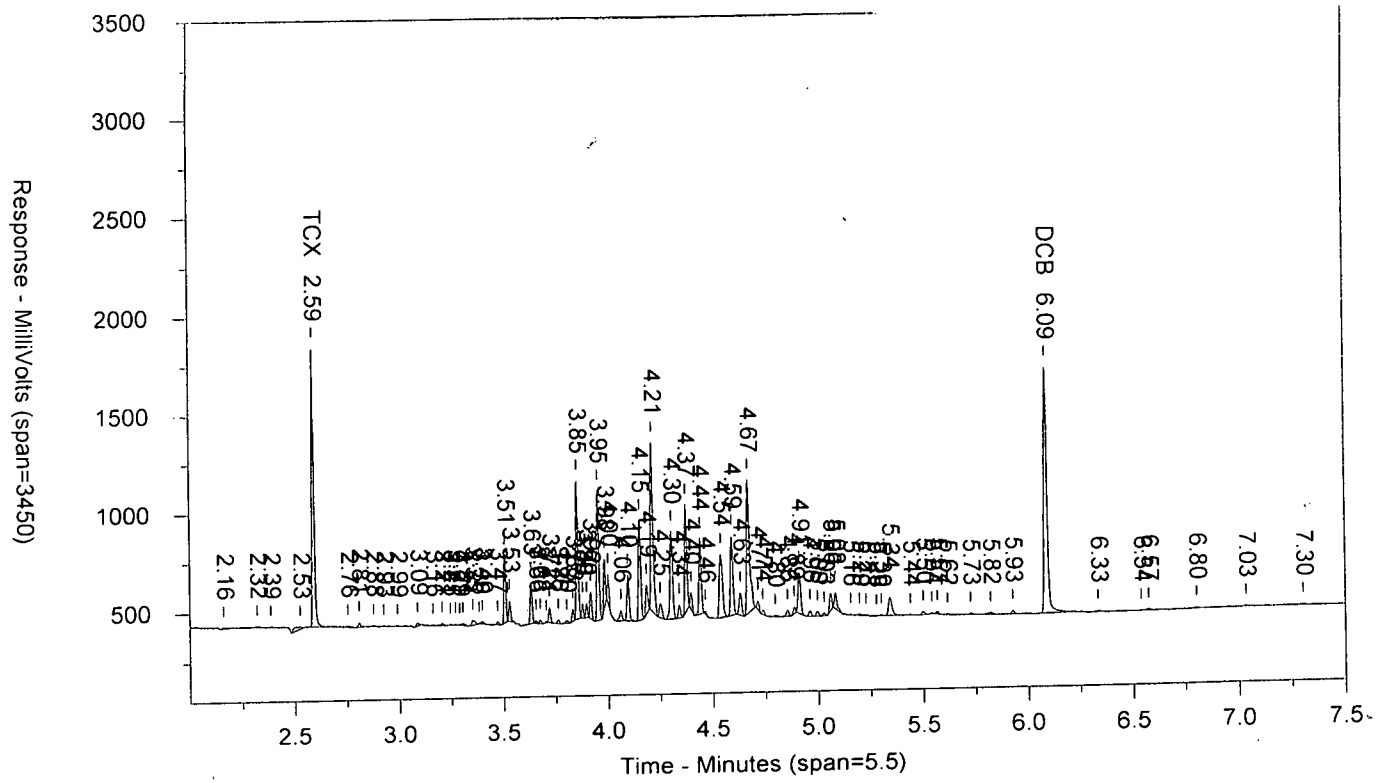

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:45:25 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
2.937	1091801	3.875	TCX	2.592	1416577	4.436	TCX
6.605	804599	4.197	DCB	6.086	1260229	4.014	DCB

Files:
Area File: 07pcbs17282001.0020.RAW
Area File: 07pcbs17282001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 10:54:07 PM
File Reported On: 10/9/2017 at 10:54:21 PM

AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082

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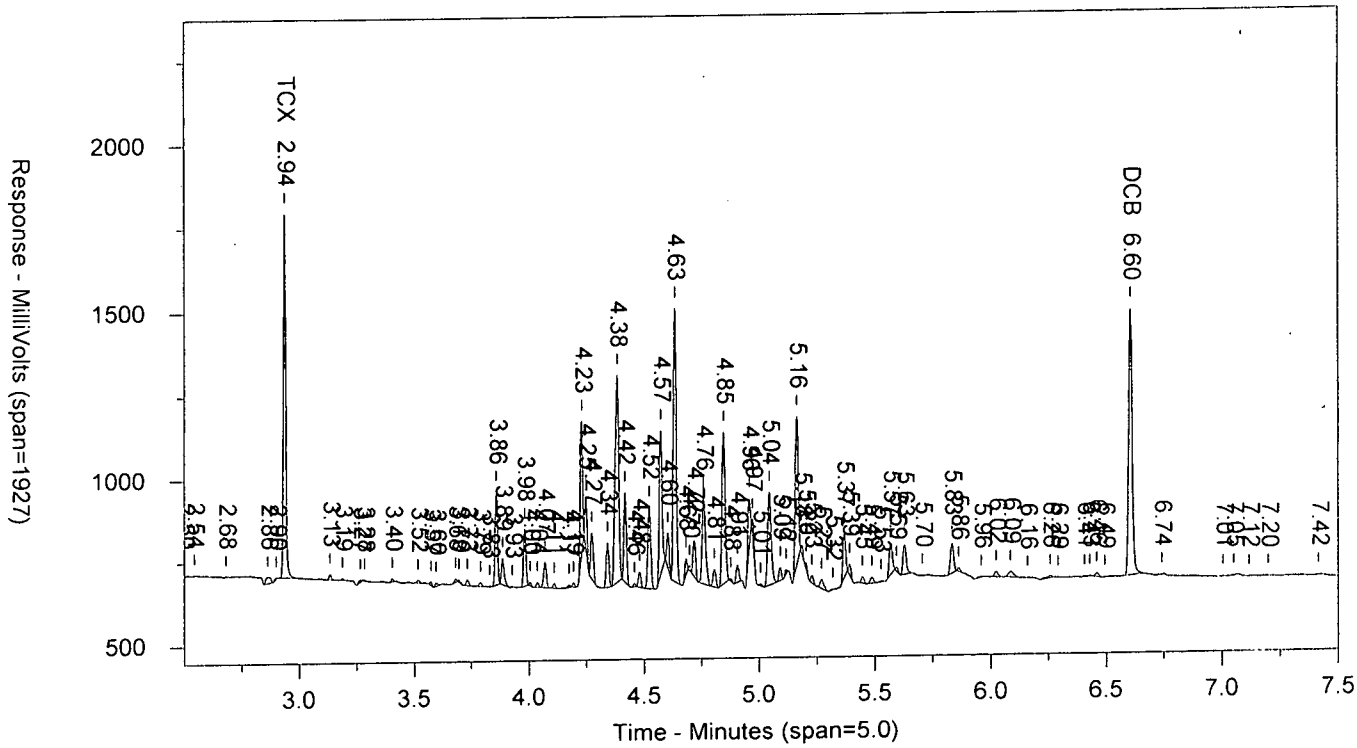

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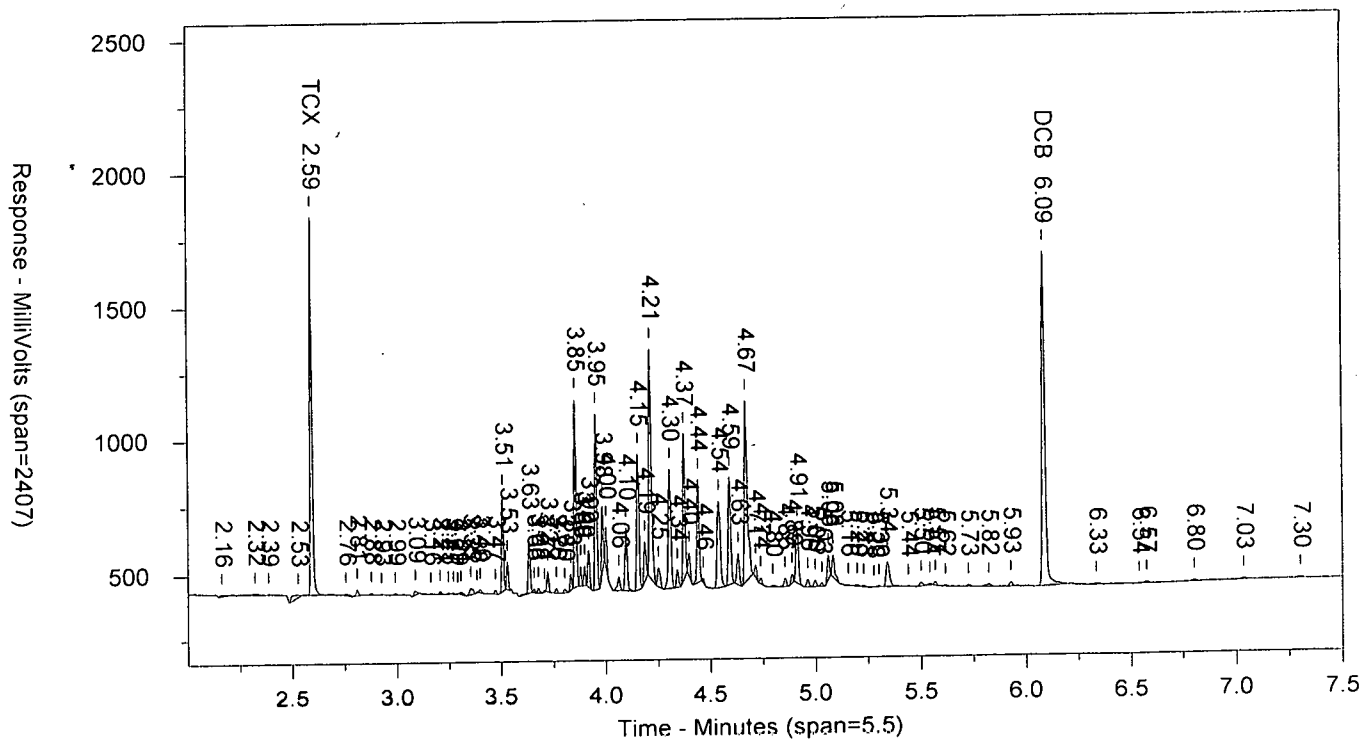

AR5421724C AAAR542AA ICAL 1728199999 10736 SW-846 8082

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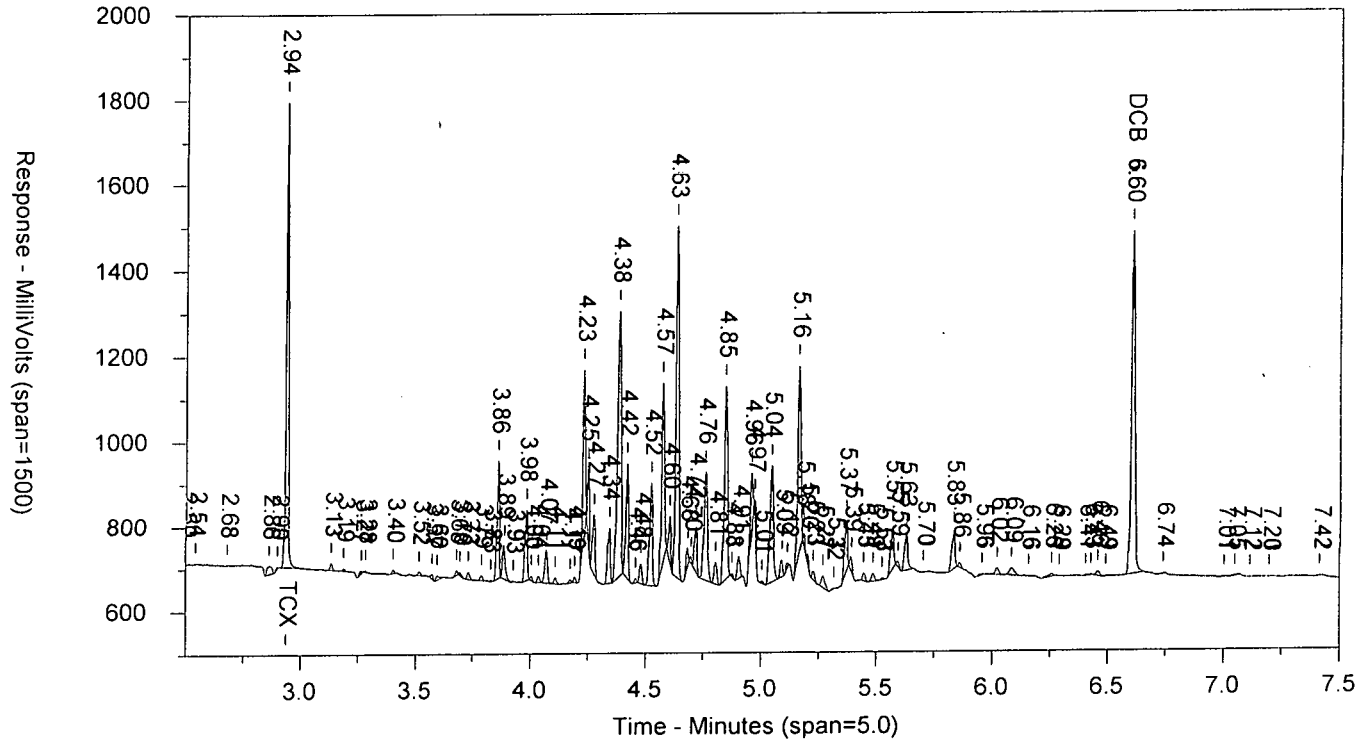

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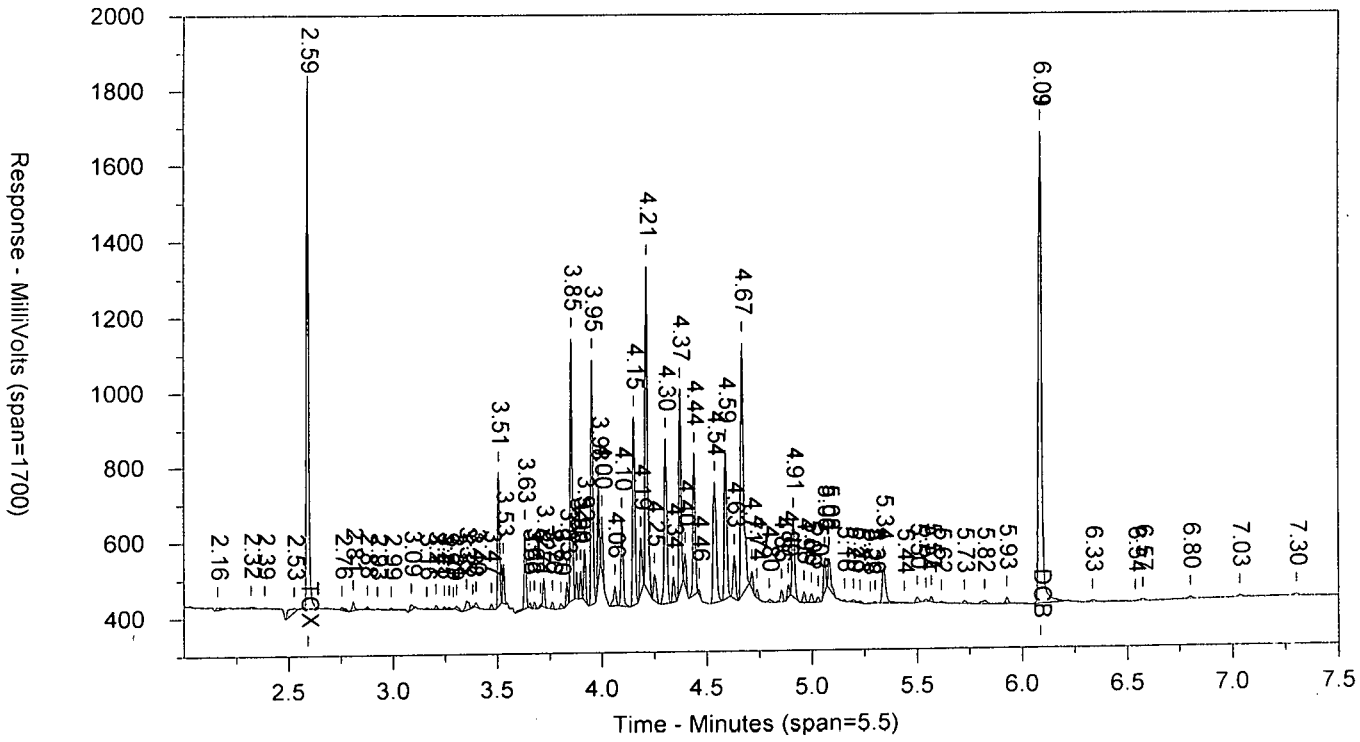


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:56:54 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: 07pcbs17282001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.621		3800	48769
2.063		17070	46836
2.097		4597	7000
2.167		2331	1346
2.235		10317	6615
2.288		3098	1949
2.334		41451	31747
2.501		15930	32783
2.542		7044	6542
2.785		7878	4558
2.863		19203	29460
2.9		7955	7197
2.937	TCX	2220955	1519107
3.135		34616	25119
3.19		8819	5320
3.265		11474	9747
3.404		16345	9777
3.473		5319	4970
3.519		17100	12494
3.574		12941	8857
3.597		15264	10632
3.627		2994	1239
3.684		16523	10212
3.696		10395	8068
3.733		31828	25367
3.791		21919	16889
3.833		2342	1270
3.86		499161	367334
3.886		141829	122361
3.927		4264	3286
3.982		324094	238738
4.007		20942	11966
4.038		30602	21855
4.072		142867	122727
4.111		28000	21053
4.144		3131	1673
4.174		6574	3940
4.195		29081	18746
4.231		722573	510358
4.25		309774	174795
4.275		253002	201191
4.343		248313	203444
4.385		1140734	1240295
4.419		475866	384293
4.46		18189	11949
4.482		87789	66470
4.524		448907	391719
4.573		791866	662535
4.605		201675	134853
4.635		1548498	1331552
4.684		84730	58481
4.699		30104	12349
4.719		201656	152747

RT A	Compound A	Height A	Area A
4.76		484705	483796
4.806		97542	84968
4.847		845539	808709
4.876		14650	8448
4.907		92465	76531
4.959		257839	211662
5.005		15604	13432
5.046		507518	563222
5.092		74573	54227
5.116		31915	21366
5.163		850472	753348
5.185		52209	27438
5.203		38363	22330
5.229		37852	29424
5.272		48254	52462
5.32		2382	3422
5.369		249310	211333
5.392		66823	43392
5.449		37751	31799
5.488		35452	34169
5.529		8367	6812
5.569		176260	170364
5.593		19711	13040
5.629		167761	192663
5.834		168704	161704
5.863		22022	17045
5.956		2708	3822
6.023		30627	28554
6.086		32516	42700
6.26		13566	26141
6.303		1505	465
6.343		4838	5378
6.406		1556	430
6.459		22210	22677
6.489		1355	381
6.504		1446	580
6.606	DCB	1527996	1659251
6.776		1597	498
6.921		1628	528
6.94		1810	435
7.009		1511	582
7.124		1635	1176
7.189		1665	572
7.259		1370	451
7.361		1683	1205
7.4		1612	487
7.448		1839	391
7.943		1965	973
8.014		1768	871
8.175		1280	430
8.228		1718	634
8.288		1386	527
8.349		1444	393
8.37		1391	522
8.418		1159	729
8.448		1056	835
8.471		1453	388
8.518		1294	347
8.575		1560	538
8.585		1966	645
8.643		1446	681

LANCASTER LABORATORIES

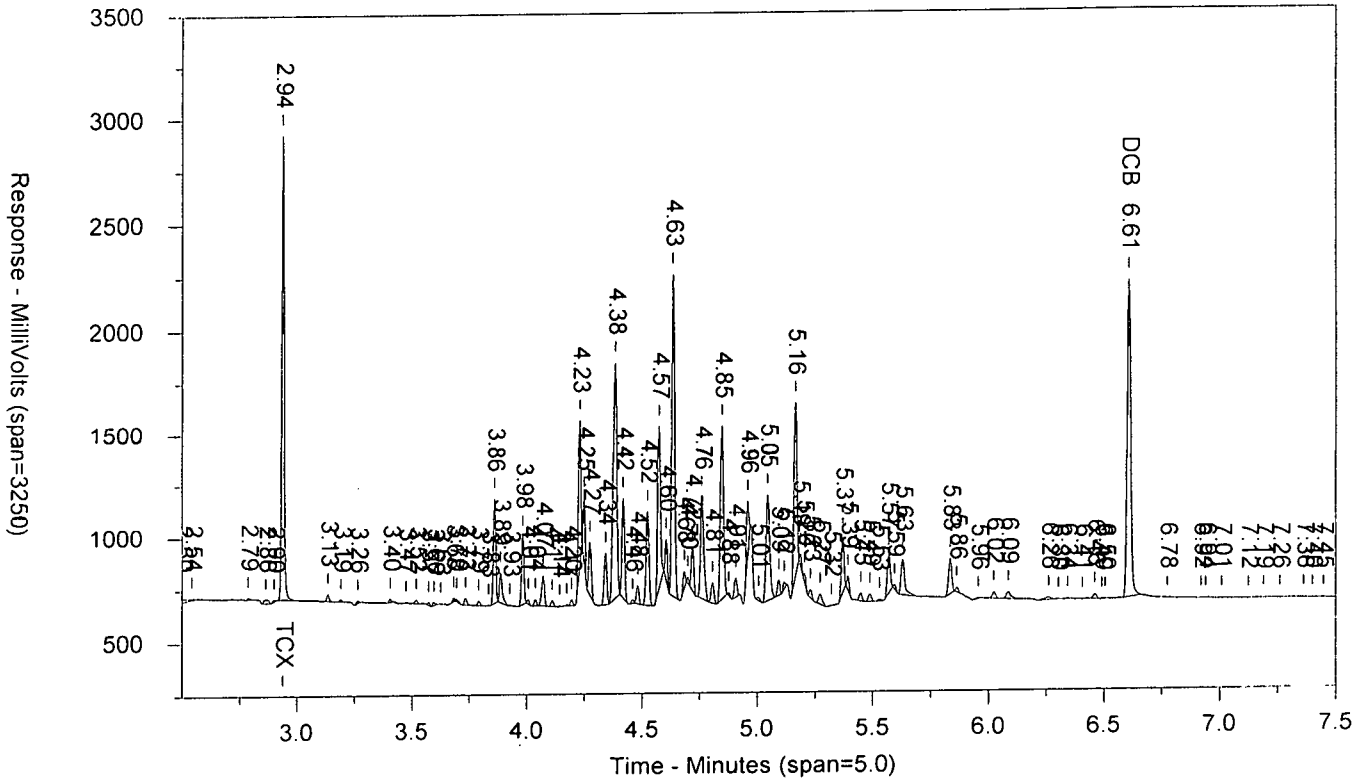
Sample Number: AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:56:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17282001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.702		4437	8438
1.723		4225	2531
1.767		10611	20652
1.816		4877	11998
1.901		55673	44416
1.965		3516	4371
2.163		6891	8491
2.387		5254	6192
2.511		7756	20352
2.526		11552	9255
2.569		2207	1113
2.592	TCX	2331697	1561778
2.763		8101	15169
2.81		47623	38364
2.877		10924	7982
2.927		9008	7543
2.987		2541	5770
3.085		30673	41317
3.16		6453	5660
3.207		17105	13251
3.246		12922	8824
3.27		10571	5450
3.289		3591	1746
3.306		15221	16086
3.355		39753	48349
3.385		9214	4532
3.399		21511	16265
3.454		1778	734
3.473		22703	14774
3.508		571661	357947
3.531		174985	100687
3.548		14616	5783
3.633		378558	239688
3.656		25104	12876
3.677		37181	24471
3.707		13244	6246
3.722		140715	85654
3.763		34628	23786
3.803		27163	22646
3.833		111241	63872
3.855		1295078	887605
3.88		127311	70892
3.899		133831	74880
3.919		241097	155004
3.954		1188542	826061
3.986		442317	266291
4.002		256121	135649
4.063		96437	75405
4.097		425596	326525
4.154		939748	712323
4.187		264129	199958
4.214		1570578	1258175
4.252		116484	115374
4.305		816646	686022

4.342		113498	87976
4.375		938169	696596
4.398		140582	92293
4.442		649228	507152
4.538		559164	581292
4.569		8068	3474
4.592		671530	563809
4.632		186660	164288
4.671		1172229	1176424
4.717		77488	49906
4.741		39745	27027
4.798		12447	12962
4.858		52874	50483
4.891		56133	36831
4.914		342420	291840
4.964		49290	41035
4.999		38493	32252
5.031		23159	18637
5.063		145568	108515
5.085		122276	111861
5.158		8300	15091
5.302		6920	5080
5.343		160704	183047
5.501		26009	23757
5.55		5159	4154
5.57		23325	18577
5.619		7271	6934
5.726		8782	8225
5.929		28767	29983
6.087	DCB	2427663	2461951
6.538		2486	1789
6.735		1587	6590
8.17		9627	19357

AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17282001.0021.RAW



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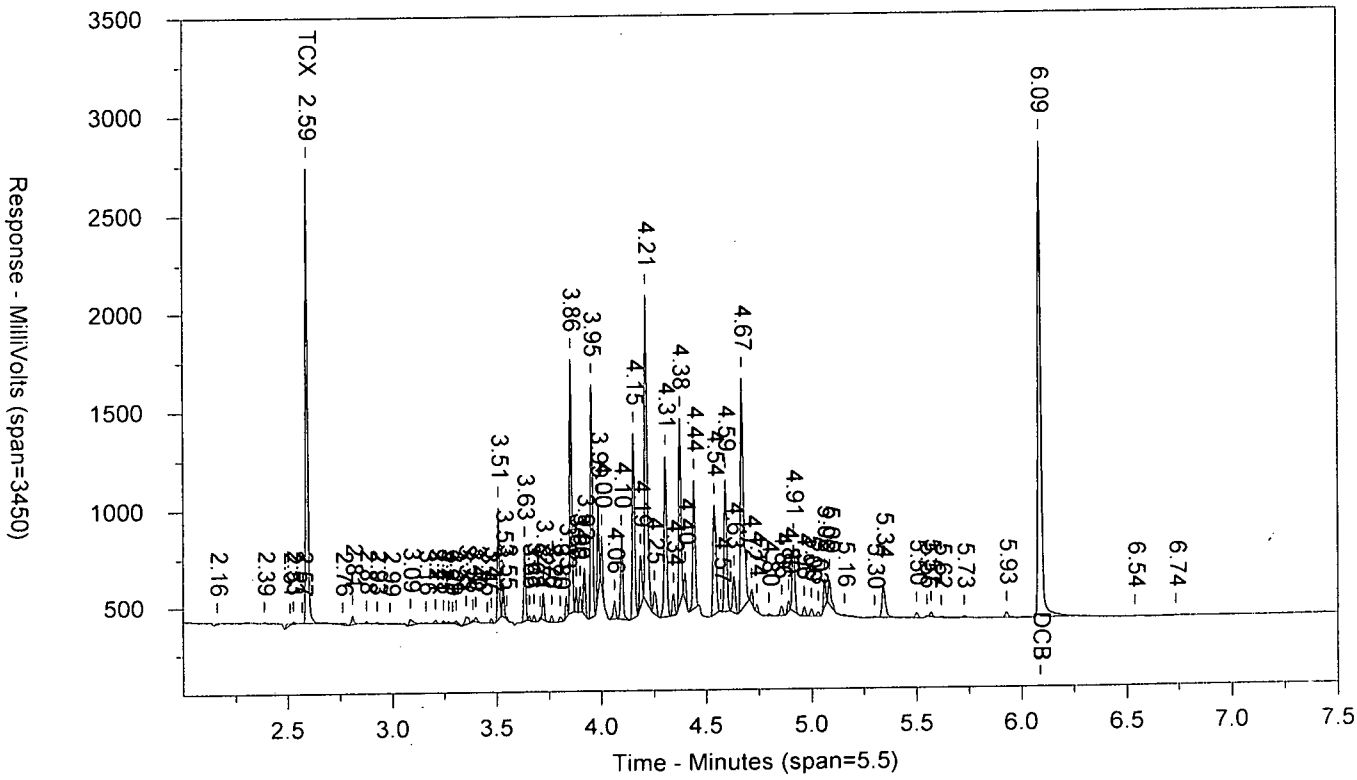

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 10:56:54 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
2.937	2220955	7.883	TCX	2.592	2331697	7.302	TCX
6.606	1527996	7.971	DCB	6.087	2427663	7.732	DCB

Files:
Area File: 07pcbs17282001.0021.RAW
Area File: 07pcbs17282001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 11:05:37 PM
File Reported On: 10/9/2017 at 11:05:47 PM

AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082

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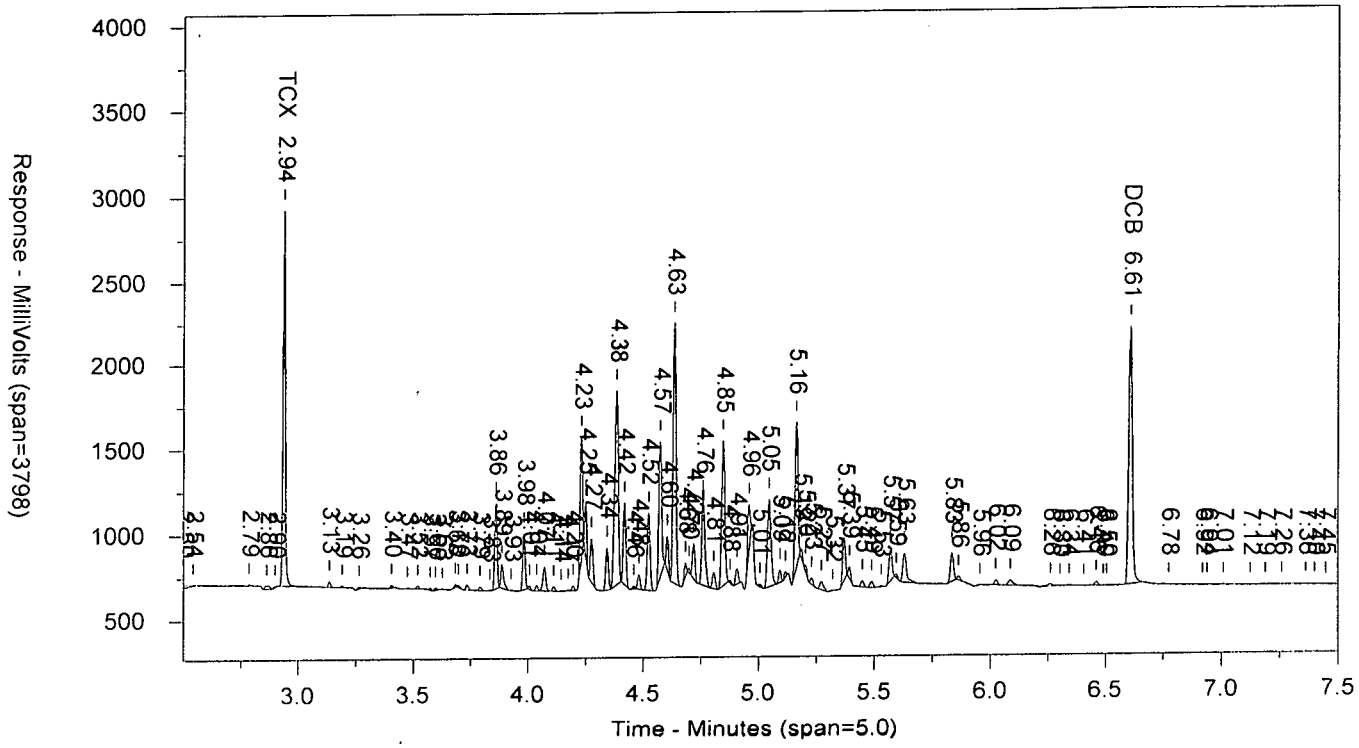

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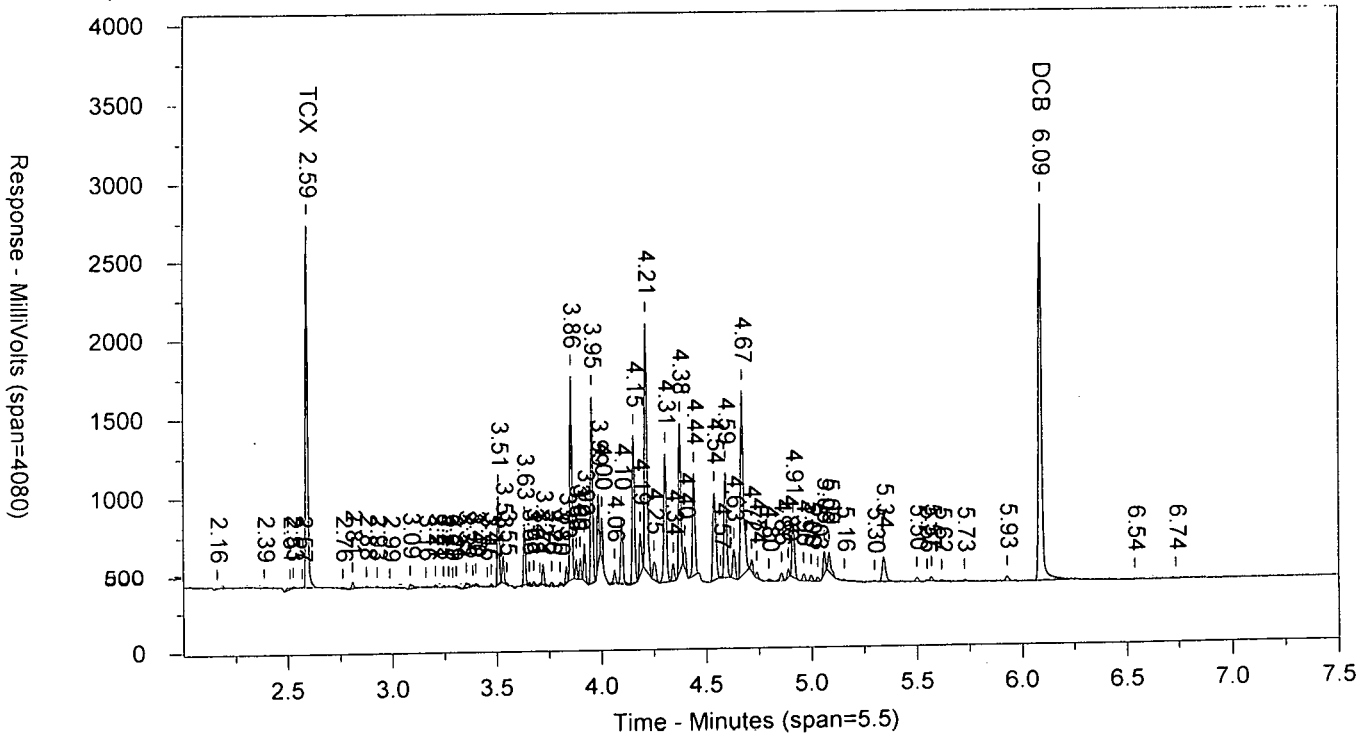

AR5431724C AAAR543AA ICAL 1728199999 10736 SW-846 8082

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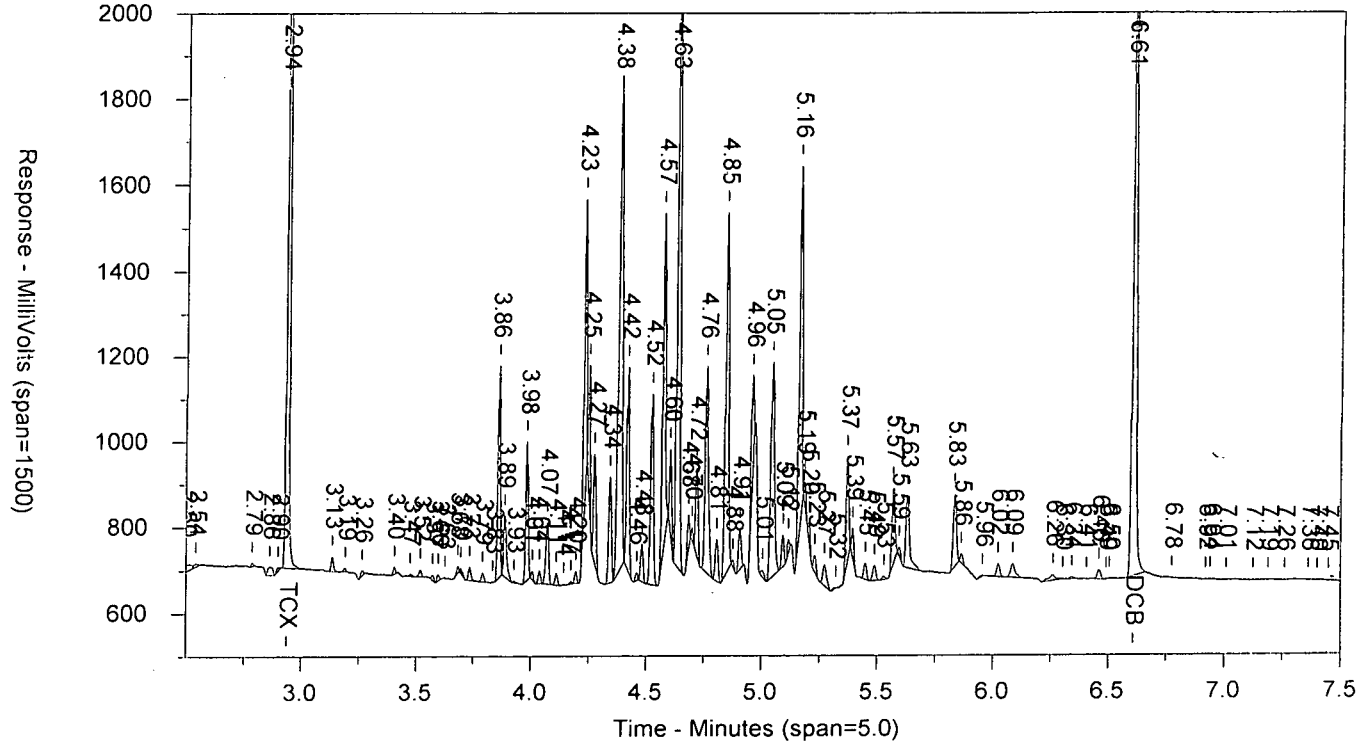

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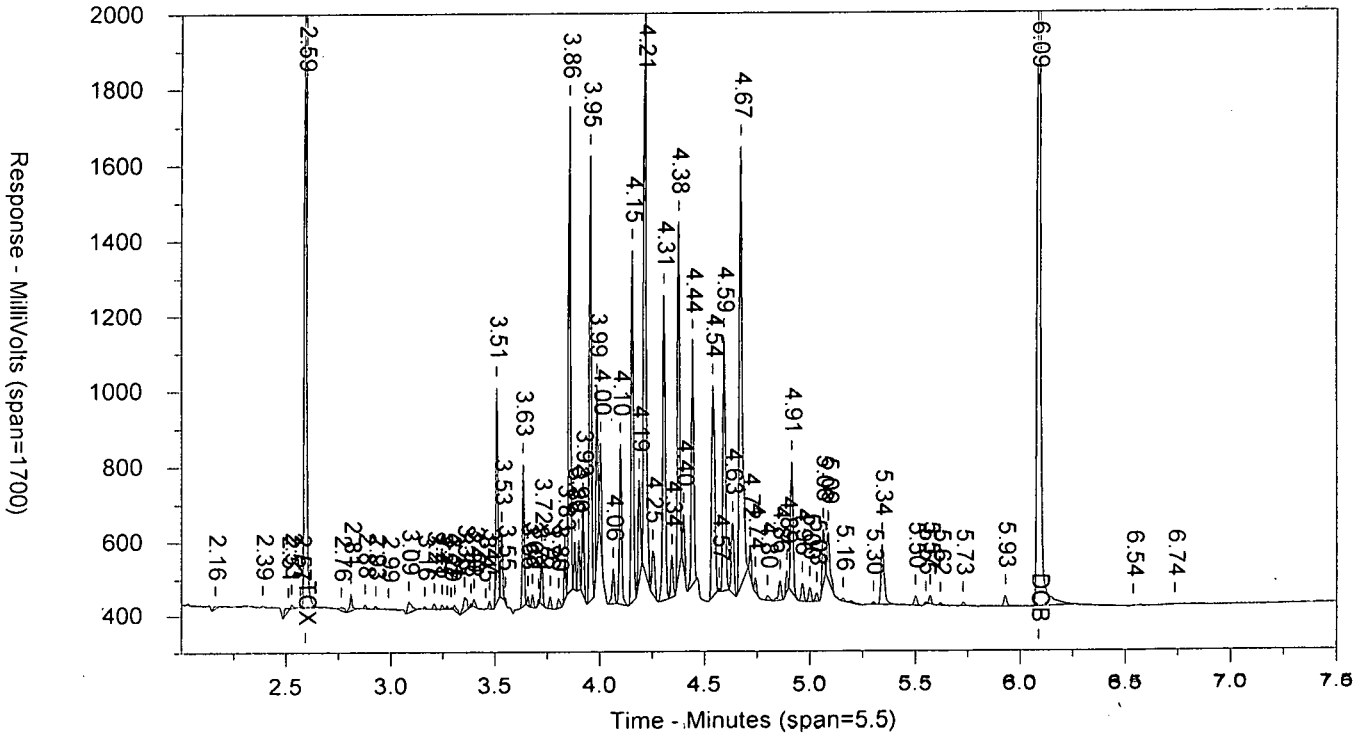

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:08:20 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: 07pcbs17282001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.616		7743	51631
2.063		20099	53866
2.099		6229	12803
2.182		5274	8570
2.235		26639	23244
2.279		2419	1382
2.334		41708	33860
2.517		14025	33039
2.542		8253	8478
2.786		10233	6896
2.871		19558	28903
2.937	TCX	5280304	3638903
3.085		6330	7008
3.134		79027	55738
3.189		24355	18322
3.265		21950	16364
3.282		4570	2962
3.405		37849	22561
3.421		9713	5319
3.457		2105	739
3.475		11877	8638
3.518		40801	32062
3.574		24682	16606
3.595		30280	20454
3.627		8005	5125
3.684		40958	21357
3.696		19239	16917
3.734		75036	60836
3.791		49841	39154
3.832		6031	3725
3.86		1093576	808398
3.886		318456	280398
3.925		2281	1038
3.982		707566	530371
4.007		49319	28663
4.038		72619	52679
4.072		317902	281598
4.111		70300	52327
4.145		5857	3423
4.159		2845	1202
4.176		5297	2418
4.196		67148	47020
4.232		1604072	1139474
4.25		698428	385359
4.275		558786	448320
4.343		566430	453453
4.385		2634142	2798591
4.419		1041769	853936
4.459		42305	27305
4.482		183110	149055
4.524		991934	875536
4.574		1852575	1500999
4.605		453936	305698

RT A	Compound A	Height A	Area A
4.635		3643905	3119905
4.684		201879	138517
4.699		56552	24430
4.718		465934	347203
4.76		1083859	1090595
4.806		223677	196602
4.847		2000796	1880932
4.878		39452	23632
4.906		203891	162838
4.926		37046	20529
4.959		594414	456067
4.972		152246	106793
5.008		28006	20801
5.045		1198758	1315029
5.092		168175	126164
5.117		56669	39628
5.128		43682	30464
5.164		1922830	1745394
5.185		118139	57523
5.204		91908	51861
5.229		85487	64967
5.272		113086	120409
5.316		5899	5689
5.344		3029	1689
5.369		577392	493683
5.391		130606	97510
5.448		87831	79231
5.488		89106	81305
5.529		18411	16121
5.569		425182	402444
5.595		54144	34018
5.629		383021	437424
5.834		374158	360368
5.863		52664	50660
5.954		2943	4631
6.024		72297	71205
6.087		79182	107728
6.259		26448	38873
6.333		1357	739
6.378		1630	471
6.459		52228	52197
6.509		1890	2457
6.606	DCB	3454631	3814423
6.804		1636	707
6.899		1818	444
7.012		1430	863
7.147		1239	1505
7.188		1515	624
7.217		1921	2151
7.347		1689	991
7.539		2171	1221
7.996		1379	632
8.043		1448	568
8.148		1594	422
8.238		1740	957
8.279		1169	555
8.325		1356	931
8.372		1454	472
8.411		1371	601
8.576		3952	6920
8.668		1221	432

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:08:20 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: 07pcbs17282001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.532		1523	1027
1.724		5265	2978
1.765		7879	16017
1.8		4809	5111
1.902		78034	73237
1.967		5323	9835
2.031		13885	12846
2.133		7835	8493
2.158		6276	7114
2.246		1891	1911
2.299		2893	9690
2.387		6764	7195
2.504		10225	15285
2.526		20215	14624
2.592	TCX	7266371	4784048
2.765		9987	14909
2.81		107049	81069
2.877		30533	23546
2.926		19800	14169
2.988		5681	5565
3.086		67535	81852
3.137		4377	2876
3.161		16727	14928
3.208		48065	36341
3.246		32850	22482
3.27		28103	15091
3.29		8873	4403
3.306		14951	11896
3.355		89490	96984
3.385		26216	12311
3.399		58667	45584
3.432		4052	2088
3.455		2350	1176
3.473		62501	41363
3.508		1523473	937531
3.53		450562	265377
3.548		45557	18835
3.633		939031	589842
3.656		66108	34353
3.677		92221	63849
3.707		34932	16753
3.722		342674	208140
3.763		89796	61358
3.803		70225	59216
3.833		278492	158506
3.855		3426397	2186876
3.88		321125	182554
3.899		346644	188419
3.919		604598	375679
3.953		2934446	2038713
3.985		1100181	650700
4.002		638531	329878
4.063		233059	173470
4.097		1009997	778654

4.154		2482571	1795772
4.187		667416	507367
4.214		4430061	3200006
4.252		305833	294903
4.305		2056533	1695781
4.341		300567	225196
4.374		2351286	1743076
4.398		401359	258221
4.441		1658587	1291226
4.465		75927	38827
4.539		1461754	1543285
4.591		1907387	1581348
4.631		488024	423156
4.67		3189601	3033763
4.715		222687	137202
4.74		102079	72235
4.798		34920	37532
4.839		7531	4543
4.857		144252	111927
4.889		156568	102678
4.913		986407	784883
4.963		124167	104767
4.999		105174	87103
5.03		65122	52424
5.061		467728	339964
5.085		386851	344311
5.155		20662	15877
5.278		2102	1447
5.3		19674	15911
5.342		441191	506234
5.501		71583	65894
5.548		14850	10544
5.569		65754	53651
5.618		21060	19823
5.727		27882	24176
5.819		1968	4132
5.928		82673	73360
6.086	DCB	6589456	6573653
6.538		5657	5063
6.857		1587	1793
7.579		2691	4061
8.166		8861	15610

AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082

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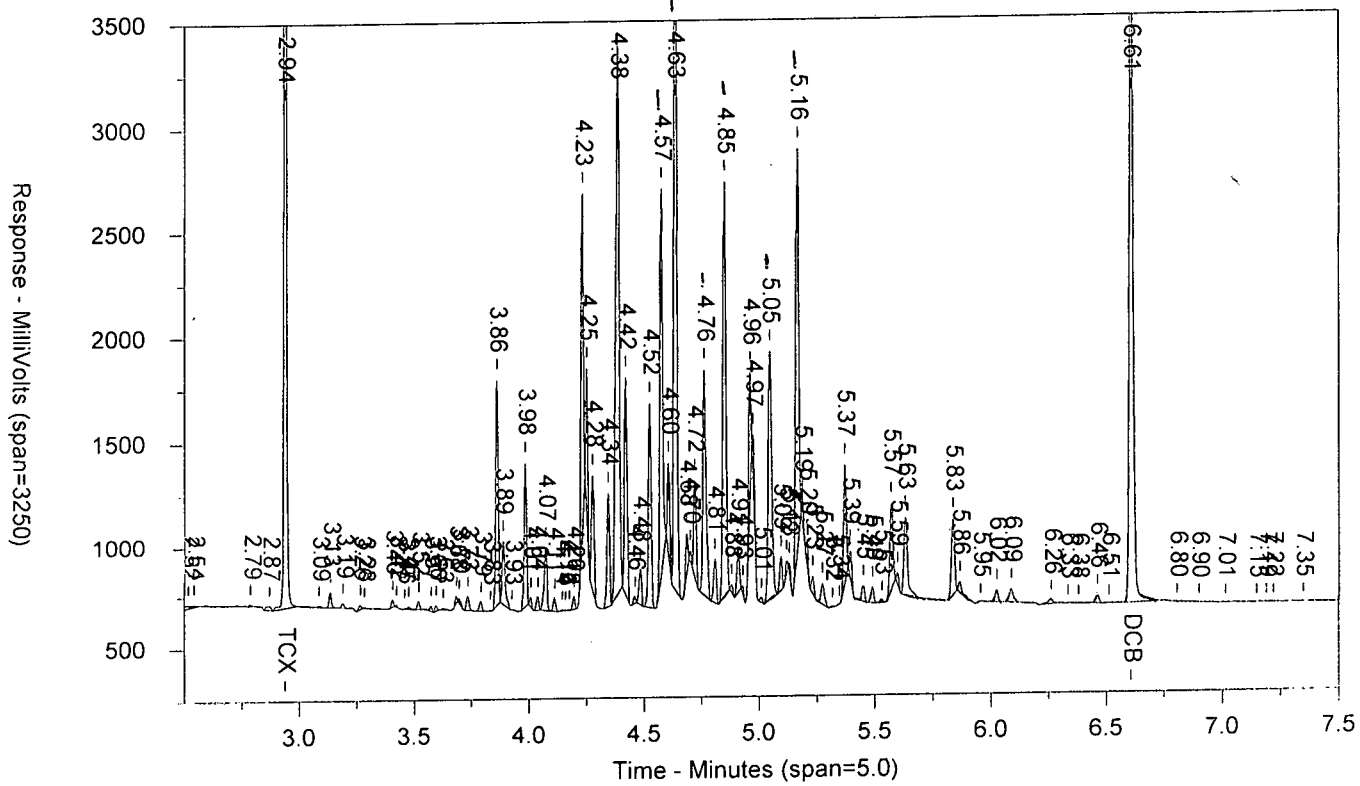

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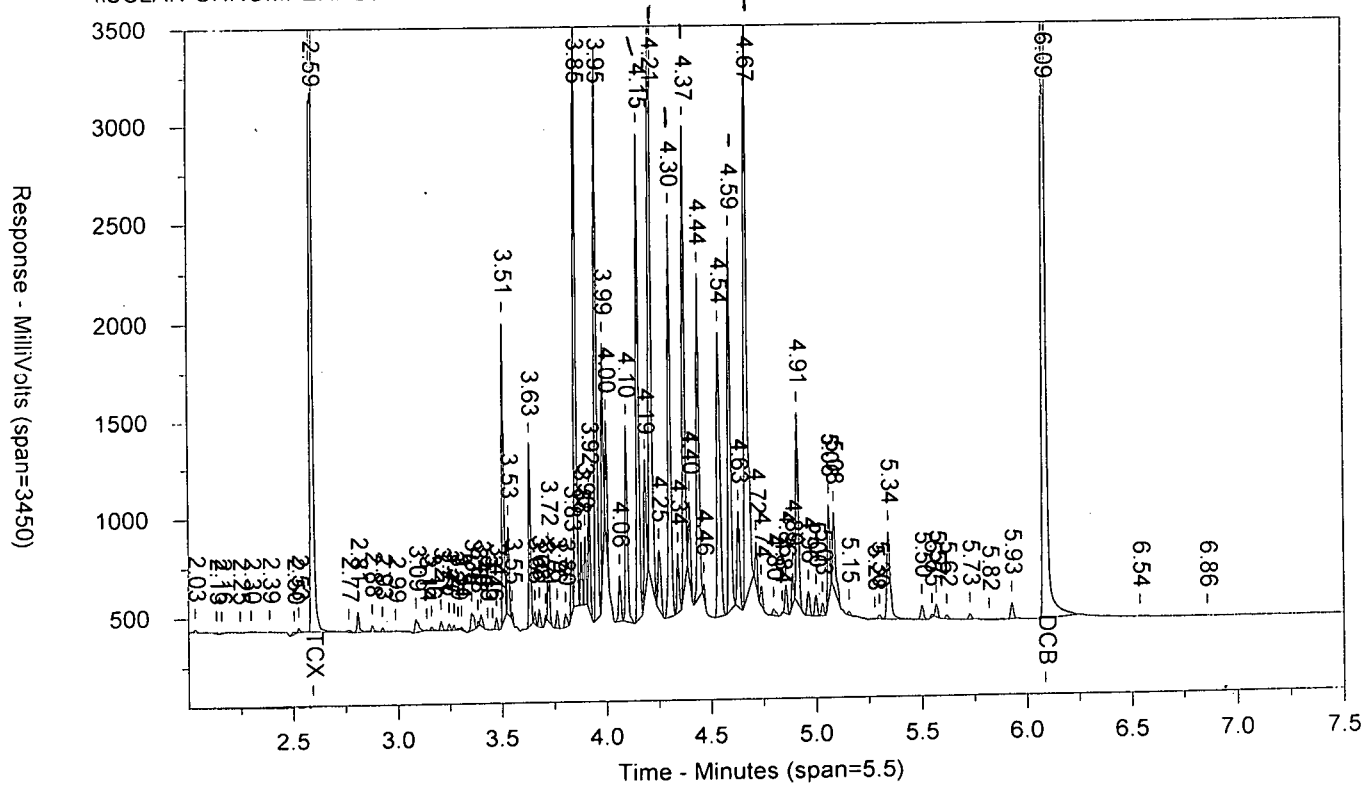

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:08:20 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
2.937	5280304	18.742	TCX	2.592	7266371	22.756	TCX
6.606	3454631	18.022	DCB	6.086	6589456	20.986	DCB

Files:
Area File: 07pcbs17282001.0022.RAW
Area File: 07pcbs17282001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 11:17:02 PM
File Reported On: 10/9/2017 at 11:17:08 PM

AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082

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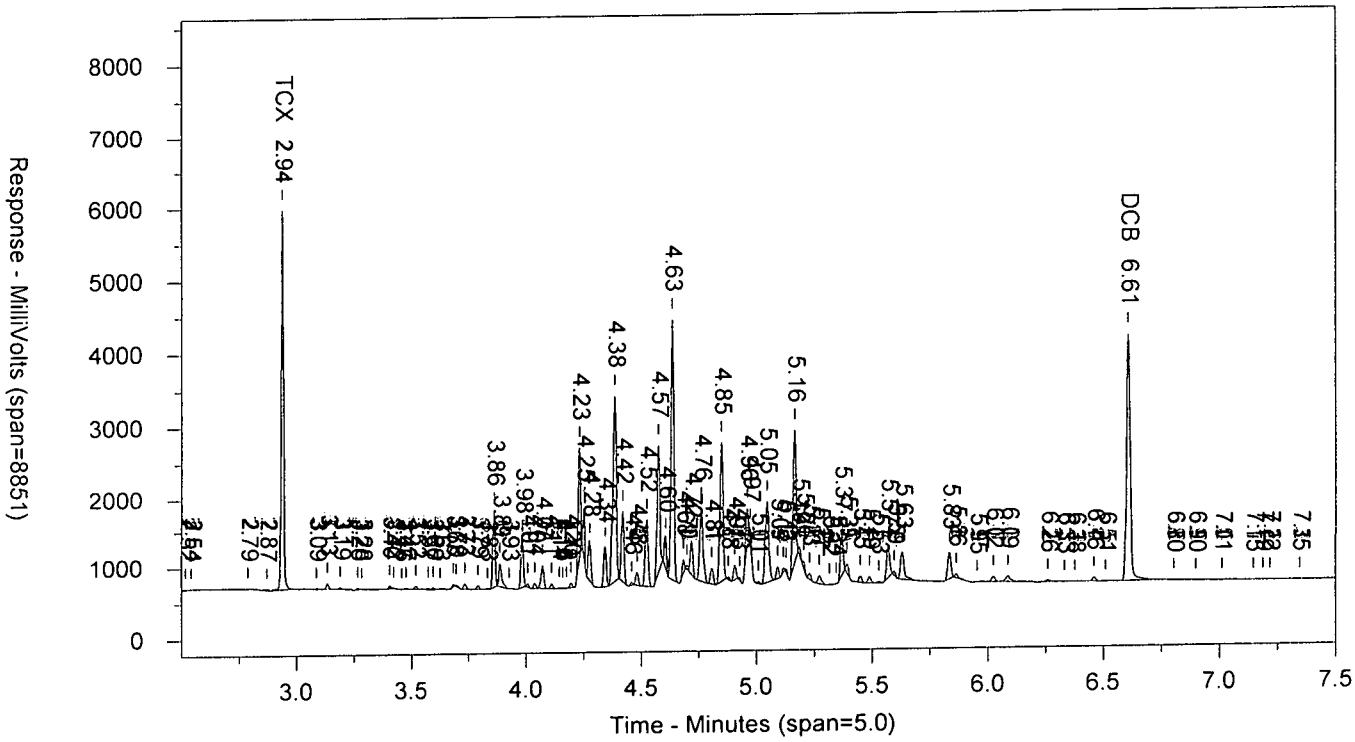

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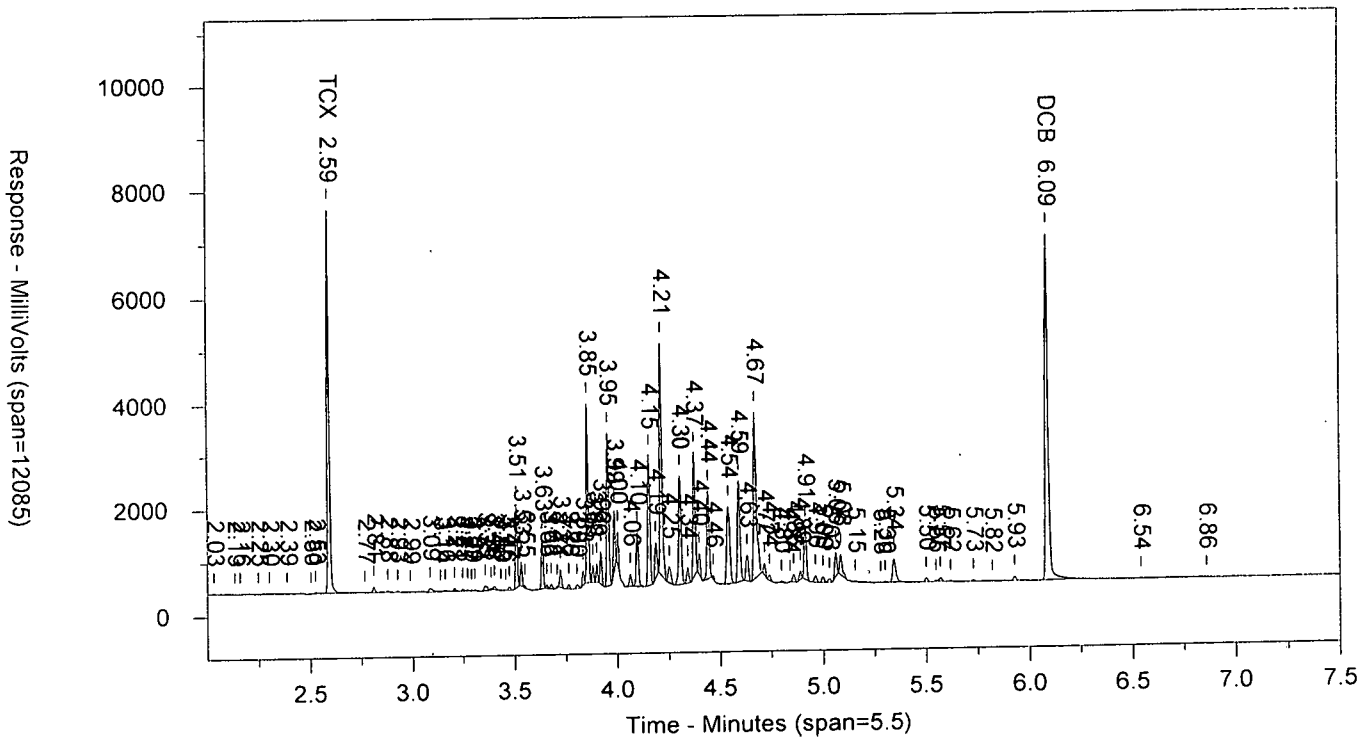

AR5441724C AAAR544AA ICAL 1728199999 10736 SW-846 8082

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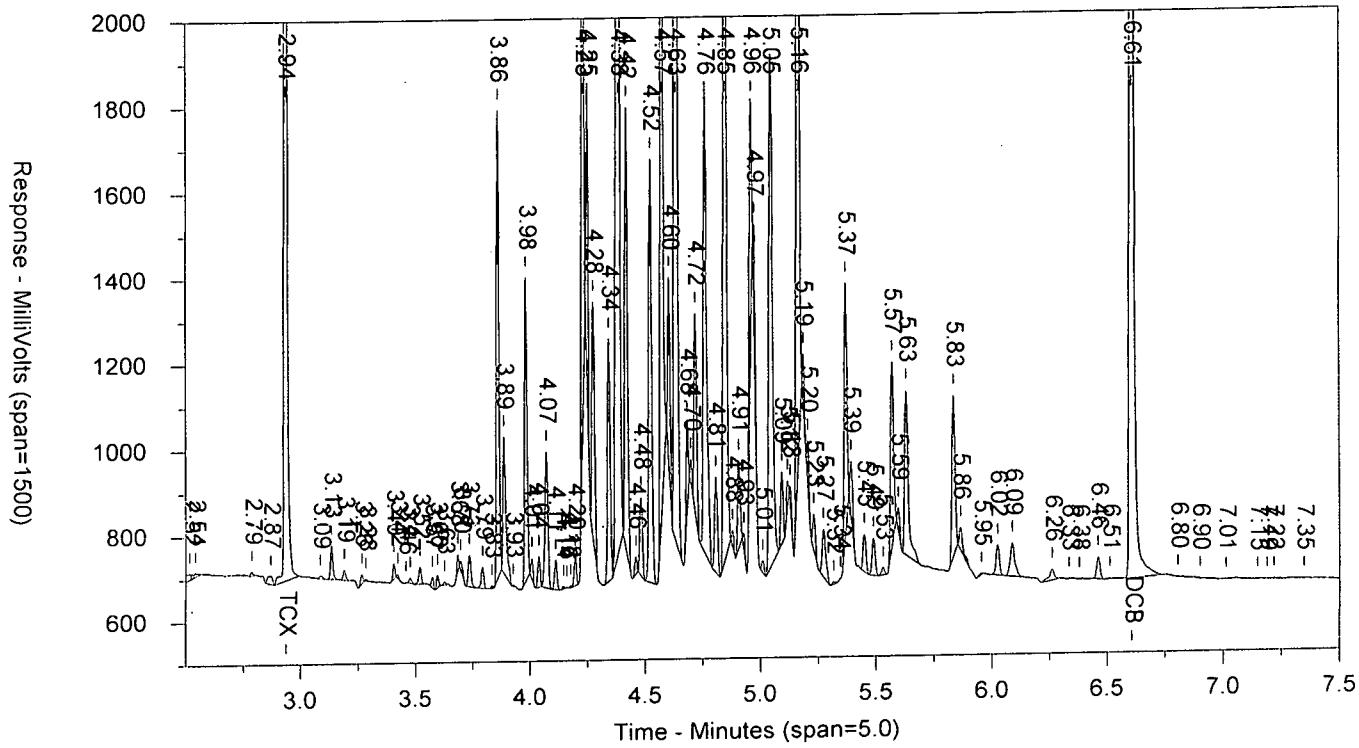

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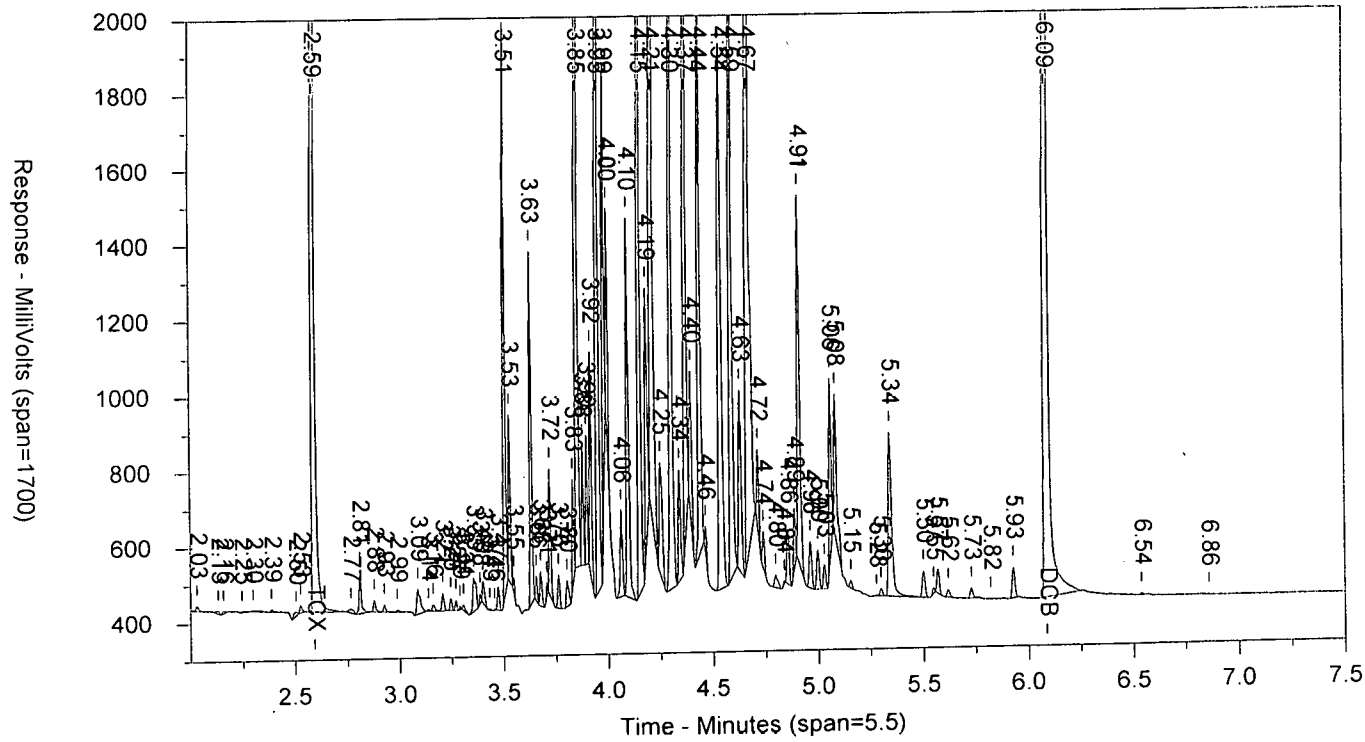

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:19:45 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: 07pcbs17282001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.615		5485	34482
2.063		11682	31848
2.09		3545	2483
2.181		4684	6529
2.235		51370	41251
2.337		24257	28458
2.443		2715	2586
2.513		6929	16883
2.788		2922	1490
2.861		4084	3421
2.902		5447	6638
2.937	TCX	11126890	7282398
3.088		13846	14034
3.134		155455	109048
3.19		48216	35812
3.265		31096	21200
3.284		9571	5853
3.404		72640	45406
3.42		18124	9233
3.46		3775	2307
3.476		22189	17827
3.518		79407	59466
3.574		46507	29967
3.595		54671	35620
3.627		15373	8232
3.641		6063	3405
3.684		68595	37354
3.696		44578	33096
3.734		142494	116107
3.791		98081	74848
3.832		11891	7934
3.86		2101682	1514559
3.886		598656	539014
3.927		3690	4235
3.982		1344656	994797
4.007		90682	56144
4.038		142954	100981
4.071		602821	527264
4.111		133479	101733
4.143		11876	7021
4.157		4320	1719
4.174		4271	1331
4.195		123270	93232
4.231		3303809	2267674
4.25		1402245	766357
4.275		1041175	839316
4.342		1028385	847984
4.385		5240626	5489102
4.419		2015700	1626772
4.459		81524	53713
4.482		359408	281634
4.523		1926845	1655275
4.574		3786361	3032438

RT A	Compound A	Height A	Area A
4.604		879505	584413
4.635		7471743	6256114
4.683		354639	248177
4.698		99370	44509
4.718		891834	668689
4.738		2557	525
4.759		1981291	2031739
4.806		423860	372845
4.847		4070714	3759417
4.877		76950	45798
4.906		363526	300365
4.925		51719	29978
4.958		1190962	884345
4.971		272676	191625
5.008		51197	38858
5.045		2524789	2626842
5.092		317111	252780
5.117		118292	81914
5.127		65273	49323
5.163		4041315	3571237
5.185		282577	142536
5.202		154815	91630
5.229		174906	129878
5.272		200555	223270
5.368		1167366	977808
5.391		290553	192287
5.449		174370	156139
5.487		169964	157085
5.527		32714	29710
5.568		827035	780670
5.593		96399	69932
5.628		780283	754718
5.833		688810	671602
5.862		106061	105015
6.023		117774	125660
6.087		129545	191131
6.237		1460	1630
6.258		41564	41671
6.303		3243	2486
6.373		1287	807
6.432		2410	1777
6.46		87938	92940
6.494		2116	463
6.506		1384	794
6.553		1438	542
6.606	DCB	6807076	7114764
6.71		2407	1977
6.748		2667	3821
6.782		2281	1587
7.011		1540	698
7.057		7292	15457
7.11		1998	447
7.243		1574	640
7.412		1399	616
7.484		2201	1270
7.798		1780	939
7.848		1820	1166
8.004		1713	386
8.15		1908	474
8.232		1210	612
8.285		843	744
8.314		1582	662
8.362		1886	3175
8.375		1830	615
8.437		1488	361
8.505		1079	1127

RT A	Compound A	Height A	Area A
8.568		1208	604
8.583		1768	1194
8.659		1341	461

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:19:45 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: 07pcbs17282001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.697		3386	7045
1.722		4437	2985
1.77		9568	18419
1.82		10527	21111
1.848		10816	17249
1.903		83517	99512
1.965		9724	19379
2.03		26688	24744
2.167		4175	6770
2.3		2884	8041
2.387		4370	5068
2.511		5419	14386
2.527		4161	2982
2.592	TCX	11528200	7261750
2.756		17429	28209
2.81		185213	121768
2.877		51613	37761
2.926		39120	24409
2.99		15901	33754
3.085		101593	120434
3.136		6637	3650
3.16		24455	18071
3.207		79921	62499
3.246		56320	37114
3.27		54586	28972
3.29		15017	7390
3.304		12464	11179
3.355		142462	153736
3.384		43828	20299
3.399		94102	77714
3.472		107189	75381
3.507		2493605	1502786
3.53		718466	417109
3.548		60254	25879
3.633		1582264	1013130
3.655		109325	54455
3.676		157958	109591
3.706		52134	26969
3.722		605706	366216
3.762		157013	110551
3.803		121453	103782
3.833		495053	283202
3.855		6078195	3963244
3.88		566632	309697
3.899		584165	320227
3.919		1034107	652059
3.954		5330512	3672633
3.985		1906122	1129963
4.001		1081521	547182
4.062		403987	299152
4.097		1924308	1474388
4.153		4592630	3365897
4.186		1208798	928200
4.214		8239242	6088178

4.252		547595	529344
4.305		3777159	3168733
4.342		543208	408840
4.374		4885774	3543738
4.398		629180	411979
4.441		3089628	2363149
4.465		115455	53904
4.539		2610847	2835623
4.591		3675327	3026199
4.632		884061	752814
4.67		6028783	5749040
4.715		366796	253673
4.74		179402	123763
4.798		61104	67290
4.84		11604	6678
4.857		255337	194690
4.89		240506	162136
4.913		1733550	1381875
4.964		216507	180830
4.999		170946	145199
5.03		105615	84685
5.062		779810	580429
5.085		614893	544156
5.155		32388	26521
5.275		3157	2035
5.3		33341	27447
5.342		762428	872745
5.501		110397	99525
5.547		29503	20687
5.569		97314	75534
5.618		38336	37475
5.727		51889	45703
5.824		9283	17557
5.879		1735	1887
5.928		147698	132940
6.087	DCB	11972620	11995410
6.258		5579	6706
6.34		7555	9631
6.539		9015	7876
6.572		5940	8600
6.804		7901	13107
7.04		8350	15036
7.301		5359	9834
8.166		7922	14449

AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082

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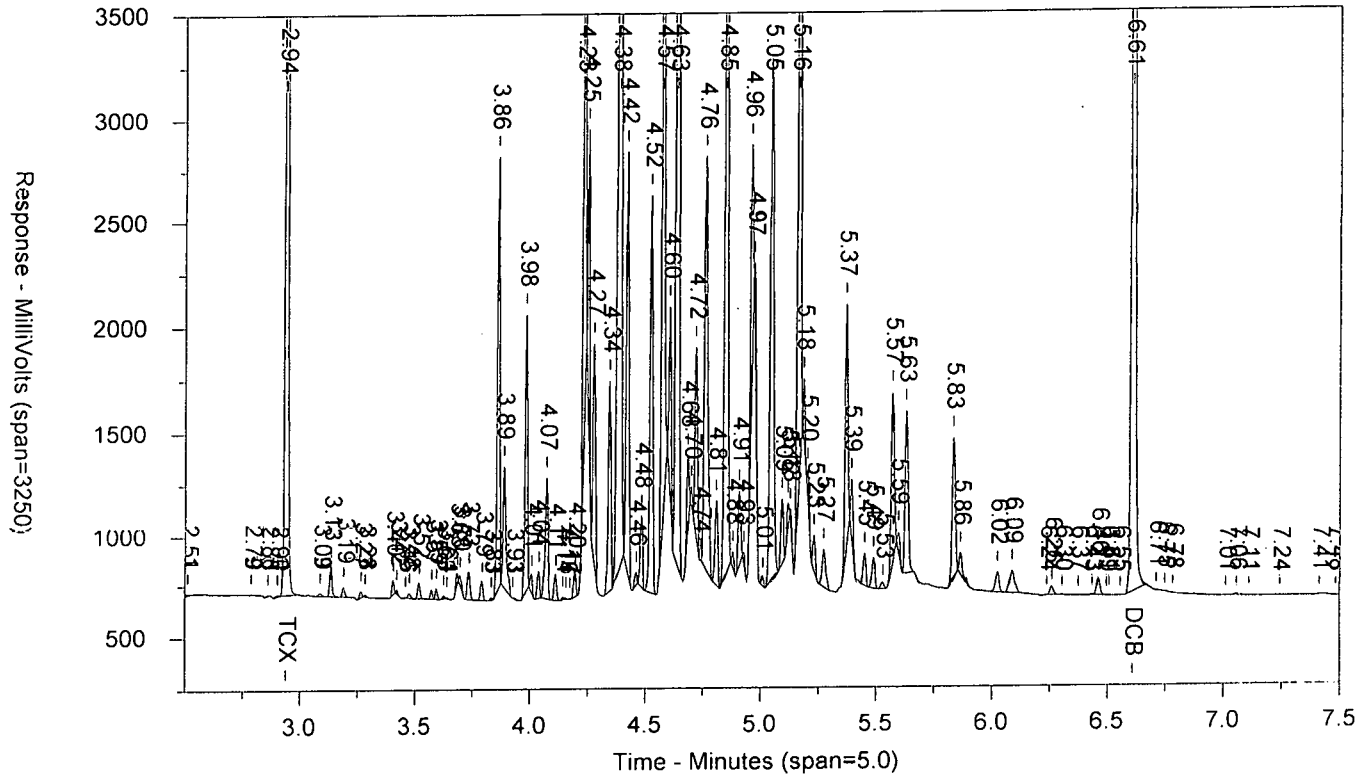

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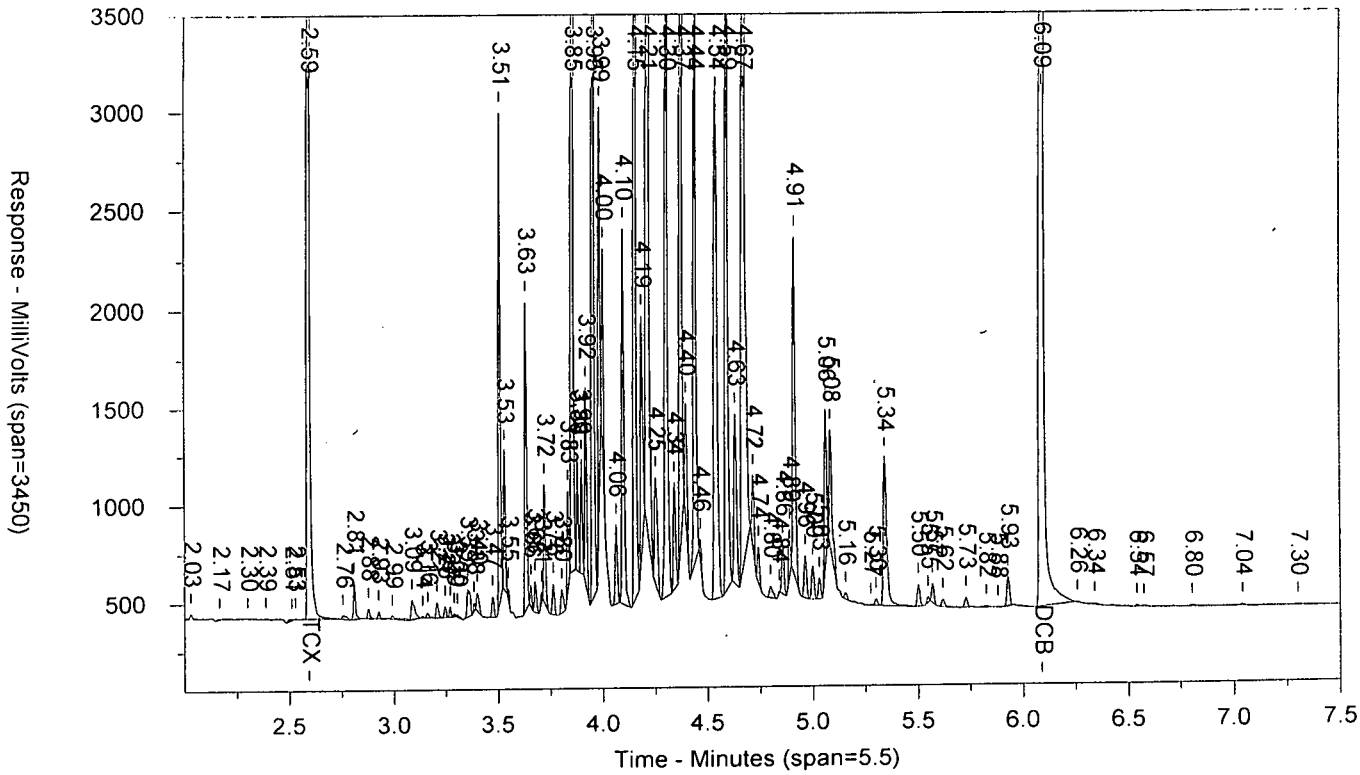

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:19:45 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
2.937	11126890	39.495	TCX	2.592	11528200	36.103	TCX
6.606	6807076	35.51	DCB	6.087	11972620	38.131	DCB

Files:
Area File: 07pcbs17282001.0023.RAW
Area File: 07pcbs17282001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 11:28:31 PM
File Reported On: 10/9/2017 at 11:28:37 PM

AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082

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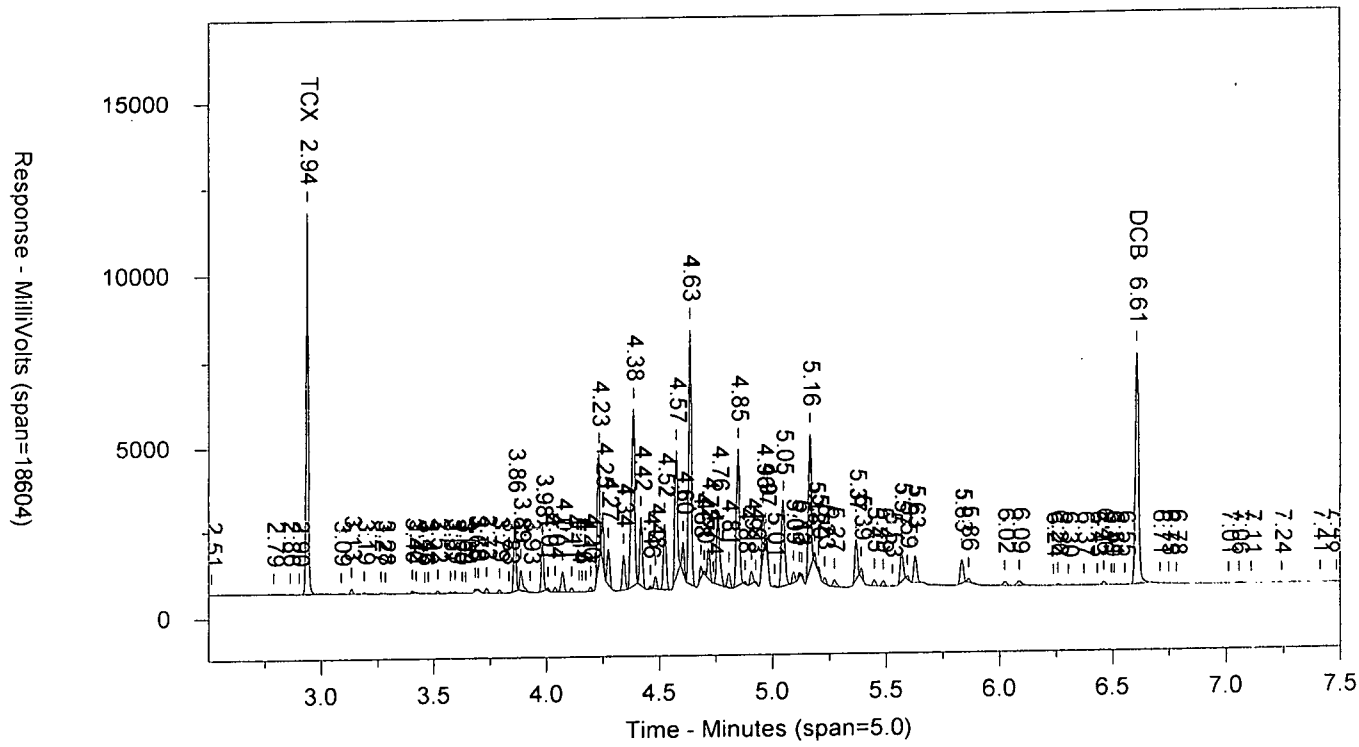

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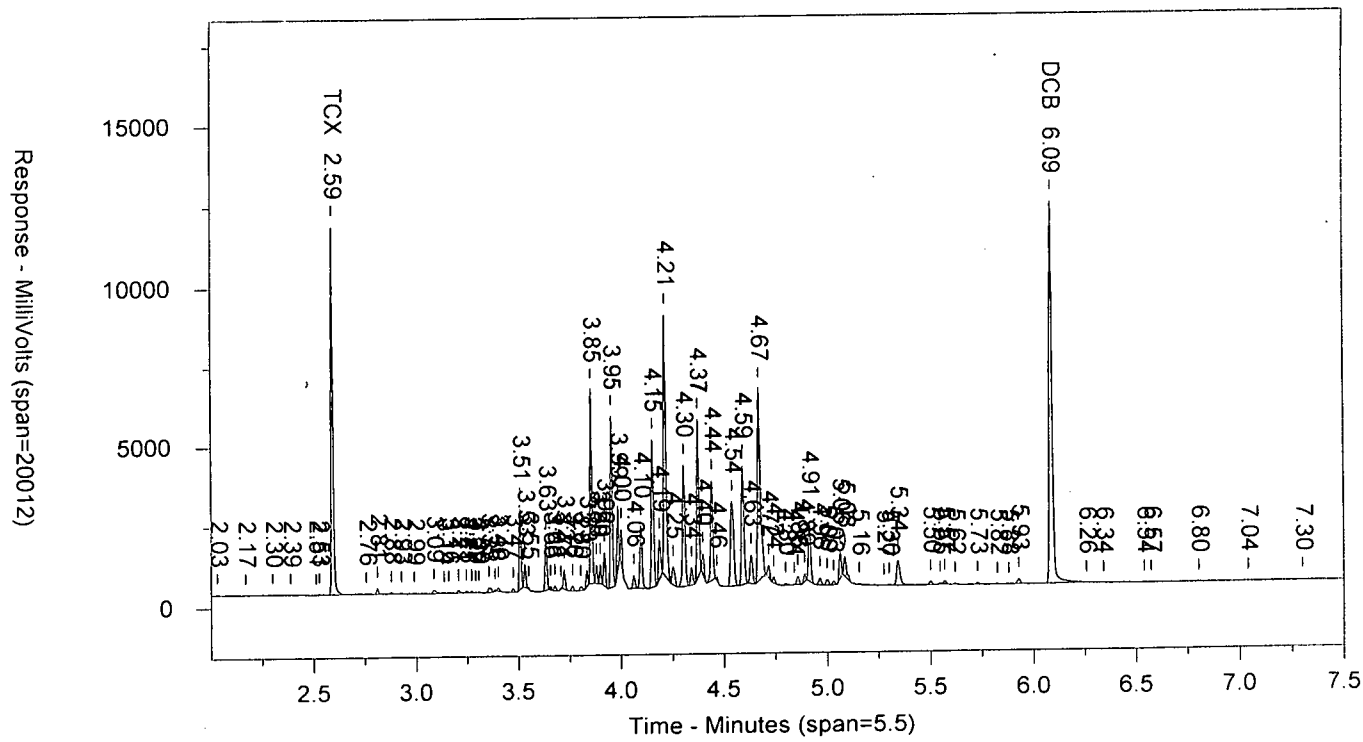

AR5451724C AAAR545AA ICAL 1728199999 10736 SW-846 8082

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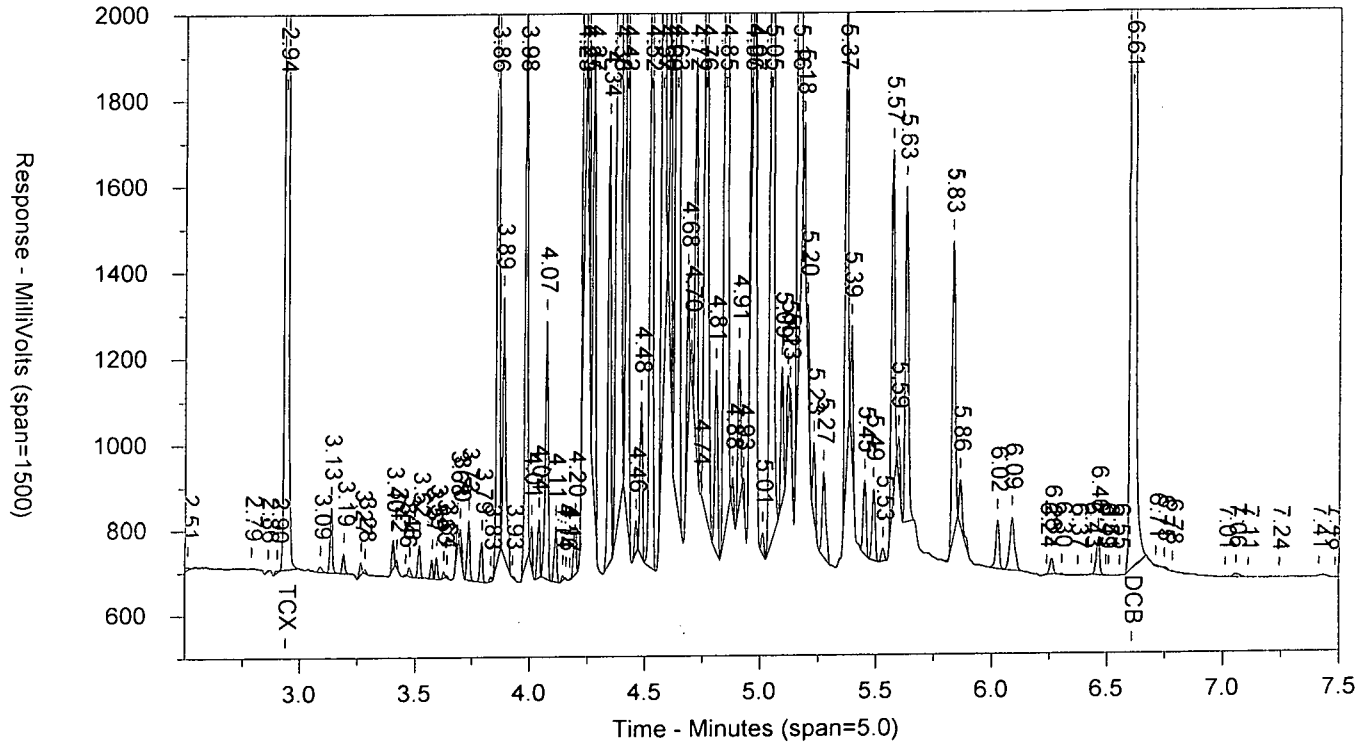

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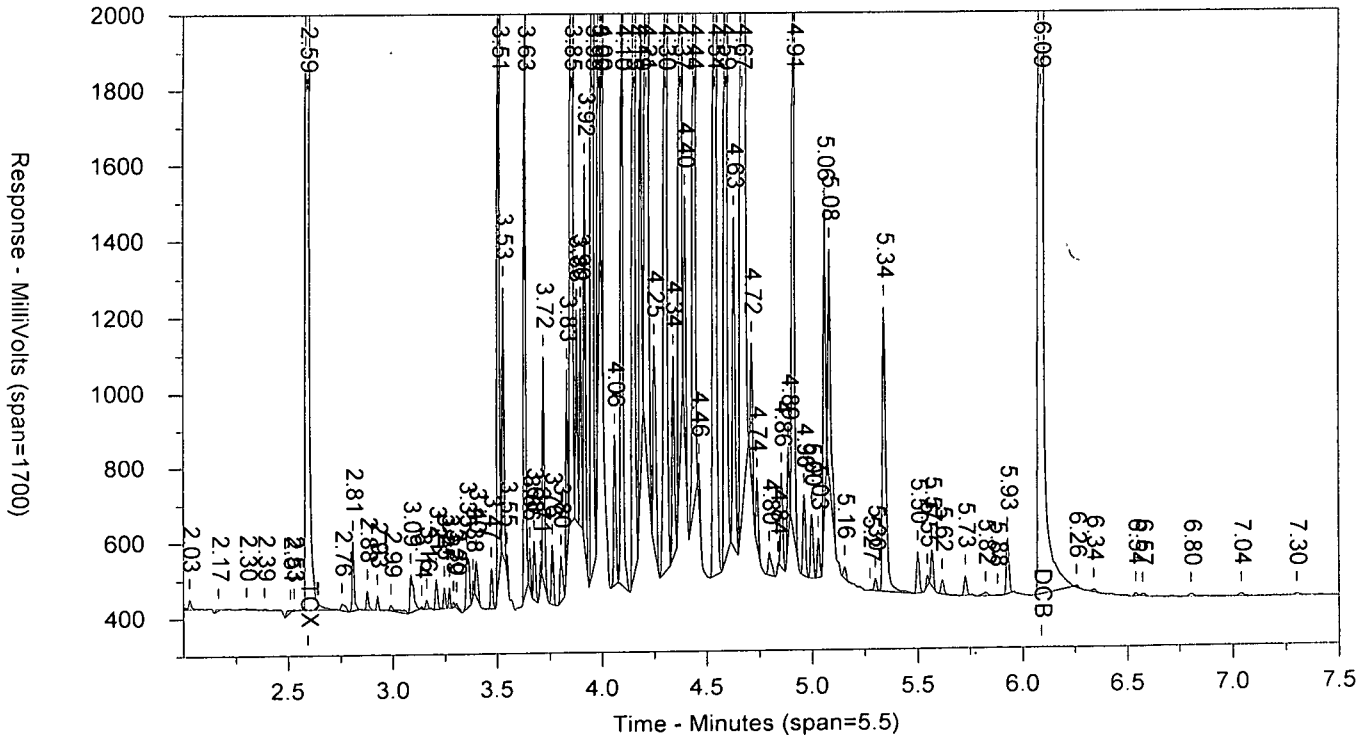

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:31:11 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: 07pcbs17282001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.546		18757	22397
1.617		23722	93144
1.667		5638	3523
1.713		1924	887
1.918		2898	1444
2.05		26038	47530
2.092		7707	9811
2.169		2041	1485
2.235		94012	73328
2.343		38065	37236
2.5		19414	19935
2.525		14547	12834
2.544		12215	15361
2.576		5081	4089
2.866		18660	28861
2.905		7078	10227
2.937	TCX	22262190	14368990
3.035		7868	4916
3.087		25871	25597
3.134		292239	203785
3.189		89581	66100
3.265		60608	38748
3.283		16202	10666
3.404		125232	79340
3.42		33210	17162
3.457		8111	4237
3.475		41468	30664
3.518		143990	108869
3.574		83906	51834
3.595		97961	66325
3.627		28351	15615
3.641		12508	5857
3.684		119617	65008
3.695		74429	61601
3.733		262216	209172
3.791		180239	137506
3.833		25010	15449
3.859		3975919	2865618
3.885		1059167	982388
3.982		2457446	1858755
4.006		169087	102207
4.038		259626	188007
4.071		1170385	974072
4.111		237185	193123
4.143		23625	14068
4.157		7259	3512
4.174		3813	1084
4.195		230337	174039
4.23		6580588	4425415
4.249		2576353	1485347
4.274		1978384	1584425
4.342		1917808	1577444
4.384		10566780	10740750

RT A	Compound A	Height A	Area A
4.419		4102453	3131760
4.459		152568	99299
4.481		668598	514332
4.522		3685458	3149260
4.573		7294188	5904935
4.604		1733130	1149370
4.634		14516800	12452100
4.683		694483	476472
4.698		175396	75686
4.718		1709016	1267448
4.739		6082	1773
4.759		4073909	3900342
4.806		788422	715016
4.846		8265999	7472353
4.877		142974	90754
4.906		688341	556864
4.925		127974	66974
4.958		2249283	1680409
4.97		398813	317158
5.008		93207	73638
5.045		5208296	5289411
5.091		615705	477763
5.116		253405	181883
5.127		126070	92251
5.162		8285005	7147956
5.185		507262	267624
5.202		324457	185039
5.228		309065	238851
5.27		377172	412540
5.368		2282835	1885113
5.39		567313	389233
5.421		15669	7951
5.448		335778	294054
5.487		314221	297035
5.527		66354	60030
5.568		1564908	1508359
5.594		198042	135354
5.628		1365595	1330998
5.663		23757	16646
5.713		4508	1688
5.833		1258705	1209814
5.862		222697	208237
5.945		3950	3439
6.023		218585	219130
6.085		235948	347789
6.258		82490	95554
6.3		4359	3294
6.342		2071	710
6.357		1767	567
6.432		1882	1539
6.457		172069	168825
6.56		2094	1567
6.604	DCB	13930930	14074610
6.949		2188	1265
7.05		11166	17046
7.211		1656	535
7.276		1338	540
7.304		1657	943
7.335		1163	524
7.397		1230	416
7.421		1662	1784
7.481		2340	526
7.688		1962	525
7.743		1567	612
7.83		1365	531
8.05		1847	433

RT A	Compound A	Height A	Area A
8.106		1015	1074
8.339		1173	1180
8.354		1466	623
8.413		1424	413
8.428		1627	769
8.516		1312	896
8.568		1611	1723

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:31:11 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: 07pcbs17282001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.725		4141	2031
1.773		9675	15131
1.842		8233	42857
1.905		132410	131499
1.967		6599	12827
2.031		48599	38118
2.126		6596	9025
2.162		6375	6845
2.3		2586	4595
2.387		4039	3977
2.51		6370	15230
2.527		4760	2675
2.592	TCX	27293590	17833000
2.766		30108	41716
2.81		363348	247207
2.877		108209	80903
2.926		78079	46436
2.99		26091	22032
3.053		5092	5566
3.085		206230	235796
3.136		14277	8116
3.16		48279	35438
3.182		6782	3342
3.206		163030	128163
3.246		112153	76590
3.27		104720	57852
3.29		33424	16162
3.305		22767	13359
3.354		300994	308849
3.384		93354	43311
3.399		190623	151545
3.473		209312	142234
3.507		4841419	2904024
3.53		1357811	781405
3.548		119210	50775
3.566		17439	12761
3.633		2940884	1869149
3.656		206998	102034
3.677		288150	198117
3.706		107628	51122
3.722		1109932	674928
3.762		286758	199125
3.803		224252	187166
3.832		898792	500870
3.855		11443500	7515336
3.879		1081924	582022
3.899		1066598	577923
3.919		1900952	1184227
3.954		10416900	6986160
3.985		3655827	2227370
4.001		2087437	1049211
4.062		744737	531309
4.097		3474470	2608437
4.153		8744256	6391690

4.186		2411465	1743332
4.213		15489890	11605740
4.252		1009963	953748
4.305		7060870	5919180
4.342		1024417	766740
4.374		9365218	6616770
4.397		1302090	822950
4.441		6015206	4490343
4.464		223233	117063
4.539		4908448	5445414
4.591		7507175	6118637
4.631		1805914	1470747
4.67		11493930	11243110
4.716		766032	487558
4.74		350736	236048
4.798		133121	145940
4.839		30980	17145
4.857		539653	423210
4.889		562722	359457
4.912		3867601	3041274
4.963		471505	393505
4.998		413257	328604
5.03		250231	198083
5.061		1996686	1443465
5.084		1410176	1293256
5.124		27361	15237
5.155		71002	60698
5.221		6552	7352
5.275		6127	3817
5.3		69890	58106
5.342		1676272	1876016
5.44		5894	6660
5.5		209817	194199
5.547		60074	42162
5.569		190925	143664
5.618		70655	68318
5.727		93273	83824
5.759		4832	3321
5.825		8573	15242
5.877		3744	3495
5.927		247585	213353
5.957		4732	2438
6.086	DCB	23039070	21884070
6.258		8567	8808
6.402		1960	992
6.537		18244	15570
6.571		3385	2410
6.708		2785	3506
6.807		5410	8447
7.034		5322	7427
7.189		1283	1572
7.302		3236	3828
7.597		3407	5924
8.167		9323	17315

AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082

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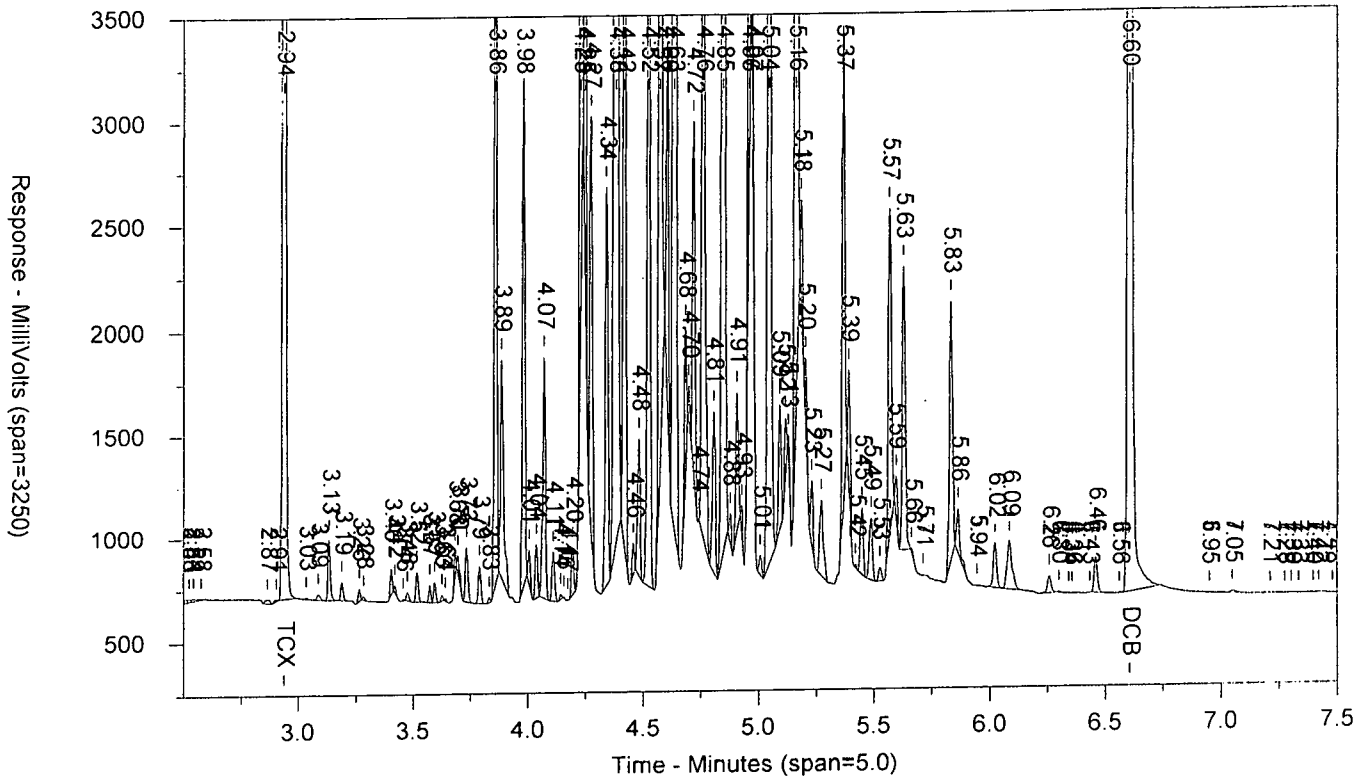

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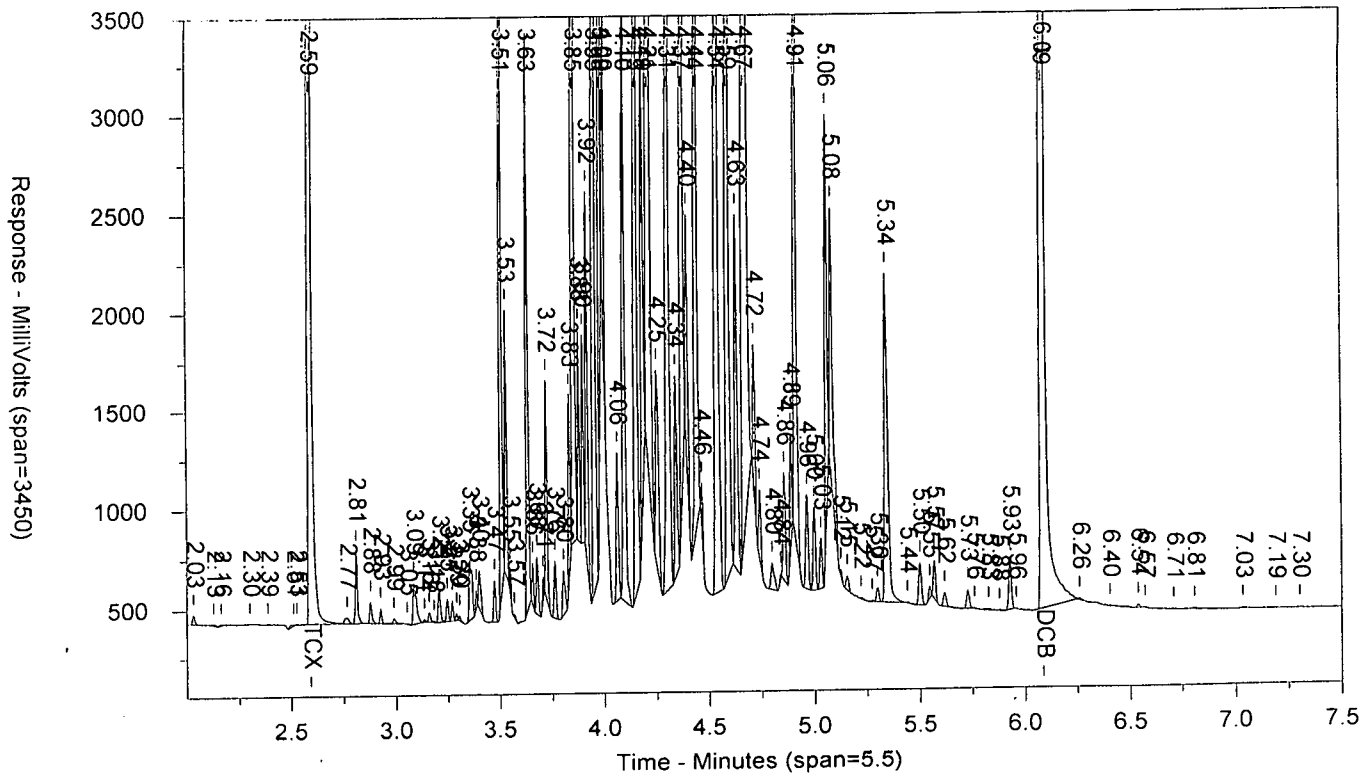

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:31:11 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
2.937	22262190	79.02	TCX	2.592	27293590	85.476	TCX
6.604	13930930	72.673	DCB	6.086	23039070	73.376	DCB

Files:
Area File: 07pcbs17282001.0024.RAW
Area File: 07pcbs17282001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 11:39:54 PM
File Reported On: 10/9/2017 at 11:40:09 PM

AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082

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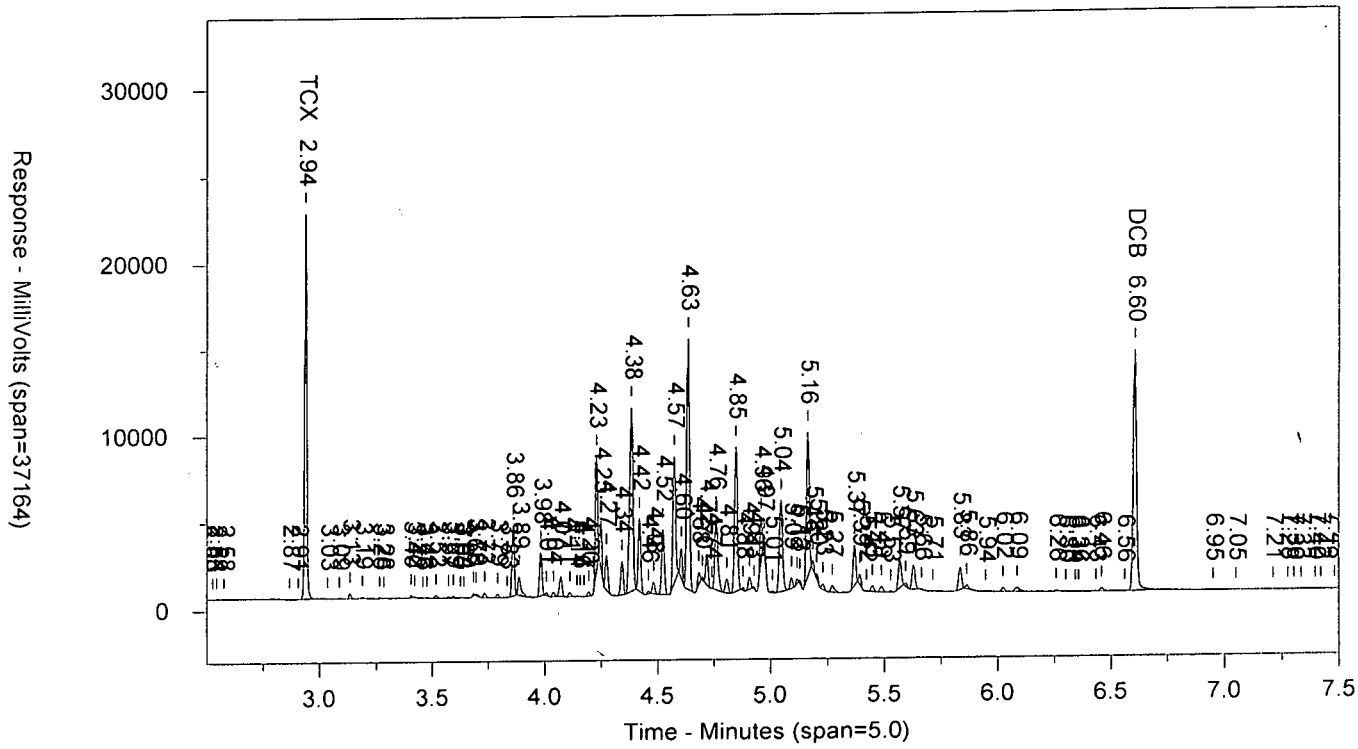

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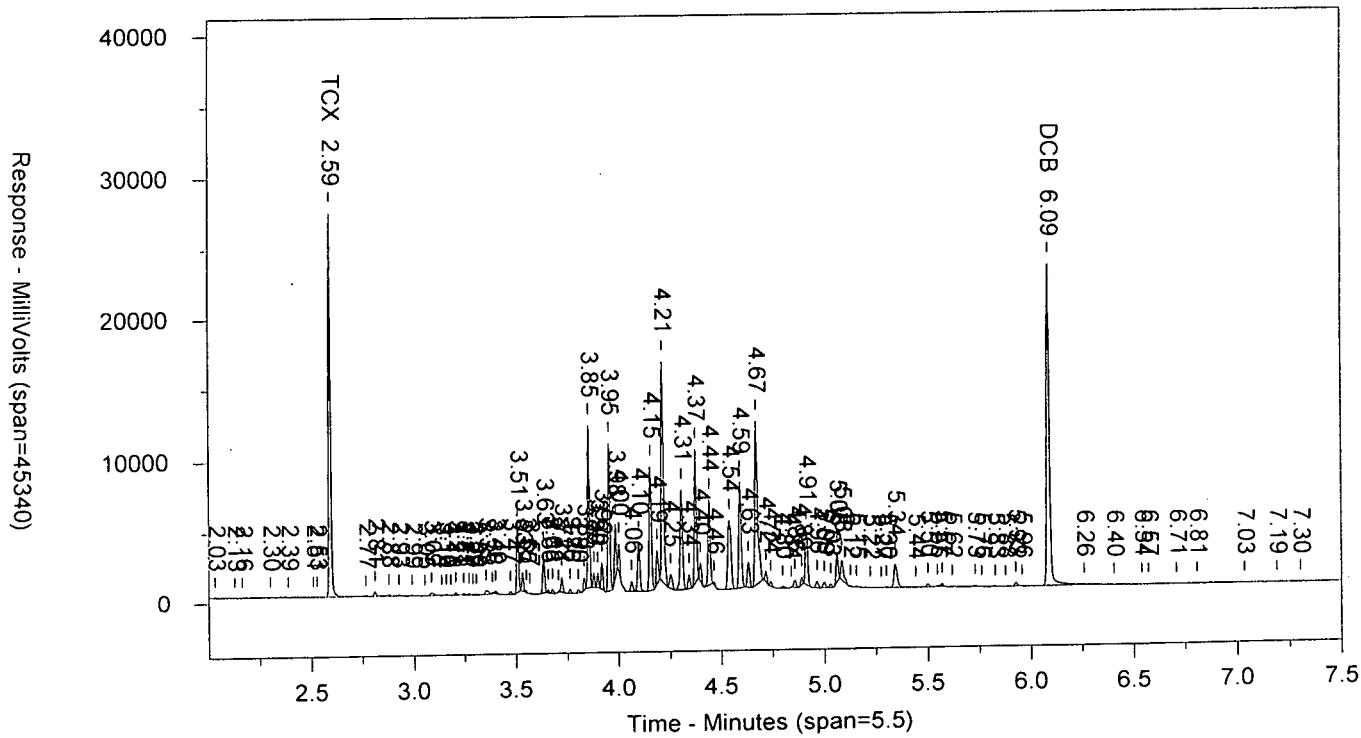

AR5461724B AAAR546AA ICAL 1728199999 10736 SW-846 8082

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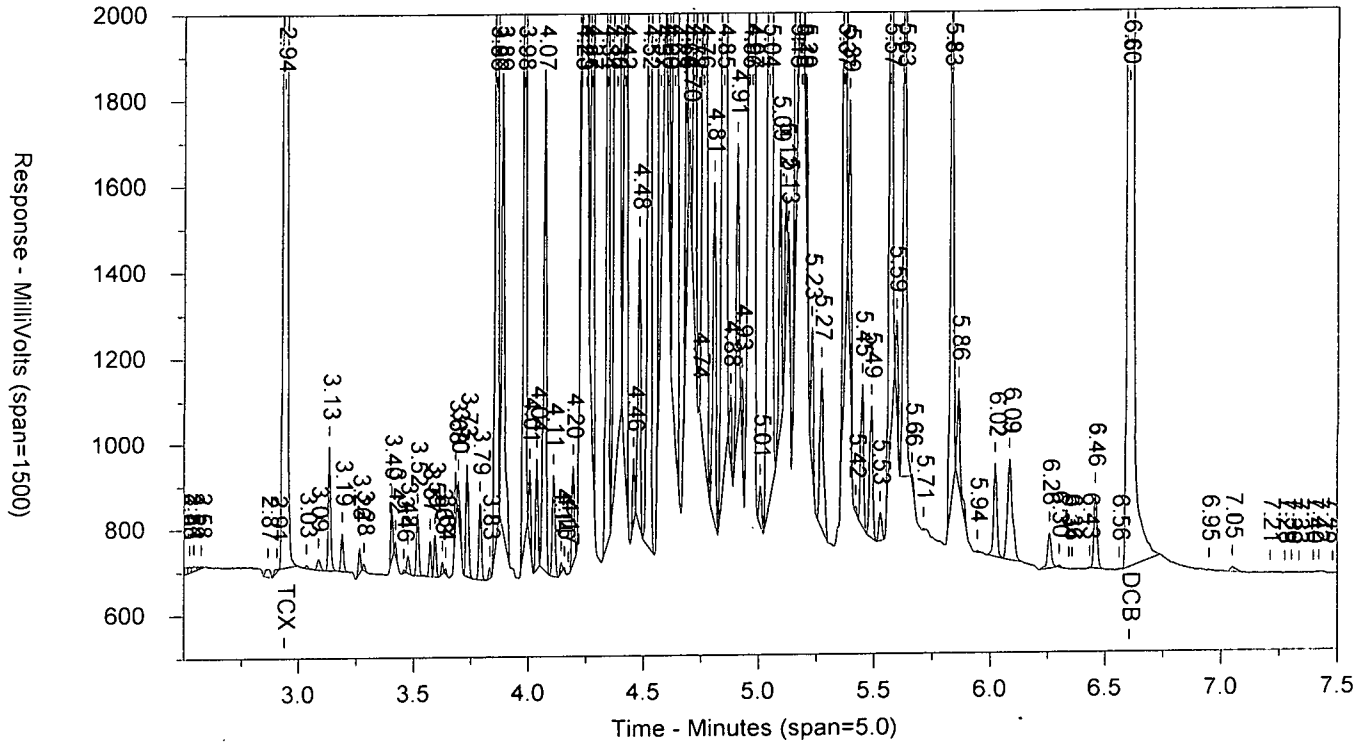

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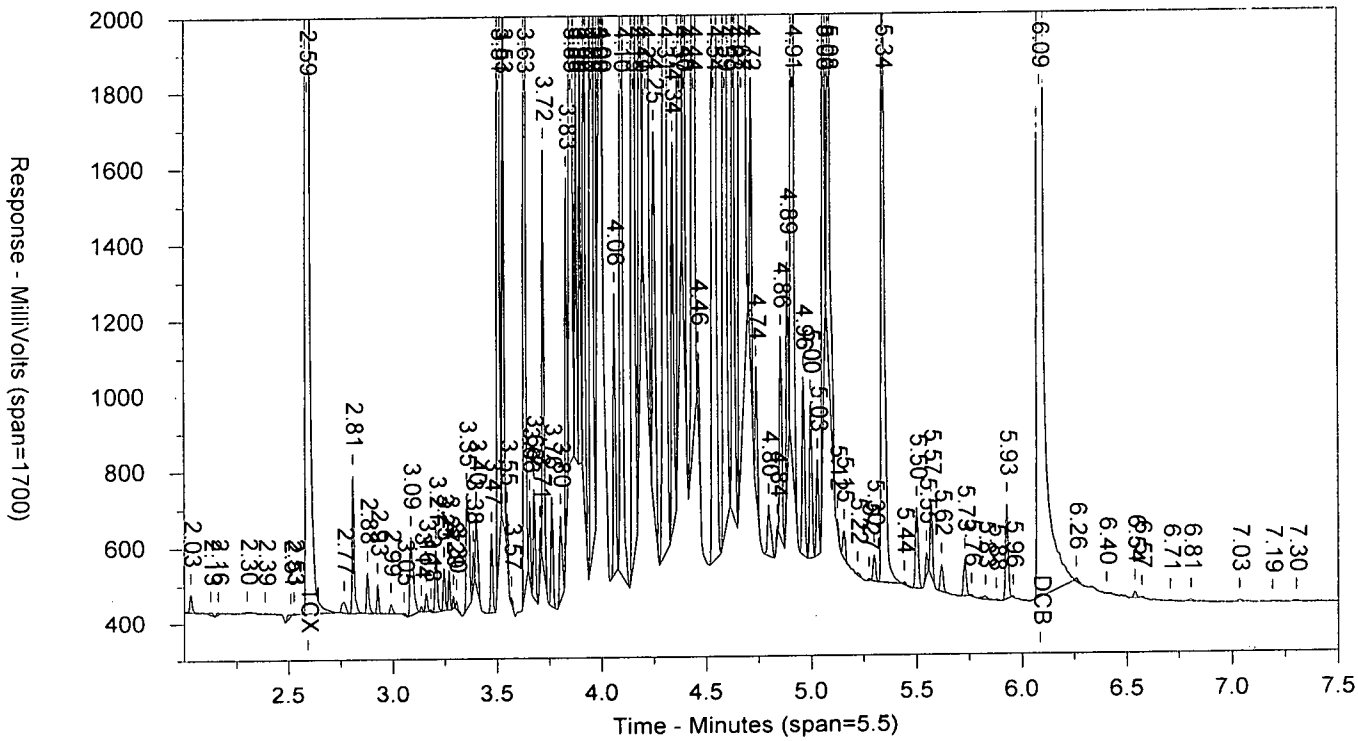

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:42:46 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: 07pcbs17282001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.618		8974	66720
1.795		1827	1580
1.913		2586	1790
2.053		36431	58041
2.088		23284	32091
2.108		13901	15094
2.124		8047	5973
2.275		9387	7474
2.334		32248	22291
2.499		10703	12508
2.594		6942	4610
2.685		5755	3575
2.787		12077	8482
2.85		12420	5127
2.866		18327	22929
2.911		16165	26828
2.937	TCX	11389	8158
3.085		4435	4887
3.143		5701	3359
3.189		29843	19775
3.282		8599	24118
3.403		36860	20937
3.42		16320	8538
3.456		4001	2522
3.518		43872	34107
3.597		16836	14576
3.627		8342	4862
3.641		5206	2851
3.684		23071	11951
3.695		39649	19444
3.732		57446	40621
3.791		46215	33435
3.82		14805	11059
3.859		52355	37270
3.888		50091	60360
3.926		14942	17150
3.96		1070	263
3.984		50674	42057
4.006		6785	3476
4.037		11315	8250
4.07		40214	41889
4.11		10962	7641
4.148		1363	442
4.174		7125	4301
4.195		10053	5602
4.23		279533	213386
4.251		33424	18296
4.274		46229	40391
4.343		10987	6930
4.358		54695	31363
4.385		353959	307895
4.418		32778	23768
4.461		15022	11048

RT A	Compound A	Height A	Area A
4.487		48137	38954
4.521		97059	88981
4.573		25639	14291
4.591		229009	182568
4.634		181741	163859
4.683		1098479	1100650
4.72		163782	122323
4.759		1552034	1467147
4.803		20643	16884
4.845		112457	114343
4.88		10200	6618
4.906		194537	191707
4.958		1486193	1652044
5.009		697240	663493
5.049		497685	408562
5.066		45016	30611
5.091		57571	39822
5.129		75559	66794
5.162		1515353	1496191
5.205		28848	13256
-5.229		2600062	2366246
5.272		1091071	1070127
5.317		11529	14054
5.364		424197	343115
-5.391		1844655	1912130
5.448		846888	756516
5.486		344951	436576
5.533		106216	111093
5.573		431484	443143
-5.628		4850767	5655583
5.774		3911	2529
-5.833		3851332	3695247
- 5.89		1989390	2997033
5.952		6899	7081
6.024		228503	218521
6.104		908429	1153200
- 6.26		1979375	2037298
6.303		103844	97464
6.46		710687	749103
6.607	DCB	26130	24525
6.662		1832	604
6.758		1947	2637
6.929		1602	1020
6.991		1426	550
7.002		1386	421
7.098		1602	354
7.129		1792	944
7.138		1435	446
7.221		2768	662
7.287		1784	778
7.309		1814	488
7.384		1622	973
7.858		1164	817
7.952		1057	309
7.99		1687	734
8.08		1502	360
8.145		1603	990
8.182		1452	857
8.279		1722	752
8.378		1089	330
8.397		1520	370
8.53		1355	733
8.579		1414	1066
8.658		1874	492
8.687		1995	597

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:42:46 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: 07pcbs17282001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.723		3235	1678
1.813		10354	20657
1.858		12242	23110
1.9		48705	50154
1.964		9085	23565
2.052		12272	14463
2.158		6996	7145
2.298		2192	1528
2.32		6536	7245
2.389		9854	95864
2.506		15300	20050
2.527		23942	17362
2.592	TCX	12270	8082
2.623		9326	8004
2.764		9465	11450
2.801		4907	4780
2.825		7725	4881
2.877		40958	25183
2.902		9081	5201
2.962		6693	4411
2.989		7335	36079
3.084		69527	79423
3.135		5908	3281
3.163		5659	4703
3.206		55863	38862
3.245		10911	9418
3.289		12694	6617
3.304		14629	13621
3.354		22588	11985
3.363		47918	19614
3.397		57436	53464
3.431		2475	1326
3.471		55442	42691
3.506		61510	32683
3.53		62956	41960
3.56		25035	18991
3.59		19683	13560
3.632		59215	37308
3.654		29074	15917
3.676		11629	6408
3.704		16805	8816
3.721		34468	20634
3.761		15834	11093
3.808		20076	18478
3.833		8017	4627
3.853		391271	256743
3.878		37526	21673
3.897		8816	4341
3.917		48199	31339
3.952		411799	290798
3.985		48099	28734
4.011		113556	87042
4.048		69968	65015
4.086		62338	59771

4.152		92062	65644
4.193		304680	200096
4.226		1220275	921810
4.251		317626	316475
4.303		2101783	1593523
4.344		25440	24059
4.373		69584	43704
4.397		312386	237535
4.44		2468636	1936830
4.541		2225273	2002360
4.594		397588	325434
4.634		758621	603468
4.668		1347484	1176061
4.701		3346234	2654040
4.739		1697423	1351919
4.837		743276	625068
4.889		3385326	3001840
4.962		1372953	1317437
4.998		415712	331008
5.029		401181	326000
5.083		6816421	6040787
5.123		66929	46628
5.155		453037	370154
5.276		117902	72311
5.299		2826355	2403497
5.347		4663740	4999112
5.5		226984	204249
5.547		24085	16340
5.568		138182	111783
5.618		1074323	1005329
5.727		2621786	2373141
5.758		103409	71538
5.928		1091907	1100263
6.087	DCB	39657	37081
6.119		3767	4511
6.263		3315	2418
6.524		1487	2052
8.17		8062	13357

AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082

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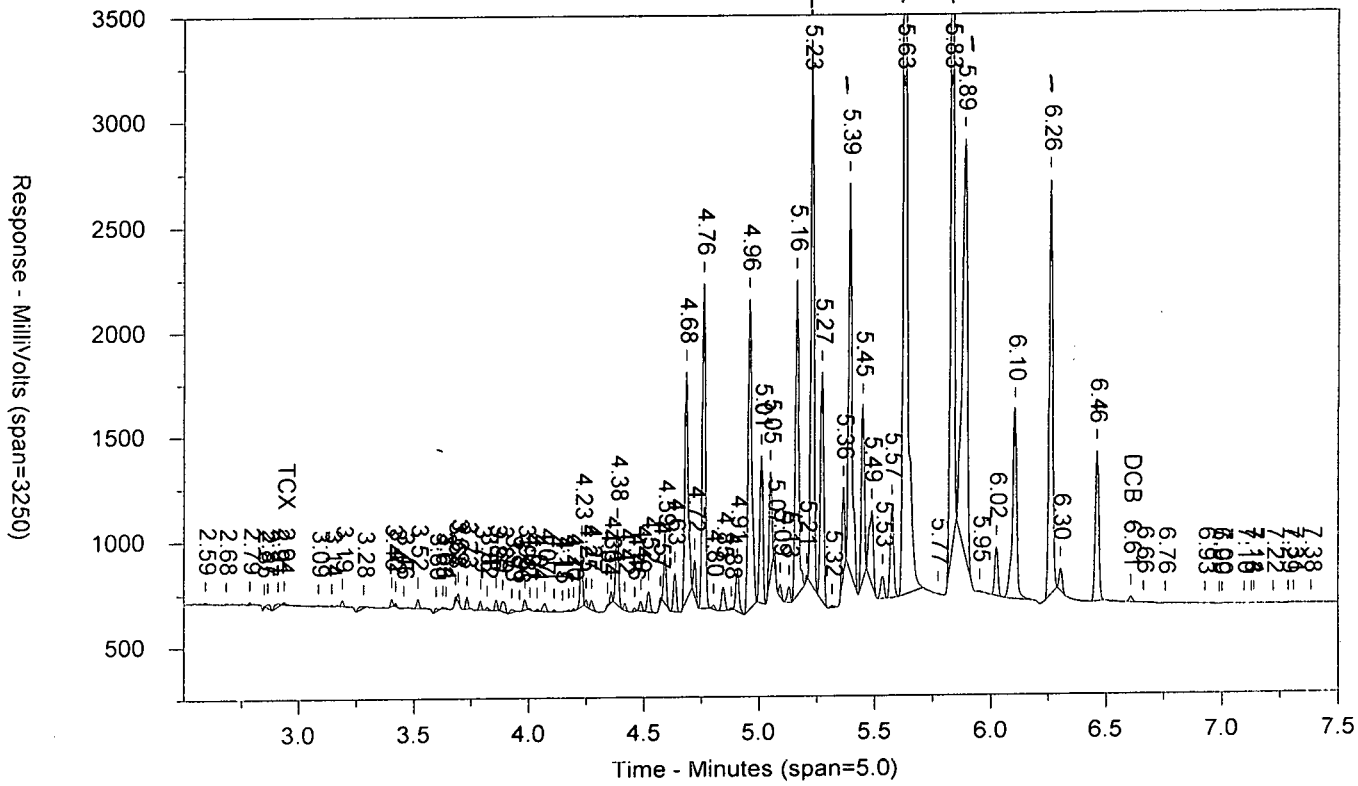

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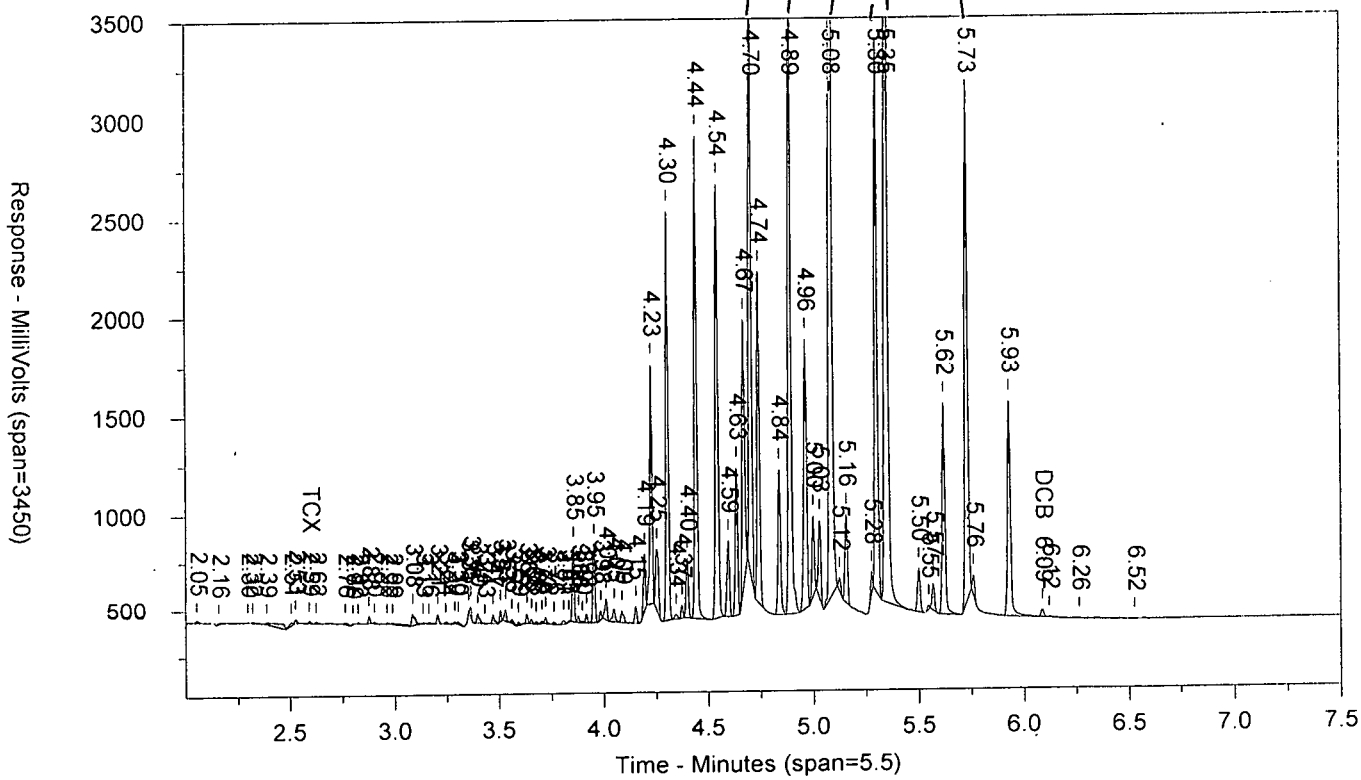

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:42:46 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
2.937	11389	.04	TCX	2.592	12270	.038	TCX
6.607	26130	.136	DCB	6.087	39657	.126	DCB

Files:
Area File: 07pcbs17282001.0025.RAW
Area File: 07pcbs17282001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/9/2017 11:51:30 PM
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AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082

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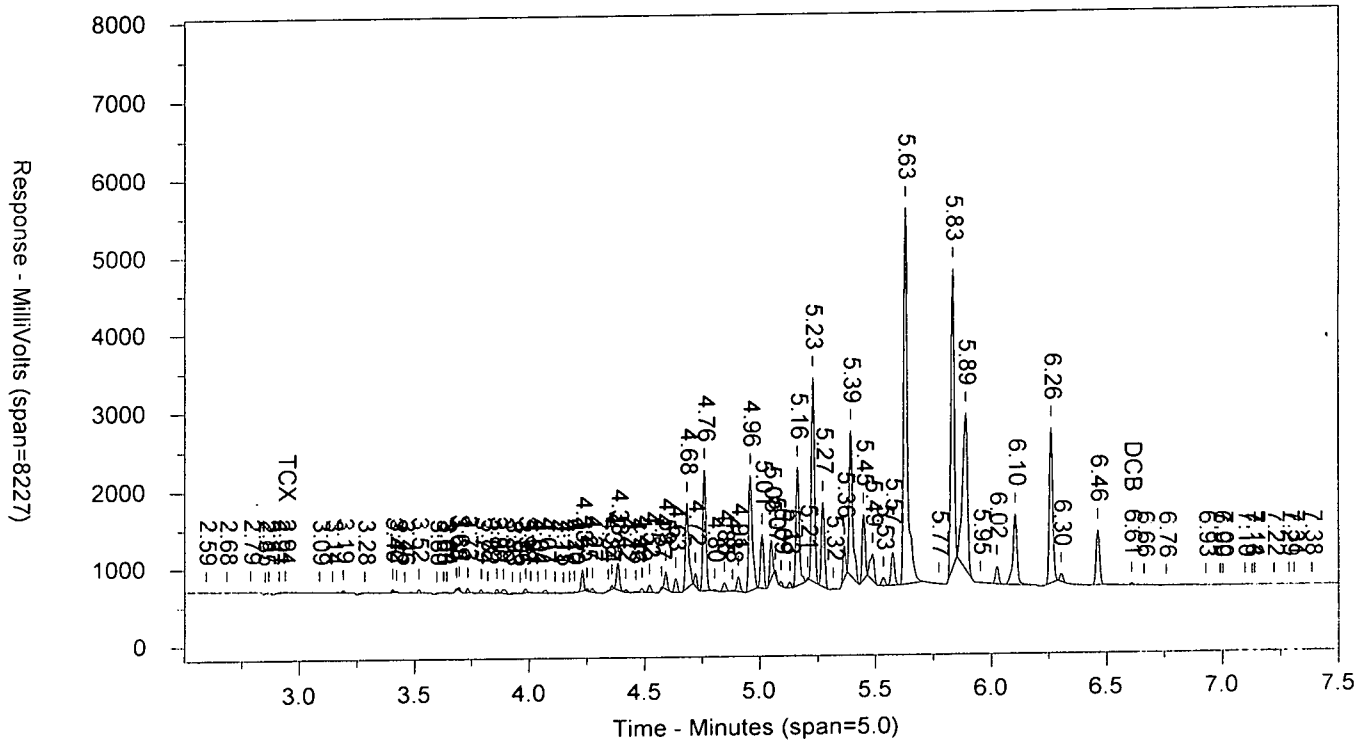

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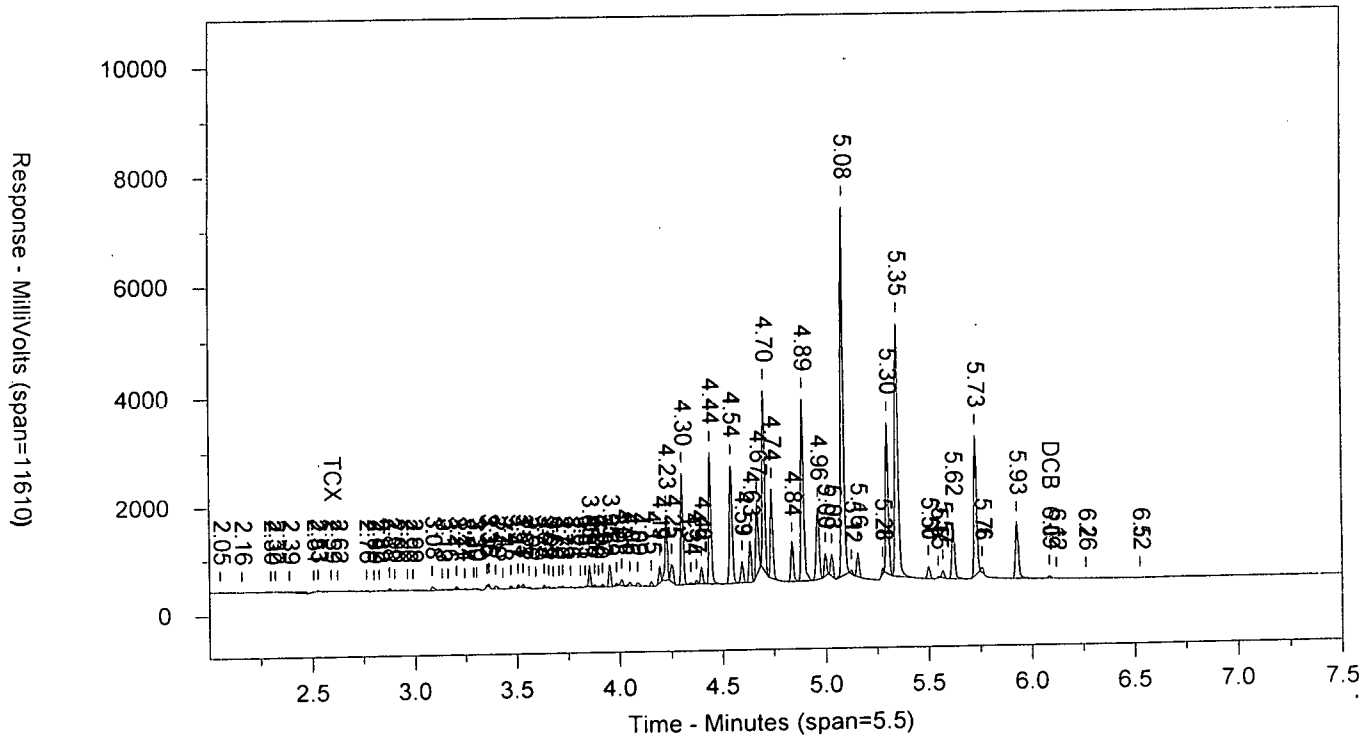

AR6231724A AAAR623AA ICAL 1728199999 10736 SW-846 8082

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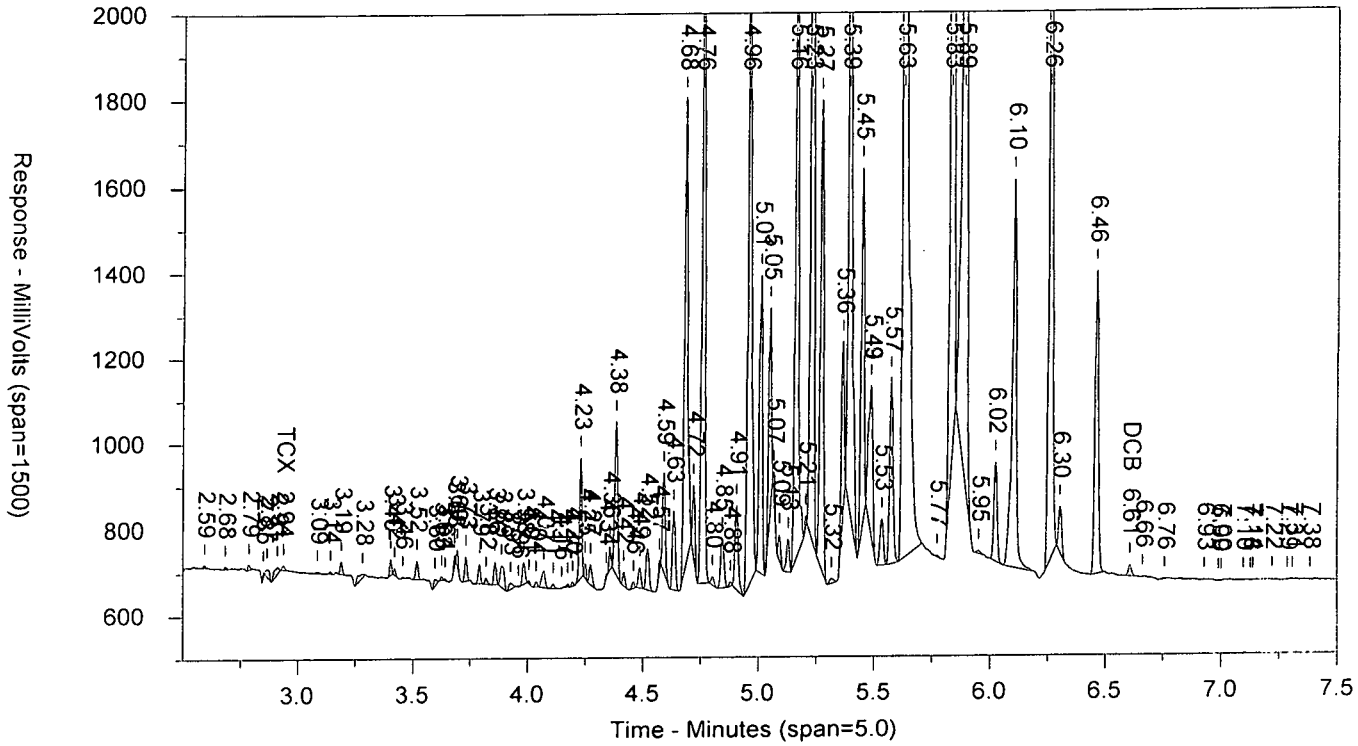

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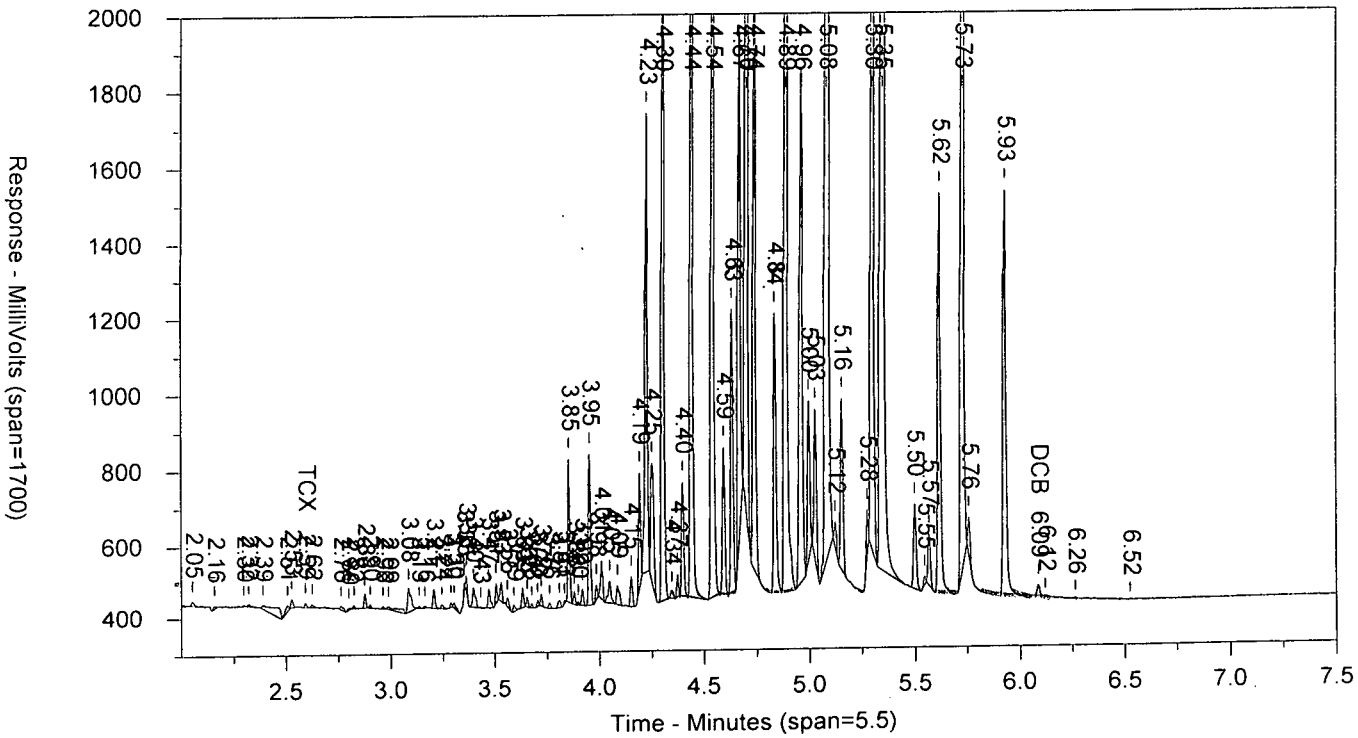

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:54:04 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: 07pcbs17282001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.616		8244	57190
1.914		2641	1998
2.06		5482	23659
2.126		2321	1148
2.252		2086	1546
2.333		40730	28240
2.498		10805	12342
2.787		11975	8891
2.849		79585	39651
2.868		13018	13615
2.901		9495	9799
2.939	TCX	2634	1335
3.189		3432	1705
3.263		8418	7303
3.402		7633	4116
3.518		9180	8036
3.605		6392	8812
3.683		8005	4967
3.695		10755	4750
3.733		15193	13174
3.791		13154	11458
3.859		14417	9984
3.885		14495	19278
3.925		2744	2091
3.982		17996	12125
4.007		5730	3812
4.037		6539	4542
4.07		19023	19060
4.11		6542	4791
4.174		8345	6317
4.195		2344	750
4.226		32969	35833
4.251		29234	19611
4.273		30992	30009
4.376		22989	18041
4.396		8000	4297
4.452		1799	307
4.476		5806	3983
4.52		42972	41751
4.572		20071	16489
4.605		11539	11022
4.635		17872	15355
4.683		9956	8885
4.719		10731	9042
4.761		13523	11289
4.804		17557	16239
4.845		21762	20267
4.882		32347	26943
4.903		3318	2597
4.959		25862	32178
5.009		70693	64546
5.044		14697	14237
5.091		3656	3179

RT A	Compound A	Height A	Area A
5.122		10828	10099
5.162		43703	40122
5.204		7631	4788
5.229		982289	951069
5.272		87422	81968
5.317		4147	4435
5.364		51869	41514
5.41		1274722	1277526
5.449		7941	4459
5.473		386138	385167
5.532		43812	48254
5.572		15571	15007
5.628		477583	418302
5.651		316725	245226
5.731		5979	4368
5.833		7152720	7175060
5.89		6830209	7101200
6.023		6155380	5968031
6.087		1509807	1750416
6.192		6066	6032
6.258		2134740	2224168
6.333		5642	5686
6.459		15823610	15809890
6.605	DCB	2872510	2933079
6.747		4273	5229
6.917		5589	4571
7.017		1957	559
7.188		1496	791
7.369		1417	402
7.527		1896	1209
7.86		1310	809
7.946		1032	396
8.003		1131	1355
8.073		1702	1289
8.131		1488	419
8.139		1812	528
8.194		1352	682
8.238		1367	461
8.313		2270	499
8.342		1456	368
8.388		1521	544
8.427		1470	401
8.536		1042	549
8.579		650	702
8.623		1211	566

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:54:04 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: 07pcbs17282001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.724		5141	2851
1.755		2388	2518
1.797		5507	5514
1.9		55904	42753
1.965		5378	13148
2.134		7608	5264
2.159		5720	6201
2.184		2805	2014
2.207		2259	2850
2.387		4346	4725
2.485		36660	17605
2.511		4966	6143
2.526		28224	26092
2.81		4556	8426
2.879		4623	2766
3.084		20924	37537
3.164		5316	4695
3.206		14212	14263
3.29		2729	1348
3.306		8584	9805
3.354		8108	3524
3.364		11086	4812
3.398		15582	13210
3.472		16845	10858
3.507		18790	11548
3.53		21230	11650
3.564		7840	8269
3.633		27629	32111
3.655		8454	4819
3.678		5780	3702
3.705		5226	2320
3.722		17034	10321
3.763		9546	5793
3.811		16164	12141
3.832		5432	3327
3.855		38951	23898
3.88		30067	18224
3.918		14534	10982
3.953		10020	6687
3.988		26412	19522
4.014		13833	7479
4.05		11621	8151
4.087		31997	21508
4.129		10337	6785
4.153		11950	8544
4.186		5837	4320
4.213		13800	7559
4.306		28761	28633
4.344		25785	20954
4.375		11116	6416
4.396		8381	4445
4.415		42824	28558
4.441		25789	18899
4.542		122916	108723

4.591		28580	24685
4.637		62211	59369
4.671		15010	11185
4.702		1331306	1124985
4.74		104239	81318
4.839		77752	65965
4.888		1895340	1655273
4.954		503539	465104
5.015		16669	9686
5.031		21800	14567
5.084		787615	717492
5.156		484463	436394
5.276		54168	31058
5.3		8048587	7105202
5.348		7909117	7065883
5.5		7312861	6377877
5.569		1793821	1614576
5.618		174924	147517
5.727		2960236	2783600
5.851		12475	13299
5.927		24046400	22019810
6.087	DCB	4859549	4619744
6.26		13708	16592
6.424		13695	11869
6.813		3631	4649
7.035		2859	4268
8.168		9141	14363

AR6831724B AAAR683AA ICAL 1728199999 10736 **SW-846 8082**

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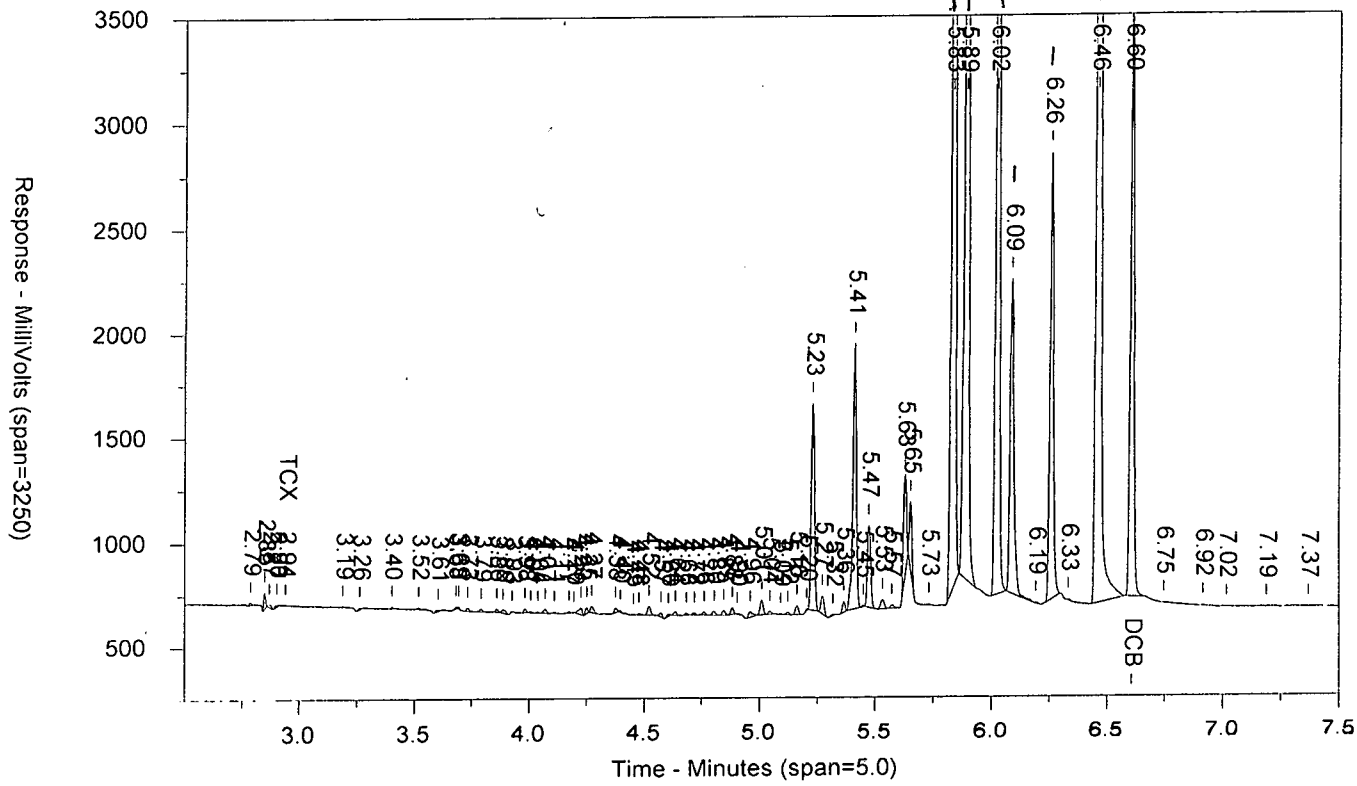

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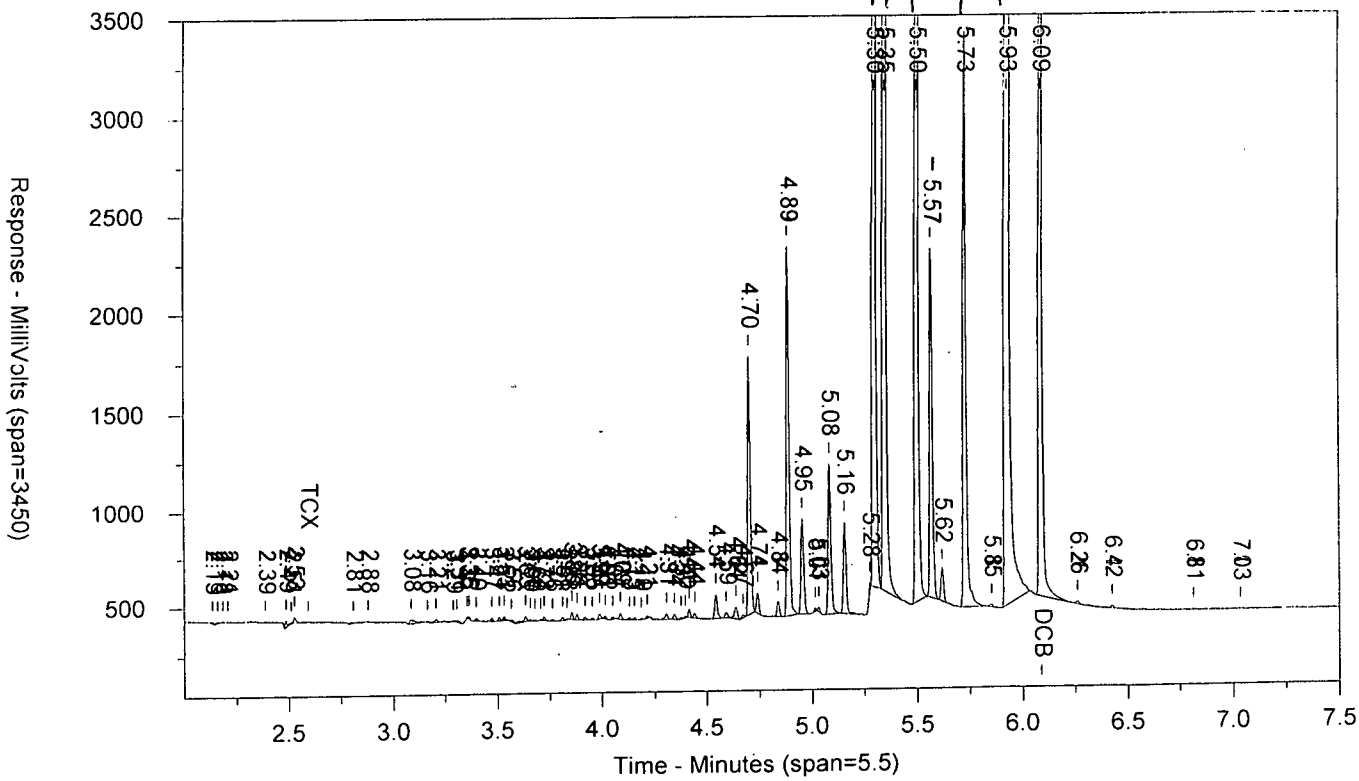

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/9/2017 11:54:04 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
2.939	2634	.009	TCX		0		TCX
6.605	2872510	14.985	DCB	6.087	4859549	15.477	DCB

Files:
Area File: 07pcbs17282001.0026.RAW
Area File: 07pcbs17282001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 12:02:46 AM
File Reported On: 10/10/2017 at 12:02:53 AM

AR6831724B AAAR683AA ICAL 1728199999 10736 SW-846 8082

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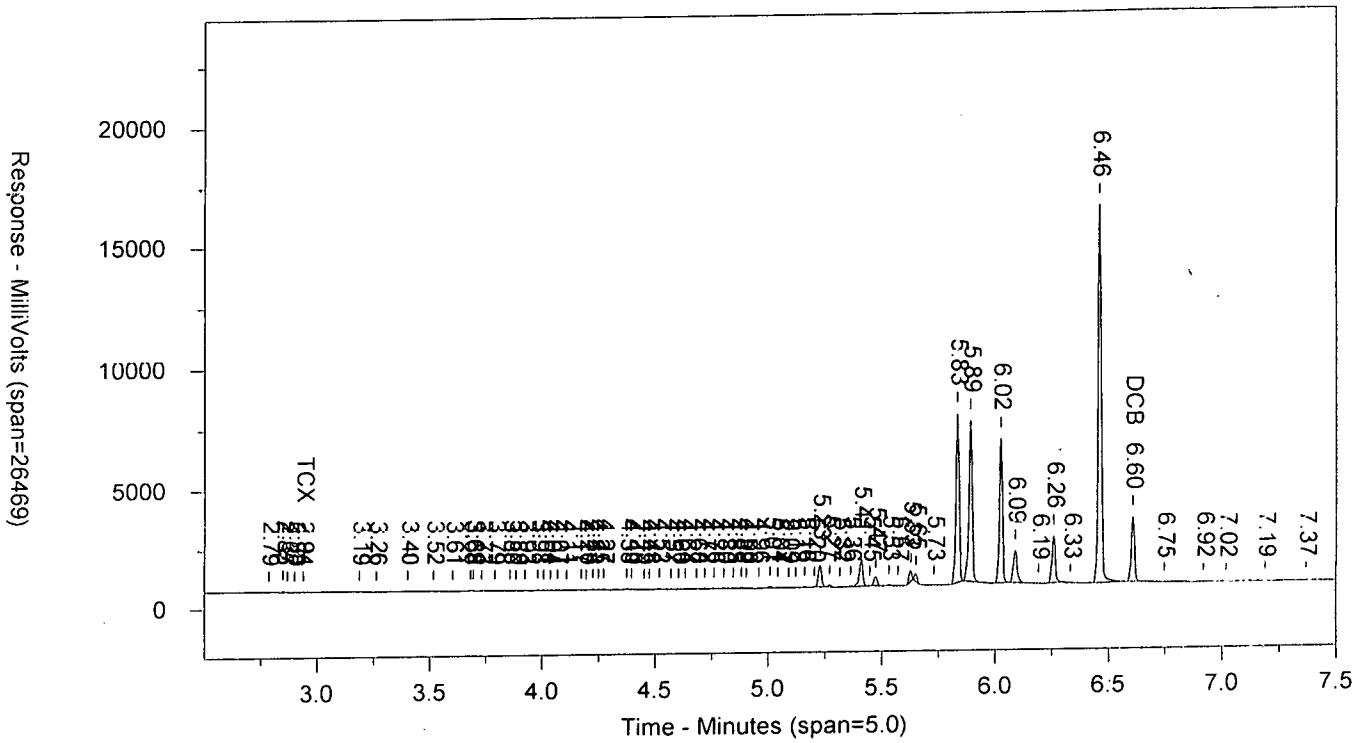

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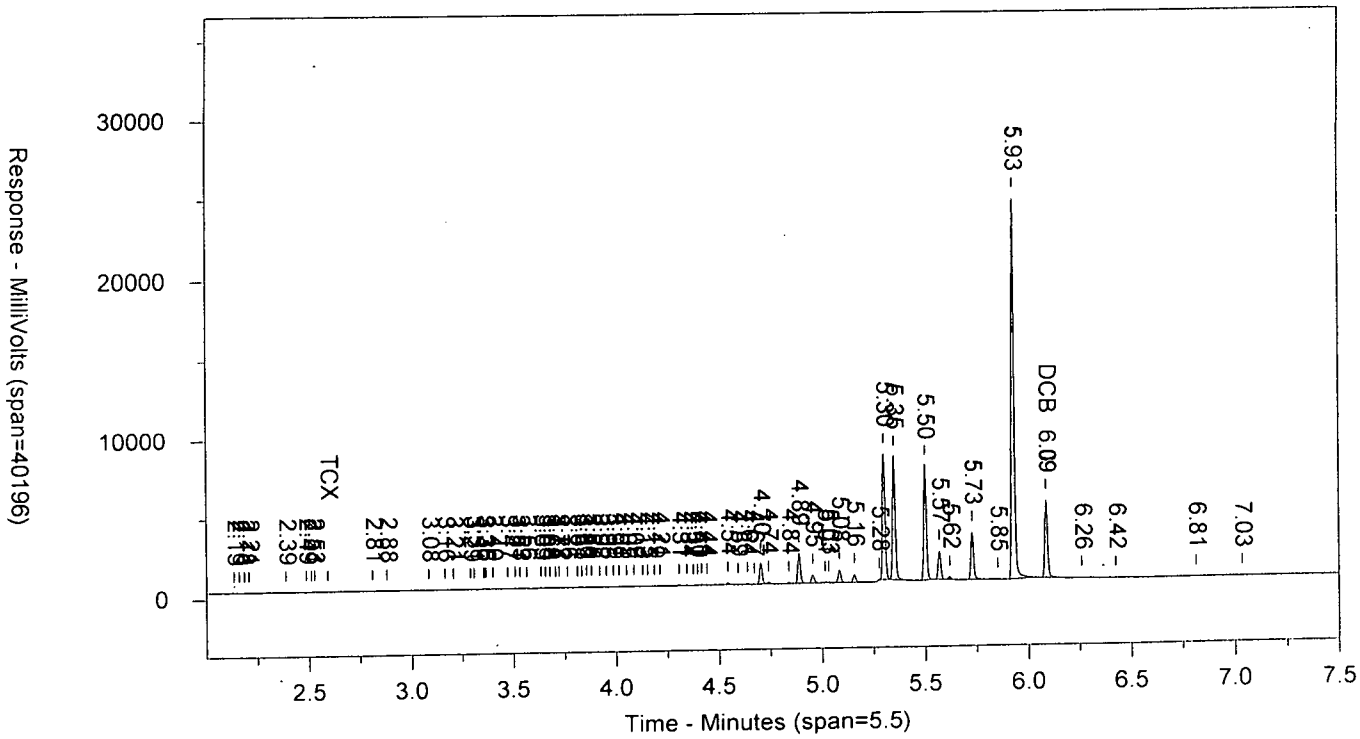

AR6831724B AAAR683AA ICAL 1728199999 10736 SW-846 8082

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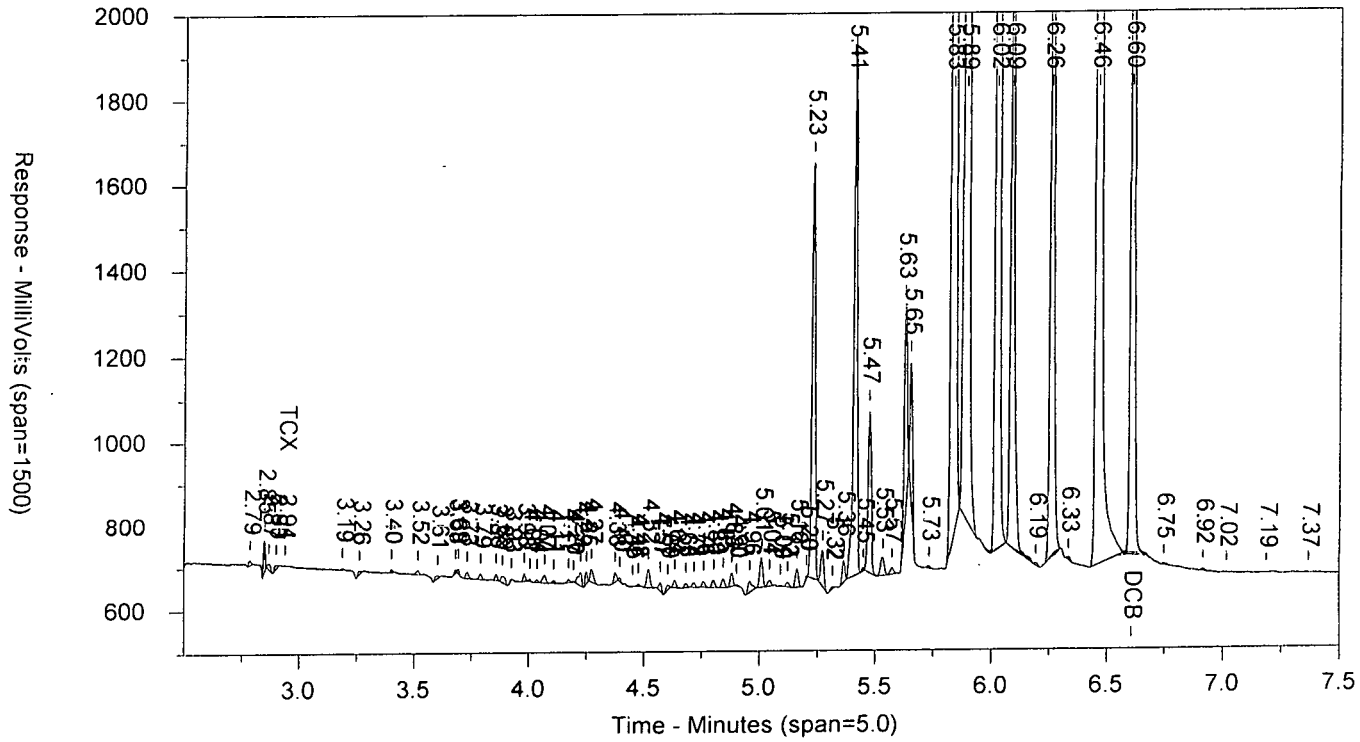

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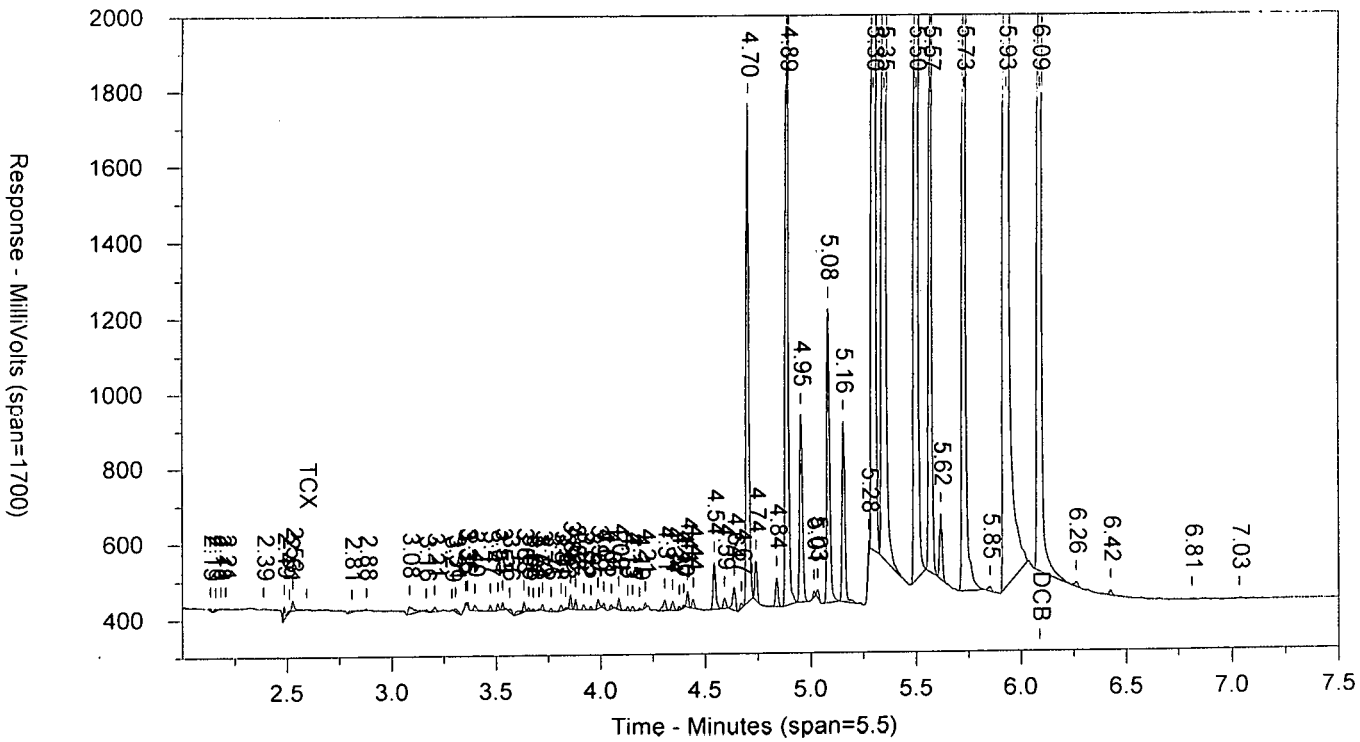

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:05:22 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: 07pcbs17282001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.607		5108	34768
1.743		2426	2526
1.789		1668	1648
2.005		17477	25880
2.056		21897	45944
2.093		5025	11325
2.176		2162	2986
2.234		61632	52282
2.334		31132	34114
2.433		3483	3341
2.52		19307	52057
2.546		17459	16072
2.574		351071	289812
2.784		14618	11857
2.849		102615	96690
2.906		6879	11497
2.937	TCX	11665420	7750093
3.086		485622	411787
3.141		436452	370704
3.188		1361629	978202
3.264		36555	25711
3.282		8512	4609
3.403		73466	41418
3.425		42177	34608
3.456		9759	4355
3.483		189642	124207
3.517		100235	72260
3.573		49330	33150
3.594		9255	4832
3.626		25575	13243
3.64		28205	14301
3.666		5953	3410
3.683		46348	20685
3.694		107056	53417
3.731		131461	95603
3.79		86631	63620
3.858		38549	26536
3.885		23436	24292
3.925		6656	5720
3.943		1111	191
3.981		31702	21844
4.006		10343	7070
4.035		7542	5223
4.071		47854	40414
4.109		7230	4560
4.174		9985	6797
4.228		55156	39171
4.249		33452	20935
4.272		35913	36536
4.341		10241	11963
4.383		59955	74333
4.418		16444	10843
4.454		7248	5310

RT A	Compound A	Height A	Area A
4.485		7567	6392
4.522		21066	20159
4.571		42602	33786
4.605		17996	18200
4.633		64647	55332
4.681		8716	7913
4.717		10000	8000
4.759		22236	21748
4.8		3475	3408
4.846		30424	29588
4.881		8079	6059
4.903		13562	23877
4.959		28770	42794
4.999		5702	5838
5.045		19738	22228
5.092		1909	1093
5.122		16729	15625
5.162		25922	23462
5.229		5184	4364
5.249		1131	358
5.27		10930	12078
5.323		8276	15852
5.369		5655	4936
5.39		1983	544
5.409		2608	716
5.433		1929	1077
5.478		2259	1901
5.528		11264	10364
5.573		2434	2450
5.65		48394	54375
5.832		21303	21375
5.885		16440	36773
5.957		1705	6140
6.023		139596	135253
6.087		132328	142286
6.196		7290	7237
6.257		12745	26922
6.367		1618	990
6.415		2305	481
6.458		119171	120843
6.606	DCB	7713903	7808782
6.813		2222	1438
7.003		1758	2126
7.024		1773	801
7.049		5436	5356
7.111		1830	581
7.468		1255	470
7.58		1891	429
7.629		2337	860
7.918		1127	308
8.039		1237	2063
8.063		1254	1038
8.094		1739	538
8.257		1728	1114
8.285		1400	665
8.392		874	206
8.498		1983	632
8.551		1084	712
8.619		1220	717
8.677		1785	1622

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:05:22 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: 07pcbs17282001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.532		1978	1651
1.655		2259	3270
1.772		7395	13562
1.802		9074	9524
1.845		11307	36064
1.903		106369	114154
1.968		11201	30349
2.03		28773	23382
2.125		7438	10623
2.161		8102	14228
2.225		2475	2869
2.276		467974	365854
2.387		4978	3924
2.486		9525	3681
2.504		12633	12263
2.526		20626	12260
2.549		155233	106701
2.592	TCX	15817480	10205350
2.635		162653	125488
2.764		753518	525353
2.81		150474	68536
2.825		473437	267380
2.877		1791497	1191807
2.926		42062	26785
2.987		14865	9583
3.084		74365	37878
3.096		15166	4564
3.104		33023	13718
3.127		67821	48758
3.156		12436	7705
3.182		227771	137205
3.206		123439	76376
3.242		10946	5765
3.27		69817	38467
3.289		36713	17716
3.304		43072	22284
3.355		43600	21941
3.363		113973	52493
3.398		133911	106956
3.47		110978	74117
3.507		51438	32070
3.53		31226	17409
3.547		7800	3711
3.632		46251	42481
3.654		16920	8874
3.677		8373	4865
3.703		5981	3131
3.722		54123	34686
3.761		9709	6684
3.816		6339	4210
3.831		9641	4509
3.854		99929	65538
3.878		30570	17692
3.897		6126	2944

3.917		23715	16544
3.952		61294	42026
3.985		27531	16616
4.001		11461	12336
4.048		21403	21018
4.095		7873	3758
4.127		5747	5426
4.152		44619	30437
4.184		13352	9891
4.212		80377	60267
4.251		5661	5594
4.304		39631	33284
4.342		7089	7340
4.373		31928	20511
4.397		7365	3994
4.413		8800	5983
4.439		26880	21999
4.495		2360	1940
4.538		24092	36495
4.59		23398	20192
4.638		24970	23402
4.669		41775	39277
4.7		3897	3656
4.739		5220	4273
4.819		2478	3292
4.888		11304	8988
4.912		9001	8858
4.964		5942	6599
4.999		1505	1001
5.033		10966	8397
5.059		2598	1475
5.083		9309	10182
5.155		32801	28174
5.195		4536	6031
5.275		4537	4401
5.299		12102	9653
5.34		8973	8048
5.386		2690	5334
5.499		130564	120782
5.568		129037	121048
5.617		9402	8127
5.726		8255	7339
5.837		1537	3436
5.878		2860	2442
5.927		159272	143573
5.979		2458	1467
6.086	DCB	12618060	12281950
6.537		11958	17462
6.711		1748	1796
6.814		2232	4933
8.168		10427	19216

AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082

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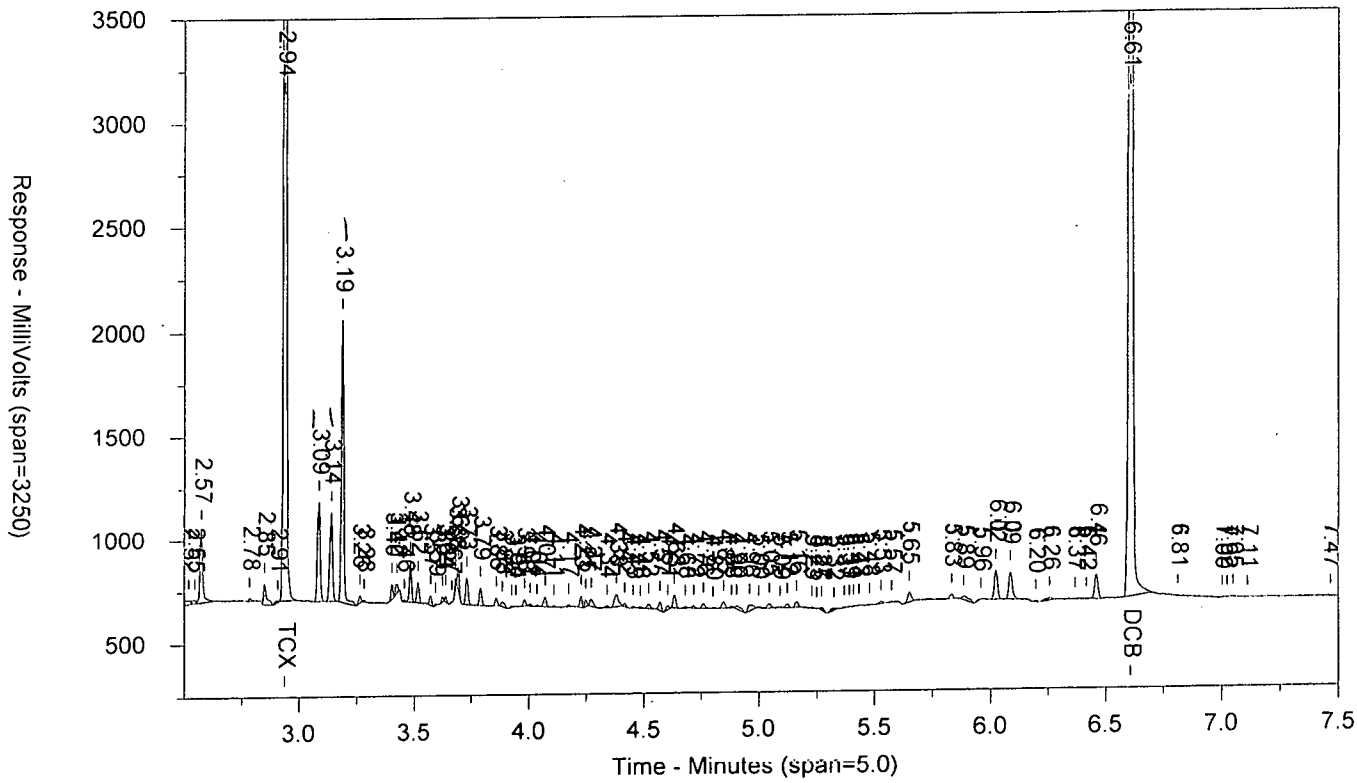

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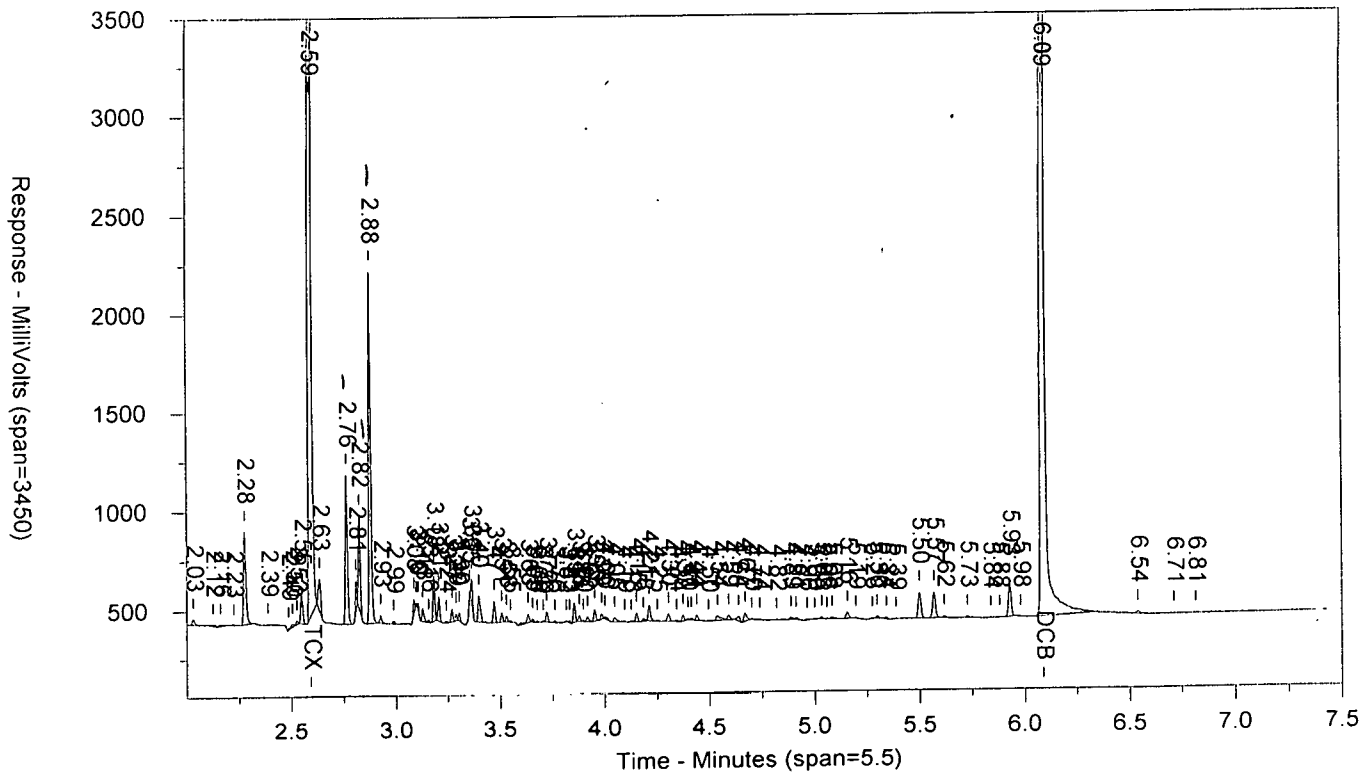

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:05:22 AM
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
2.937	11665420	41.406	TCX	2.592	15817480	49.536	TCX
6.606	7713903	40.241	DCB	6.086	12618060	40.186	DCB

Files:
Area File: 07pcbs17282001.0027.RAW
Area File: 07pcbs17282001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 12:14:05 AM
File Reported On: 10/10/2017 at 12:14:15 AM

AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082

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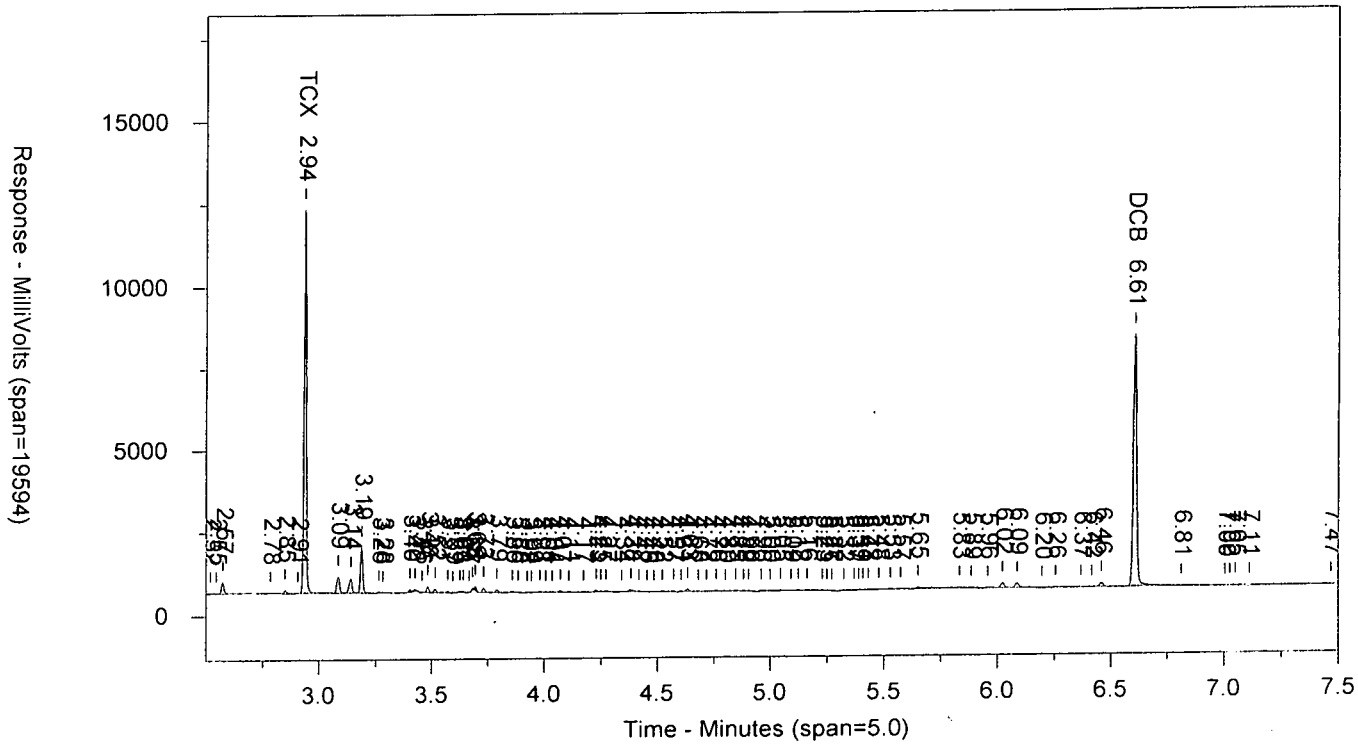

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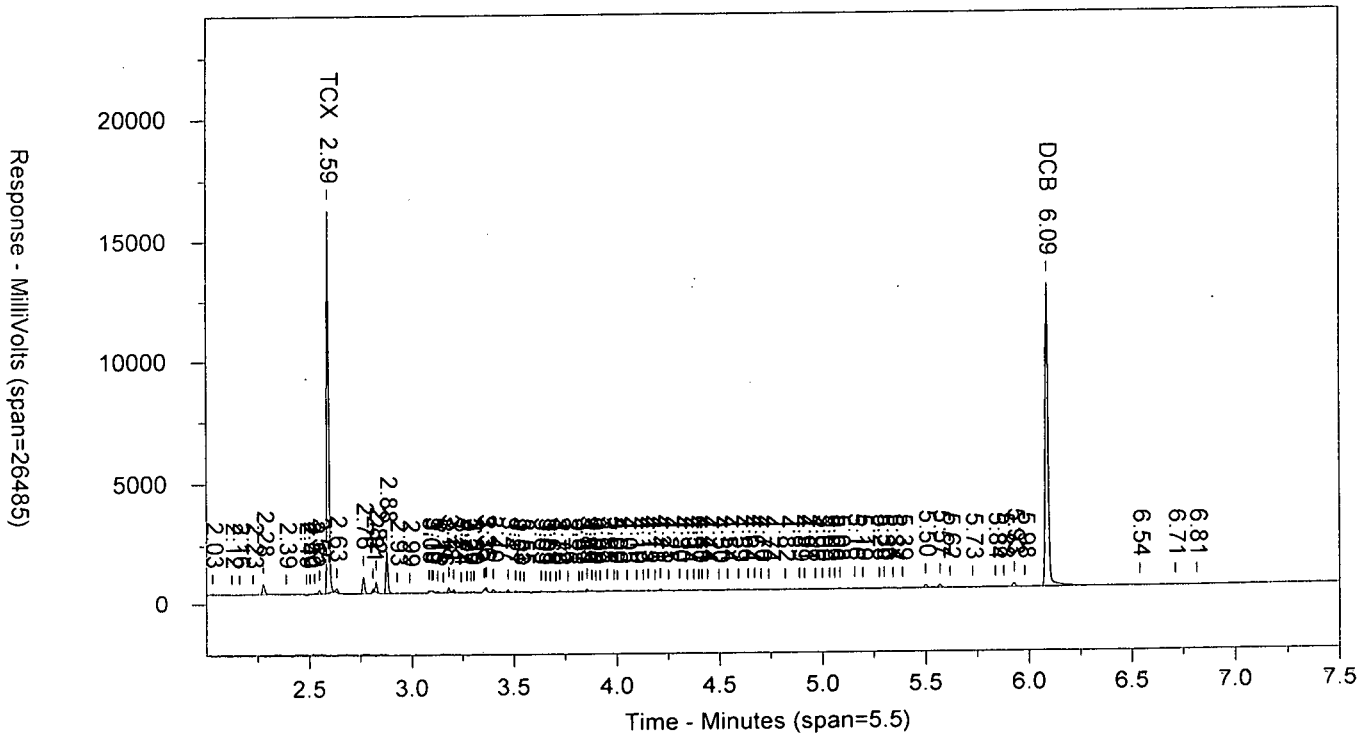

AR2131724A AAAR213AA ICAL 1728199999 10736 SW-846 8082

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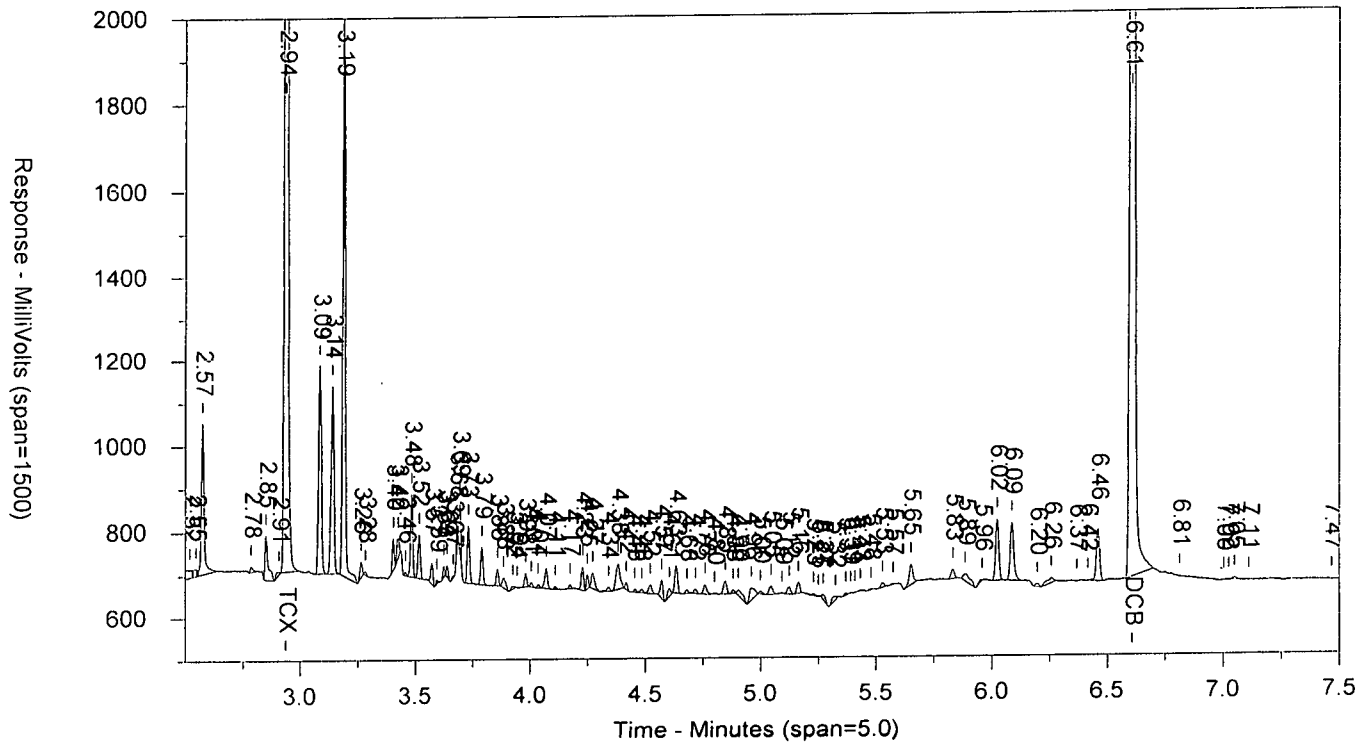

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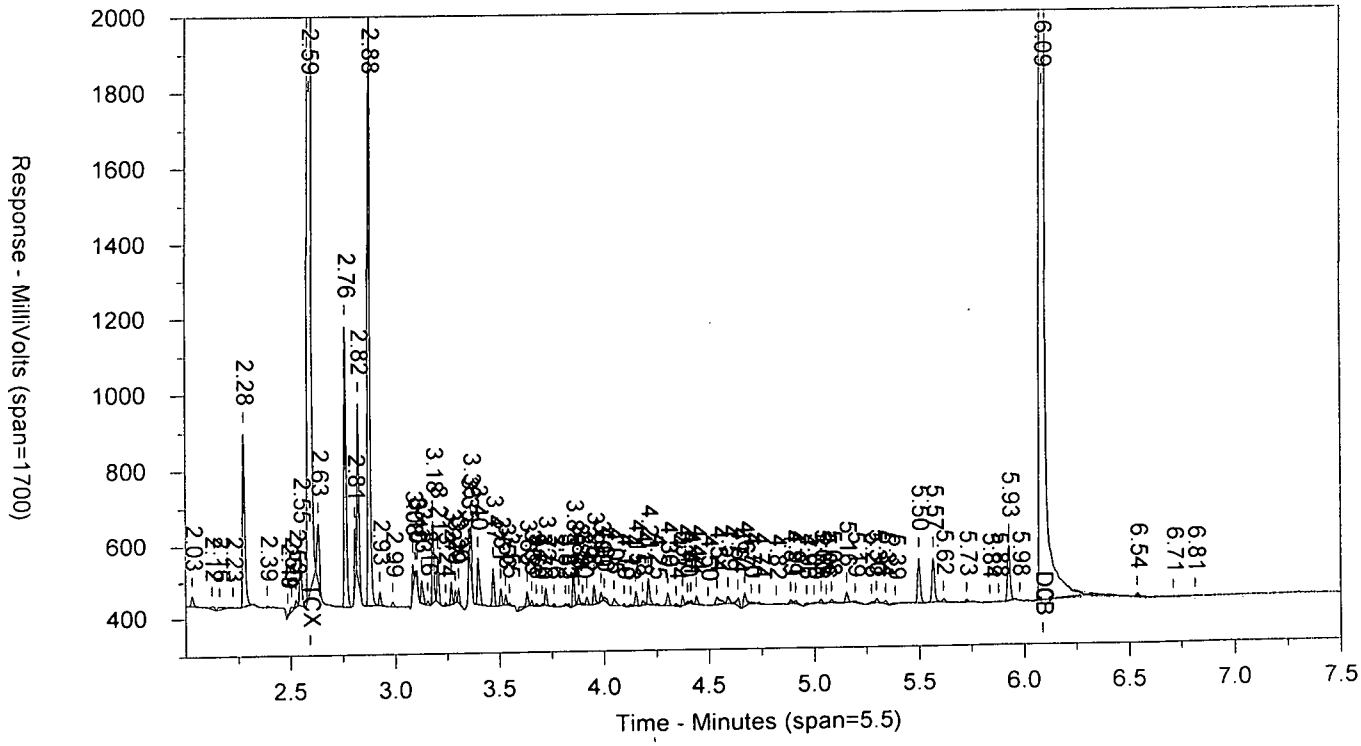

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:16:35 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: 07pcbs17282001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.611		6050	45414
1.843		1987	780
1.873		1843	796
1.949		2757	1470
2.055		23951	48929
2.087		11266	13609
2.234		56945	59342
2.333		29979	32970
2.509		20503	34505
2.544		23461	27989
2.574		206179	172037
2.785		17446	12277
2.85		45877	51610
2.91		5066	12108
2.937	TCX	10396670	7001751
3.086		345147	292007
3.141		344341	299094
3.188		1129340	824343
3.264		29334	18094
3.281		55299	32872
3.325		2222	1568
3.402		467982	280117
3.419		233369	128843
3.456		59556	32212
3.483		131888	92340
3.516		564893	415159
3.572		40987	26445
3.593		24770	16521
3.625		134532	76842
3.64		75684	38791
3.682		353709	169695
3.693		566438	270518
3.73		679575	509969
3.789		564536	419340
3.831		44329	29310
3.858		336653	242750
3.884		266839	215816
3.905		53916	25944
3.98		402261	279657
4.005		157915	100472
4.036		164042	116128
4.069		447641	426230
4.109		143432	113015
4.155		26872	17698
4.196		37547	26576
4.227		290295	196916
4.248		386068	245928
4.271		479726	352234
4.328		12126	7517
4.34		9768	4843
4.375		294339	223706
4.395		168744	100323
4.417		50494	30668

RT A	Compound A	Height A	Area A
4.455		9001	6304
4.48		15479	11610
4.521		74531	62781
4.572		112108	89847
4.603		69796	55342
4.632		157984	137310
4.68		8823	7459
4.715		78057	72223
4.759		18851	19862
4.804		14695	13191
4.845		89817	83399
4.879		8088	6006
4.903		4776	3394
4.958		25374	34639
5		6305	6770
5.043		75576	76744
5.087		2700	1734
5.119		16265	17080
5.161		26472	28916
5.228		8839	7802
5.269		15221	17358
5.318		6082	8602
5.368		4904	3711
5.389		6311	4940
5.449		4810	8728
5.486		4527	6287
5.528		11711	12245
5.569		5311	4926
5.63		6635	5615
5.651		37244	32064
5.735		3081	2415
5.831		25167	23395
5.877		9918	26653
5.963		4903	12457
6.022		127658	125187
6.086		124955	138919
6.194		5247	4485
6.256		12533	24492
6.425		1352	435
6.457		98004	94150
6.498		1593	1101
6.509		1441	562
6.562		1693	723
6.604	DCB	7032011	7391952
6.839		1821	843
6.91		1237	238
6.995		1193	381
7.051		1944	1600
7.169		1528	520
7.188		1624	745
7.207		1530	585
7.293		1999	2468
7.348		1855	1540
7.508		1870	577
7.987		1397	442
8.006		1327	549
8.068		1670	593
8.101		1616	379
8.114		1793	818
8.176		1653	518
8.224		1535	699
8.317		2063	1540
8.371		1607	410
8.402		1312	1534
8.433		1485	643
8.494		1141	555

RT A	Compound A	Height A	Area A
8.539		1433	359
8.571		1454	404
8.605		1517	644

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:16:35 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: 07pcbs17282001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.558		3532	3833
1.724		4355	2438
1.771		9212	16521
1.818		11011	26664
1.904		95788	99392
1.966		12416	38286
2.031		30216	28270
2.161		4566	4867
2.18		5661	7250
2.277		268532	225545
2.388		17969	21469
2.504		16459	22134
2.527		26109	16233
2.548		83421	53637
2.592	TCX	13218880	8580920
2.635		109576	80109
2.764		499900	353553
2.81		124639	59996
2.825		332775	185843
2.877		1436956	937452
2.926		38623	25850
2.988		80044	72331
3.084		715590	761159
3.136		94224	69801
3.156		39494	22284
3.182		161506	92489
3.206		698874	467030
3.243		30698	18490
3.27		51469	26372
3.289		182723	94507
3.304		115935	55804
3.355		304053	163935
3.364		628170	276176
3.384		17922	6982
3.397		689562	476736
3.471		665523	423965
3.507		379583	243572
3.53		416956	235697
3.547		141563	68712
3.633		499204	328278
3.655		195487	104707
3.675		184647	107620
3.704		118153	60612
3.722		448669	277263
3.762		161012	120577
3.811		27629	18965
3.832		252978	157782
3.855		567339	355349
3.879		495692	310372
3.898		14796	5877
3.918		28425	15815
3.936		12293	5331
3.953		103031	65545
3.987		330014	231016

4.014		225646	138522
4.047		8169	4537
4.096		45049	33597
4.126		7561	4840
4.153		113690	86454
4.185		69084	47536
4.212		168944	126518
4.252		4420	4467
4.291		9632	6065
4.305		61998	40935
4.341		19351	15997
4.373		94311	65925
4.398		3567	1481
4.413		9786	5800
4.44		20645	13566
4.463		7942	4942
4.495		4346	3123
4.539		19976	27125
4.589		95548	79706
4.638		22388	18294
4.669		34716	33093
4.7		6219	4996
4.738		6121	5234
4.89		16521	12338
4.911		5880	6162
4.963		8579	9253
5		2507	1837
5.033		12144	9871
5.083		25460	28774
5.155		33414	29465
5.194		4825	5623
5.276		6597	4377
5.299		6743	4912
5.343		17027	17430
5.45		2334	1725
5.499		127962	116100
5.568		123585	118397
5.616		11683	9214
5.725		9904	8697
5.833		1122	2077
5.877		2691	2449
5.925		133739	118712
5.98		2471	1852
6.085	DCB	11461480	11062200
6.347		2548	2547
6.536		11138	16244
6.814		1734	2299
7.188		1234	881
8.163		9020	15449

AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082

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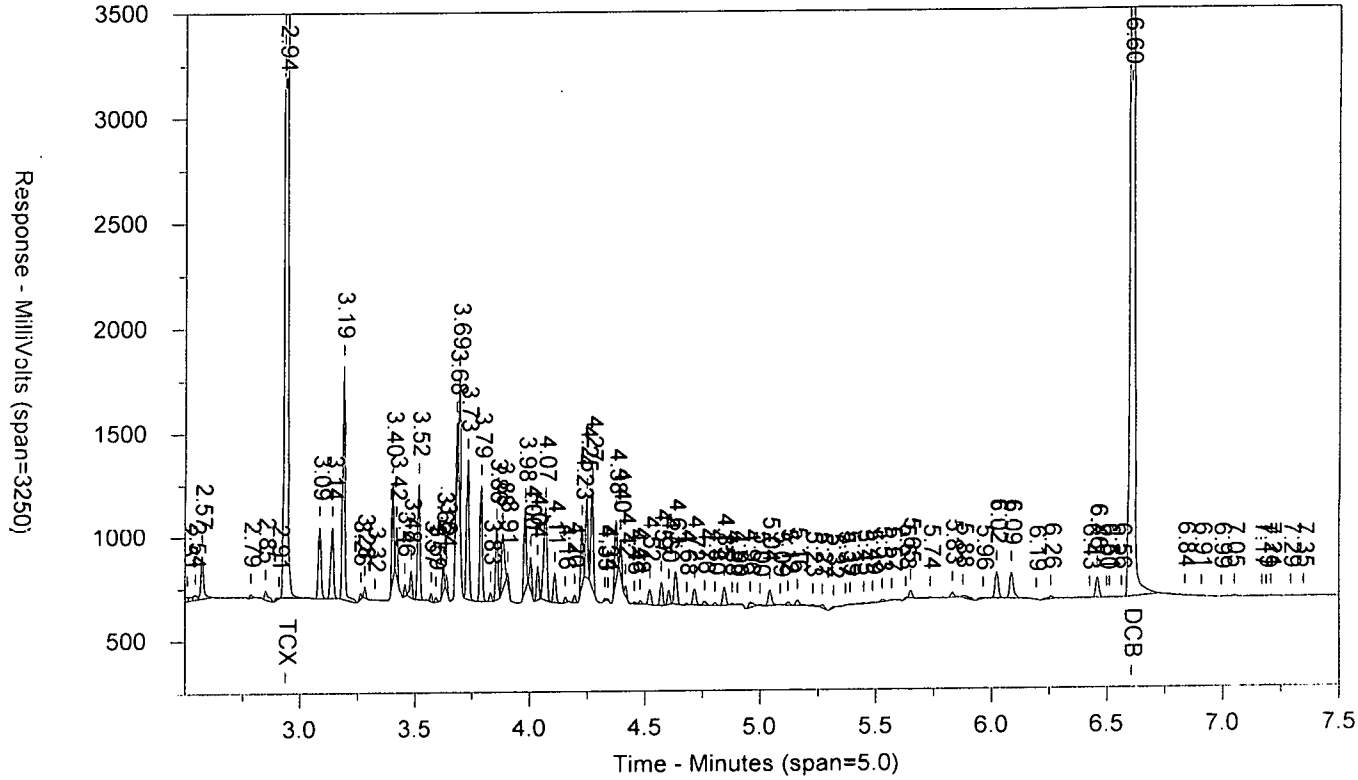

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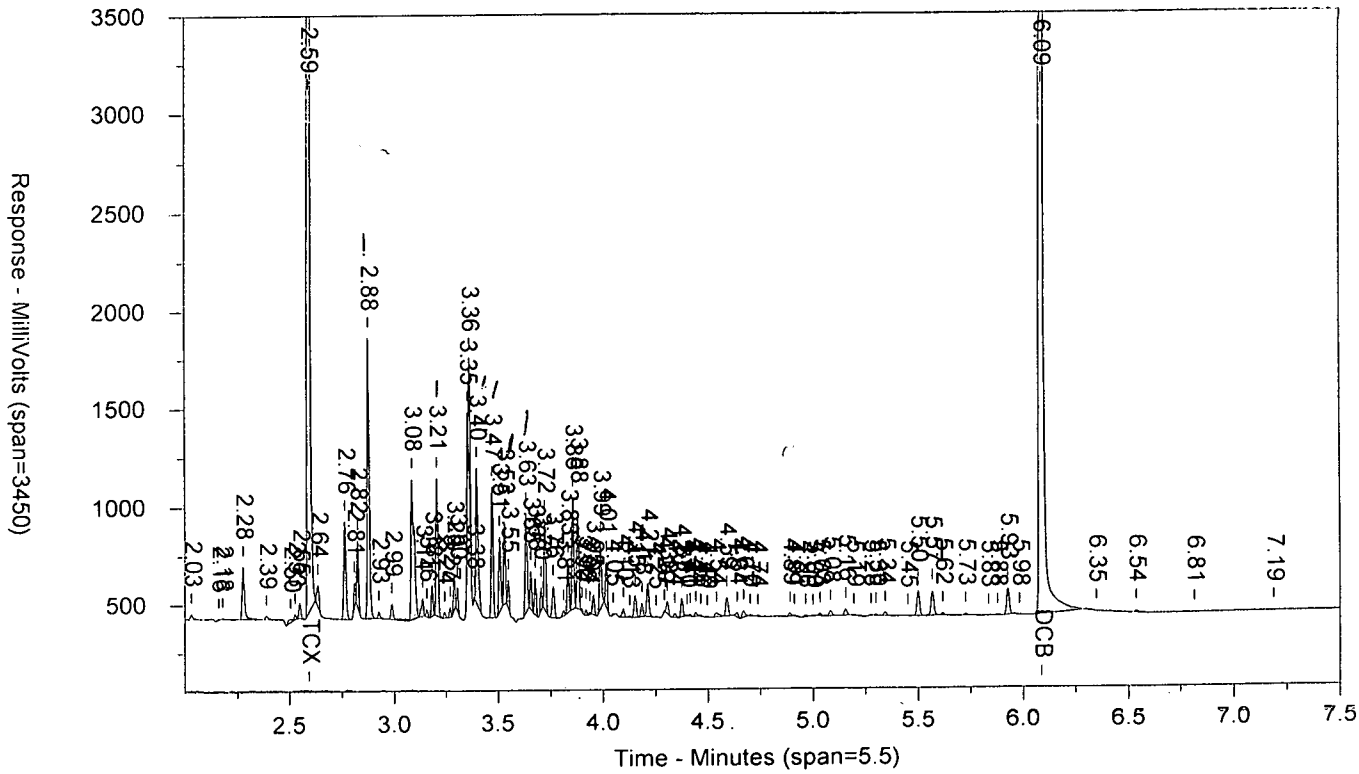

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:16:35 AM
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
2.937	10396670	36.903	TCX	2.592	13218880	41.398	TCX
6.604	7032011	36.684	DCB	6.085	11461480	36.503	DCB

Files:
Area File: 07pcbs17282001.0028.RAW
Area File: 07pcbs17282001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 12:25:20 AM
File Reported On: 10/10/2017 at 12:25:27 AM

AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082

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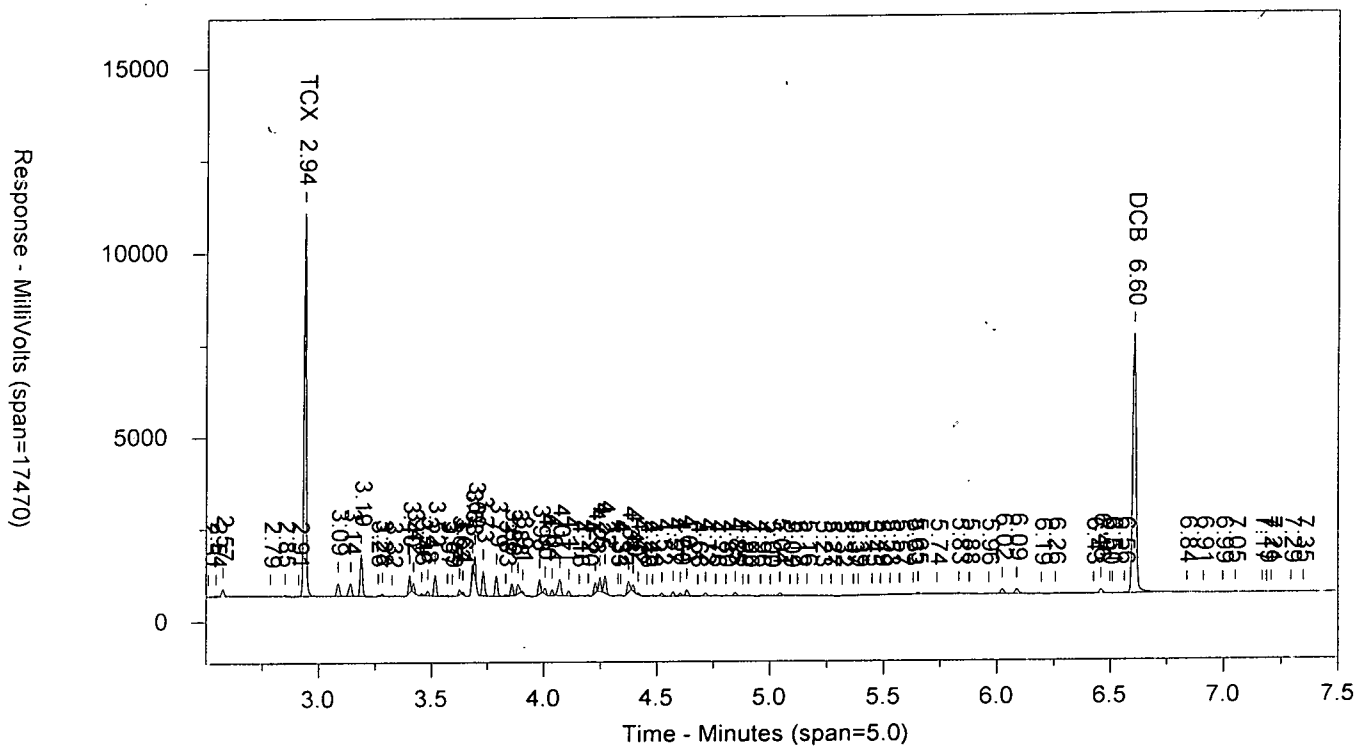

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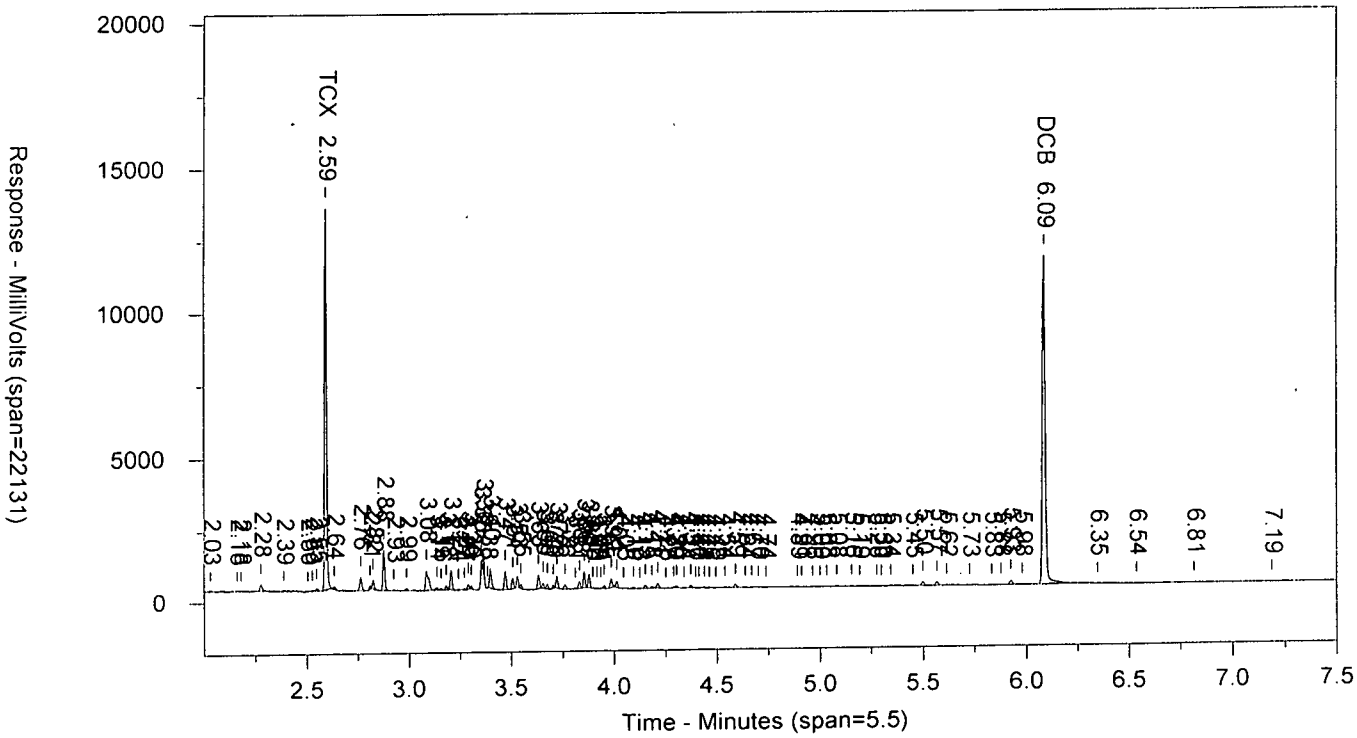

AR3241724A AAAR324AA ICAL 1728199999 10736 SW-846 8082

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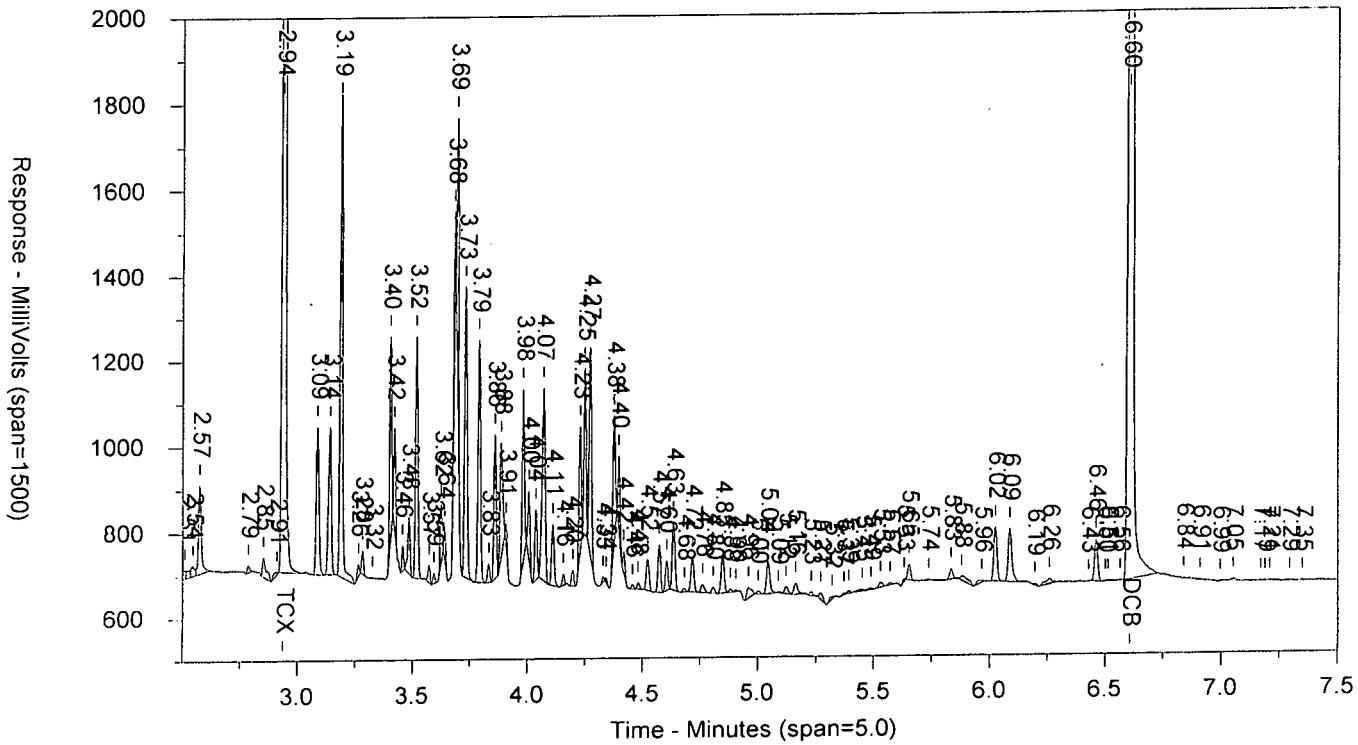

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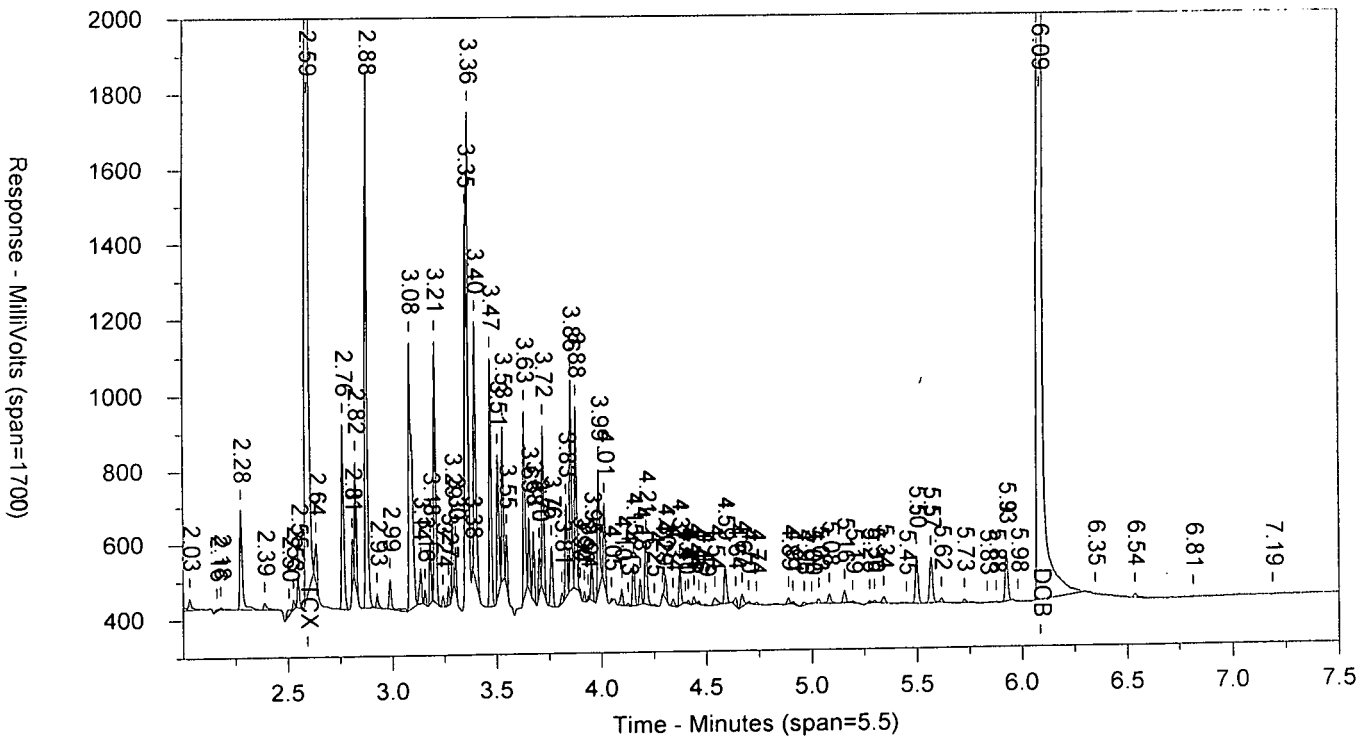

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:28:06 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: 07pcbs17282001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAI

RT A	Compound A	Height A	Area A
1.609		13536	39154
1.653		5554	7199
1.739		3200	2696
1.843		2734	4243
2.003		8963	17315
2.053		33718	51331
2.089		8266	10529
2.235		85638	65224
2.335		38066	23163
2.343		39420	24732
2.497		13624	12111
2.546		3125	1927
2.575		13635	8752
2.661		5757	4550
2.864		40203	62936
2.937	TCX	19285730	13159950
3.036		7162	3829
3.086		236877	219250
3.14		364489	367399
3.189		1305602	926947
3.265		52791	35328
3.282		178853	108807
3.322		4265	3070
3.403		1312038	794400
3.42		654121	343751
3.457		167329	96013
3.473		24153	9017
3.484		99374	51375
3.518		1603350	1181400
3.553		8508	4379
3.573		92308	57897
3.595		69102	46533
3.627		385834	219033
3.641		207132	101845
3.684		822424	436072
3.695		1608869	822637
3.732		1911411	1452126
3.791		1711857	1236731
3.832		142943	96795
3.859		1083971	771759
3.887		842163	706528
3.907		144535	67012
3.958		2276	1147
3.982		1261885	880374
4.006		453767	310151
4.037		515229	366532
4.071		1378128	1337020
4.11		444609	353462
4.157		98053	79291
4.196		137870	102760
4.229		944317	644125
4.25		1117885	693033
4.272		1548030	1121609

RT A	Compound A	Height A	Area A
4.329		36365	22410
4.342		51054	28952
4.376		878144	687412
4.397		519655	305761
4.419		216995	139936
4.458		15199	9720
4.481		62357	48959
4.523		276549	251100
4.572		358428	299972
4.605		276834	212539
4.635		613730	536280
4.682		7443	5612
4.716		276778	262130
4.759		40801	55525
4.807		68793	63371
4.847		382650	356523
4.881		17404	11676
4.911		3660	3267
4.923		34715	30923
4.971		61550	112336
4.999		10208	9005
5.044		311178	320723
5.093		10376	6845
5.122		33157	34562
5.163		105362	91772
5.185		7118	3314
5.204		7019	3670
5.338		17982	61912
5.369		35337	27951
5.392		4506	2943
5.428		1740	830
5.488		4526	7630
5.528		20314	19547
5.568		29693	27294
5.653		101183	134471
5.711		3960	3403
5.736		8201	6899
5.833		21451	20550
5.861		1729	744
5.881		24049	82477
5.959		26748	48594
5.984		1199	339
6.024		208473	206249
6.087		211767	231816
6.26		19162	65983
6.3		1172	872
6.363		2485	976
6.409		2375	1008
6.434		5290	3769
6.459		167944	162871
6.504		5827	8826
6.545		1451	1417
6.566		1675	849
6.606	DCB	13259810	13278560
6.754		3958	4923
6.828		2190	502
6.922		1407	1186
7.008		5916	7214
7.052		6730	6787
7.154		9771	13627
7.31		16178	24184
7.371		5653	5841
7.412		1554	894
7.495		1893	1143
7.592		1537	1116
7.661		1324	427

RT A	Compound A	Height A	Area A
7.687		2002	651
7.834		992	402
7.892		2377	1698
7.961		2011	1567
8.001		1463	734
8.11		1367	661
8.241		9918	25184
8.349		19280	40586
8.526		1716	1607
8.576		2290	1197

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:28:06 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: 07pcbs17282001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.529		4712	4448
1.558		6837	7221
1.611		2221	2471
1.656		5476	7689
1.724		3430	1926
1.771		33509	42390
1.821		11291	27976
1.85		3484	6080
1.904		126530	118991
1.964		6330	12245
2.031		44042	36922
2.088		1947	1493
2.205		15553	90352
2.276		17798	11188
2.34		4151	2655
2.387		8108	7499
2.433		1769	1155
2.509		13026	27446
2.528		3244	2204
2.549		4822	2750
2.592	TCX	20450230	12751210
2.635		77631	39647
2.68		3604	8888
2.764		323272	277871
2.809		228471	113228
2.824		250229	129777
2.877		1408017	940884
2.926		68120	42132
2.988		203441	147013
3.053		19675	19358
3.084		1746233	1808937
3.135		219555	138376
3.156		107519	61242
3.182		153883	87449
3.206		1739293	1181601
3.243		78420	50713
3.27		82831	41884
3.289		456172	234719
3.304		252016	121589
3.355		787612	407594
3.364		1956100	804365
3.384		60162	18989
3.398		1736534	1247833
3.472		1896230	1235507
3.507		1240496	777969
3.53		1350868	742385
3.548		418653	213610
3.633		1572887	1053188
3.656		612482	321863
3.676		573819	343824
3.705		380569	194480
3.722		1460547	884893
3.763		516533	391786
3.812		102892	66675

3.833		716384	447502
3.856		1897002	1168532
3.88		1670705	1121045
3.918		81117	44393
3.937		36291	16070
3.954		396214	262191
3.988		1115696	800193
4.015		775972	463993
4.063		58509	45767
4.097		179330	137875
4.154		463270	351822
4.186		287935	196196
4.213		643359	488401
4.25		9614	9501
4.291		34967	19834
4.306		223189	148844
4.342		84512	69675
4.374		385713	334507
4.415		13729	7471
4.441		50570	33642
4.465		41322	27846
4.538		54720	52444
4.567		4114	1725
4.591		420162	348973
4.638		34285	35878
4.671		136645	146481
4.716		14923	10524
4.741		2813	2657
4.859		5624	4398
4.889		3895	3010
4.913		57287	61996
4.973		6474	14267
5.033		16820	18525
5.063		24379	18808
5.084		5562	3115
5.156		47563	40791
5.197		4840	5139
5.276		6909	12972
5.301		4743	4192
5.347		15296	17448
5.501		186053	174316
5.542		5116	4122
5.569		184057	164875
5.618		14413	13694
5.673		5763	5343
5.726		12061	25735
5.825		12477	24271
5.88		2892	2276
5.928		219793	201802
5.974		9880	15870
6.024		4377	3692
6.087	DCB	20841210	19051650
6.219		9928	7487
6.306		3146	2222
6.341		7688	7938
6.433		9677	7175
6.488		45814	57453
6.536		11824	12108
6.633		10842	16748
6.708		4432	4734
6.742		3831	4343
6.775		1840	1399
6.809		5552	7434
6.85		5918	6525
6.895		5693	6282
6.949		4836	10042
7.038		4336	6339

7.08	24187	34273
7.191	7810	9543
7.224	52967	61033
7.366	10420	13504
7.412	3971	5322
7.54	3010	4379
8.169	11100	21629
8.437	1329	3038

AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082

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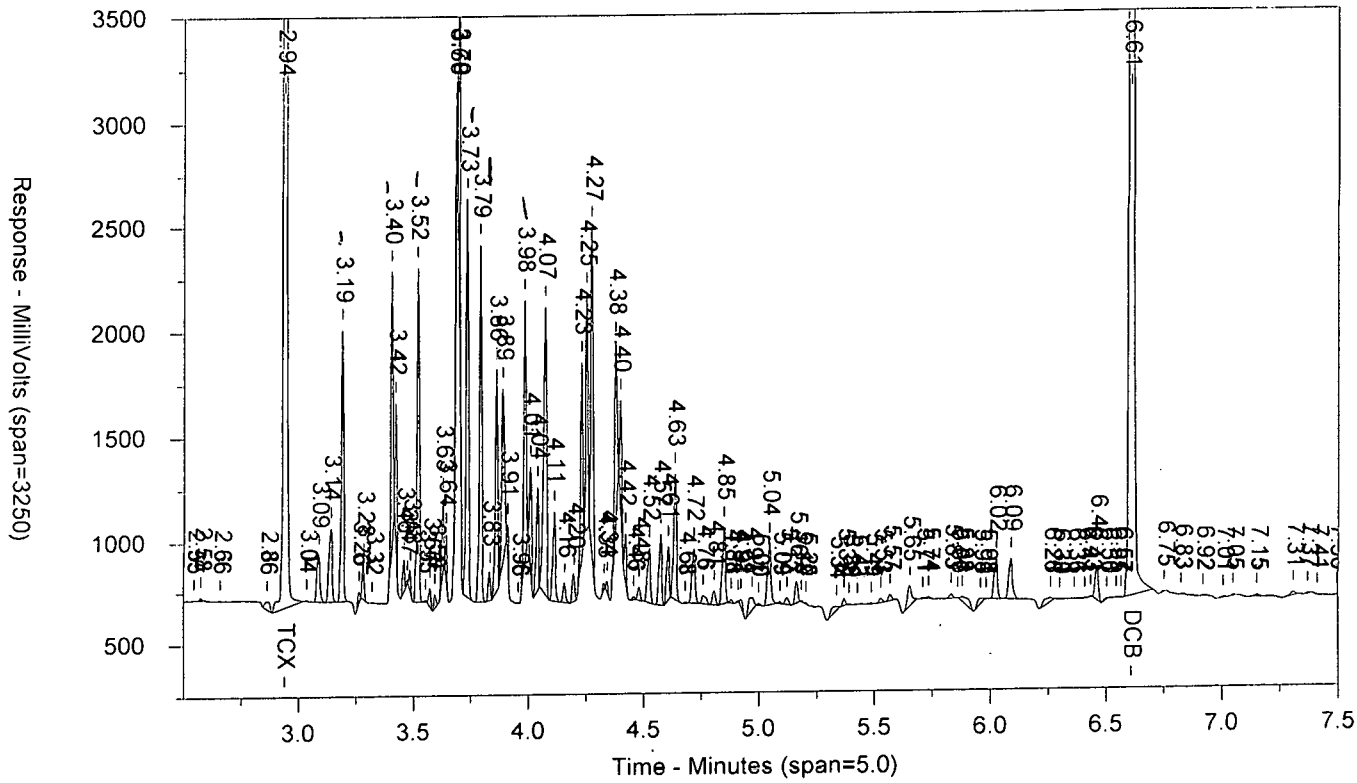

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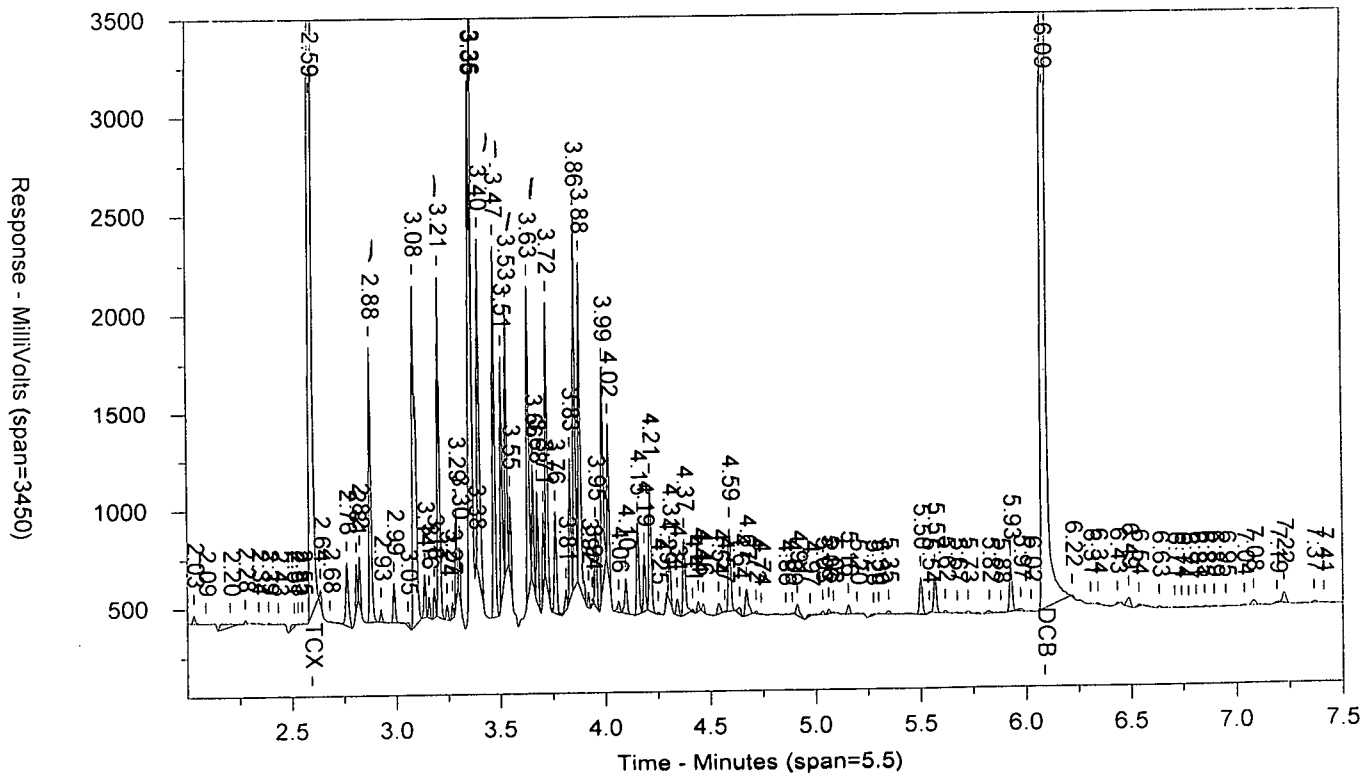

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:28:06 AM
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
2.937	19285730	68.455	TCX	2.592	20450230	64.045	TCX
6.606	13259810	69.172	DCB	6.087	20841210	66.376	DCB

Files:
Area File: 07pcbs17282001.0029.RAW
Area File: 07pcbs17282001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 12:36:47 AM
File Reported On: 10/10/2017 at 12:36:55 AM

AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082

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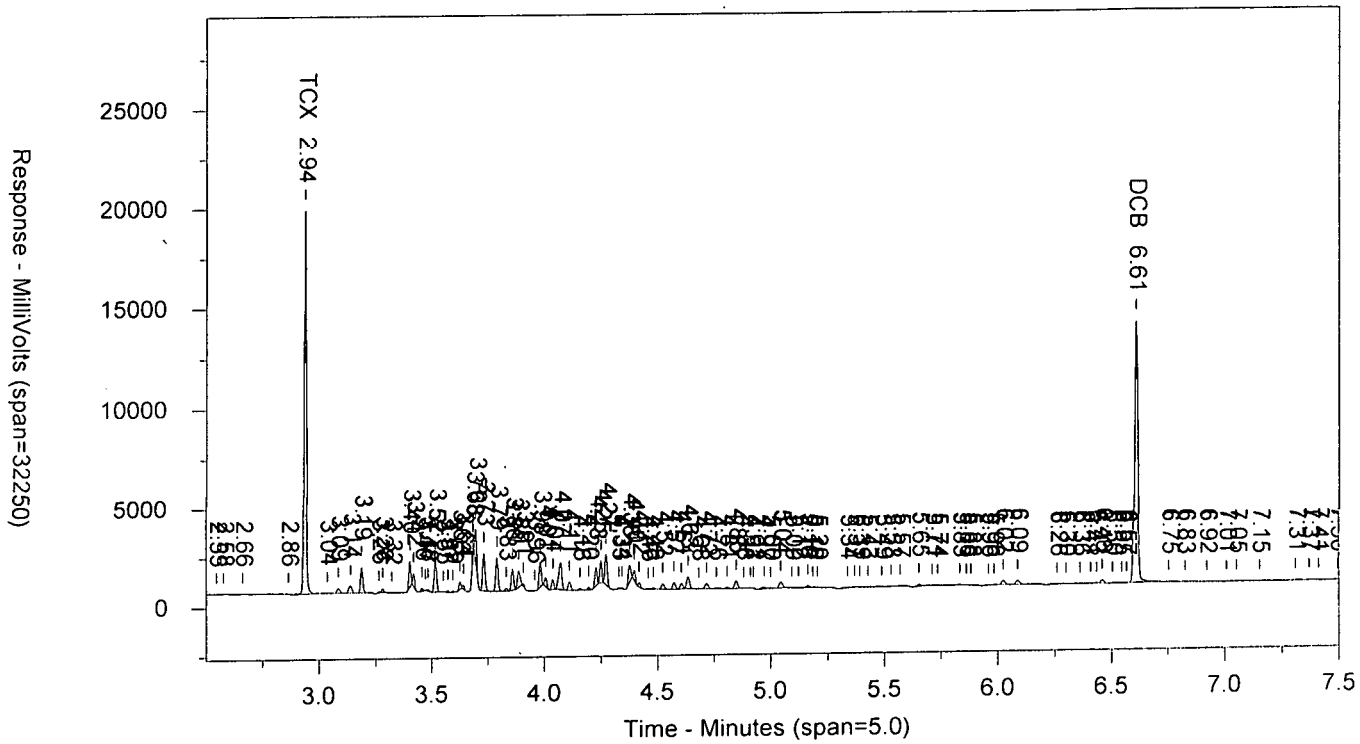

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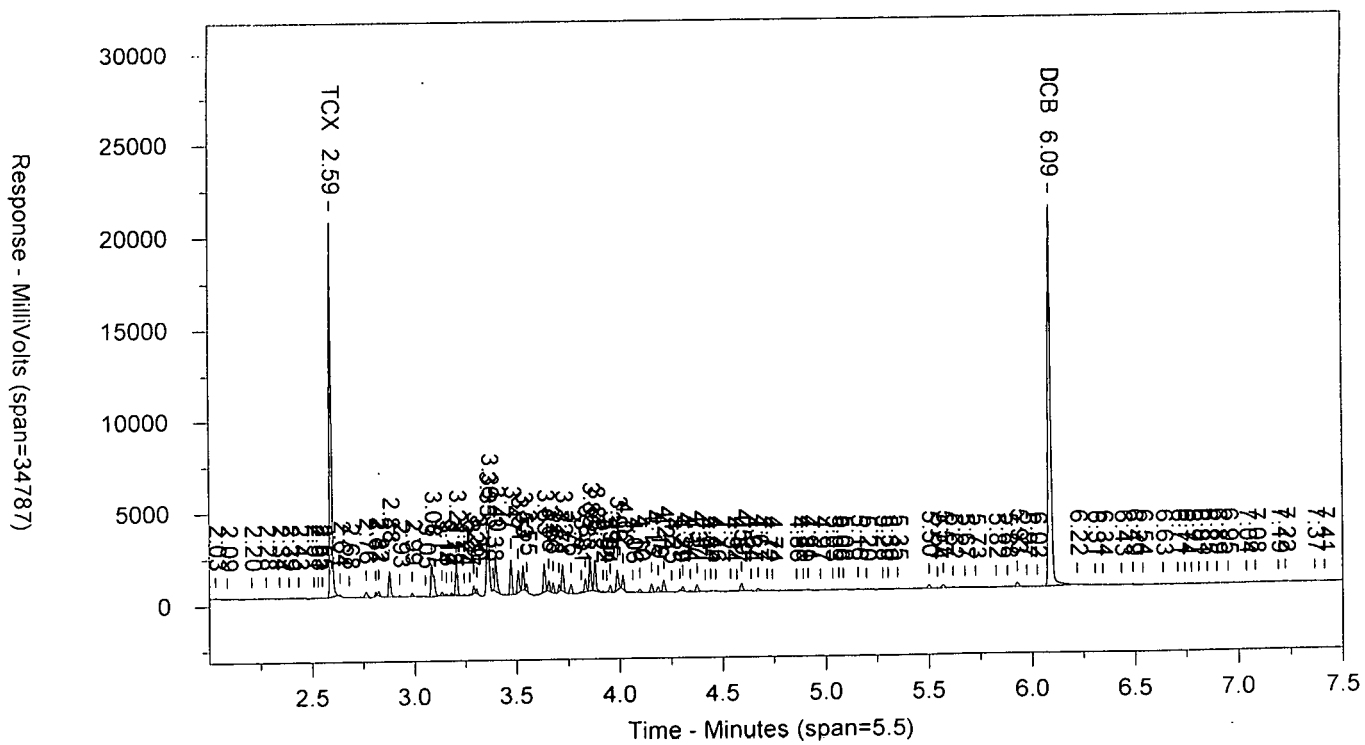

AR4231724A AAAR423AA ICAL 1728199999 10736 SW-846 8082

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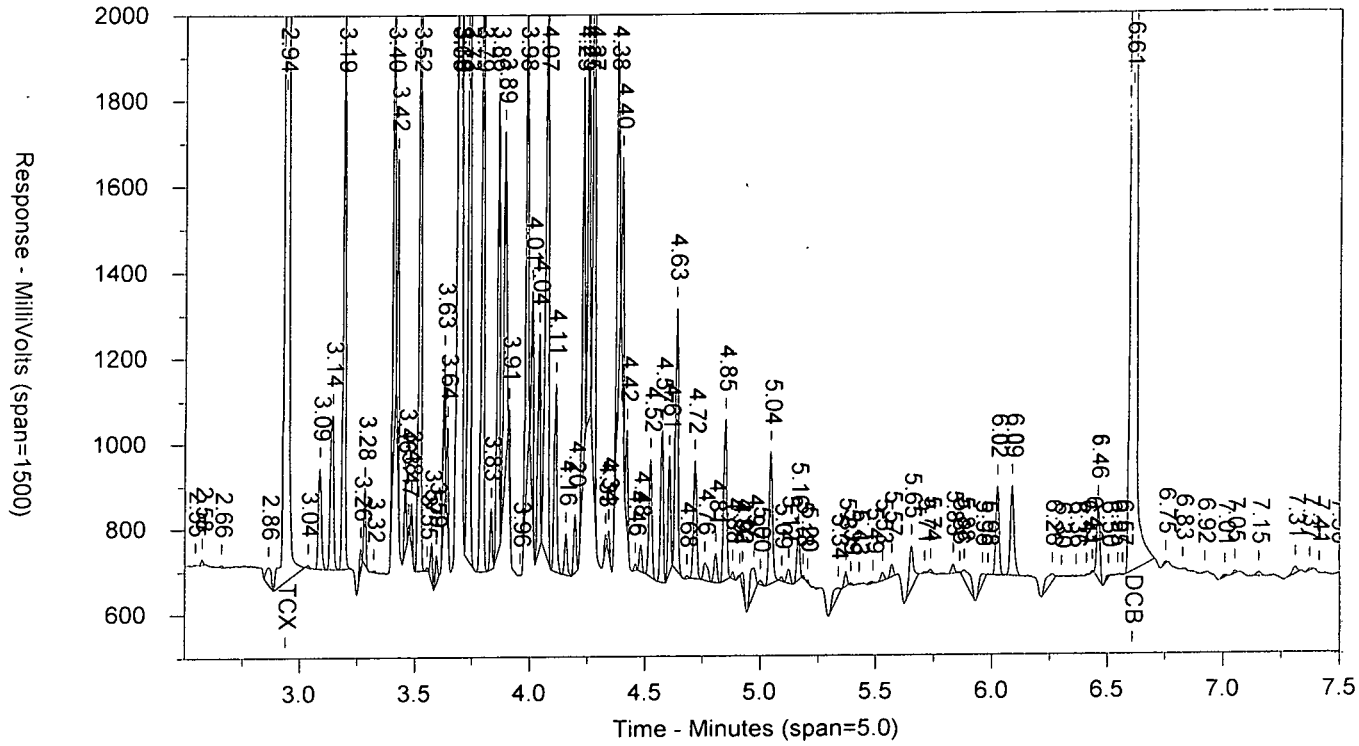

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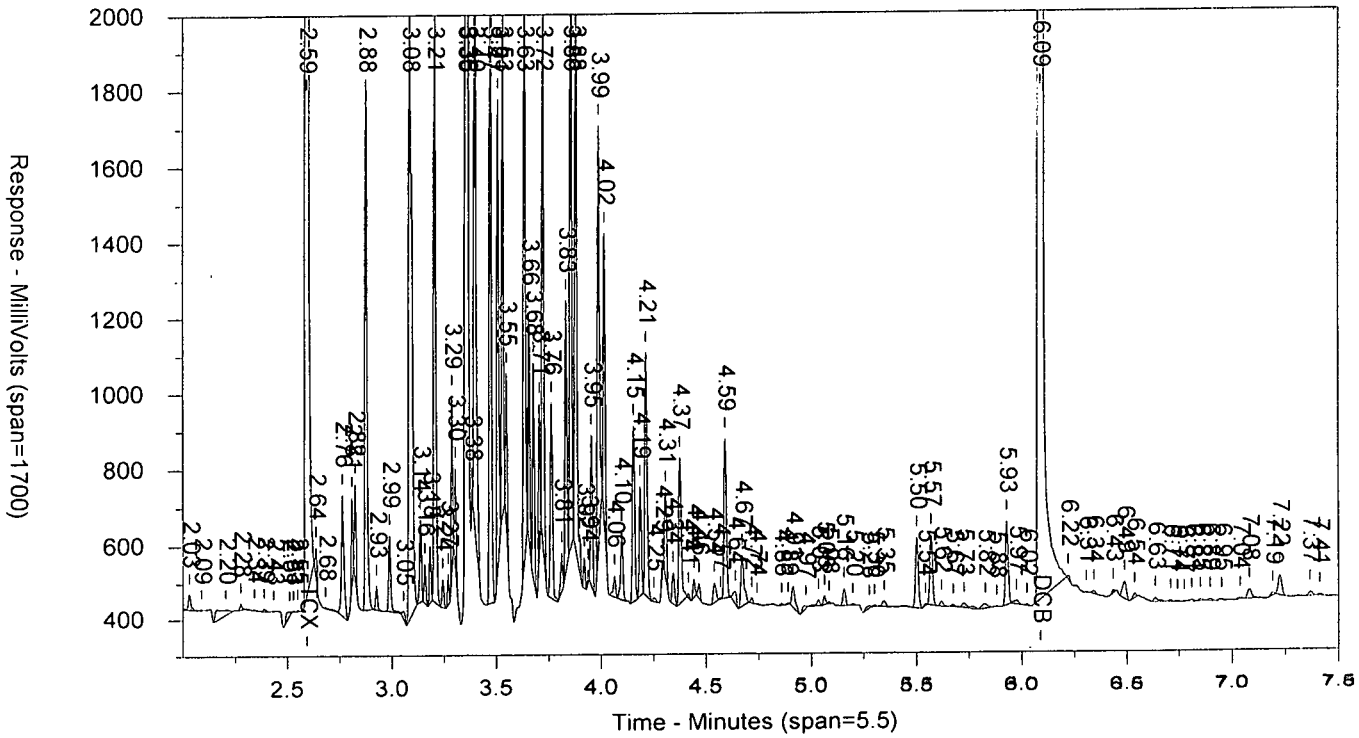

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:39:34 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: 07pcbs17282001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.612		6575	39429
1.736		1812	920
1.885		1627	859
2.062		16173	43921
2.093		6589	8340
2.334		32153	22771
2.441		2494	1824
2.511		8168	20436
2.786		7285	5734
2.87		21055	34010
2.912		6000	13184
2.937	TCX	124554	87020
3.141		8598	7586
3.189		30425	21524
3.268		4908	6080
3.28		4869	3936
3.404		34318	19957
3.42		15236	8250
3.456		3461	2179
3.517		38226	27225
3.628		9852	16869
3.643		5511	2699
3.683		22954	10881
3.695		38761	19247
3.732		45990	34526
3.791		38251	29290
3.834		2541	1757
3.86		28477	19725
3.886		24573	25515
3.926		4561	4327
3.982		31651	22269
4.007		10051	6719
4.038		11994	8482
4.071		32317	28312
4.11		8874	6321
4.174		11758	10525
4.194		1724	689
4.229		33833	23709
4.251		13374	8045
4.277		15839	17282
4.339		3949	3547
4.384		34148	31727
4.521		4733	4461
4.572		10071	7516
4.596		7468	6319
4.636		19693	15602
4.684		31967	33779
4.721		7341	5476
4.76		65850	59612
4.847		9566	8462
4.882		1324	594
4.906		17840	24558
4.959		66659	84557

RT A	Compound A	Height A	Area A
5.007		12422	12554
5.048		24169	29185
5.106		1818	296
5.13		5480	4292
5.163		79410	80379
5.229		48298	42123
5.272		31507	31858
5.324		2581	4977
5.367		8508	6719
5.392		37721	32683
5.449		20690	20375
5.488		12616	13674
5.531		2416	2355
5.572		16532	18860
5.628		122009	137712
5.734		1731	728
5.833		93588	92072
5.862		3659	1781
5.887		23737	32599
5.952		3710	3647
5.983		1526	396
6.02		1417	342
6.053		1329	346
6.103		13915	12758
6.26		32241	42122
6.343		2021	1974
6.459		8915	7842
6.505		2083	1841
6.567		1758	596
6.606	DCB	101769	105288
6.778		1562	348
6.84		1415	809
7.032		1274	370
7.072		1906	872
7.246		1946	874
7.291		1350	532
7.62		1398	952
8.079		1491	582
8.194		1362	369
8.256		1595	620
8.297		1574	735
8.423		2001	591
8.489		1169	415
8.516		956	462
8.618		1726	403
8.656		1893	928

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:39:34 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: 07pcbs17282001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.724		5270	2691
1.771		10231	18087
1.842		10432	40061
1.9		45066	40259
1.962		5647	8177
2.091		1885	1530
2.207		5889	31351
2.387		4992	4722
2.508		12011	23648
2.527		7832	7221
2.591	TCX	148715	96019
2.637		2593	1915
2.762		10334	13293
2.812		2943	5669
2.824		6844	3474
2.876		35217	23664
2.969		1785	1189
2.987		4734	8161
3.059		7850	7051
3.084		53846	59787
3.134		4388	2347
3.182		2652	1413
3.205		43352	27783
3.289		9818	4963
3.304		11697	12584
3.354		22713	10109
3.363		39770	17466
3.397		44490	33470
3.471		44141	30866
3.507		32337	19777
3.53		33945	19180
3.547		11610	14112
3.632		42087	40656
3.656		14909	8082
3.675		13513	7403
3.704		8586	4306
3.721		31251	18887
3.762		10700	7295
3.807		2079	1383
3.854		46868	33773
3.879		9146	5757
3.918		16048	13183
3.953		33779	22889
4.001		6068	9282
4.05		13002	13072
4.121		4963	8848
4.152		9410	6885
4.194		9586	5530
4.212		8188	3669
4.226		22362	13173
4.252		13105	13344
4.304		78488	74114
4.399		18086	21084
4.44		88160	75283

4.542		64478	74370
4.593		8077	6191
4.633		22993	21730
4.669		78751	70583
4.702		46751	35028
4.74		29986	24191
4.837		9118	9152
4.889		54447	44015
4.963		29234	26465
4.998		13125	10275
5.03		10309	7948
5.062		2885	1788
5.084		116774	115962
5.154		4696	4117
5.3		31480	30322
5.345		85997	108430
5.5		4132	3806
5.548		1688	1704
5.618		16178	14623
5.727		40031	44284
5.927		11530	12281
6.086	DCB	155311	156478
6.57		2321	2047
6.819		1376	1671
7.001		1405	17782
7.592		3005	5669
7.646		1401	1840
8.165		11636	23714

MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 80

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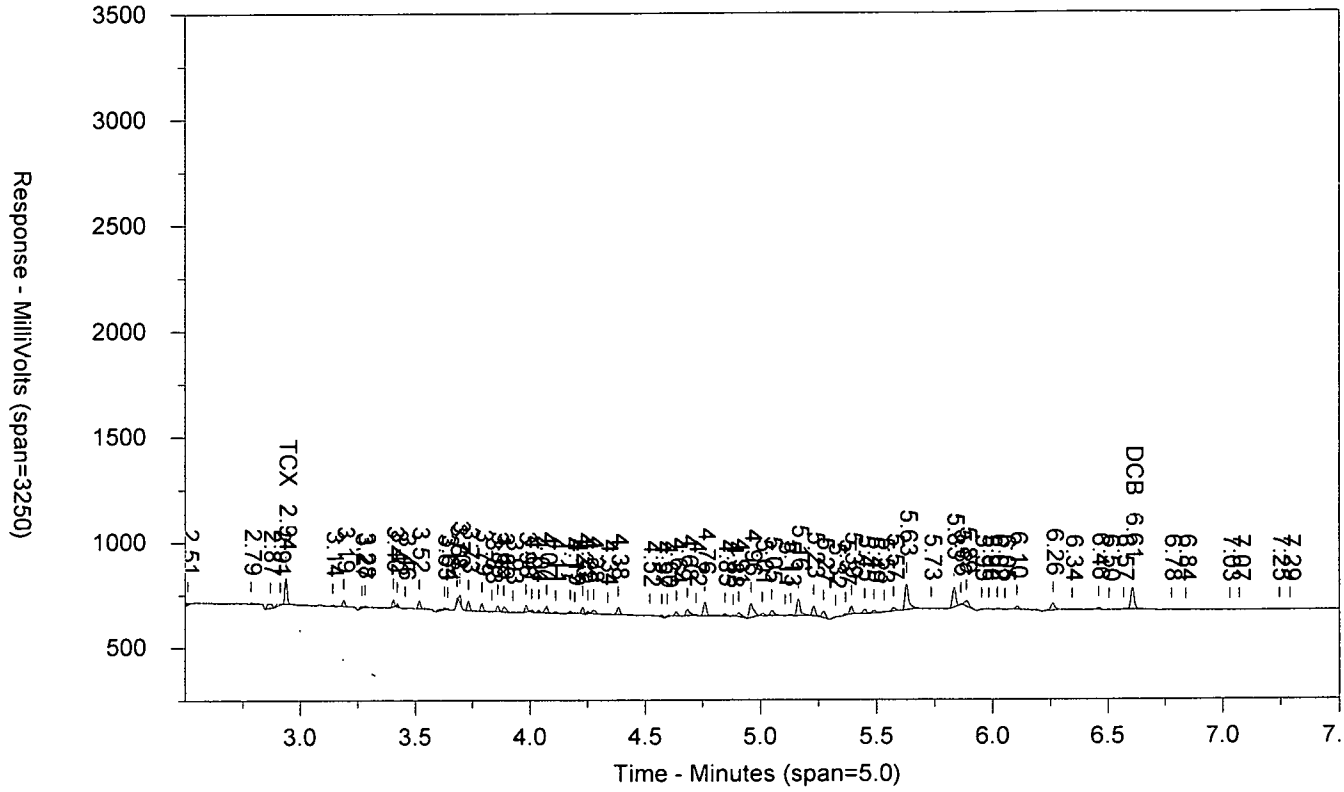

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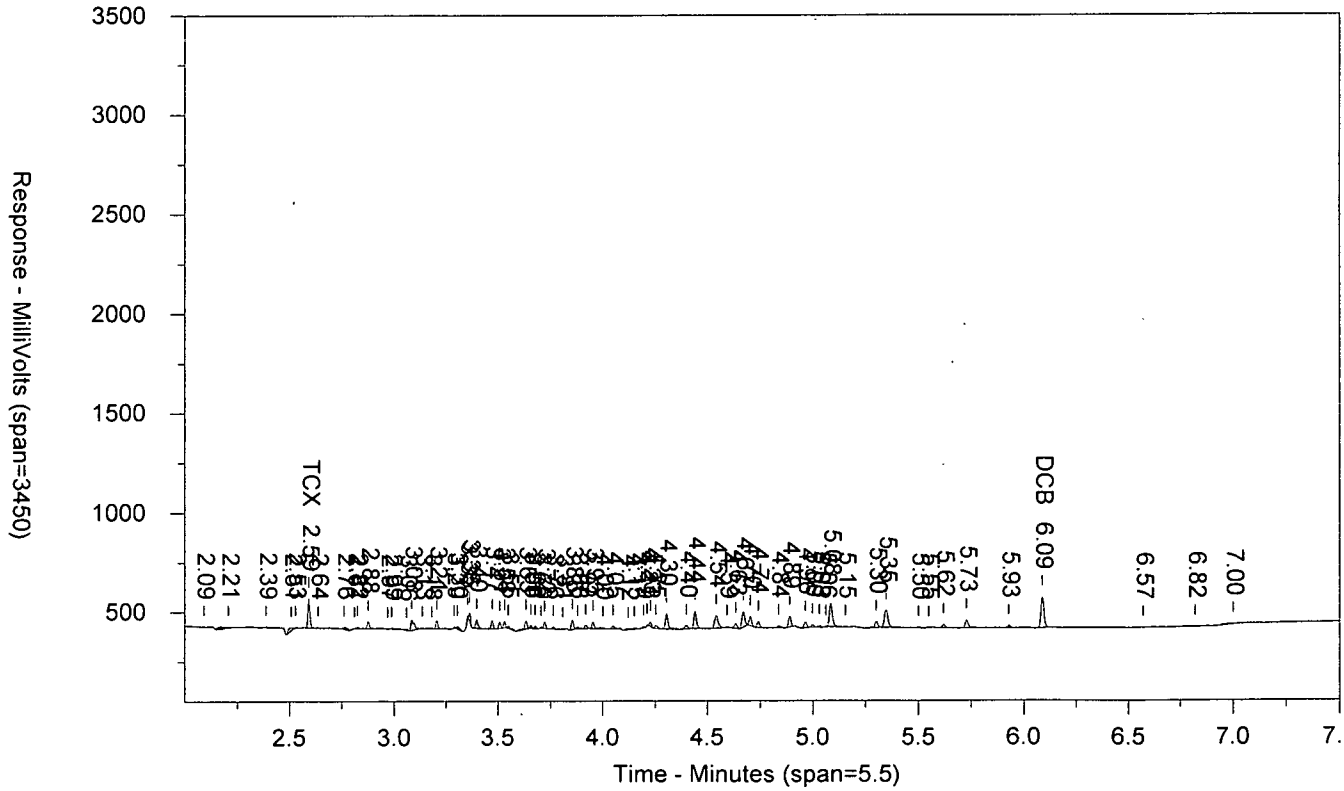

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:39:34 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
2.937	124554	.442	TCX	2.591	148715	.466	TCX
6.606	101769	.531	DCB	6.086	155311	.495	DCB

Files:
Area File: 07pcbs17282001.0030.RAW
Area File: 07pcbs17282001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:34:04 PM
File Reported On: 10/10/2017 at 2:36:19 PM

MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 80

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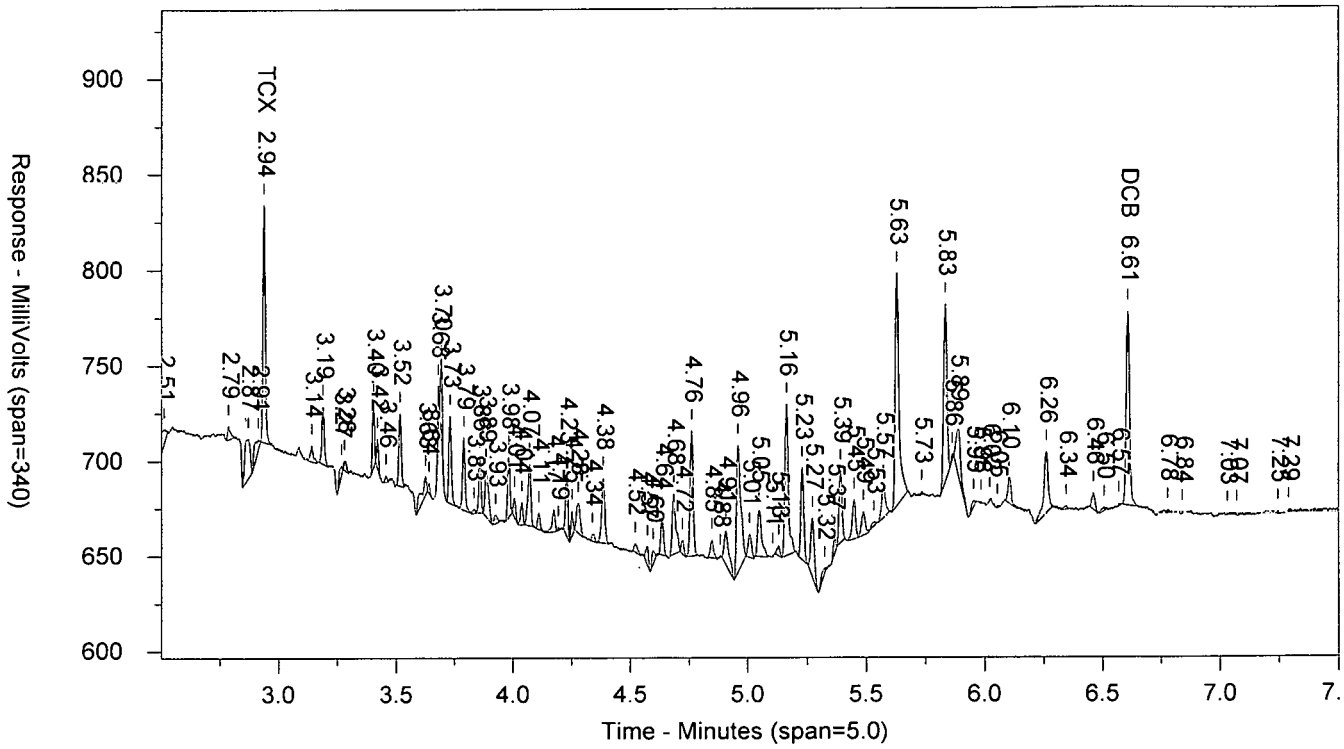

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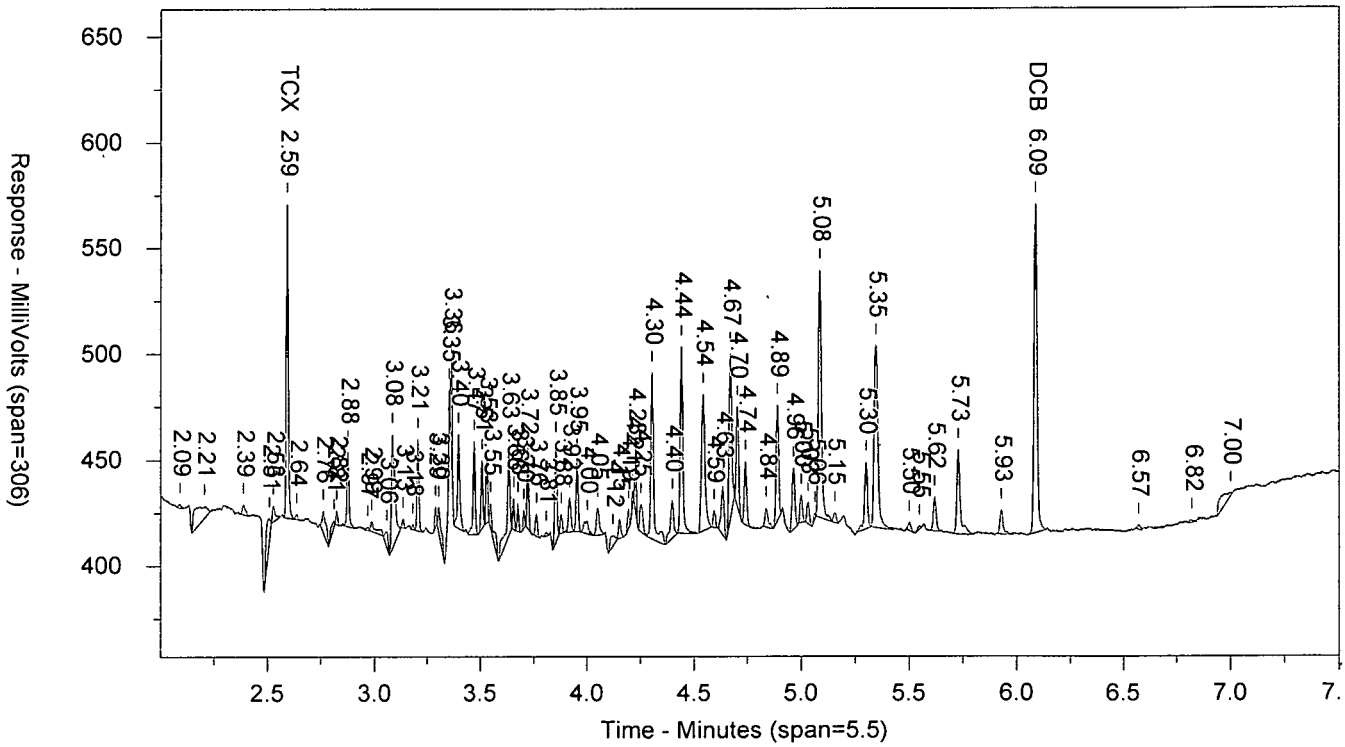

MD16X1724B AAMD16XAA ICAL 1728199999 10736 SW-846 80

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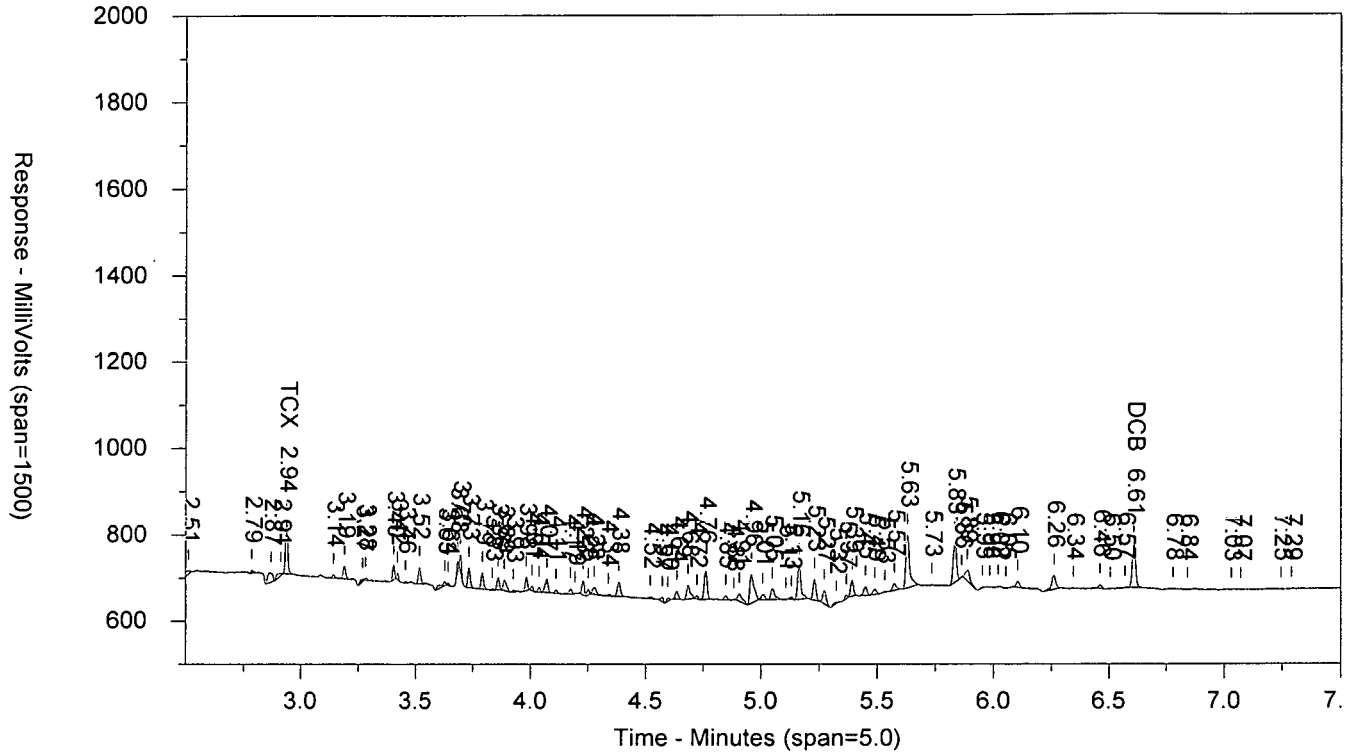

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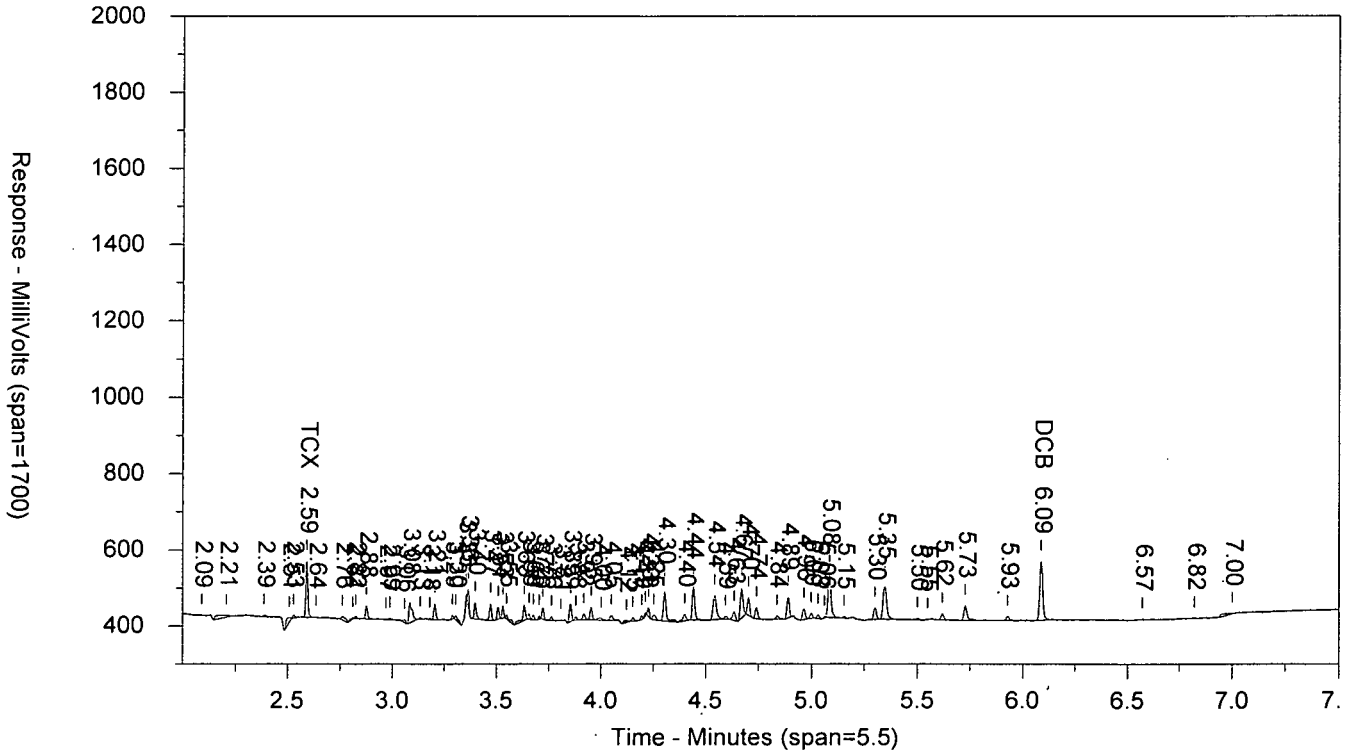

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:51:06 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: 07pcbs17282001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.614		6229	42140
1.918		3158	2276
2.007		8165	11568
2.055		20399	35715
2.093		5889	8014
2.235		51814	39998
2.342		21853	26442
2.51		4360	14490
2.577		8694	5099
2.87		15838	24497
2.899		7070	5357
2.938	TCX	11357190	7487602
3.086		165273	150948
3.14		251373	240024
3.189		957335	672318
3.264		27267	15404
3.282		131736	84458
3.324		5085	3044
3.403		1035287	619914
3.42		506251	272473
3.457		128982	74355
3.473		21265	7848
3.484		74020	37401
3.517		1229882	910427
3.552		6485	3588
3.573		43188	26695
3.593		45085	30171
3.626		299326	167772
3.641		158830	77620
3.684		601334	366028
3.695		1276161	597123
3.731		1436743	1097836
3.79		1279980	953667
3.832		111092	76267
3.859		873100	618197
3.886		617649	521929
3.907		160413	74861
3.982		968817	667301
4.006		356992	230938
4.037		349195	253848
4.07		830195	802237
4.11		248888	194336
4.157		19761	14960
4.196		36679	24750
4.23		780995	573555
4.25		106692	54880
4.272		155172	121416
4.342		143476	118030
4.384		939097	888955
4.418		22342	14425
4.479		10368	8831
4.522		118986	112870
4.573		108393	68249

RT A	Compound A	Height A	Area A
4.59		260257	182561
4.635		591015	504042
4.683		998943	1099822
4.72		227956	158600
4.759		2005929	1838119
4.803		14736	10884
4.845		249668	264463
4.879		21690	14802
4.906		339599	314481
4.957		1856874	2364701
5.008		395478	371436
5.049		877590	1017228
5.129		200168	229093
5.163		2223854	2076901
5.185		89348	44972
5.204		25295	9528
5.229		1457349	1328448
5.271		899920	852535
5.319		6848	8904
5.366		316877	261822
5.391		1385431	1266090
5.448		758139	695207
5.488		435682	446556
5.529		92282	96858
5.572		526701	602478
5.628		3907856	4596969
5.833		2597934	2526668
5.865		67573	58011
5.887		648519	738220
5.947		5125	5441
6.024		257980	254695
6.103		558991	892618
6.258		1003376	1123781
6.302		57464	50619
6.426		1853	509
6.459		440408	469696
6.606	DCB	7339734	7690591
6.911		1921	574
7.013		1689	1161
7.051		4195	4158
7.116		1458	581
7.231		1849	324
7.274		1534	273
7.41		1276	523
7.536		1101	442
7.609		1239	918
7.959		1605	411
7.988		1295	819
8.023		1712	628
8.221		875	771
8.273		1391	401
8.431		1191	276
8.492		2053	1054
8.533		1376	781
8.551		1283	378
8.572		2279	1534
8.582		2530	779

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:51:06 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: 07pcbs17282001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.533		1956	1783
1.56		2735	3516
1.648		2614	1792
1.724		5172	4872
1.77		11909	21799
1.803		12324	12458
1.845		12860	23425
1.904		85003	102523
1.963		11663	30783
2.031		32024	33341
2.166		5617	8039
2.276		11643	11405
2.387		4221	3776
2.418		5544	46565
2.51		8204	18153
2.527		3541	2315
2.549		1973	1299
2.592	TCX	11708880	7385616
2.635		60762	33283
2.763		213526	171232
2.81		137068	67568
2.824		184565	96845
2.876		1013122	678417
2.926		39451	23568
2.987		157273	107644
3.055		7328	7465
3.084		1338070	1372038
3.135		171786	104955
3.156		81041	45860
3.181		112846	62937
3.206		1308882	893405
3.243		53847	33299
3.27		48169	23704
3.289		344071	177429
3.304		191378	89965
3.355		597159	267166
3.364		1304237	592297
3.383		48456	16277
3.397		1286762	905176
3.471		1413030	919413
3.507		959725	606095
3.53		1058813	586219
3.547		331928	163823
3.633		1230882	812070
3.655		454621	240299
3.676		410360	243380
3.705		263914	140135
3.722		817196	492959
3.762		285165	199250
3.81		38684	34238
3.832		102253	60383
3.854		998924	670192
3.879		142488	83214
3.898		18081	8128

3.918		150629	98549
3.953		1000783	700058
3.987		38213	21127
4.001		52412	36870
4.048		13395	15069
4.087		64603	69171
4.152		242282	172078
4.194		316566	197119
4.213		180687	83979
4.226		783078	479016
4.252		429620	428256
4.304		2483740	1898107
4.352		37133	30638
4.374		138123	87641
4.398		511025	401855
4.44		2836911	2297731
4.542		2384815	2314852
4.595		279198	232587
4.633		671429	582819
4.669		2688701	2286834
4.701		1470669	1125514
4.74		1027557	832512
4.839		363648	350940
4.889		1908963	1540877
4.912		145428	89128
4.962		995853	920875
4.998		467534	392810
5.03		373473	311360
5.062		81233	51069
5.084		4418888	3956259
5.124		67200	48887
5.156		169480	136192
5.276		44563	29118
5.3		943268	845284
5.346		3053752	3547469
5.5		228776	209657
5.547		55949	38784
5.569		168372	138187
5.618		542050	526054
5.727		1203945	1126881
5.758		54377	37217
5.927		608692	622767
6.086	DCB	11280760	11389020
6.259		5895	6116
6.536		9149	16743
8.077		2069	3177
8.169		9104	15306

IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 8082

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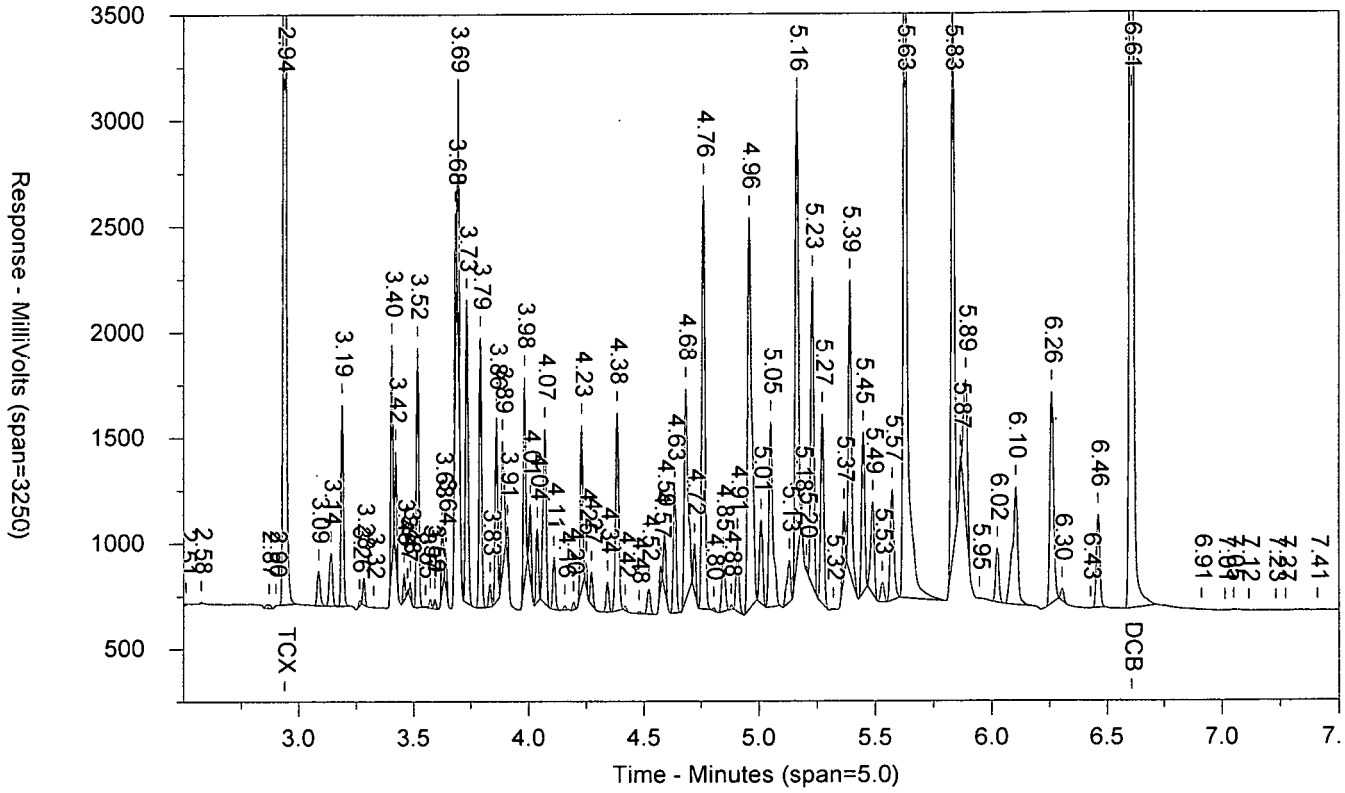

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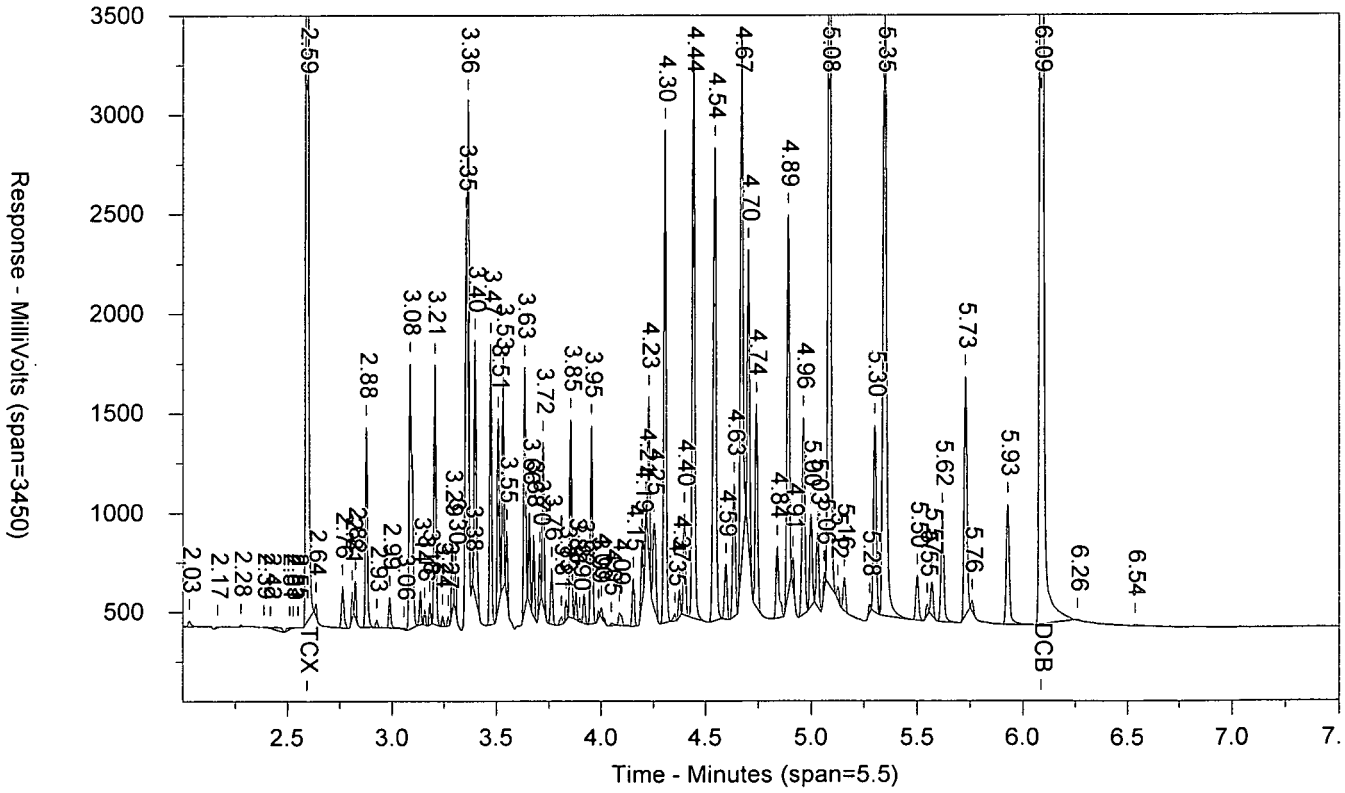

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 12:51:06 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 I
2.938	11357190	40.312	TCX	2.592	11708880	36.669	TCX
6.606	7339734	38.289	DCB	6.086	11280760	35.927	DCB

Files:
Area File: 07pcbs17282001.0031.RAW
Area File: 07pcbs17282001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:34:04 PM
File Reported On: 10/10/2017 at 2:36:37 PM

IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 808

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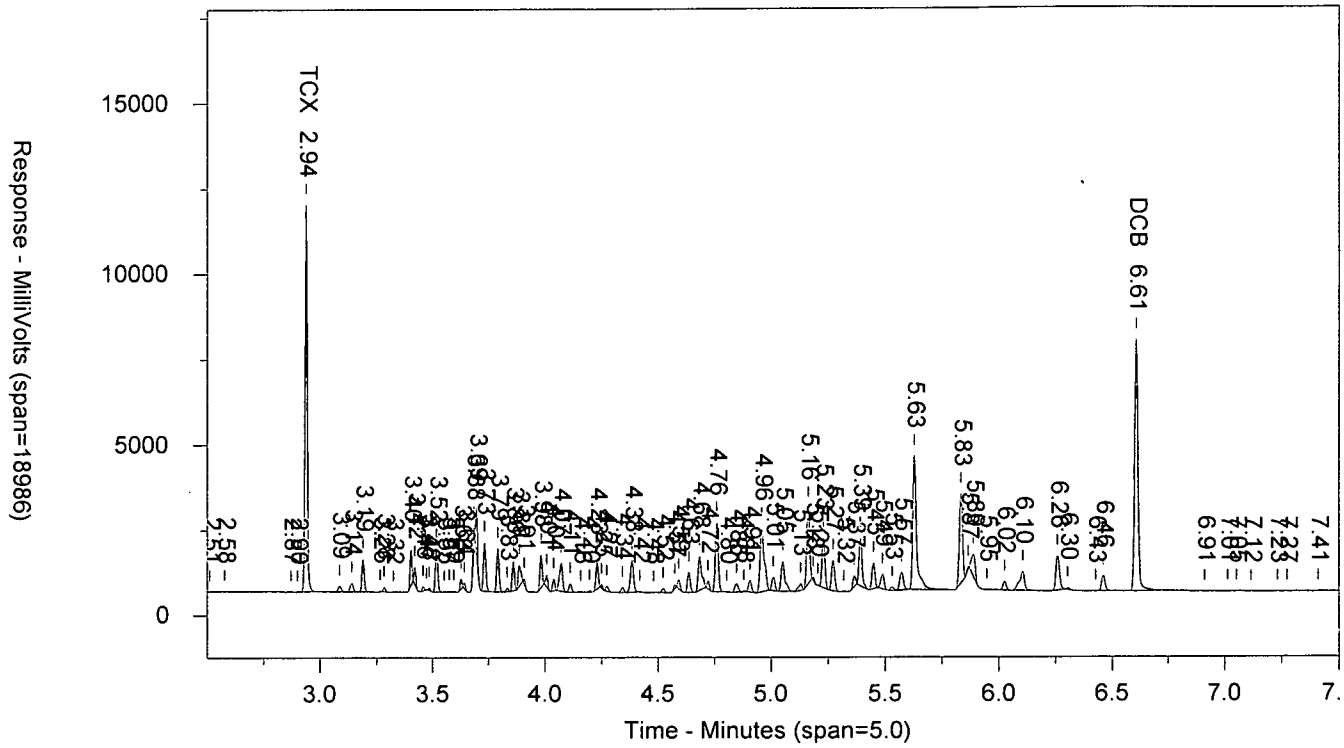

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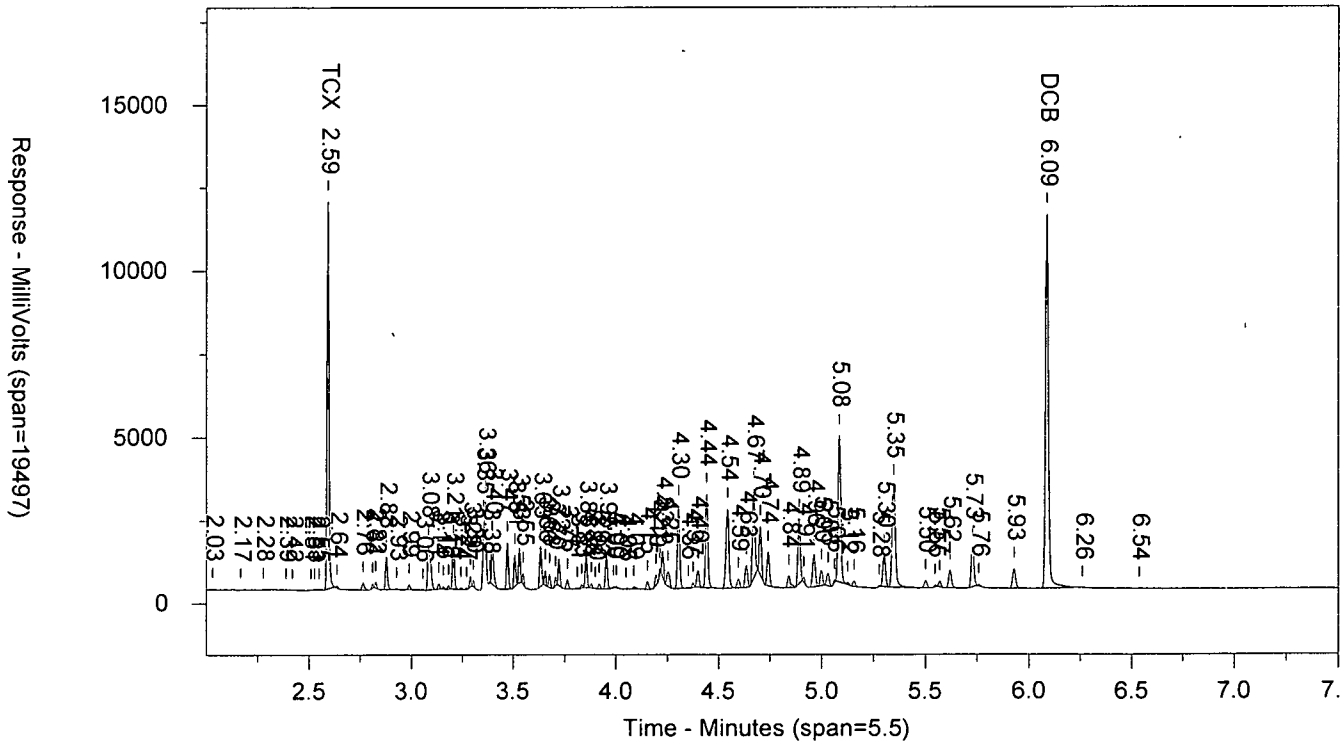

IC16X1724C AAIC16XAA CCAL 1728199999 10736 SW-846 808

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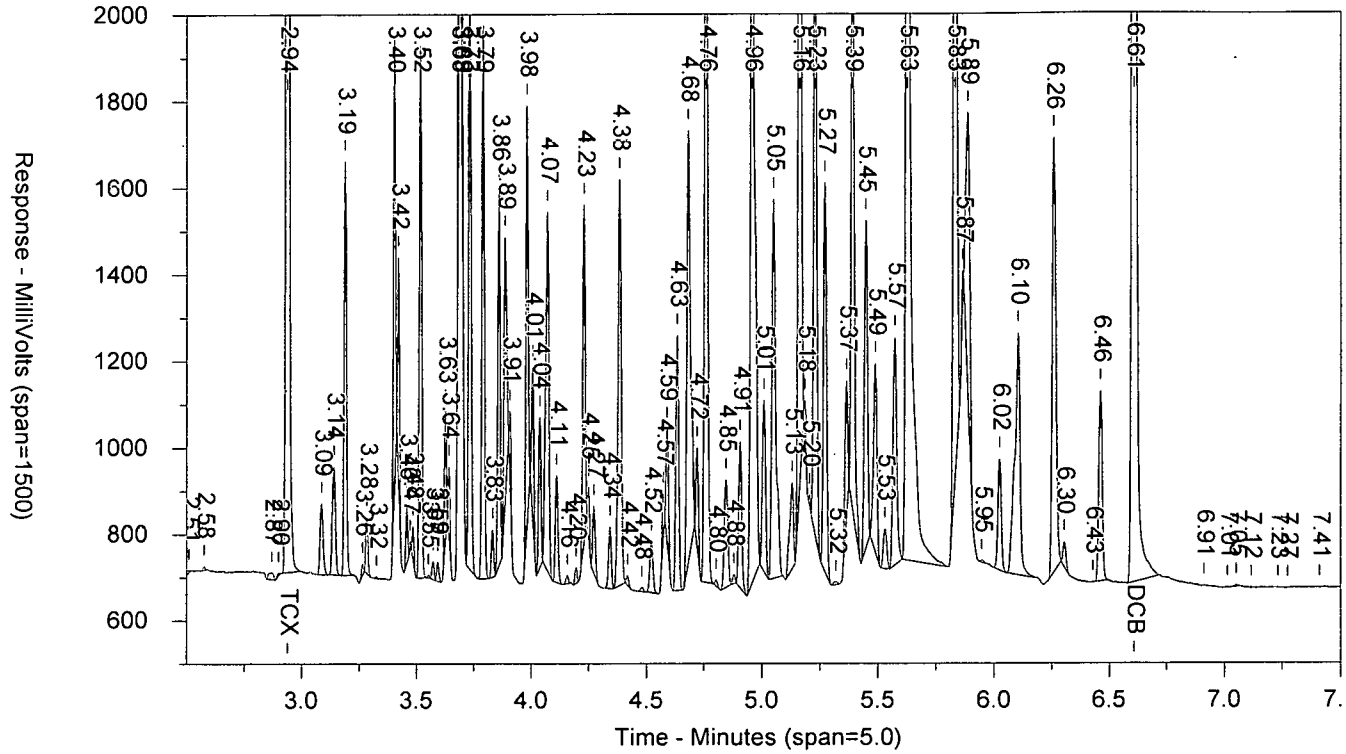

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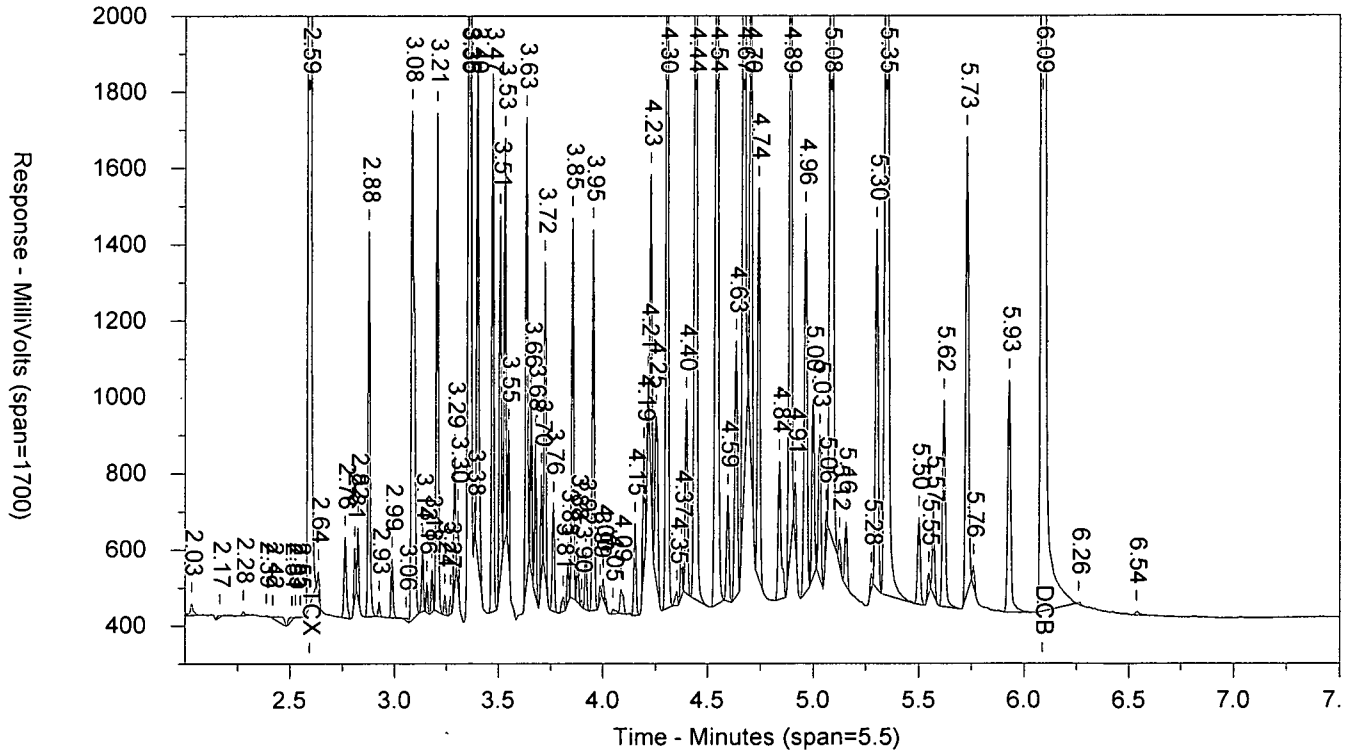

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:02:35 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: 07pcbs17282001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.623		4013	58100
1.754		2182	3056
1.78		2406	1345
1.918		2661	904
2.003		15753	27488
2.066		19670	61452
2.101		7153	14335
2.18		27605	56959
2.235		81905	70039
2.335		40297	47434
2.497		20843	23811
2.544		12331	16501
2.573		11323	8492
2.685		1977	953
2.786		10833	13569
2.829		7982	10467
2.863		4890	4878
2.938	TCX	16876010	11126110
3.036		6956	3657
3.086		159027	143700
3.139		270773	279344
3.189		940484	639216
3.265		37412	23548
3.282		113208	70052
3.404		992381	562677
3.42		463582	252271
3.457		121239	68234
3.473		19282	6852
3.484		69856	35916
3.518		1121268	830707
3.553		6778	3052
3.573		54856	34005
3.593		35025	21816
3.627		263630	152185
3.641		141193	69169
3.684		617662	330699
3.695		1164904	570965
3.732		1326271	1003837
3.791		1146783	865474
3.832		94977	67488
3.859		736056	538728
3.886		587182	467264
3.907		150975	79542
3.982		860649	616129
4.006		331510	220670
4.038		360844	253990
4.071		948080	887374
4.11		311634	243777
4.157		40984	31312
4.197		60054	43362
4.23		336137	232927
4.249		288064	178708
4.272		275508	208116

RT A	Compound A	Height A	Area A
4.329		2422	1423
4.343		5901	3057
4.376		80379	69146
4.397		10238	4686
4.42		7463	4305
4.522		6998	7460
4.571		9896	7364
4.611		4374	8377
4.636		5766	4525
4.657		1870	595
4.685		2188	470
4.716		2502	1356
4.759		4108	3113
4.847		4122	3824
4.88		11900	9040
4.962		5720	5955
4.972		2621	1122
5.043		4424	3245
5.097		1383	509
5.123		22862	21643
5.162		6604	6283
5.344		2167	15693
5.393		2400	3968
5.444		1388	3542
5.483		2530	2885
5.528		16799	17686
5.574		2129	1612
5.651		62848	66723
5.766		1440	411
5.787		1890	584
5.832		14733	17116
5.879		9930	10650
5.951		3607	3861
6.023		199257	203547
6.087		204643	219745
6.159		1117	450
6.237		1845	2400
6.26		5975	5529
6.303		2169	660
6.317		1585	700
6.344		2341	1030
6.384		2288	1581
6.433		1360	770
6.458		151678	153840
6.559		1598	837
6.57		1293	270
6.605	DCB	11072880	11170460
6.99		1283	337
7.049		7510	8220
7.171		1979	539
7.21		2242	651
7.238		1584	890
7.378		1621	750
7.412		2297	633
7.433		1426	803
7.544		1932	590
7.687		1868	487
7.806		1517	343
7.927		1274	309
7.997		1491	413
8.04		1896	666
8.054		1487	755
8.09		1489	624
8.176		1423	350
8.194		1438	725
8.210		994	295

RT A	Compound A	Height A	Area A
8.348		1435	559
8.361		1244	309
8.376		1276	422
8.408		1519	953
8.558		1664	653
8.616		2397	889

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:02:35 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: 07pcbs17282001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.647		3344	13827
1.723		13210	7363
1.77		28336	66050
1.845		23281	130249
1.904		130883	163621
1.963		14873	38281
2.03		39854	32329
2.127		9598	14147
2.163		7076	8935
2.276		12444	31141
2.363		2882	2548
2.388		8067	59654
2.502		10609	15534
2.527		12067	11386
2.592	TCX	17271720	11089040
2.636		49852	22974
2.763		208531	163541
2.809		204792	103235
2.824		171969	84456
2.877		992726	657529
2.926		57668	33828
2.987		141238	97152
3.051		5976	8039
3.084		1235372	1261862
3.136		162245	98627
3.156		71186	41446
3.182		106140	59760
3.206		1222231	819820
3.243		44876	26857
3.27		68189	34934
3.289		319096	163527
3.304		182804	87521
3.355		541026	268382
3.364		1262252	540912
3.384		43798	13511
3.397		1189240	829789
3.471		1305809	832195
3.507		825408	526778
3.53		906165	515447
3.548		304409	153146
3.633		1154239	742733
3.655		428421	229191
3.676		419933	244677
3.704		272892	140909
3.722		949534	592103
3.762		346837	256018
3.811		41422	33325
3.833		232270	145143
3.855		535006	354131
3.879		263745	157300
3.898		38617	18787
3.918		14545	7704
3.952		24238	15009
3.987		27762	15398

4.001		24852	11109
4.049		13710	12244
4.128		7893	14161
4.153		4802	3305
4.212		5411	4425
4.304		5927	4430
4.414		20120	25870
4.44		5312	4752
4.555		8037	11761
4.591		4397	3314
4.64		33387	32261
4.669		10103	19502
4.889		5908	5266
4.957		6759	6747
5.033		15472	16042
5.083		6825	7051
5.156		46014	40432
5.195		4436	6603
5.276		2355	1566
5.302		5932	4764
5.348		15524	16837
5.5		198206	186992
5.568		208945	194201
5.617		14204	12438
5.727		8049	7177
5.818		2113	2901
5.88		4141	3632
5.927		238283	239721
6.051		1631	719
6.086	DCB	18395320	17778670
6.416		2957	2556
6.539		13805	14247
6.707		2667	3083
6.96		1467	887
8.074		2264	4357
8.166		8962	18071

AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 80

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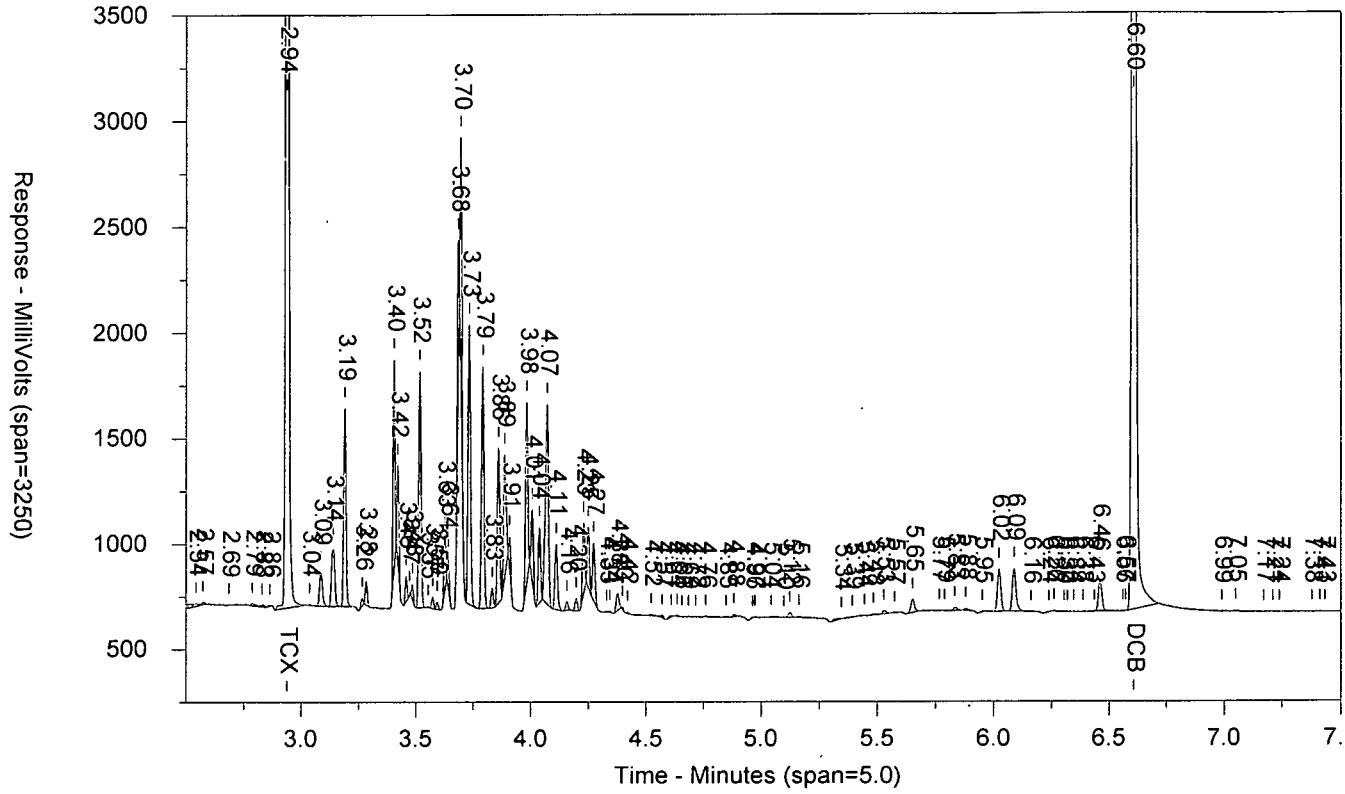

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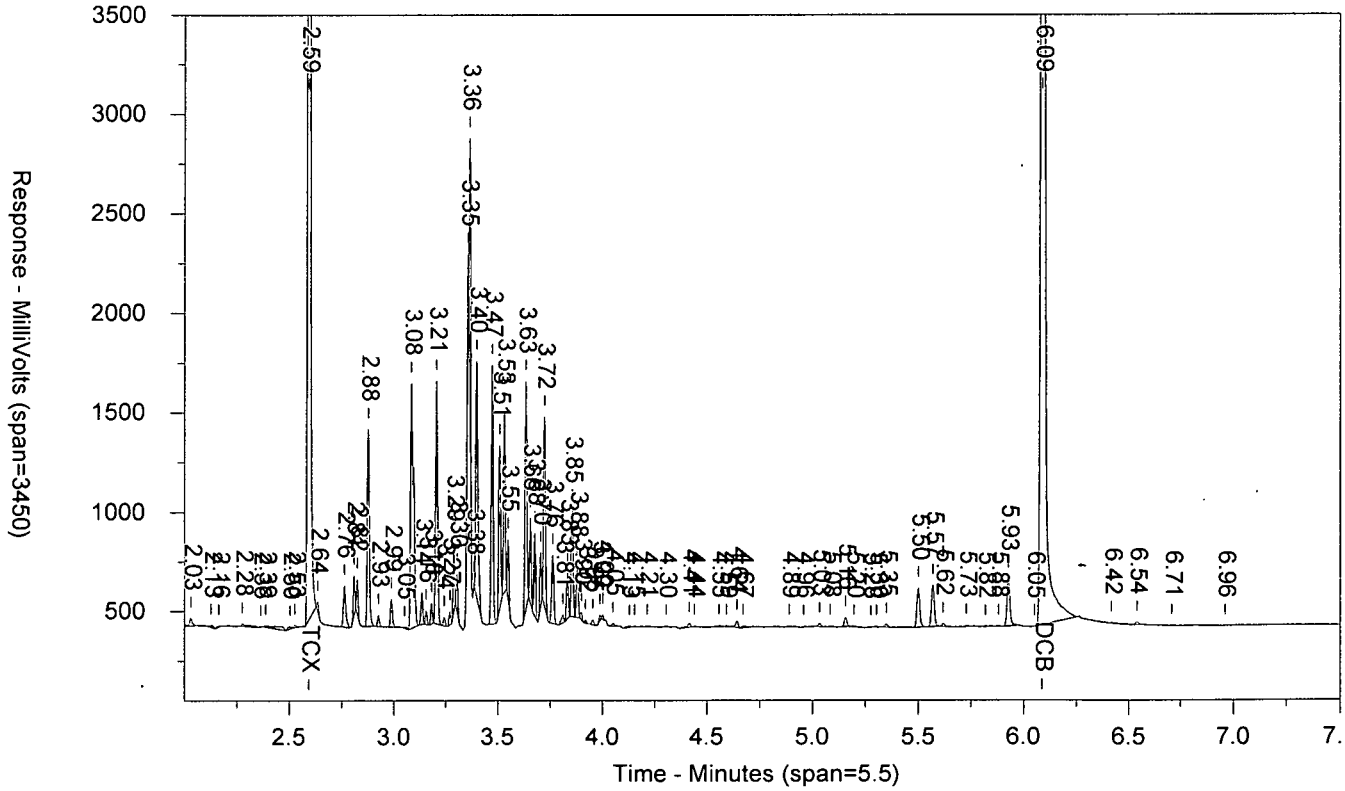

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:02:35 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 I
2.938	16876010	59.901	TCX	2.592	17271720	54.091	TCX
6.605	11072880	57.764	DCB	6.086	18395320	58.586	DCB

Files:
Area File: 07pcbs17282001.0032.RAW
Area File: 07pcbs17282001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:34:04 PM
File Reported On: 10/10/2017 at 2:37:00 PM

AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 80

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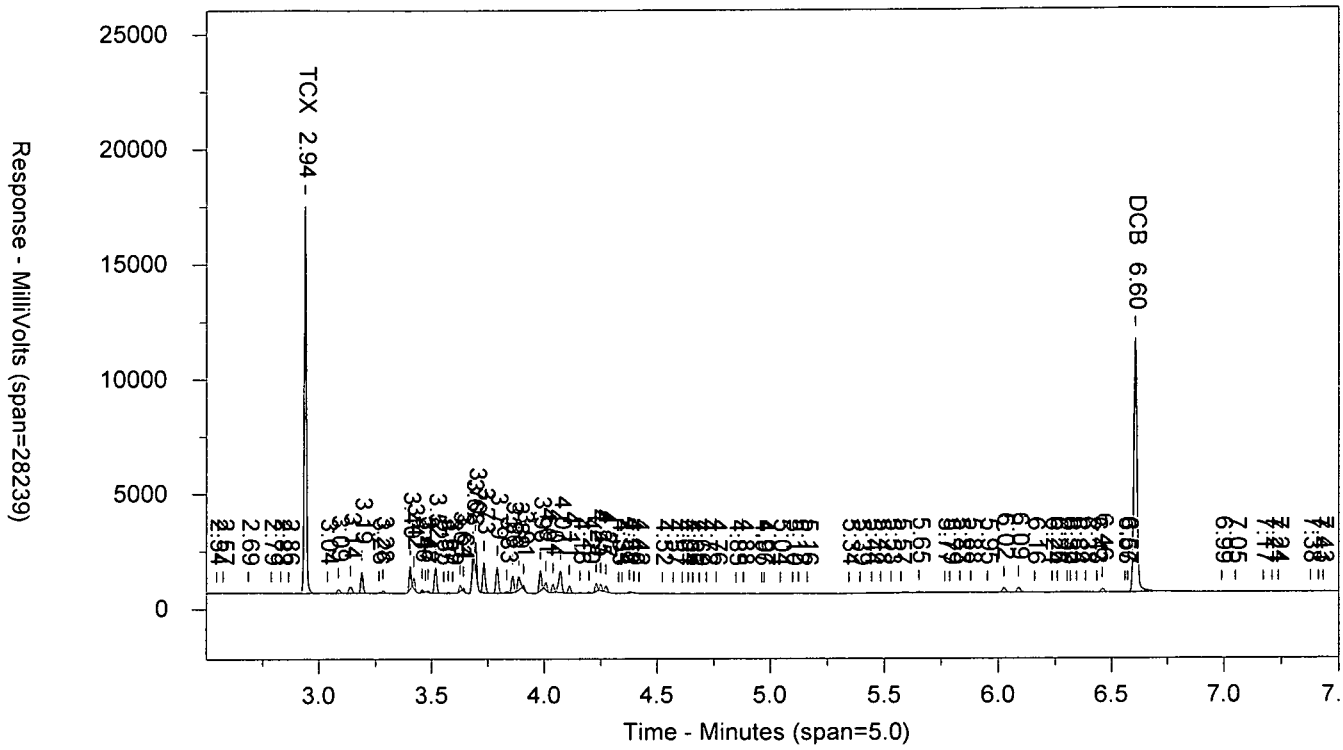

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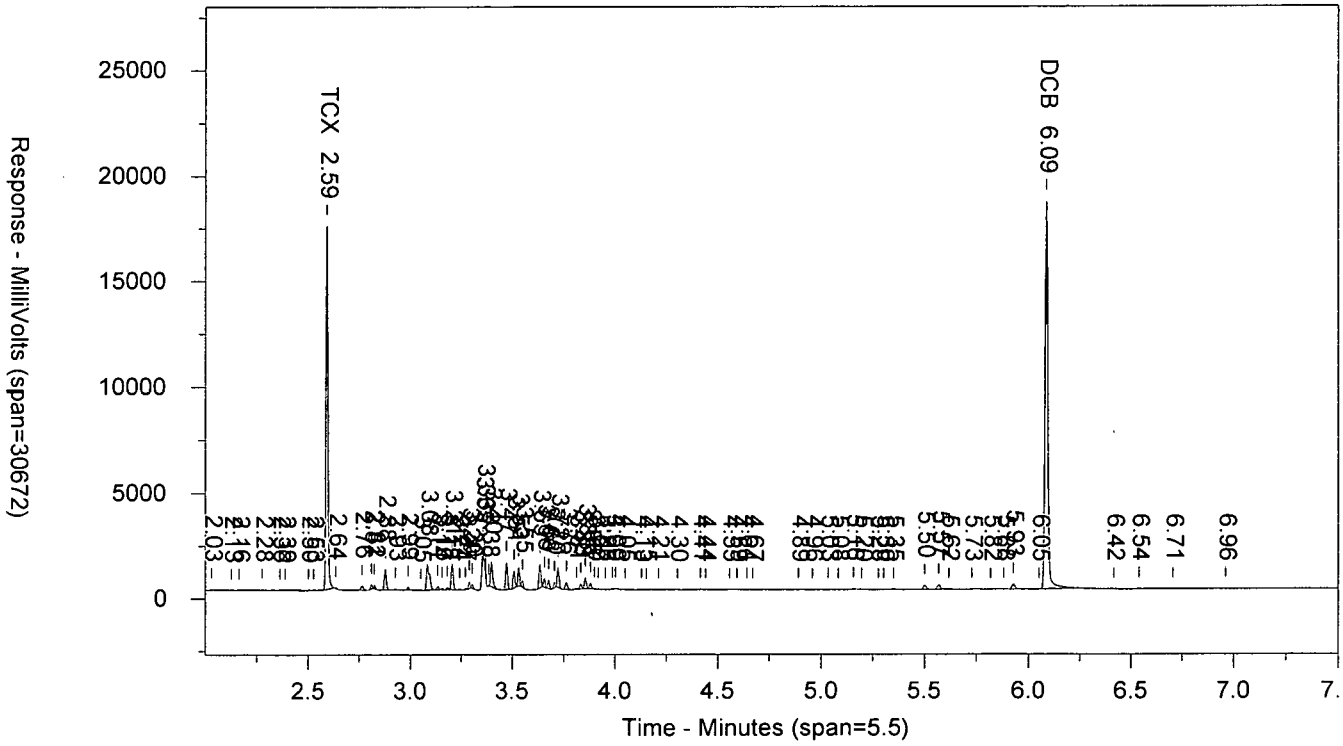

AR16XX1724B AAAR16XAA ICAL 1728199999 10736 SW-846 80

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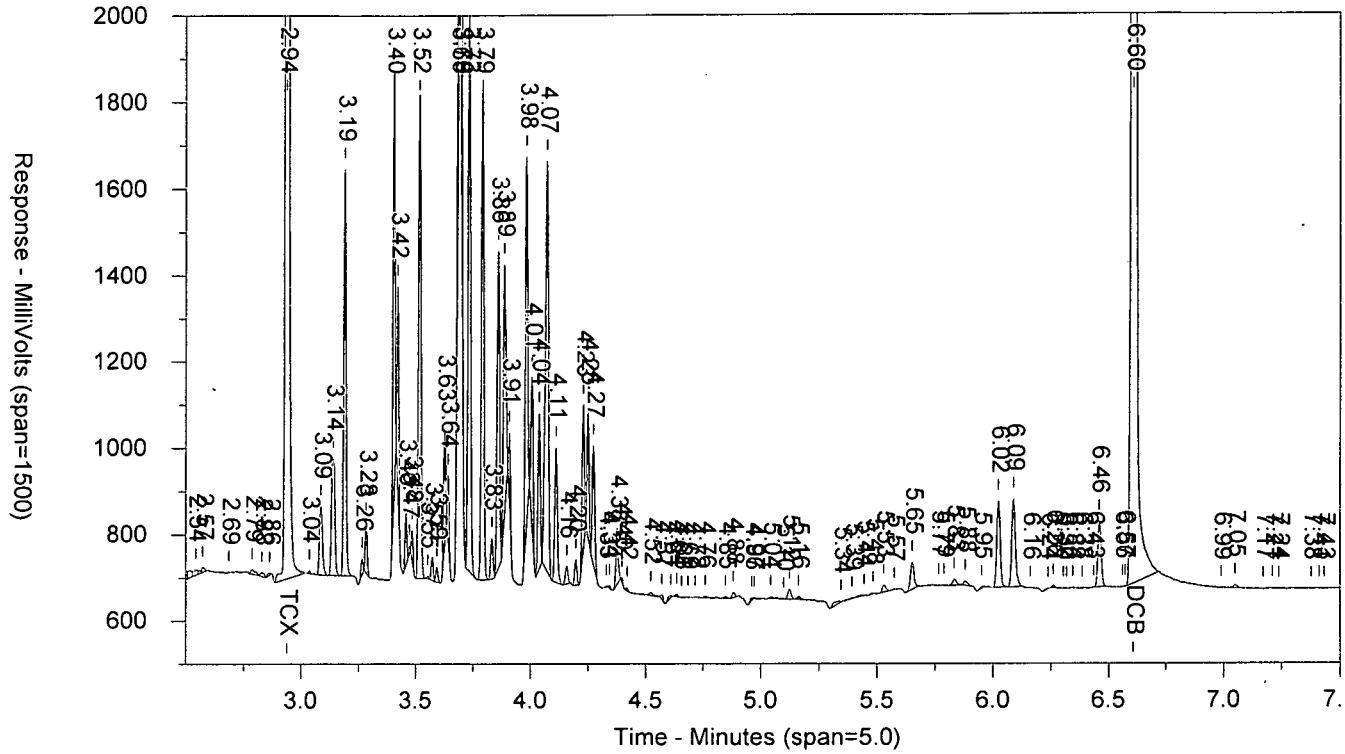

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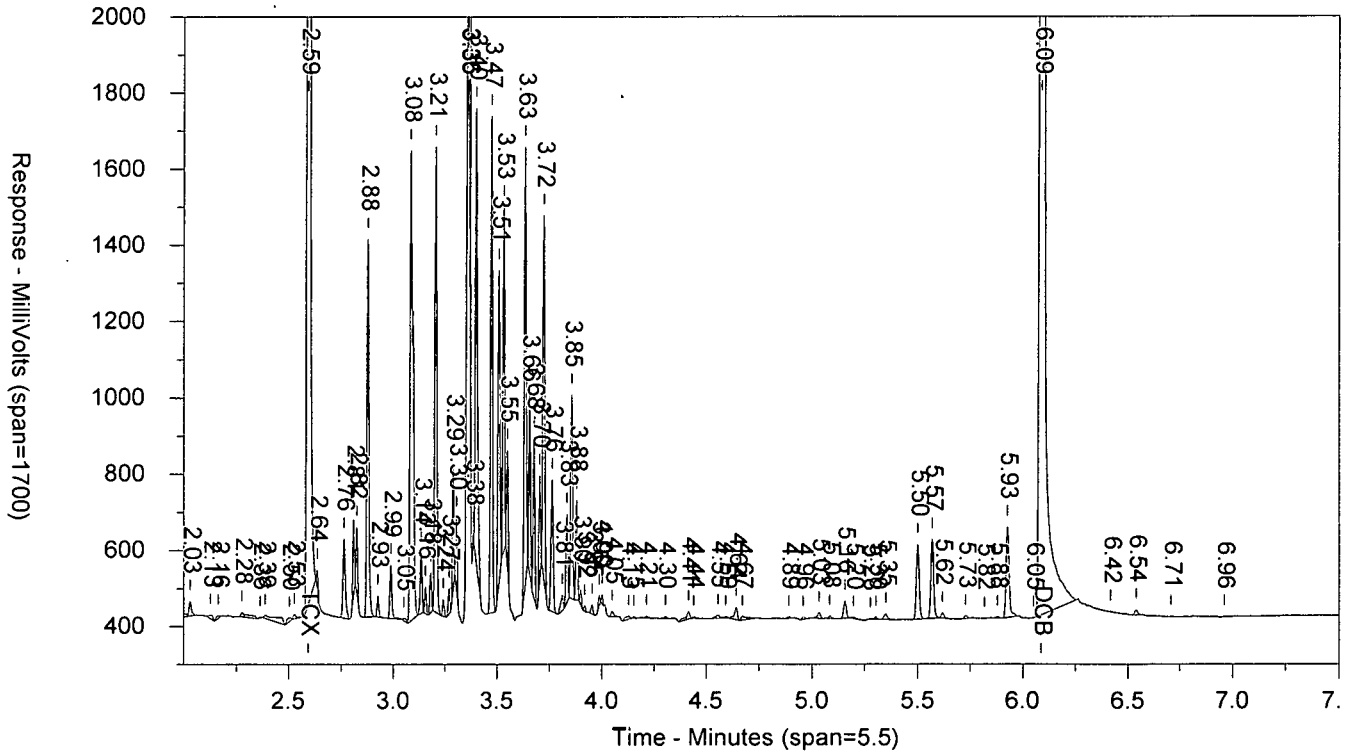

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:13:59 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: 07pcbs17282001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.613		5576	42488
1.71		2292	1011
1.789		2574	2687
1.916		2901	1374
2.005		20031	42029
2.053		29159	46247
2.124		5193	29798
2.179		3124	7035
2.235		49594	37808
2.341		23515	28562
2.52		3707	19900
2.714		2043	806
2.863		7857	7266
2.908		5317	10200
2.937	TCX	10894880	7275434
3.037		3872	1968
3.087		26779	29145
3.135		157458	117743
3.189		140952	99189
3.265		29408	19443
3.282		34762	21277
3.404		504367	303645
3.42		154858	78708
3.457		36023	21309
3.474		10838	11052
3.518		479746	350004
3.573		46040	28424
3.594		27316	17758
3.626		98959	58655
3.641		26408	11806
3.684		473572	253407
3.695		450078	193512
3.731		601596	473637
3.79		670374	515120
3.832		106605	74624
3.859		1173033	831439
3.886		743810	596588
3.908		223816	111948
3.982		1320304	942896
4.006		416722	270398
4.038		496463	355356
4.071		1163600	1061235
4.11		405000	321311
4.156		41691	31480
4.196		130648	104266
4.229		1025298	678638
4.249		1285327	808822
4.272		1534970	1124365
4.342		140467	126026
4.377		1058577	860414
4.396		313664	163667
4.419		359495	244921
4.459		23904	14439

RT A	Compound A	Height A	Area A
4.481		88194	66665
4.523		417341	378044
4.573		589711	488400
4.605		355376	280544
4.634		1003134	859903
4.682		12164	8350
4.717		352668	339076
4.76		74837	90280
4.806		90654	82967
4.847		573461	521103
4.879		7185	4580
4.925		62884	86468
4.96		30291	26382
4.972		21370	13169
5.044		452390	464539
5.091		13289	9187
5.121		24752	27757
5.163		133941	122068
5.184		6614	2659
5.202		8216	5036
5.231		5419	2787
5.272		13988	15651
5.328		3804	14322
5.37		44549	39085
5.393		7486	4292
5.447		2482	1745
5.486		747	1453
5.531		10847	11701
5.568		32389	28147
5.594		10427	14246
5.652		57222	83660
5.771		1951	477
5.785		1435	796
5.833		31601	33544
5.864		1150	328
5.881		17237	51627
5.96		7824	18066
6.024		151721	151712
6.087		157090	172346
6.26		15080	40333
6.335		1385	1004
6.434		1474	626
6.458		121530	120644
6.498		2191	1300
6.605	DCB	6856197	7310549
6.752		4283	4245
7		1773	1238
7.019		1768	663
7.055		4700	5533
7.134		2266	498
7.192		1521	420
7.285		2259	1940
7.395		1633	370
7.436		1606	730
7.453		1497	467
7.593		1781	462
7.941		1770	1096
8.014		1507	1780
8.051		1029	534
8.153		1283	421
8.214		2059	462
8.25		1316	927
8.383		1264	523
8.437		1712	525
8.507		1744	539

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:13:59 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: 07pcbs17282001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.531		1476	989
1.647		3306	3580
1.724		7059	3796
1.771		16129	25815
1.845		11379	55169
1.904		82462	97632
1.962		9911	25263
2.03		28126	27128
2.169		3493	7445
2.266		1083	2156
2.301		2831	9400
2.389		4404	5043
2.512		7058	21024
2.527		3067	2226
2.567		1598	611
2.592	TCX	11603960	7472925
2.766		35609	49117
2.81		179214	144367
2.877		152187	105190
2.926		38518	23666
2.987		45768	34400
3.054		9144	9573
3.084		644223	602772
3.135		46869	27847
3.158		17512	11633
3.182		11046	5819
3.205		501603	353792
3.245		25740	16605
3.27		49359	26064
3.289		108833	59049
3.304		35816	19306
3.355		390318	204491
3.364		498707	212771
3.384		99682	39993
3.397		488768	312832
3.471		766014	495921
3.507		1287631	811315
3.53		1159579	654717
3.548		398948	202524
3.633		1634587	1068261
3.655		537919	280990
3.676		567542	335789
3.705		254714	130144
3.721		1205159	732044
3.762		477069	334570
3.811		93580	78469
3.832		787352	500535
3.855		2238583	1426552
3.879		1604924	986156
3.898		111355	51296
3.918		132543	74906
3.953		668451	476440
3.987		1214677	920734
4.015		632188	354233

4.062		89537	70483
4.097		339959	270076
4.153		711652	545220
4.185		426533	298379
4.213		1107718	815175
4.25		17888	15753
4.305		437358	419549
4.342		111709	84022
4.374		582967	457941
4.44		71574	47920
4.464		52504	36029
4.538		98659	108576
4.59		643605	554480
4.632		34290	36946
4.67		183335	189357
4.715		19038	12776
4.739		3825	2827
4.857		8598	6099
4.89		8525	5979
4.913		69935	66218
4.962		11200	11770
5.001		2646	1903
5.031		8577	7087
5.062		24917	18659
5.084		14662	14488
5.155		30461	27273
5.197		7475	20509
5.276		4715	7683
5.301		9244	7827
5.348		24901	28515
5.501		135220	125105
5.569		142017	142382
5.618		10269	8931
5.73		9491	8911
5.824		3990	6556
5.928		159894	146419
6.087	DCB	10992650	10984340
6.538		9388	8431
6.765		1755	446
6.813		1892	2177
7.125		1030	1308
7.586		1939	2350
7.97		3137	18054
8.168		9904	19420
8.356		1763	11220

IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082

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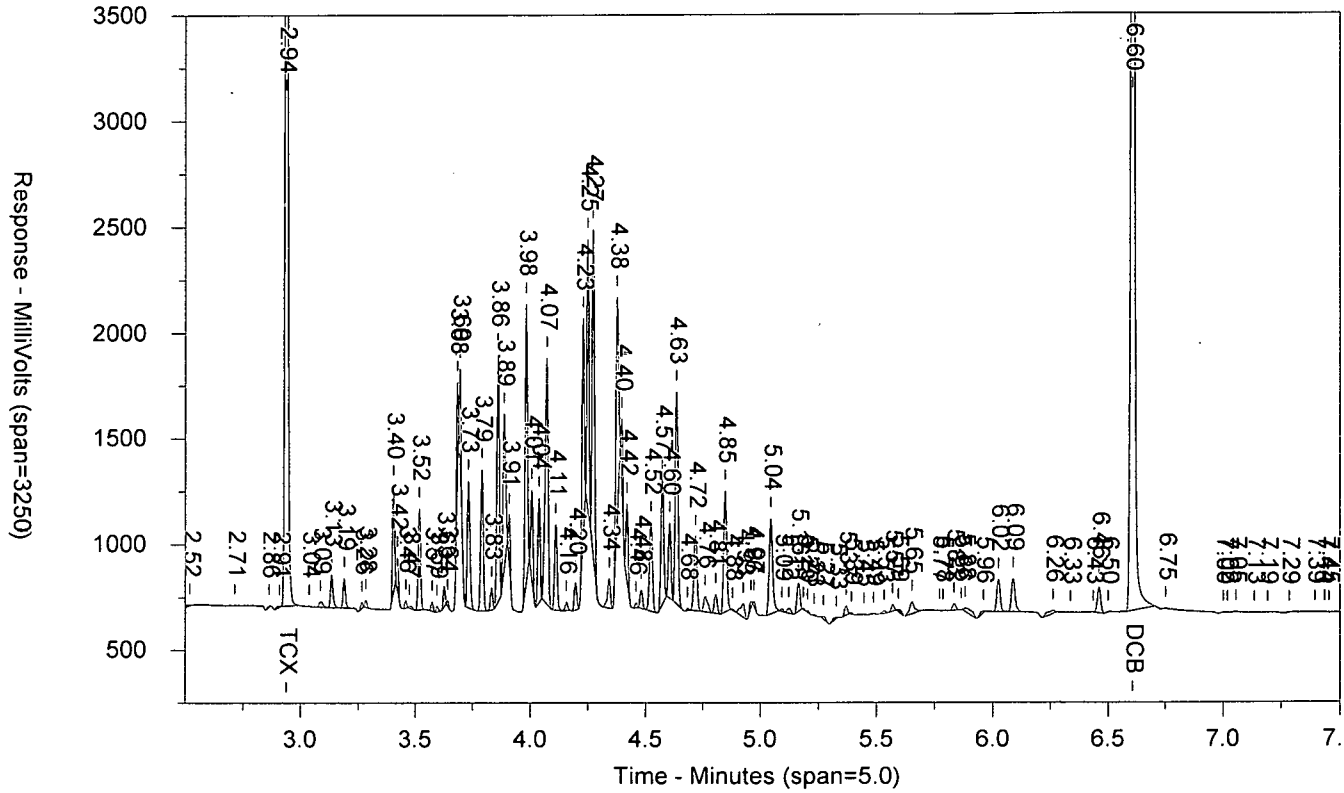

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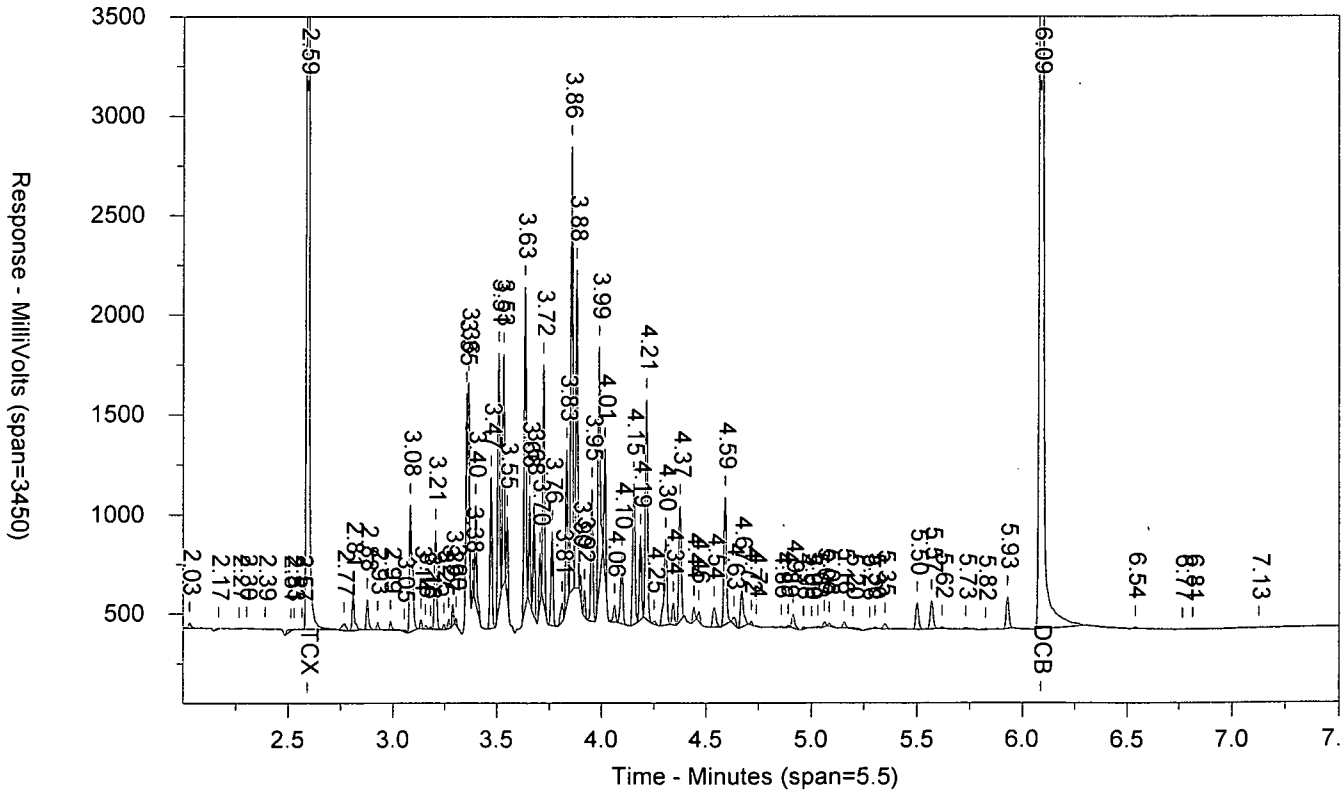

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:13:59 AM
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 I
2.937	10894880	38.671	TCX	2.592	11603960	36.341	TCX
6.605	6856197	35.767	DCB	6.087	10992650	35.01	DCB

Files:
Area File: 07pcbs17282001.0033.RAW
Area File: 07pcbs17282001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:34:04 PM
File Reported On: 10/10/2017 at 2:37:20 PM

IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082

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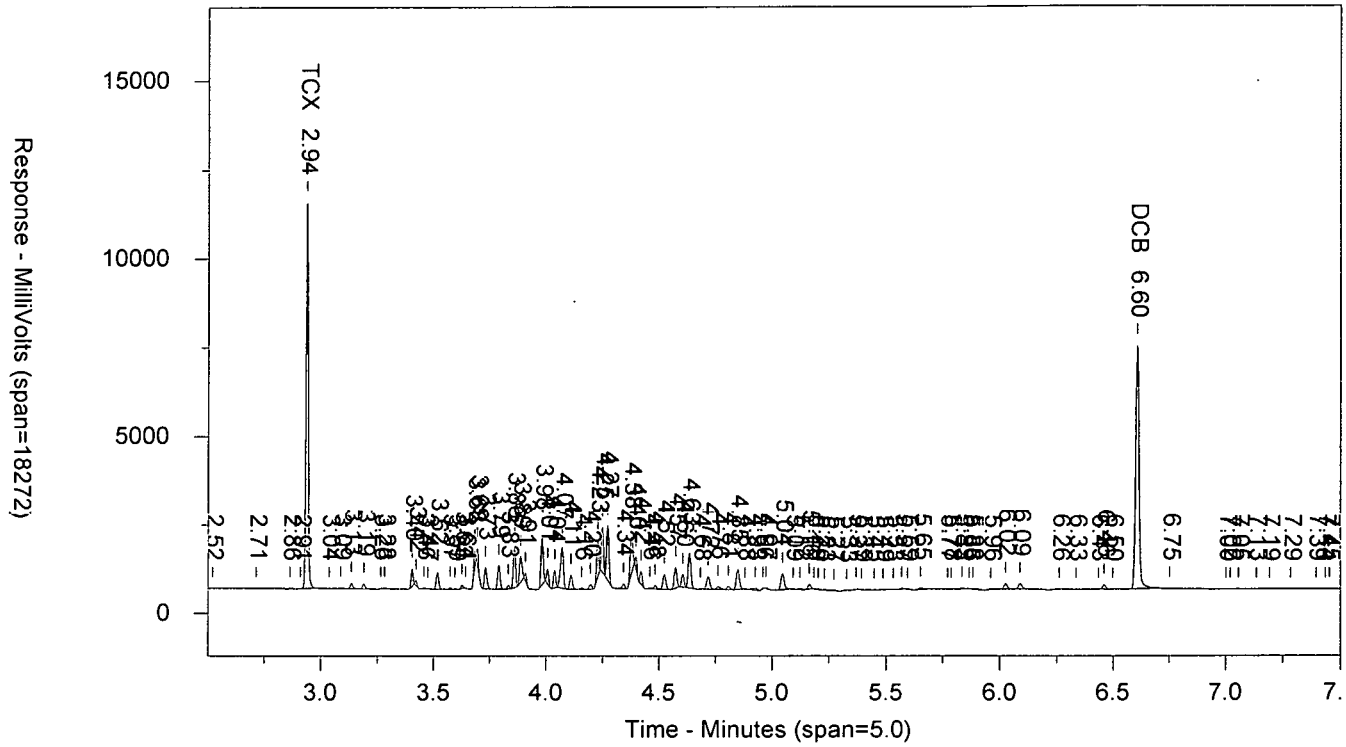

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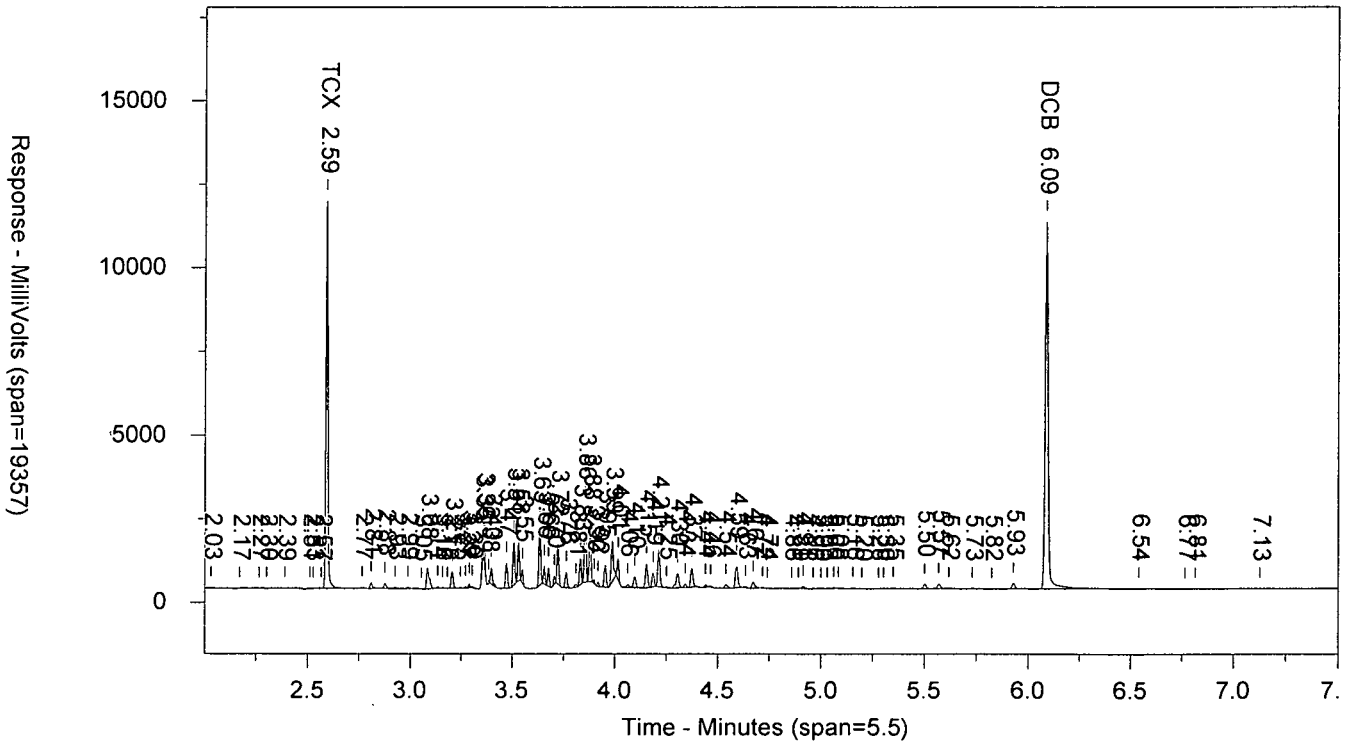

IC48X1724B AAIC48XAA CCAL 1728199999 10736 SW-846 8082

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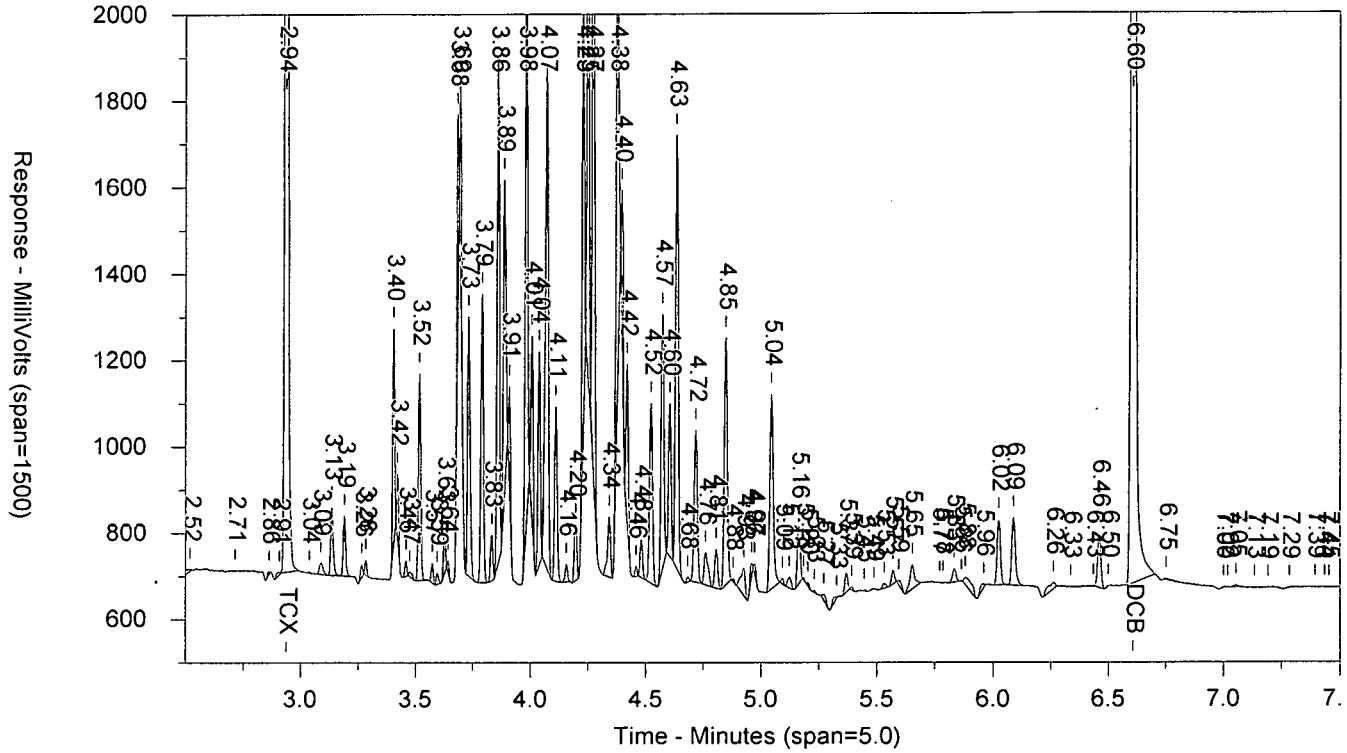

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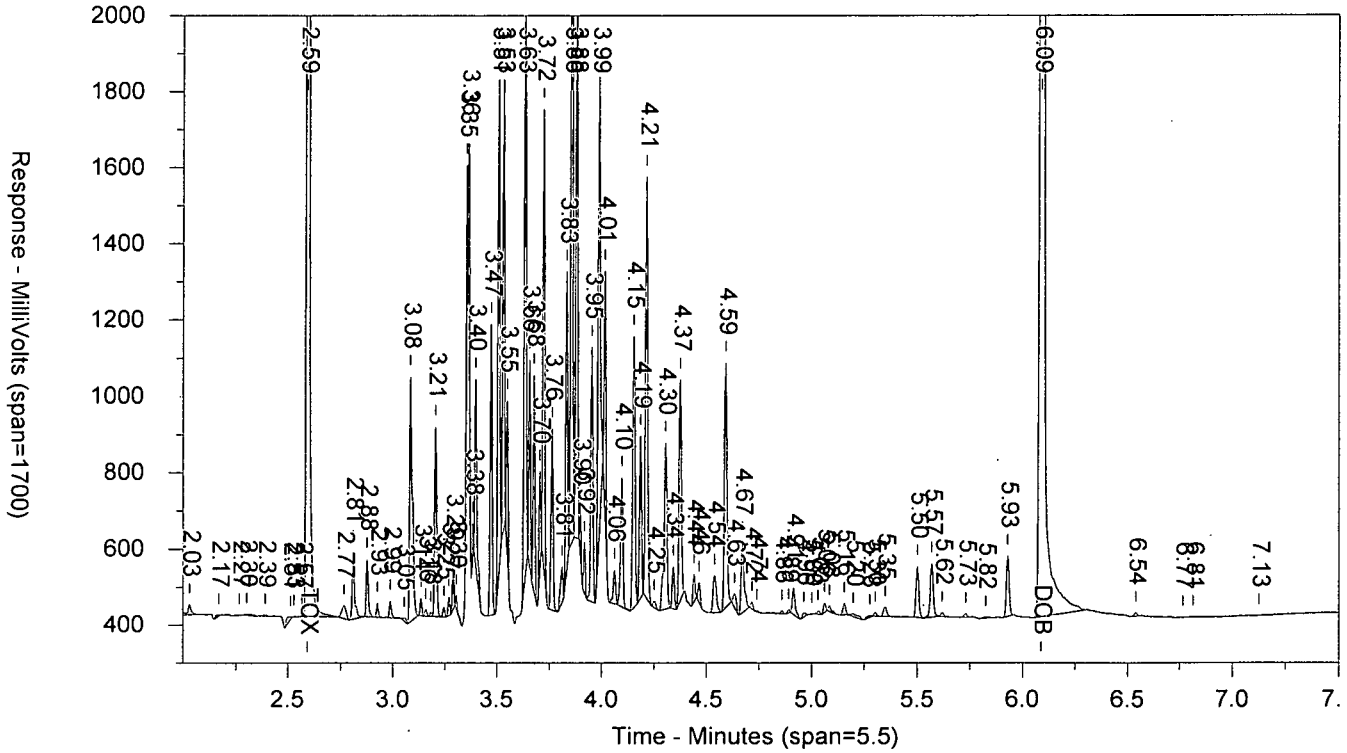

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:25:30 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: 07pcbs17282001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.517		2325	1547
1.611		8237	37999
1.789		2081	2064
1.997		6041	17520
2.055		26095	34934
2.109		21029	46818
2.176		13595	21913
2.235		27845	22815
2.334		41813	35420
2.443		3247	1767
2.499		13702	17070
2.516		10550	10182
2.545		4414	3028
2.785		8365	6591
2.867		15356	23040
2.907		4199	7462
2.938	TCX	5357509	3612079
3.087		7530	6843
3.135		78878	54251
3.189		26095	17542
3.264		20599	16088
3.404		36837	22773
3.419		7875	4556
3.474		12587	9881
3.518		41522	31989
3.573		21832	13147
3.595		30904	21609
3.627		7512	4135
3.683		35104	19404
3.695		18526	14864
3.733		75411	61670
3.791		52502	42963
3.831		7730	4660
3.859		1066290	780560
3.885		309828	277321
3.926		1988	617
3.982		670884	515241
4.006		44463	27650
4.037		72896	52179
4.07		326725	274931
4.11		63268	50851
4.144		5662	3293
4.173		4477	2120
4.195		61957	45124
4.23		1571599	1121895
4.248		630544	363518
4.274		528138	432716
4.342		530528	439756
4.384		2533353	2714172
4.419		1043068	824462
4.458		44004	28340
4.481		191050	144740
4.523		969211	845264

RT A	Compound A	Height A	Area A
4.573		1743020	1469470
4.603		440054	297596
4.634		3494402	3014267
4.683		192765	130628
4.698		64885	27168
4.718		437781	334782
4.738		4326	955
4.759		1041384	1032857
4.805		212899	187362
4.847		1968583	1797967
4.876		36345	21947
4.906		189632	156100
4.924		26360	16796
4.957		609512	436915
4.971		169554	112277
5.008		24971	19754
5.044		1140353	1262595
5.091		151758	119768
5.116		66424	43259
5.127		33432	23651
5.163		1871050	1688702
5.184		106302	57174
5.202		67131	40482
5.228		80028	63113
5.271		100104	111285
5.314		2621	1406
5.369		529820	462260
5.391		130042	82373
5.447		91264	79201
5.487		86204	80712
5.528		18121	15185
5.568		420633	395292
5.594		46697	31317
5.628		397404	440880
5.718		3175	3988
5.833		373623	345175
5.862		48694	43140
5.951		2477	2423
6.023		70114	67648
6.086		74797	104673
6.229		2033	1083
6.259		20048	20499
6.306		1555	889
6.458		49006	49818
6.548		1107	451
6.604	DCB	3492236	3695880
6.864		1681	469
6.91		1824	911
7		2265	2372
7.02		2233	1143
7.046		1871	501
7.153		2025	1612
7.289		1165	818
7.319		1475	385
7.489		1245	317
7.944		1554	471
7.996		1298	400
8.02		1631	513
8.044		1555	486
8.075		1359	751
8.201		1804	508
8.224		1227	693
8.383		1012	844
8.435		1692	369
8.531		1254	613
8.557		1635	392

RT A	Compound A	Height A	Area A
8.576		1534	646
8.63		1846	466

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:25:30 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: 07pcbs17282001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.723		7075	4116
1.774		11477	25053
1.843		9376	41788
1.902		72263	70708
1.962		3295	3295
2.03		11927	8900
2.185		7705	28653
2.301		3055	9252
2.388		6421	6417
2.508		8195	15544
2.527		12224	10209
2.592	TCX	5941740	3894329
2.763		9987	14528
2.81		100720	75337
2.877		26155	20237
2.926		19669	12193
2.989		5022	5071
3.085		57069	67876
3.135		3858	2366
3.161		15845	11934
3.207		40551	32520
3.246		30975	21397
3.27		24042	12704
3.289		7505	3522
3.305		12136	10249
3.354		79082	85563
3.384		22648	10167
3.399		52656	41832
3.453		2351	1260
3.472		53591	36451
3.507		1219622	756350
3.53		381127	247713
3.632		795209	516101
3.655		57475	29348
3.676		84385	56808
3.705		35521	17036
3.721		301936	186241
3.762		81041	55689
3.802		61929	52623
3.832		243959	140037
3.854		2929804	1943014
3.879		289379	155188
3.898		298375	164801
3.918		527678	333084
3.953		2563196	1814518
3.984		938625	563380
4.001		535198	286110
4.061		200900	152774
4.097		943823	728452
4.153		2155994	1604551
4.185		619757	452301
4.213		3754795	2887925
4.251		274266	258390
4.305		1836581	1526510

4.341		258956	198087
4.373		2200962	1636411
4.397		329691	207805
4.44		1443427	1135903
4.464		55077	26850
4.538		1245649	1362388
4.59		1693202	1384332
4.631		424539	368512
4.669		2790442	2731859
4.715		182061	115768
4.74		90714	61127
4.798		29622	32252
4.839		8890	4660
4.857		123289	97494
4.89		121710	80985
4.913		808355	679369
4.963		107954	94076
4.998		93356	75114
5.03		57841	45169
5.062		367392	279463
5.084		308517	272942
5.155		19411	15668
5.3		17007	14367
5.342		399658	458184
5.501		67258	61680
5.548		13216	9320
5.569		62786	49313
5.618		19503	18264
5.727		26298	26850
5.883		1828	1961
5.927		83849	89470
6.086	DCB	5922855	6062620
6.54		3985	3664
8.168		9905	16689

IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082

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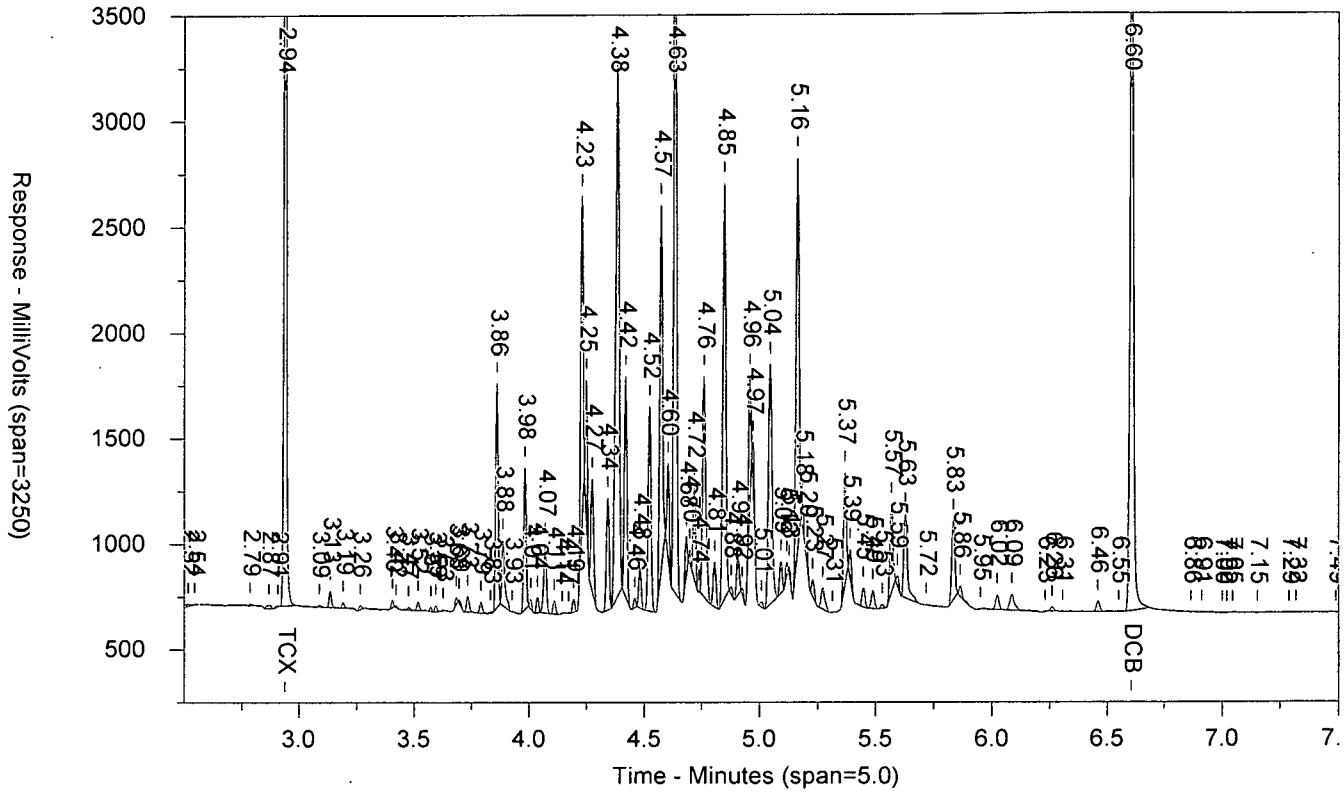

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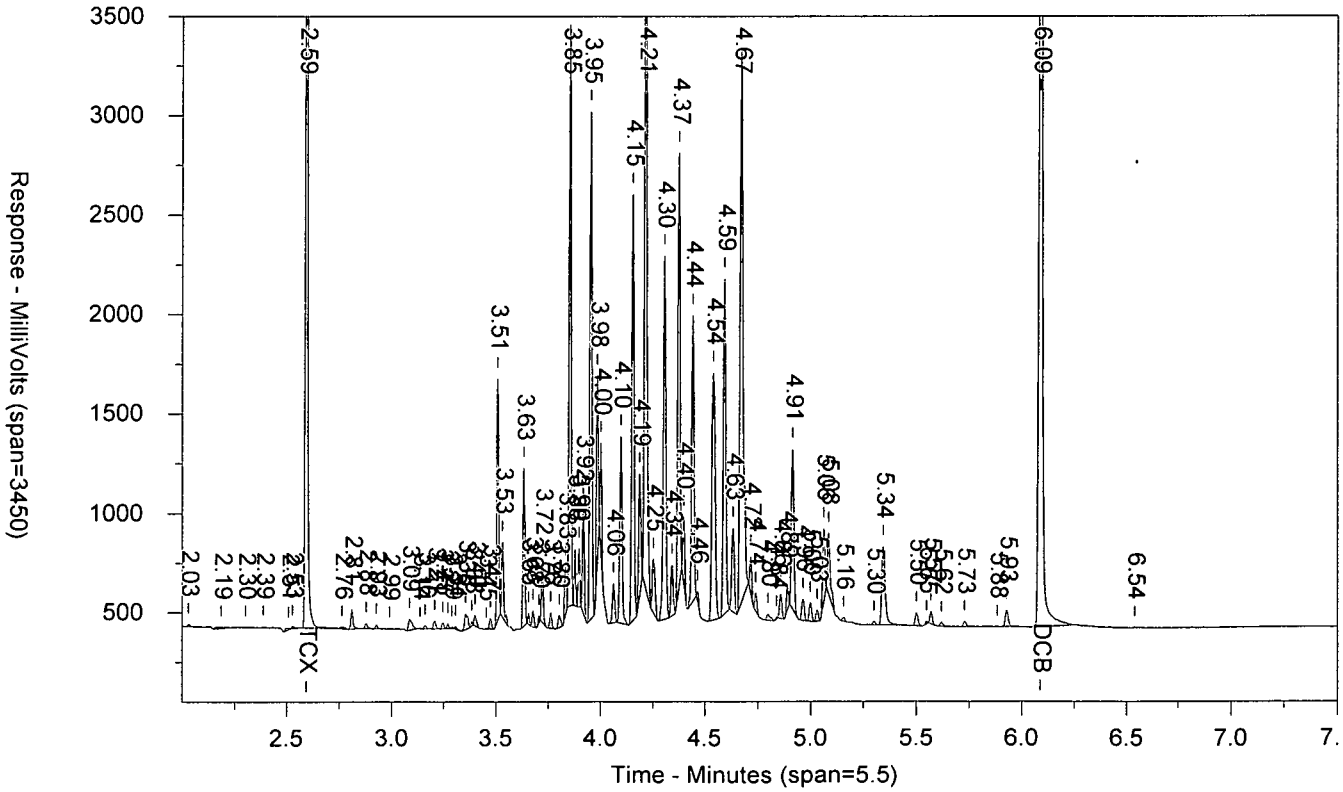

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082
Injected On: 10/10/2017 1:25:30 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
2.938	5357509	19.017	TCX	2.592	5941740	18.608	TCX
6.604	3492236	18.218	DCB	6.086	5922855	18.863	DCB

Files:
Area File: 07pcbs17282001.0034.RAW
Area File: 07pcbs17282001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/10/2017 2:34:05 PM
File Reported On: 10/10/2017 at 2:37:44 PM

IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082

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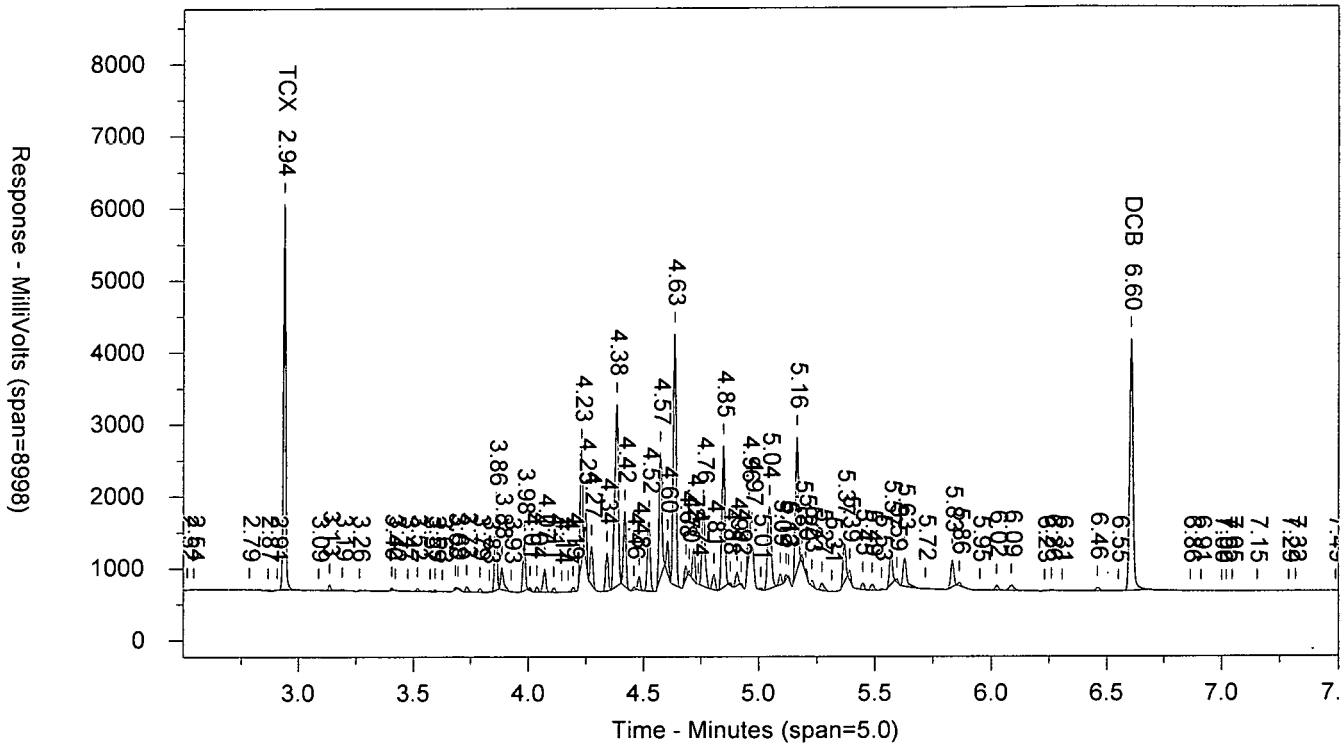

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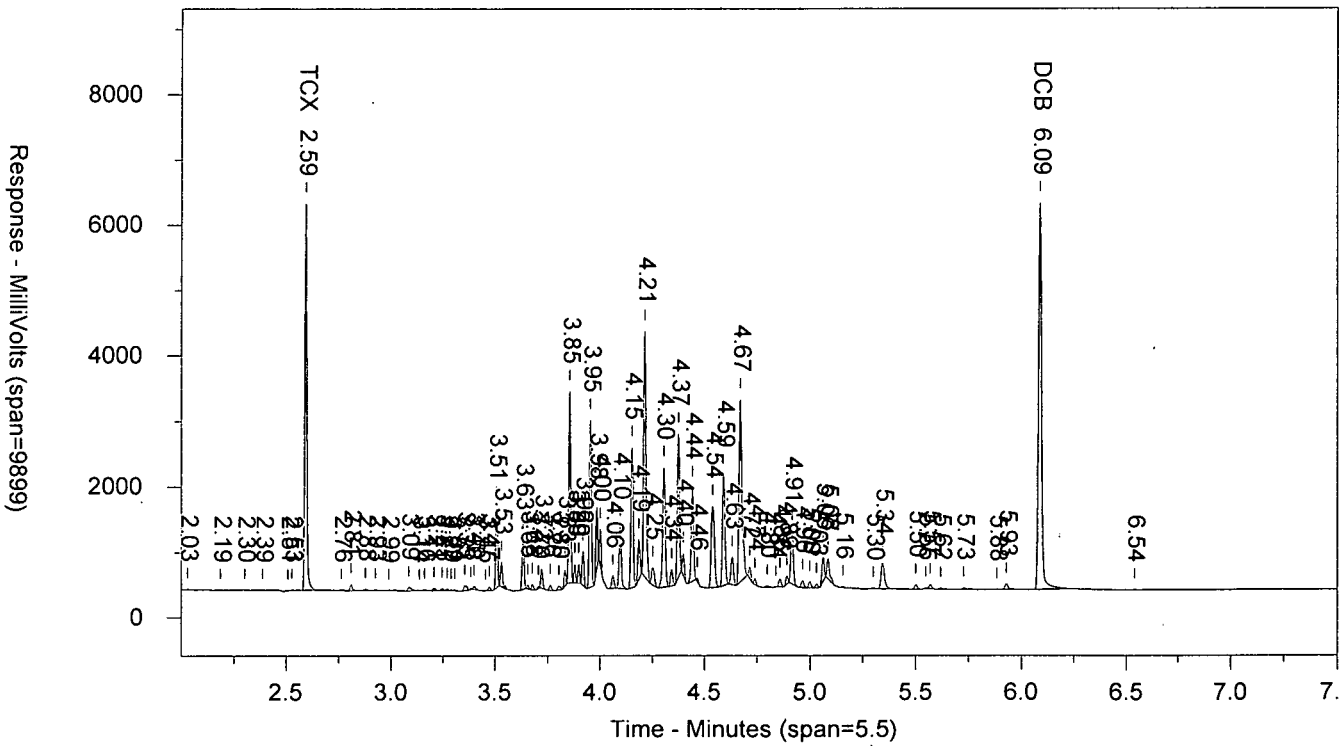

IC54X1724B AAIC54XAA CCAL 1728199999 10736 SW-846 8082

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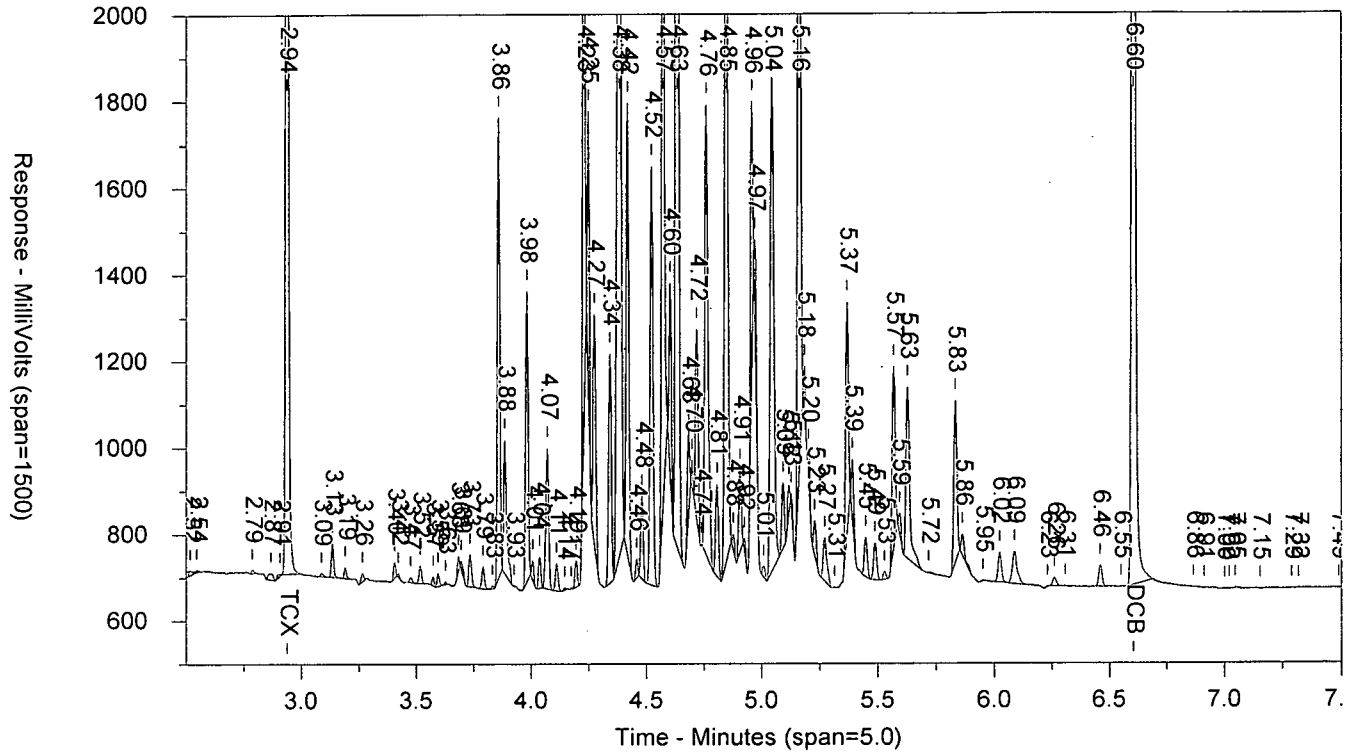

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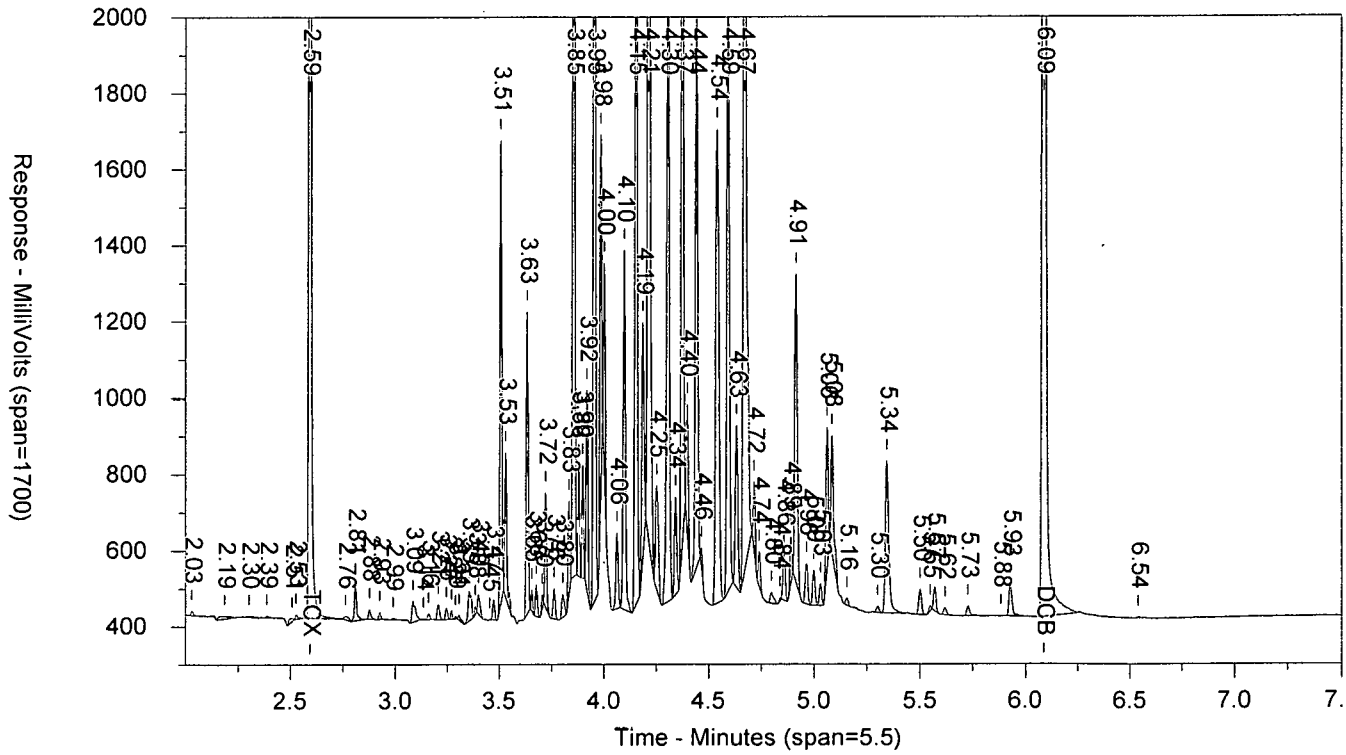

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 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: 25PCBS17284001.055.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		14022	13482
2.089		16595	32054
2.204		356	132
2.232		25956	20947
2.296		710	628
2.336		13222	14600
2.432		1031	759
2.491		9515	9629
2.533		1237	1131
2.57		8542	7357
2.652		719	664
2.691		460	522
2.713		454	286
2.747		2443	2476
2.779		20998	19916
2.843		1710	1488
2.897		6596	5319
2.932	TCX	6081197	4220747
3.029		1781	1226
3.078		109764	94028
3.133		130832	124465
3.182		491287	366471
3.26		8532	4472
3.275		54941	35360
3.317		1436	954
3.366		742	523
3.398		465493	282130
3.415		214526	115017
3.452		53829	30740
3.467		9750	3858
3.478		24581	11937
3.513		588610	465654
3.55		2136	1003
3.569		14477	8649
3.589		33630	21232
3.623		117620	69642
3.638		61892	31154
3.682		222189	130448
3.693		586791	306143
3.729		717692	552007
3.786		625359	471287
3.827		47603	33433
3.855		378301	289649
3.883		320542	484780
3.93		5061	2889
3.978		412939	309264
4.002		139484	89741
4.033		166920	120172
4.066		451289	466664
4.106		149949	122088
4.153		21064	18853
4.192		28932	18922
4.226		399211	289460
4.243		63794	33417

RT A	Compound A	Height A	Area A
4.268		118445	96527
4.338		66323	56328
4.381		447361	451428
4.415		20590	15735
4.474		11531	9385
4.515		145112	146398
4.568		66521	44607
4.585		92327	67245
4.629		280381	260614
4.678		402275	452185
4.715		102398	69913
4.754		958760	912359
4.797		26708	23516
4.839		169062	176096
4.874		53117	39229
4.9		163349	148754
4.952		1109536	1471058
5.003		227647	216775
5.042		547525	607925
5.085		9070	4518
5.12		139649	170121
5.155		1377928	1449258
5.196		23037	12431
5.222		653469	628273
5.265		421905	418857
5.327		3166	3617
5.359		189017	151697
5.385		701100	658797
5.44		379008	359941
5.479		221461	229529
5.52		79832	82906
5.563		252209	285359
5.62		1915260	2117038
5.713		1924	2295
5.77		813	648
5.823		1162790	1122464
5.854		70345	46079
5.879		271436	307043
5.92		673	379
5.959		5041	6417
6.016		100655	101705
6.094		260291	407041
6.173		503	443
6.202		976	1046
6.25		516731	529974
6.294		36088	34336
6.348		516	308
6.385		756	809
6.42		816	386
6.453		181908	185236
6.515		4332	6222
6.602	DCB	4231522	4293415
6.772		2832	4600
6.81		530	374
6.843		682	724
6.858		795	249
6.887		5870	10822
6.947		822	230
6.985		897	692

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 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: 25PCBS17284001B.055.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		803	348
2.054		19314	13949
2.189		4557	4918
2.234		2696	3314
2.3		16755	12166
2.41		2479	2977
2.467		4207	21033
2.547		37923	27882
2.572		2682	1571
2.614	TCX	11012350	6468078
2.658		87642	63719
2.703		2170	2858
2.785		226744	159578
2.832		97680	47653
2.846		150653	77948
2.898		885722	559475
2.948		24913	14254
3.009		125337	81241
3.059		477	373
3.076		1295	246
3.088		501	183
3.105		692860	350389
3.116		261533	100100
3.156		139438	84018
3.178		86020	48525
3.203		95102	52646
3.227		1092935	725252
3.264		82663	48120
3.292		30805	14848
3.31		282009	145906
3.326		154573	75720
3.35		3452	2398
3.376		527983	273262
3.386		1257760	529439
3.406		50682	18297
3.42		1185719	783113
3.494		1217234	776754
3.53		841402	525731
3.553		994053	555839
3.571		265380	137594
3.588		10620	4214
3.632		1062	674
3.638		432	85
3.657		1081630	703717
3.68		412687	224068
3.701		386999	235278
3.73		302438	162464
3.747		872934	517002
3.788		346626	245898
3.833		111524	99755
3.857		227322	140429
3.879		1079127	727081
3.904		242921	142820
3.923		45383	21761

RT B	Compound B	Height B	Area B
3.943		140606	90421
3.978		964470	670911
4.011		60740	37371
4.026		100764	55600
4.09		13430	15397
4.112		227775	229679
4.153		36873	23157
4.178		270003	190444
4.22		278032	168559
4.238		205401	104968
4.251		649073	375858
4.277		375272	393819
4.329		2228410	1709094
4.369		63033	57045
4.398		191008	128555
4.422		463824	367389
4.464		2581592	1929832
4.566		2092592	1980266
4.619		297065	241013
4.658		604416	536144
4.694		2303222	1928869
4.725		1274170	893087
4.764		896503	675513
4.832		2487	3451
4.862		271770	195953
4.88		33945	16957
4.913		1602554	1275501
4.937		222120	143472
4.987		777560	709781
5.022		416485	326201
5.053		335917	296596
5.085		102593	61646
5.106		3909325	3165380
5.147		75048	56605
5.178		253153	211776
5.257		3621	4121
5.297		43344	28546
5.32		827614	661947
5.364		2755224	2900656
5.465		2105	1136
5.485		1931	1290
5.519		211907	184639
5.565		60984	40066
5.587		243417	185776
5.636		558294	490937
5.681		1098	843
5.742		1341000	1095061
5.774		82267	59538
5.839		2375	2195
5.851		1106	280
5.871		1567	1005
5.91		2243	2977
5.941		515438	420809
5.972		2572	1763
5.995		1917	852
6.021		1039	406
6.056		4203	3718
6.099	DCB	13166140	11036080
6.165		14787	20673
6.24		2140	4704
6.253		1635	751
6.278		4882	4655
6.333		1380	781
6.367		1405	2055
6.41		1679	541
6.437		2738	3254

RT B	Compound B	Height B	Area B
6.508		3697	9009
6.55		14572	12507
6.622		1986	4624
6.657		1292	475
6.677		1214	906
6.699		1078	349
6.722		2846	2433
6.745		1325	554
6.785		1081	1520
6.81		1111	602
6.846		981	1230
6.892		1916	3667
6.962		1066	455

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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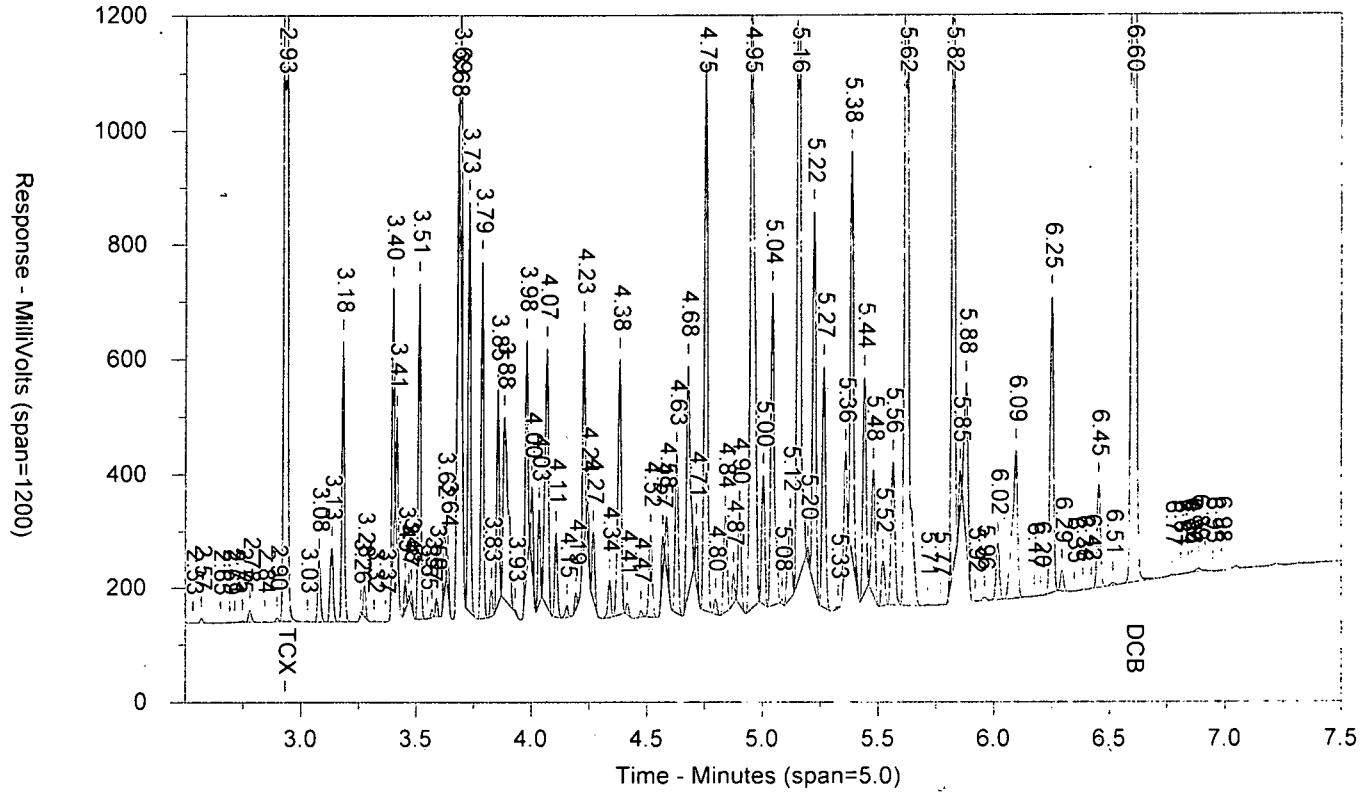

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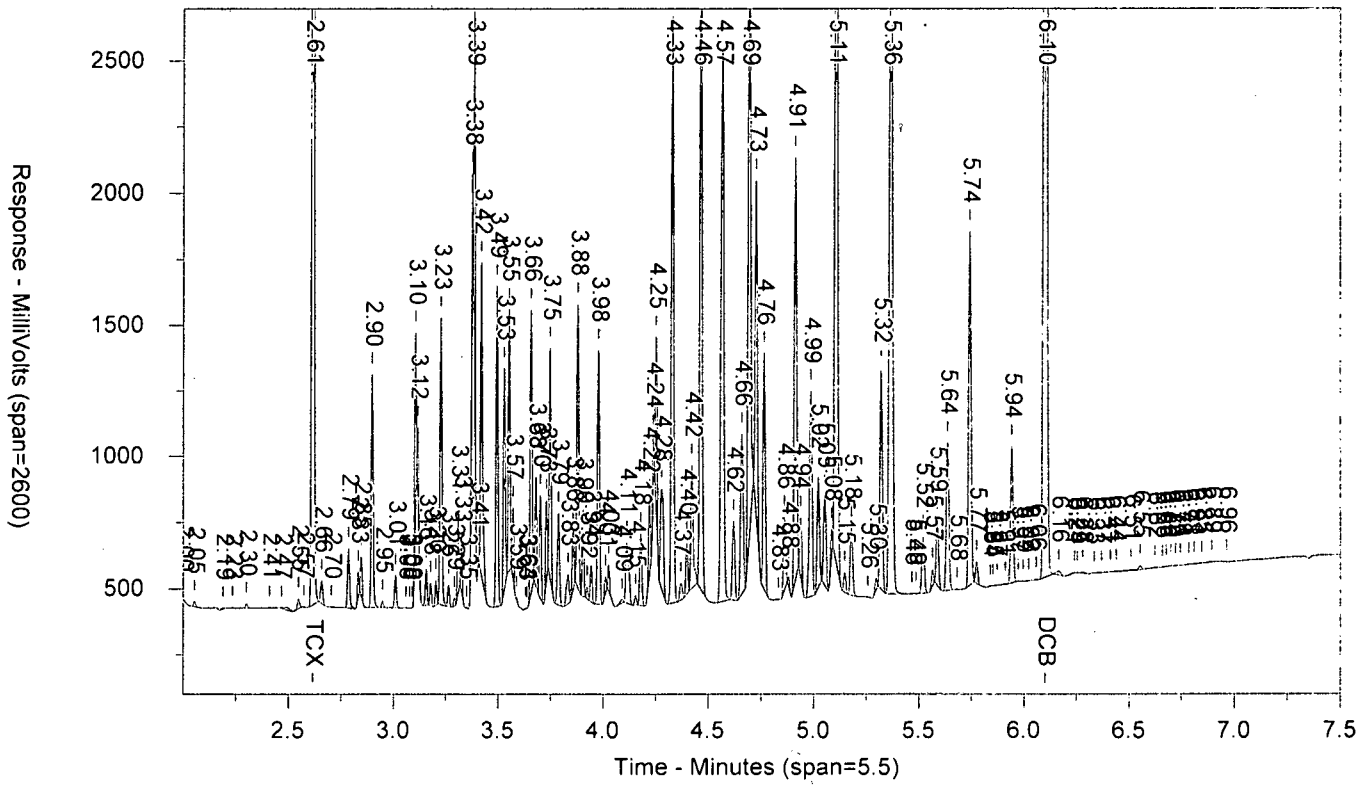

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 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
2.932	6081197	40.307	TCX	2.614	11012350	40.422	TCX
6.602	4231522	43.899	DCB	6.099	13166140	43.491	DCB

Files:
Area File: 25PCBS17284001.055.RAW
Area File: 25PCBS17284001B.055.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:27 PM
File Reported On: 10/12/2017 at 4:32:43 PM

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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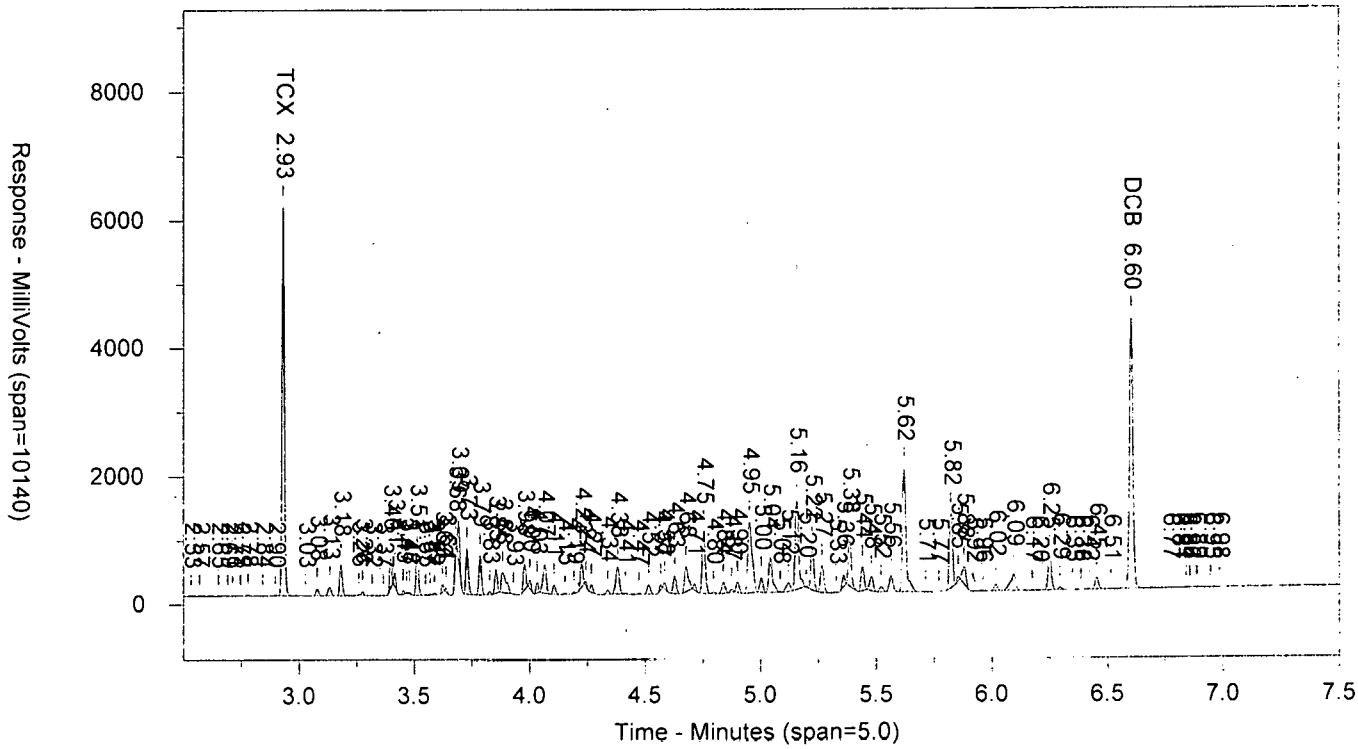

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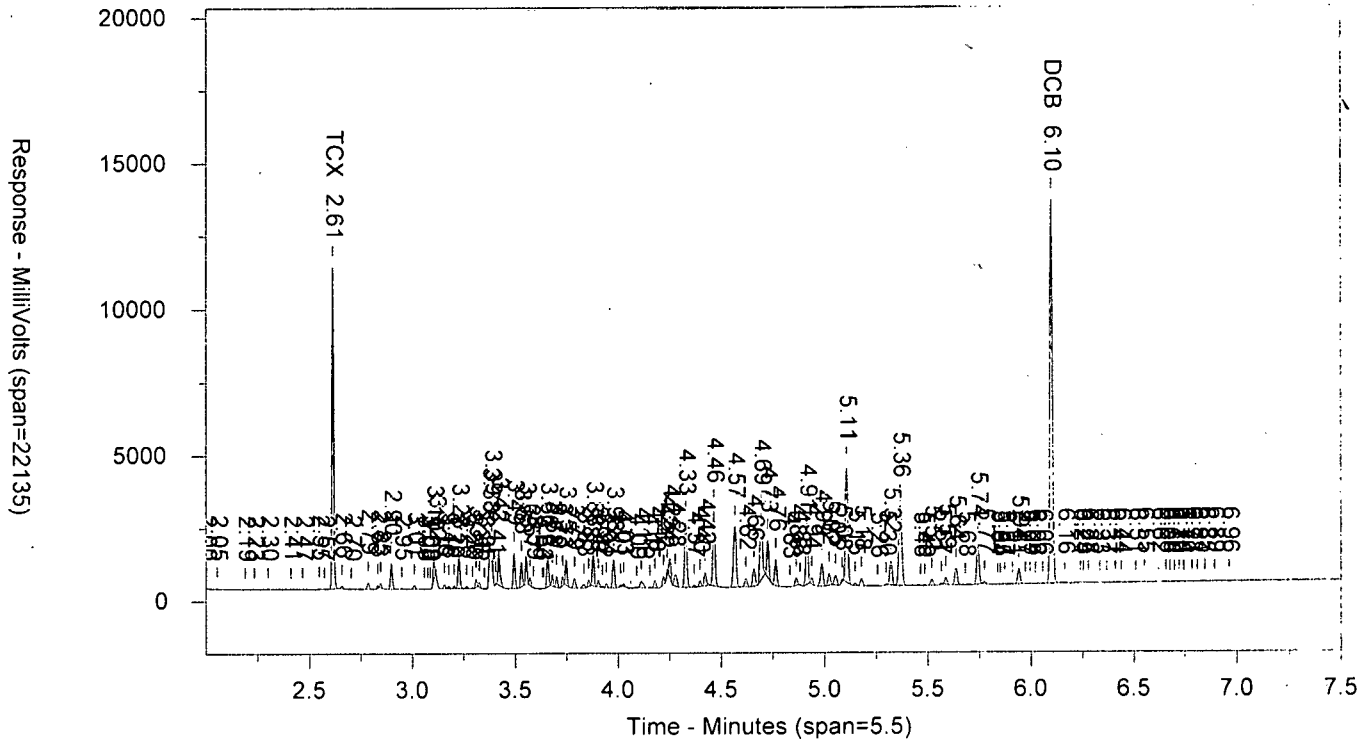

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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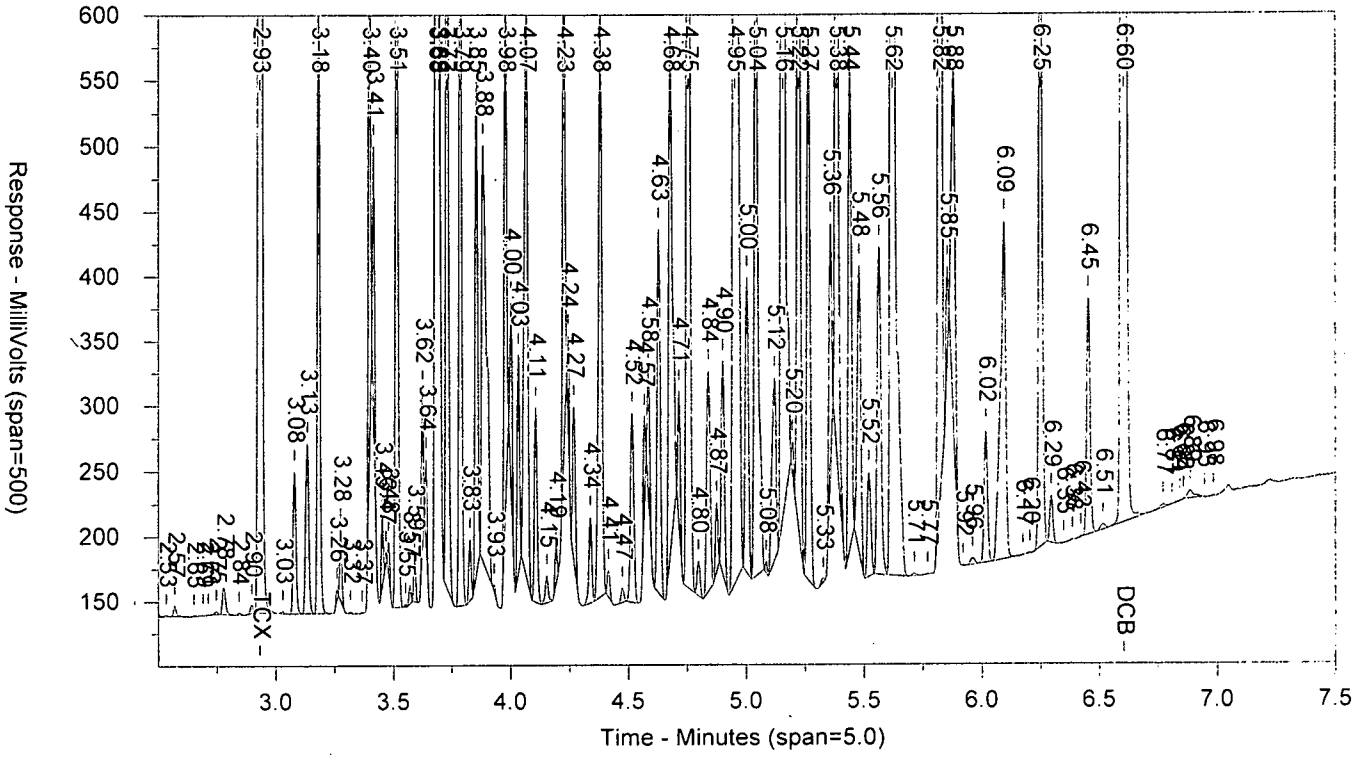

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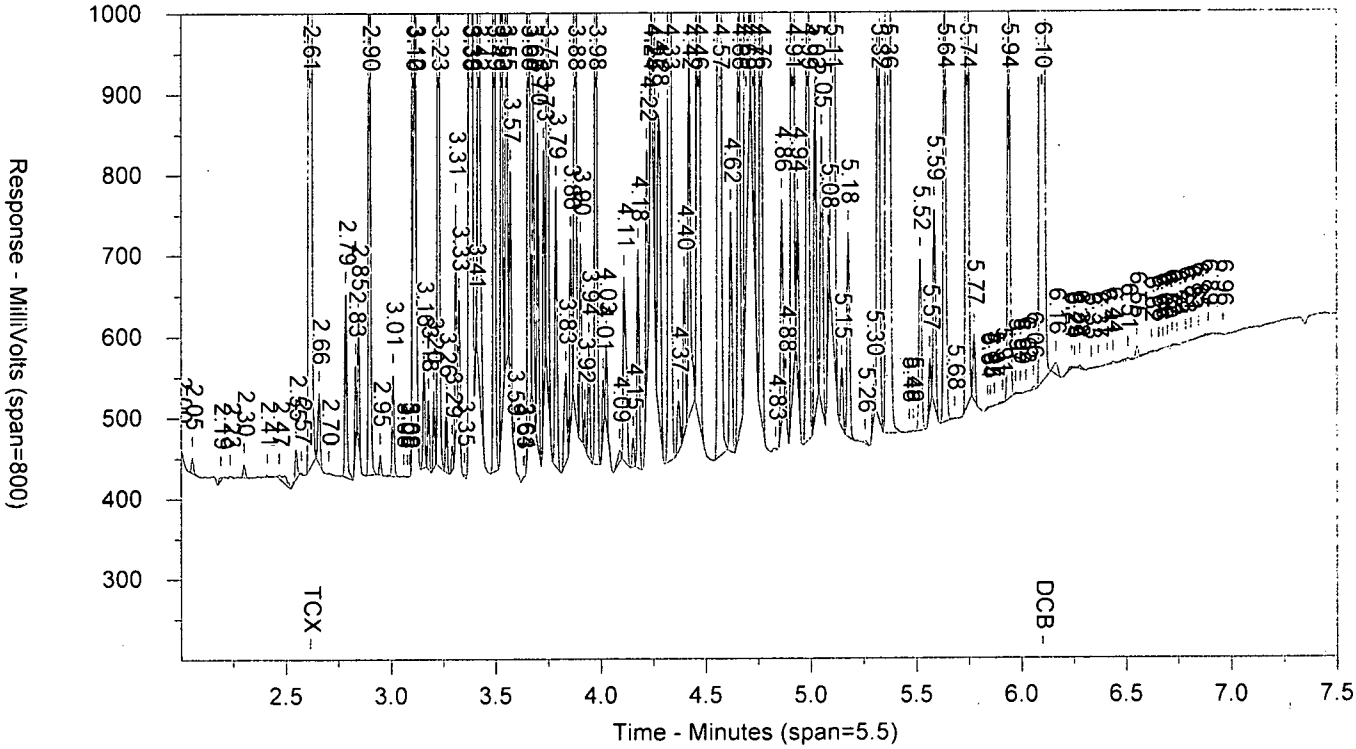

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 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: 25PCBS17284001.056.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.007		352	138
2.036		9844	9350
2.089		4867	9428
2.231		13146	11216
2.331		10120	10012
2.37		948	1335
2.491		7045	7212
2.531		1229	1766
2.65		828	769
2.683		269	132
2.747		2417	3228
2.777		4084	3871
2.851		2846	1763
2.896		4622	3608
2.93	TCX	2960382	2046798
3.028		1061	608
3.047		445	224
3.126		36984	25427
3.18		728	659
3.258		10571	11149
3.381		960	880
3.404		823	777
3.484		439	611
3.505		782	573
3.537		874	802
3.567		7957	5140
3.605		4566	4269
3.657		1046	814
3.677		790	431
3.729		1388	1003
3.778		968	967
3.808		659	1020
3.928		5791	6109
3.982		499	569
4.024		512	516
4.056		543	321
4.104		1197	1204
4.168		4264	4437
4.213		2153	2395
4.271		8009	12800
4.322		545	533
4.371		1856	2577
4.447		260	152
4.469		841	725
4.514		2632	2610
4.567		6149	5737
4.612		5950	7527
4.677		265	356
4.708		1675	2406
4.795		832	743
4.838		1242	1192
4.873		23818	24101
4.969		6352	8178
4.999		811	616

RT A	Compound A	Height A	Area A
5.041		275	432
5.058		2430	2381
5.113		27480	27619
5.153		472	249
5.195		1577	1739
5.233		428	311
5.268		499	508
5.325		6047	8316
5.36		583	436
5.385		625	422
5.399		625	416
5.441		531	483
5.475		2495	3556
5.517		22550	23101
5.568		298	203
5.597		452	196
5.642		40408	45156
5.72		1290	1087
5.759		577	379
5.78		407	288
5.825		1860	2084
5.867		1477	1443
5.888		614	218
5.916		396	316
5.958		4944	7279
6.012		41649	40995
6.077		56222	68674
6.211		471	766
6.244		4183	6120
6.288		1854	2489
6.35		449	81
6.363		524	199
6.378		908	507
6.412		536	131
6.45		25353	28562
6.51		4113	5452
6.557		585	147
6.6	DCB	2048786	2101776
6.707		675	783
6.774		1540	2560
6.811		590	330
6.826		1041	516
6.881		5808	10077
6.976		882	359

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 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: 25PCBS17284001B.056.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		10933	10760
2.101		1104	614
2.156		5058	7384
2.237		4758	22802
2.343		1362	672
2.41		3033	3490
2.466		2986	2247
2.547		24986	49084
2.614	TCX	5234323	3155031
2.78		1725	1350
2.832		76078	47859
2.9		2401	3864
2.948		12702	7537
2.99		2547	2041
3.077		453	71
3.089		1571	854
3.122		660	1238
3.128		1002	696
3.16		542	171
3.169		629	87
3.177		630	235
3.182		774	373
3.197		956	172
3.204		917	192
3.23		1439	716
3.241		406	80
3.248		900	454
3.291		19192	11405
3.308		569	85
3.316		747	208
3.328		2973	1898
3.354		1699	624
3.379		5866	6251
3.411		751	128
3.427		732	443
3.438		723	100
3.451		1294	568
3.472		603	166
3.486		547	82
3.492		912	198
3.497		1085	212
3.511		718	186
3.526		839	228
3.536		959	439
3.557		732	138
3.57		1098	351
3.583		758	201
3.591		1322	3061
3.635		1572	1595
3.64		925	152
3.647		782	136
3.652		717	169
3.659		914	134
3.666		686	194

RT B	Compound B	Height B	Area B
3.678		1153	404
3.689		917	241
3.703		411	249
3.719		816	581
3.73		1572	726
3.748		1018	161
3.758		1722	950
3.781		450	89
3.833		4971	9761
3.882		6404	11172
3.946		10301	10019
3.986		1067	720
4.024		4098	3064
4.078		9737	8641
4.108		2759	3044
4.152		16268	14975
4.257		1381	5529
4.332		2824	2195
4.367		1689	1668
4.437		52084	51260
4.538		645	108
4.566		5288	8372
4.62		6173	4978
4.664		61305	51024
4.725		912	4308
4.738		2734	2104
4.762		1181	761
4.807		653	359
4.837		1544	1423
4.882		843	557
4.913		3519	3461
4.942		1508	1160
4.974		5854	4456
5.019		2516	2371
5.036		1464	501
5.056		40156	31535
5.141		804	1127
5.178		68456	59235
5.254		3488	7668
5.303		1687	3121
5.32		1756	1350
5.344		802	474
5.369		3146	2658
5.411		1017	511
5.429		898	335
5.469		1902	2102
5.518		88844	82587
5.587		115852	106643
5.635		32102	26536
5.689		1146	1726
5.746		942	402
5.802		3039	5393
5.88		1527	8862
5.909		1587	1405
5.94		73068	60166
5.983		818	1118
5.991		1663	1096
6.023		1618	1511
6.039		1170	262
6.057		3486	2883
6.099	DCB	6245401	5383404
6.16		12845	21215
6.235		2176	4033
6.286		1959	1233
6.374		1100	1585
6.385		1232	484

RT B	Compound B	Height B	Area B
6.426		1397	1064
6.448		1371	1489
6.467		1890	496
6.481		2164	940
6.511		2361	3177
6.55		7168	6185
6.59		977	306
6.645		1113	2902
6.708		1138	4869
6.723		1600	1920
6.781		1059	1263
6.811		1141	1423
6.862		1376	2896
6.879		1979	1946
6.904		1123	410
6.942		849	340
6.955		1026	540

IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082

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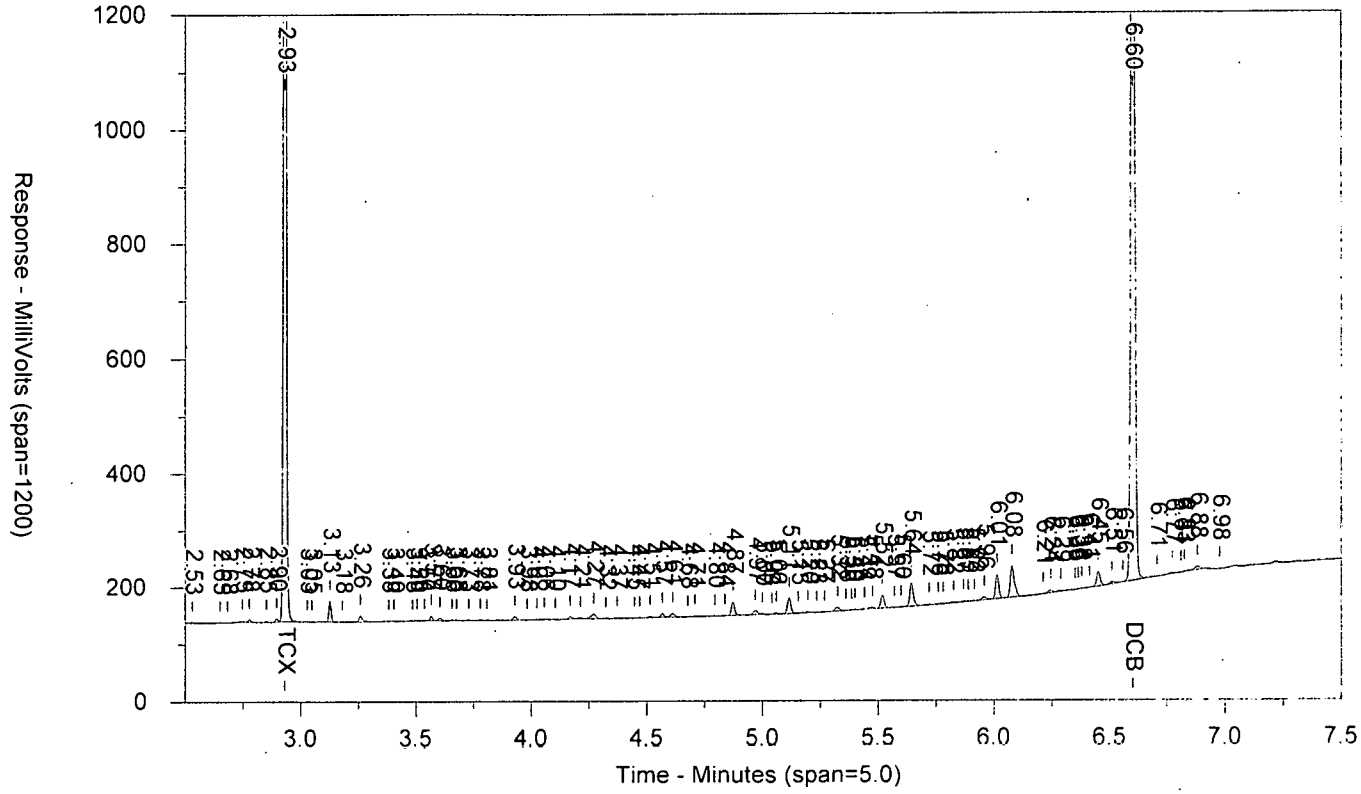

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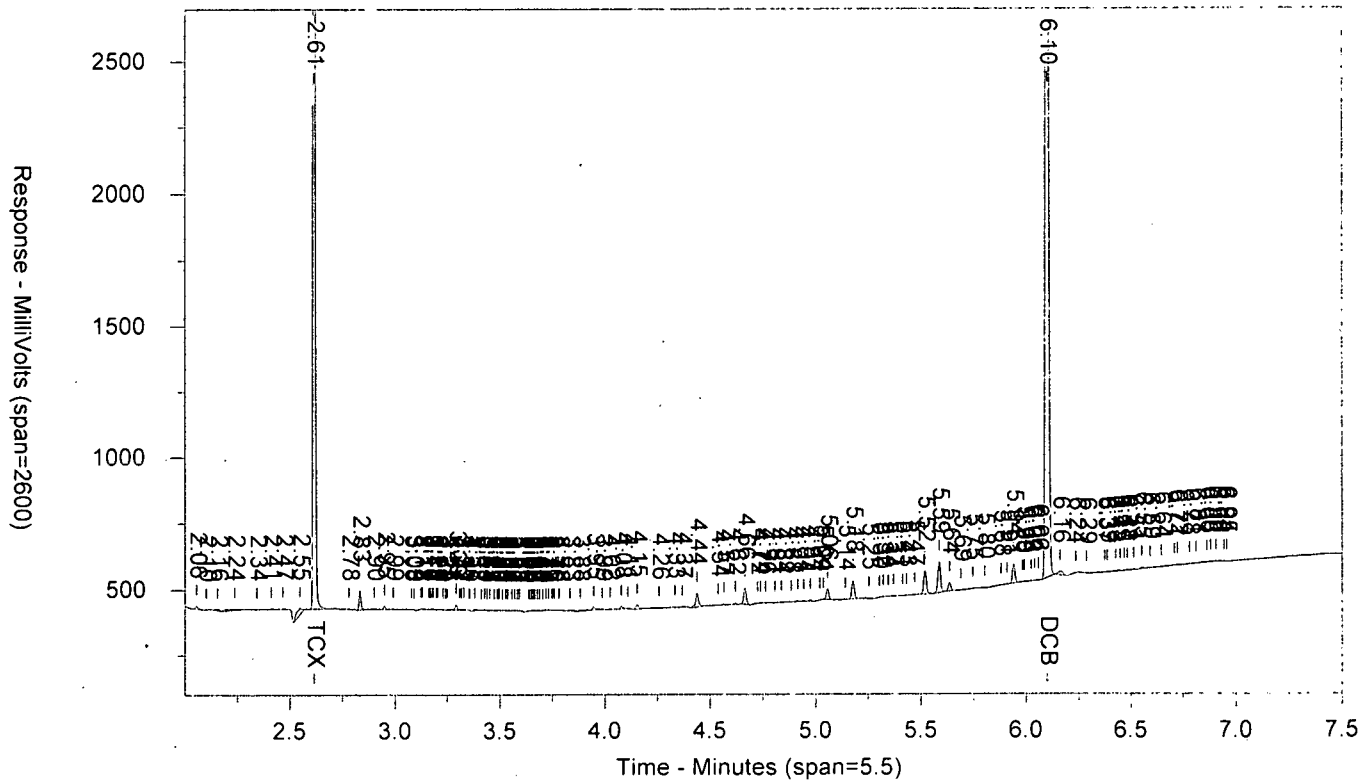

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:40:44 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
2.93	2960382	.196	TCX	2.614	5234323	.192	TCX
6.6	2048786	.213	DCB	6.099	6245401	.206	DCB

Files:
Area File: 25PCBS17284001.056.RAW
Area File: 25PCBS17284001B.056.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:28 PM
File Reported On: 10/12/2017 at 4:32:57 PM

IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082

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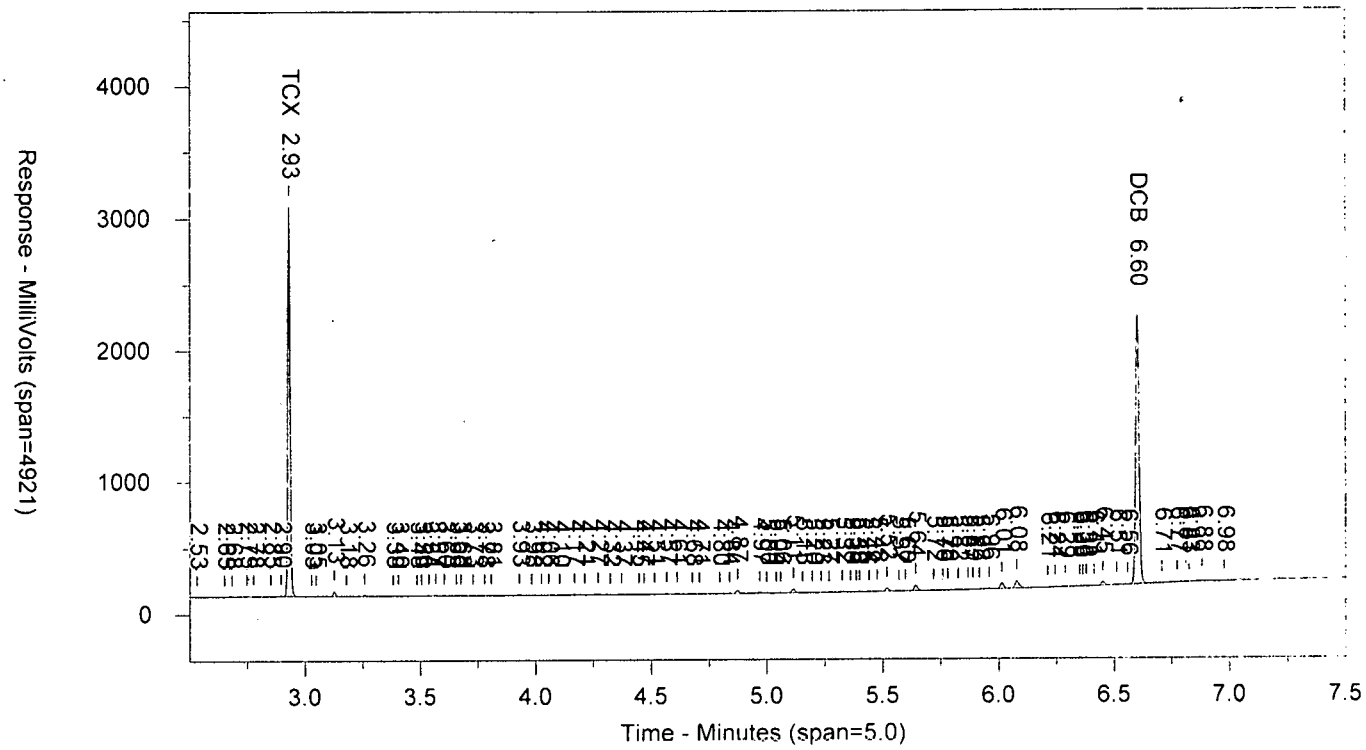

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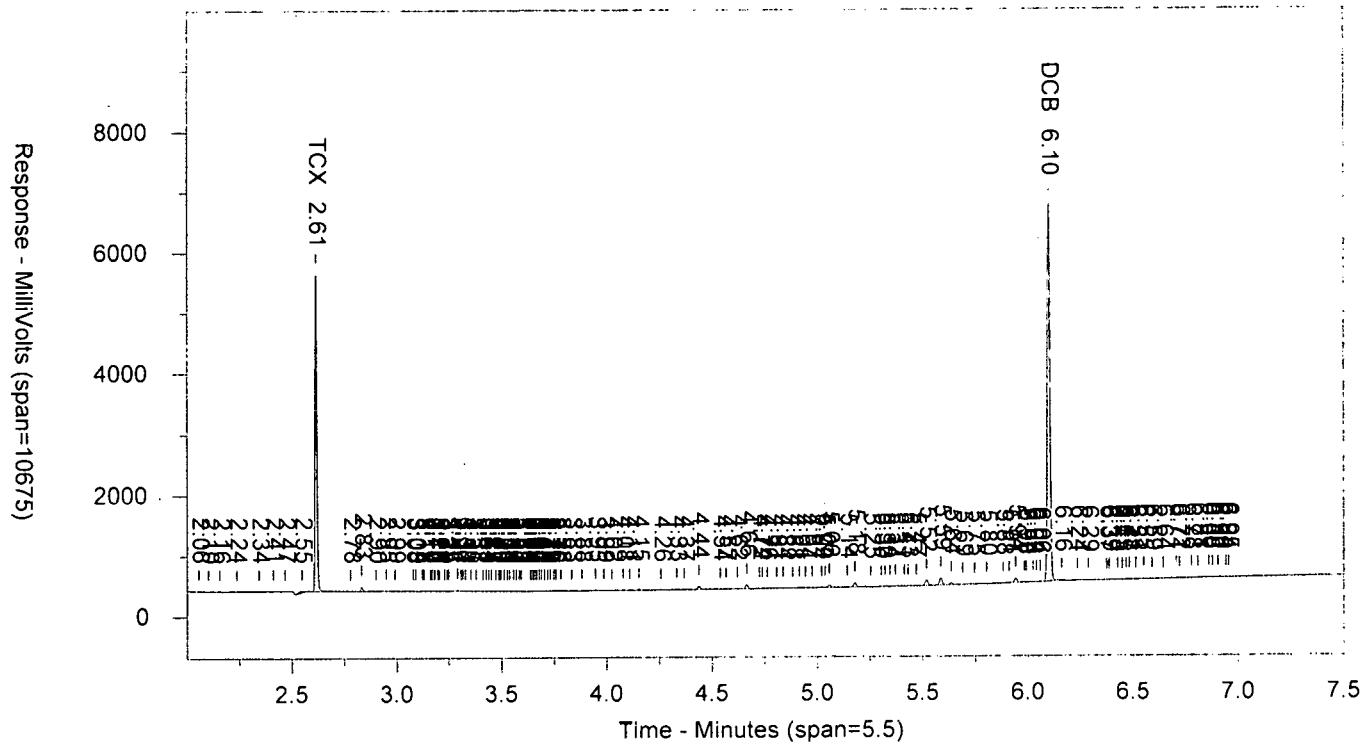

IBLKX1724B SAPIBLKSA PIBLK1728399999 10225 SW-846 8082

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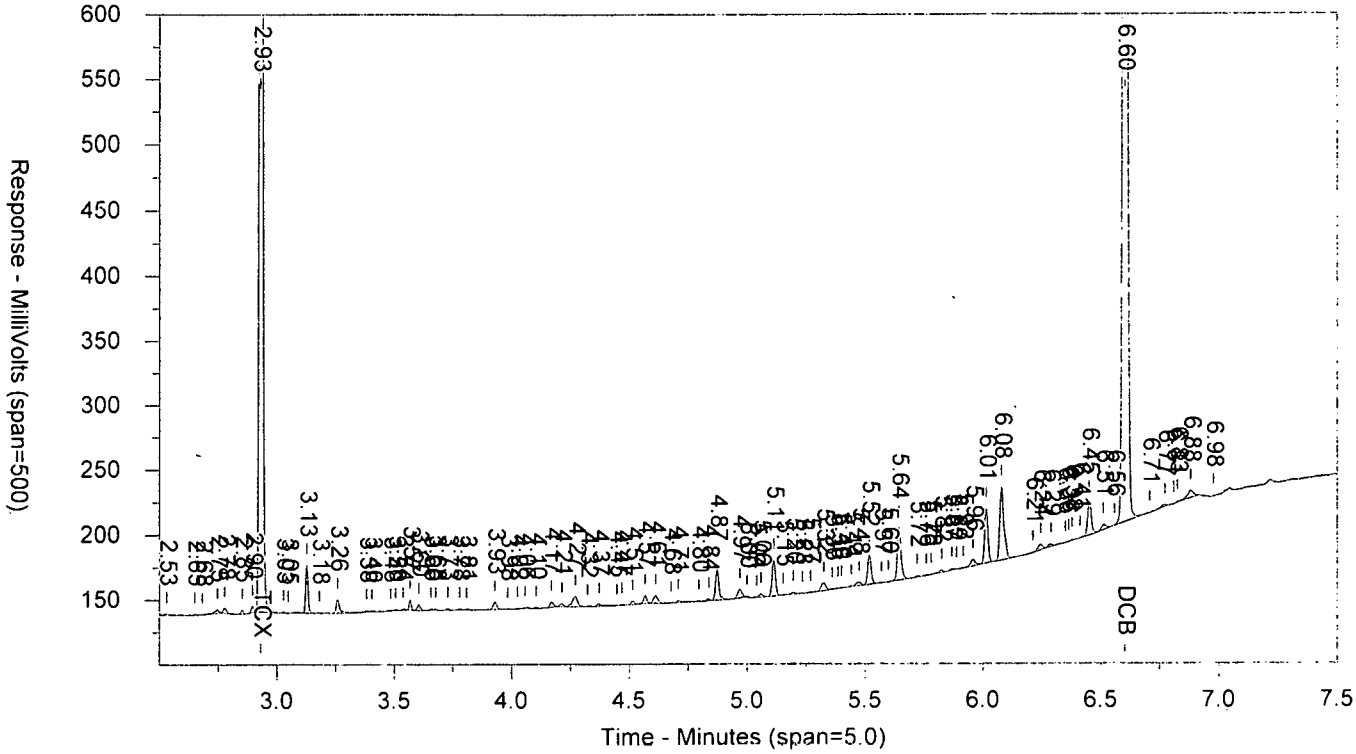

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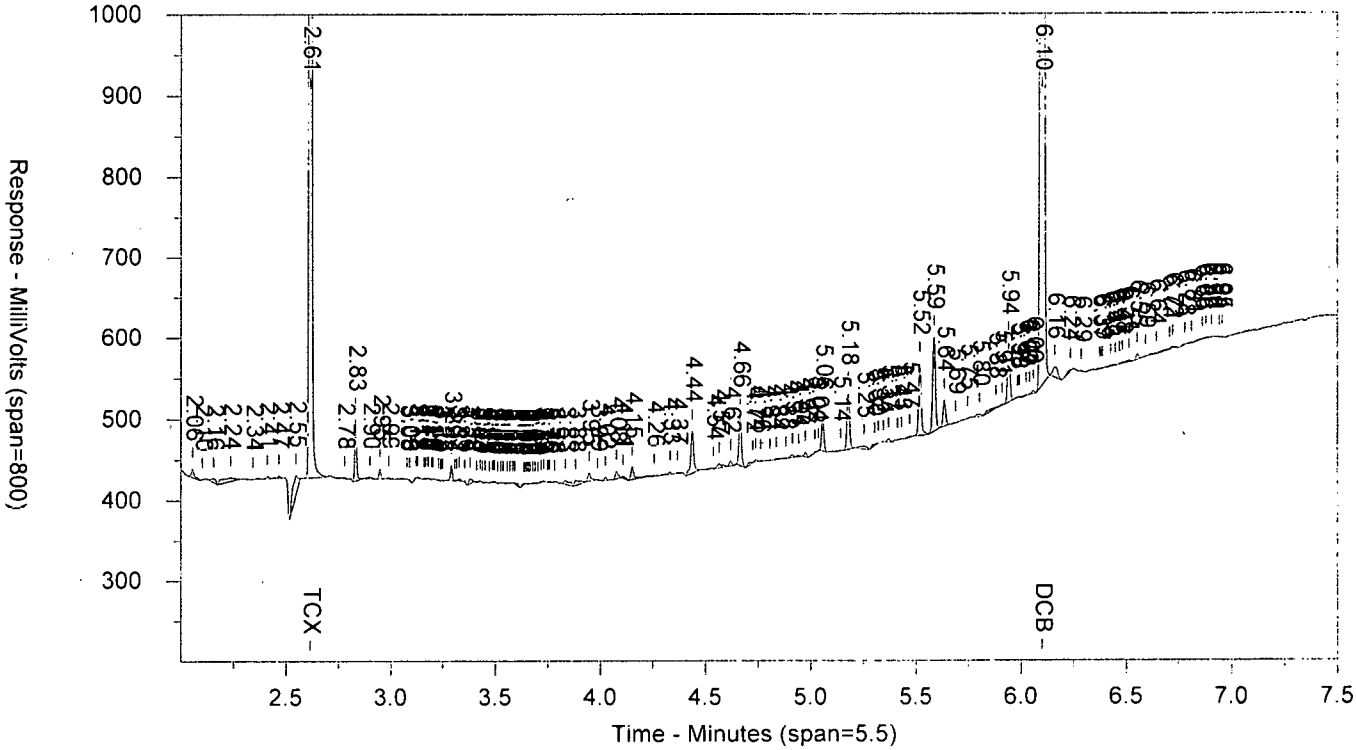

LANCASTER LABORATORIES

Sample Number: AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:28:21 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: 25PCBS17284001.076.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		12750	12400
2.091		7936	16644
2.231		26943	22941
2.299		703	476
2.337		12342	13314
2.367		724	986
2.431		988	712
2.49		8810	8619
2.531		1563	1086
2.569		9350	7641
2.651		845	720
2.687		488	288
2.713		413	326
2.746		2404	3110
2.777		8860	7987
2.841		2219	2129
2.896		5948	4677
2.93	TCX	6130275	4208485
3.027		1814	1158
3.077		109863	94294
3.131		134744	121733
3.18		485088	358239
3.258		8078	3878
3.273		53657	34555
3.315		1519	1113
3.364		777	427
3.396		449747	275432
3.413		204533	114055
3.45		49639	28985
3.465		11098	4116
3.476		22461	10657
3.511		577751	451288
3.548		2168	1060
3.567		13797	8174
3.586		35270	22201
3.62		118936	67837
3.635		58657	27880
3.679		195350	126548
3.689		546174	277652
3.726		678962	525727
3.783		582699	443871
3.824		44158	31994
3.852		354423	273389
3.881		300363	458769
3.926		4122	2261
3.975		391826	291863
3.999		130960	85590
4.03		155215	113048
4.063		434020	438146
4.103		137004	115149
4.149		21369	19376
4.189		30290	18983
4.223		359142	269659
4.241		67258	35250

RT A	Compound A	Height A	Area A
4.264		115351	89234
4.336		59460	52589
4.377		417569	422487
4.411		21147	15961
4.471		11753	9888
4.512		149448	149027
4.565		63920	41390
4.581		88956	60122
4.626		266632	239225
4.675		376329	412306
4.711		90005	64592
4.751		872322	830673
4.793		27836	24381
4.836		156975	160064
4.871		52073	39054
4.896		143041	131464
4.948		1031321	1337678
5		212401	197557
5.039		494650	545511
5.081		8231	4485
5.117		131394	158551
5.153		1255130	1298182
5.194		28226	14104
5.219		597740	560603
5.262		374935	370484
5.356		169258	135952
5.381		639890	580731
5.437		345891	320469
5.477		200406	204860
5.517		76897	75900
5.559		214454	248815
5.617		1712213	1870309
5.706		1104	1506
5.754		341	83
5.821		1037260	987959
5.851		63269	38127
5.877		241340	264614
5.916		806	567
5.957		3471	4319
6.013		91630	93364
6.091		232367	365740
6.198		449	1082
6.247		443840	463508
6.292		30409	29334
6.345		760	534
6.384		968	1095
6.45		160963	167666
6.51		3343	4323
6.599	DCB	3877217	3859847
6.659		1895	3048
6.774		12924	41644
6.884		5153	12256
6.95		724	354
6.979		611	326

LANCASTER LABORATORIES

Sample Number: AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:28:21 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: 25PCBS17284001B.076.RAW
Method File: 25PCBSB.MET
Callbration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.054		20079	13815
2.16		8120	11960
2.187		3720	2678
2.207		2039	1609
2.239		2340	3246
2.3		17735	13691
2.413		3518	3345
2.467		6209	25347
2.547		15822	14334
2.573		3320	2125
2.614	TCX	11191540	6474599
2.658		86373	64664
2.785		237172	164410
2.832		102397	48490
2.846		157495	81045
2.898		868682	561349
2.948		24706	14153
3.009		123856	79820
3.071		647	214
3.085		758	224
3.105		686777	346294
3.116		257689	96777
3.156		135334	83373
3.177		88095	49366
3.203		95582	52158
3.226		1082495	717426
3.263		85913	50309
3.291		30713	14545
3.31		267330	141919
3.325		157301	76162
3.351		4215	2289
3.375		598734	274573
3.385		1174304	496625
3.405		47691	18493
3.419		1151837	763147
3.493		1209990	749287
3.528		817613	504067
3.551		947833	537778
3.569		269146	131825
3.585		10016	5560
3.656		1009794	667981
3.678		387614	208969
3.699		370643	223502
3.728		306567	157038
3.745		823773	480391
3.785		327449	235362
3.832		109724	101514
3.854		226192	136144
3.876		1103147	712354
3.901		234045	136354
3.921		48960	24046
3.94		140162	87832
3.975		928591	646887
4.009		64940	38520

RT B	Compound B	Height B	Area B
4.024		102564	56198
4.088		14379	15365
4.109		234465	237931
4.151		40127	24485
4.175		251566	181119
4.218		262837	155448
4.236		209878	104664
4.249		614446	344552
4.275		373617	364027
4.326		2046055	1580010
4.367		68217	57691
4.396		178054	120419
4.419		401956	271448
4.436		34667	14232
4.462		2397944	1769686
4.565		1978894	1828517
4.616		282743	225386
4.656		545499	494115
4.691		2298547	1806748
4.723		1117700	808914
4.761		803522	602574
4.831		3531	3867
4.86		240979	174191
4.878		28337	14298
4.911		1493729	1148771
4.934		200777	129042
4.984		736014	654069
5.02		364711	291740
5.05		310102	269139
5.082		102844	62576
5.104		3524210	2828135
5.145		70338	50742
5.177		244576	201231
5.294		38347	24534
5.318		720150	588117
5.363		2439655	2548494
5.462		1520	1196
5.478		1346	1114
5.517		198433	172036
5.563		56960	38557
5.585		246388	180917
5.635		513217	421937
5.675		937	452
5.7		1286	402
5.74		1148999	929138
5.772		71429	52435
5.843		3513	6103
5.915		1141	3608
5.939		426638	361136
5.994		1011	3107
6.025		5531	6142
6.055		1790	1296
6.097	DCB	10888330	9228575
6.147		1438	1018
6.163		10475	10441
6.222		4723	6999
6.249		2921	2966
6.282		2161	1199
6.311		2020	1326
6.332		1607	637
6.346		2874	2780
6.424		7385	21807
6.471		2356	4050
6.485		4010	3974
6.546		18228	25577
6.618		4659	9406

RT B	Compound B	Height B	Area B
6.655		3658	2303
6.678		3139	2579
6.709		7447	7427
6.74		1584	455
6.773		9544	17319
6.813		4779	3334
6.844		5936	10216
6.893		2844	1841
6.919		6888	9928
6.987		2781	2660

AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082

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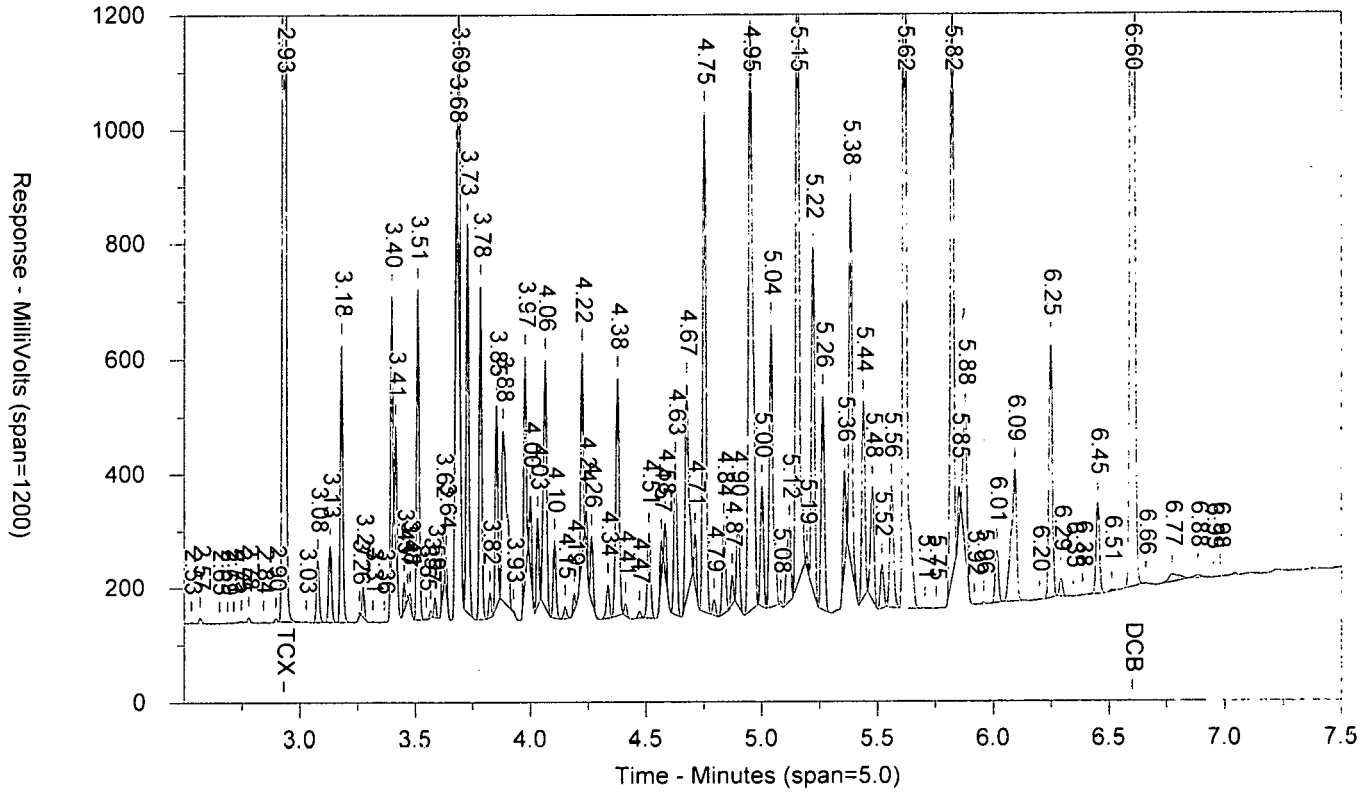

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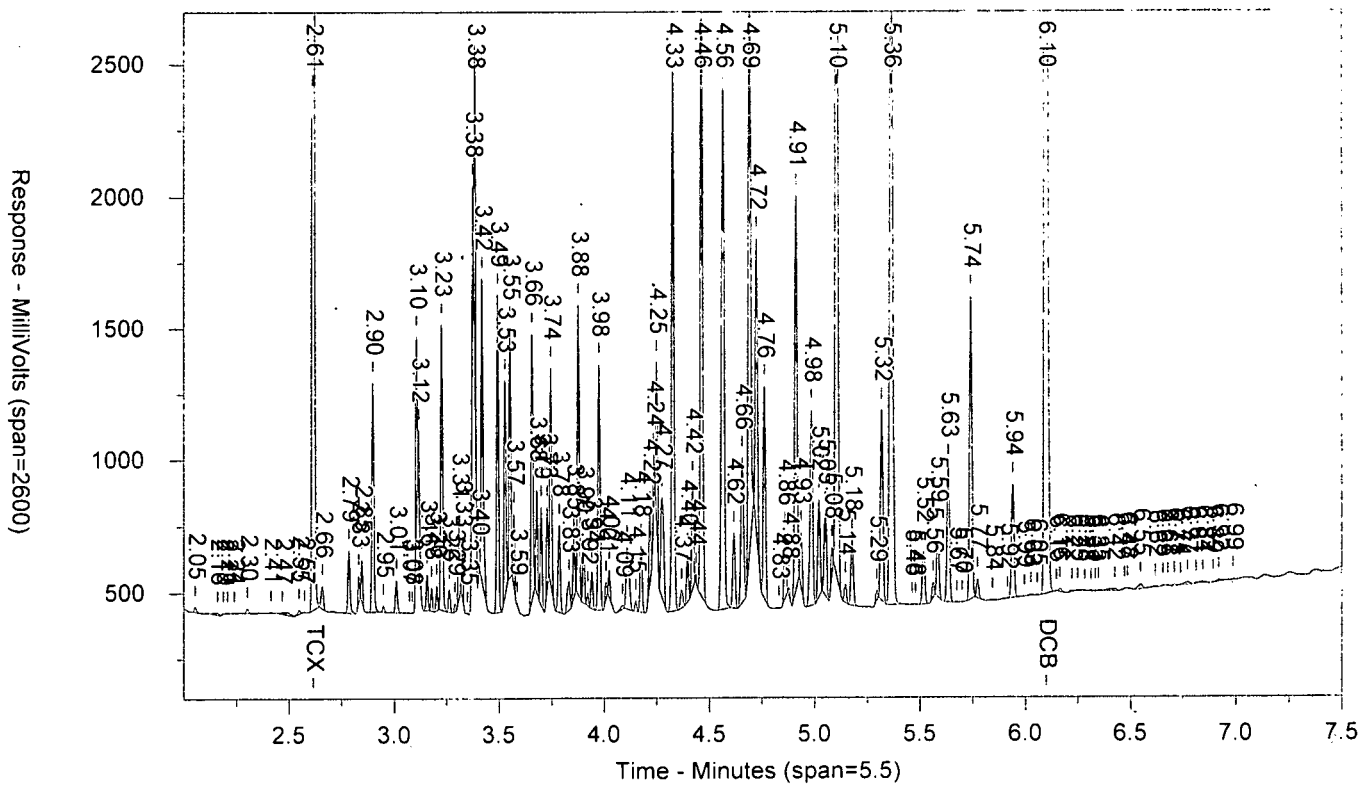

LANCASTER LABORATORIES

Sample Number: AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:28:21 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
2.93	6130275	40.633	TCX	2.614	11191540	41.079	TCX
6.599	3877217	40.224	DCB	6.097	10888330	35.966	DCB

Files:
Area File: 25PCBS17284001.076.RAW
Area File: 25PCBS17284001B.076.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:34 PM
File Reported On: 10/12/2017 at 4:38:35 PM

AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082

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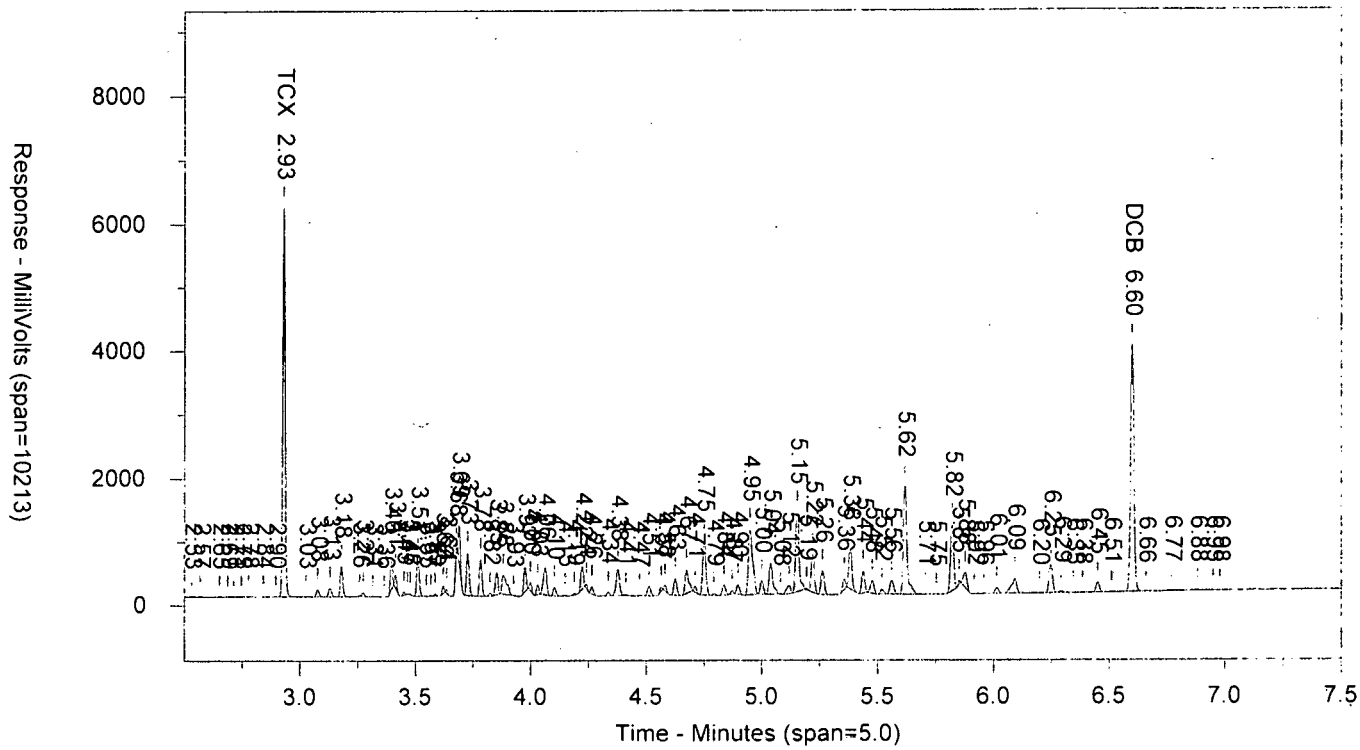

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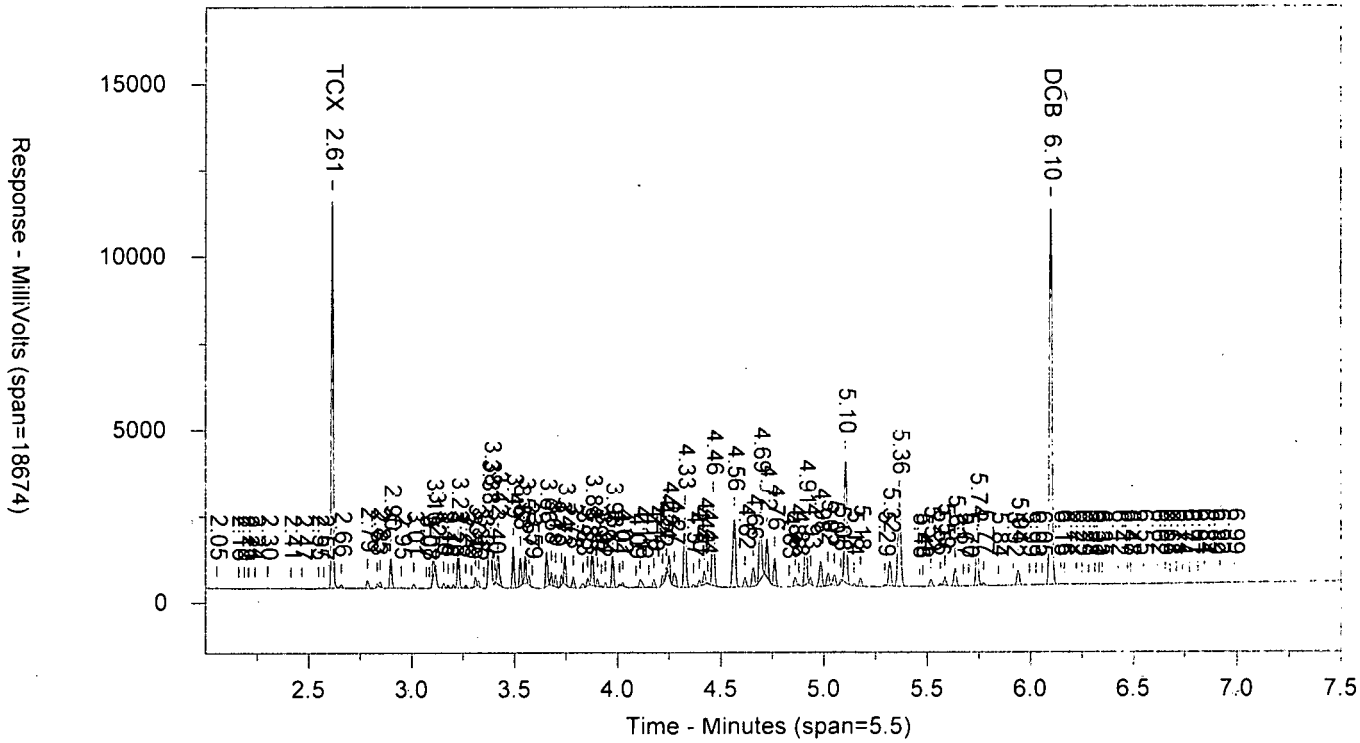

AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082

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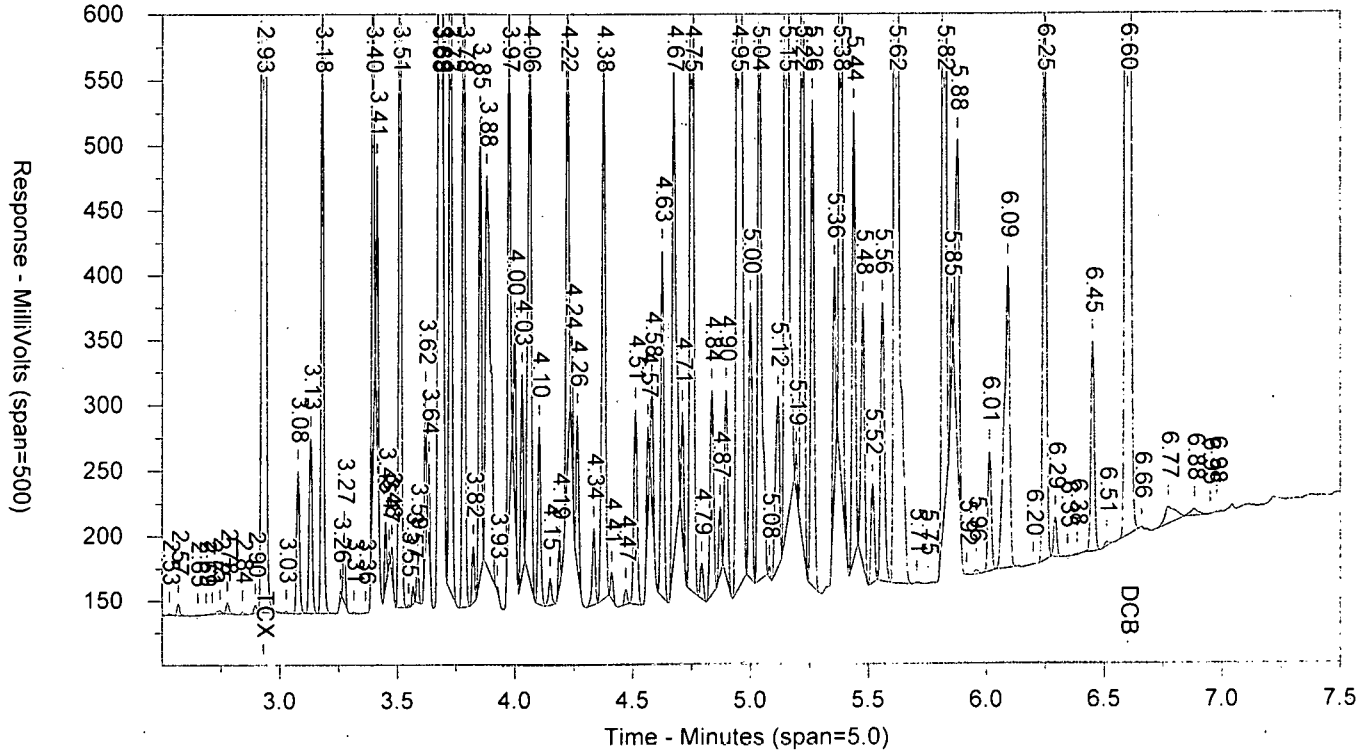

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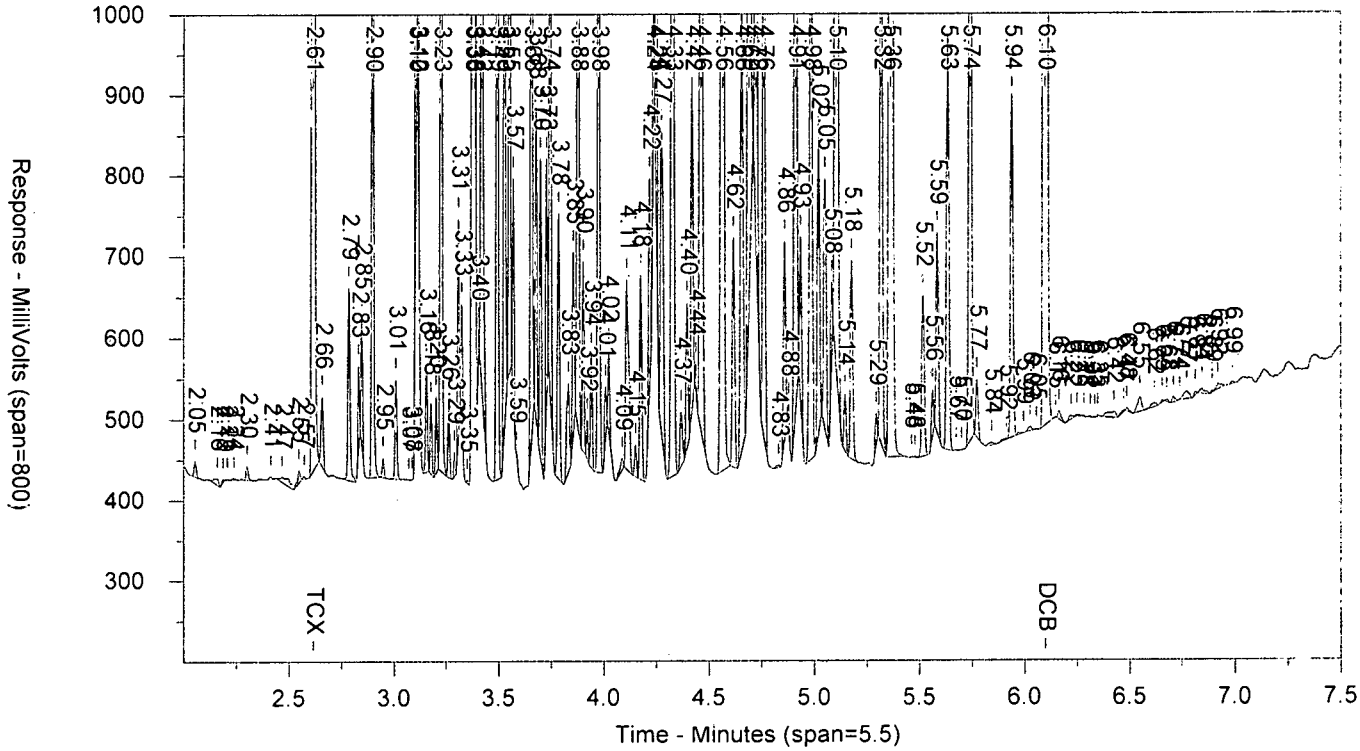

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:39:42 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: 25PCBS17284001.077.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		9471	9139
2.089		14151	34120
2.23		13577	11291
2.33		15630	14031
2.367		1111	2282
2.432		718	630
2.49		6647	6972
2.531		1142	1260
2.588		651	390
2.66		518	620
2.746		2366	3540
2.778		14760	13310
2.854		700	495
2.896		4483	3408
2.93	TCX	2959383	2028883
3.027		1080	862
3.079		508	744
3.127		35698	25155
3.179		837	575
3.258		10029	10887
3.343		438	232
3.38		1716	1148
3.407		665	658
3.482		468	704
3.508		1344	1146
3.541		1061	855
3.567		7507	4972
3.604		4360	4162
3.657		2612	1922
3.676		996	743
3.729		2113	1955
3.782		1438	1423
3.851		860	772
3.93		5423	6044
3.981		931	1174
4.03		832	1048
4.059		1565	1948
4.106		1183	900
4.17		4437	4839
4.21		5541	5644
4.248		759	497
4.27		8072	9657
4.334		257	284
4.372		2054	2506
4.44		426	259
4.47		570	471
4.516		3376	3744
4.567		6959	6466
4.611		5126	6268
4.677		307	257
4.709		1700	1501
4.751		1081	752
4.795		880	724
4.836		1450	1389

RT A	Compound A	Height A	Area A
4.872		26446	26376
4.968		5916	8107
4.999		1266	952
5.031		1099	917
5.06		2367	2009
5.114		29014	29848
5.155		1151	1004
5.195		1447	1232
5.224		575	444
5.324		5277	6737
5.36		658	482
5.381		1014	819
5.441		1286	976
5.472		2890	4223
5.518		23664	24536
5.582		363	756
5.642		41648	47399
5.721		4614	4891
5.761		428	151
5.821		2798	2727
5.872		1509	2295
5.925		514	621
5.958		3925	5469
6.014		39914	40325
6.077		54643	67052
6.129		416	192
6.158		1458	1777
6.245		3810	9606
6.284		2090	2716
6.343		362	384
6.395		775	1701
6.426		467	846
6.451		24350	28493
6.513		2981	4177
6.6	DCB	1874983	1929167
6.673		480	180
6.704		770	720
6.747		603	1434
6.774		1841	2353
6.827		1123	953
6.884		6283	12840
6.956		641	295
6.981		580	290

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:39:42 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: 25PCBS17284001B.077.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		2746	1296
2.055		9215	6543
2.144		2728	6159
2.199		3850	7429
2.241		3247	4284
2.273		3120	5577
2.411		2870	2788
2.467		6154	28740
2.548		29653	34713
2.614	TCX	5224088	3118344
2.832		72730	46399
2.909		3088	4746
2.948		12836	8327
2.989		4258	4594
3.054		882	821
3.07		1485	549
3.09		1878	664
3.114		966	656
3.125		1460	548
3.132		910	255
3.147		815	152
3.156		1431	477
3.172		1132	190
3.179		858	167
3.205		1035	770
3.23		2404	1596
3.246		957	189
3.262		963	354
3.269		793	133
3.278		433	95
3.291		17229	9841
3.316		833	229
3.328		3502	1733
3.354		5787	3253
3.38		7242	8173
3.41		672	172
3.425		2762	1920
3.445		460	148
3.45		1634	835
3.479		373	62
3.493		2708	2692
3.516		421	119
3.533		470	332
3.552		825	174
3.567		1073	390
3.59		3150	4889
3.633		1650	1793
3.645		378	64
3.654		852	350
3.665		394	94
3.68		1704	1362
3.715		5760	4138
3.73		2925	1494
3.757		845	380

RT B	Compound B	Height B	Area B
3.783		2355	1934
3.831		6539	6381
3.86		3580	2179
3.88		6424	4651
3.944		11023	11297
4.008		862	366
4.025		4650	4518
4.077		10151	9153
4.107		3085	2250
4.152		18186	16989
4.203		801	457
4.217		2176	1448
4.237		1303	706
4.279		852	783
4.329		4309	3256
4.37		2185	1728
4.396		2035	1445
4.438		58729	57986
4.524		1178	834
4.564		6726	8988
4.618		7372	5259
4.664		67650	58399
4.739		3465	7533
4.772		1006	1355
4.839		2124	1847
4.863		671	441
4.875		773	552
4.911		4456	3923
4.938		2194	1300
4.977		4935	3908
5.037		1120	2450
5.056		43224	33381
5.106		2884	1660
5.153		674	245
5.178		76572	63690
5.256		1879	2394
5.321		1976	3817
5.339		10592	10917
5.38		2550	4050
5.412		824	538
5.447		992	1340
5.473		1605	1658
5.497		984	513
5.518		90595	81143
5.587		119282	107274
5.635		34257	30212
5.694		693	1414
5.749		1848	3321
5.781		423	375
5.806		2317	2686
5.841		2109	2271
5.863		740	411
5.884		804	783
5.893		1320	547
5.94		70160	60722
5.983		1731	1013
6.025		1535	1151
6.057		2586	2438
6.098	DCB	5654027	4902666
6.162		12579	18227
6.235		2231	2428
6.288		1926	1741
6.343		1527	366
6.39		800	691
6.42		1591	1399
6.432		2095	1646

RT B	Compound B	Height B	Area B
6.474		1520	1501
6.523		1209	364
6.548		7620	7065
6.607		1798	2099
6.63		1570	1343
6.676		2910	4047
6.695		1313	747
6.761		2395	1904
6.808		2794	3230
6.869		800	1481
6.891		3337	5758
6.935		2100	1684
6.97		734	593

IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082

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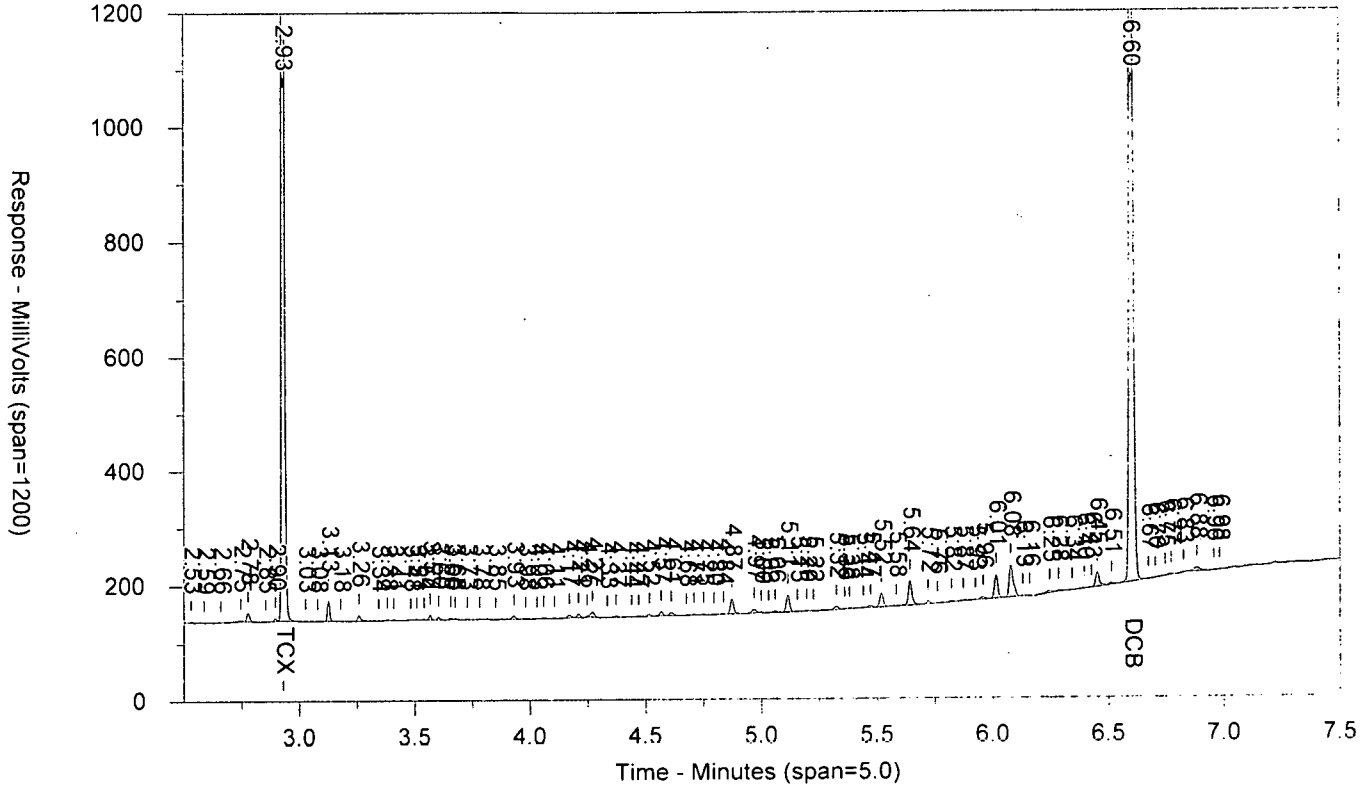

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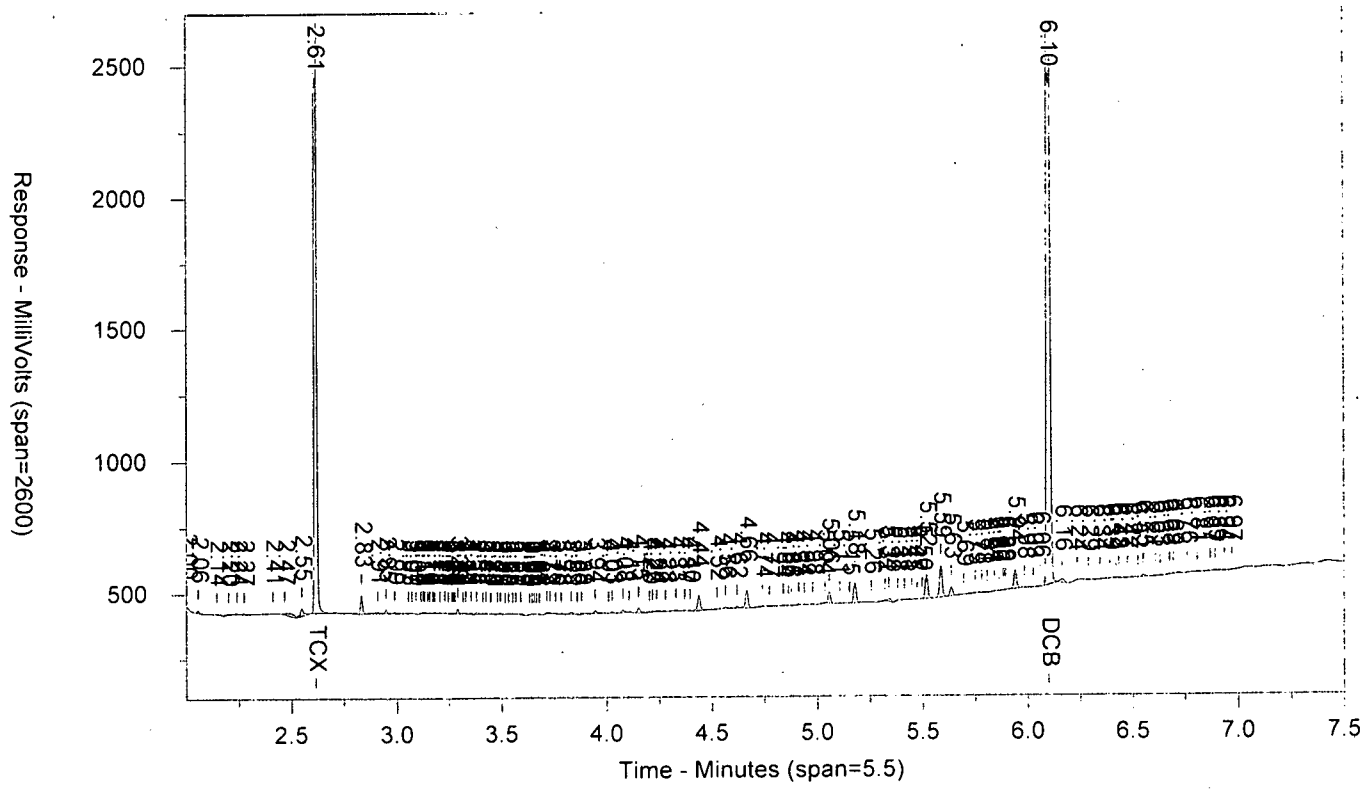

LANCASTER LABORATORIES

Sample Number: IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082
Injected On: 10/12/2017 11:39:42 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2959383	.196	TCX	2.614	5224088	.192	TCX
6.6	1874983	.195	DCB	6.098	5654027	.187	DCB

Files:
Area File: 25PCBS17284001.077.RAW
Area File: 25PCBS17284001B.077.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:35 PM
File Reported On: 10/12/2017 at 4:38:49 PM

IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082

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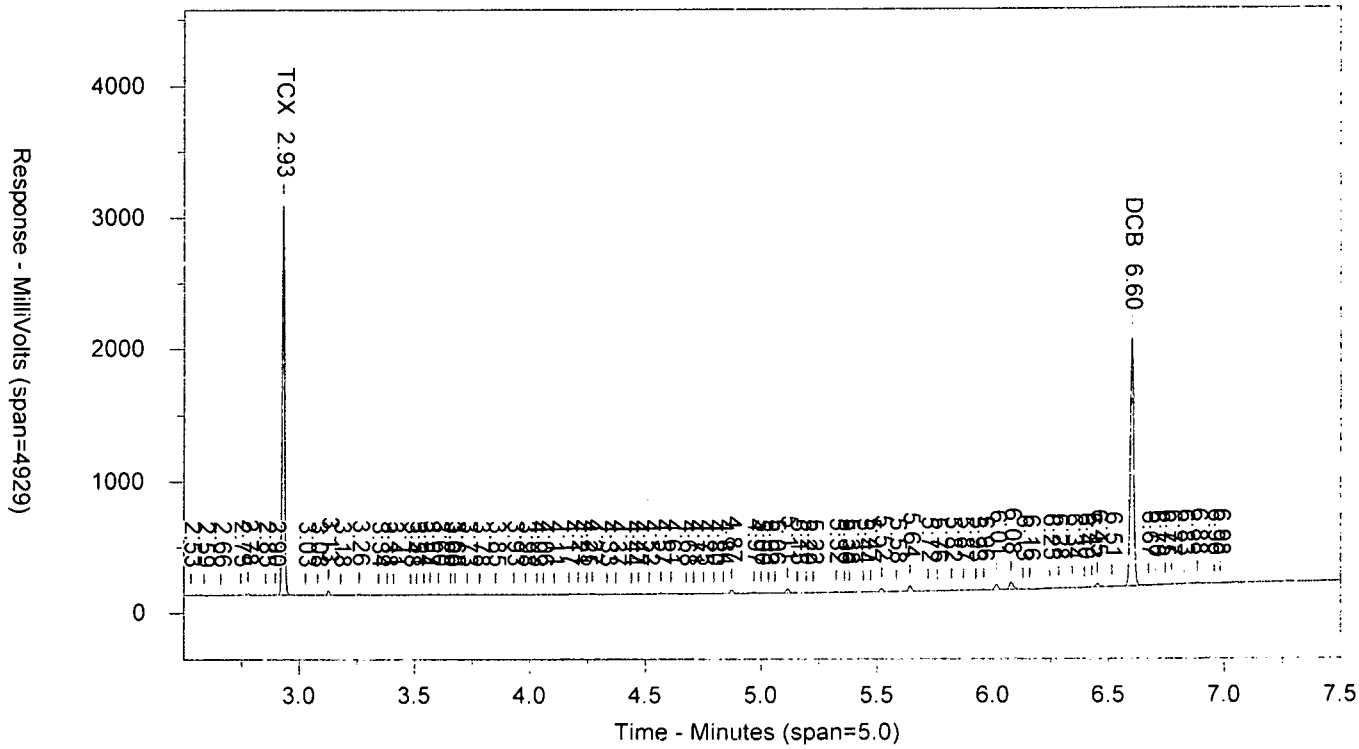

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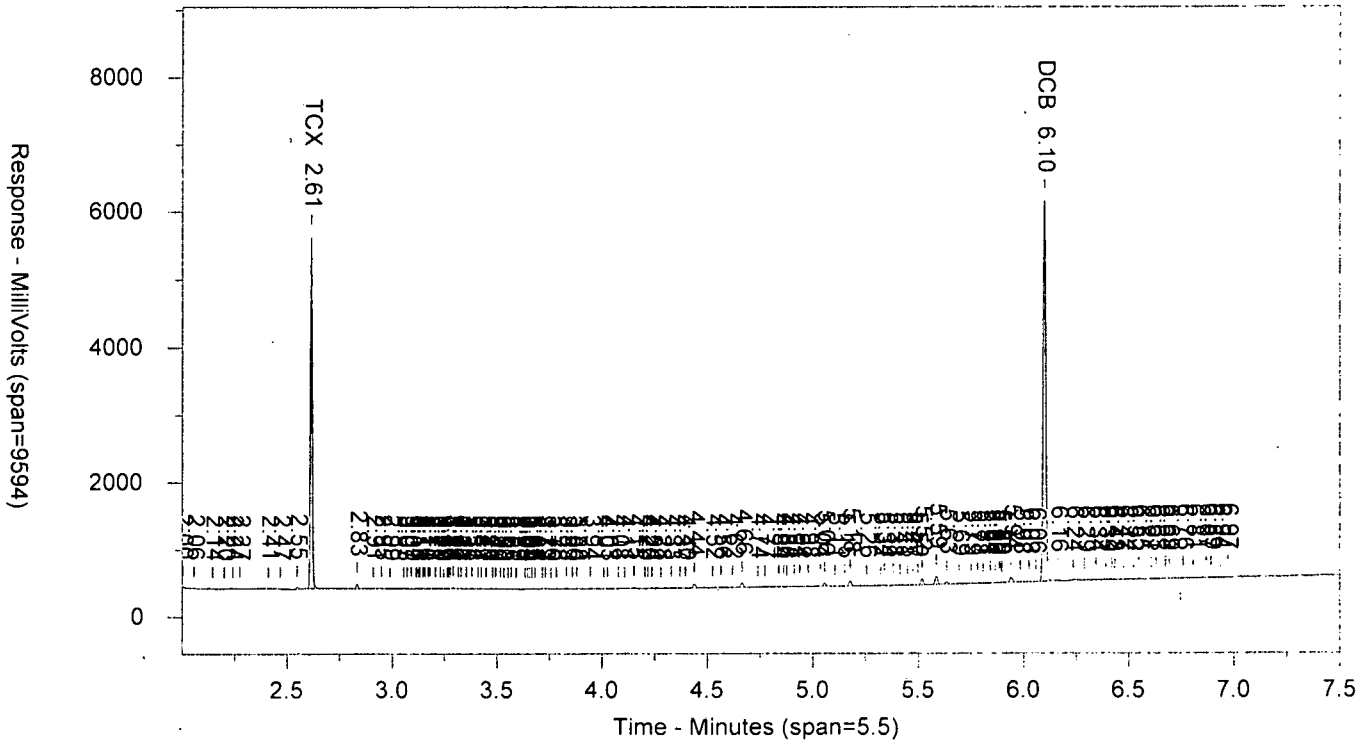

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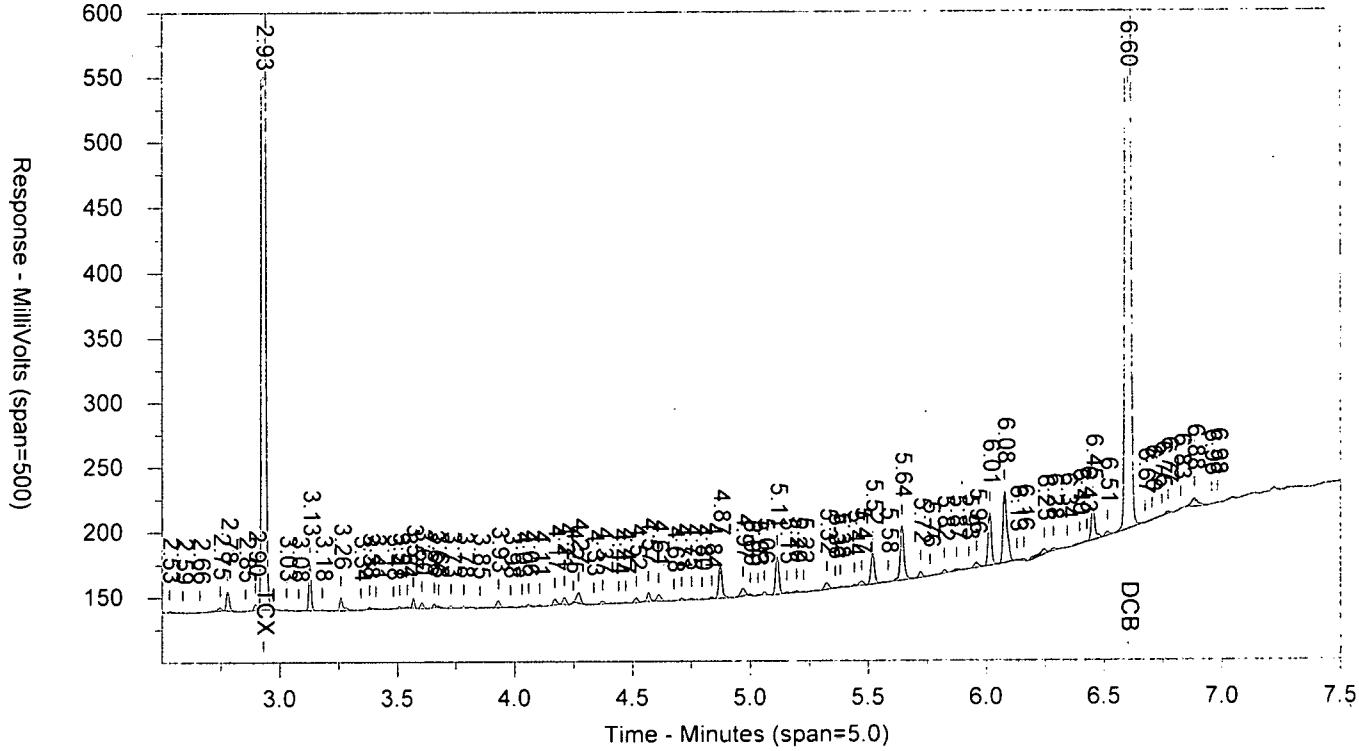

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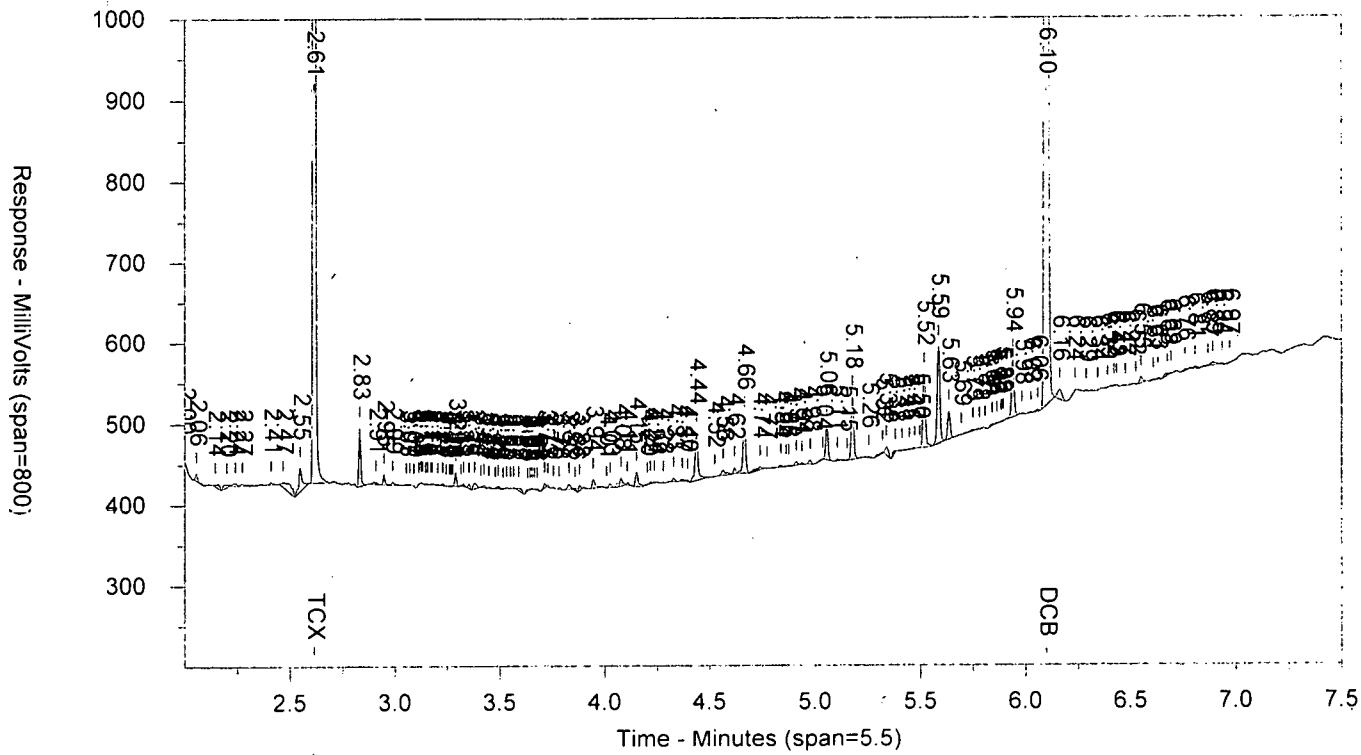

LANCASTER LABORATORIES

Sample Number: AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:15:57 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: 07pcbs17282002.0035.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.61		8703	36657
1.918		1957	1232
1.975		1711	941
2.059		12028	27529
2.088		4016	3789
2.236		48686	35806
2.335		24099	29193
2.44		1670	1031
2.514		4427	14261
2.575		9251	5344
2.785		85336	76641
2.866		15740	23820
2.9		5524	4826
2.937	TCX	10804930	7384895
3.085		152155	131075
3.141		241432	239210
3.189		968743	664031
3.264		25366	14266
3.282		117510	74753
3.323		2864	2043
3.403		988341	582696
3.419		482022	261504
3.456		124054	71699
3.471		16173	5555
3.483		77500	41130
3.516		1149504	867915
3.551		6335	2890
3.572		44477	26293
3.591		34068	19856
3.625		288124	161201
3.64		150362	76178
3.683		700550	358905
3.694		1220747	592093
3.731		1402951	1059806
3.79		1208294	924754
3.831		104769	71953
3.858		870151	612171
3.885		600778	486501
3.906		186754	92446
3.981		959882	662223
4.005		357491	233110
4.036		377688	271617
4.07		1036655	959331
4.109		332691	261955
4.156		45168	31882
4.195		66283	48628
4.229		926149	693335
4.248		239748	131068
4.271		311574	236722
4.341		166460	138302
4.384		1064767	999910
4.417		33111	21718
4.478		8440	7011

RT A	Compound A	Height A	Area A
4.522		77431	66428
4.572		138454	89674
4.589		277391	189999
4.633		695878	601634
4.682		1056955	1158508
4.719		243931	169081
4.758		2063908	1936763
4.804		7729	6087
4.844		317593	334173
4.877		17631	10441
4.905		365416	339884
4.956		2076830	2607713
5.007		428603	403568
5.048		970890	1113141
5.089		7086	2745
5.128		209267	246141
5.161		2640258	2309767
5.182		116284	62776
5.202		35255	15207
5.228		1585220	1433521
5.27		940289	903991
5.364		331330	271036
5.39		1347064	1217773
5.446		796666	689981
5.486		446858	454275
5.529		89016	90176
5.569		560869	630789
5.626		4108246	4565471
5.831		2557265	2430851
5.862		130766	91646
5.887		673497	724175
6.022		114230	106245
6.101		497500	689639
6.156		3409	4683
6.256		966443	994479
6.3		59307	52519
6.456		286774	303802
6.602	DCB	6230045	6255666
6.782		1173	294
6.844		4108	3327
7.049		5442	8100
7.286		1131	738
7.644		783	995
7.763		1092	404
7.837		1494	960
7.899		1374	861
8.014		1681	365
8.226		1058	906
8.348		1245	829

LANCASTER LABORATORIES

Sample Number: AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:15:57 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: 07pcbs17282002B.0035.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.725		4790	2167
1.768		5770	10811
1.832		6027	16082
1.904		95319	93704
1.964		8408	13290
2.031		28236	21787
2.134		7502	6728
2.162		6337	10456
2.277		14856	9173
2.388		3347	4749
2.508		11938	18151
2.526		132574	134143
2.592	TCX	16605980	10522960
2.636		84962	47851
2.763		265462	183765
2.81		153971	76938
2.825		247850	131661
2.877		1383703	903193
2.926		43637	26298
2.988		183884	127236
3.084		1765534	1766342
3.135		222093	135680
3.156		91094	51666
3.182		152647	85771
3.206		1736664	1148519
3.242		58128	33840
3.27		67745	34254
3.289		437281	231959
3.304		261465	125305
3.354		849928	386180
3.363		1843887	803496
3.383		69375	23156
3.397		1748665	1193055
3.471		1901983	1208740
3.506		1303940	827734
3.529		1387364	769050
3.547		443527	228676
3.594		5000	4183
3.632		1698433	1081773
3.654		626652	340584
3.675		600625	354140
3.703		402848	204345
3.721		1428553	853420
3.762		503882	364048
3.81		62683	52309
3.832		362630	209652
3.853		1798480	1167848
3.878		387097	229401
3.897		60833	29087
3.917		235910	145214
3.952		1430078	1002551
3.986		57193	32590
4		104301	67409
4.049		9158	5015

4.096		86459	62735
4.152		394296	279987
4.194		434910	259081
4.212		335894	169763
4.225		1027727	578198
4.25		590869	606072
4.303		3315802	2455518
4.351		44393	28703
4.373		306507	193548
4.397		719595	544422
4.439		3860379	3072086
4.541		2995873	2950973
4.593		391402	315061
4.632		875785	758120
4.668		3755018	3139466
4.701		2074561	1422844
4.739		1341571	1093978
4.837		434826	320050
4.855		49759	26951
4.888		2516336	1926245
4.911		288652	182846
4.962		1304639	1159974
4.998		652214	516636
5.028		493920	403213
5.061		157621	98329
5.083		5770128	4863490
5.124		106266	77075
5.155		218141	171426
5.275		66981	42705
5.298		1259319	1040079
5.343		3670926	4268856
5.499		135987	118643
5.546		81935	59931
5.568		88206	63903
5.616		680411	611232
5.725		1462258	1264036
5.757		73756	51065
5.877		3737	3051
5.926		496985	449548
6.085	DCB	11541890	10854530
6.293		4924	3626
6.372		1862	1346
6.536		7350	6132
6.769		4533	4783
7.596		2339	4731
8.161		8972	18154

AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082

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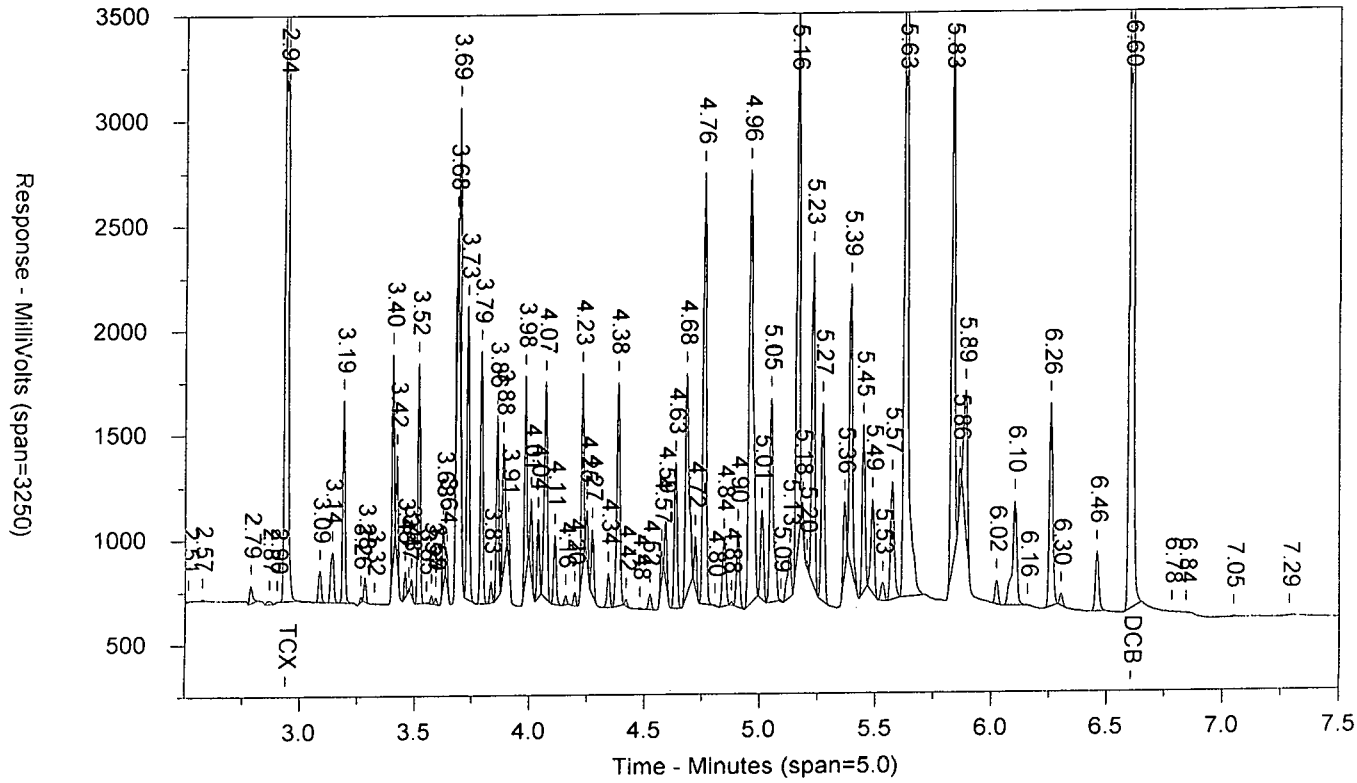

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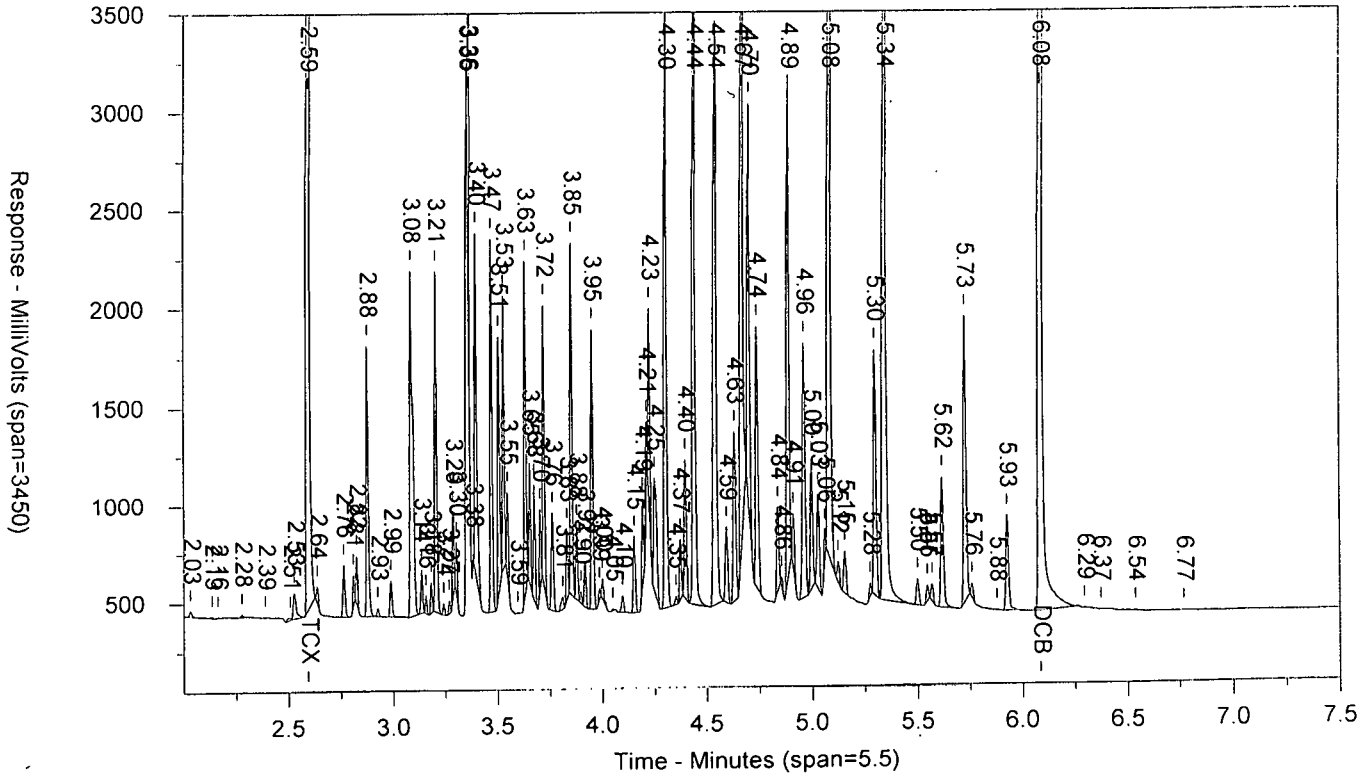

LANCASTER LABORATORIES

Sample Number: AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:15:57 AM
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
2.937	10804930	38.352	TCX	2.592	16605980	52.006	TCX
6.602	6230045	32.5	DCB	6.085	11541890	36.759	DCB

Files:
Area File: 07pcbs17282002.0035.RAW
Area File: 07pcbs17282002B.0035.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 12:24:38 AM
File Reported On: 10/11/2017 at 12:24:50 AM

AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082

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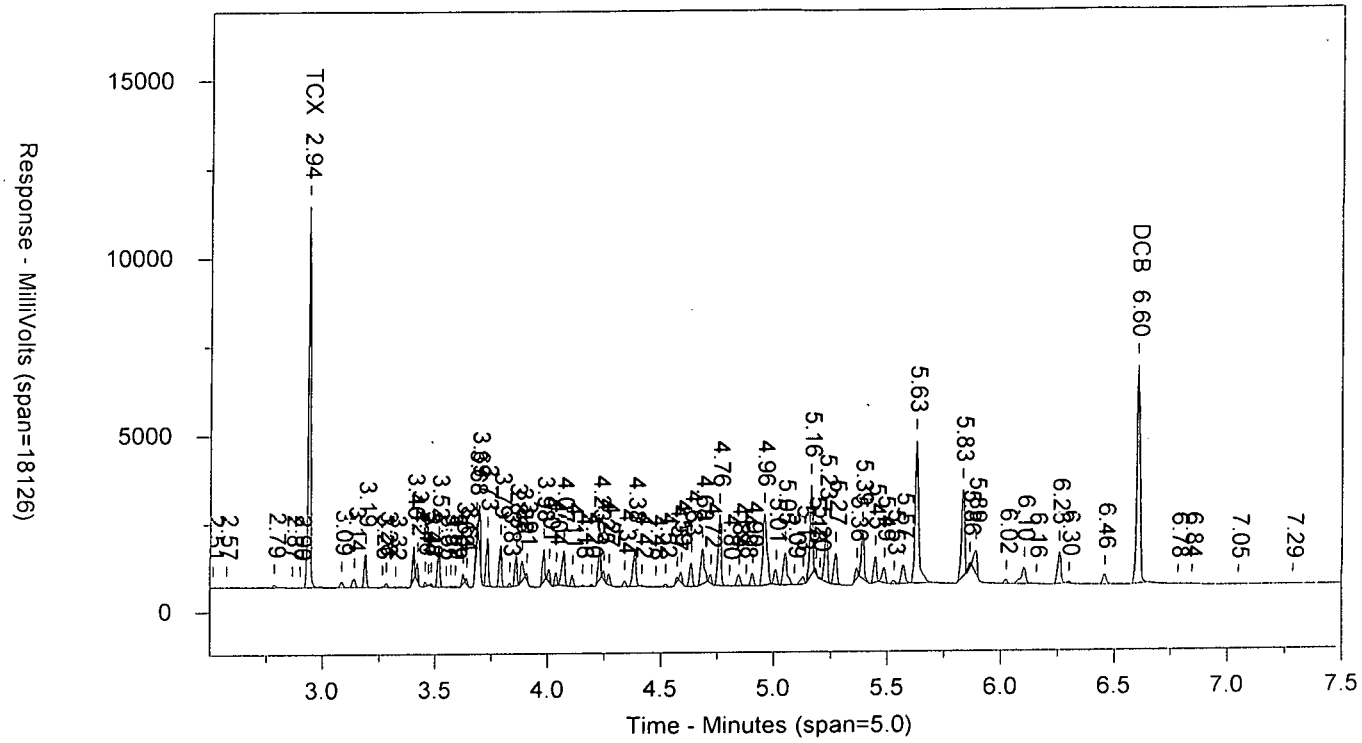

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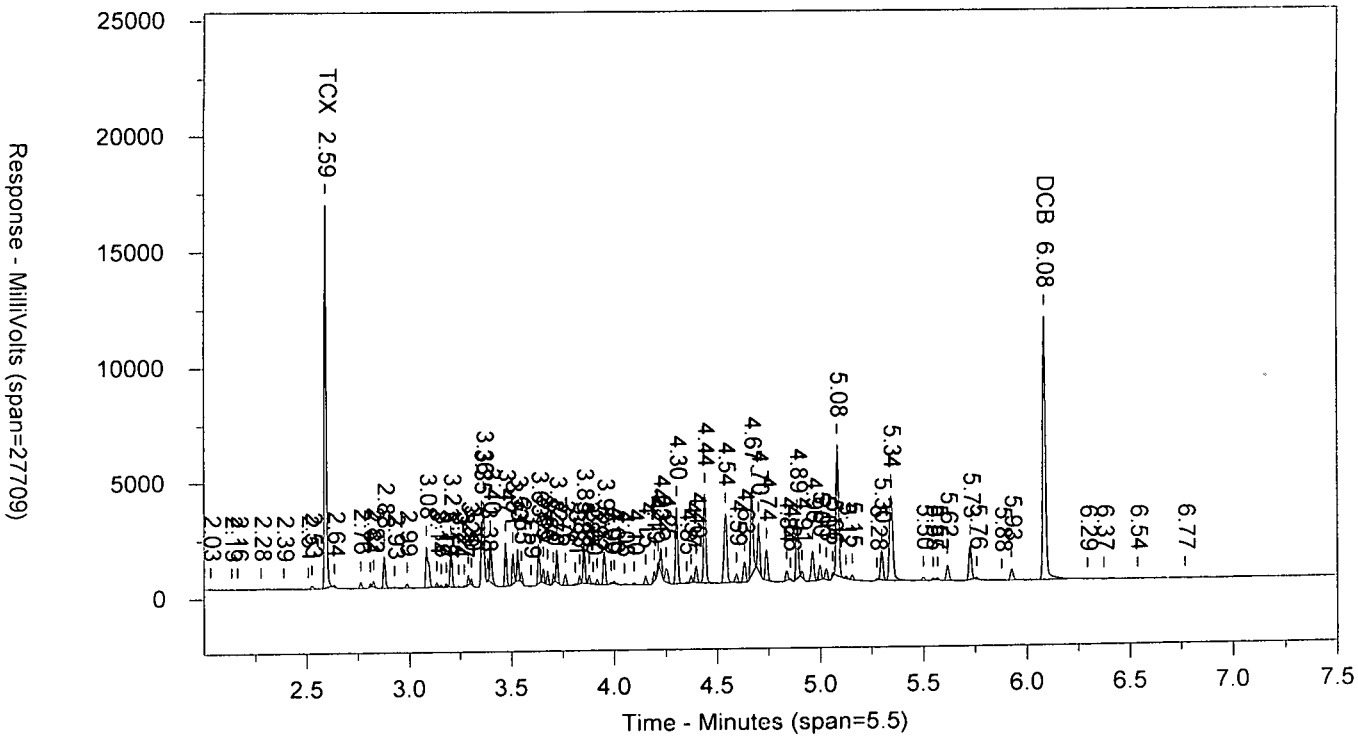

AR1641724B KIAR164KI CCAL 1728299999 10736 SW-846 8082

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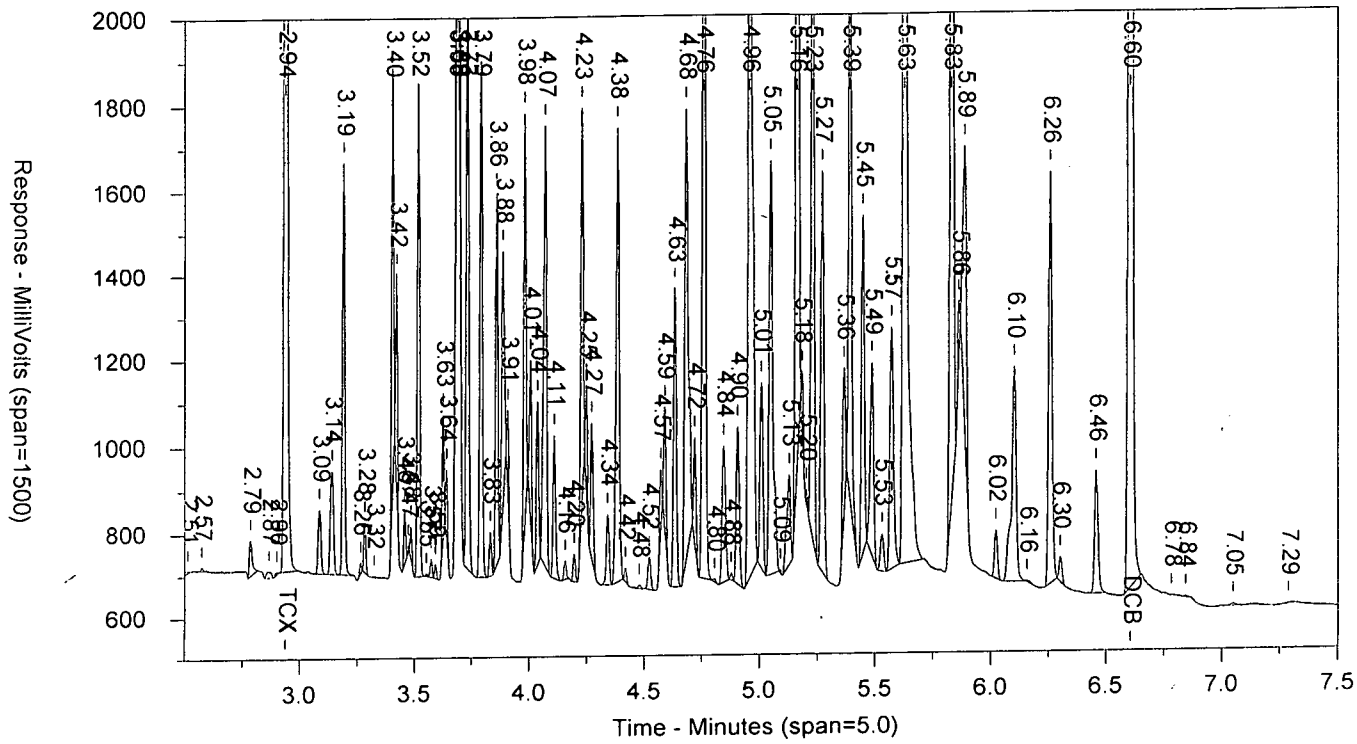

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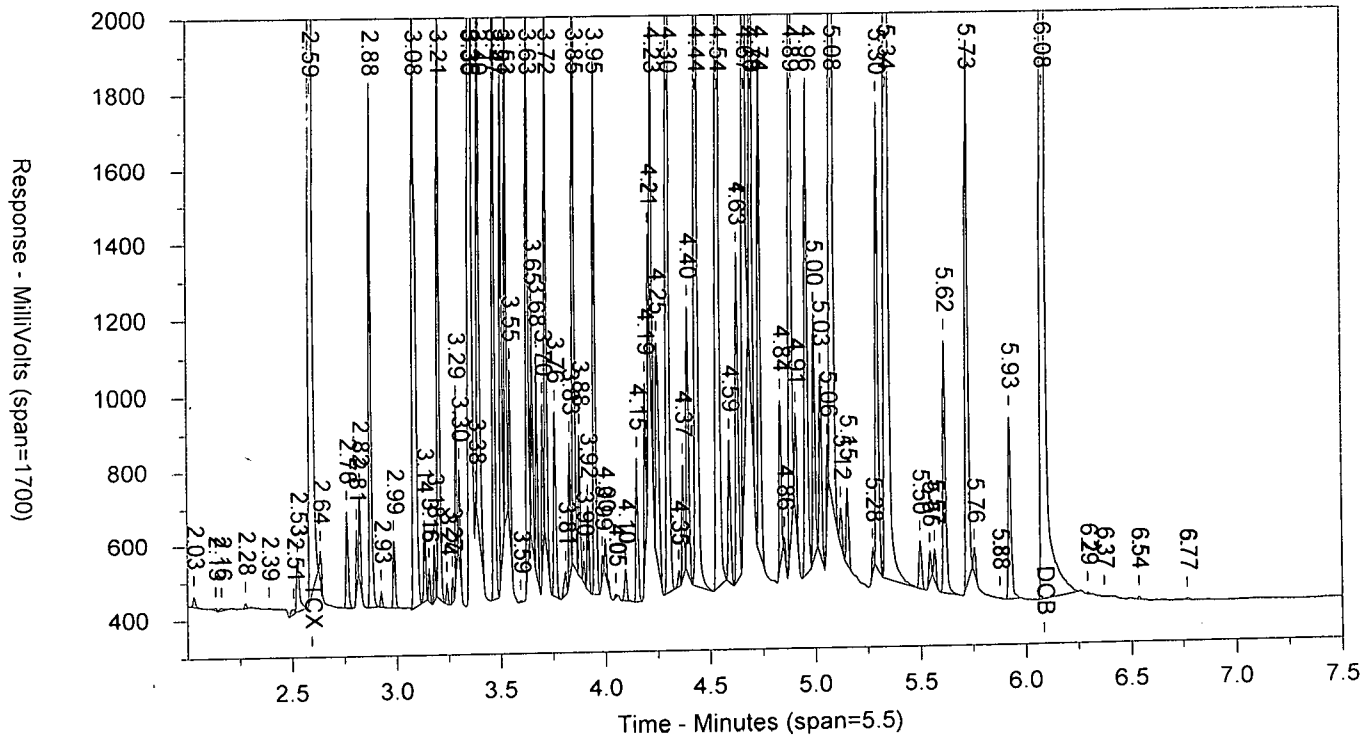

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QTPIBLKQT PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:27:27 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: 07pcbs17282002.0036.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.612		4891	36382
1.904		1417	414
2.053		39669	55011
2.087		5102	6769
2.165		2018	1042
2.211		3193	2223
2.235		24670	18727
2.334		28016	25368
2.497		7713	8042
2.57		1985	669
2.661		7903	5132
2.787		9233	6380
2.858		3994	3096
2.898		8913	6872
2.937	TCX	5360933	3647233
3.134		80728	54581
3.174		1763	918
3.265		19452	15255
3.574		29805	19552
3.599		6253	4731
3.675		14423	12937
3.698		3609	2446
3.845		1485	331
3.851		2147	414
3.878		1460	409
3.892		2411	1677
3.926		4347	4635
3.934		711	112
3.955		2888	769
4.174		11264	10301
4.221		14540	14232
4.253		9505	8286
4.281		12407	10978
4.398		1600	681
4.44		1627	963
4.482		5389	5614
4.512		3117	2177
4.608		3368	6233
4.681		1408	523
4.761		1935	2095
4.798		1765	949
4.846		4374	3793
4.876		1964	463
4.903		5833	5046
4.967		4262	7238
5.041		3034	1393
5.121		3233	3530
5.158		2070	1210
5.338		8924	22607
5.426		1774	1158
5.447		6927	6139
5.48		1421	680
5.533		1624	2637

RT A	Compound A	Height A	Area A
5.556		1163	532
5.587		1163	572
5.652		15801	21363
5.706		1365	933
5.716		1401	348
5.734		2072	1046
5.833		1764	1140
5.957		2001	1739
6.022		32711	31535
6.084		59194	72421
6.197		4504	4391
6.218		2249	1661
6.268		1254	1710
6.429		3881	2902
6.456		30597	27578
6.603	DCB	3130456	3209404
6.725		1787	976
7.05		2272	1617
7.132		1431	633
7.219		1030	1582
7.256		1719	1477
7.305		2212	2230
7.354		1749	493
7.41		1537	673
7.832		1995	649
8.237		1206	324
8.326		1179	484
8.528		1188	1883
8.673		1293	498

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QTPIBLKQT PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:27:27 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: 07pcbs17282002B.0036.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.532		3273	2830
1.686		2783	5336
1.724		4576	2164
1.773		33994	28543
1.8		2734	2355
1.903		62951	52745
1.962		7599	11634
2.031		14609	11297
2.123		4353	6860
2.162		3638	4741
2.207		2525	1160
2.301		2015	1915
2.341		11391	7303
2.388		4524	3565
2.509		6066	9641
2.527		15619	11126
2.592	TCX	8408104	5409408
2.755		10202	6541
2.81		118299	77820
2.862		2281	2336
2.926		22102	13326
2.991		5604	3801
3.052		4910	4666
3.108		9273	20747
3.165		3352	5592
3.27		39343	22000
3.305		17967	15486
3.355		7400	14467
3.429		2740	1968
3.461		2442	3270
3.505		4433	2998
3.571		10233	8469
3.618		12481	19991
3.695		4870	9681
3.745		5707	3245
3.784		8530	5461
3.856		4756	6759
3.895		1648	908
3.917		18572	16661
3.997		10690	12739
4.048		15260	10438
4.151		3557	10761
4.2		2714	5775
4.286		7980	6993
4.342		4191	5641
4.395		2447	4485
4.554		9956	8954
4.591		5183	5088
4.617		7793	15302
4.718		2862	25378
4.816		19274	20887
4.909		10794	23887
5.035		2698	14156
5.079		2990	3148

5.133		2514	1446
5.154		6532	5403
5.198		6832	7958
5.229		10275	10574
5.321		2306	1969
5.35		21695	18300
5.44		6196	9247
5.499		38712	34347
5.536		14416	12974
5.567		29543	26847
5.651		2301	8420
5.681		3215	4235
5.725		5044	7931
5.822		23818	48086
5.926		56931	47651
5.955		3806	3718
6.003		2764	2838
6.085	DCB	5888724	5518878
6.336		13042	20521
6.431		2594	2331
6.477		2683	5250
6.537		4078	3121
6.568		12082	17747
6.628		2930	3230
6.798		9692	13732
7.032		11574	16415
7.077		2098	1941
7.184		3098	9496
7.295		6439	11175
7.59		4301	7160
8.166		10284	23879

IBLKX1724B QTPIBLKQT PIBLK1728299999 10736 SW-846 8082

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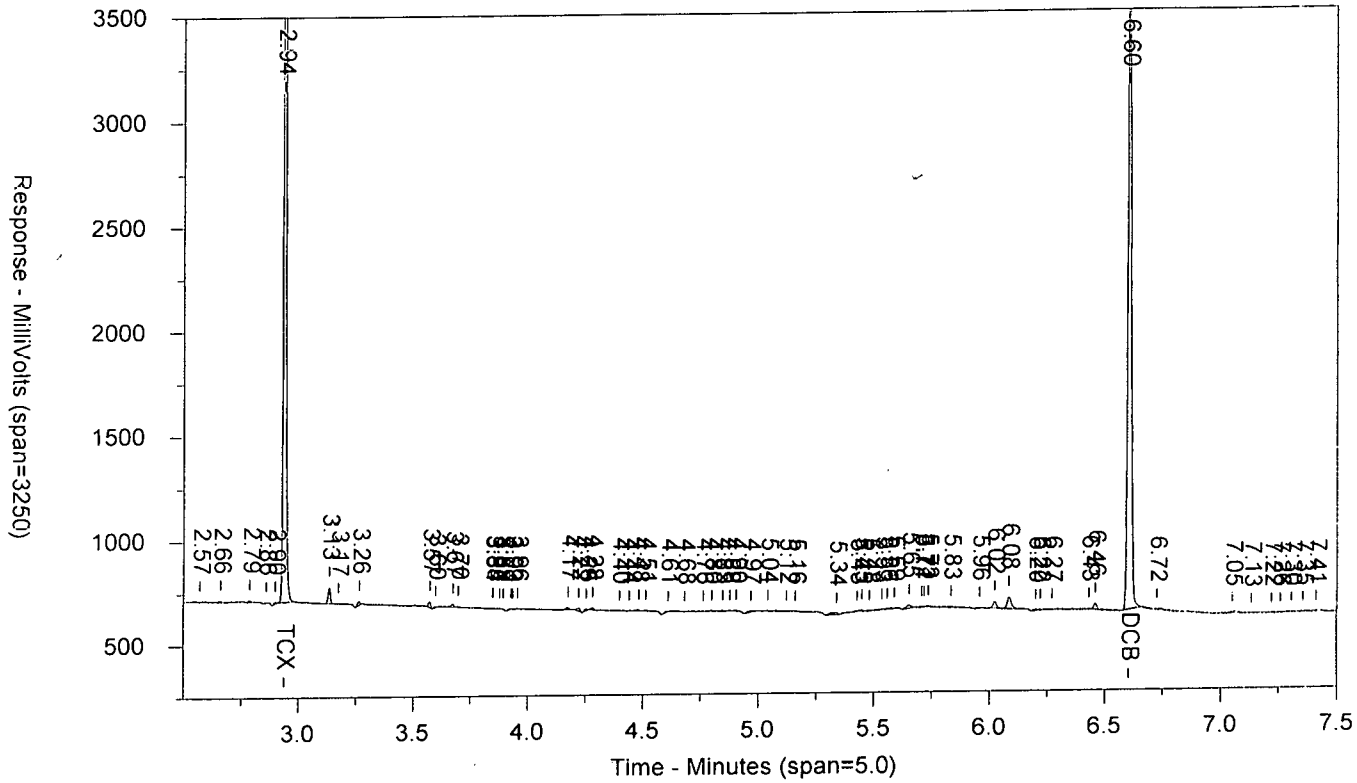

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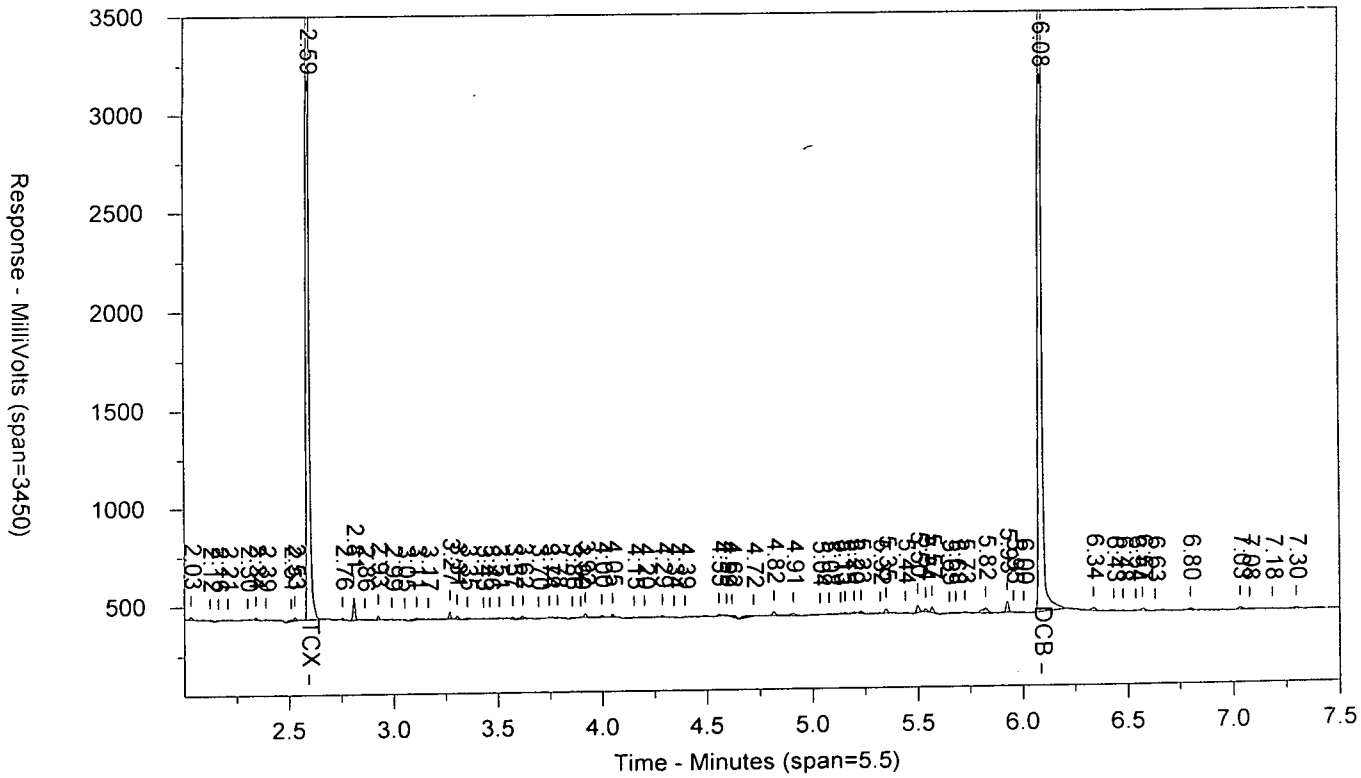

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QTPIBLKQT PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 12:27:27 AM
Sample Weight: 1000
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
2.937	5360933	.19	TCX	2.592	8408104	.263	TCX
6.603	3130456	.163	DCB	6.085	5888724	.188	DCB

Files:
Area File: 07pcbs17282002.0036.RAW
Area File: 07pcbs17282002B.0036.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 12:36:10 AM
File Reported On: 10/11/2017 at 12:36:20 AM

IBLKX1724B QTPIBLKQT PIBLK1728299999 10736 SW-846 8082

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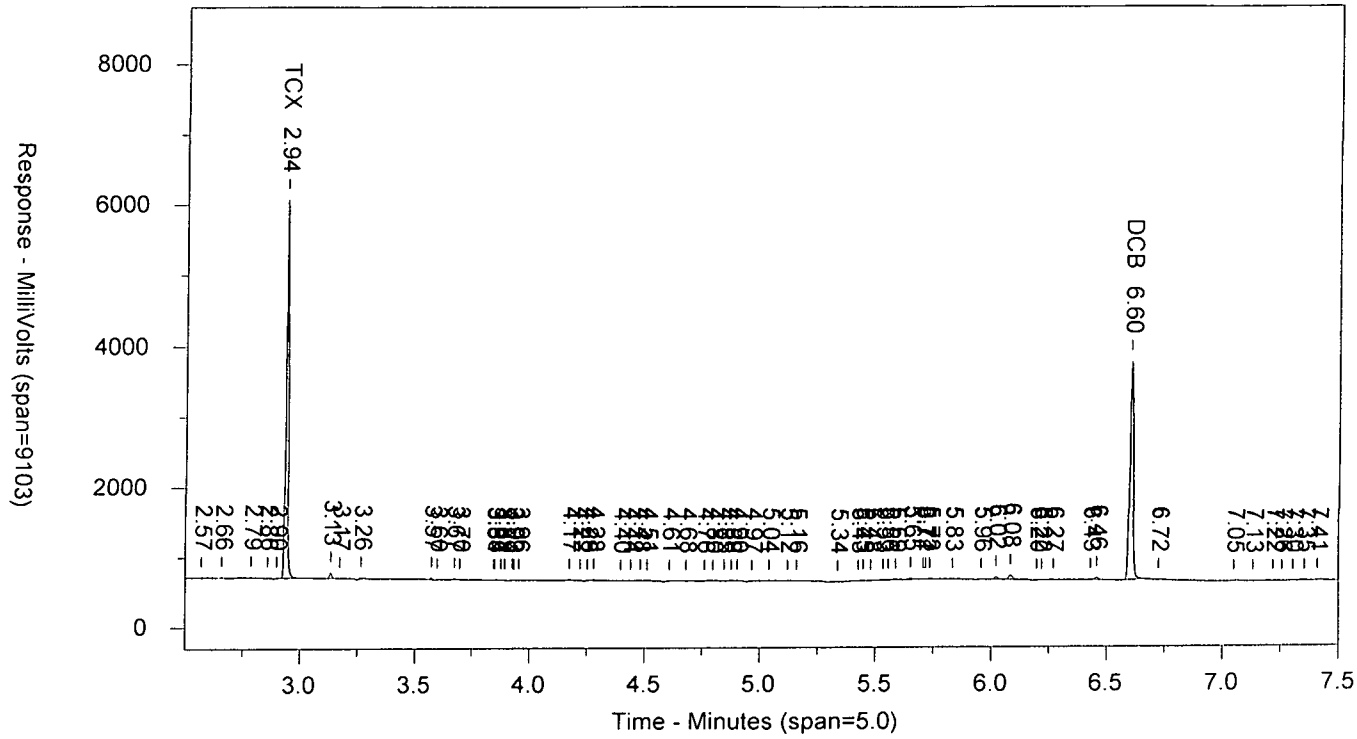

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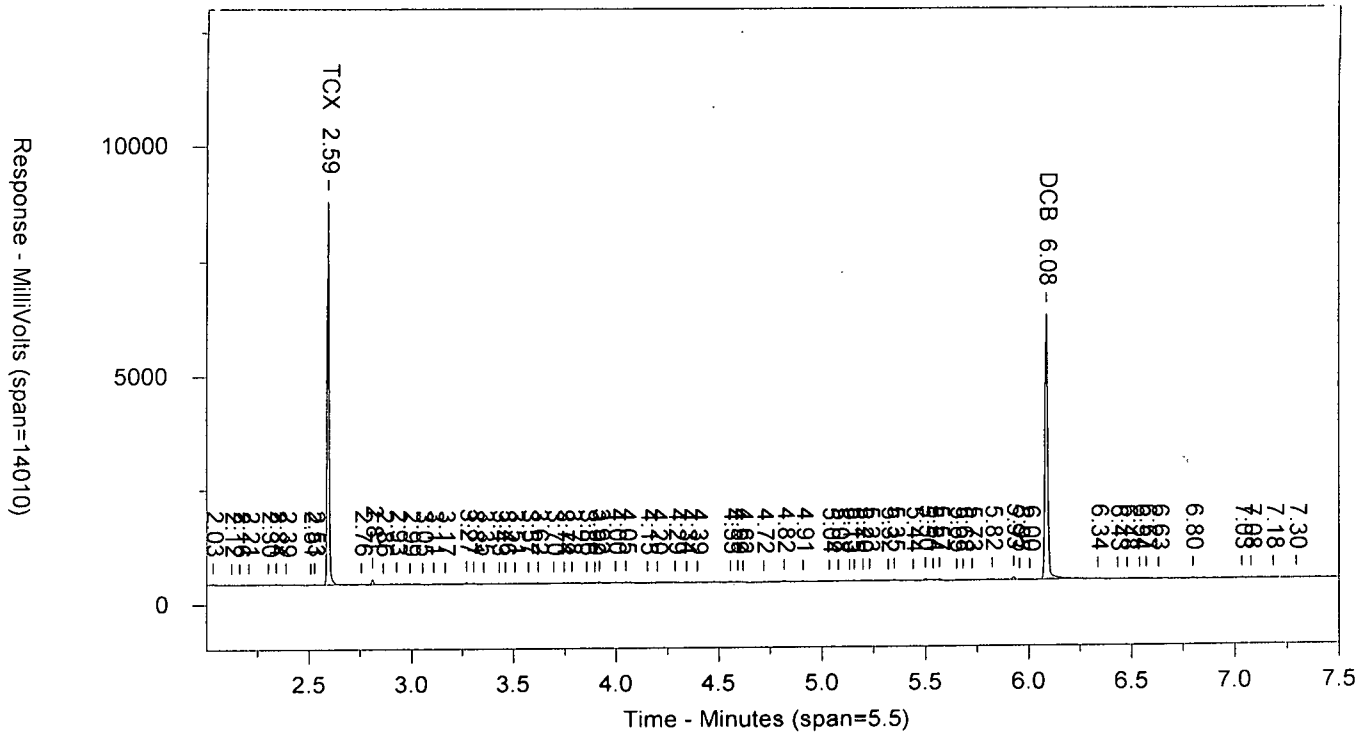

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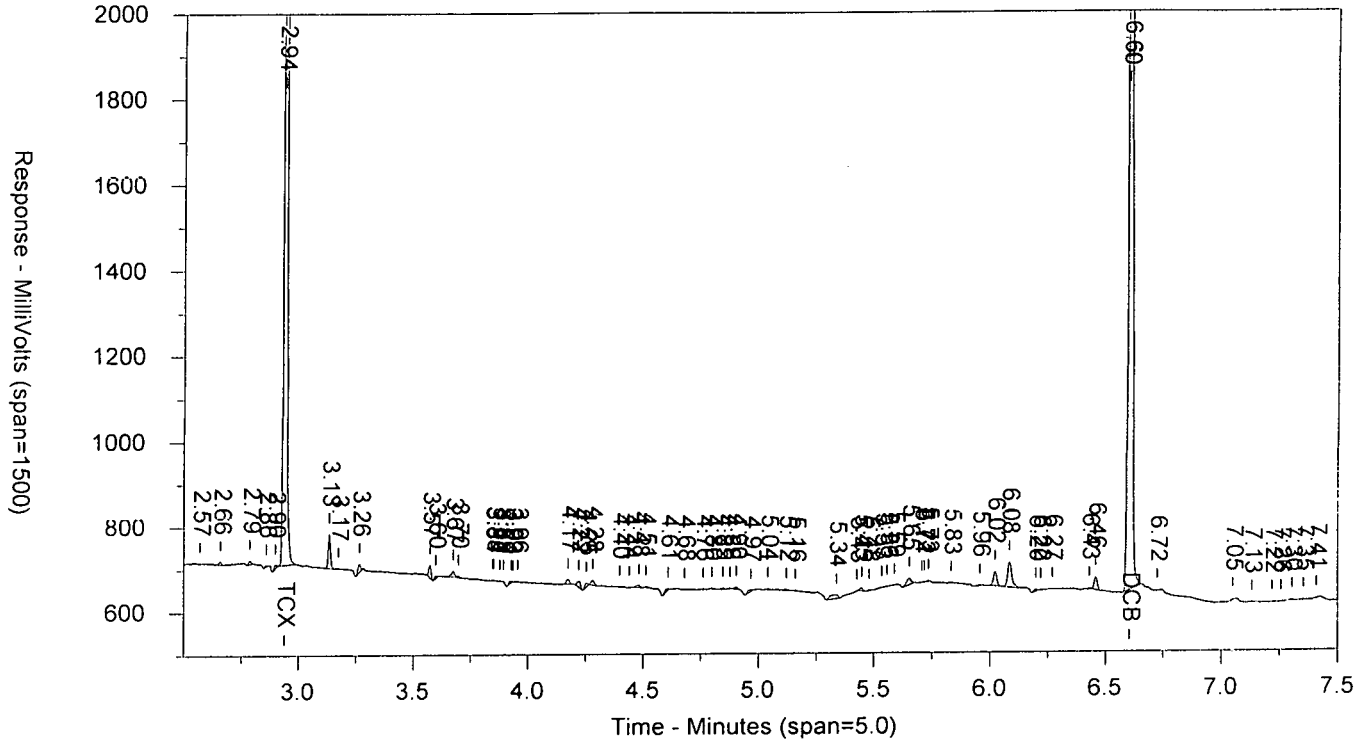

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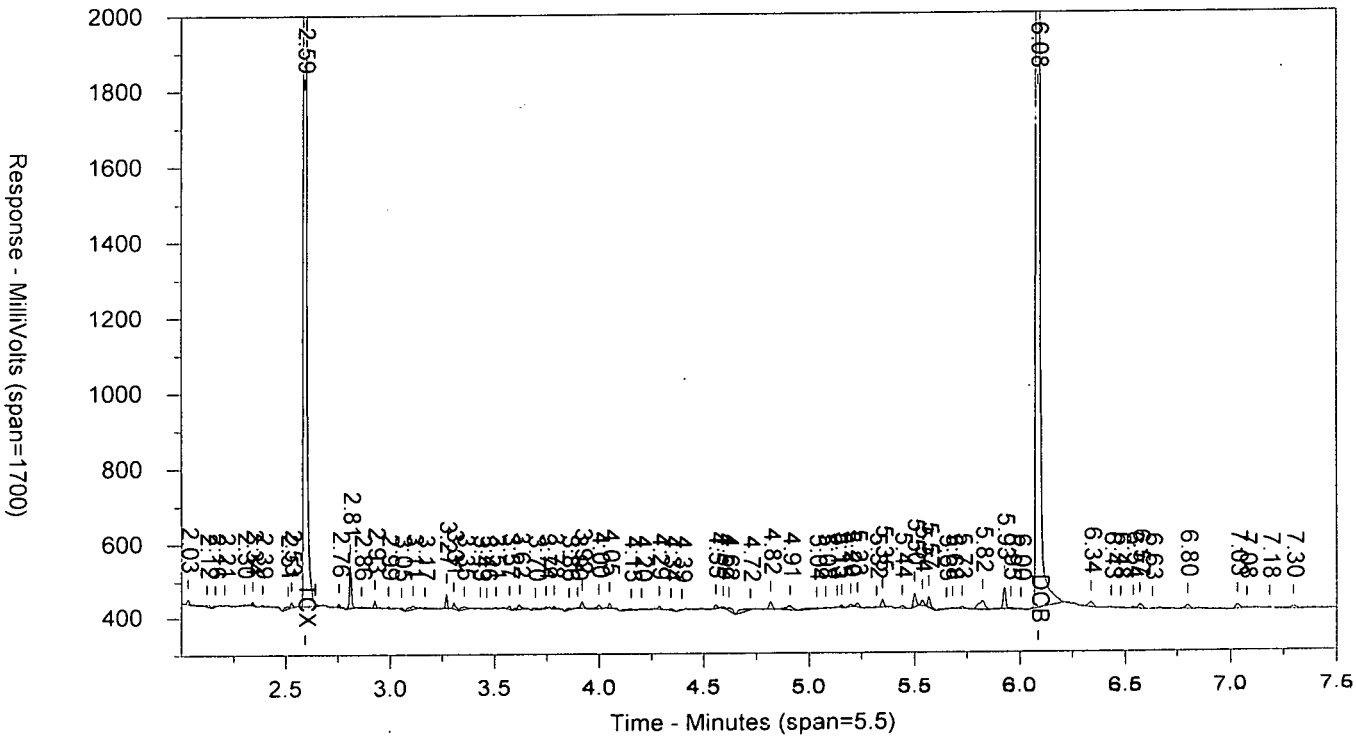

LANCASTER LABORATORIES

Sample Number: AR1641724B KJAR164KJ CCAL 1728299999 10736 SW-846 8082
Injected On: 10/11/2017 2:33:12 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: 07pcbs17282002.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.617		15078	61905
1.653		3863	7307
1.736		2555	1364
1.917		2173	1146
1.954		2391	2104
1.98		1733	589
2.061		15173	40557
2.104		3304	11604
2.177		2469	2866
2.235		51188	38353
2.334		28659	32286
2.498		5262	5418
2.545		2171	1564
2.575		8835	5586
2.661		3604	2812
2.785		85994	72125
2.863		6983	7625
2.901		6402	6000
2.938	TCX	10986900	7320762
3.036		3438	1815
3.086		149860	133163
3.141		245325	238878
3.189		945287	664150
3.265		22676	13089
3.282		120278	74315
3.322		2306	1405
3.403		990864	584660
3.42		485487	260216
3.457		127726	72009
3.472		17616	5904
3.484		80486	40591
3.517		1186749	867582
3.555		6459	3272
3.573		46796	27578
3.593		35242	20768
3.626		289509	162260
3.641		149225	75914
3.683		644246	337331
3.694		1294607	627008
3.731		1405083	1062056
3.79		1265366	926059
3.832		102524	72421
3.859		857034	614734
3.886		601182	493825
3.907		185349	90185
3.982		917118	661743
4.006		364609	235363
4.037		382941	273773
4.071		1048861	969645
4.11		336448	260778
4.157		45997	33348
4.196		68620	48961
4.23		939184	685297

RT A	Compound A	Height A	Area A
4.248		241121	128348
4.272		306979	235768
4.341		165783	140375
4.384		1073018	1004387
4.418		33751	22127
4.481		8498	5325
4.522		79031	68132
4.573		135995	89758
4.59		283827	186775
4.634		674170	607114
4.683		1068234	1152383
4.719		231366	168339
4.759		2145181	1948016
4.803		8567	6816
4.845		329580	335561
4.877		18414	11252
4.905		370572	340550
4.957		2168918	2596992
5.007		437434	403260
5.048		965055	1098311
5.128		211117	246598
5.162		2623082	2325774
5.184		94141	45574
5.202		27423	11476
5.227		1584547	1447254
5.27		969837	929208
5.365		351329	287276
5.39		1415826	1278342
5.447		807252	739492
5.486		458140	483349
5.529		94320	98217
5.57		604059	692315
5.627		4355294	5036319
5.831		2713437	2677200
5.863		115565	88709
5.886		699552	790482
6.023		125052	124572
6.102		557394	786799
6.226		1350	400
6.256		1040581	1083762
6.3		66936	56834
6.457		304957	314749
6.602	DCB	7150768	6737076
7.046		3001	2951
7.095		1071	457
7.204		1515	1575
7.452		1010	530
7.592		1432	401
7.84		1503	511
7.979		1665	1211
8.088		1061	372
8.202		1288	786
8.527		1447	450
8.543		1280	425
8.684		1643	739

LANCASTER LABORATORIES

Sample Number: AR1641724B KJAR164KJ CCAL 1728299999 -10736 SW-846 8082
Injected On: 10/11/2017 2:33:12 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: 07pcbs17282002B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.7		3518	6954
1.723		3784	1879
1.77		5399	9788
1.844		8091	27080
1.904		99420	108048
1.965		11725	33997
2.031		32192	31872
2.135		7369	7855
2.165		3053	4316
2.276		14084	9160
2.507		12461	18751
2.526		135593	137541
2.592	TCX	16265740	10228180
2.635		83539	47513
2.763		258782	178578
2.81		155018	75705
2.825		241688	128286
2.877		1353184	886343
2.926		44024	26005
2.988		185204	123684
3.084		1734095	1748348
3.136		215720	133174
3.157		91593	51114
3.183		152315	83873
3.206		1707516	1144086
3.243		57609	34001
3.27		67746	33638
3.289		450476	229341
3.304		258615	124762
3.355		934177	377581
3.364		1895375	804697
3.384		56568	20119
3.397		1750586	1192141
3.471		1947761	1210672
3.507		1336356	839326
3.53		1399387	776383
3.548		458300	229262
3.633		1689299	1089623
3.655		629456	336370
3.676		587868	348698
3.704		399612	200614
3.722		1432189	856144
3.762		501115	363218
3.811		65564	53113
3.832		348407	211595
3.854		1814379	1187441
3.879		376371	225246
3.898		58798	28152
3.918		233981	146064
3.953		1487852	1034203
3.987		60533	33504
4.001		108665	69563
4.05		15325	19844
4.096		92075	68029

4.153		399516	286289
4.194		446515	268945
4.212		382570	180066
4.226		1083030	614958
4.251		601661	621479
4.304		3497215	2600230
4.352		43011	28654
4.373		308008	199900
4.397		752761	570393
4.44		4262100	3269482
4.541		3136816	3159464
4.593		411699	334112
4.632		930233	799971
4.669		3880737	3357732
4.701		2197810	1558587
4.739		1469051	1174640
4.837		459495	337033
4.855		44324	22446
4.888		2676679	2078321
4.911		295989	182570
4.961		1343912	1257044
4.997		697358	557918
5.028		528735	429352
5.06		151302	101413
5.083		6194609	5378752
5.124		120672	83737
5.154		226999	184520
5.274		76505	47253
5.298		1375420	1143533
5.343		4010378	4700540
5.499		152939	137660
5.545		92345	65983
5.567		97652	73939
5.617		751950	688923
5.726		1582022	1423112
5.757		77840	54517
5.926		504131	496441
6.084	DCB	12044210	11480680
6.535		8947	8384
6.709		2132	3250
6.77		4935	5747
7.418		944	2605
8.164		8906	16263

AR1641724B KJAR164KJ CCAL 1728299999 10736 SW-846 8082

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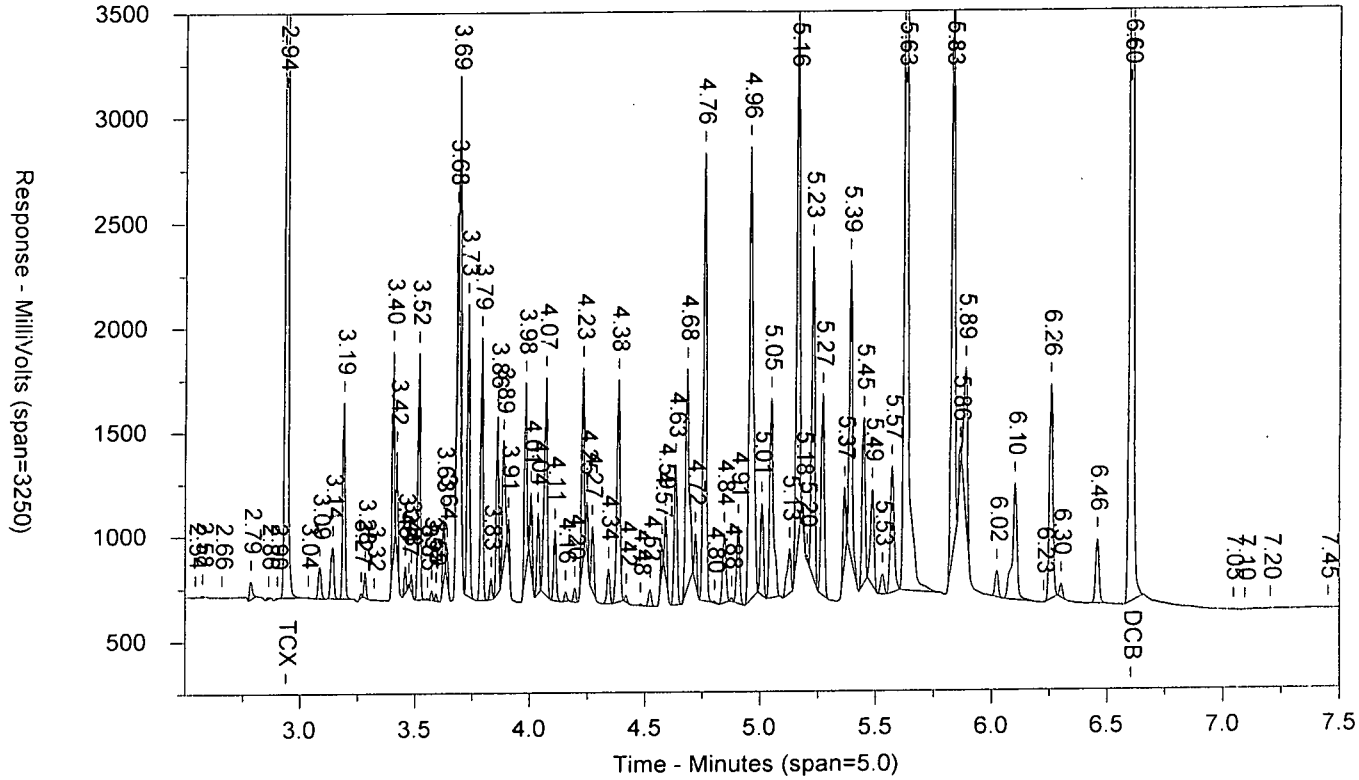

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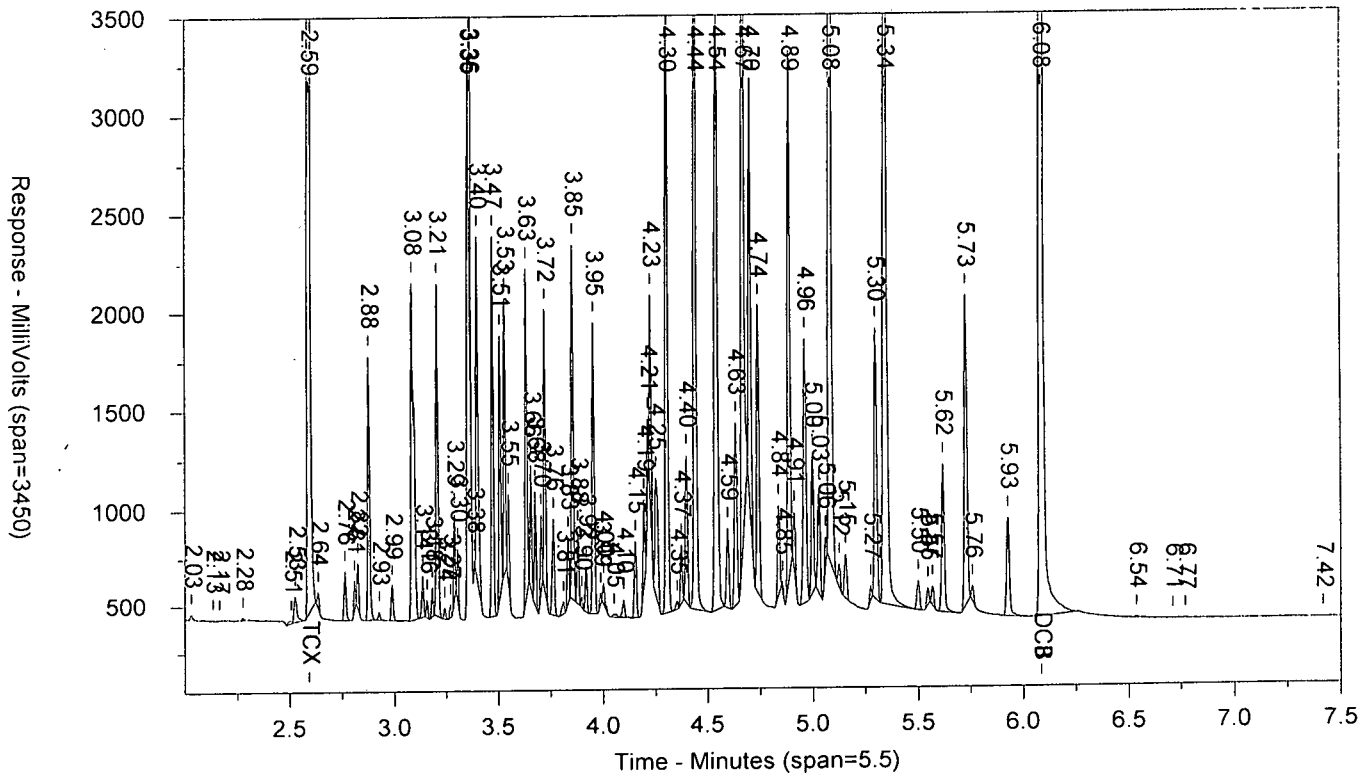

LANCASTER LABORATORIES

Sample Number: AR1641724B KJAR164KJ CCAL 1728299999 10736 SW-846 8082
Injected On: 10/11/2017 2:33:12 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
2.938	10986900	38.998	TCX	2.592	16265740	50.94	TCX
6.602	7150768	37.303	DCB	6.084	12044210	38.359	DCB

Files:
Area File: 07pcbs17282002.0047.RAW
Area File: 07pcbs17282002B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 2:41:56 AM
File Reported On: 10/11/2017 at 2:42:12 AM

AR1641724B KJAR164KJ CCAL 1728299999 10736 SW-846 8082

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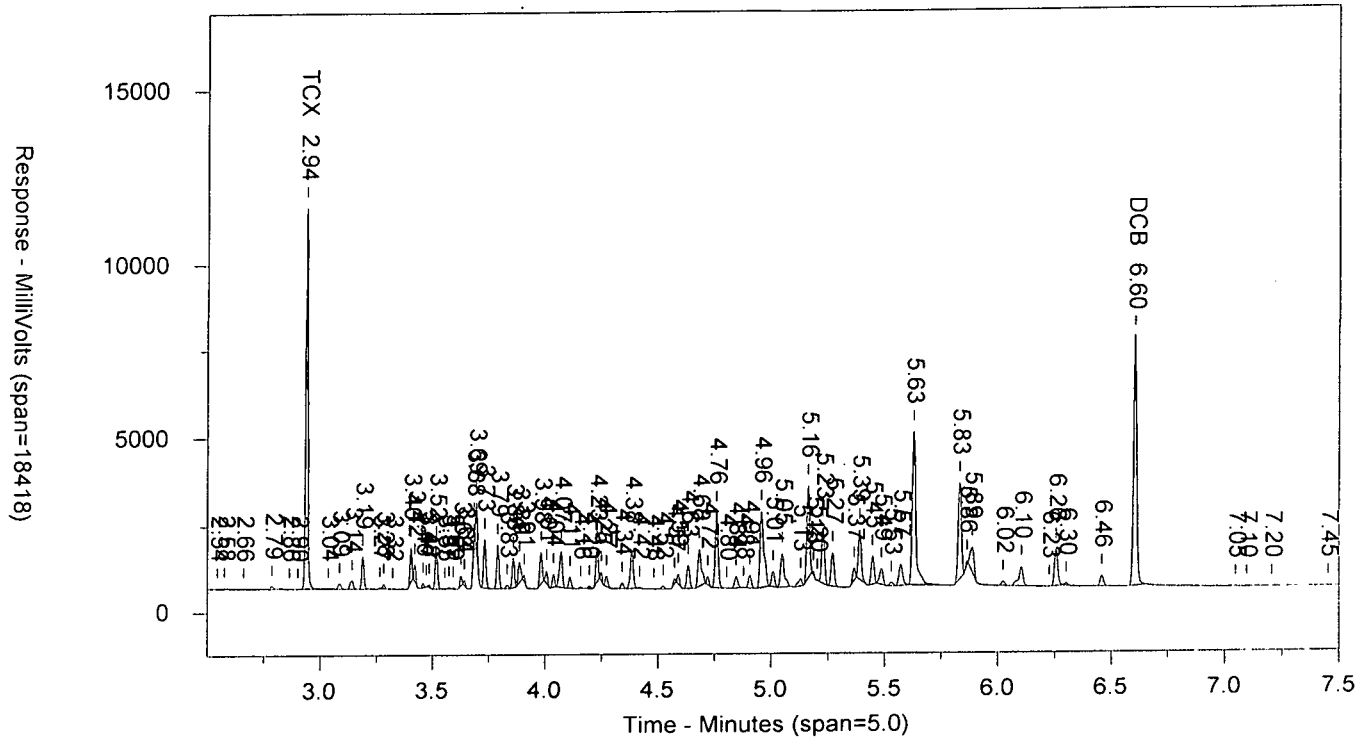

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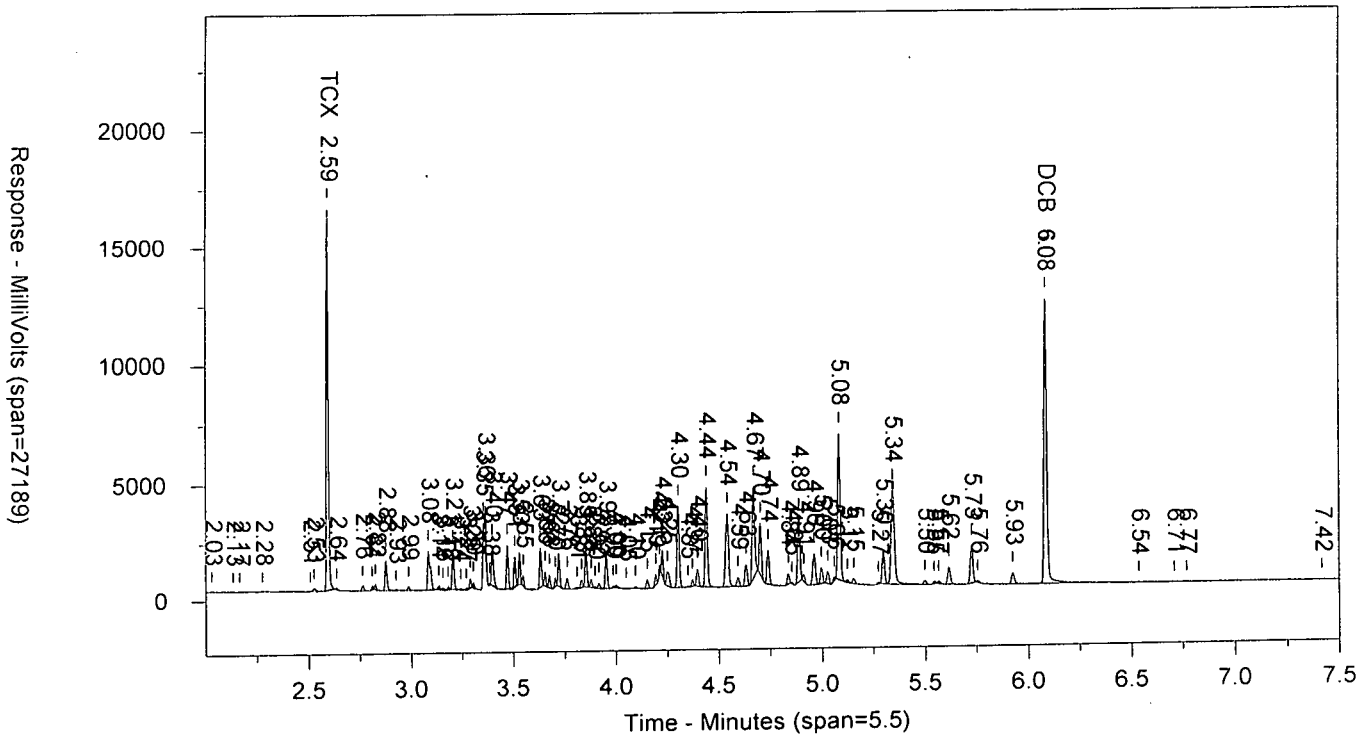

AR1641724B KJAR164KJ CCAL 1728299999 10736 SW-846 8082

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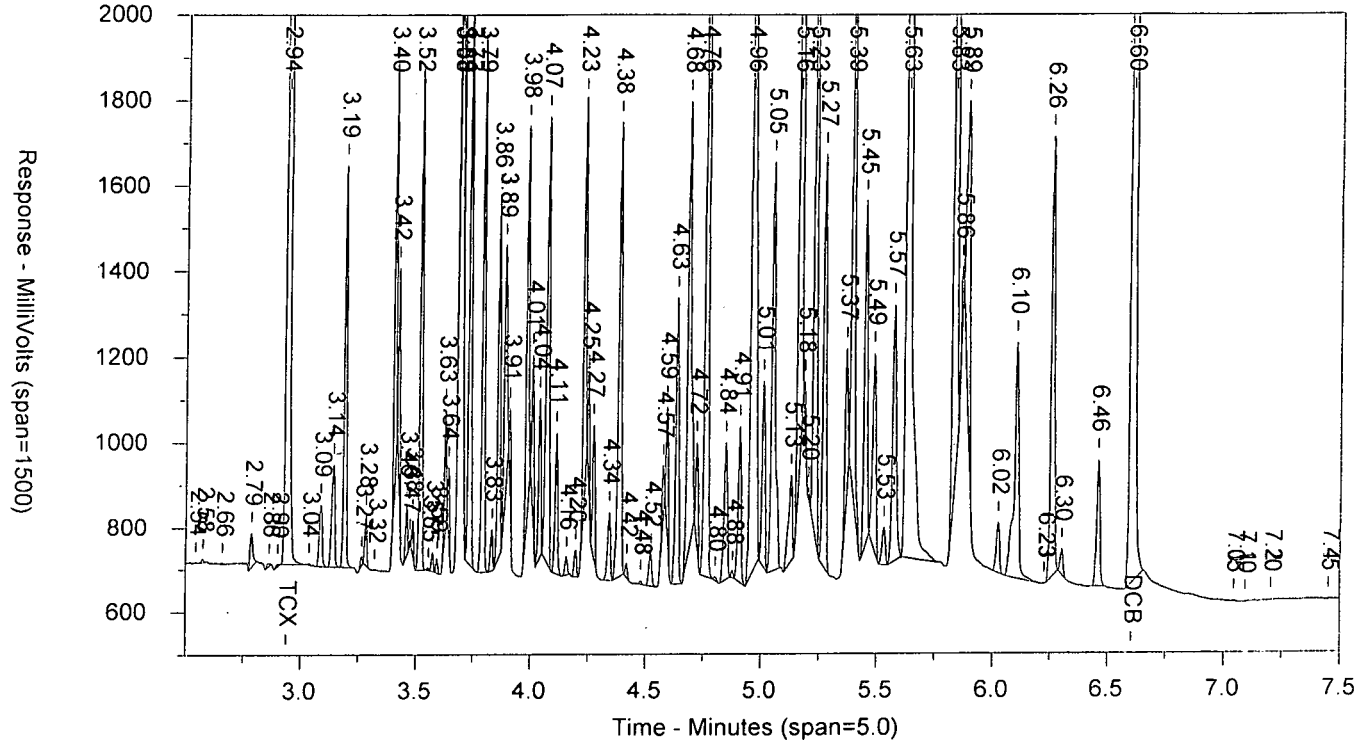

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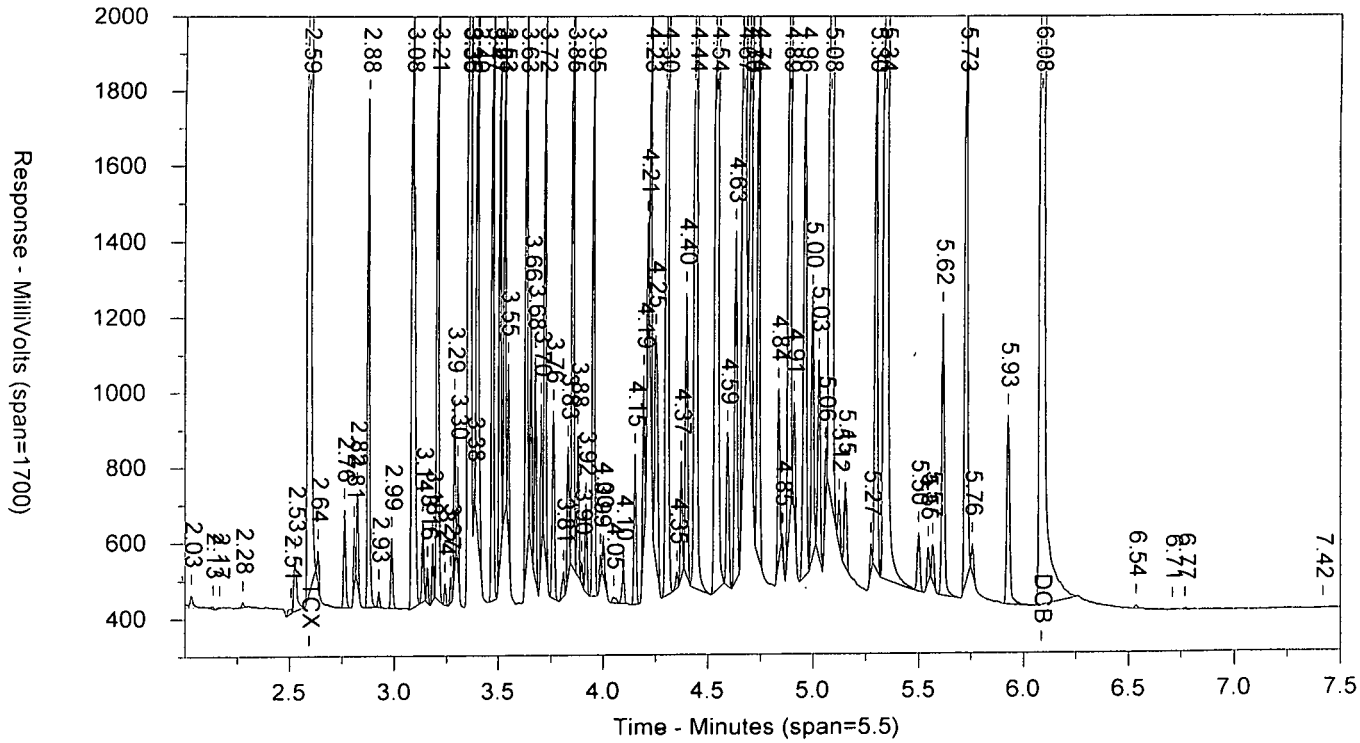

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QUPIBLKQU PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 2:44:37 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: 07pcbs17282002.0048.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.61		24348	81306
1.649		5501	4261
1.731		3436	2338
1.917		3118	6241
1.986		1844	2943
2.063		26300	57063
2.087		19428	27154
2.118		6112	13029
2.235		24900	19878
2.334		30722	27378
2.5		6043	9802
2.785		15066	11295
2.85		16711	7535
2.87		16394	17481
2.902		10054	10925
2.937	TCX	5650939	3770582
3.134		84051	54980
3.265		29810	33634
3.573		28871	17515
3.604		7538	9112
3.664		4276	2839
3.774		1558	444
3.858		1162	298
3.881		4764	10907
3.925		2972	4093
3.933		1580	263
3.944		1411	520
3.979		1114	456
4.125		1294	458
4.172		12163	10472
4.261		3633	9272
4.278		13135	14269
4.323		1531	2036
4.372		1126	818
4.499		1155	814
4.616		3352	14351
4.623		1781	1312
4.752		1967	1163
4.853		1963	634
4.901		9305	20184
4.97		5630	12095
5.042		3205	3644
5.068		1221	382
5.146		1193	796
5.235		1609	339
5.335		2885	15293
5.359		1240	298
5.43		4811	6461
5.465		1477	475
5.495		1555	731
5.526		1767	1199
5.574		2415	2250
5.65		15655	19333

RT A	Compound A	Height A	Area A
5.732		29957	29662
5.949		3712	3276
5.987		1808	466
6.022		40804	38895
6.085		32583	36554
6.194		9114	8980
6.236		2295	3625
6.305		2903	2080
6.335		1262	369
6.456		37309	33151
6.482		7407	6788
6.602	DCB	3451099	3484868
6.991		1301	545
7.039		1664	496
7.271		1015	1530
7.323		1650	532
7.536		1503	493
7.589		1700	1374
7.61		1110	649
7.775		1184	441
8.082		1567	926
8.402		1078	257
8.456		1742	906
8.57		1240	560
8.637		1101	371

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QUPIBLKQU PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 2:44:37 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: 07pcbs17282002B.0048.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.529		2174	1757
1.56		6508	5233
1.724		4349	2227
1.772		8120	12432
1.819		7921	16046
1.844		8236	22589
1.902		70158	77810
1.964		7242	14651
2.031		12847	10724
2.159		8069	12677
2.208		2643	3274
2.303		3658	9792
2.389		3053	2070
2.485		10754	3774
2.507		8074	9488
2.526		29424	25705
2.592	TCX	8283385	5381048
2.81		119166	80159
2.926		22798	14618
2.968		2759	1753
3.049		4612	5673
3.103		6205	14736
3.198		2783	3837
3.27		42313	24786
3.306		10098	7651
3.335		8245	4019
3.597		5210	6254
3.693		11422	18488
3.803		6023	12698
3.853		3932	4484
3.917		19560	19840
3.994		4359	5008
4.048		18615	24286
4.145		6190	15810
4.21		4630	18349
4.3		1883	7529
4.404		409	2472
4.496		1424	1036
4.554		10839	11111
4.617		4845	3603
4.671		4497	10112
4.819		3617	3952
5.154		10255	8701
5.192		5305	6374
5.316		44325	67057
5.386		11555	34983
5.446		3349	3217
5.499		47561	44351
5.568		41314	38241
5.616		2535	2008
5.925		61703	57052
6.084	DCB	6244848	6075704
6.535		3740	2993
6.725		1611	2882

7.461	1350	1531
7.585	2013	3379
7.884	1370	2505
8.164	9785	18132

IBLKX1724B QUPIBLKQU PIBLK1728299999 10736 SW-846 8082

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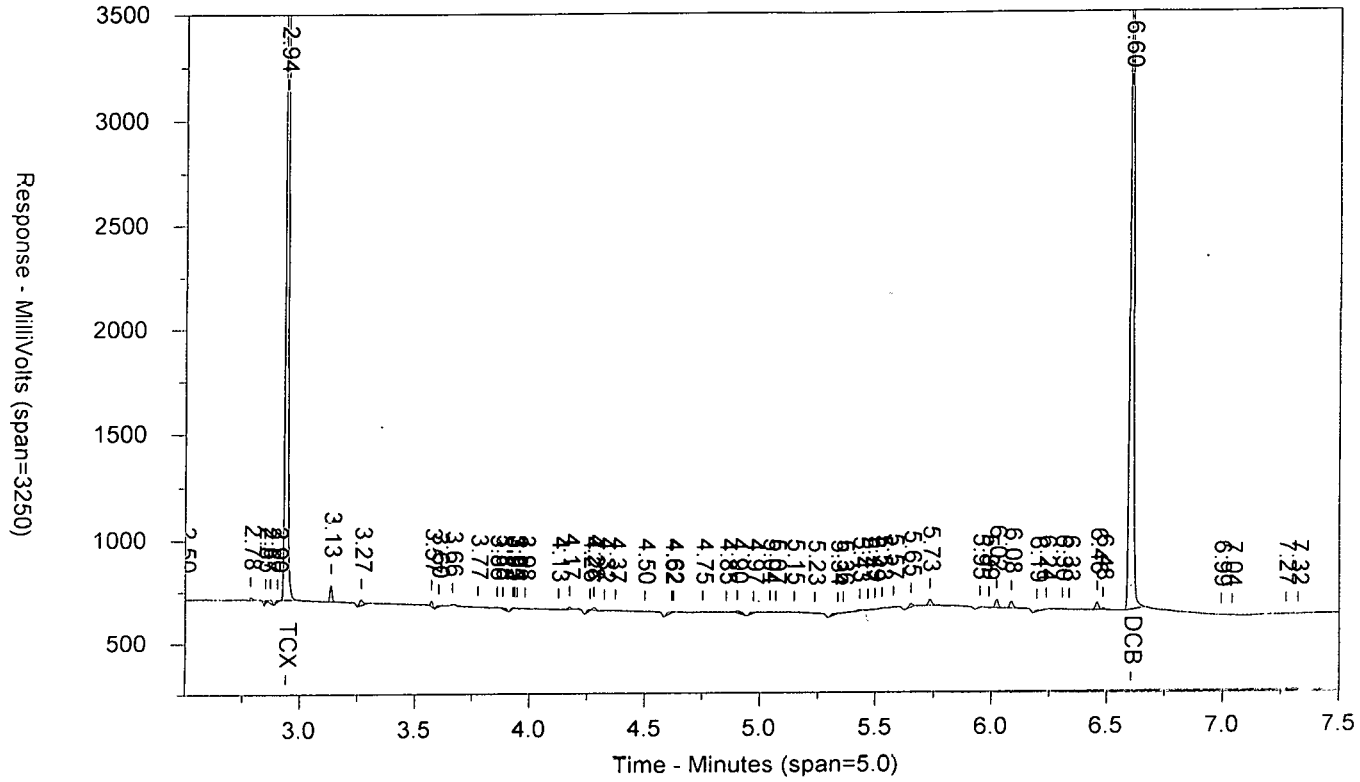

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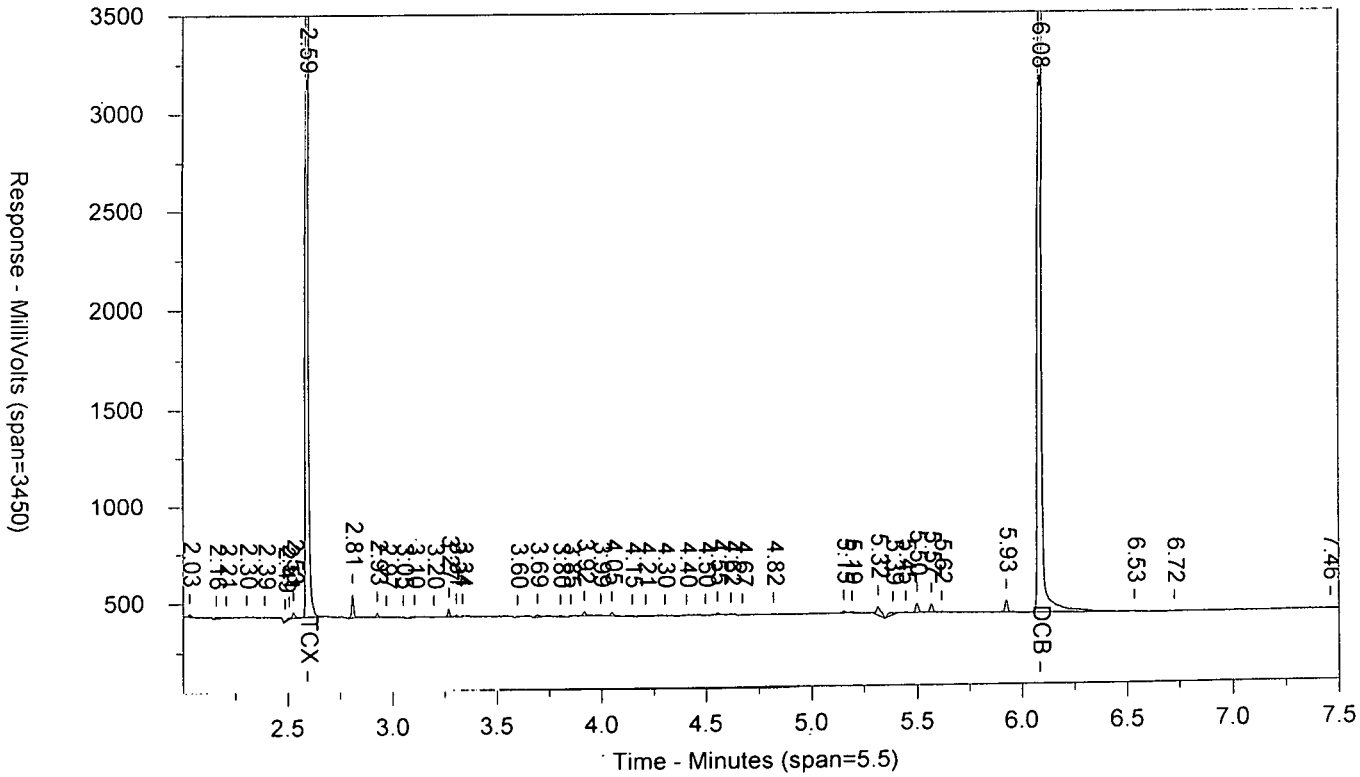

LANCASTER LABORATORIES

Sample Number: IBLKX1724B QUPIBLKQU PIBLK1728299999 10736 SW-846 8082
Injected On: 10/11/2017 2:44:37 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
2.937	5650939	.201	TCX	2.592	8283385	.259	TCX
6.602	3451099	.18	DCB	6.084	6244848	.199	DCB

Files:
Area File: 07pcbs17282002.0048.RAW
Area File: 07pcbs17282002B.0048.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 2:53:20 AM
File Reported On: 10/11/2017 at 2:53:28 AM

IBLKX1724B QUPIBLKQU PIBLK1728299999 10736 SW-846 8082

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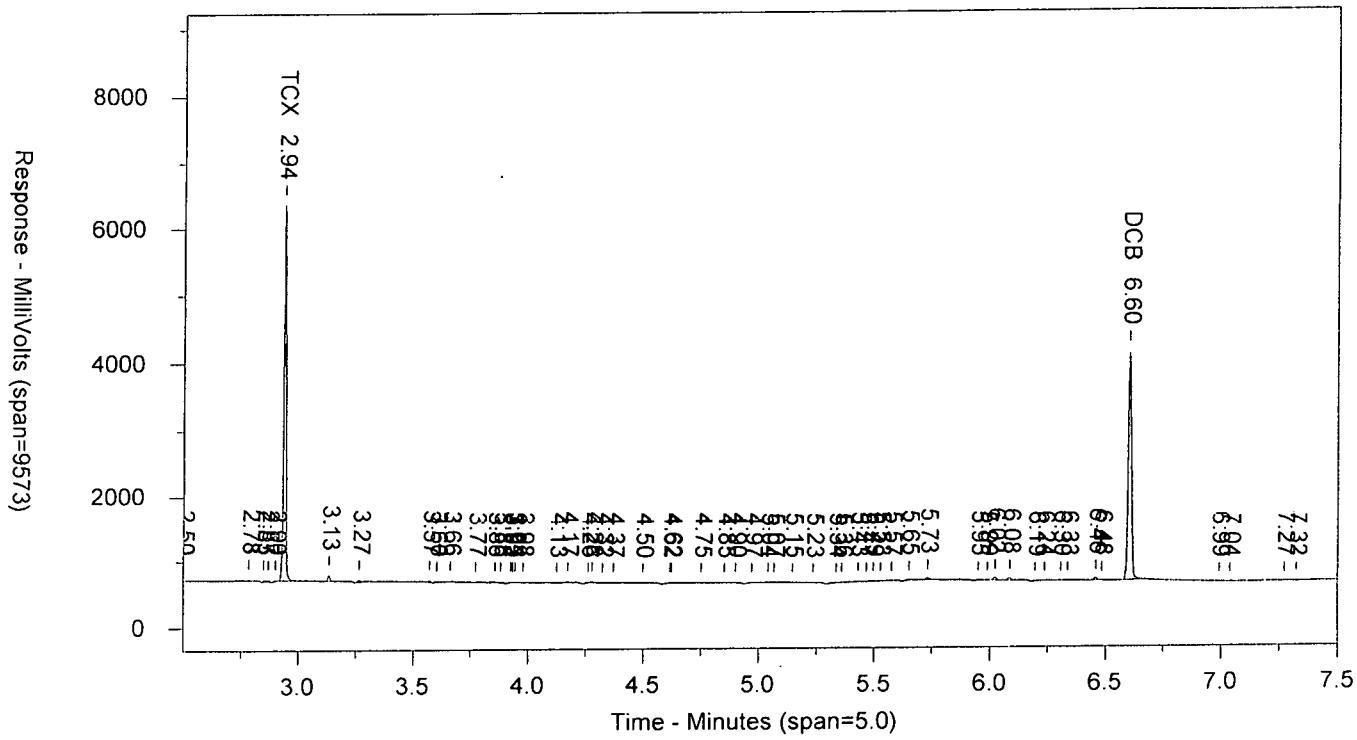

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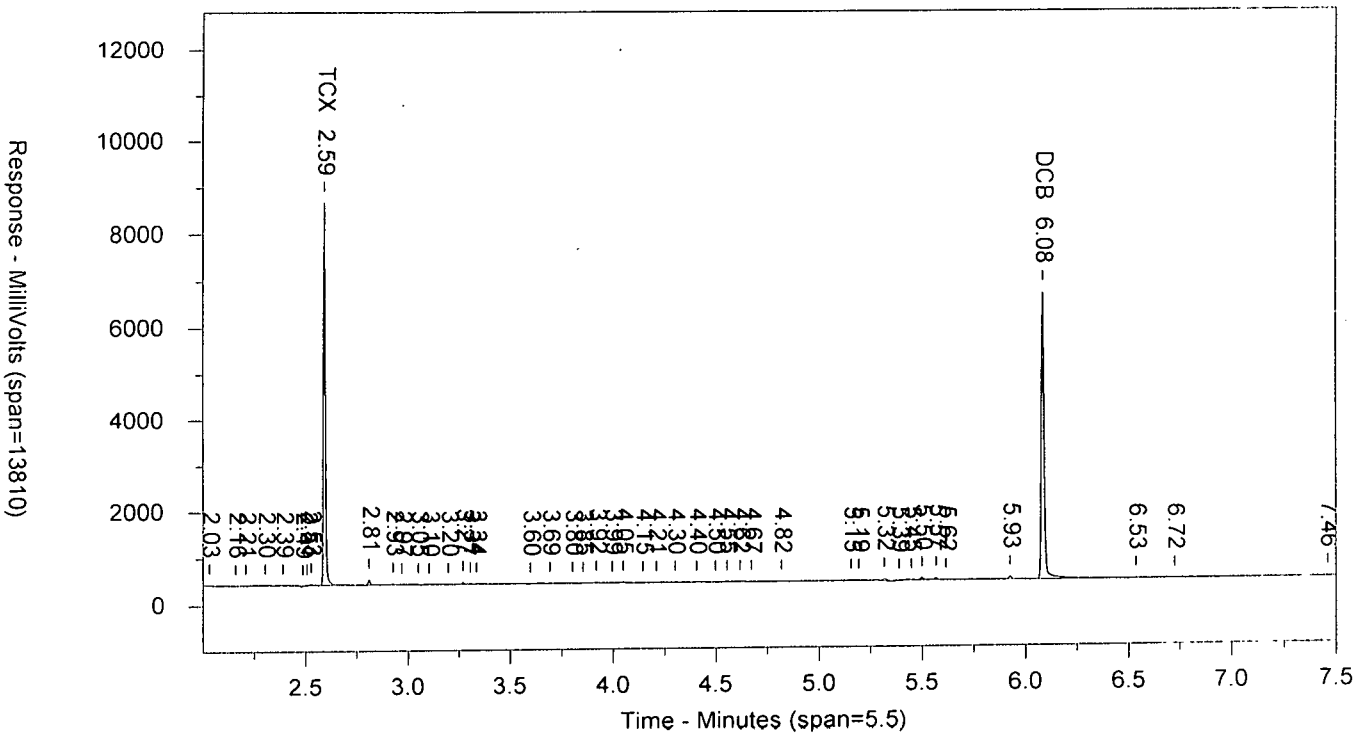

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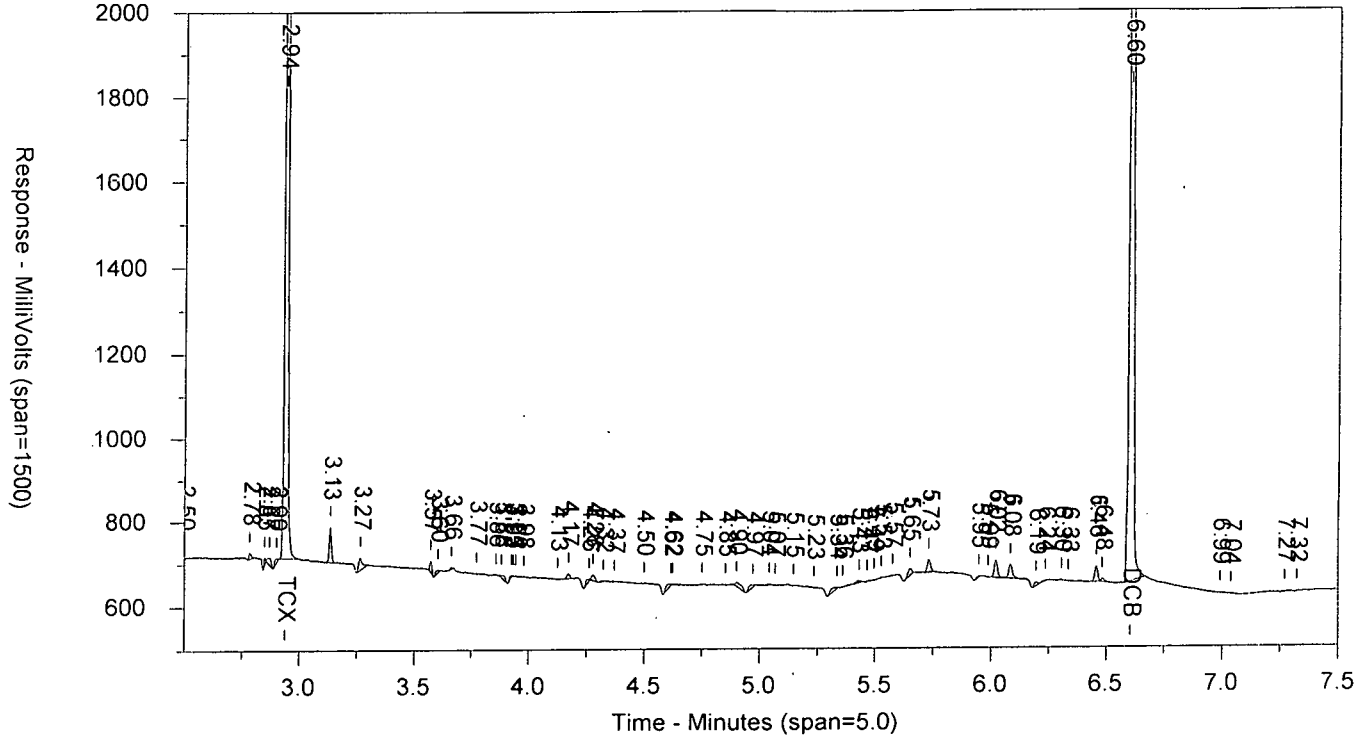

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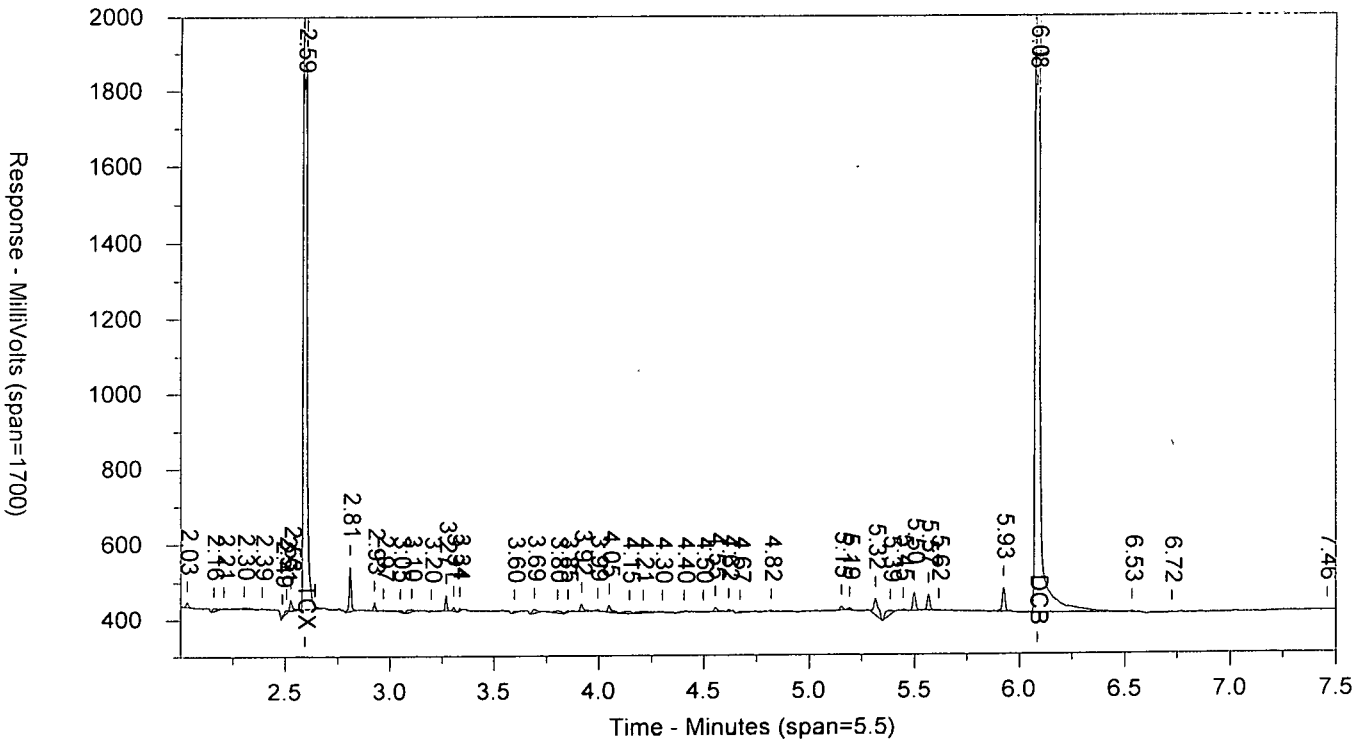

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/6/17 RI AC PBLK31278 BLK Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:47:32
Instrument	18274A
Result file	25PCBS17284001.046.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 102% (61 - 152) Conc: 31.24605

%SSR(DCB) 110% (48 - 164) Conc: 29.79585

Analysis Report (B)

Injected on	Oct 12, 2017 05:47:32
Instrument	18274B
Result file	25PCBS17284001B.046.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 30.31872

%SSR(DCB) 109% (48 - 164) Conc: 29.52588

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4714115	31.24605	Tetrachloro-m-xylene	2.58	2.61	2.64	8259936	30.31872
Decachlorobiphenyl	6.57	6.60	6.63	2872064	29.79585	Decachlorobiphenyl	6.07	6.10	6.13	8938546	29.52588

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	31.24605				3.01	
Tetrachloro-m-xylene-D1	A	31.24605					
Tetrachloro-m-xylene-D2	B	30.31872					
Decachlorobiphenyl	A	29.79585				0.91	
Decachlorobiphenyl-D1	A	29.79585					
Decachlorobiphenyl-D2	B	29.52588					

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. Tomaylo
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:39

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.24605
%SSR(DCB) : 110% (48-164) Conc.: 29.79585

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**32.13**	
+ 3.16	3.16	3.20	1206.361	0.457072			1
3.16	3.18	3.20	1634.999	0.619476			1
+ 3.38	3.39	3.42	648.5244	0.26565			2
3.38	3.41	3.42	2997.886	1.228001			2
3.71	3.71	3.75	3314.598	0.928505			4
+ 3.71	3.74	3.75	1152.523	0.322852			4
3.76	3.79	3.80	1830.629	0.593127			5
3.96	3.97	4.00	2347.94	1.130369			6
Height Summation:			**12126.052**				
Amount Avg CF:			**0.899896**	Linear:			
Aroclor-1221					**3**	**165.83**	
3.06	3.08	3.10	1395.202	1.238497			1
3.11	3.13	3.15	60002.05	60.500582			2
+ 3.16	3.16	3.20	1206.361	0.391414			3
3.16	3.18	3.20	1634.999	0.53049			3
Height Summation:			**63032.251**				
Amount Avg CF:			**20.756523**	Linear:			
Aroclor-1232					**5**	**49.36**	
+ 3.16	3.16	3.20	1206.361	0.446998			1
3.16	3.18	3.20	1634.999	0.605824			1
+ 3.38	3.39	3.42	648.5244	0.644738			2
3.38	3.41	3.42	2997.886	2.980384			2
3.70	3.71	3.74	3314.598	2.007168			4
3.76	3.79	3.80	1830.629	1.501804			5
3.95	3.97	3.99	2347.94	2.829421			6
Height Summation:			**12126.052**				
Amount Avg CF:			**1.98492**	Linear:			
Aroclor-1242					**5**	**34.87**	
+ 3.16	3.16	3.20	1206.361	0.330953			1
3.16	3.18	3.20	1634.999	0.448545			1
+ 3.37	3.39	3.41	648.5244	0.210096			2
3.37	3.41	3.41	2997.886	0.971194			2
3.70	3.71	3.74	3314.598	0.644509			4
3.76	3.79	3.80	1830.629	0.463925			5
3.95	3.97	3.99	2347.94	0.878677			6
Height Summation:			**12126.052**				
Amount Avg CF:			**0.68137**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.31872
%SSR(DCB) : 109% (48-164) Conc.: 29.52588

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**147.93**	
2.88	2.90	2.92	5445.409	1.138513			1
+ 3.21	3.23	3.25	2201.258	0.380084			2
3.21	3.24	3.25	43426.7	7.498336			2
3.40	3.40	3.44	4502.637	0.792057			3
+ 3.40	3.42	3.44	927.5845	0.163171			3
+ 3.40	3.43	3.44	2357.597	0.414724			3
3.47	3.49	3.51	2060.967	0.329706			4
+ 3.53	3.55	3.57	5023.958	0.966084			5
3.53	3.57	3.57	5564.712	1.070068			5
+ 3.64	3.64	3.68	621.3718	0.118322			6
3.64	3.65	3.68	2221.988	0.423113			6
Height Summation:			**63222.413**				
Amount Avg CF:			**1.875299**	Linear:			
Aroclor-1221					**3**	**166.07**	
2.77	2.77	2.81	3679.514	1.60014			1
2.83	2.83	2.87	126418.1	90.970041			2
+ 2.83	2.86	2.87	16981.35	12.219723			2
2.88	2.90	2.92	5445.409	0.969985			3
Height Summation:			**135543.023**				
Amount Avg CF:			**31.180055**	Linear:			
Aroclor-1232					**6**	**153.11**	
2.88	2.90	2.92	5445.409	1.068443			1
+ 3.21	3.23	3.25	2201.258	0.858865			2
3.21	3.24	3.25	43426.7	16.943791			2
3.40	3.40	3.44	4502.637	1.780137			3
+ 3.40	3.42	3.44	927.5845	0.366725			3
+ 3.40	3.43	3.44	2357.597	0.932086			3
3.47	3.49	3.51	2060.967	0.790889			4
+ 3.53	3.55	3.57	5023.958	2.830661			5
3.53	3.57	3.57	5564.712	3.13534			5
+ 3.63	3.64	3.67	621.3718	0.305688			6
3.63	3.65	3.67	2221.988	1.093123			6
Height Summation:			**63222.413**				
Amount Avg CF:			**4.135287**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**45.80**	
3.71	3.71	3.75	3314.598	1.701382			1
+ 3.71	3.74	3.75	1152.523	0.59159			1
3.76	3.79	3.80	1830.629	1.085767			2
3.83	3.85	3.87	2355.678	0.924132			3
3.98	4.00	4.02	799.1656	1.010459			4
4.04	4.07	4.08	618.0771	0.247559			5
4.22	4.22	4.26	3028.038	1.266118			6
Height Summation:			**11946.1857**				
Amount Avg CF:			**1.039236**	Linear:			
Aroclor-1254					**6**	**33.91**	
+ 4.55	4.55	4.59	497.824	0.163946			1
4.55	4.57	4.59	2378.318	0.783238			1
4.61	4.61	4.65	4430.78	0.745172			2
4.73	4.75	4.77	786.9043	0.411893			3
4.82	4.82	4.86	3153.635	0.776469			4
5.02	5.03	5.06	2719.967	0.919306			5
5.13	5.15	5.17	1491.225	0.359351			6
Height Summation:			**14960.8293**				
Amount Avg CF:			**0.665905**	Linear:			
Aroclor-1260					**4**	**73.25**	
4.73	4.75	4.77	786.9043	0.168439			1
4.93	4.97	4.97	5014.935	0.928558			2
5.13	5.15	5.17	1491.225	0.227716			3
5.80	5.82	5.84	4404.589	0.803034			6
Height Summation:			**11697.6533**				
Amount Avg CF:			**0.531937**	Linear:			
Aroclor-1262					**4**	**11.55**	
5.20	5.23	5.24	3959.028	0.726076			1
5.80	5.82	5.84	4404.589	0.621548			4
5.86	5.87	5.90	1870.371	0.558057			5
6.23	6.25	6.27	2808.99	0.692785			6
Height Summation:			**13042.978**				
Amount Avg CF:			**0.649616**	Linear:			
Aroclor-1268					**6**	**177.91**	
5.80	5.82	5.84	4404.589	0.360809			1
5.86	5.87	5.90	1870.371	0.170034			2
5.99	6.01	6.03	48536.83	4.743405			3
6.06	6.07	6.10	60060.93	21.079641			4
6.23	6.25	6.27	2808.99	0.632578			5
6.43	6.45	6.47	27150.67	0.798582			6
Height Summation:			**144832.38**				
Amount Avg CF:			**4.630841**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**146.95**	
2.88	2.90	2.92	5445.409	0.869499			1
+ 3.21	3.23	3.25	2201.258	0.291964			2
3.21	3.24	3.25	43426.7	5.759899			2
3.40	3.40	3.44	4502.637	0.541885			3
+ 3.40	3.42	3.44	927.5845	0.111633			3
+ 3.40	3.43	3.44	2357.597	0.283733			3
3.47	3.49	3.51	2060.967	0.250879			4
+ 3.53	3.55	3.57	5023.958	0.866497			5
3.53	3.57	3.57	5564.712	0.959762			5
+ 3.63	3.64	3.67	621.3718	0.08883			6
3.63	3.65	3.67	2221.988	0.31765			6
Height Summation:			**63222.413**				
Amount Avg CF:			**1.449929**	Linear:			
Aroclor-1248					**6**	**57.42**	
3.40	3.40	3.44	4502.637	1.565419			1
+ 3.40	3.42	3.44	927.5845	0.322491			1
+ 3.40	3.43	3.44	2357.597	0.819659			1
3.47	3.49	3.51	2060.967	0.595657			2
3.51	3.53	3.55	5896.037	1.039455			3
+ 3.64	3.64	3.68	621.3718	0.089454			4
3.64	3.65	3.68	2221.988	0.319881			4
+ 3.73	3.73	3.77	439.377	0.091234			5
+ 3.73	3.74	3.77	1232.122	0.255842			5
3.73	3.76	3.77	2335.129	0.484875			5
3.86	3.88	3.90	6065.479	0.716191			6
Height Summation:			**23082.237**				
Amount Avg CF:			**0.786913**	Linear:			
Aroclor-1254					**5**	**62.32**	
+ 4.22	4.22	4.26	1296.037	0.100515			1
4.22	4.23	4.26	5282.435	0.409681			1
+ 4.31	4.31	4.35	669.7212	0.107143			2
4.31	4.33	4.35	9551.786	1.528114			2
4.44	4.46	4.48	2063.269	0.4236			4
4.59	4.62	4.63	2901.587	0.523442			5
4.67	4.70	4.71	8815.189	1.047701			6
Height Summation:			**28614.266**				
Amount Avg CF:			**0.786508**	Linear:			
Aroclor-1260					**4**	**71.46**	
+ 4.31	4.31	4.35	669.7212	0.061255			1
4.31	4.33	4.35	9551.786	0.873646			1
4.44	4.46	4.48	2063.269	0.175928			2
+ 4.55	4.56	4.59	2930.601	0.30097			3
4.55	4.58	4.59	3089.708	0.31731			3
4.89	4.91	4.93	2619.535	0.34647			4
Height Summation:			**17324.298**				
Amount Avg CF:			**0.428339**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/6/17 RI AC PBLK31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274A
Result file : 25PCBS17284001.046.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:47:32
Instrument : CP25--18274B
Result file : 25PCBS17284001B.046.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**58.56**	
4.70	4.70	4.74	8815.189	0.752305			1
+ 4.70	4.74	4.74	1497.237	0.127777			1
4.89	4.91	4.93	2619.535	0.23639			2
+ 5.30	5.30	5.34	1936.833	0.211186			4
5.30	5.32	5.34	2046.418	0.223135			4
5.72	5.73	5.76	5380.58	0.508444			6
Height Summation:			**18861.722**				
Amount Avg CF:			**0.430068**	Linear:			
Aroclor-1268					**5**	**165.63**	
5.30	5.32	5.34	2046.418	0.07492			1
5.50	5.52	5.54	104967.6	4.153318			3
5.57	5.58	5.61	136093.8	19.730497			4
5.72	5.73	5.76	5380.58	0.484704			5
5.92	5.94	5.96	81663.18	0.80949			6
Height Summation:			**330151.578**				
Amount Avg CF:			**5.050586**	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		** 70.29	4	40	
Aroclor-1221			51	15.3		** 40.14	3	5	
Aroclor-1232			51	12.3		** 70.27	4	10	
Aroclor-1242			51	12.3		** 72.12	4	30	
Aroclor-1248			51	9.9		27.63	4	40	
Aroclor-1254			51	13.2		16.61	4	40	
Aroclor-1260			51	11.7		21.58	4	40	
Aroclor-1262			51	9.9		** 40.67	4	40	
Aroclor-1268			51	9.9		8.67	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 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: 25PCBS17284001.046.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		9387	9954
2.088		4422	5488
2.116		1673	892
2.137		202006	150891
2.189		1719	801
2.203		8015	4529
2.234		7442	6852
2.291		946	559
2.329		8828	6795
2.369		2414	1895
2.396		254921	168380
2.442		4942	3313
2.49		6858	4515
2.508		11249	6245
2.545		975	739
2.565		753	346
2.594		4051	4192
2.652		1759	1949
2.684		569	257
2.705		3016	1988
2.739		12806	13264
2.774		602	265
2.794		5946	3432
2.813		1453	1578
2.841		561	495
2.874		3208	1834
2.896		3303	2315
2.93	TCX	4714115	3207232
2.991		1847	1074
3.012		1106	799
3.078		1395	1829
3.126		60002	42271
3.159		1206	694
3.178		1635	1028
3.201		1636	1504
3.229		1783	1217
3.257		14741	13687
3.3		510	242
3.316		417	125
3.328		2130	2538
3.363		1429	1633
3.386		649	368
3.412		2998	2559
3.437		2173	1624
3.468		14457	9169
3.486		5399	2896
3.537		1672	1207
3.563		978	971
3.589		25444	23095
3.631		2044	1760
3.654		25882	17971
3.677		1283	695
3.713		3315	3033
3.744		1153	1058

RT A	Compound A	Height A	Area A
3.788		1831	3215
3.851		2356	1713
3.877		2427	1630
3.895		1186	934
3.928		3517	3242
3.967		2348	2220
4		799	550
4.028		1968	1590
4.067		618	470
4.09		356	240
4.146		389	346
4.164		4918	4600
4.222		3028	2516
4.268		7226	8980
4.331		666	440
4.374		1820	2330
4.406		1025	1159
4.467		450	558
4.511		1814	2345
4.548		498	345
4.567		2378	1811
4.607		4431	7770
4.673		653	398
4.706		1113	951
4.751		787	675
4.819		3154	4278
4.87		10700	12029
4.965		5015	7747
4.999		719	302
5.028		2720	2616
5.059		1131	770
5.08		640	288
5.112		15395	15959
5.153		1491	1544
5.195		543	383
5.226		3959	4161
5.265		459	330
5.321		4529	5835
5.357		734	426
5.403		1588	3511
5.47		2061	2643
5.515		14455	14597
5.565		743	1159
5.64		34606	41479
5.725		662	624
5.819		4405	7968
5.866		1870	3162
5.906		1456	1977
5.958		4550	5656
6.011		48537	49572
6.075		60061	69848
6.134		427	631
6.146		2736	4627
6.202		1147	4164
6.215		587	236
6.245		2809	3810
6.281		1105	993
6.305		1437	1530
6.4		3635	7500
6.428		455	413
6.448		27151	24461
6.547		1151	5377
6.557		1251	395
6.596	DCB	2872065	2997616
6.642		1118	3906
6.775		1473	3846

RT A	Compound A	Height A	Area A
6.79		628	308
6.898		16942	64421
6.982		1033	653

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 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: 25PCBS17284001B.046.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.036		4121	6389
2.097		5782	2583
2.115		445709	279850
2.185		4733	2949
2.2		28376	16920
2.238		2932	3131
2.265		6439	4165
2.309		2131	1823
2.354		2939	2518
2.396		16878	12215
2.434		26801	15648
2.465		6517	11948
2.52		4860	6327
2.571		4150	6634
2.59		7395	3766
2.615	TCX	8259936	4890439
2.692		4775	2093
2.706		7355	6907
2.734		15412	10408
2.765		3680	3177
2.812		8208	7520
2.832		126418	76543
2.859		16981	16809
2.897		5445	9407
2.92		16335	13916
2.948		34889	32218
2.99		15521	24539
3.039		5596	4600
3.055		4105	2116
3.082		10079	13184
3.116		20617	18125
3.147		43495	35388
3.168		5036	3447
3.184		20571	15187
3.228		2201	4507
3.243		43427	21640
3.257		4811	1960
3.281		9211	11368
3.306		1101	516
3.32		50917	29674
3.351		8509	6547
3.379		9395	7073
3.404		4503	2767
3.417		928	185
3.431		2358	1597
3.46		4100	2759
3.489		2061	2885
3.527		5896	4426
3.549		5024	2343
3.569		5565	4597
3.597		1250	700
3.624		3078	1685
3.64		621	189
3.652		2222	1322

RT B	Compound B	Height B	Area B
3.677		5591	4299
3.701		4341	3830
3.727		439	133
3.737		1232	446
3.759		2335	1317
3.771		886	414
3.787		1619	762
3.827		6162	4713
3.857		2715	1986
3.878		6065	4104
3.901		2192	1197
3.942		13571	10418
3.974		3319	2336
4.008		1622	1329
4.048		1035	552
4.074		12570	11220
4.117		4379	3411
4.149		10485	12802
4.219		1296	3129
4.234		5282	5281
4.311		670	456
4.333		9552	8746
4.366		3021	7662
4.418		1817	955
4.436		22285	16964
4.463		2063	1131
4.499		1084	1005
4.507		1958	2806
4.563		2931	2715
4.578		3090	1970
4.616		2902	1873
4.639		4461	2584
4.663		32360	25077
4.703		8815	8349
4.739		1497	998
4.759		1648	1351
4.783		1419	1032
4.835		3396	6592
4.912		2620	1991
4.973		3803	2548
5.018		2009	1248
5.034		1345	604
5.054		26271	20910
5.136		1765	4804
5.176		54756	45255
5.231		2625	4566
5.262		1356	623
5.298		1937	2426
5.318		2046	1738
5.387		3112	16119
5.435		2740	2940
5.448		1195	494
5.516		104968	96253
5.585		136094	127793
5.633		25876	20249
5.673		1887	2247
5.735		5381	13447
5.799		899	360
5.881		765	9678
5.938		81663	76939
5.968		3339	2255
5.988		1611	721
6.017		2248	1672
6.043		1060	232
6.096	DCB	8938546	7569104
6.155		26846	50511

RT B	Compound B	Height B	Area B
6.255		1753	4535
6.289		975	348
6.323		870	1281
6.394		3663	8901
6.499		12572	43048
6.574		2227	1437
6.615		1340	796
6.657		1768	1534
6.699		3888	5831
6.76		11309	26953
6.853		3802	8565
6.896		1592	717
6.922		2288	1862
6.961		661	736

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 808

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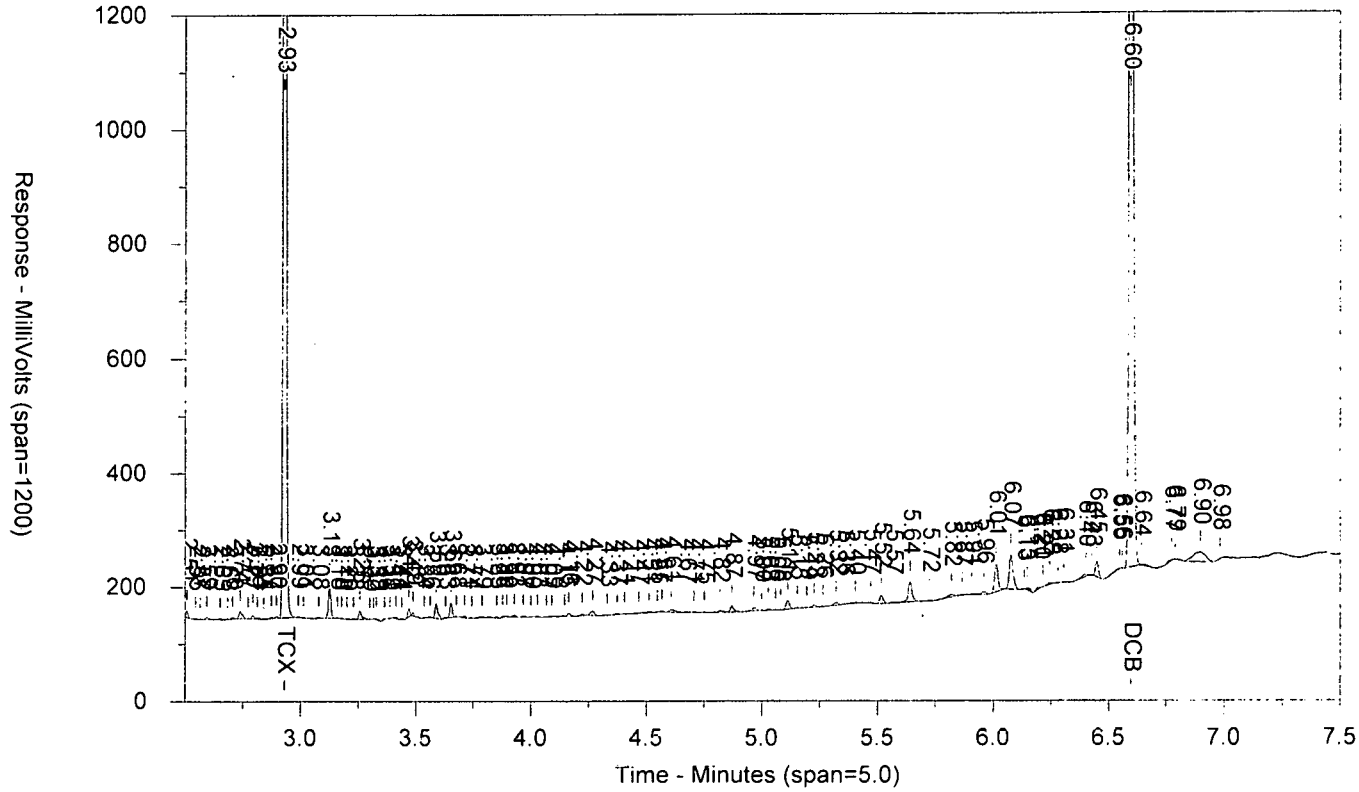

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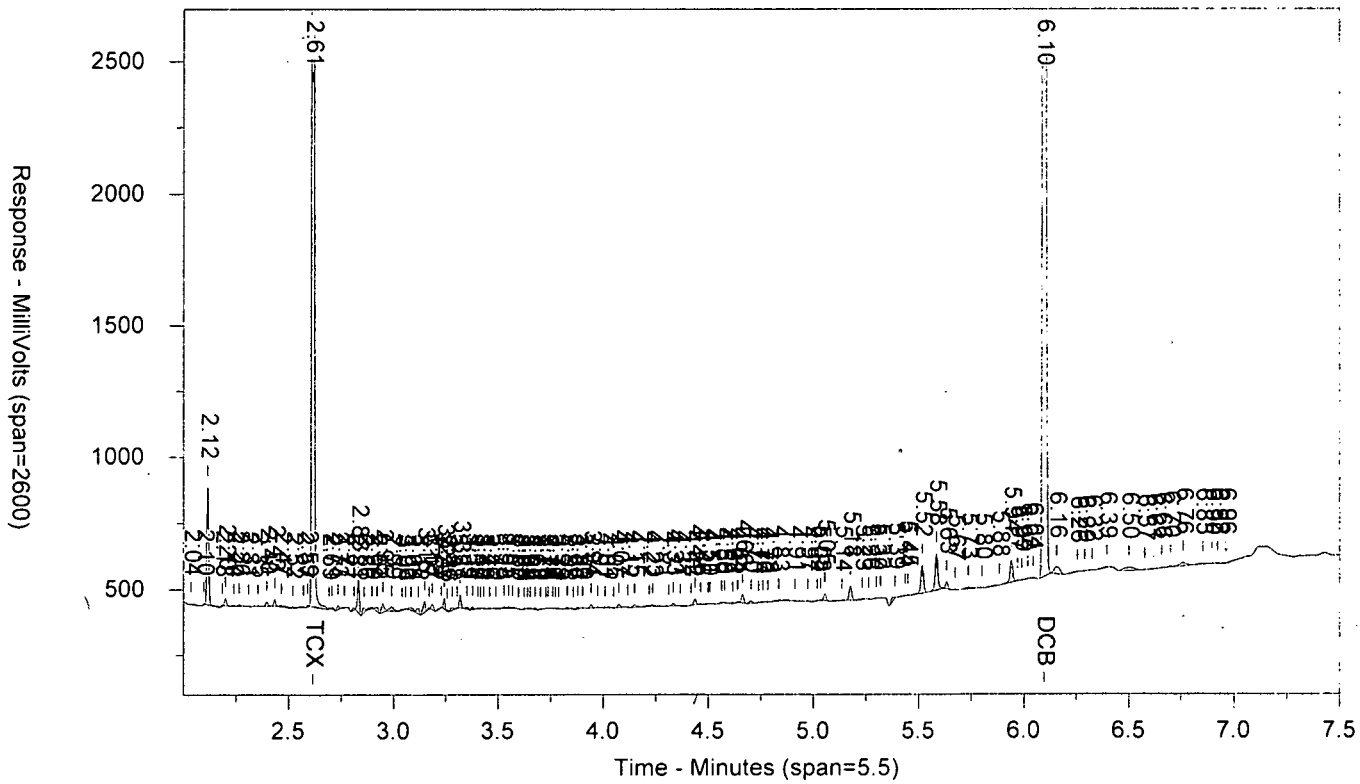

LANCASTER LABORATORIES

Sample Number: BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:47:32 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
2.93	4714115	31.246	TCX	2.615	8259936	30.319	TCX
6.596	2872065	29.796	DCB	6.096	8938546	29.526	DCB

Files:
Area File: 25PCBS17284001.046.RAW
Area File: 25PCBS17284001B.046.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:25 PM
File Reported On: 10/12/2017 at 4:30:12 PM

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 80

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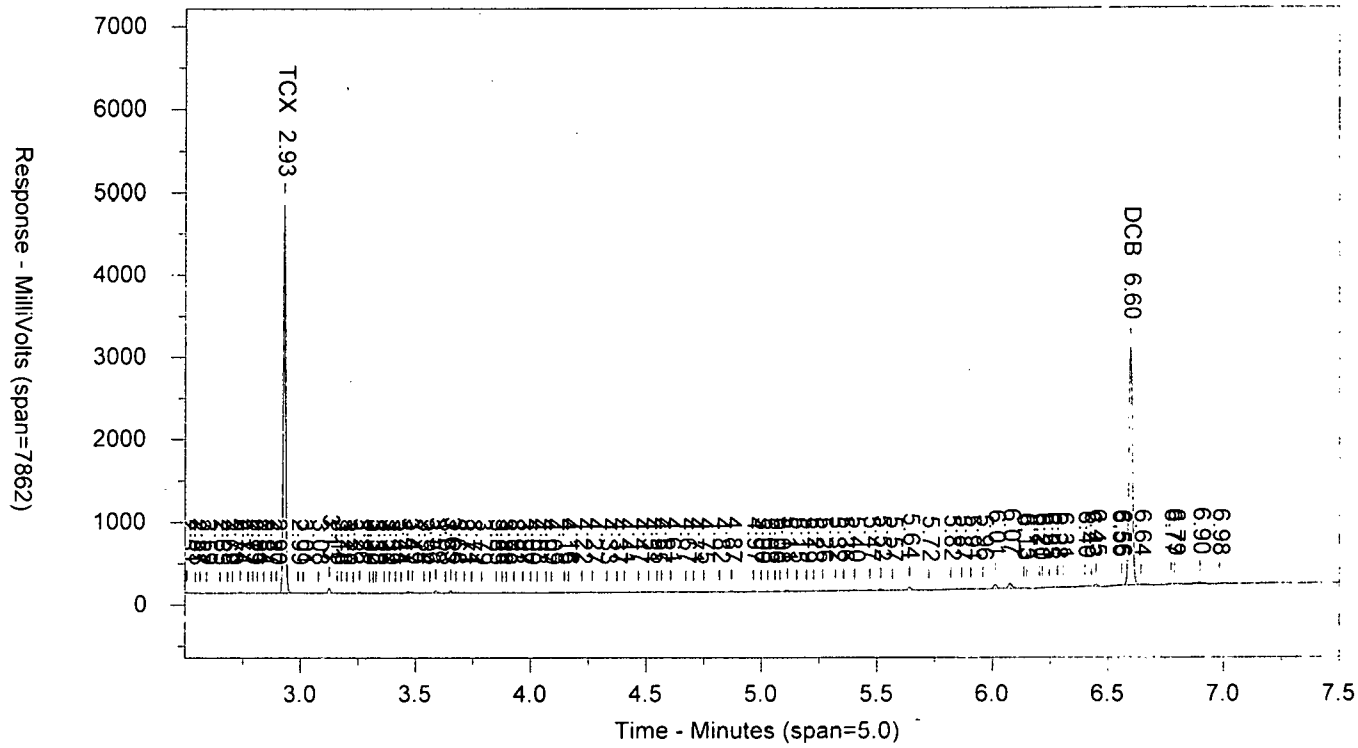

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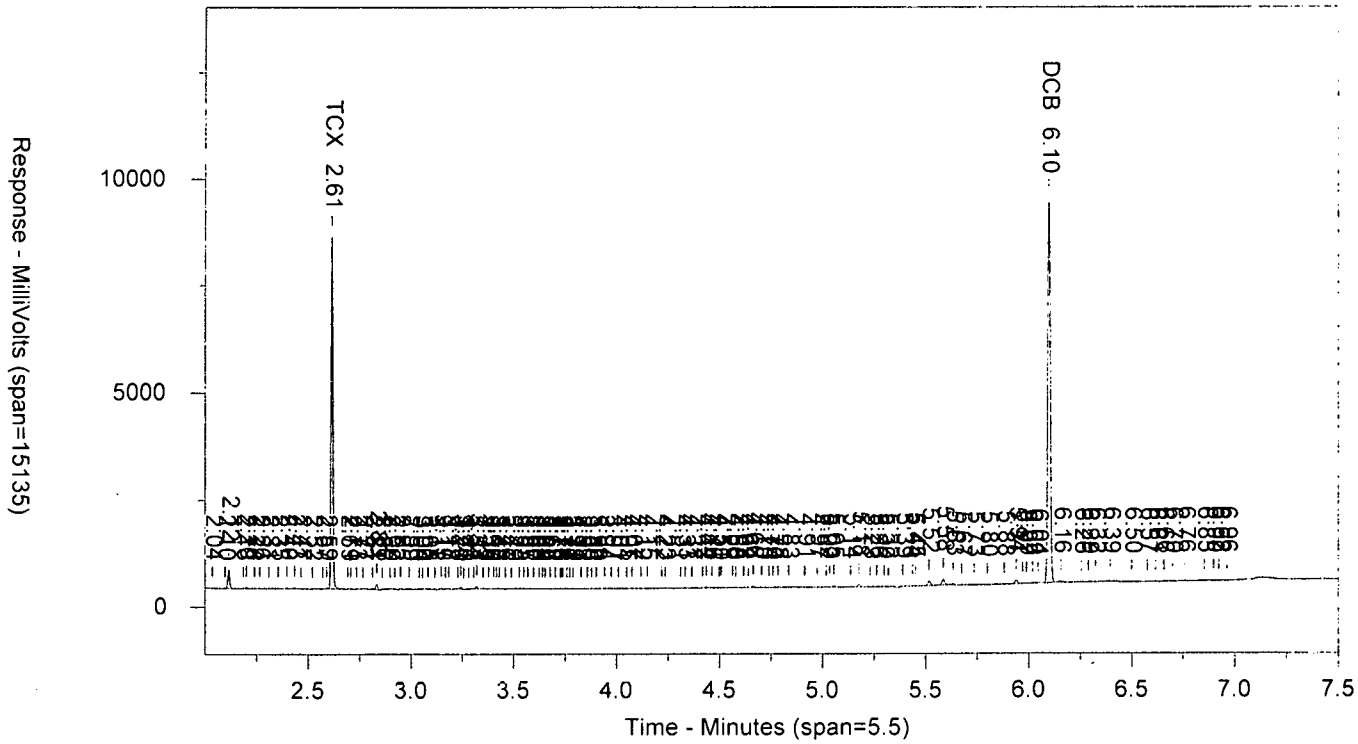

BLANKA 10/6/17 RI ACABPBLK31278 BLK 172780031A 10225 SW-846 808

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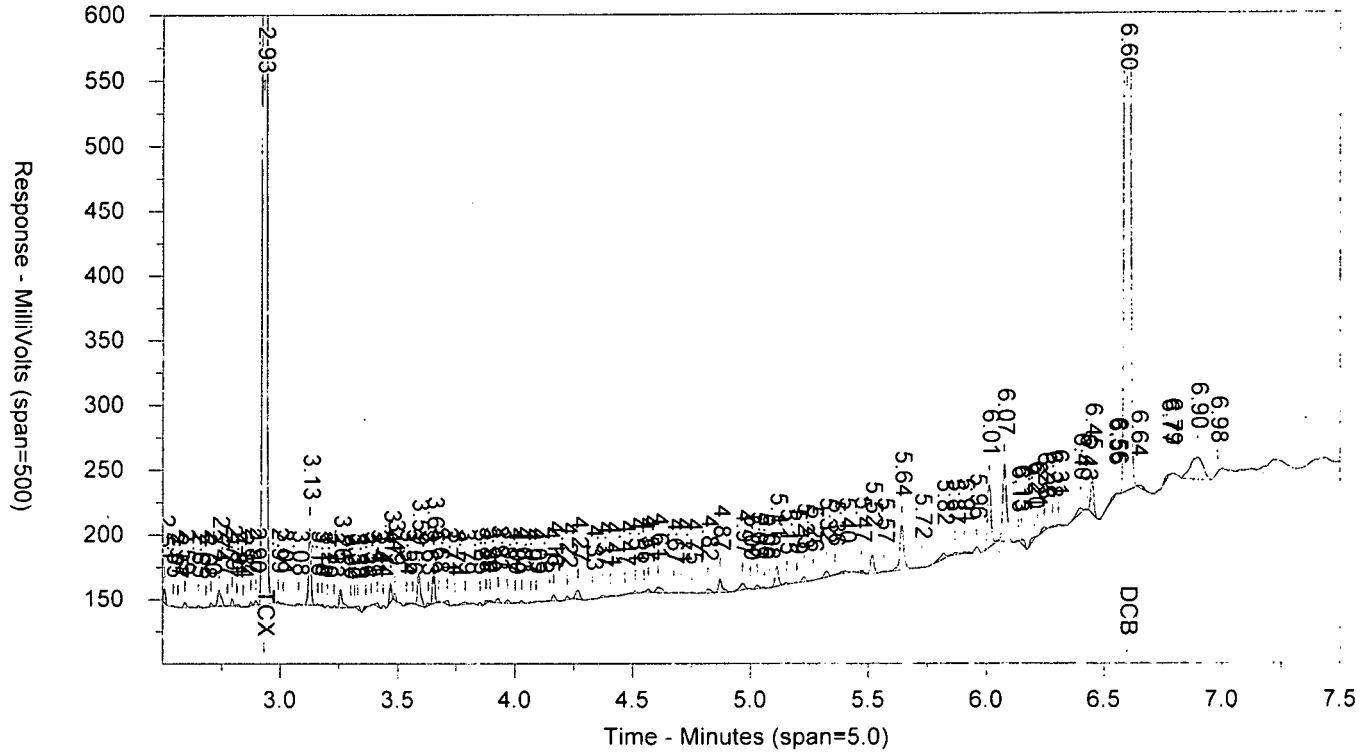

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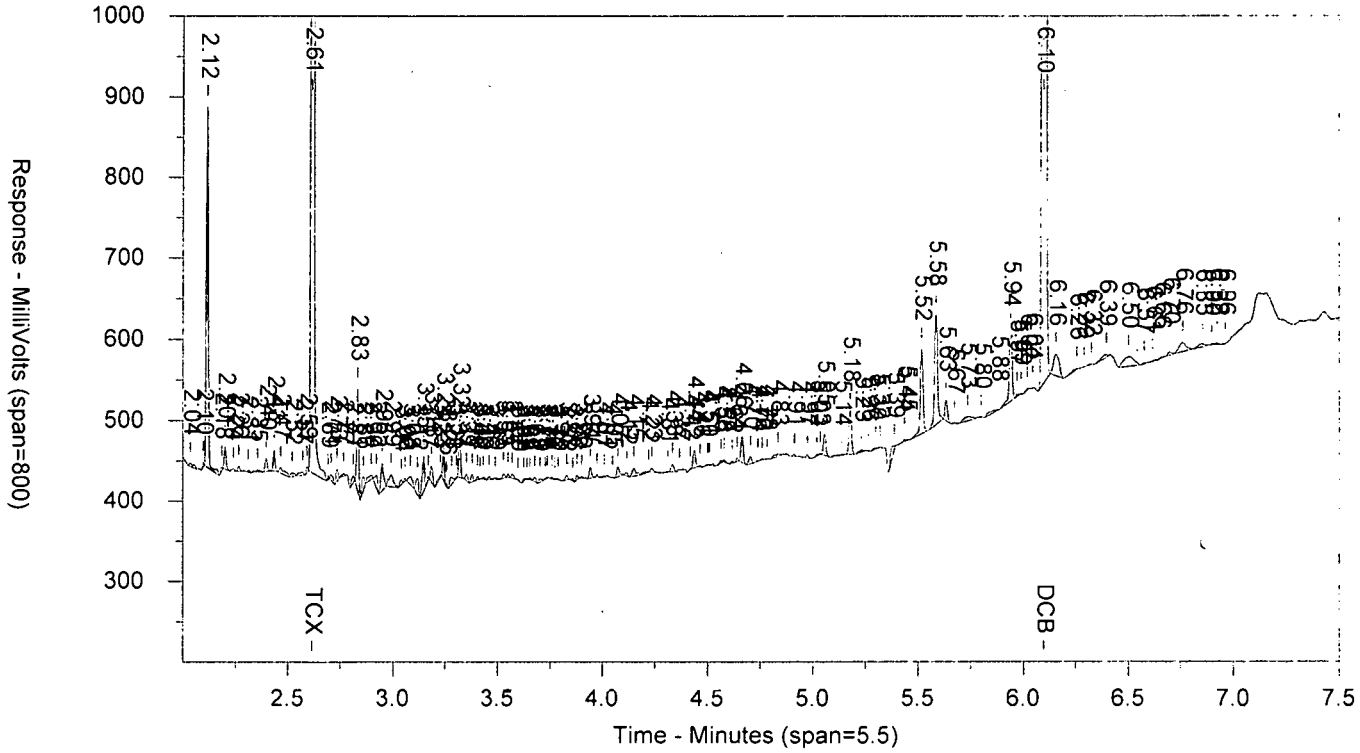

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/6/17 RI ACF LCS31278 LCS Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274A
Result file	25PCBS17284001.047.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 99% (61 - 152) Conc: 30.3259

%SSR(DCB) 104% (48 - 164) Conc: 28.16667

Analysis Report (B)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274B
Result file	25PCBS17284001B.047.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 98% (61 - 152) Conc: 29.80293

%SSR(DCB) 104% (48 - 164) Conc: 28.17469

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4575292	30.3259
Decachlorobiphenyl	6.57	6.60	6.63	2715025	28.16667

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	8119414	29.80293
Decachlorobiphenyl	6.07	6.10	6.13	8529491	28.17469

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	30.3259				1.74	
Tetrachloro-m-xylene-D1	A	30.3259					
Tetrachloro-m-xylene-D2	B	29.80293					
Decachlorobiphenyl	B	28.17469				0.03	
Decachlorobiphenyl-D1	A	28.16667					
Decachlorobiphenyl-D2	B	28.17469					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.38**	
3.16	3.18	3.20	1137977	431.161905			1
3.38	3.39	3.42	1066069	436.685796			2
3.49	3.51	3.53	1323774	423.290528			3
3.71	3.72	3.75	1661064	465.307069			4
3.76	3.78	3.80	1445158	468.233863			5
3.96	3.97	4.00	1038314	499.875816			6
Height summation:			**7672356**				
Concentration		CF:	**454.092496**	L:			
Aroclor-1260						**5.86**	
4.73	4.75	4.77	2249682	481.551399			1
4.93	4.95	4.97	2852046	528.08071			2
5.13	5.15	5.17	3641542	556.079024			3
5.36	5.38	5.40	1674755	480.963321			4
5.60	5.62	5.64	4575570	526.522659			5
5.80	5.82	5.84	2732005	498.092523			6
Height summation:			**17725600**				
Concentration		CF:	**511.881606**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**6.67**	
2.88	2.90	2.92	2014894	421.269211			1
3.21	3.23	3.25	2478874	428.018497			2
3.40	3.42	3.44	2750416	483.824659			3
3.47	3.49	3.51	3018754	482.928969			4
3.53	3.55	3.57	2366497	455.066305			5
3.64	3.65	3.68	2589049	493.008991			6
Height summation:			**15218484**				
Concentration		CF:	**460.686105**	L:			
Aroclor-1260						**5.44**	
4.31	4.33	4.35	5559589	508.503138			1
4.44	4.46	4.48	6782574	578.326434			2
4.55	4.56	4.59	5320796	546.441113			3
4.89	4.91	4.93	3945616	521.862682			4
5.09	5.10	5.13	9831475	574.199416			5
5.34	5.36	5.38	6585870	520.870947			6
Height summation:			**38025920**				
Concentration		CF:	**541.700622**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:40

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/6/17 RI ACF LCS31278 LCS Sample ID: AB **Batchnumber: 172780031A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274A
Result file	25PCBS17284001.047.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 05:58:49
Instrument	18274B
Result file	25PCBS17284001B.047.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	460.686105	51	9.9		1.44	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	541.700622	51	11.7		5.66	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1002.386727	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:37:40

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.3259
%SSR(DCB) : 104% (48-164) Conc.: 28.16667

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.38	
3.16	3.18	3.20	1137977	431.161905			1
3.38	3.39	3.42	1066069	436.685796			2
+ 3.38	3.41	3.42	479388.3	196.36821			2
3.49	3.51	3.53	1323774	423.290528			3
3.71	3.72	3.75	1661064	465.307069			4
3.76	3.78	3.80	1445158	468.233863			5
3.96	3.97	4.00	1038314	499.875816			6
Height Summation:			7672356				
Amount Avg CF:			454.092496	Linear:			
Aroclor-1221					3	33.68	
3.06	3.08	3.10	214118.9	190.069726			1
E 3.11	3.13	3.15	249493.5	251.566436			2
E 3.16	3.18	3.20	1137977	369.226517			3
Height Summation:			1601589.4				
Amount Avg CF:			270.28756	Linear:			
Aroclor-1232					6	29.99	
E 3.16	3.18	3.20	1137977	421.659807			1
E 3.38	3.39	3.42	1066069	1059.845183			2
E+ 3.38	3.41	3.42	479388.3	476.589584			2
E 3.49	3.51	3.53	1323774	974.556354			3
E 3.70	3.72	3.74	1661064	1005.863664			4
E 3.76	3.78	3.80	1445158	1185.573056			5
E 3.95	3.97	3.99	1038314	1251.236234			6
Height Summation:			7672356				
Amount Avg CF:			983.122383	Linear:			
Aroclor-1242					6	8.77	
E 3.16	3.18	3.20	1137977	312.192345			1
E 3.37	3.39	3.41	1066069	345.363248			2
+ 3.37	3.41	3.41	479388.3	155.302424			2
E 3.49	3.51	3.53	1323774	319.735183			3
E 3.70	3.72	3.74	1661064	322.986371			4
E 3.76	3.78	3.80	1445158	366.237367			5
E 3.95	3.97	3.99	1038314	388.571664			6
Height Summation:			7672356				
Amount Avg CF:			342.514363	Linear:			
Aroclor-1248					6	39.75	
3.71	3.72	3.75	1661064	852.623406			1
3.76	3.78	3.80	1445158	857.139524			2
3.83	3.85	3.87	902883.2	354.200956			3
3.98	4.00	4.02	328433.3	415.268781			4
4.04	4.06	4.08	1091735	437.273661			5
4.22	4.22	4.26	1189353	497.305825			6
Height Summation:			6618626.5				
Amount Avg CF:			568.968692	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 98% (61-152) Conc.: 29.80293
%SSR(DCB) : 104% (48-164) Conc.: 28.17469

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	6.67	
2.88	2.90	2.92	2014894	421.269211			1
3.21	3.23	3.25	2478874	428.018497			2
+ 3.40	3.40	3.44	127063.9	22.351764			3
3.40	3.42	3.44	2750416	483.824659			3
3.47	3.49	3.51	3018754	482.928969			4
3.53	3.55	3.57	2366497	455.066305			5
+ 3.53	3.57	3.57	690025.1	132.688599			5
3.64	3.65	3.68	2589049	493.008991			6
Height Summation:			15218484				
Amount Avg CF:			460.686105	Linear:			
Aroclor-1221					3	30.80	
2.77	2.79	2.81	443769.8	192.985713			1
+ 2.83	2.83	2.87	64675.16	46.540028			2
E 2.83	2.85	2.87	362239.8	260.666545			2
E 2.88	2.90	2.92	2014894	358.91078			3
Height Summation:			2820903.6				
Amount Avg CF:			270.854346	Linear:			
Aroclor-1232					6	32.81	
E 2.88	2.90	2.92	2014894	395.34196			1
E 3.21	3.23	3.25	2478874	967.182013			2
+ 3.40	3.40	3.44	127063.9	50.235258			3
E 3.40	3.42	3.44	2750416	1087.388769			3
E 3.47	3.49	3.51	3018754	1158.436113			4
E 3.53	3.55	3.57	2366497	1333.361322			5
E+ 3.53	3.57	3.57	690025.1	388.782567			5
E 3.63	3.65	3.67	2589049	1273.70145			6
Height Summation:			15218484				
Amount Avg CF:			1035.901938	Linear:			
Aroclor-1242					6	9.42	
E 2.88	2.90	2.92	2014894	321.729286			1
E 3.21	3.23	3.25	2478874	328.785369			2
+ 3.40	3.40	3.44	127063.9	15.291926			3
E 3.40	3.42	3.44	2750416	331.007923			3
E 3.47	3.49	3.51	3018754	367.468533			4
E 3.53	3.55	3.57	2366497	408.156764			5
+ 3.53	3.57	3.57	690025.1	119.010678			5
E 3.63	3.65	3.67	2589049	370.123758			6
Height Summation:			15218484				
Amount Avg CF:			354.545272	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**99.32**	
+ 4.55	4.56	4.59	155392.8	51.174628			1
4.55	4.58	4.59	222528.9	73.284178			1
4.61	4.62	4.65	710295.7	119.458096			2
E 4.73	4.75	4.77	2249682	1177.562784			3
4.82	4.83	4.86	423936.7	104.379083			4
5.02	5.04	5.06	1351024	456.625021			5
5.13	5.15	5.17	3641542	877.527819			6
Height Summation:			**8599009.3**				
Amount Avg CF:			**468.139497**	Linear:			
Aroclor-1260					**6**	**5.86**	
4.73	4.75	4.77	2249682	481.551399			1
4.93	4.95	4.97	2852046	528.08071			2
5.13	5.15	5.17	3641542	556.079024			3
5.36	5.38	5.40	1674755	480.963321			4
5.60	5.62	5.64	4575570	526.522659			5
5.80	5.82	5.84	2732005	498.092523			6
Height Summation:			**17725600**				
Amount Avg CF:			**511.881606**	Linear:			
Aroclor-1262					**6**	**29.12**	
E 5.20	5.22	5.24	1528110	280.25143			1
E 5.36	5.38	5.40	1674755	352.387144			2
E 5.60	5.62	5.64	4575570	425.417236			3
E 5.80	5.82	5.84	2732005	385.523339			4
5.86	5.88	5.90	571715.4	170.580927			5
E 6.23	6.25	6.27	1121822	276.676346			6
Height Summation:			**12203977.4**				
Amount Avg CF:			**315.139404**	Linear:			
Aroclor-1268					**6**	**91.36**	
E 5.80	5.82	5.84	2732005	223.796481			1
5.86	5.88	5.90	571715.4	51.97408			2
5.99	6.01	6.03	98834.41	9.658884			3
6.06	6.09	6.10	502590.7	176.394727			4
E 6.23	6.25	6.27	1121822	252.631757			5
6.43	6.45	6.47	305930.2	8.99832			6
Height Summation:			**5332897.71**				
Amount Avg CF:			**120.575708**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**49.55**	
+ 3.40	3.40	3.44	127063.9	44.175952			1
E 3.40	3.42	3.44	2750416	956.229464			1
3.47	3.49	3.51	3018754	872.474307			2
3.51	3.53	3.55	2019801	356.085355			3
3.64	3.65	3.68	2589049	372.723696			4
+ 3.73	3.73	3.77	650511.6	135.074601			5
3.73	3.74	3.77	2160073	448.525436			5
3.86	3.88	3.90	3013682	355.845084			6
Height Summation:			**15551775**				
Amount Avg CF:			**560.31389**	Linear:			
Aroclor-1254					**6**	**96.40**	
+ 4.22	4.22	4.26	625997.2	48.549453			1
+ 4.22	4.24	4.26	574159.2	44.529137			1
4.22	4.25	4.26	1571875	121.90737			1
4.31	4.33	4.35	5559589	889.43418			2
4.38	4.39	4.42	533440.8	69.93385			3
E 4.44	4.46	4.48	6782574	1392.497811			4
4.59	4.62	4.63	672098.4	121.245559			5
4.67	4.69	4.71	6648172	790.147081			6
Height Summation:			**21767749.2**				
Amount Avg CF:			**564.194308**	Linear:			
Aroclor-1260					**6**	**5.44**	
4.31	4.33	4.35	5559589	508.503138			1
4.44	4.46	4.48	6782574	578.326434			2
4.55	4.56	4.59	5320796	546.441113			3
4.89	4.91	4.93	3945616	521.862682			4
5.09	5.10	5.13	9831475	574.199416			5
5.34	5.36	5.38	6585870	520.870947			6
Height Summation:			**38025920**				
Amount Avg CF:			**541.700622**	Linear:			
Aroclor-1262					**6**	**28.91**	
E 4.70	4.72	4.74	2957965	252.438438			1
E 4.89	4.91	4.93	3945616	356.056757			2
E 5.08	5.10	5.12	9831475	425.355734			3
5.30	5.32	5.34	1824085	198.892293			4
E 5.34	5.36	5.38	6585870	419.431875			5
E 5.72	5.74	5.76	2943227	278.123659			6
Height Summation:			**28088238**				
Amount Avg CF:			**321.716459**	Linear:			
Aroclor-1268					**6**	**113.72**	
5.30	5.32	5.34	1824085	66.78063			1
E 5.35	5.36	5.39	6585870	237.505018			2
5.50	5.52	5.54	229045.2	9.062774			3
5.57	5.58	5.61	214125.8	31.043357			4
E 5.72	5.74	5.76	2943227	265.137641			5
5.92	5.94	5.96	861393.4	8.538603			6
Height Summation:			**12657746.4**				
Amount Avg CF:			**103.011337**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/6/17 RI ACF LCS31278 ID: AB **Batchnumber: 172780031A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274A
Result file : 25PCBS17284001.047.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 05:58:49
Instrument : CP25--18274B
Result file : 25PCBS17284001B.047.RAW
Calibration file : 25PCBS1728401B.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			51	9.9		1.44	4	40	
Aroclor-1221			51	15.3	E	0.21	3	5	
Aroclor-1232			51	12.3	E	5.23	4	10	
Aroclor-1242			51	12.3	E	3.45	4	30	
Aroclor-1248			51	9.9		1.53	4	40	
Aroclor-1254			51	13.2	E	18.61	4	40	
Aroclor-1260			51	11.7		5.66	4	40	
Aroclor-1262			51	9.9	E	2.07	4	40	
Aroclor-1268			51	9.9	E	15.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 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: 25PCBS17284001.047.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		5715	5944
2.085		2716	4441
2.137		175917	127300
2.188		894	309
2.203		3213	1761
2.233		7886	6444
2.329		5688	5101
2.372		1159	1220
2.395		80753	53013
2.441		6224	4109
2.49		3189	1905
2.507		11906	6998
2.568		16015	11236
2.594		2292	1324
2.653		1123	1145
2.705		2482	1628
2.738		10046	10091
2.793		2067	2127
2.842		4072	3009
2.874		1880	1071
2.895		1931	1317
2.93	TCX	4575292	3175522
3.077		214119	190271
3.132		249494	205896
3.18		1137977	814180
3.231		977	509
3.257		3358	1628
3.273		129348	92264
3.315		3771	3521
3.395		1066069	646040
3.412		479388	262859
3.448		124145	71477
3.464		16824	6467
3.475		62234	31514
3.509		1323774	1046986
3.546		5442	2777
3.561		7023	3215
3.585		86241	64167
3.619		267727	155315
3.633		125069	64924
3.677		553576	347806
3.688		1554470	783586
3.724		1661064	1276227
3.781		1445158	1110488
3.823		101741	74911
3.851		902883	664225
3.878		580283	522099
3.899		104640	54901
3.973		1038315	742081
3.997		328433	218417
4.028		391717	269703
4.062		1091735	1073093
4.101		321563	268145
4.148		53655	47004

RT A	Compound A	Height A	Area A
4.187		68668	47084
4.222		1189353	1255556
4.263		278722	208721
4.334		163803	142875
4.376		1092802	1080479
4.409		55029	39201
4.471		21458	17982
4.511		261065	255127
4.563		155393	106345
4.58		222529	151341
4.624		710296	654373
4.673		957614	1044675
4.71		223750	158943
4.75		2249683	2157137
4.793		51084	43158
4.834		423937	436463
4.869		47885	33837
4.895		398556	374524
4.948		2852046	3524241
4.999		488085	448806
5.037		1351024	1442014
5.08		22884	12250
5.117		251284	309771
5.151		3641543	3638206
5.192		52080	23722
5.219		1528110	1404506
5.262		965591	947143
5.355		445714	355201
5.381		1674755	1461265
5.437		836440	788754
5.475		507016	510521
5.517		108870	113758
5.559		570157	685673
5.616		4575570	4834115
5.708		4771	6338
5.764		1488	1443
5.82		2732005	2593249
5.851		145543	96083
5.876		571715	636191
5.919		1752	1295
5.963		1776	2052
6.012		98834	103856
6.09		502591	695667
6.153		1215	828
6.2		1334	2022
6.246		1121822	1105756
6.29		76133	73374
6.343		624	531
6.362		612	223
6.4		426	693
6.448		305930	313179
6.518		2201	3259
6.597	DCB	2715025	2783332
6.665		529	449
6.708		556	468
6.77		1388	3046
6.802		724	478
6.879		11044	39656
6.974		750	362
6.995		731	213

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 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: 25PCBS17284001B.047.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.053		3011	2173
2.098		2868	1307
2.115		156400	105330
2.185		2346	1465
2.2		28201	17949
2.232		3312	1979
2.264		6316	3726
2.3		30634	22415
2.354		2422	2315
2.395		6843	5607
2.434		18698	11632
2.464		4030	7134
2.552		1623	4072
2.571		6901	3843
2.591		5436	2805
2.615	TCX	8119415	4834000
2.658		177085	138903
2.735		10322	6180
2.786		443770	297982
2.832		64675	29248
2.846		362240	203319
2.898		2014894	1228922
2.948		21466	14833
3.009		264953	173862
3.069		932	326
3.084		1759	789
3.105		1697436	820179
3.116		584073	218670
3.156		295565	189436
3.178		163898	92637
3.203		207352	117544
3.227		2478875	1638571
3.264		142435	84473
3.289		611	151
3.31		623820	333028
3.325		363395	170896
3.351		5286	2477
3.376		1367472	673330
3.385		3028222	1286234
3.405		127064	43508
3.418		2750416	1822064
3.493		3018754	1840811
3.528		2019801	1239038
3.551		2366497	1278125
3.569		690025	340963
3.624		1754	618
3.654		2589049	1652156
3.677		959855	506941
3.698		883451	528370
3.727		650512	337612
3.744		2160073	1247057
3.785		756423	546249
3.831		196786	174231
3.854		563074	336691

RT B	Compound B	Height B	Area B
3.876		3013682	1885604
3.901		557362	341385
3.92		105021	50493
3.939		360253	220630
3.974		2457293	1677575
4.008		154363	91561
4.023		222528	130346
4.084		32833	28776
4.109		365792	411707
4.149		29004	17645
4.175		674483	492811
4.217		625997	377130
4.235		574159	294295
4.248		1571875	845210
4.274		977743	952785
4.326		5559589	4158808
4.366		107405	105818
4.395		533441	363404
4.419		1140746	811642
4.461		6782574	4879190
4.564		5320796	4912786
4.616		672098	571832
4.654		1432742	1195778
4.69		6648172	5354369
4.722		2957965	2046044
4.76		2119212	1604965
4.819		3004	1612
4.831		5802	2951
4.86		636209	434644
4.877		91679	48470
4.91		3945616	2994027
4.934		577246	372714
4.984		1881718	1666880
5.019		984132	768900
5.049		754881	616879
5.081		355581	214285
5.104		9831475	7715164
5.145		191589	140723
5.176		363209	306032
5.219		3783	2705
5.256		3731	2690
5.294		94894	62618
5.317		1824085	1469297
5.362		6585870	6898035
5.428		2022	1562
5.461		3541	2366
5.481		4658	2948
5.517		229045	190166
5.562		184917	132071
5.585		214126	158019
5.633		1233545	1015946
5.675		1773	1582
5.74		2943227	2436864
5.772		185055	137154
5.851		828	3044
5.864		1619	1164
5.91		930	972
5.938		861393	719982
5.968		1674	863
6.021		3143	2860
6.057		3001	2889
6.097	DCB	8529491	7099501
6.154		2399	1573
6.241		4130	9661
6.273		4340	4574
6.313		1788	1105

RT B	Compound B	Height B	Area B
6.327		1247	342
6.359		1394	1248
6.419		826	505
6.441		1865	1888
6.485		2039	2010
6.556		1430	2108
6.573		1222	603
6.623		1400	1461
6.657		996	474
6.672		910	578
6.724		3439	6512
6.775		1278	2656
6.798		1484	790
6.839		2250	2060
6.886		824	2267
6.91		1464	839
6.937		2475	1439

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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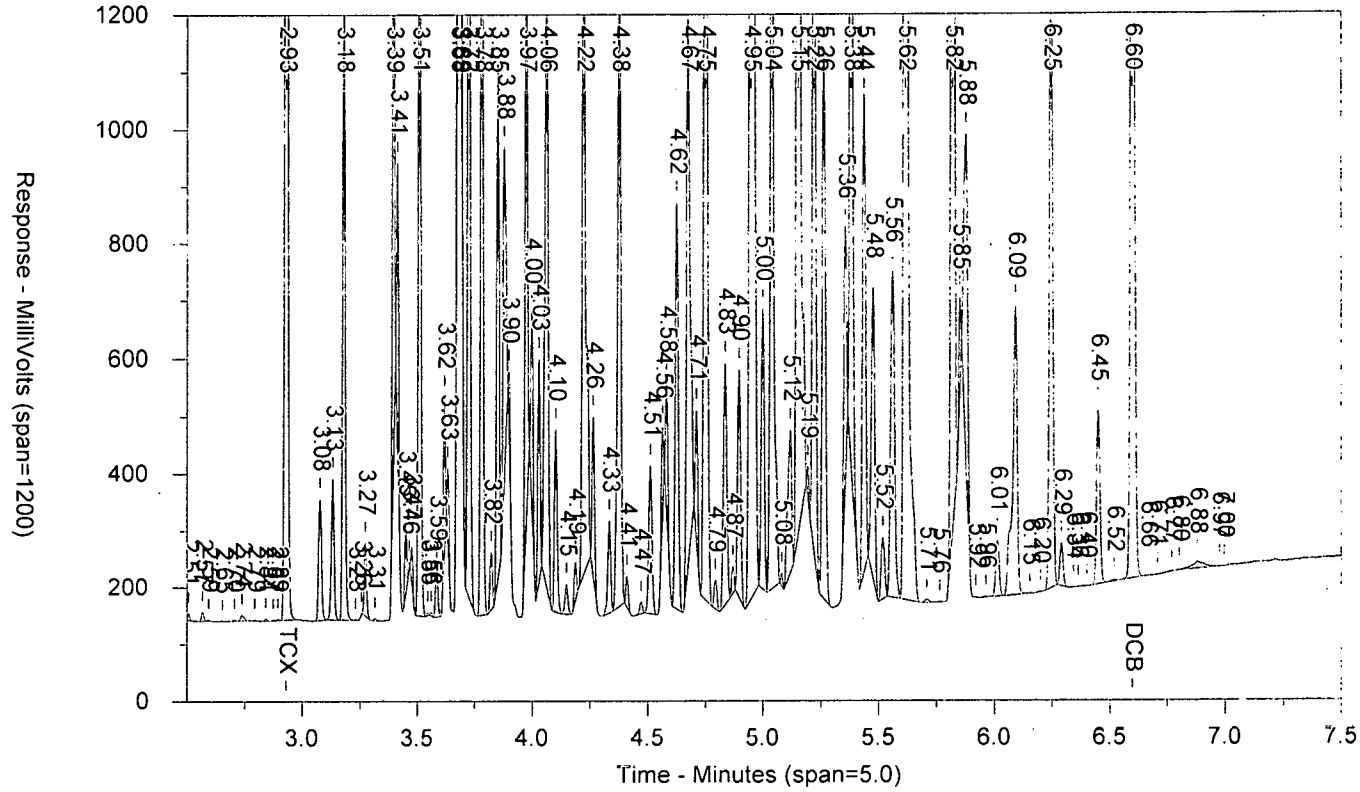

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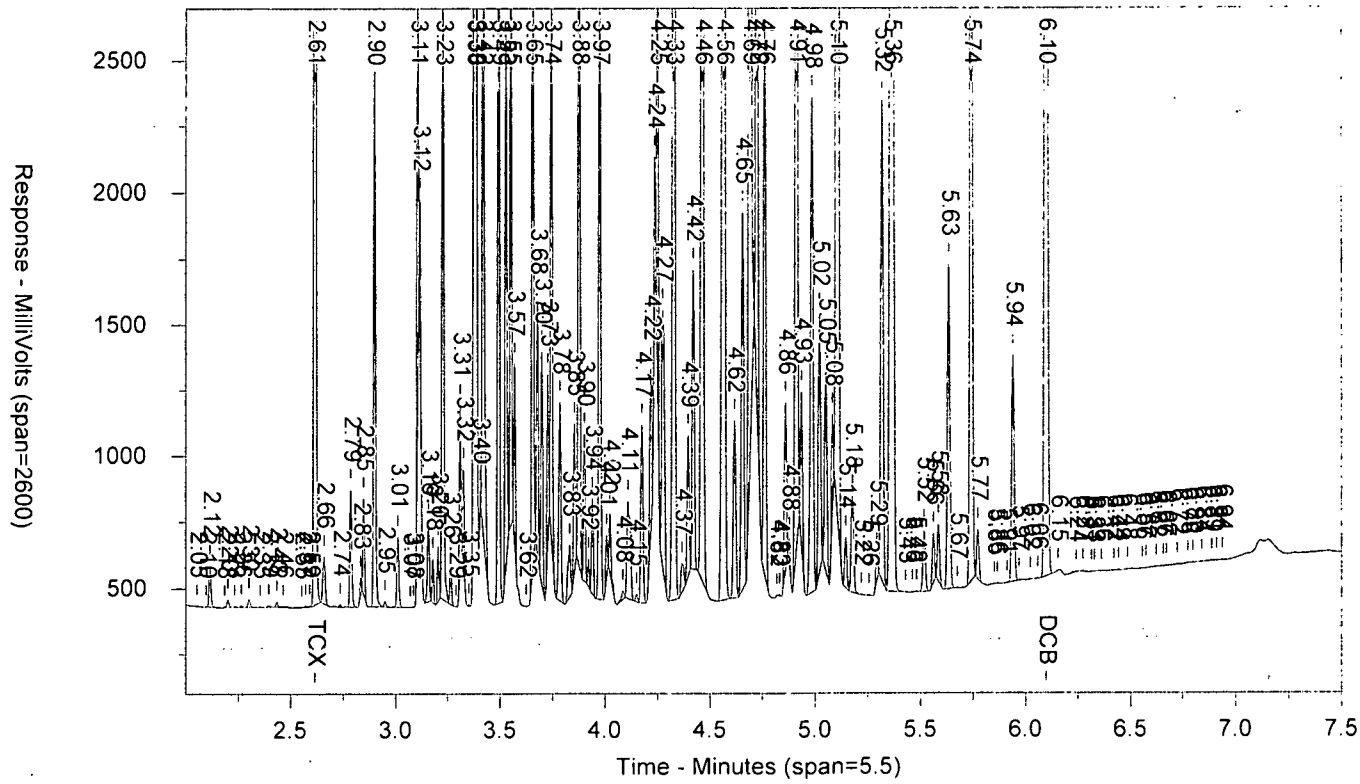

LANCASTER LABORATORIES

Sample Number: LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082
Injected On: 10/12/2017 5:58:49 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
2.93	4575292	30.326	TCX	2.615	8119415	29.803	TCX
6.597	2715025	28.167	DCB	6.097	8529491	28.175	DCB

Files:
Area File: 25PCBS17284001.047.RAW
Area File: 25PCBS17284001B.047.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728401.CAL
Calibration File B: 25PCBS1728401b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/12/2017 2:30:25 PM
File Reported On: 10/12/2017 at 4:30:30 PM

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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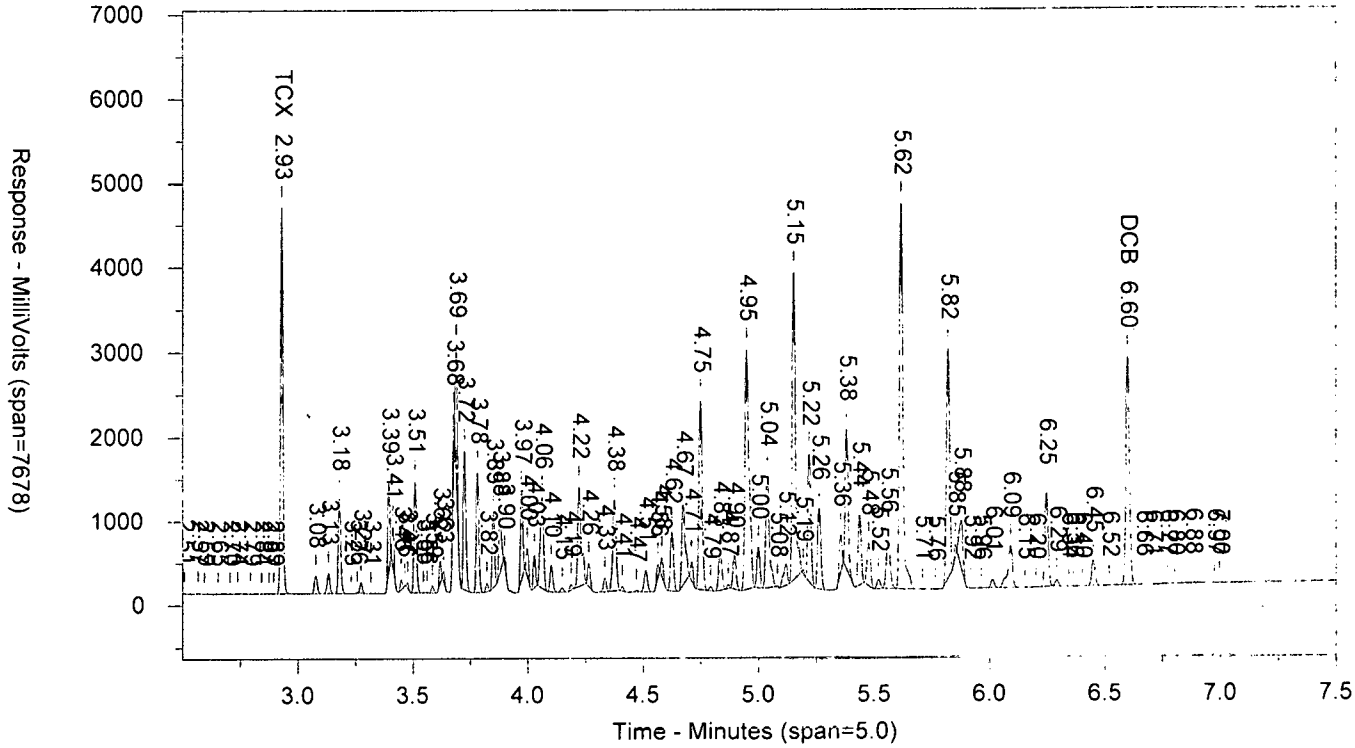

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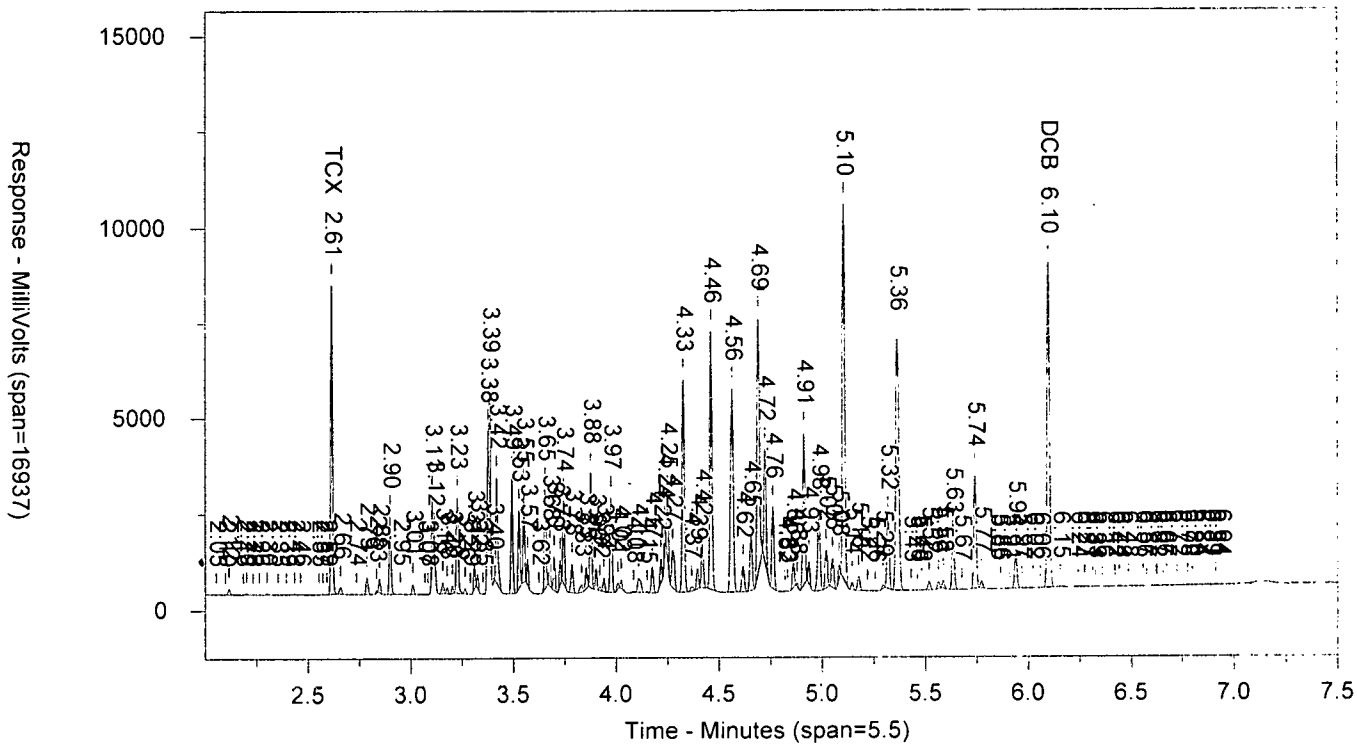

LCSA 10/6/17 RI ACF ABLCS31278 LCS 172780031A 10225 SW-846 8082

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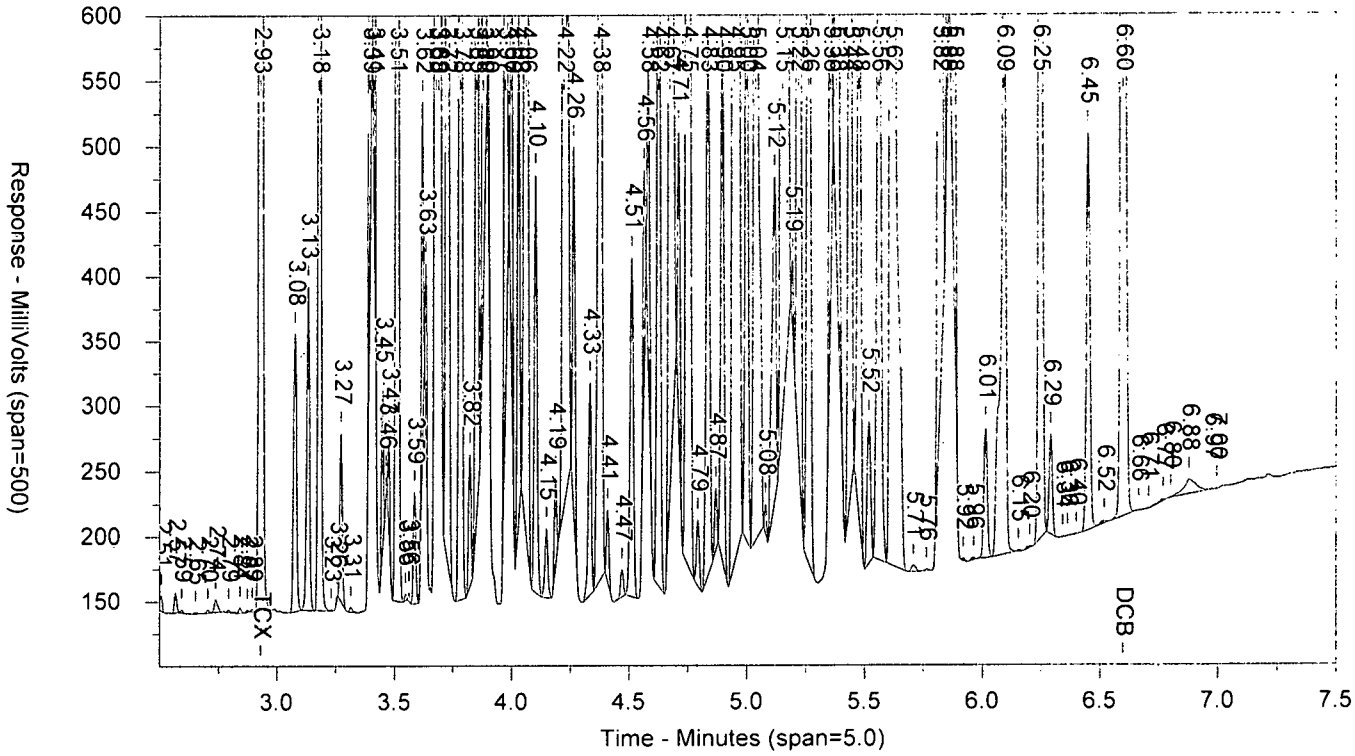

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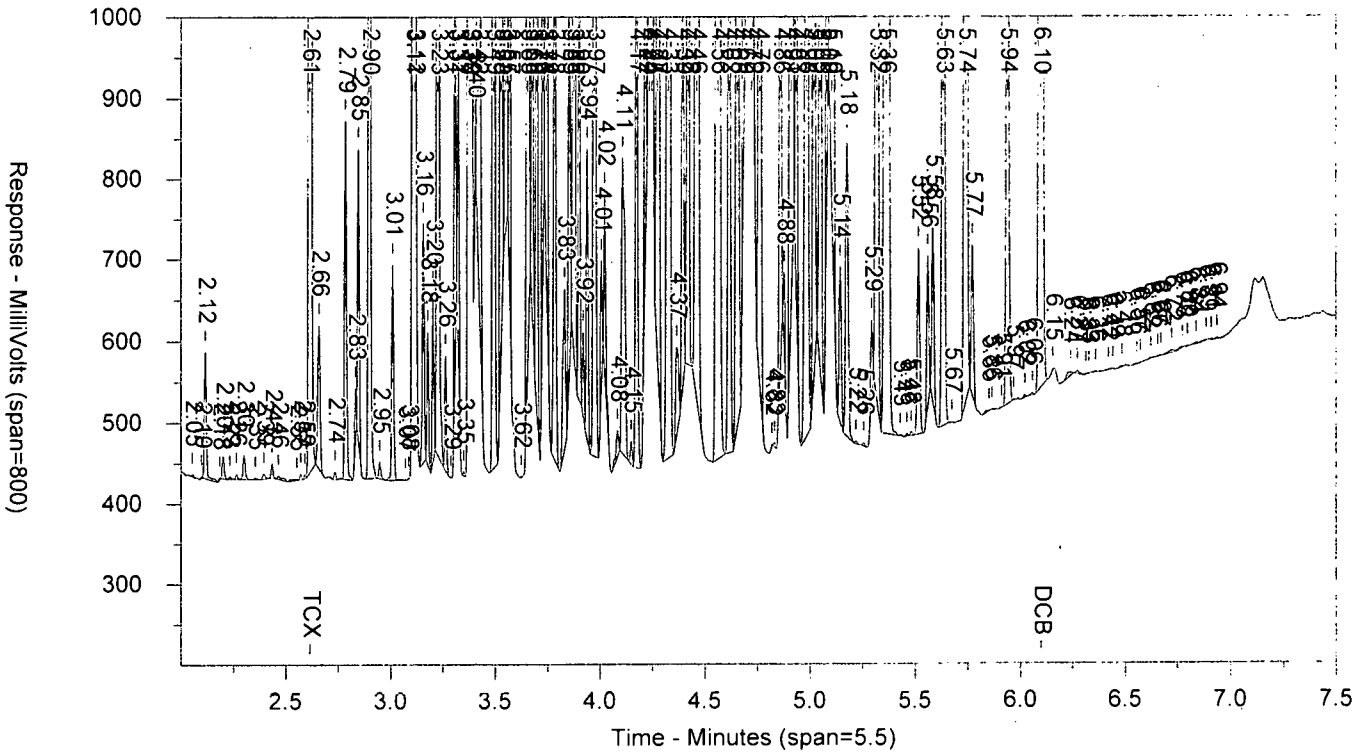

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Data Summary

Sample Name: BLANKA 10/7/17 ACF PBLK09279 BLK Sample ID: AB **Batchnumber: 172790009A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 00:38:48
Instrument	19843A
Result file	07PCBS17282002.0037.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX)	103% (61 - 152)	Conc:	31.35353
%SSR(DCB)	88% (48 - 164)	Conc:	23.74873

Analysis Report (B)

Injected on	Oct 11, 2017 00:38:48
Instrument	19843B
Result file	07PCBS17282002B.0037.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX)	144% (61 - 152)	Conc:	43.93111
%SSR(DCB)	102% (48 - 164)	Conc:	27.65842

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	8833214	31.35353	Tetrachloro-m-xylene	2.56	2.59	2.62	14027700	43.93111
Decachlorobiphenyl	6.58	6.60	6.64	4552453	23.74873	Decachlorobiphenyl	6.06	6.08	6.12	8684411	27.65842

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	43.93111				33.41	
Tetrachloro-m-xylene-D1	A	31.35353					
Tetrachloro-m-xylene-D2	B	43.93111					
Decachlorobiphenyl	B	27.65842				15.21	
Decachlorobiphenyl-D1	A	23.74873					
Decachlorobiphenyl-D2	B	27.65842					

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 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:50

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/7/17 ACF PBLK09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0037.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 103% (61-152) Conc.: 31.35353
%SSR(DCB) : 88% (48-164) Conc.: 23.74873

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	30.32	
3.17	3.18	3.21	2311.769	0.468709			1
3.71	3.72	3.75	6286.258	0.859184			4
3.77	3.80	3.81	6439.476	1.022273			5
3.96	3.98	4.00	4692.124	0.981491			6
Height Summation:			19729.627				
Amount Avg CF:			0.832914	Linear:			
Aroclor-1221					3	165.94	
3.07	3.08	3.11	3321.893	1.368782			1
3.12	3.13	3.16	129169.3	59.220205			2
3.17	3.18	3.21	2311.769	0.339729			3
Height Summation:			134802.962				
Amount Avg CF:			20.309572	Linear:			
Aroclor-1232					4	52.32	
3.17	3.18	3.21	2311.769	0.41063			1
3.71	3.72	3.75	6286.258	1.855606			4
3.77	3.80	3.81	6439.476	2.288178			5
3.96	3.98	4.00	4692.124	2.339874			6
Height Summation:			19729.627				
Amount Avg CF:			1.723572	Linear:			
Aroclor-1242					4	29.80	
3.17	3.18	3.21	2311.769	0.354131			1
3.71	3.72	3.75	6286.258	0.657761			4
3.77	3.80	3.81	6439.476	0.752338			5
3.96	3.98	4.00	4692.124	0.743669			6
Height Summation:			19729.627				
Amount Avg CF:			0.626975	Linear:			
Aroclor-1248					5	56.57	
3.71	3.72	3.75	6286.258	1.883341			1
3.77	3.80	3.81	6439.476	1.764993			2
3.84	3.86	3.88	3817.27	0.614692			3
3.96	3.98	4.00	4692.124	0.667765			4
4.23	4.25	4.27	4713.789	0.708031			6
Height Summation:			25948.917				
Amount Avg CF:			1.127765	Linear:			
Aroclor-1254					6	51.20	
4.55	4.57	4.59	8687.841	1.082635			1
4.62	4.63	4.65	19643.73	1.260922			2
4.74	4.76	4.78	11153.69	2.37907			3
+ 4.83	4.83	4.87	4682.825	0.543919			4
4.83	4.85	4.87	9770.771	1.134893			4
5.03	5.05	5.06	11619.48	2.215732			5
5.14	5.16	5.18	30875.85	3.637394			6
Height Summation:			91751.362				
Amount Avg CF:			1.951774	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0037.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 144% (61-152) Conc.: 43.93111
%SSR(DCB) : 102% (48-164) Conc.: 27.65842

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	167.60	
+ 2.86	2.87	2.90	1916.679	0.340837			1
2.86	2.88	2.90	2731.019	0.485648			1
3.19	3.22	3.23	155530	22.78502			2
3.38	3.38	3.42	3662.737	0.534818			3
3.51	3.51	3.55	11744.4	2.179718			5
+ 3.51	3.53	3.55	4690.565	0.870552			5
Height Summation:			173668.156				
Amount Avg CF:			6.496301	Linear:			
Aroclor-1221					3	164.23	
2.74	2.74	2.78	10278.06	2.729384			1
2.81	2.81	2.85	199452.3	84.299295			2
+ 2.86	2.87	2.90	1916.679	0.214082			3
2.86	2.88	2.90	2731.019	0.305039			3
Height Summation:			212461.379				
Amount Avg CF:			29.111239	Linear:			
Aroclor-1232					4	164.42	
+ 2.86	2.87	2.90	1916.679	0.26757			1
2.86	2.88	2.90	2731.019	0.381252			1
3.19	3.22	3.23	155530	44.642265			2
3.38	3.38	3.42	3662.737	1.065524			3
3.51	3.51	3.55	11744.4	5.6503			5
+ 3.51	3.53	3.55	4690.565	2.256659			5
Height Summation:			173668.156				
Amount Avg CF:			12.934835	Linear:			
Aroclor-1242					4	167.19	
+ 2.86	2.87	2.90	1916.679	0.272252			1
2.86	2.88	2.90	2731.019	0.387924			1
3.19	3.22	3.23	155530	17.884278			2
3.38	3.38	3.42	3662.737	0.421845			3
3.51	3.51	3.55	11744.4	1.738793			5
+ 3.51	3.53	3.55	4690.565	0.694452			5
Height Summation:			173668.156				
Amount Avg CF:			5.10821	Linear:			
Aroclor-1248					5	66.11	
3.49	3.51	3.53	11744.4	1.559722			1
+ 3.70	3.72	3.74	4811.307	0.755046			3
3.70	3.73	3.74	5013.455	0.786769			3
3.84	3.85	3.88	14151.42	1.181705			4
3.97	3.98	4.01	12931.88	2.098812			5
4.19	4.21	4.23	22651.55	3.989211			6
Height Summation:			66492.705				
Amount Avg CF:			1.923244	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/7/17 ACF PBLK09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0037.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	34.39	
4.74	4.76	4.78	11153.69	1.039265			1
4.94	4.96	4.98	19500.89	1.858973			2
5.14	5.16	5.18	30875.85	2.431108			3
5.37	5.39	5.41	9181.058	1.304569			4
5.61	5.63	5.65	45541.32	2.154481			5
+ 5.61	5.65	5.65	6277.279	0.296967			5
5.81	5.83	5.85	41012.73	2.768306			6
Height Summation:			157265.538				
Amount Avg CF:			1.926117	Linear:			
Aroclor-1262					5	33.18	
5.21	5.23	5.25	13974.78	1.079257			1
5.37	5.39	5.41	9181.058	0.999405			2
5.61	5.63	5.65	45541.32	1.885207			3
5.81	5.83	5.85	41012.73	2.138314			4
6.24	6.25	6.28	13844.06	1.404427			6
Height Summation:			123553.948				
Amount Avg CF:			1.501322	Linear:			
Aroclor-1268					5	98.93	
5.81	5.83	5.85	41012.73	1.152507			1
6.00	6.02	6.04	46914.76	1.531972			3
6.07	6.08	6.11	42021.84	5.594351			4
6.24	6.25	6.28	13844.06	1.303511			5
6.44	6.46	6.48	47997.38	0.609689			6
Height Summation:			191790.77				
Amount Avg CF:			2.038406	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0037.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	55.53	
4.13	4.15	4.17	10490.86	1.091002			1
4.19	4.21	4.23	22651.55	1.355956			2
4.29	4.31	4.32	33813.9	4.130839			3
4.35	4.37	4.39	21237.35	2.161148			4
4.57	4.59	4.61	13233.95	1.793081			5
4.65	4.67	4.69	51384.32	4.13073			6
Height Summation:			152811.93				
Amount Avg CF:			2.443793	Linear:			
Aroclor-1260					6	43.52	
4.42	4.44	4.46	33257.65	2.147858			1
4.52	4.54	4.56	8425.145	0.71072			2
4.65	4.67	4.69	51384.32	3.432484			3
4.87	4.89	4.91	16290.89	1.583618			4
5.06	5.08	5.10	52431.73	2.161705			5
5.32	5.34	5.36	37325.12	2.324112			6
Height Summation:			199114.855				
Amount Avg CF:			2.060083	Linear:			
Aroclor-1262					6	41.44	
4.68	4.70	4.72	9473.916	0.568508			1
4.87	4.89	4.91	16290.89	0.966291			2
5.06	5.08	5.10	52431.73	1.544549			3
5.28	5.30	5.32	9274.364	0.658903			4
+ 5.28	5.32	5.32	2221.296	0.157813			4
5.33	5.34	5.37	37325.12	1.607054			5
5.71	5.72	5.75	20131.31	1.541837			6
Height Summation:			144927.33				
Amount Avg CF:			1.147857	Linear:			
Aroclor-1268					6	103.10	
5.28	5.30	5.32	9274.364	0.231612			1
+ 5.28	5.32	5.32	2221.296	0.055473			1
5.33	5.34	5.37	37325.12	0.94857			2
5.48	5.50	5.52	58995.67	1.621545			3
5.55	5.57	5.59	44201.35	4.952819			4
5.71	5.72	5.75	20131.31	1.366916			5
5.91	5.92	5.95	87621.19	0.732411			6
Height Summation:			257549.004				
Amount Avg CF:			1.042312	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		** 154.54	4	40	
Aroclor-1221			51	15.3		35.62	3	40	
Aroclor-1232			51	12.3		** 152.97	4	40	
Aroclor-1242			51	12.3		** 156.27	4	40	
Aroclor-1248			51	9.9		** 52.15	4	40	
Aroclor-1254			51	13.2		22.39	4	40	
Aroclor-1260			51	11.7		6.72	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/7/17 ACF PBLK09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0037.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 00:38:48
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0037.RAW
Calibration file : 07PCBS1728201B.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-1262			51	9.9		26.68	4	40	
Aroclor-1268			51	9.9		21.52	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:38:48 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: 07pcbs17282002.0037.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.537		11655	18187
1.601		67027	157800
1.667		7858	5624
1.689		68951	86179
1.716		39626	39787
1.742		20567	24329
1.766		13907	11599
1.799		4035	3005
1.854		9113	10158
1.887		4436	2682
1.906		3303	2053
1.943		5023	4093
1.98		3941	3270
2.006		45693	49545
2.049		15516	15885
2.092		13160	21923
2.144		590268	521203
2.211		35302	38317
2.236		17406	19742
2.334		27599	21912
2.374		3488	2092
2.402		862378	614104
2.449		19677	21780
2.489		28265	28103
2.515		43369	31922
2.553		22488	24768
2.603		10981	9111
2.626		7239	5410
2.67		3407	2068
2.712		7580	5366
2.754		759508	559537
2.792		14604	13820
2.88		6109	3296
2.938	TCX	8833214	6008877
2.998		5208	3078
3.064		7402	4255
3.081		3322	2735
3.135		129169	98494
3.165		5899	3470
3.185		2312	1496
3.24		4687	2484
3.264		28312	24744
3.475		43605	25894
3.494		39196	22394
3.595		92803	64376
3.661		98466	69135
3.718		6286	3926
3.801		6439	4980
3.857		3817	2454
3.885		3486	2144
3.894		1899	1375
3.92		1065	278
3.927		2278	636

RT A	Compound A	Height A	Area A
3.977		4692	4687
4.034		3884	1984
4.092		2911	1966
4.172		12251	11911
4.196		6170	3938
4.228		10378	7849
4.25		4714	2841
4.279		17535	19010
4.312		1767	473
4.333		1719	1379
4.384		9094	8383
4.417		6513	5500
4.491		2128	529
4.519		4247	4043
4.571		8688	6412
4.603		3182	2749
4.632		19644	17415
4.678		2305	1651
4.715		2519	1815
4.757		11154	9778
4.831		4683	3501
4.846		9771	6655
4.877		1521	680
4.906		9147	9503
4.956		19501	23007
5.046		11619	11777
5.119		4196	4149
5.162		30876	27206
5.23		13975	15569
5.272		9748	10490
5.308		2208	860
5.367		6069	4227
5.39		9181	6849
5.446		6466	9773
5.483		5115	4282
5.534		2303	3790
5.567		10359	9953
5.627		45541	39054
5.649		6277	4482
5.713		1852	436
5.733		3915	3113
5.758		1949	1311
5.83		41013	36256
5.863		2579	1565
5.94		1736	412
6.021		46915	44557
6.084		42022	48749
6.192		1918	1128
6.227		1405	411
6.255		13844	12562
6.398		1810	336
6.455		47997	46682
6.601	DCB	4552453	4660064
7.275		943	962
7.301		1097	413
7.335		1365	361
7.582		1781	1344
7.618		1268	576
7.777		1842	451
7.813		940	781
7.854		1747	425
7.889		1220	967
7.983		1302	484
8.415		1441	516
8.609		1173	321
8.692		1392	372

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:38:48 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: 07pcbs17282002B.0037.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.533		6943	6391
1.603		8801	11786
1.645		20054	21779
1.68		20613	22337
1.738		53528	55237
1.803		24685	22534
1.852		826224	764020
1.902		56841	83029
1.968		46021	43851
2.013		3598	2835
2.094		1279243	958984
2.143		6159	3783
2.178		59221	58389
2.242		12542	7989
2.262		18341	10573
2.292		2437	1632
2.332		7527	3992
2.35		4980	2401
2.377		28356	20514
2.412		274254	175849
2.44		1019673	649362
2.488		13290	8294
2.51		2388	1013
2.53		11090	5900
2.55		4061	2061
2.568		18602	9766
2.593	TCX	14027700	8839024
2.673		2638	1147
2.714		23730	13284
2.744		10278	9742
2.81		199452	127105
2.865		1917	970
2.881		2731	1562
2.9		7832	4747
2.926		38030	21431
2.973		7300	5480
2.998		3551	3107
3.029		2865	1603
3.048		3627	2054
3.063		6356	2886
3.085		3983	2975
3.106		1601	1103
3.127		97267	56538
3.163		71959	42266
3.224		155530	95164
3.257		2253	900
3.299		168460	112233
3.342		11068	9764
3.384		3663	2175
3.439		10642	6138
3.512		11744	9600
3.533		4691	3394
3.556		7642	3905
3.602		6800	6373

3.654		11343	8485
3.681		4649	3473
3.717		4811	4261
3.735		5013	4772
3.785		11911	6896
3.806		14698	11170
3.854		14151	10039
3.876		5448	3225
3.917		24026	22099
3.952		13559	9588
3.984		12932	14338
4.049		16513	14466
4.093		7749	7478
4.125		4415	2282
4.15		10491	7292
4.184		4285	4433
4.211		22652	19154
4.249		2626	2521
4.311		33814	38190
4.372		21237	14291
4.397		7420	12706
4.44		33258	29962
4.5		4906	4990
4.539		8425	7085
4.588		13234	10607
4.631		10922	11951
4.668		51384	60233
4.7		9474	6061
4.738		8869	6109
4.815		1967	2060
4.836		1884	1180
4.887		16291	11868
4.911		10296	7067
4.96		12367	11222
4.995		6168	5243
5.027		5833	5290
5.06		7670	4777
5.082		52432	44534
5.153		11909	10108
5.192		5881	6417
5.297		9274	6451
5.315		2221	1163
5.34		37325	34945
5.498		58996	51666
5.568		44201	37272
5.616		9072	6812
5.643		7516	5859
5.725		20131	16864
5.838		3419	3317
5.925		87621	73597
6.084	DCB	8684411	8003481
6.24		4091	10016
7.122		1783	5108
7.536		1338	3360
7.768		1615	1532
8.161		8974	14771

BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 80

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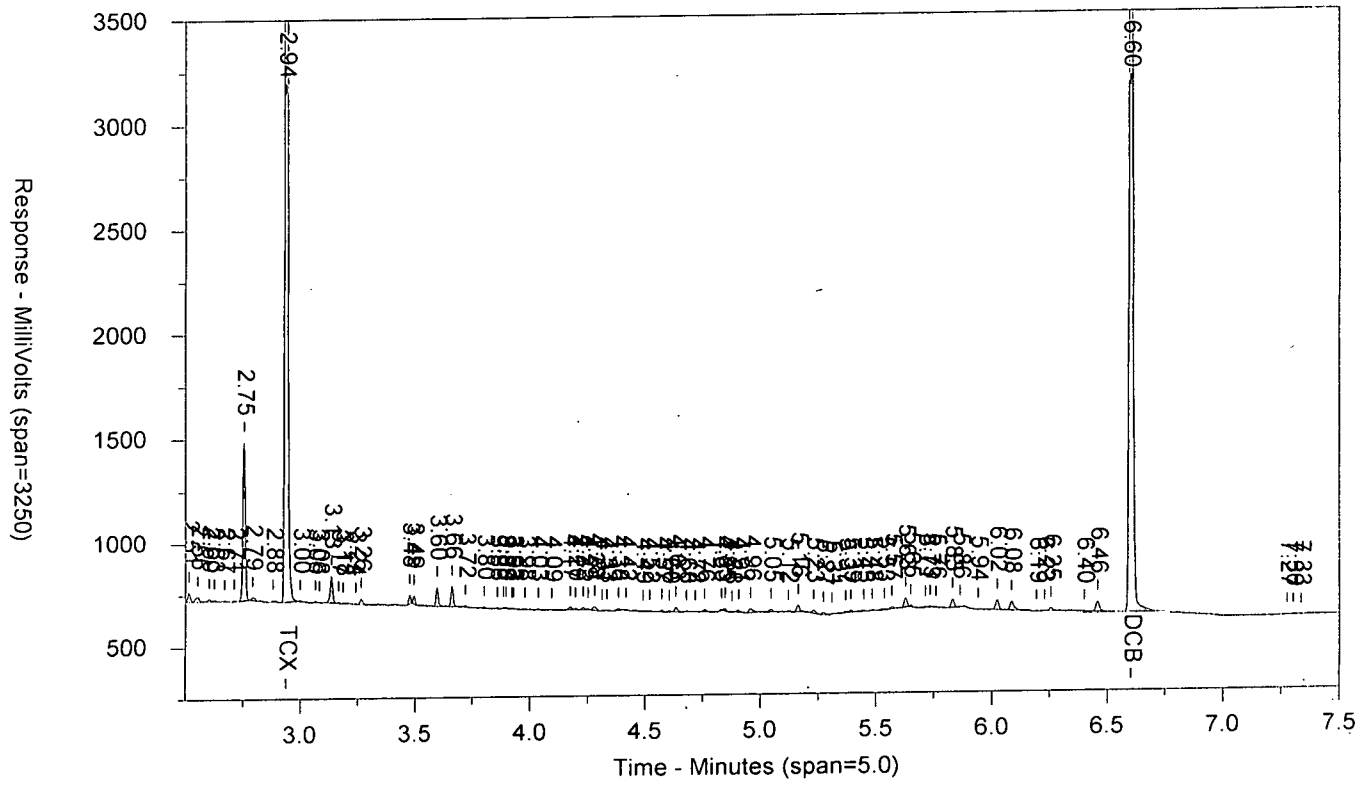

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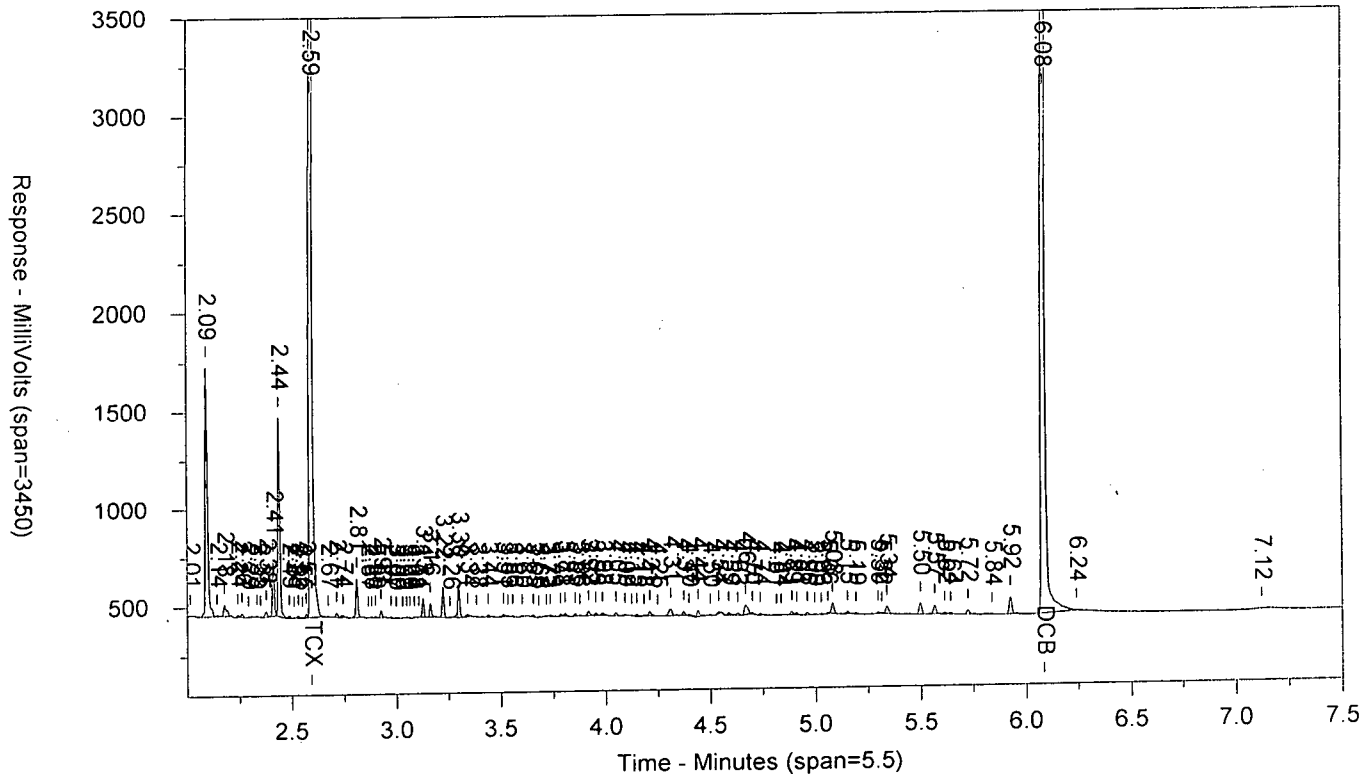

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:38:48 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
2.938	8833214	31.354	TCX	2.593	14027700	43.931	TCX
6.601	4552453	23.749	DCB	6.084	8684411	27.658	DCB

Files:
Area File: 07pcbs17282002.0037.RAW
Area File: 07pcbs17282002B.0037.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 12:47:31 AM
File Reported On: 10/11/2017 at 12:47:42 AM

BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 80

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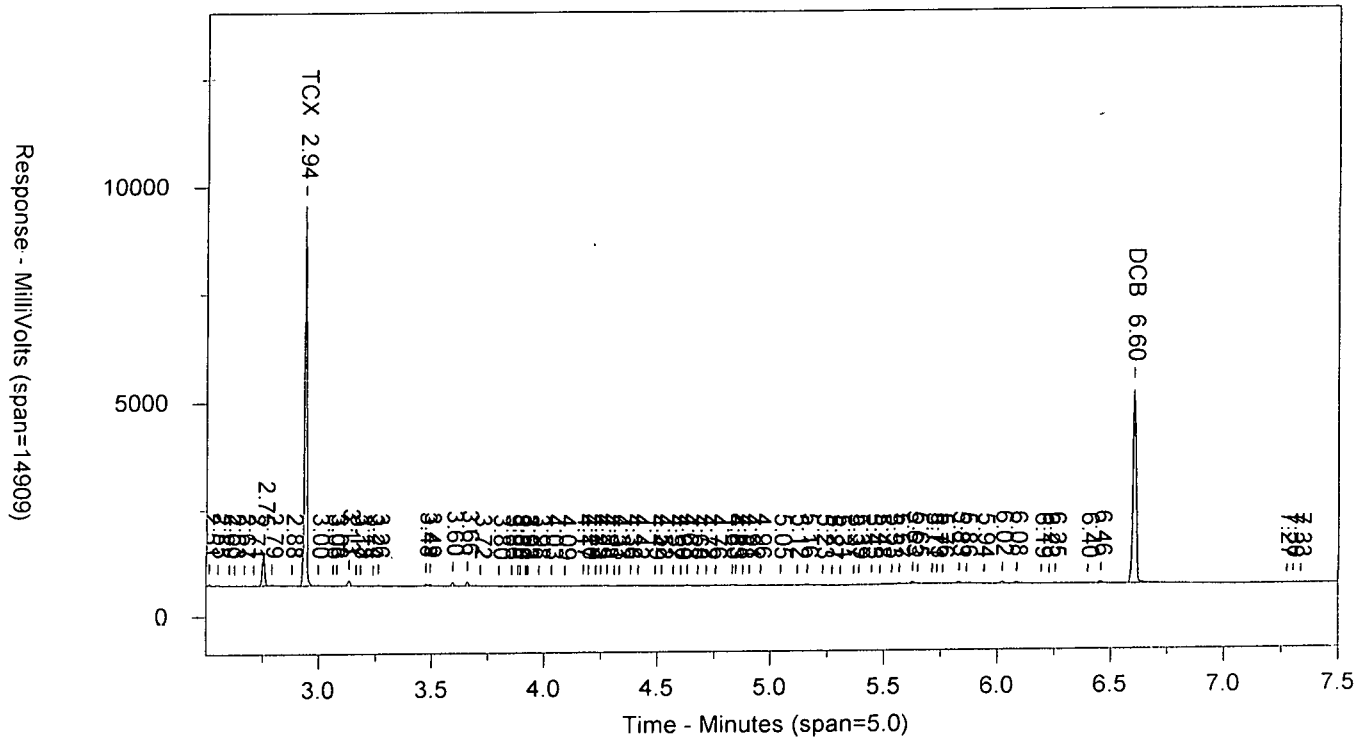

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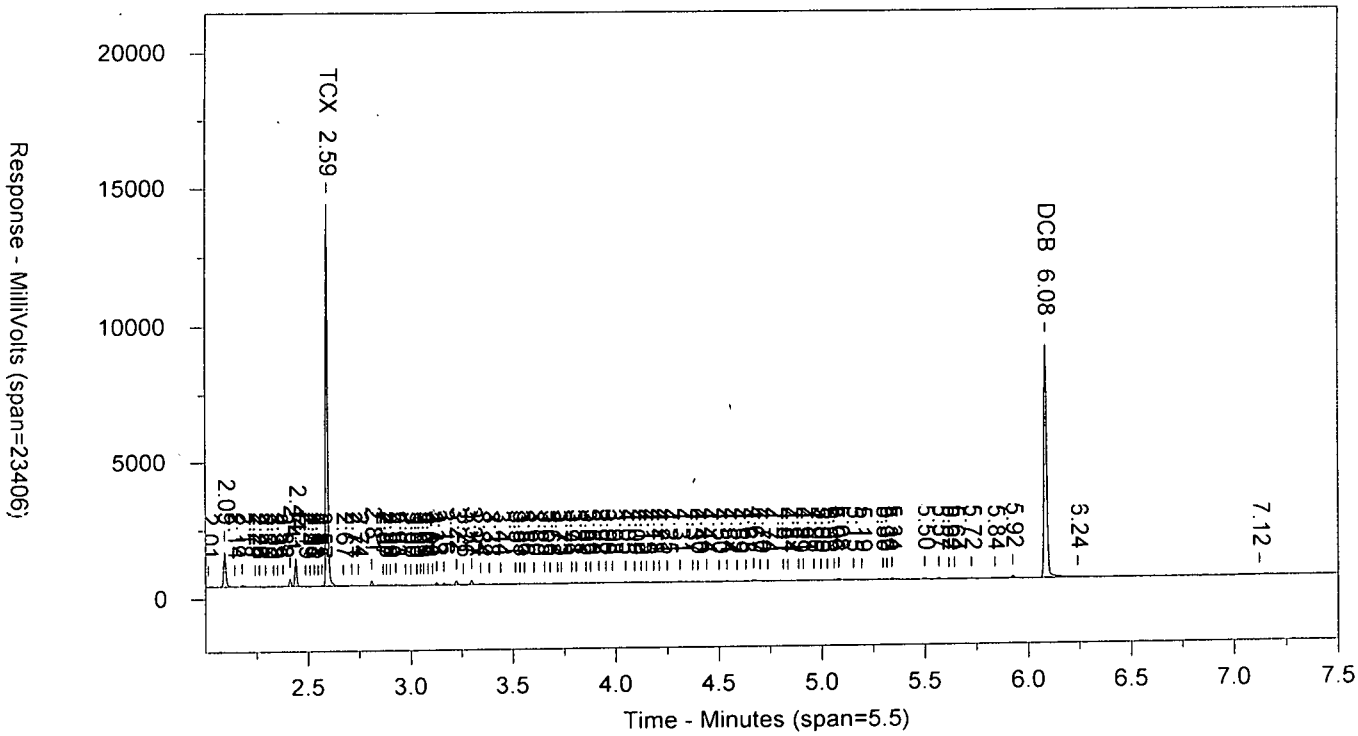

BLANKA 10/7/17 ACF ABPBLK09279 BLK 172790009A 10225 SW-846 80

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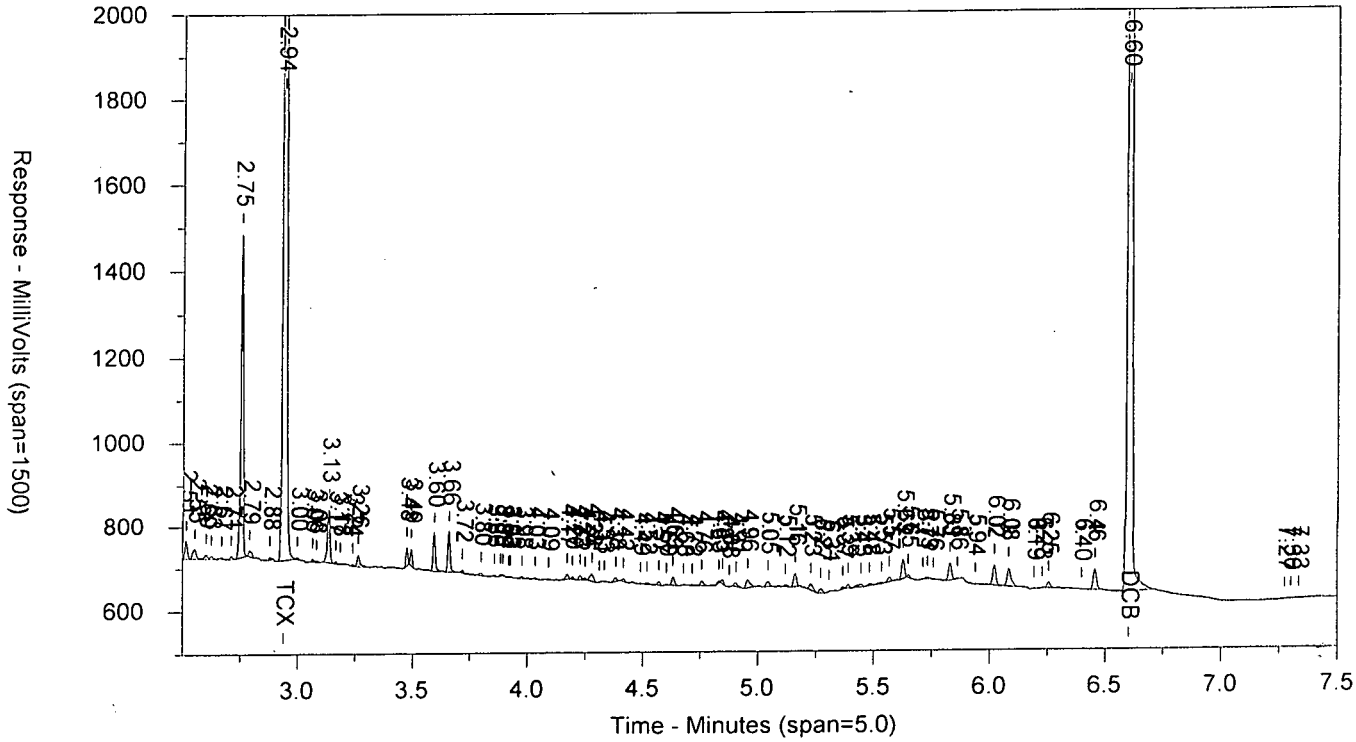

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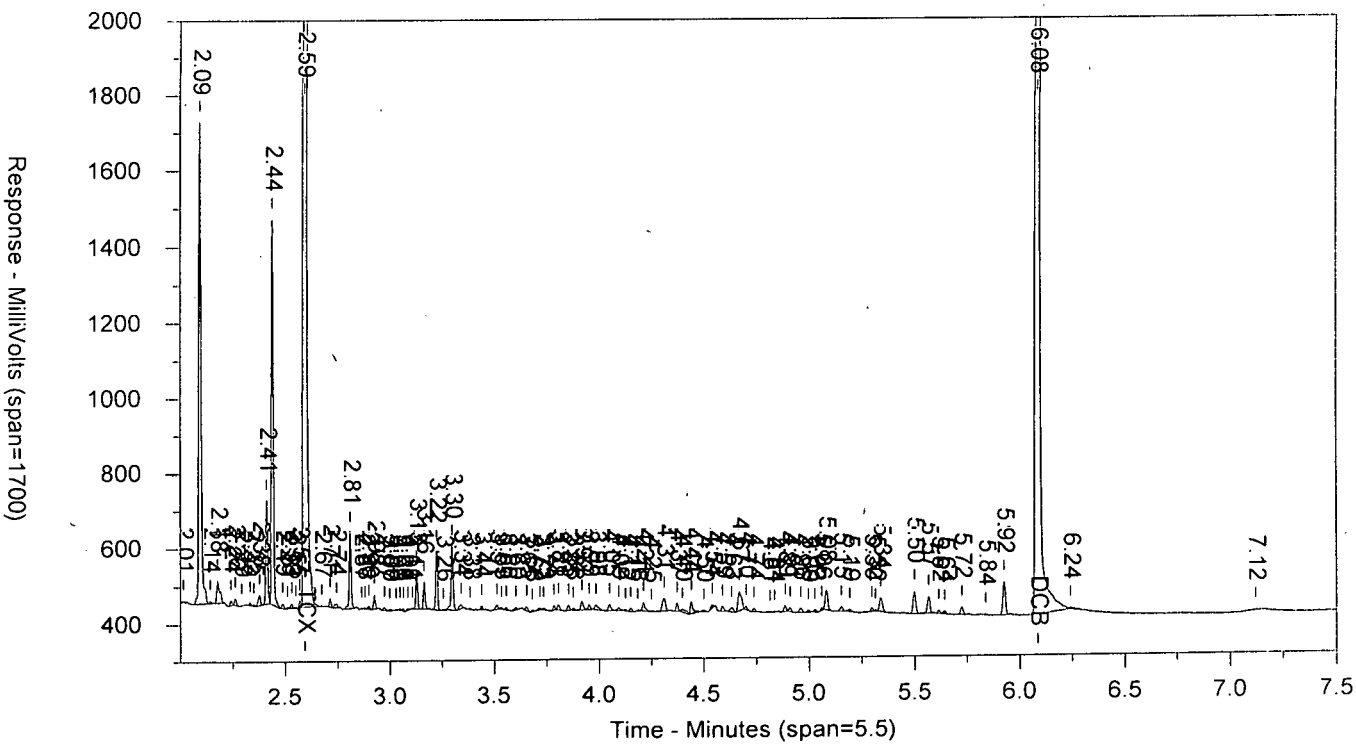

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Data Summary

Sample Name: 9229401 MS ACF DF20 96A13 MS Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.07 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:12:58
Instrument	19843A
Result file	07PCBS17282002.0040.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 95% (61 - 152) Conc: 28.80933
%SSR(DCB) 98% (48 - 164) Conc: 26.50651

Analysis Report (B)

Injected on	Oct 11, 2017 01:12:58
Instrument	19843B
Result file	07PCBS17282002B.0040.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 118% (61 - 152) Conc: 35.92569
%SSR(DCB) 106% (48 - 164) Conc: 28.54289

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	408663	28.80933
Decachlorobiphenyl	6.58	6.60	6.64	255833	26.50651

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	577589	35.92569
Decachlorobiphenyl	6.06	6.08	6.12	451243	28.54289

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	35.92569				21.99	
☐ Tetrachloro-m-xylene-D1	A	28.80933					
☐ Tetrachloro-m-xylene-D2	B	35.92569					
☐ Decachlorobiphenyl	B	28.54289				7.40	
☐ Decachlorobiphenyl-D1	A	26.50651					
☐ Decachlorobiphenyl-D2	B	28.54289					

Multiple Component Data

Aroclor-1016 — %RSD **10.67**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
3.17	3.19	3.21	129147.2	520.04861			1
3.38	3.40	3.42	138432.3	542.120418			2
3.50	3.52	3.54	155853.7	508.483516			3
3.71	3.73	3.75	189564.7	514.579071			4
3.77	3.79	3.81	164111.8	517.435853			5
3.96	3.98	4.00	158843.1	659.911517			6

Height summation: **935952.8**
Concentration CF: **543.763164** L:

Aroclor-1016 — %RSD **24.51**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
2.86	2.88	2.90	175030.1	618.173091			1
3.19	3.21	3.23	230563.5	670.8514			2
3.38	3.40	3.42	203891.8	591.289616			3
3.45	3.47	3.49	236629.3	634.425693			4
3.51	3.53	3.55	288140.3	1062.121082			5
3.61	3.63	3.65	251620.8	804.095063			6

Height summation: **1385875.8**
Concentration CF: **730.159324** L:

Aroclor-1260 — %RSD **17.13**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.74	4.76	4.78	2609649	4829.366886			1
4.94	4.96	4.98	3090881	5851.959953			2
5.14	5.16	5.18	4310089	6740.189101			3
5.37	5.39	5.41	1516641	4280.135105			4
5.61	5.63	5.65	5490335	5158.653453			5
5.81	5.83	5.85	3480091	4665.375246			6

Height summation: **20497686**
Concentration CF: **5254.279957** L:

Aroclor-1260 — %RSD **24.13**

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.42	4.44	4.46	5368834	6886.435797			1
4.52	4.54	4.56	3492012	5850.555697			2
4.65	4.67	4.69	7004764	9293.34127			3
4.87	4.89	4.91	2570520	4962.805562			4
5.06	5.08	5.10	7089124	5804.90865			5
5.32	5.34	5.36	4545450	5621.255406			6

Height summation: **30070704**
Concentration CF: **6403.217064** L:

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:58

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Data Summary

Sample Name: 9229401 MS ACF DF20 96A13 MS Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.07 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:12:58
Instrument	19843A
Result file	07PCBS17282002.0040.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 11, 2017 01:12:58
Instrument	19843B
Result file	07PCBS17282002B.0040.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	543.763164	<1012.9096	196.6236		29.26	4	
☐ PCB-1221			<1012.9096	<303.8729			3	
☐ PCB-1232			<1012.9096	<244.29			4	
☐ PCB-1242			<1012.9096	<244.29			4	
☐ PCB-1248			<1012.9096	<196.6236			4	
☐ PCB-1254			<1012.9096	<262.1648			4	
☐ PCB-1260	A	5254.279957	1012.9096	232.3734		19.71	4	
☐ PCB-1262			<1012.9096	<196.6236			4	
☐ PCB-1268			<1012.9096	<196.6236			4	
☐ Total PCBs	A	5798.043122	1012.9096	196.6236				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:58

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229401** MS ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.07 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0040.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.80933
%SSR(DCB) : 98% (48-164) Conc.: 26.50651

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	10.67	
3.17	3.19	3.21	129147.2	520.04861			1
3.38	3.40	3.42	138432.3	542.120418			2
+ 3.38	3.42	3.42	71982.37	281.893117			2
3.50	3.52	3.54	155853.7	508.483516			3
3.71	3.73	3.75	189564.7	514.579071			4
3.77	3.79	3.81	164111.8	517.435853			5
3.96	3.98	4.00	158843.1	659.911517			6
Height Summation:			935952.8				
Amount Avg CF:			543.763164	Linear:			
Aroclor-1221					3	45.52	
3.07	3.08	3.11	17561.76	143.72003			1
3.12	3.14	3.16	27358.6	249.117935			2
3.17	3.19	3.21	129147.2	376.94138			3
Height Summation:			174067.56				
Amount Avg CF:			256.593115	Linear:			
Aroclor-1232					6	32.87	
3.17	3.19	3.21	129147.2	455.608416			1
3.38	3.40	3.42	138432.3	1178.52755			2
+ 3.38	3.42	3.42	71982.37	612.813672			2
3.50	3.52	3.54	155853.7	1099.21432			3
3.71	3.73	3.75	189564.7	1111.351725			4
3.77	3.79	3.81	164111.8	1158.189494			5
3.96	3.98	4.00	158843.1	1573.228767			6
Height Summation:			935952.8				
Amount Avg CF:			1096.020045	Linear:			
Aroclor-1242					6	10.92	
3.17	3.19	3.21	129147.2	392.920519			1
3.38	3.40	3.42	138432.3	419.103745			2
+ 3.38	3.42	3.42	71982.37	217.926603			2
3.50	3.52	3.54	155853.7	386.117336			3
3.71	3.73	3.75	189564.7	393.943472			4
3.77	3.79	3.81	164111.8	380.805179			5
3.96	3.98	4.00	158843.1	500.010468			6
Height Summation:			935952.8				
Amount Avg CF.			412.15012	Linear:			
Aroclor-1248					6	45.61	
3.71	3.73	3.75	189564.7	1127.962923			1
3.77	3.79	3.81	164111.8	893.373177			2
3.84	3.86	3.88	188394	602.52091			3
3.96	3.98	4.00	158843.1	448.975729			4
4.05	4.07	4.09	187549.4	614.042217			5
4.23	4.23	4.27	502485.4	1499.016242			6
+ 4.23	4.25	4.27	61800.08	184.36222			6
Height Summation:			1390948.4				
Amount Avg CF:			864.3152	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0040.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 118% (61-152) Conc.: 35.92569
%SSR(DCB) : 106% (48-164) Conc.: 28.54289

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	24.51	
2.86	2.88	2.90	175030.1	618.173091			1
3.19	3.21	3.23	230563.5	670.8514			2
+ 3.38	3.38	3.42	25860.77	74.996664			3
3.38	3.40	3.42	203891.8	591.289616			3
3.45	3.47	3.49	236629.3	634.425693			4
3.51	3.53	3.55	288140.3	1062.121082			5
+ 3.51	3.55	3.55	197198.5	726.898265			5
3.61	3.63	3.65	251620.8	804.095063			6
Height Summation:			1385875.8				
Amount Avg CF:			730.159324	Linear:			
Aroclor-1221					3	37.56	
2.74	2.76	2.78	33356.23	175.92637			1
+ 2.81	2.81	2.85	5295.343	44.450793			2
2.81	2.82	2.85	33823.62	283.926222			2
2.86	2.88	2.90	175030.1	388.279545			3
Height Summation:			242209.95				
Amount Avg CF:			282.710713	Linear:			
Aroclor-1232					6	50.76	
2.86	2.88	2.90	175030.1	485.28931			1
3.19	3.21	3.23	230563.5	1314.38661			2
+ 3.38	3.38	3.42	25860.77	149.416853			3
3.38	3.40	3.42	203891.8	1178.034185			3
3.45	3.47	3.49	236629.3	1416.566294			4
3.51	3.53	3.55	288140.3	2753.247351			5
+ 3.51	3.55	3.55	197198.5	1884.277374			5
3.61	3.63	3.65	251620.8	2008.167508			6
Height Summation:			1385875.8				
Amount Avg CF:			1525.948543	Linear:			
Aroclor-1242					6	25.07	
2.86	2.88	2.90	175030.1	493.782124			1
3.19	3.21	3.23	230563.5	526.560561			2
+ 3.38	3.38	3.42	25860.77	59.154622			3
3.38	3.40	3.42	203891.8	466.387594			3
3.45	3.47	3.49	236629.3	495.687568			4
3.51	3.53	3.55	288140.3	847.269574			5
+ 3.51	3.55	3.55	197198.5	579.857413			5
3.61	3.63	3.65	251620.8	635.447297			6
Height Summation:			1385875.8				
Amount Avg CF:			577.522453	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229401** MS ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.07 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0040.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**83.26**	
+ 4.55	4.57	4.59	136686.2	338.294802			1
4.55	4.59	4.59	363433.1	899.487502			1
4.62	4.63	4.65	2151073	2742.331542			2
4.74	4.76	4.78	2609649	11055.320373			3
4.83	4.84	4.87	822823.8	1898.162521			4
5.03	5.05	5.06	1205103	4564.100356			5
5.14	5.16	5.18	4310089	10084.587587			6
Height Summation:			**11462170.9**				
Amount Avg CF:			**5207.331647**	Linear:			
Aroclor-1260					**6**	**17.13**	
4.74	4.76	4.78	2609649	4829.366886			1
4.94	4.96	4.98	3090881	5851.959953			2
5.14	5.16	5.18	4310089	6740.189101			3
5.37	5.39	5.41	1516641	4280.135105			4
5.61	5.63	5.65	5490335	5158.653453			5
5.81	5.83	5.85	3480091	4665.375246			6
Height Summation:			**20497686**				
Amount Avg CF:			**5254.279957**	Linear:			
Aroclor-1262					**6**	**39.18**	
5.21	5.23	5.25	1684325	2583.487855			1
5.37	5.39	5.41	1516641	3278.929718			2
E 5.61	5.63	5.65	5490335	4513.908517			3
5.81	5.83	5.85	3480091	3603.660553			4
5.87	5.89	5.91	596013.7	1194.814668			5
6.24	6.26	6.28	1166936	2351.165448			6
Height Summation:			**13934341.7**				
Amount Avg CF:			**2920.99446**	Linear:			
Aroclor-1268					**6**	**96.18**	
5.81	5.83	5.85	3480091	1942.298427			1
5.87	5.89	5.91	596013.7	348.352471			2
6.00	6.02	6.04	41400.43	26.850141			3
+ 6.07	6.07	6.11	95311.52	252.011607			4
6.07	6.10	6.11	639282.7	1690.316769			4
6.24	6.26	6.28	1166936	2182.220507			5
6.44	6.46	6.48	224597.2	56.66245			6
Height Summation:			**6148321.03**				
Amount Avg CF:			**1041.116794**	Linear:			

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Analysis Report (B)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0040.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**111.94**	
3.49	3.51	3.53	280026.8	738.61229			1
3.61	3.63	3.65	251620.8	558.768405			2
+ 3.70	3.70	3.74	52119.03	162.445261			3
3.70	3.72	3.74	226645.3	706.410977			3
3.84	3.85	3.88	850978.9	1411.328813			4
3.97	3.98	4.01	1010693	3257.853652			5
+ 3.97	4.00	4.01	103384.5	333.248148			5
4.19	4.21	4.23	2045123	7153.342368			6
+ 4.19	4.23	4.23	618989.4	2165.074228			6
Height Summation:			**4665087.8**				
Amount Avg CF:			**2304.386084**	Linear:			
Aroclor-1254					**6**	**94.20**	
4.13	4.15	4.17	472584.1	976.099683			1
4.19	4.21	4.23	2045123	2431.462469			2
+ 4.19	4.23	4.23	618989.4	735.92126			2
4.29	4.30	4.32	4254726	10323.219774			3
4.35	4.37	4.39	950558.7	1921.16039			4
4.57	4.59	4.61	897110.1	2414.10745			5
4.65	4.67	4.69	7004764	11183.821478			6
Height Summation:			**15624865.9**				
Amount Avg CF:			**4874.978541**	Linear:			
Aroclor-1260					**6**	**24.13**	
4.42	4.44	4.46	5368834	6886.435797			1
4.52	4.54	4.56	3492012	5850.555697			2
4.65	4.67	4.69	7004764	9293.34127			3
4.87	4.89	4.91	2570520	4962.805562			4
5.06	5.08	5.10	7089124	5804.90865			5
5.32	5.34	5.36	4545450	5621.255406			6
Height Summation:			**30070704**				
Amount Avg CF:			**6403.217064**	Linear:			
Aroclor-1262					**6**	**30.92**	
4.68	4.70	4.72	1939031	2310.96133			1
4.87	4.89	4.91	2570520	3028.201178			2
E 5.06	5.08	5.10	7089124	4147.634368			3
5.28	5.30	5.32	1240659	1750.612833			4
5.33	5.34	5.37	4545450	3886.93061			5
5.71	5.72	5.75	1778436	2705.236476			6
Height Summation:			**19163220**				
Amount Avg CF:			**2971.596132**	Linear:			
Aroclor-1268					**6**	**122.44**	
5.28	5.30	5.32	1240659	615.360152			1
5.33	5.34	5.37	4545450	2294.275261			2
5.48	5.50	5.52	151808	82.871268			3
5.55	5.57	5.59	28800.47	64.093952			4
5.71	5.72	5.75	1778436	2398.327502			5
5.91	5.93	5.95	371671.3	61.702895			6
Height Summation:			**8116824.77**				
Amount Avg CF:			**919.438505**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229401** MS ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.07 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0040.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:12:58
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0040.RAW
Calibration file : 07PCBS1728201B.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			1012.9097	196.6236		29.26	4	40	
Aroclor-1221			1012.9097	303.8729		9.69	3	40	
Aroclor-1232			1012.9097	244.29		32.79	4	40	
Aroclor-1242			1012.9097	244.29		33.42	4	40	
Aroclor-1248			1012.9097	196.6236		** 90.89	4	40	
Aroclor-1254			1012.9097	262.1649		6.59	4	40	
Aroclor-1260			1012.9097	232.3734		19.71	4	40	
Aroclor-1262			1012.9097	196.6236	E	1.72	4	40	
Aroclor-1268			1012.9097	196.6236		12.41	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846.8082
Injected On: 10/11/2017 1:12:58 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: 07pcbs17282002.0040.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.582		13058	12235
1.689		9206	7707
1.916		2170	1751
2.051		10062	12755
2.082		3902	3457
2.143		14048	11898
2.21		19075	14074
2.332		7370	7970
2.496		4413	3669
2.659		10929	7068
2.748		2139	2156
2.9		5156	5971
2.937	TCX	408663	289002
3.084		17562	15359
3.142		27359	23441
3.188		129147	90082
3.241		17435	11648
3.281		15883	10794
3.403		138432	80248
3.42		71982	35862
3.456		16770	9030
3.47		3213	1285
3.484		11006	5312
3.517		155854	113051
3.593		7577	4340
3.626		37099	20620
3.64		21193	9869
3.683		86610	46624
3.694		172518	84395
3.731		189565	151047
3.79		164112	121888
3.83		20492	13638
3.858		188394	132955
3.885		148694	103975
3.907		102156	61653
3.981		158843	111278
4.005		79437	51962
4.036		106138	74226
4.07		187549	172440
4.111		51333	45914
4.143		21088	10010
4.173		6843	3691
4.194		28284	19486
4.23		502485	368201
4.248		61800	27210
4.274		422521	370511
4.341		344741	283053
4.383		824085	825828
4.417		805549	675741
4.458		171015	130329
4.48		48763	31045
4.502		5039	1889
4.523		224876	189111

RT A	Compound A	Height A	Area A
4.572		136686	96814
4.589		363433	384872
4.634		2151073	1876953
4.682		905501	668874
4.697		84577	40035
4.718		200982	122768
4.758		2609649	2365766
4.804		133158	121879
4.845		822824	845744
4.876		25866	16178
4.905		613538	589115
4.956		3090881	3702492
5.008		419206	375405
5.047		1205103	1252654
5.091		154013	107811
5.128		359347	440734
5.161		4310089	4005671
5.184		219663	106817
5.203		80688	37845
5.228		1684325	1502166
5.27		1100654	1075059
5.366		731860	584194
5.39		1516641	1236231
5.447		948781	827503
5.485		586783	596369
5.528		89444	103510
5.57		670844	675942
5.6		87684	58219
5.627		5490335	5340548
5.713		15392	12226
5.747		10435	6077
5.77		7263	5052
5.831		3480091	3208868
5.862		308462	206953
5.885		596014	692070
5.997		72147	58744
6.021		41400	31705
6.052		4428	2718
6.074		95312	74142
6.101		639283	593956
6.138		3871	2582
6.166		27676	23530
6.228		19332	13444
6.256		1166936	1143864
6.3		81142	72462
6.373		1619	992
6.456		224597	229450
6.571		4695	3402
6.603	DCB	255833	254353
6.638		11558	9551
6.807		3285	2695
6.851		11575	23055
6.986		1630	1160
7.036		1006	574
7.105		1503	447
7.27		1340	365
7.535		1481	587
7.685		1721	1053
7.73		1754	1155
7.798		1146	584
8.028		1110	404
8.038		1414	318
8.375		1248	414
8.563		1500	861

LANCASTER LABORATORIES

Sample Number: 9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:12:58 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: 07pcbs17282002B.0040.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.557		5130	4909
1.724		4008	2322
1.771		5234	5044
1.851		19545	17662
1.9		10005	8437
1.932		28857	22648
1.964		6134	7604
2.091		3967	3600
2.136		3176	2553
2.164		2249	3330
2.341		14156	9007
2.486		2504	1983
2.592	TCX	577589	372145
2.636		14346	9839
2.682		2992	3052
2.763		33356	20581
2.809		5295	2245
2.824		33824	19063
2.876		175030	108965
2.9		28349	13513
2.988		24717	15136
3.084		237229	239522
3.135		26898	15701
3.156		11381	6288
3.181		20969	11337
3.205		230564	159608
3.243		12078	10650
3.289		56909	29013
3.304		51395	26829
3.354		124428	54109
3.363		225356	98788
3.383		25861	9781
3.397		203892	139048
3.47		236629	155842
3.506		280027	174306
3.529		288140	158797
3.547		197199	103296
3.632		251621	160191
3.654		117826	63564
3.675		153832	101074
3.704		52119	25377
3.721		226645	152818
3.76		95390	71288
3.802		35981	27578
3.832		56489	32107
3.853		850979	567198
3.878		177750	97418
3.898		396619	229179
3.917		417373	253947
3.952		1165658	814280
3.983		1010693	647202
4		103385	42840
4.023		248909	165392
4.062		106493	108842

4.095		295607	193648
4.117		58282	51938
4.152		472584	336339
4.192		433000	368598
4.212		2045123	1138209
4.225		618989	292377
4.25		769295	697031
4.303		4254726	3221956
4.341		211503	218008
4.372		950559	622005
4.397		1234808	931823
4.439		5368834	4207178
4.493		37841	27135
4.54		3492012	3530961
4.591		897110	753523
4.631		1327001	1164605
4.668		7004764	5662053
4.7		1939031	1320859
4.739		1528998	1200425
4.796		25263	15668
4.809		14823	7196
4.837		401220	262381
4.854		188500	115818
4.888		2570520	1920285
4.911		1061593	722964
4.961		1704759	1437824
4.997		782766	630749
5.027		604012	485281
5.06		389725	243537
5.082		7089124	5849408
5.124		141026	100061
5.154		219952	176009
5.196		6801	4475
5.219		19980	14100
5.253		10140	7498
5.275		66451	38173
5.298		1240659	1048649
5.343		4545450	5076896
5.498		151808	125186
5.545		164069	137546
5.567		28800	15932
5.591		169960	116518
5.616		756258	624786
5.657		11200	12335
5.698		39645	26434
5.725		1778436	1487781
5.757		102374	76525
5.804		6445	4326
5.925		371671	333906
6.004		1940	2479
6.084	DCB	451243	428593
6.121		29243	24474
6.215		2718	1936
6.20		4004	3410
6.286		21876	21926
6.354		1797	1375
6.524		4160	5409
6.563		3364	2869
6.62		2108	2324
6.754		1917	3509
6.99		3841	4411
7.513		4355	6835
8.059		17110	30343
8.167		8429	13984
8.372		33339	63137

9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846 808:

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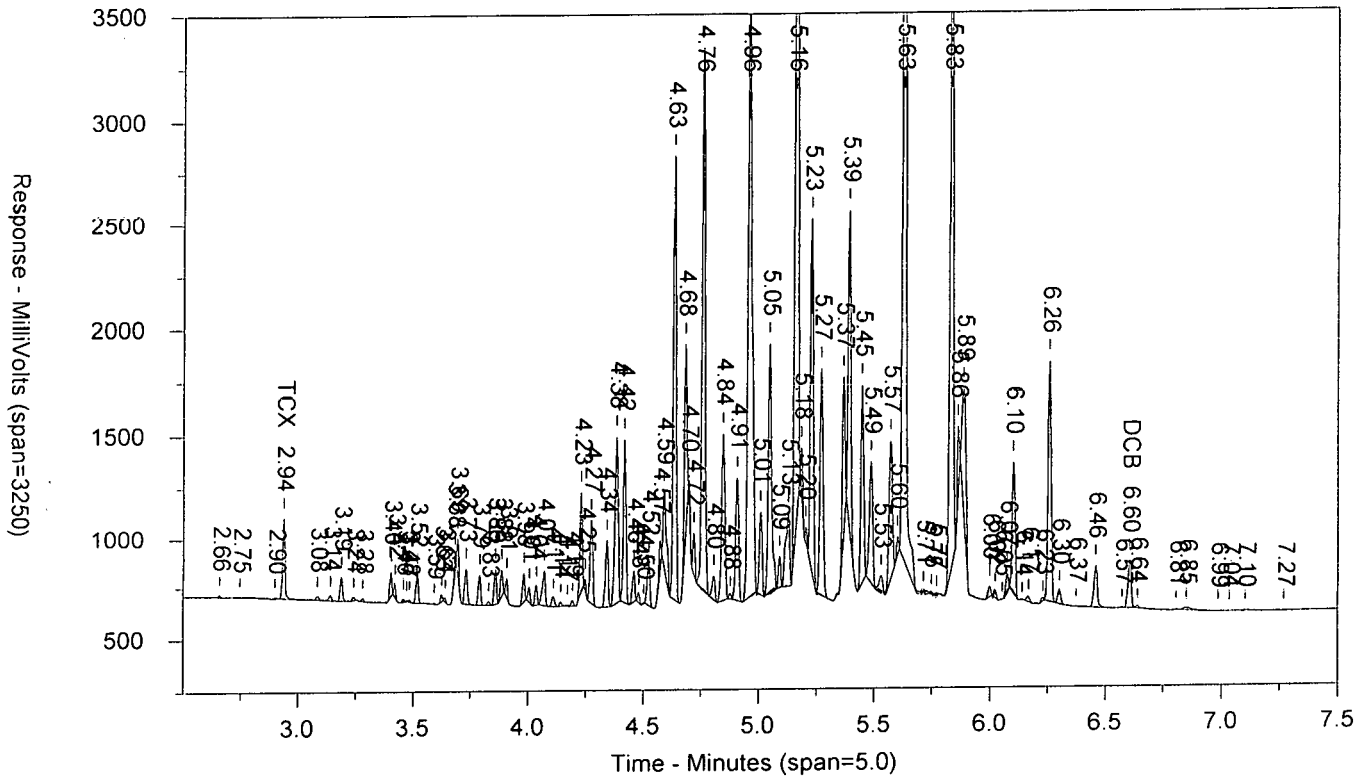

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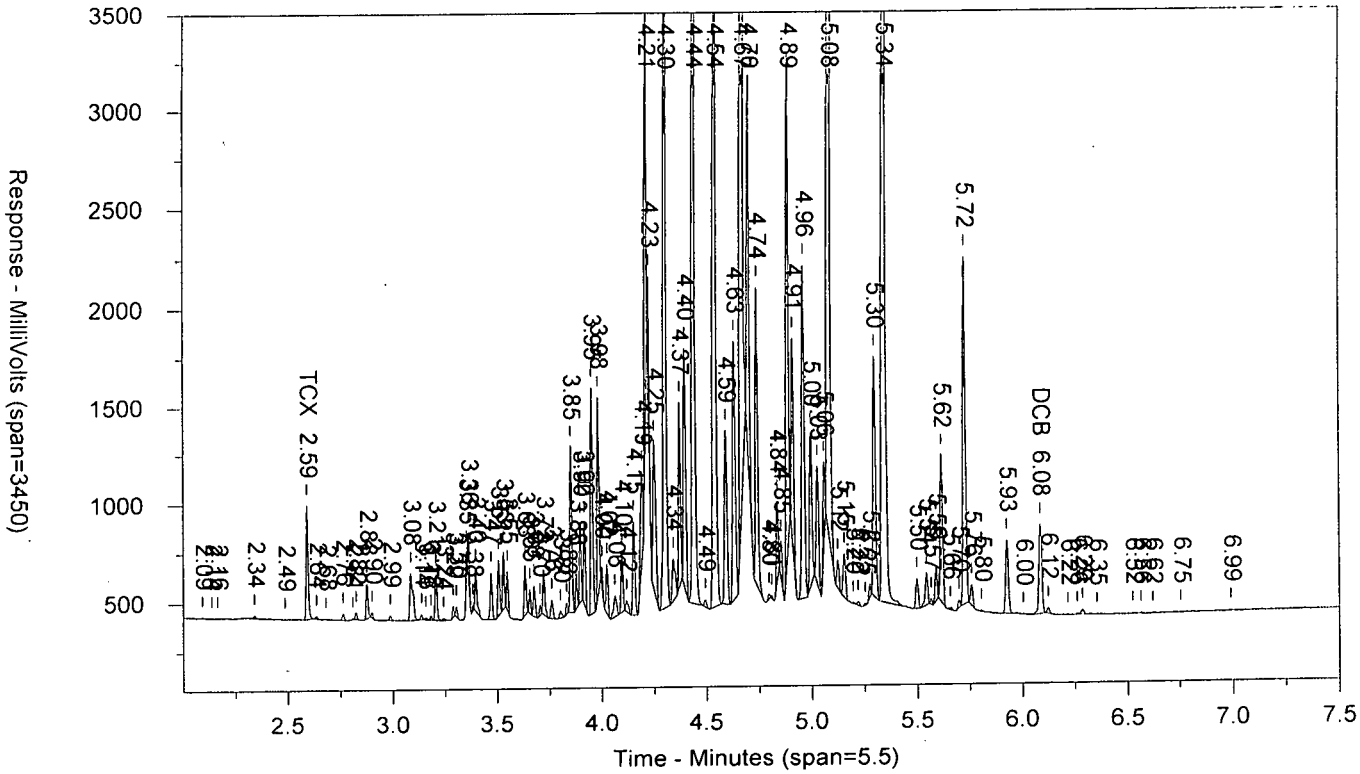

LANCASTER LABORATORIES

Sample Number: 9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:12:58 AM
Sample Weight: 10.07
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
2.937	408663	28.809	TCX	2.592	577589	35.926	TCX
6.603	255833	26.507	DCB	6.084	451243	28.543	DCB

Files:
Area File: 07pcbs17282002.0040.RAW
Area File: 07pcbs17282002B.0040.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 1:21:44 AM
File Reported On: 10/11/2017 at 1:21:56 AM

9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846 808:

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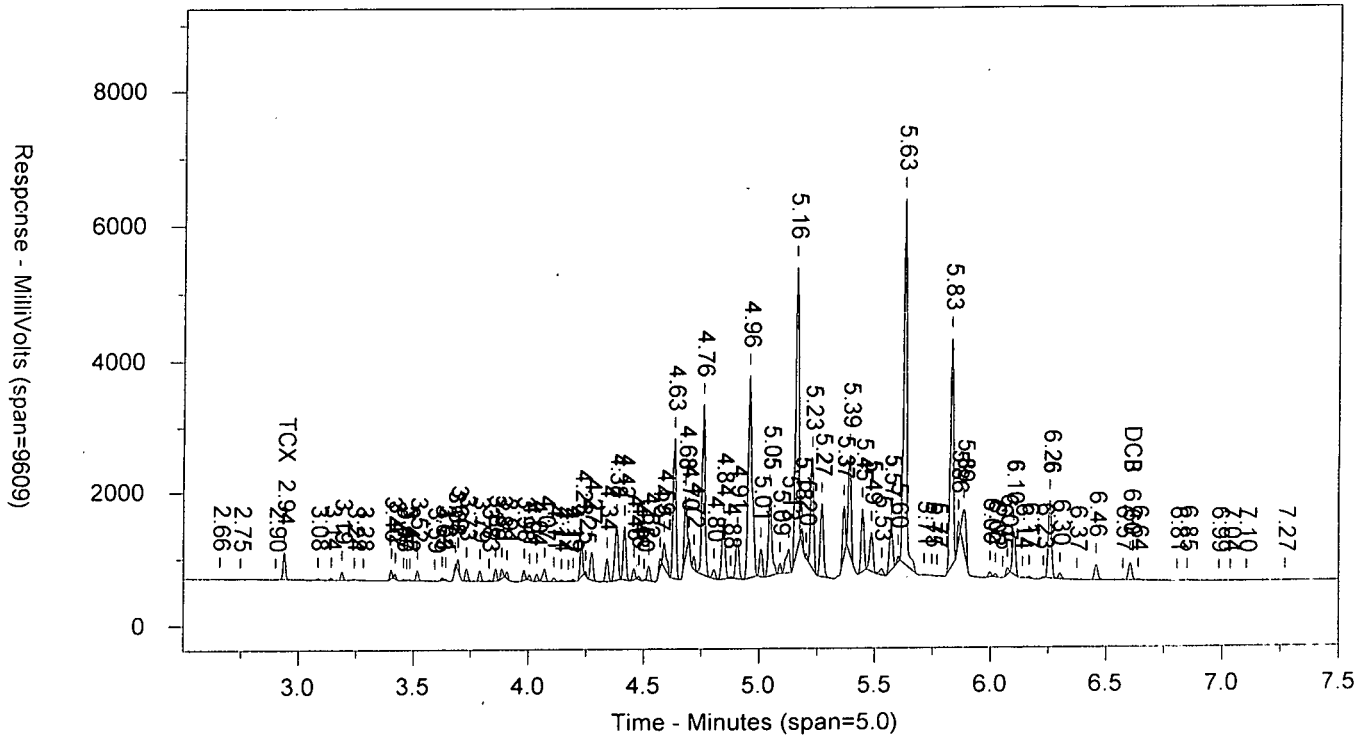

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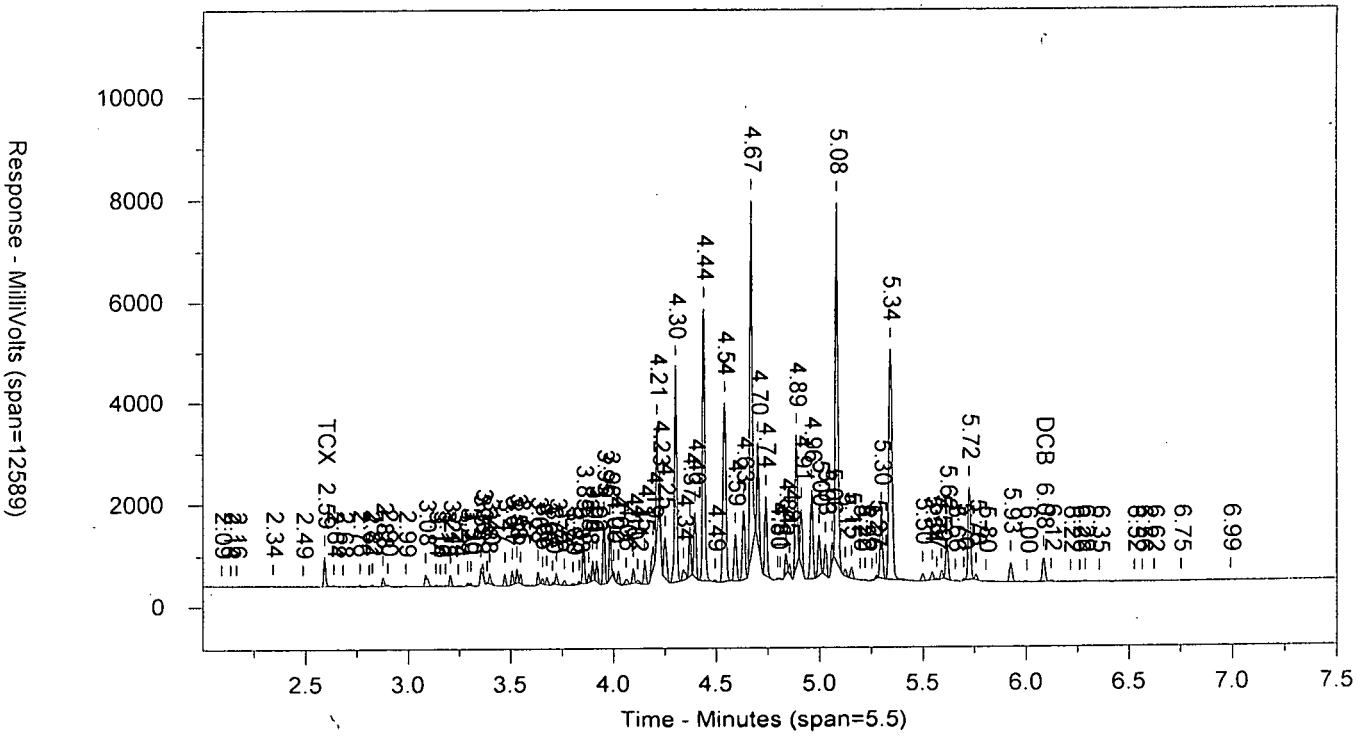

9229401MS ACF DF20 AC96A13 MS 172790009A 10225 SW-846 808

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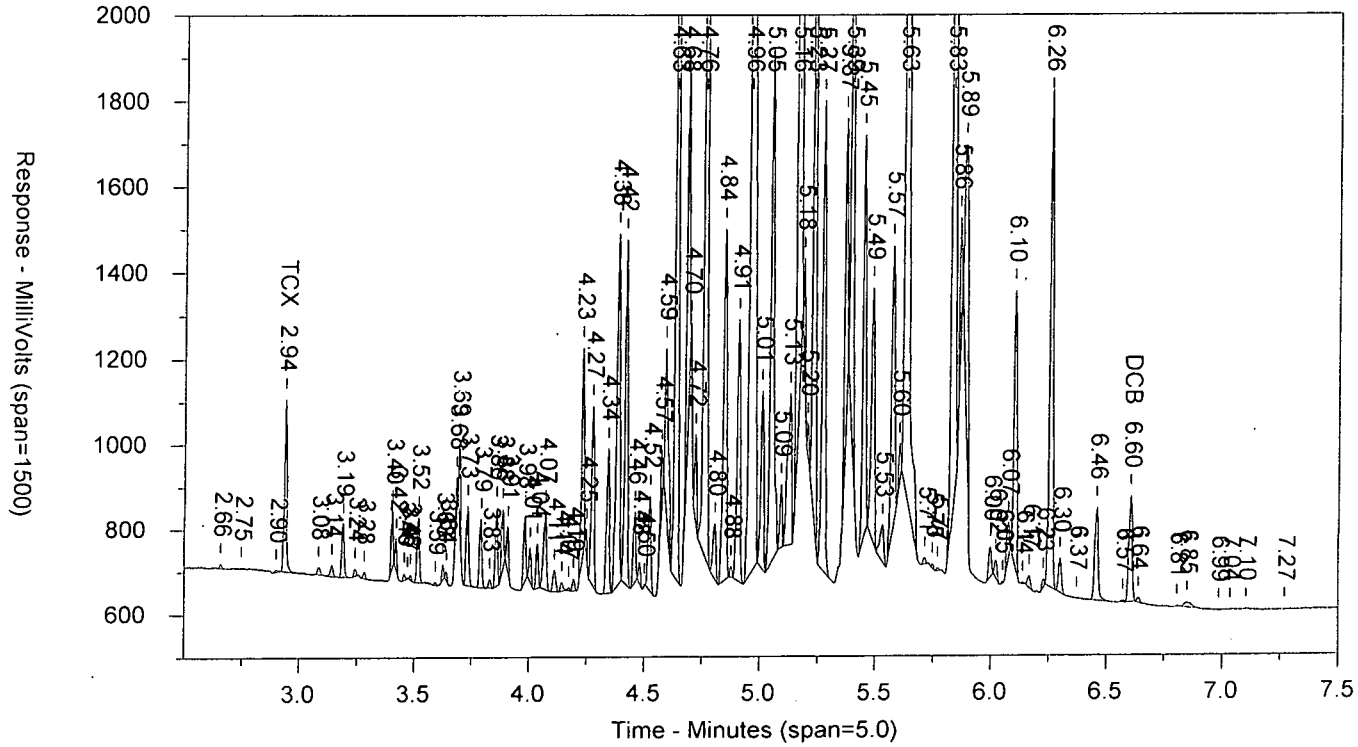

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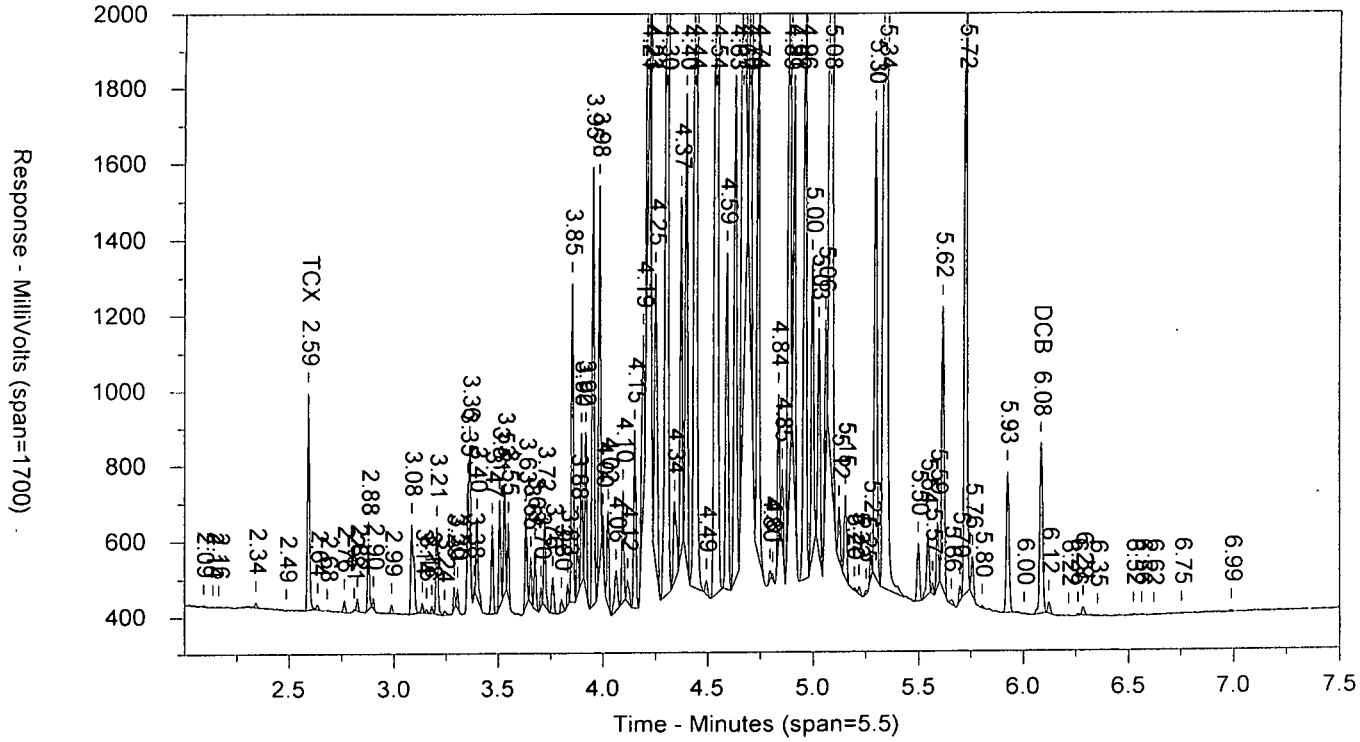

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Data Summary

Sample Name: 9229402 MSD ACF DF20 96A13 MSD Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.12 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:24:30
Instrument	19843A
Result file	07PCBS17282002.0041.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 95% (61 - 152) Conc: 28.82831
%SSR(DCB) 101% (48 - 164) Conc: 27.11671

Analysis Report (B)

Injected on	Oct 11, 2017 01:24:30
Instrument	19843B
Result file	07PCBS17282002B.0041.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 34.71122
%SSR(DCB) 112% (48 - 164) Conc: 29.98162

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	410962	28.82831
Decachlorobiphenyl	6.58	6.60	6.64	263022	27.11671

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	560835	34.71122
Decachlorobiphenyl	6.06	6.08	6.12	476342	29.98162

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	34.71122				18.52	
Tetrachloro-m-xylene-D1	A	28.82831					
Tetrachloro-m-xylene-D2	B	34.71122					
Decachlorobiphenyl	B	29.98162				10.04	
Decachlorobiphenyl-D1	A	27.11671					
Decachlorobiphenyl-D2	B	29.98162					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**8.59**	
3.17	3.19	3.21	132217.7	529.78237			1
3.38	3.40	3.42	130614.7	508.978392			2
3.50	3.52	3.54	161820	525.34054			3
3.71	3.73	3.75	188024.2	507.875611			4
3.77	3.79	3.81	166788.3	523.276522			5
3.96	3.98	4.00	152411.4	630.062691			6
Height summation:			**931876.3000000002**				
Concentration		CF:	**537.552688**	L:			
Aroclor-1260						**11.90**	
4.74	4.76	4.78	2957939	5446.860758			1
4.94	4.96	4.98	3390838	6388.149336			2
5.14	5.16	5.18	4804402	7476.083445			3
5.37	5.39	5.41	1981068	5563.178907			4
5.61	5.63	5.65	7124802	6661.304206			5
5.81	5.83	5.85	4645894	6197.467175			6
Height summation:			**24904943**				
Concentration		CF:	**6288.840638**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**25.89**	
2.86	2.88	2.90	172734.2	607.050256			1
3.19	3.21	3.23	224698.9	650.557486			2
3.38	3.40	3.42	189385.8	546.508427			3
3.45	3.47	3.49	234477.8	625.551303			4
3.51	3.53	3.55	286463.6	1050.723459			5
3.61	3.63	3.65	245223.1	779.778386			6
Height summation:			**1352983.4**				
Concentration		CF:	**710.02822**	L:			
Aroclor-1260						**13.92**	
4.42	4.44	4.46	5941332	7583.109131			1
4.52	4.54	4.56	3960333	6602.403364			2
4.65	4.67	4.69	7241424	9559.855169			3
4.87	4.89	4.91	3491898	6708.366482			4
5.06	5.08	5.10	9801973	7986.661477			5
5.32	5.34	5.36	6297604	7749.625927			6
Height summation:			**36734564**				
Concentration		CF:	**7698.336925**	L:			

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:01

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Data Summary

Sample Name: 9229402 MSD ACF DF20 96A13 MSD Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.12 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 01:24:30
Instrument	19843A
Result file	07PCBS17282002.0041.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 11, 2017 01:24:30
Instrument	19843B
Result file	07PCBS17282002B.0041.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	537.552688	<1007.9051	195.6522		27.65	4	
PCB-1221			<1007.9051	<302.3715			3	
PCB-1232			<1007.9051	<243.083			4	
PCB-1242			<1007.9051	<243.083			4	
PCB-1248			<1007.9051	<195.6522			4	
PCB-1254			<1007.9051	<260.8696			4	
PCB-1260	A	6288.840638	1007.9051	231.2253		20.15	4	
PCB-1262			<1007.9051	<195.6522			4	
PCB-1268			<1007.9051	<195.6522			4	
Total PCBs	A	6826.393326	1007.9051	195.6522				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:43:01

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229402** MSD ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.12 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0041.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.82831
%SSR(DCB) : 101% (48-164) Conc.: 27.11671

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	8.59	
3.17	3.19	3.21	132217.7	529.78237			1
3.38	3.40	3.42	130614.7	508.978392			2
+ 3.38	3.42	3.42	66647.66	259.712106			2
3.50	3.52	3.54	161820	525.34054			3
3.71	3.73	3.75	188024.2	507.875611			4
3.77	3.79	3.81	166788.3	523.276522			5
3.96	3.98	4.00	152411.4	630.062691			6
Height Summation:			931876.3				
Amount Avg CF:			537.552688	Linear:			
Aroclor-1221					3	45.93	
3.07	3.08	3.11	18298.3	148.274893			1
3.12	3.14	3.16	26779.88	242.643527			2
3.17	3.19	3.21	132217.7	383.996599			3
Height Summation:			177205.88				
Amount Avg CF:			258.305006	Linear:			
Aroclor-1232					6	31.28	
3.17	3.19	3.21	132217.7	464.136047			1
3.38	3.40	3.42	130614.7	1106.479367			2
+ 3.38	3.42	3.42	66647.66	564.593883			2
3.50	3.52	3.54	161820	1135.654995			3
3.71	3.73	3.75	188024.2	1096.874064			4
3.77	3.79	3.81	166788.3	1171.262806			5
3.96	3.98	4.00	152411.4	1502.06918			6
Height Summation:			931876.3				
Amount Avg CF:			1079.412743	Linear:			
Aroclor-1242					6	8.55	
3.17	3.19	3.21	132217.7	400.274819			1
3.38	3.40	3.42	130614.7	393.482229			2
+ 3.38	3.42	3.42	66647.66	200.778854			2
3.50	3.52	3.54	161820	398.91773			3
3.71	3.73	3.75	188024.2	388.811541			4
3.77	3.79	3.81	166788.3	385.103599			5
3.96	3.98	4.00	152411.4	477.394216			6
Height Summation:			931876.3				
Amount Avg CF:			407.330689	Linear:			
Aroclor-1248					6	48.51	
3.71	3.73	3.75	188024.2	1113.268866			1
3.77	3.79	3.81	166788.3	903.457318			2
3.84	3.86	3.88	183421.8	583.720526			3
3.96	3.98	4.00	152411.4	428.667858			4
4.05	4.07	4.09	179199.6	583.805989			5
4.23	4.23	4.27	519070.6	1540.842611			6
+ 4.23	4.25	4.27	50984.7	151.346268			6
Height Summation:			1388915.9				
Amount Avg CF:			858.960528	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0041.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 34.71122
%SSR(DCB) : 112% (48-164) Conc.: 29.98162

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	25.89	
2.86	2.88	2.90	172734.2	607.050256			1
3.19	3.21	3.23	224698.9	650.557486			2
+ 3.38	3.38	3.42	26715.87	77.093679			3
3.38	3.40	3.42	189385.8	546.508427			3
3.45	3.47	3.49	234477.8	625.551303			4
3.51	3.53	3.55	286463.6	1050.723459			5
+ 3.51	3.55	3.55	176350.2	646.837127			5
3.61	3.63	3.65	245223.1	779.778386			6
Height Summation:			1352983.4				
Amount Avg CF:			710.028219	Linear:			
Aroclor-1221					3	37.50	
2.74	2.76	2.78	32857.21	172.438257			1
+ 2.81	2.81	2.85	5587.675	46.672978			2
2.81	2.82	2.85	33751.16	281.918178			2
2.86	2.88	2.90	172734.2	381.293202			3
Height Summation:			239342.57				
Amount Avg CF:			278.549879	Linear:			
Aroclor-1232					6	51.95	
2.86	2.88	2.90	172734.2	476.557463			1
3.19	3.21	3.23	224698.9	1274.625123			2
+ 3.38	3.38	3.42	26715.87	153.594765			3
3.38	3.40	3.42	189385.8	1088.816025			3
3.45	3.47	3.49	234477.8	1396.751266			4
3.51	3.53	3.55	286463.6	2723.70225			5
+ 3.51	3.55	3.55	176350.2	1676.741605			5
3.61	3.63	3.65	245223.1	1947.438419			6
Height Summation:			1352983.4				
Amount Avg CF:			1484.648424	Linear:			
Aroclor-1242					6	26.45	
2.86	2.88	2.90	172734.2	484.897465			1
3.19	3.21	3.23	224698.9	510.631587			2
+ 3.38	3.38	3.42	26715.87	60.808671			3
3.38	3.40	3.42	189385.8	431.065832			3
3.45	3.47	3.49	234477.8	488.753855			4
3.51	3.53	3.55	286463.6	838.177523			5
+ 3.51	3.55	3.55	176350.2	515.991469			5
3.61	3.63	3.65	245223.1	616.230705			6
Height Summation:			1352983.4				
Amount Avg CF:			561.626161	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229402** MSD ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.12 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0041.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	89.49	
+ 4.55	4.57	4.59	100690.3	247.974628			1
4.55	4.59	4.59	410115.9	1010.01127			1
4.62	4.63	4.65	1919653	2435.210455			2
4.74	4.76	4.78	2957939	12468.878866			3
4.83	4.85	4.87	682289.5	1566.189092			4
5.03	5.05	5.06	1327755	5003.776708			5
5.14	5.16	5.18	4804402	11185.623606			6
Height Summation:			**12102154.4**				
Amount Avg CF:			**5611.615**	Linear:			
Aroclor-1260					6	11.90	
4.74	4.76	4.78	2957939	5446.860758			1
4.94	4.96	4.98	3390838	6388.149336			2
5.14	5.16	5.18	4804402	7476.083445			3
5.37	5.39	5.41	1981068	5563.178907			4
5.61	5.63	5.65	7124802	6661.304206			5
5.81	5.83	5.85	4645894	6197.467175			6
Height Summation:			**24904943**				
Amount Avg CF:			**6288.840638**	Linear:			
Aroclor-1262					6	36.58	
5.21	5.23	5.25	2267239	3460.403886			1
E 5.37	5.39	5.41	1981068	4261.845058			2
E 5.61	5.63	5.65	7124802	5828.753194			3
E 5.81	5.83	5.85	4645894	4787.089314			4
5.87	5.89	5.91	874696.3	1744.819678			5
6.24	6.26	6.28	1571177	3149.997607			6
Height Summation:			**18464876.3**				
Amount Avg CF:			**3872.151456**	Linear:			
Aroclor-1268					6	95.61	
5.81	5.83	5.85	4645894	2580.142027			1
5.87	5.89	5.91	874696.3	508.70839			2
6.00	6.02	6.04	61524.09	39.704147			3
+ 6.07	6.08	6.11	102617	269.987352			4
6.07	6.10	6.11	799652.9	2103.902563			4
6.24	6.26	6.28	1571177	2923.65192			5
6.44	6.46	6.48	302312.2	75.891938			6
Height Summation:			**8255256.49**				
Amount Avg CF:			**1372.000164**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0041.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	103.09	
3.49	3.51	3.53	261853.1	687.264023			1
3.61	3.63	3.65	245223.1	541.870664			2
+ 3.70	3.70	3.74	49999.78	155.069995			3
3.70	3.72	3.74	223820.7	694.160552			3
3.84	3.85	3.88	849786.1	1402.387388			4
3.97	3.98	4.01	798232.1	2560.297664			5
+ 3.97	4.00	4.01	91427.16	293.248974			5
+ 4.19	4.19	4.23	498262	1734.188506			6
4.19	4.21	4.23	1632651	5682.401224			6
+ 4.19	4.23	4.23	916746.7	3190.714102			6
Height Summation:			**4011566.1**				
Amount Avg CF:			**1928.063586**	Linear:			
Aroclor-1254					6	104.60	
4.13	4.15	4.17	399391.8	820.848801			1
4.19	4.21	4.23	1632651	1931.481061			2
+ 4.19	4.23	4.23	916746.7	1084.542189			2
4.29	4.30	4.32	4795614	11578.08553			3
4.35	4.37	4.39	721786.2	1451.584143			4
4.57	4.59	4.61	840721.8	2251.189824			5
4.65	4.67	4.69	7241424	11504.550458			6
Height Summation:			**15631588.8**				
Amount Avg CF:			**4922.956636**	Linear:			
Aroclor-1260					6	13.92	
4.42	4.44	4.46	5941332	7583.109131			1
4.52	4.54	4.56	3960333	6602.403364			2
4.65	4.67	4.69	7241424	9559.855169			3
4.87	4.89	4.91	3491898	6708.366482			4
5.06	5.08	5.10	9801973	7986.661477			5
5.32	5.34	5.36	6297604	7749.625927			6
Height Summation:			**36734564**				
Amount Avg CF:			**7698.336925**	Linear:			
Aroclor-1262					6	29.84	
4.68	4.70	4.72	2866722	3399.714624			1
E 4.87	4.89	4.91	3491898	4093.306303			2
E 5.06	5.08	5.10	9801973	5706.506963			3
5.28	5.30	5.32	1741250	2444.824927			4
E 5.33	5.34	5.37	6297604	5358.635403			5
5.71	5.73	5.75	2447016	3703.844631			6
Height Summation:			**26646463**				
Amount Avg CF:			**4117.805475**	Linear:			
Aroclor-1268					6	122.98	
5.28	5.30	5.32	1741250	859.383532			1
5.33	5.34	5.37	6297604	3162.954494			2
5.48	5.50	5.52	149885.1	81.417309			3
5.55	5.57	5.59	43245.72	95.765608			4
5.71	5.73	5.75	2447016	3283.643601			5
5.91	5.93	5.95	483349.2	79.846609			6
Height Summation:			**11162350.02**				
Amount Avg CF:			**1260.501859**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229402** MSD ACF DF20 96A13 Sample ID: AC **Batchnumber: 172790009A**
Sample Amount: 10.12 g Total Volume: 200 ml Analyst: 9065 SDG: ATG96 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0041.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 01:24:30
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0041.RAW
Calibration file : 07PCBS1728201B.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			1007.9051	195.6522		27.65	4	40	
Aroclor-1221			1007.9051	302.3715		7.54	3	40	
Aroclor-1232			1007.9051	243.083		31.61	4	40	
Aroclor-1242			1007.9051	243.083		31.85	4	40	
Aroclor-1248			1007.9051	195.6522		** 76.72	4	40	
Aroclor-1254			1007.9051	260.8696		13.07	4	40	
Aroclor-1260			1007.9051	231.2253		20.15	4	40	
Aroclor-1262			1007.9051	195.6522	E	6.15	4	40	
Aroclor-1268			1007.9051	195.6522		8.47	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:24:30 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: 07pcbs17282002.0041.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.583		12500	12971
1.662		1734	1872
1.689		7604	6713
2.053		5698	7817
2.143		13506	11216
2.21		25500	19329
2.336		8458	9435
2.405		4570	3312
2.495		7338	6783
2.64		2739	2109
2.659		17007	11659
2.813		4203	2249
2.902		5184	4392
2.937	TCX	410962	288133
3.084		18208	16087
3.142		26780	20049
3.189		132218	92727
3.243		16462	10134
3.282		16934	10437
3.403		130615	80124
3.42		66648	35422
3.457		14808	8660
3.484		13840	11396
3.518		161820	117309
3.594		7523	4655
3.627		39679	21257
3.641		20544	9890
3.684		94286	48829
3.695		162193	81290
3.732		188024	148022
3.79		166788	121728
3.832		20959	14817
3.859		183422	127074
3.886		143110	102986
3.907		95622	57559
3.982		152411	106843
4.006		78518	51467
4.037		104467	71572
4.071		179200	169110
4.112		50563	43508
4.144		19392	15500
4.173		6292	3092
4.195		26698	18466
4.23		519071	382145
4.248		50985	23660
4.276		375183	328598
4.342		328532	265720
4.384		800860	803056
4.418		624100	538415
4.459		130332	97158
4.481		44263	28485
4.523		209282	195769
4.573		100690	70451

RT A	Compound A	Height A	Area A
4.589		410116	396504
4.634		1919653	1660156
4.683		1367156	1523793
4.719		242646	155058
4.759		2957939	2687800
4.805		104182	88773
4.845		682290	711661
4.878		26925	16742
4.906		669691	630889
4.957		3390838	4007662
5.007		525621	484695
5.048		1327755	1441968
5.091		116798	74665
5.128		370439	448577
5.162		4804403	4269040
5.184		195965	96721
5.203		79993	37189
5.228		2267239	1966225
5.27		1415169	1354659
5.366		738330	599084
5.391		1981068	1702322
5.448		1181696	1071180
5.486		736530	734038
5.528		112816	113773
5.571		764343	754314
5.602		33428	22622
5.627		7124802	7052703
5.712		8053	4558
5.73		9928	12215
5.775		9400	9387
5.831		4645895	4107853
5.862		323371	232196
5.887		874696	977809
5.998		57924	45731
6.022		61524	48398
6.05		3042	1230
6.075		102617	82182
6.102		799653	723652
6.166		23218	20664
6.198		2338	1731
6.229		12448	7687
6.257		1571177	1541615
6.301		106805	98843
6.344		1831	1245
6.457		302312	306840
6.571		4571	3586
6.604	DCB	263022	259423
6.639		8776	6655
6.817		1483	1575
6.849		9160	19127
7.095		402	639
7.357		1107	915
7.572		1060	482
7.669		1694	619
7.805		1061	396
7.946		1314	466
8.1		1592	309
8.184		1018	321
8.342		1566	1038
8.442		1380	344
8.578		2872	5575

LANCASTER LABORATORIES

Sample Number: 9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:24:30 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: 07pcbs17282002B.0041.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.557		2918	3793
1.724		3277	1888
1.771		5773	5083
1.804		4625	5410
1.85		22946	32533
1.9		13150	15418
1.932		38429	33818
1.963		7925	13872
2.091		6668	9045
2.136		3456	2261
2.156		2079	1922
2.206		2816	2948
2.299		2499	2849
2.341		21717	15073
2.411		2328	1886
2.484		2211	1883
2.592	TCX	560835	363742
2.636		13439	9156
2.683		3988	4112
2.741		2189	906
2.763		32857	19220
2.809		5588	2439
2.825		33751	18383
2.877		172734	107009
2.901		27610	12973
2.987		24240	16620
3.084		237134	235291
3.135		25491	15102
3.156		10471	5951
3.182		19777	10847
3.206		224699	154999
3.244		9770	7885
3.289		54834	28244
3.305		76344	41677
3.355		77984	45608
3.364		246657	107219
3.384		26716	10882
3.397		189386	132845
3.471		234478	152305
3.507		261853	166536
3.53		286464	154188
3.547		176350	94578
3.593		2726	2312
3.633		245223	155748
3.655		115263	62562
3.676		149112	97035
3.704		50000	25249
3.722		223821	146249
3.762		92553	68881
3.802		32815	25298
3.833		51647	28611
3.854		849786	568607
3.879		157020	84700
3.898		351331	200278

3.918		397826	244902
3.953		1117037	778062
3.984		798232	503718
4		91427	42741
4.023		176281	116939
4.063		87652	84221
4.096		249595	171290
4.117		55088	43769
4.153		399392	289086
4.193		498262	366366
4.213		1632651	860373
4.226		916747	431491
4.251		834882	780752
4.303		4795614	3636879
4.34		167873	176139
4.373		721786	466755
4.397		1334455	987538
4.44		5941332	4681910
4.493		22536	14151
4.541		3960333	4145133
4.593		840722	709461
4.632		1462072	1284911
4.668		7241425	6009083
4.701		2866722	1958997
4.739		2015770	1597719
4.797		17977	9969
4.809		10555	5560
4.838		562017	380310
4.856		163273	95661
4.888		3491898	2641282
4.912		894084	599646
4.962		1998903	1821654
4.997		989301	812280
5.028		798120	638669
5.06		278403	174488
5.083		9801973	8079923
5.124		191775	137540
5.154		283414	230468
5.22		16402	10189
5.276		78260	50152
5.299		1741250	1428425
5.343		6297604	6774580
5.498		149885	129049
5.545		200692	160558
5.568		43246	23930
5.59		114457	76953
5.617		1012614	853667
5.698		28799	17279
5.726		2447016	2031743
5.757		133013	99868
5.838		4748	3980
5.926		483349	442168
6.085	DCB	476342	431785
6.122		20966	17359
6.261		7589	5740
6.285		6945	6320
6.529		2215	3229
6.566		4925	5638
6.621		2534	3845
6.739		1400	864
6.818		1388	1624
6.986		1822	1947
7.335		1200	1050
7.517		2852	4171
7.907		3886	5730
7.956		2011	2347
8.059		14544	26103

8.165	9297	18427
8.37	34823	63321

9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 80

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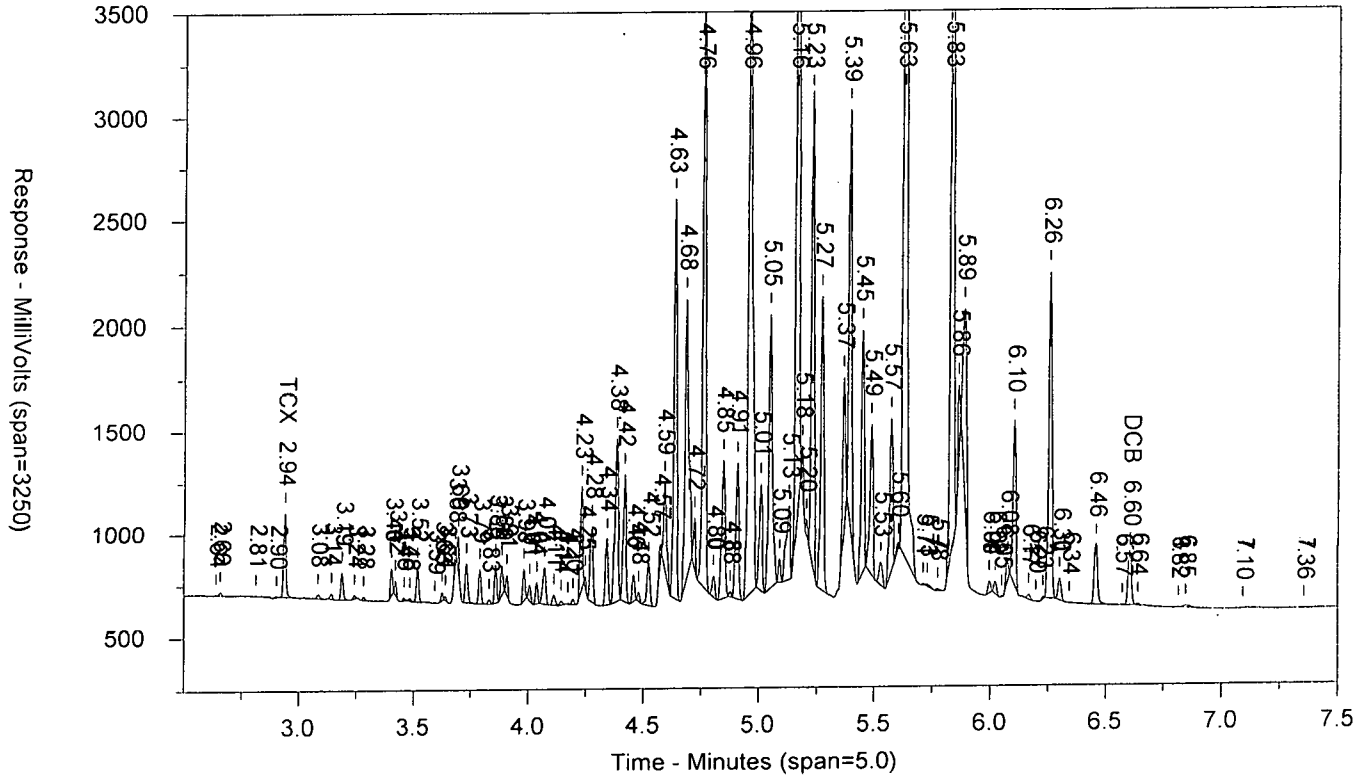

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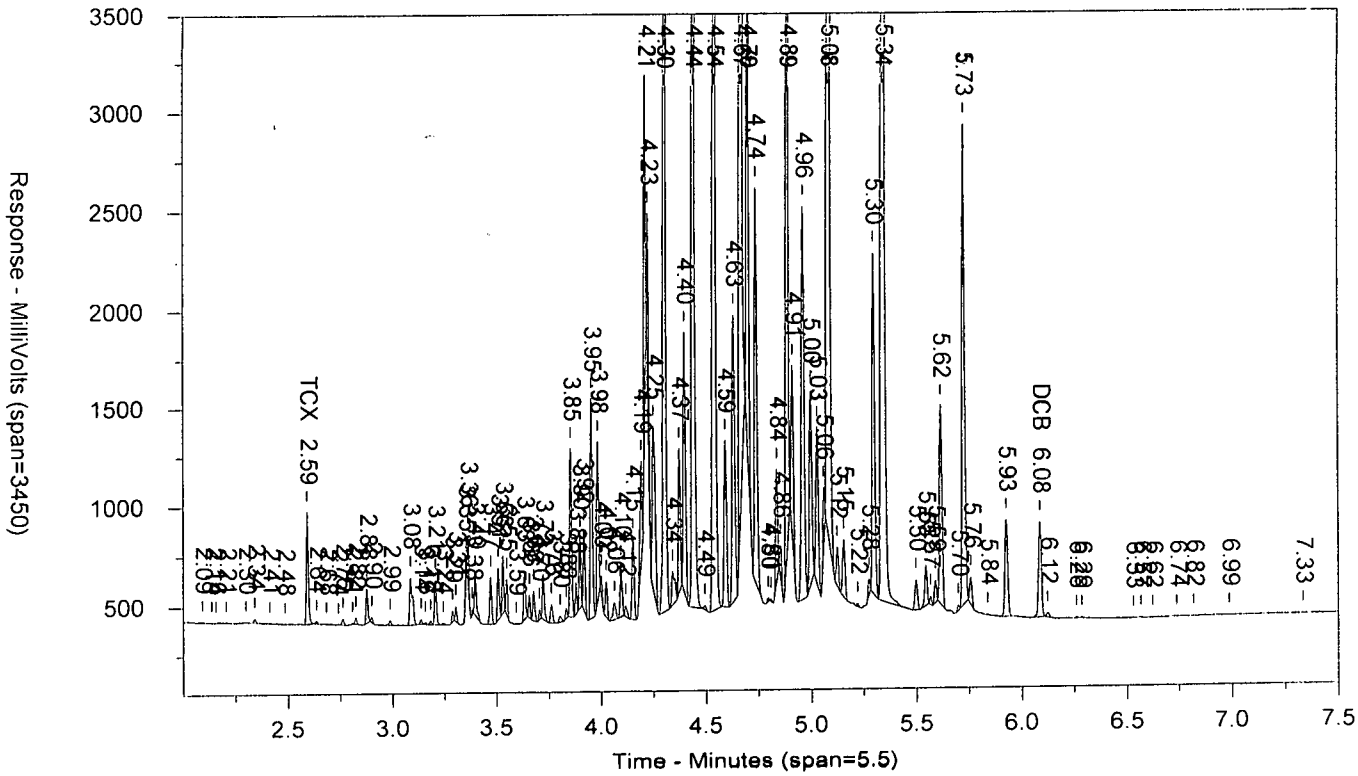

LANCASTER LABORATORIES

Sample Number: 9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 1:24:30 AM Sample Weight: 10.12
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
2.937	410962	28.828	TCX	2.592	560835	34.711	TCX
6.604	263022	27.117	DCB	6.085	476342	29.982	DCB

Files:
Area File: 07pcbs17282002.0041.RAW
Area File: 07pcbs17282002B.0041.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 1:33:13 AM
File Reported On: 10/11/2017 at 1:33:22 AM

9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 80

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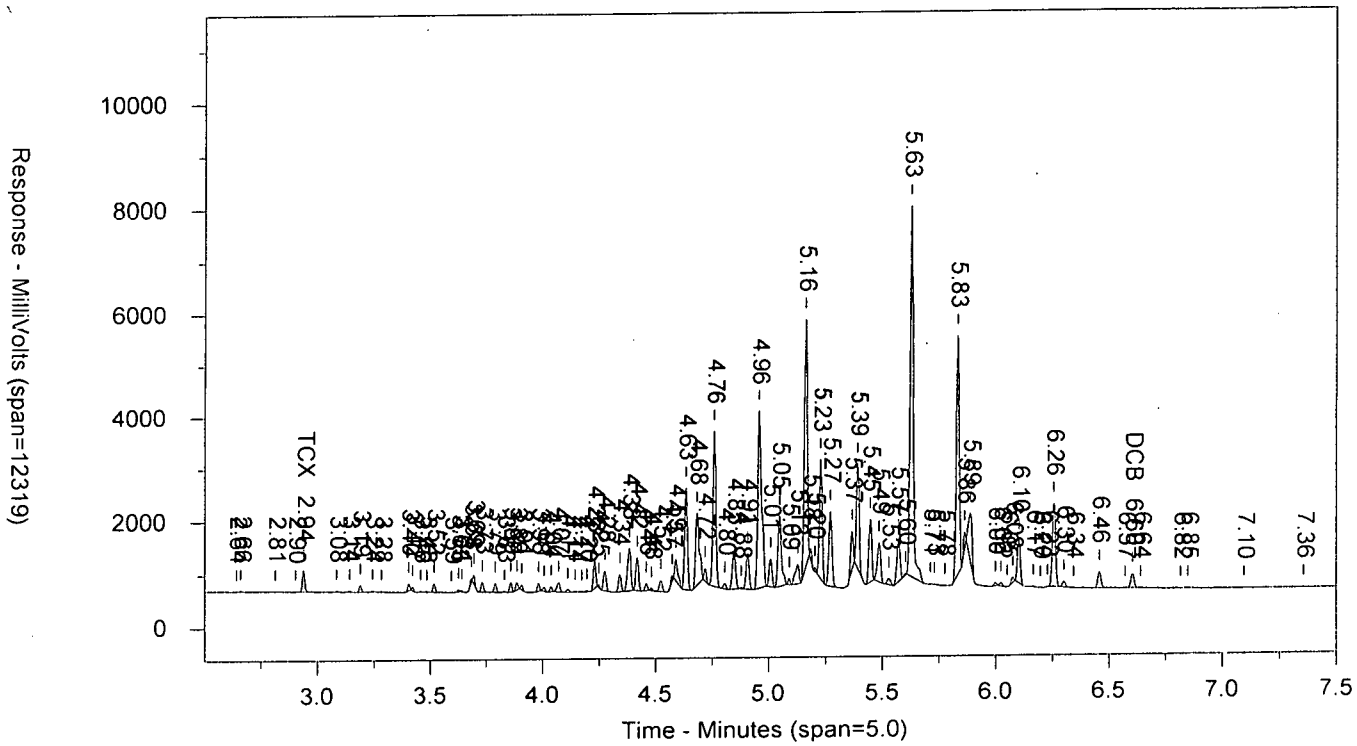

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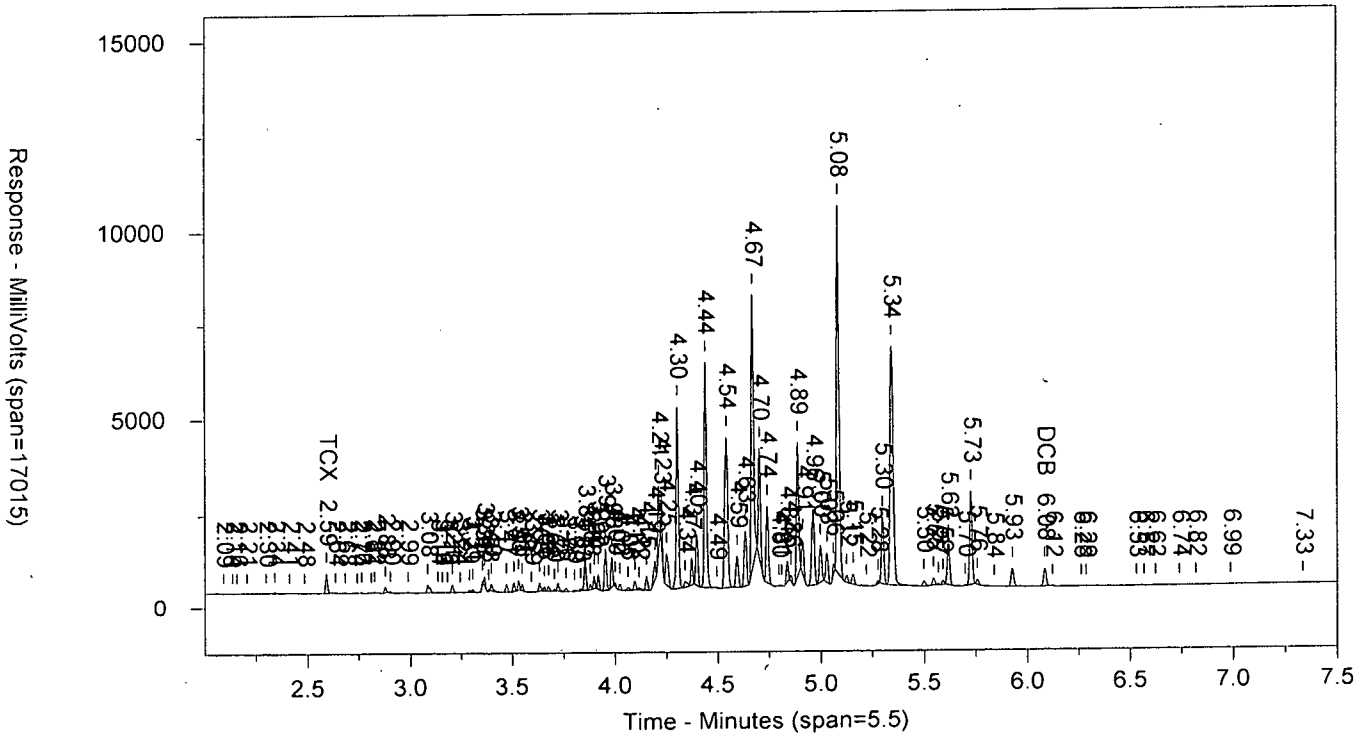

9229402MSD ACF DF20AC96A13 MSD 172790009A 10225 SW-846 80

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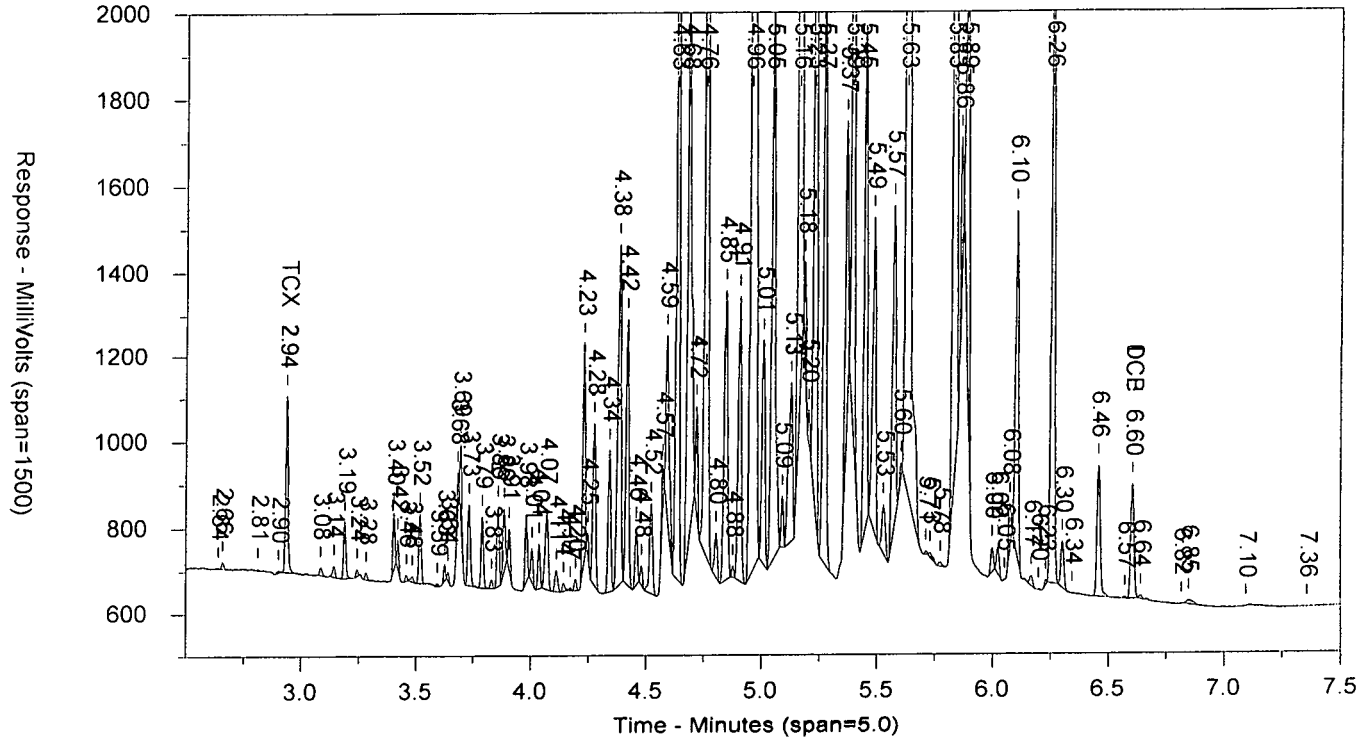

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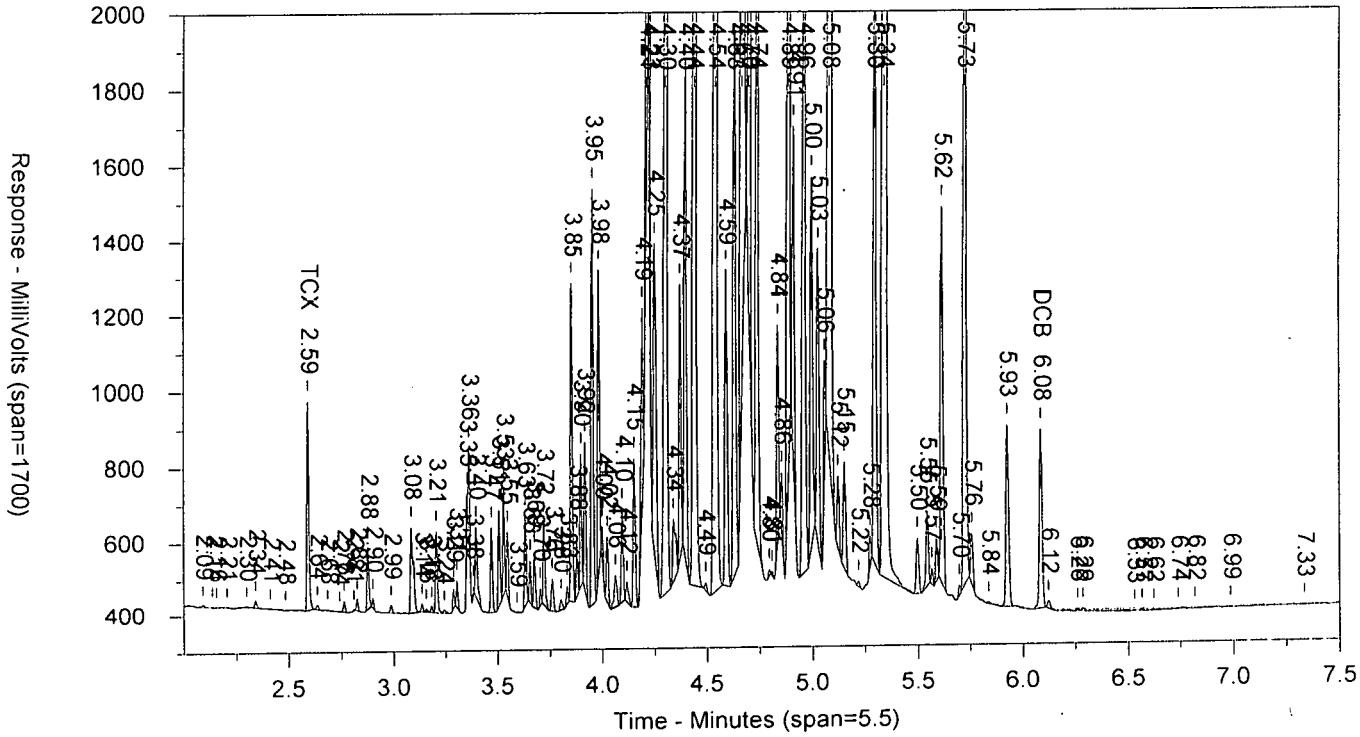

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Data Summary

Sample Name: LCSA 10/7/17 ACF LCS09279 LCS Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 00:50:05
Instrument	19843A
Result file	07PCBS17282002.0038.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

%SSR(TCX) 100% (61 - 152) Conc: 30.606
%SSR(DCB) 90% (48 - 164) Conc: 24.42027

Analysis Report (B)

Injected on	Oct 11, 2017 00:50:05
Instrument	19843B
Result file	07PCBS17282002B.0038.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

%SSR(TCX) 124% (61 - 152) Conc: 37.96732
%SSR(DCB) 101% (48 - 164) Conc: 27.3699

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	8622613	30.606
Decachlorobiphenyl	6.58	6.60	6.64	4681182	24.42027

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	12123400	37.96732
Decachlorobiphenyl	6.06	6.08	6.12	8593819	27.3699

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	37.96732				21.47	
☐ Tetrachloro-m-xylene-D1	A	30.606					
☐ Tetrachloro-m-xylene-D2	B	37.96732					
☐ Decachlorobiphenyl	B	27.3699				11.39	
☐ Decachlorobiphenyl-D1	A	24.42027					
☐ Decachlorobiphenyl-D2	B	27.3699					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.60**	
3.17	3.19	3.21	2207588	447.58595			1
3.38	3.40	3.42	2317250	456.910034			2
3.50	3.52	3.54	2841814	466.825838			3
3.71	3.73	3.75	3471303	474.445846			4
3.77	3.79	3.81	2927475	464.739278			5
3.96	3.98	4.00	2301339	481.390401			6
Height summation:			**16066769**				
Concentration		CF:	**465.316225**	L:			
Aroclor-1260						**5.62**	
4.74	4.76	4.78	5278071	491.793523			1
4.94	4.96	4.98	5414298	516.131887			2
5.14	5.16	5.18	7101947	559.194312			3
5.37	5.39	5.41	3561320	506.040364			4
5.61	5.63	5.65	11442820	541.339916			5
5.81	5.83	5.85	7173030	484.170252			6
Height summation:			**39971486**				
Concentration		CF:	**516.445042**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**7.12**	
2.86	2.88	2.90	2929728	520.983696			1
3.19	3.21	3.23	3841808	562.821793			2
3.38	3.40	3.42	4111949	600.409681			3
3.45	3.47	3.49	4608944	622.175851			4
3.51	3.53	3.55	3348782	621.521815			5
3.61	3.63	3.65	3889826	625.879182			6
Height summation:			**22731037**				
Concentration		CF:	**592.29867**	L:			
Aroclor-1260						**5.48**	
4.42	4.44	4.46	9962518	643.403058			1
4.52	4.54	4.56	7627898	643.466205			2
4.65	4.67	4.69	10096450	674.445019			3
4.87	4.89	4.91	5887317	572.299239			4
5.06	5.08	5.10	15537900	640.611328			5
5.32	5.34	5.36	9875148	614.892961			6
Height summation:			**58987231**				
Concentration		CF:	**631.519635**	L:			

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:53

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Data Summary

Sample Name: LCSA 10/7/17 ACF LCS09279 LCS Sample ID: AB **Batchnumber: 172790009A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 11, 2017 00:50:05
Instrument	19843A
Result file	07PCBS17282002.0038.RAW
Calibration file	07PCBS1728201
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 11, 2017 00:50:05
Instrument	19843B
Result file	07PCBS17282002B.0038.RAW
Calibration file	07PCBS1728201B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	A	465.316225	51	9.9		24.01	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	516.445042	51	11.7		20.05	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	981.761267	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 12 2017

Reviewed and digitally signed by Kirby B Turner on 10/12/2017 11:42:53

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/7/17 ACF LCS09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0038.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

A-side GW

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.60	
3.17	3.19	3.21	2207588	447.58595			1
3.38	3.40	3.42	2317250	456.910034			2
+ 3.38	3.42	3.42	1146075	225.980437			2
3.50	3.52	3.54	2841814	466.825838			3
3.71	3.73	3.75	3471303	474.445846			4
3.77	3.79	3.81	2927475	464.739278			5
3.96	3.98	4.00	2301339	481.390401			6
Height Summation:			16066769				
Amount Avg CF:			465.316224	Linear:			
Aroclor-1221					3	37.91	
3.07	3.08	3.11	356305.4	146.81524			1
E 3.12	3.14	3.16	505325.7	231.676502			2
E 3.17	3.19	3.21	2207588	324.41903			3
Height Summation:			3069219.1				
Amount Avg CF:			234.30359	Linear:			
Aroclor-1232					6	29.03	
E 3.17	3.19	3.21	2207588	392.124739			1
E 3.38	3.40	3.42	2317250	993.286814			2
E+ 3.38	3.42	3.42	1146075	491.263863			2
E 3.50	3.52	3.54	2841814	1009.160829			3
E 3.71	3.73	3.75	3471303	1024.674807			4
E 3.77	3.79	3.81	2927475	1040.237443			5
E 3.96	3.98	4.00	2301339	1147.634504			6
Height Summation:			16066769				
Amount Avg CF:			934.519856	Linear:			
Aroclor-1242					6	3.07	
E 3.17	3.19	3.21	2207588	338.171663			1
E 3.38	3.40	3.42	2317250	353.229099			2
+ 3.38	3.42	3.42	1146075	174.701495			2
E 3.50	3.52	3.54	2841814	354.484548			3
E 3.71	3.73	3.75	3471303	363.2189			4
E 3.77	3.79	3.81	2927475	342.023312			5
E 3.96	3.98	4.00	2301339	364.746233			6
Height Summation:			16066769				
Amount Avg CF:			352.645626	Linear:			
Aroclor-1248					6	70.40	
E 3.71	3.73	3.75	3471303	1039.990458			1
3.77	3.79	3.81	2927475	802.390485			2
3.84	3.86	3.88	2050028	330.114289			3
3.96	3.98	4.00	2301339	327.517555			4
4.05	4.07	4.09	2513593	414.359199			5
4.23	4.25	4.27	576473.4	86.588784			6
Height Summation:			13840211.4				
Amount Avg CF:			500.160128	Linear:			

Bad

Analysis Report (B)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0038.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	7.12	
2.86	2.88	2.90	2929728	520.983696			1
3.19	3.21	3.23	3841808	562.821793			2
+ 3.38	3.38	3.42	128932.2	18.826143			3
3.38	3.40	3.42	4111949	600.409681			3
3.45	3.47	3.49	4608944	622.175851			4
3.51	3.53	3.55	3348782	621.521815			5
+ 3.51	3.55	3.55	1028576	190.899982			5
3.61	3.63	3.65	3889826	625.879182			6
Height Summation:			22731037				
Amount Avg CF:			592.29867	Linear:			
Aroclor-1221					3	37.72	
2.74	2.76	2.78	556288.1	147.724738			1
+ 2.81	2.81	2.85	94369.09	39.885465			2
E 2.81	2.82	2.85	565501.4	239.011379			2
E 2.86	2.88	2.90	2929728	327.234095			3
Height Summation:			4051517.5				
Amount Avg CF:			237.990071	Linear:			
Aroclor-1232					6	36.36	
E 2.86	2.88	2.90	2929728	408.99195			1
E 3.19	3.21	3.23	3841808	1102.726221			2
+ 3.38	3.38	3.42	128932.2	37.507576			3
E 3.38	3.40	3.42	4111949	1196.204213			3
E 3.45	3.47	3.49	4608944	1389.214447			4
E 3.51	3.53	3.55	3348782	1611.118845			5
E+ 3.51	3.55	3.55	1028576	494.854003			5
E 3.61	3.63	3.65	3889826	1563.086625			6
Height Summation:			22731037				
Amount Avg CF:			1211.890384	Linear:			
Aroclor-1242					6	6.90	
E 2.86	2.88	2.90	2929728	416.149521			1
E 3.19	3.21	3.23	3841808	441.766626			2
+ 3.38	3.38	3.42	128932.2	14.849372			3
E 3.38	3.40	3.42	4111949	473.581168			3
E 3.45	3.47	3.49	4608944	486.116558			4
E 3.51	3.53	3.55	3348782	495.797073			5
+ 3.51	3.55	3.55	1028576	152.283717			5
E 3.61	3.63	3.65	3889826	494.609721			6
Height Summation:			22731037				
Amount Avg CF:			468.003444	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/7/17 ACF LCS09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0038.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**97.12**	
+ 4.55	4.57	4.59	371333.7	46.273729			1
4.55	4.59	4.59	603343.9	75.185667			1
4.62	4.63	4.65	1820499	116.856999			2
E 4.74	4.76	4.78	5278071	1125.80698			3
4.83	4.84	4.87	898604.2	104.374514			4
5.03	5.05	5.06	2478658	472.658095			5
5.14	5.16	5.18	7101947	836.659614			6
+ 5.14	5.18	5.18	314643.2	37.067196			6
Height Summation:			**18181123.1**				
Amount Avg CF:			**455.256978**	Linear:			
Aroclor-1260					**6**	**5.62**	
4.74	4.76	4.78	5278071	491.793523			1
4.94	4.96	4.98	5414298	516.131887			2
5.14	5.16	5.18	7101947	559.194312			3
+ 5.14	5.18	5.18	314643.2	24.77443			3
5.37	5.39	5.41	3561320	506.040364			4
5.61	5.63	5.65	11442820	541.339916			5
5.81	5.83	5.85	7173030	484.170252			6
Height Summation:			**39971486**				
Amount Avg CF:			**516.445042**	Linear:			
Aroclor-1262					**6**	**34.34**	
E 5.21	5.23	5.25	3831051	295.86796			1
E 5.37	5.39	5.41	3561320	387.667853			2
E 5.61	5.63	5.65	11442820	473.681529			3
E 5.81	5.83	5.85	7173030	373.986045			4
5.87	5.89	5.91	1584968	159.979478			5
E 6.24	6.25	6.28	2483921	251.984256			6
Height Summation:			**30077110**				
Amount Avg CF:			**323.861187**	Linear:			
Aroclor-1268					**6**	**94.09**	
E 5.81	5.83	5.85	7173030	201.570735			1
5.87	5.89	5.91	1584968	46.642587			2
6.00	6.02	6.04	173891.3	5.678309			3
+ 6.07	6.07	6.11	127020.1	16.910135			4
6.07	6.10	6.11	1070686	142.539997			4
E 6.24	6.25	6.28	2483921	233.877719			5
6.44	6.45	6.48	609931.5	7.747678			6
Height Summation:			**13096427.8**				
Amount Avg CF:			**106.342838**	Linear:			

Analysis Report (B)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0038.RAW
Calibration file : 07PCBS1728201B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**45.89**	
3.49	3.51	3.53	3094510	410.968275			1
3.61	3.63	3.65	3889826	434.925581			2
+ 3.70	3.70	3.74	925062.4	145.171454			3
3.70	3.72	3.74	3419046	536.556105			3
3.84	3.85	3.88	4580463	382.488402			4
+ 3.97	3.98	4.01	173111	28.09548			5
3.97	4.00	4.01	247193.9	40.118948			5
+ 4.19	4.21	4.23	1001873	176.4419			6
4.19	4.22	4.23	2461349	433.473199			6
Height Summation:			**17692387.9**				
Amount Avg CF:			**373.088418**	Linear:			
Aroclor-1254					**6**	**107.78**	
4.13	4.15	4.17	1032469	107.372128			1
+ 4.19	4.21	4.23	1001873	59.973623			2
4.19	4.22	4.23	2461349	147.340049			2
E 4.29	4.30	4.32	8018490	979.570376			3
4.35	4.37	4.39	836675.2	85.141452			4
4.57	4.59	4.61	952286.7	129.026241			5
4.65	4.67	4.69	10096450	811.642709			6
Height Summation:			**23397719.9**				
Amount Avg CF:			**376.682159**	Linear:			
Aroclor-1260					**6**	**5.48**	
4.42	4.44	4.46	9962518	643.403058			1
4.52	4.54	4.56	7627898	643.466205			2
4.65	4.67	4.69	10096450	674.445019			3
4.87	4.89	4.91	5887317	572.299239			4
5.06	5.08	5.10	15537900	640.611328			5
5.32	5.34	5.36	9875148	614.892961			6
Height Summation:			**58987231**				
Amount Avg CF:			**631.519635**	Linear:			
Aroclor-1262					**6**	**28.43**	
E 4.68	4.70	4.72	4826806	289.645806			1
E 4.87	4.89	4.91	5887317	349.205144			2
E 5.06	5.08	5.10	15537900	457.719788			3
E 5.28	5.30	5.32	2862330	203.355936			4
E 5.33	5.34	5.37	9875148	425.18016			5
E 5.71	5.72	5.75	3713056	284.379291			6
Height Summation:			**42702557**				
Amount Avg CF:			**334.914354**	Linear:			
Aroclor-1268					**6**	**118.68**	
5.28	5.30	5.32	2862330	71.481905			1
E 5.33	5.34	5.37	9875148	250.964172			2
5.48	5.50	5.52	213477.4	5.867603			3
5.55	5.57	5.59	133492.2	14.957976			4
E 5.71	5.72	5.75	3713056	252.116472			5
5.91	5.92	5.95	980143.2	8.19286			6
Height Summation:			**17777646.8**				
Amount Avg CF:			**100.596831**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10** /7/17 ACF LCS09279 Sample ID: AB **Batchnumber: 172790009A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843A
Result file : 07PCBS17282002.0038.RAW
Calibration file : 07PCBS1728201.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 11, 2017 00:50:05
Instrument : CP 7--19843B
Result file : 07PCBS17282002B.0038.RAW
Calibration file : 07PCBS1728201B.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						24.01	4	40	
Aroclor-1221						1.56	3	40	
Aroclor-1232						25.85	4	40	
Aroclor-1242						28.11	4	40	
Aroclor-1248						29.10	4	40	
Aroclor-1254						18.89	4	40	
Aroclor-1260						20.05	4	40	
Aroclor-1262						3.36	4	40	
Aroclor-1268						5.55	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:50:05 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: 07pcbs17282002.0038.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728201.CAL

RT A	Compound A	Height A	Area A
1.536		5270	4315
1.602		34495	64789
1.689		47048	54478
1.745		6940	5913
1.942		2995	2054
2.006		30308	30946
2.05		21427	29178
2.087		14866	26073
2.143		427374	373297
2.211		21892	23236
2.238		12815	13285
2.333		26654	21903
2.402		511273	362859
2.449		10923	8027
2.494		11874	10748
2.515		33585	26593
2.575		21146	16362
2.601		6057	3528
2.669		11377	9465
2.694		2420	1072
2.711		5607	3909
2.753		23764	29184
2.8		15481	14194
2.85		4379	2030
2.878		4907	2663
2.898		3489	2961
2.937	TCX	8622613	5832256
2.998		4696	4425
3.084		356305	309847
3.141		505326	406967
3.188		2207588	1508461
3.264		12957	5922
3.281		293636	188922
3.323		6889	4773
3.402		2317250	1360450
3.418		1146075	595058
3.455		294145	168603
3.471		37217	13370
3.482		178387	90757
3.516		2841814	2007215
3.552		20045	11001
3.566		10758	5200
3.591		138022	99709
3.625		654116	375364
3.639		359719	174867
3.66		27419	11213
3.682		1629227	821280
3.693		3273369	1578024
3.73		3471303	2547689
3.789		2927475	2228445
3.83		246529	169767
3.857		2050028	1451736
3.884		1472821	1173443

RT A	Compound A	Height A	Area A
3.905		459449	233745
3.98		2301339	1582410
4.004		834750	553717
4.035		877421	635345
4.069		2513593	2296835
4.108		754700	604505
4.155		122570	97664
4.194		159382	120480
4.228		2507052	1752484
4.247		576473	304155
4.27		739386	564248
4.34		418060	360662
4.383		2616844	2516411
4.417		103074	71204
4.455		5717	3792
4.479		24916	18024
4.521		205958	180072
4.571		371334	245665
4.588		603344	406242
4.633		1820499	1589431
4.681		2529078	2731625
4.717		579351	410040
4.757		5278071	4777149
4.802		28397	21664
4.843		898604	897007
4.875		45112	29524
4.904		883035	808309
4.956		5414299	6527005
5.007		922860	879244
5.046		2478659	2685784
5.088		21548	10401
5.127		522480	621942
5.16		7101947	6267824
5.183		314643	174578
5.202		81903	33899
5.227		3831051	3427402
5.27		2403280	2215133
5.364		890365	732023
5.389		3561320	2993146
5.446		1894681	1687688
5.485		1096760	1149223
5.527		212998	226757
5.568		1518277	1648664
5.626		11442830	11656810
5.76		3663	6371
5.83		7173030	6575748
5.861		459270	309954
5.885		1584968	1711644
5.997		2910	1110
6.021		173891	165156
6.074		127020	106493
6.1		1070687	975717
6.254		2483921	2375027
6.298		162737	154290
6.455		609932	595749
6.52		2649	1974
6.601	DCB	4681182	4636731
7.083		1025	372
7.263		1217	344
7.289		2097	860
7.302		1262	411
7.381		1400	706
7.531		918	480
7.841		1067	498
7.864		1144	611
7.893		1397	395

RT A	Compound A	Height A	Area A
8.471		859	583
8.566		1946	1780
8.66		1446	1149

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:50:05 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: 07pcbs17282002B.0038.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728201B.CAL

RT B	Compound B	Height B	Area A
1.511		2310	1640
1.532		5704	8659
1.604		3354	2212
1.738		32896	46738
1.803		19974	22106
1.852		533607	475997
1.902		49669	76703
1.968		31417	36739
2.02		8127	13388
2.094		703682	513481
2.178		42834	38468
2.21		4169	4048
2.242		7663	5170
2.277		30928	19508
2.307		11230	7970
2.376		28270	18923
2.412		40238	25281
2.439		21999	14497
2.51		8628	5900
2.548		7537	3989
2.569		8352	4266
2.592	TCX	12123400	7838646
2.636		224250	159029
2.714		18051	10407
2.744		3967	2942
2.764		556288	384019
2.81		94369	43477
2.825		565501	334294
2.877		2929728	1945697
2.926		31420	17946
2.988		400753	275124
3.048		2543	1089
3.064		3605	1475
3.084		3860895	3834131
3.135		468375	311986
3.156		198499	120646
3.182		317657	183129
3.206		3841809	2582231
3.242		119991	68461
3.289		960633	500123
3.304		525310	248933
3.332		3356	1411
3.354		1867938	913291
3.363		4647937	1991324
3.383		128932	44046
3.397		4111949	2753360
3.47		4608944	2808724
3.506		3094511	1934320
3.529		3348782	1789295
3.547		1028576	518154
3.601		4731	4671
3.631		3889826	2513131
3.654		1474876	770054
3.675		1353247	784141

3.703		925062	459388
3.72		3419046	2012303
3.761		1113275	808086
3.81		146917	120891
3.831		844656	479657
3.852		4580463	2851081
3.878		900503	534770
3.896		147880	69127
3.916		539725	341895
3.951		3574827	2470526
3.985		173111	90753
3.999		247194	163017
4.06		34475	32078
4.095		237941	194670
4.151		1032469	718883
4.192		980961	574988
4.211		1001873	499075
4.224		2461349	1331401
4.251		1415306	1431290
4.302		8018490	5970111
4.35		96075	69068
4.372		836675	556146
4.396		1795695	1299763
4.438		9962518	7567265
4.54		7627898	7347502
4.592		952287	783197
4.631		2071936	1825663
4.667		10096450	8441087
4.699		4826806	3364595
4.737		3425045	2648780
4.805		9088	7857
4.836		1013303	723753
4.854		138398	77381
4.887		5887317	4643120
4.91		803115	491663
4.96		3102533	2779330
4.996		1650451	1295343
5.027		1264176	1010033
5.059		575399	352515
5.082		15537900	12597260
5.123		299745	220413
5.153		500652	393038
5.273		161427	100883
5.296		2862330	2456231
5.341		9875148	11040620
5.461		6730	4577
5.498		213477	186822
5.544		282196	211280
5.566		133492	88949
5.615		1695900	1462275
5.724		3713057	3178204
5.756		206439	153042
5.924		980143	900067
6.083	DCB	8593819	7986112
6.234		2814	1603
6.257		5608	6398
6.562		2409	2929
6.609		2471	5385
6.809		2022	2779
7.146		7226	29450
7.887		1755	2192
8.162		8600	14684

LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082

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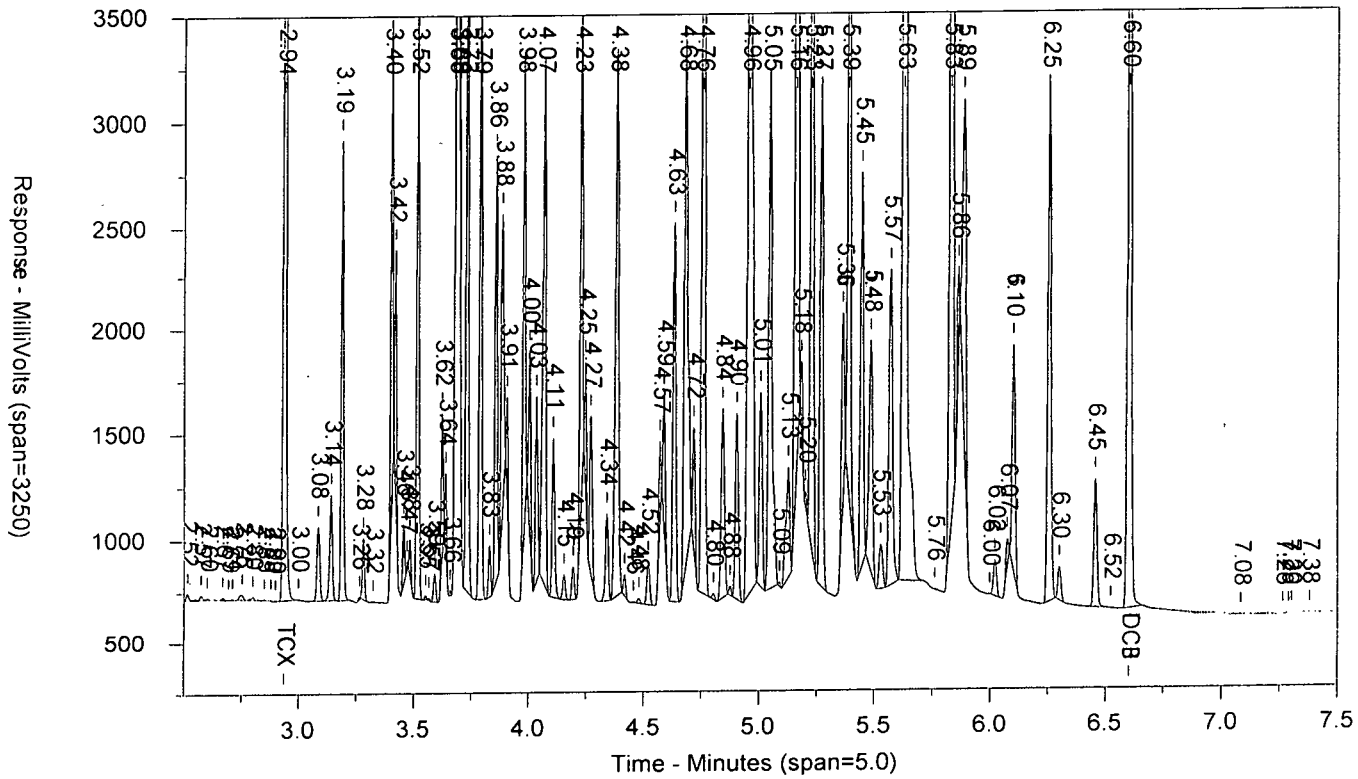

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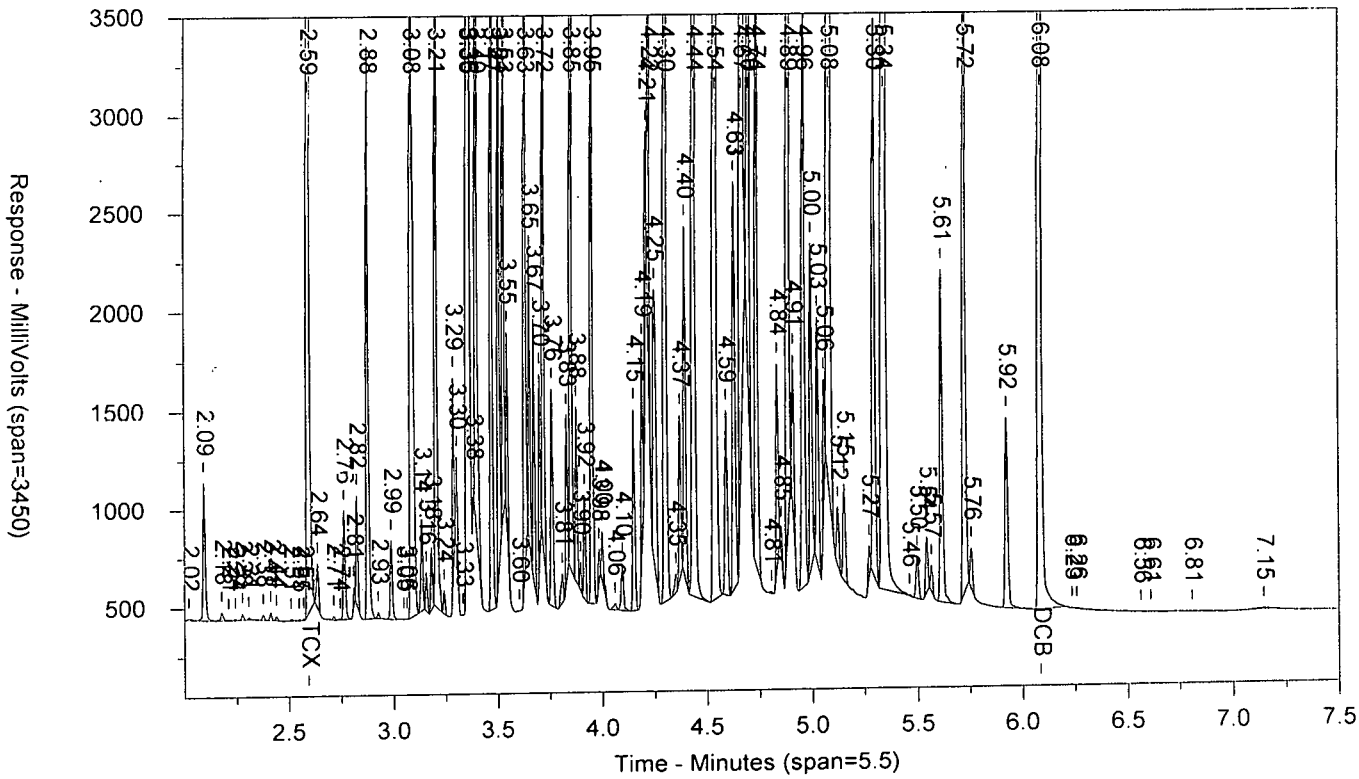

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082
Injected On: 10/11/2017 12:50:05 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
2.937	8622613	30.606	TCX	2.592	12123400	37.967	TCX
6.601	4681182	24.42	DCB	6.083	8593819	27.37	DCB

Files:
Area File: 07pcbs17282002.0038.RAW
Area File: 07pcbs17282002B.0038.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728201.CAL
Calibration File B: 07PCBS1728201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 12:58:47 AM
File Reported On: 10/11/2017 at 12:59:02 AM

LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082

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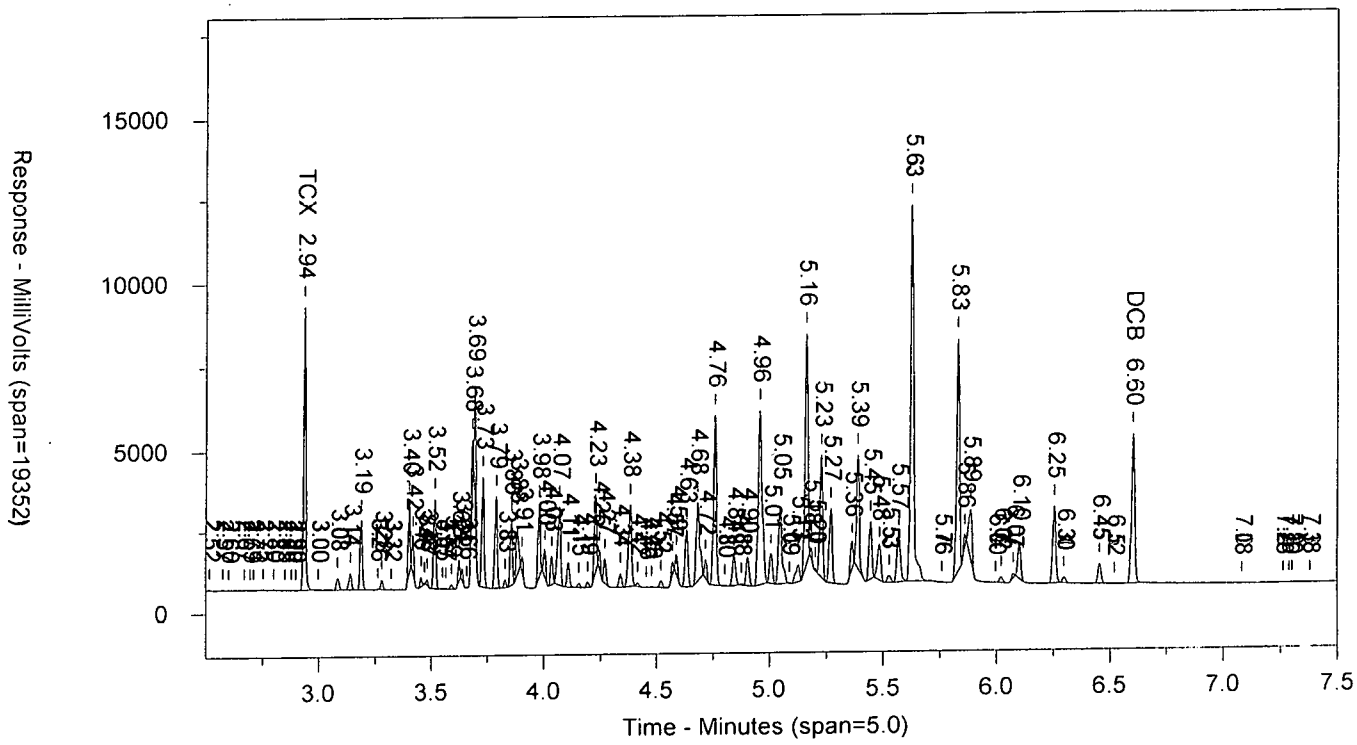

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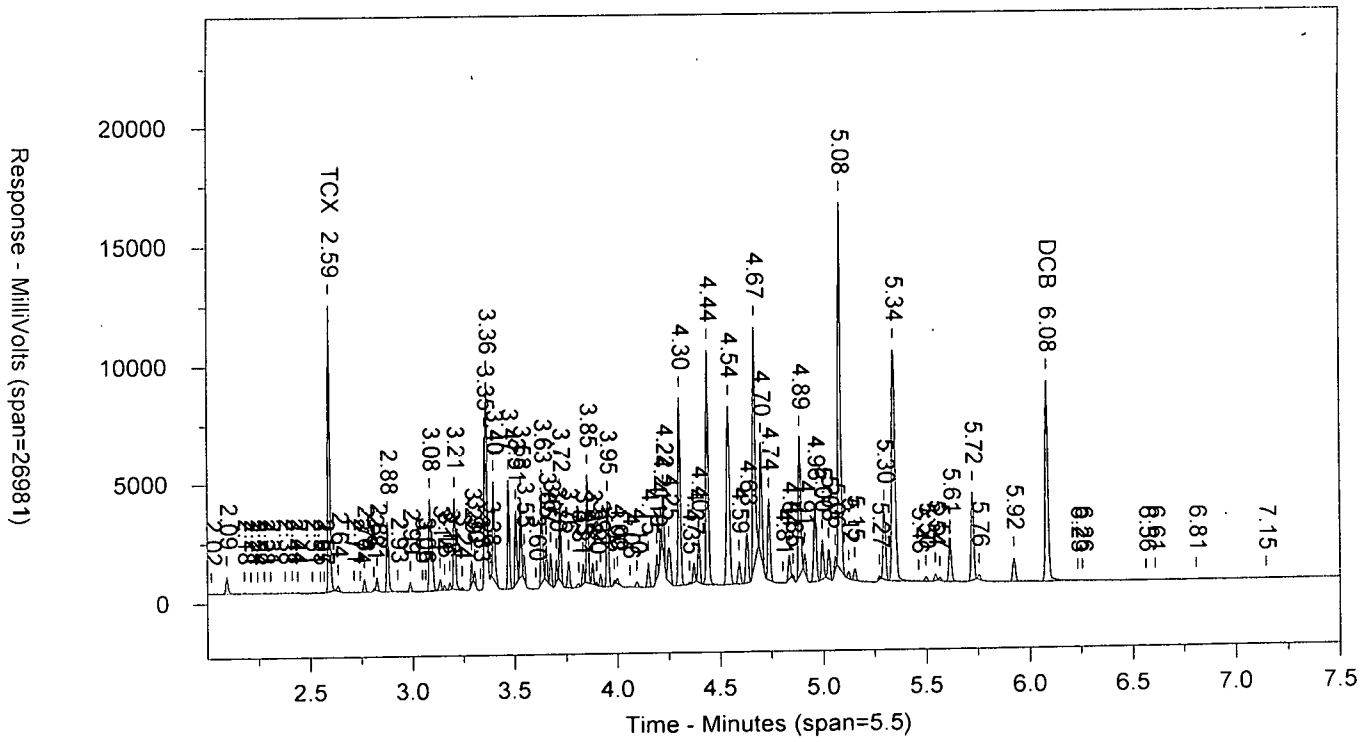

LCSA 10/7/17 ACF ABLCS09279 LCS 172790009A 10225 SW-846 8082

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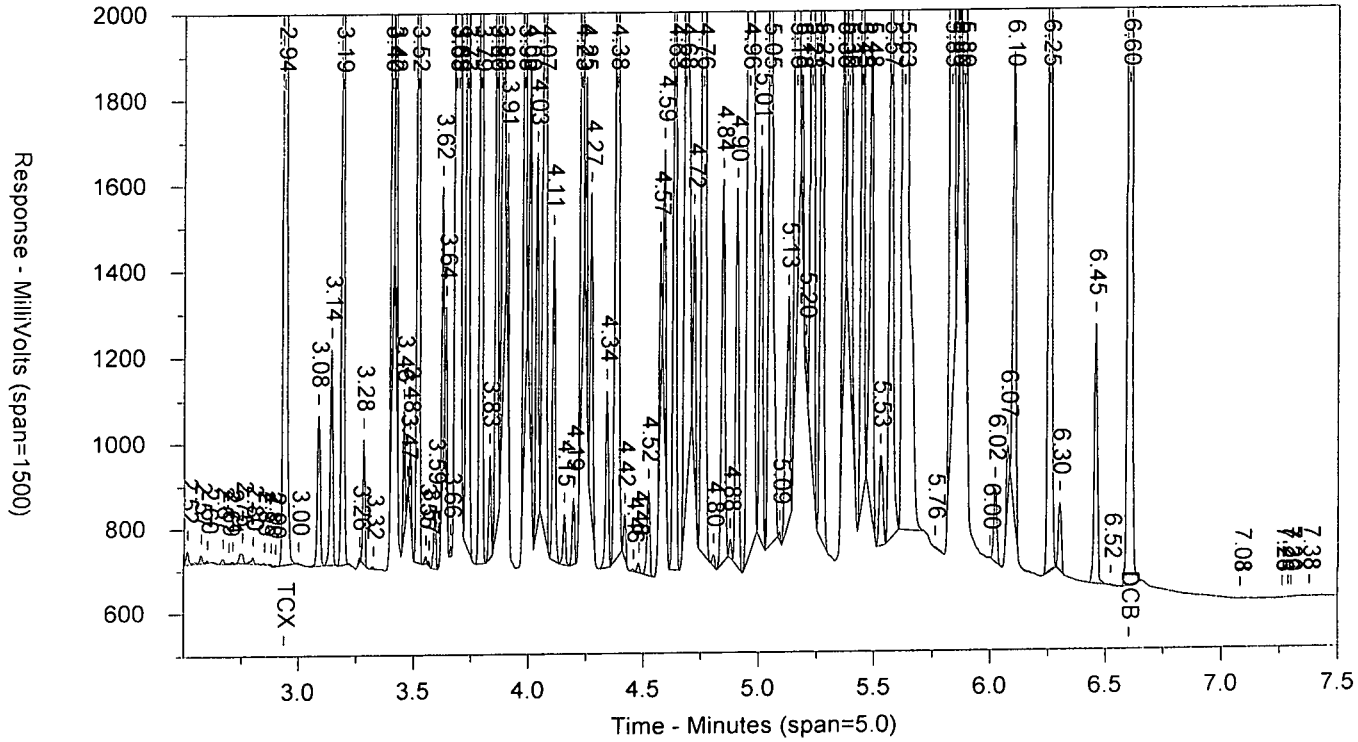

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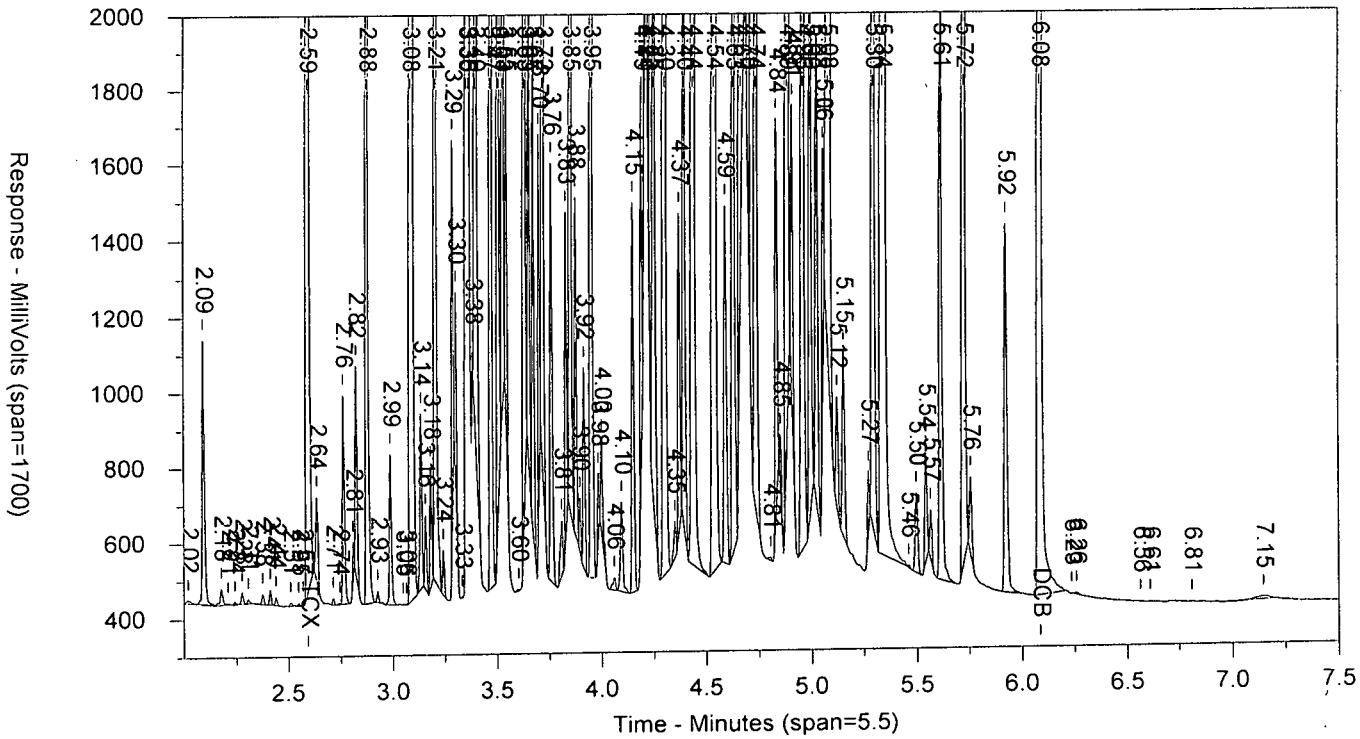

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 8993 Michelle Newswanger

172780031A

Reviewed by: JLM2855 Start Date: 10-6-17 Start time: 7:30

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
9229385MSD	95A16MSD	10.5	SS1726124A	1	MS1726824A	1	10	Z	Z	34A	
9229385MS	95A16MS	10.1	SS1726124A	1	MS1726824A	1	10	Z	Z	34A	
BLANKA	PBLK31278	10.0	SS1726124A	1	—	—	10	Z	Z		NA2SO4
LCSA	LCS31278	10.0	SS1726124A	1	MS1726824A	1	10	Z	Z		↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185091017A
Filter Paper	9823853
Hexane	173906
Sodium Sulfate	17277A

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	9229385	95A16	10.23	SS1726124A	1	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
2	9229386	95A17	10.32	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
3	9229387	95A18	10.12	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
4	9229388	96A01	10.09	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
5	9229389	96A02	10.12	SS1726124A		10	Z	Z	314A	Soil;Sandy;Black	10225	1869	10/06/2017	N
6	9229390	96A03	10.36	SS1726124A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
7	9229391	96A04	10.19	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
8	9229392	96A05	10.10	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
9	9229393	96A06	10.11	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black	10225	1869	10/06/2017	N
10	9229394	96A07	10.09	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Black	10225	1869	10/06/2017	N
11	9229395	96A08	10.41	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	10/06/2017	N
12	9229396	96A09	10.17	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Grey	10225	1869	10/06/2017	N
13	9229397	96A10	10.33	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
14	9229398	96A11	10.25	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
15	9229399	96A12	10.29	SS1726124A	↓	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Brown	10225	1869	10/06/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood 3	Micro Temp 100?
Internal Standard		Balance #	17609	

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

#6

172780031A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172780031A

Verified: [illegible]
Start Date: 10-6-17
Start Time: 12:15
Tech 1: MN8993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229385MSD		10	10			
9229385MS						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229385		10	10				10225
2	9229386							10225
3	9229387							10225
4	9229388							10225
5	9229389							10225
6	9229390							10225
7	9229391							10225
8	9229392							10225
9	9229393							10225
10	9229394							10225
11	9229395							10225
12	9229396							10225
13	9229397							10225
14	9229398							10225
15	9229399							10225

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: 172780031A

Verified: JVM 7857
Start Date: 10-6-17
Start Time: 13:00
Tech 1: MN8993
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229385MSD		2	2			
9229385MS						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229385		2	2				10225
2	9229386							10225
3	9229387							10225
4	9229388							10225
5	9229389							10225
6	9229390							10225
7	9229391							10225
8	9229392							10225
9	9229393							10225
10	9229394							10225
11	9229395							10225
12	9229396							10225
13	9229397							10225
14	9229398							10225
15	9229399							10225

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011CG
		Copper	171180BD

Organic Extraction Batchlog Assigned to: 1785 Sherry Morrow Reviewed by: KM Start Date: 10/7/17 Start time: 11:00 Pm

172790009A

Tech 1: SLM 1785 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
9229401MS	96A13	10.07	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	BROWN SOIL
9229402MSD	96A13	10.12	SS1726124A		MS1726824A	1.0	10	Z	Z	314A	↓
BLANKA	PBLK09279	10.0	SS1726124A				10	Z	Z	N/A	Na2SO4
LCSA	LCS09279	10.0	SS1726124A	↓	MS1726824A	1.0	10	Z	Z	N/A	↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185091017A
Filter Paper	9823853
Hexane	173906
Sodium Sulfate	17275A

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 9229400BKG	96A13	10.17	SS1726124A	1.0	10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
2 9229403	96A14	10.39	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black;Brown	10225	1869	10/06/2017	N
3 9229404	96A15	10.27	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	10/06/2017	N
4 9229405	96A16	10.46	SS1726124A		10	Z	Z	314A	Soil;Wet;Sandy;Brown	10225	1869	10/06/2017	N
5 9229406	96A17	10.2	SS1726124A		10	Z	Z	034a	GRAY, SANDY	10225	1869	10/06/2017	N
6 9229407	96A18	10.26	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
7 9229411	97A01	10.41	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	10/06/2017	N
8 9229412	97A02	10.45	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
9 9229413	97A03	10.10	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
10 9229414	97A04	10.05	SS1726124A		10	Z	Z	314a	Soil;Sandy;Black;Brown	10225	1869	10/06/2017	N
11 9229415	97A05	10.12	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
12 9229416	97A06	10.38	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
13 9229417	97A07	10.37	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
14 9229418	97A08	10.30	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
15 9229419	97A09	10.04	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
16 9229420	97A10	10.11	SS1726124A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
17 9229421	97A11	10.18	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black;Brown	10225	1869	10/06/2017	N
18 9249186	DAFSL	10.15	SS1726124A	↓	10	Z	Z	314a	Sludge;Wet;Black	10225	25281	10/11/2017	S

Bench#	Bench#	Bench#		
Rack ID:		Work Station	SON HOOD 3	Micro Temp 100?
Internal Standard		Balance #	13	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C

172790009A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172790009A

Verified: [illegible]
Start Date: 10/8/17
Start Time: 245 Am
Tech 1: SLM 1785
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229401MS		10	10			
9229402MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229400		10	10				10225
2	9229403		↓	↓				10225
3	9229404		↓	↓				10225
4	9229405		↓	↓				10225
5	9229406		↓	↓				10225
6	9229407		↓	↓				10225
7	9229411		↓	↓				10225
8	9229412		↓	↓				10225
9	9229413		↓	↓				10225
10	9229414		↓	↓				10225
11	9229415		↓	↓				10225
12	9229416		↓	↓				10225
13	9229417		↓	↓				10225
14	9229418		↓	↓				10225
15	9229419		↓	↓				10225
16	9229420		↓	↓				10225
17	9229421		↓	↓				10225
18	9249186		↓	↓				10225

N/A SLM 1785 10/8/17

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: 172790009A

Verified: RAD 9060
Start Date: 10/9/17
Start Time: 6:00 Am
Tech 1: SLM 1785
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229401MS		2	2			
9229402MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229400		2	2				10225
2	9229403		↓	↓				10225
3	9229404		↓	↓				10225
4	9229405		↓	↓				10225
5	9229406		↓	↓				10225
6	9229407		↓	↓				10225
7	9229411		↓	↓				10225
8	9229412		↓	↓				10225
9	9229413		↓	↓				10225
10	9229414		↓	↓				10225
11	9229415		↓	↓				10225
12	9229416		↓	↓				10225
13	9229417		↓	↓				10225
14	9229418		↓	↓				10225
15	9229419		↓	↓				10225
16	9229420		↓	↓				10225
17	9229421		↓	↓				10225
18	9249186		↓	↓				10225

N/A SLM 1785 10/9/17

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
FLORISIL	414011-CE		
COPPER	171180-BD		

Moisture Data

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CLIENT: **Stantec**
SDG: ATG96

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9229388	96A01
9229389	96A02
9229390	96A03
9229391	96A04
9229392	96A05
9229393	96A06
9229394	96A07
9229395	96A08
9229396	96A09
9229397	96A10
9229398	96A11
9229399	96A12
9229400	96A13BKG
9229401	96A13MS
9229402	96A13MSD
9229403	96A14FD
9229404	96A15
9229405	96A16
9229406	96A17
9229407	96A18

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: 17275820008A	Sample number(s): 9229388-9229394				
Moisture	100		99-101		
Batch number: 17275820008B	Sample number(s): 9229395-9229407				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

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CLIENT: Stantec
SDG: ATG96

MOISTURE

Sample Matrix Quality Control

Analysis Name		BKG Conc	DUP Conc	RPD	RPD Max
Batch number:	17275820008A	Sample number(s):		9229388-9229394	
Moisture		7.9	7.8	2	5
Batch number:	17275820008B	Sample number(s):		9229395-9229407	
Moisture		10.6	10.5	1	5
Moisture		10.6	10.5	1	5
Moisture Duplicate		10.6	10.5	1	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: 17275820008

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229388	A	00111	1.1711	5.7407	6.4579	7.91	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229389	A	00111	1.1538	7.4938	8.1155	7.10	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229390	A	00111	1.1589	8.4511	9.0050	7.16	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229391	A	00111	1.1330	7.1934	7.8300	6.90	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229392BKG	A	00111	1.1050	8.7107	9.1238	7.94	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229392DUP	A	00111	1.1066	8.0297	8.5120	7.77	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229393	A	00111	1.1249	6.7948	6.8295	16.04	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229394	A	00111	1.1345	9.2852	9.5154	9.74	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229395	B	00111	1.1773	7.8005	8.4235	7.11	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229396	B	00111	1.0916	7.3932	8.2428	3.27	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229397	B	00111	1.1781	7.0626	7.7289	7.25	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229398	B	00111	1.1594	7.3172	7.2094	17.32	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229399	B	00111	1.1611	8.2113	8.4375	11.39	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229400BKG	B	00111	1.1616	8.4823	8.7460	10.59	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229401MS	B	00118				10.59	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229402MSD	B	00118				10.59	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229402MSD	B	00121	1.1469	8.7330	8.9651	10.48	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229403FD	B	00111	1.1529	7.7287	8.1010	10.10	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229404	B	00111	1.1772	6.0888	6.4942	12.68	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229405	B	00111	1.1707	9.9061	9.0160	20.80	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229406	B	00111	1.1547	7.5718	8.1143	8.09	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229407	B	00111	1.1625	8.8898	8.8963	13.00	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
LCS 89.5% Std.		00111	1.1643	5.0372	1.7024	89.32	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)