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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# ATG98

GROUP	SAMPLE NUMBERS
1855188	9229450-9229469

```
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:** **11/01/2017**

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 ATG98
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9229450	T2-28W	09/22/2017 11:37	09/26/2017 17:15
9229451	T2-28(1.5-1.8)	09/22/2017 11:38	09/26/2017 17:15
9229452	T2-28E	09/22/2017 11:39	09/26/2017 17:15
9229453	T2-29W	09/22/2017 11:40	09/26/2017 17:15
9229454	T2-29(1.5-1.8)	09/22/2017 11:41	09/26/2017 17:15
9229455	T2-29E	09/22/2017 11:42	09/26/2017 17:15
9229456	T2-30W	09/22/2017 11:43	09/26/2017 17:15
9229457	T2-30(1.5-1.8)	09/22/2017 11:44	09/26/2017 17:15
9229458	T2-30E	09/22/2017 11:45	09/26/2017 17:15
9229459	T2-31W	09/22/2017 11:46	09/26/2017 17:15
9229460	T2-31(1.5-1.8)	09/22/2017 11:47	09/26/2017 17:15
9229461	T2-31E	09/22/2017 11:48	09/26/2017 17:15
9229462	T2-32W	09/22/2017 11:49	09/26/2017 17:15
9229463	T2-32(1.5-1.8)	09/22/2017 11:50	09/26/2017 17:15
9229464	T2-32E	09/22/2017 11:51	09/26/2017 17:15
9229465	T2-33W	09/22/2017 11:52	09/26/2017 17:15
9229466	T2-33WMS	09/22/2017 11:52	09/26/2017 17:15
9229467	T2-33WMSD	09/22/2017 11:52	09/26/2017 17:15
9229468	DUP2-4	09/22/2017 11:52	09/26/2017 17:15
9229469	T2-33(1.5-1.8)	09/22/2017 11:53	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: October 31, 2017 17:24

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1855188
SDG: ATG98
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#
T2-28W Grab Soil	09/22/2017 11:37	9229450
T2-28(1.5-1.8) Grab Soil	09/22/2017 11:38	9229451
T2-28E Grab Soil	09/22/2017 11:39	9229452
T2-29W Grab Soil	09/22/2017 11:40	9229453
T2-29(1.5-1.8) Grab Soil	09/22/2017 11:41	9229454
T2-29E Grab Soil	09/22/2017 11:42	9229455
T2-30W Grab Soil	09/22/2017 11:43	9229456
T2-30(1.5-1.8) Grab Soil	09/22/2017 11:44	9229457
T2-30E Grab Soil	09/22/2017 11:45	9229458
T2-31W Grab Soil	09/22/2017 11:46	9229459
T2-31(1.5-1.8) Grab Soil	09/22/2017 11:47	9229460
T2-31E Grab Soil	09/22/2017 11:48	9229461
T2-32W Grab Soil	09/22/2017 11:49	9229462
T2-32(1.5-1.8) Grab Soil	09/22/2017 11:50	9229463
T2-32E Grab Soil	09/22/2017 11:51	9229464
T2-33W Grab Soil	09/22/2017 11:52	9229465
T2-33WMS Grab Soil	09/22/2017 11:52	9229466
T2-33WMSD Grab Soil	09/22/2017 11:52	9229467
DUP2-4 Grab Soil	09/22/2017 11:52	9229468
T2-33(1.5-1.8) Grab Soil	09/22/2017 11:53	9229469

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: **T2-28W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:37
SDG#: ATG98-01

Stantec
ELLE Sample #: SW 9229450
ELLE Group #: 1855188
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	ZD1	2.8	50
10225	PCB-1260	11096-82-5	26	ZD1	2.8	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	9.3		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	172790013A	10/16/2017 14:06	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-28(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 11:38
SDG#: ATG98-02

Stantec
ELLE Sample #: SW 9229451
ELLE Group #: 1855188
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	< 2.7	D1	2.7	50
10225	PCB-1221	11104-28-2	< 2.7	D1	2.7	50
10225	PCB-1232	11141-16-5	< 2.7	D1	2.7	50
10225	PCB-1242	53469-21-9	< 2.7	D1	2.7	50
10225	PCB-1248	12672-29-6	< 2.7	D1	2.7	50
10225	PCB-1254	11097-69-1	8.6	ZD2	2.7	50
10225	PCB-1260	11096-82-5	6.7	ZD1	2.7	50
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	172790013A	10/16/2017 14:17	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-28E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:39
SDG#: ATG98-03

Stantec
ELLE Sample #: **SW 9229452**
ELLE Group #: **1855188**
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	ZD2	11	200
10225	PCB-1260	11096-82-5	31	ZD2	11	200

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	13.6		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790013A	10/16/2017 14:28	Kirby B Turner	200
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-29W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:40
SDG#: ATG98-04

Stantec
ELLE Sample #: **SW 9229453**
ELLE Group #: **1855188**
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	< 5.6	D1	5.6	100
10225	PCB-1221	11104-28-2	< 5.6	D1	5.6	100
10225	PCB-1232	11141-16-5	< 5.6	D1	5.6	100
10225	PCB-1242	53469-21-9	< 5.6	D1	5.6	100
10225	PCB-1248	12672-29-6	< 5.6	D1	5.6	100
10225	PCB-1254	11097-69-1	< 5.6	D1	5.6	100
10225	PCB-1260	11096-82-5	35	D1	5.6	100

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	11.7		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172990022A	10/30/2017 05:45	Jessica L Miller	100
14248	PCB 10g Sonication Ext	SW-846 3550B	2	172990022A	10/26/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	2	17277820009A	10/04/2017 22:52	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-29(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 11:41
SDG#: ATG98-05

Stantec
ELLE Sample #: SW 9229454
ELLE Group #: 1855188
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	14	ZD1	2.9	50
10225	PCB-1260	11096-82-5	12	ZD1	2.9	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790013A	10/16/2017 14:51	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-29E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:42
SDG#: ATG98-06

Stantec
ELLE Sample #: **SW 9229455**
ELLE Group #: **1855188**
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	22	ZD2	2.9	50
10225	PCB-1260	11096-82-5	15	ZD1	2.9	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.8		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	172790013A	10/16/2017 15:03	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-30W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:43
SDG#: ATG98-07

Stantec
ELLE Sample #: **SW 9229456**
ELLE Group #: **1855188**
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	< 5.7	D1	5.7	100
10225	PCB-1221	11104-28-2	< 5.7	D1	5.7	100
10225	PCB-1232	11141-16-5	< 5.7	D1	5.7	100
10225	PCB-1242	53469-21-9	< 5.7	D1	5.7	100
10225	PCB-1248	12672-29-6	< 5.7	D1	5.7	100
10225	PCB-1254	11097-69-1	22	ZD2	5.7	100
10225	PCB-1260	11096-82-5	30	ZD2	5.7	100

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	10.4		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	172790013A	10/16/2017 15:14	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-30(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 11:44
SDG#: ATG98-08

Stantec
ELLE Sample #: SW 9229457
ELLE Group #: 1855188
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	17	ZD2	2.8	50
10225	PCB-1260	11096-82-5	11	ZD1	2.8	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	12.3		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	172790013A	10/16/2017 15:25	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004A	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-30E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:45
SDG#: ATG98-09

Stantec
ELLE Sample #: SW 9229458
ELLE Group #: 1855188
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	25	ZD2	2.8	50
10225	PCB-1260	11096-82-5	14	ZD1	2.8	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	10.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790013A	10/16/2017 15:37	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-31W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:46
SDG#: ATG98-10

Stantec
ELLE Sample #: **SW 9229459**
ELLE Group #: **1855188**
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	< 2.7	D1	2.7	50
10225	PCB-1221	11104-28-2	< 2.7	D1	2.7	50
10225	PCB-1232	11141-16-5	< 2.7	D1	2.7	50
10225	PCB-1242	53469-21-9	< 2.7	D1	2.7	50
10225	PCB-1248	12672-29-6	< 2.7	D1	2.7	50
10225	PCB-1254	11097-69-1	< 2.7	ZD1	2.7	50
10225	PCB-1260	11096-82-5	14	ZD1	2.7	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	5.4		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	172790013A	10/16/2017 15:49	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-31(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 11:47
SDG#: ATG98-11

Stantec
ELLE Sample #: SW 9229460
ELLE Group #: 1855188
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	< 0.30	D1	0.30	5
10225	PCB-1221	11104-28-2	< 0.30	D1	0.30	5
10225	PCB-1232	11141-16-5	< 0.30	D1	0.30	5
10225	PCB-1242	53469-21-9	< 0.30	D1	0.30	5
10225	PCB-1248	12672-29-6	< 0.30	D1	0.30	5
10225	PCB-1254	11097-69-1	1.8	ZD1	0.30	5
10225	PCB-1260	11096-82-5	2.2	ZD1	0.30	5

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

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	172790013A	10/16/2017 16:00	Kirby B Turner	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-31E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:48
SDG#: ATG98-12

Stantec
ELLE Sample #: SW 9229461
ELLE Group #: 1855188
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	22	ZD2	2.8	50
10225	PCB-1260	11096-82-5	11	ZD1	2.8	50

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790013A	10/16/2017 16:11	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-32W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:49
SDG#: ATG98-13

Stantec
ELLE Sample #: **SW 9229462**
ELLE Group #: **1855188**
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	ZD1	1.1	20
10225	PCB-1260	11096-82-5	14	ZD1	1.1	20

Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	9.2		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172790013A	10/16/2017 16:22	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172790013A	10/07/2017 13:00	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-32(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229463**
ELLE Group #: **1855188**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:50
SDG#: ATG98-14

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.57 D1	0.57	10
10225	PCB-1221	11104-28-2	< 0.57 D1	0.57	10
10225	PCB-1232	11141-16-5	< 0.57 D1	0.57	10
10225	PCB-1242	53469-21-9	< 0.57 D1	0.57	10
10225	PCB-1248	12672-29-6	< 0.57 D1	0.57	10
10225	PCB-1254	11097-69-1	< 0.57 D1	0.57	10
10225	PCB-1260	11096-82-5	4.1 D2	0.57	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	12.5	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172820027A	10/12/2017 08:11	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-32E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:51
SDG#: ATG98-15

Stantec
ELLE Sample #: **SW 9229464**
ELLE Group #: **1855188**
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	16	D1	2.9	50
10225	PCB-1260	11096-82-5	10	D1	2.9	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	13.1		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	172820027A	10/12/2017 08:22	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-33W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:52
SDG#: ATG98-16BKG

Stantec
ELLE Sample #: **SW 9229465**
ELLE Group #: **1855188**
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	12	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	5.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172820027A	10/12/2017 08:34	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-33WMS Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:52
SDG#: ATG98-16MS

Stantec
ELLE Sample #: SW 9229466
ELLE Group #: 1855188
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	7.3	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	5.5		0.50	1

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172820027A	10/12/2017 08:46	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-33WMSD Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:52
SDG#: ATG98-16MSD

Stantec
ELLE Sample #: SW 9229467
ELLE Group #: 1855188
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	2.7	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00118	Moisture	n.a.	5.5		0.50	1
00121	Moisture Duplicate	n.a.	5.6		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172820027A	10/12/2017 08:57	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1
00121	Moisture Duplicate	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **DUP2-4 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 11:52
SDG#: ATG98-17FD

Stantec
ELLE Sample #: **SW 9229468**
ELLE Group #: **1855188**
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	< 0.53 D1	0.53	10
10225	PCB-1221	11104-28-2	< 0.53 D1	0.53	10
10225	PCB-1232	11141-16-5	< 0.53 D1	0.53	10
10225	PCB-1242	53469-21-9	< 0.53 D1	0.53	10
10225	PCB-1248	12672-29-6	< 0.53 D1	0.53	10
10225	PCB-1254	11097-69-1	< 0.53 D1	0.53	10
10225	PCB-1260	11096-82-5	4.5 D1	0.53	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	5.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172820027A	10/12/2017 09:08	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Analysis Report

Sample Description: **T2-33(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 11:53
SDG#: ATG98-18

Stantec
ELLE Sample #: SW 9229469
ELLE Group #: 1855188
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	< 0.56 D1	0.56	10
10225	PCB-1221	11104-28-2	< 0.56 D1	0.56	10
10225	PCB-1232	11141-16-5	< 0.56 D1	0.56	10
10225	PCB-1242	53469-21-9	< 0.56 D1	0.56	10
10225	PCB-1248	12672-29-6	< 0.56 D1	0.56	10
10225	PCB-1254	11097-69-1	< 0.56 D1	0.56	10
10225	PCB-1260	11096-82-5	2.6 D2	0.56	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	13.7	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	172820027A	10/12/2017 09:31	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172820027A	10/09/2017 16:30	Elizabeth E Donovan	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820004B	10/03/2017 13:05	Larry E Bevins	1

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Quality Control Summary

Client Name: Stantec
Reported: 10/31/2017 17:24

Group Number: 1855188

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: 172790013A	Sample number(s): 9229450-9229452,9229454-9229462	
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: 172820027A	Sample number(s): 9229463-9229469	
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: 172990022A	Sample number(s): 9229453	
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: 172790013A	Sample number(s): 9229450-9229452,9229454-9229462								
PCB-1016	0.501	0.478			96		80-121		
PCB-1260	0.501	0.572			114		84-125		
Batch number: 172820027A	Sample number(s): 9229463-9229469								
PCB-1016	0.501	0.445			89		80-121		

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

Quality Control Summary

Client Name: Stantec
Reported: 10/31/2017 17:24

Group Number: 1855188

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/kg	LCS Conc mg/kg	LCSD Spike Added mg/kg	LCSD Conc mg/kg	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
PCB-1260	0.501	0.480			96		84-125		
Batch number: 172990022A	Sample number(s): 9229453								
PCB-1016	0.501	0.525			105		80-121		
PCB-1260	0.501	0.546			109		84-125		
	%	%	%	%					
Batch number: 17276820004A	Sample number(s): 9229450-9229452,9229454-9229457								
Moisture	89.5	89.35			100		99-101		
Batch number: 17276820004B	Sample number(s): 9229458-9229469								
Moisture	89.5	89.35			100		99-101		
Moisture	89.5	89.35			100		99-101		
Moisture Duplicate	89.5	89.35			100		99-101		
Batch number: 17277820009A	Sample number(s): 9229453								
Moisture	89.5	88.89			99		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: 172790013A	Sample number(s): 9229450-9229452,9229454-9229462 UNSPK: P229422									
PCB-1016	< 2.4	0.493	< 2.5	0.484	< 2.5	0*	0*	80-121	0	50
PCB-1260	9.37	0.493	11.62	0.484	8.08	456 (2)	-265 (2)	84-125	36	50
Batch number: 172820027A	Sample number(s): 9229463-9229469 UNSPK: 9229465									
PCB-1016	< 1.0	0.494	0.517	0.498	0.502	105	101	80-121	3	50
PCB-1260	11.72	0.494	6.91	0.499	2.56	-972 (2)	-1836 (2)	84-125	92*	50
Batch number: 172990022A	Sample number(s): 9229453 UNSPK: P229509									
PCB-1016	< 1.0	0.496	0.600	0.491	0.583	121	119	80-121	3	50
PCB-1260	5.57	0.496	7.23	0.491	5.92	334 (2)	71 (2)	84-125	20	50

Laboratory Duplicate

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

*- 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: 10/31/2017 17:24

Group Number: 1855188

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: 17276820004A	Sample number(s): 9229450-9229452,9229454-9229457 BKG: P229453			
Moisture	9.12	10.81	17*	5
Batch number: 17276820004B	Sample number(s): 9229458-9229469 BKG: 9229465, P229465			
Moisture	5.53	5.62	2	5
Moisture	5.53	5.62	2	5
Moisture Duplicate	5.53	5.62	2	5
Batch number: 17277820009A	Sample number(s): 9229453 BKG: 9229453			
Moisture	11.66	11.25	4	5

Surrogate Quality Control

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172790013A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229450	85	110	86	105
9229451	68	112	79	87
9229452	92	132	105	121
9229454	82	137	92	105
9229455	78	129	85	106
9229456	80	141	95	119
9229457	71	111	81	94
9229458	59*	103	67	83
9229459	77	133	83	96
9229460	52*	75	45*	55
9229461	49*	87	60*	71
9229462	57*	79	57*	72
Blank	101	114	99	112
LCS	101	109	104	115
MS	98	120	99	113
MSD	86	108	88	107
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172820027A

*- 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: 10/31/2017 17:24

Group Number: 1855188

Surrogate Quality Control (continued)

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172820027A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229463	74	88	64	77
9229464	95	113	89	97
9229465	154*	185*	139	139
9229466	84	98	76	72
9229467	81	86	72	68
9229468	81	85	71	66
9229469	52*	72	53*	57
Blank	102	93	95	93
LCS	95	91	92	96
MS	84	98	76	72
MSD	81	86	72	68
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172990022A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229453	114	139	112	133
Blank	106	103	106	106
LCS	108	107	108	108
MS	87	96	82	80
MSD	81	93	76	76
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 # 1855188 Sample # 9229450-69

COC # 528672 17 of 25

For Lab Use Only
FSC:
SCR#:

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

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

Analysis Requested — Preservation Codes

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
T2-28W	9-22-17	1137	X		X			1	X	
T2-28(1.5-1.8)		1138	X		X			1	X	
T2-28E		1139	X		X			1	X	
T2-29W		1140	X		X			1	X	
T2-29(1.5-1.8)		1141	X		X			1	X	
T2-29E		1142	X		X			1	X	
T2-30W		1143	X		X			1	X	
T2-30(1.5-1.8)		1144	X		X			1	X	
T2-30E		1145	X		X			1	X	
T2-31W	9-22-17	1146	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 # 1855188 Sample # 9229450-69

COC # 536854

18 of 25

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerle

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

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	PCBs 3550B
T2-31 (1.5-1.8)	9-22-17	1147	X		1	X
T2-31E		1148	X		1	X
T2-32W		1149	X		1	X
T2-32 (1.5-1.8)		1150	X		1	X
T2-32E		1151	X		1	X
T2-33W		1152	X		1	X
T2-33WMS		1152	X		1	X
T2-33WMSD		1152	X		1	X
DUP2-4		1152	X		1	X
T2-33 (1.5-1.8)	9-22-17	1153	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	1755	[signature]	[illegible]	[illegible]
[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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Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855188

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: ATG98

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9229450	T2-28W		X	50	
9229451	T2-28(1.5-1.8)		X	50	
9229452	T2-28E		X	200	
9229453	T2-29W		X	100	
9229454	T2-29(1.5-1.8)		X	50	
9229455	T2-29E		X	50	
9229456	T2-30W		X	100	
9229457	T2-30(1.5-1.8)		X	50	
9229458	T2-30E		X	50	
9229459	T2-31W		X	50	
9229460	T2-31(1.5-1.8)		X	5	
9229461	T2-31E		X	50	
9229462	T2-32W		X	20	
9229463	T2-32(1.5-1.8)		X	10	
9229464	T2-32E		X	50	
9229465	T2-33W		X	20	Unspiked
9229466	T2-33WMS		X	20	Matrix Spike
9229467	T2-33WMSD		X	20	Matrix Spike Duplicate
9229468	DUP2-4		X	10	Field Duplicate Sample
9229469	T2-33(1.5-1.8)		X	10	

See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG98

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229450-9229469: 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): 9229450, 9229452-9229462: Analysis: 10225)
Z=The % difference for the calibration verification standard is outside the +/- 15% criteria. Since the average of the% difference values meets the criteria, the results are reported.

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#: 172820027A (Sample number(s): 9229463-9229469, UNSPK: 9229465)
The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS 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#: 172820027A (Sample number(s): 9229463-9229469, UNSPK: 9229465)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9229465 UNSPK), Tetrachloro-m-xylene-D1 (9229465 UNSPK)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Tetrachloro-m-xylene-D1 (9229469), Tetrachloro-m-xylene-D2 (9229469)

Batch#: 172790013A (Sample number(s): 9229450-9229452, 9229454-9229462)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Tetrachloro-m-xylene-D1 (9229458, 9229460, 9229461, 9229462), Tetrachloro-m-xylene-D2 (9229460, 9229461, 9229462)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG98

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

Abbreviation Key

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

Quality Control and Calibration Summary Forms

Polychlorinated Biphenyls (PCBs)

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Quality Control Reference List
Pesticide Residue Analysis

CLIENT: Stantec
SDG: ATG98

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172790013A	PBLK13279	10/12/2017 10:08:00
		LCS13279	10/12/2017 10:20:00
		9229450	10/16/2017 14:06:00
		9229451	10/16/2017 14:17:00
		9229452	10/16/2017 14:28:00
		9229454	10/16/2017 14:51:00
		9229455	10/16/2017 15:03:00
		9229456	10/16/2017 15:14:00
		9229457	10/16/2017 15:25:00
		9229458	10/16/2017 15:37:00
		9229459	10/16/2017 15:49:00
		9229460	10/16/2017 16:00:00
		9229461	10/16/2017 16:11:00
		9229462	10/16/2017 16:22:00
PCBs in Solids by 8082/3550	172820027A	PBLK27282	10/12/2017 07:25:00
		LCS27282	10/12/2017 08:00:00
		9229463	10/12/2017 08:11:00
		9229464	10/12/2017 08:22:00
		9229465 UNSPK	10/12/2017 08:34:00
		9229466 MS	10/12/2017 08:46:00
		9229467 MSD	10/12/2017 08:57:00
		9229468	10/12/2017 09:08:00
		9229469	10/12/2017 09:31:00
PCBs in Solids by 8082/3550	172990022A	PBLK22299	10/30/2017 04:59:00
		LCS22299	10/30/2017 05:34:00
		9229453	10/30/2017 05:45:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATG98
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172790013A / PBLK13279 **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

172820027A / PBLK27282 **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

172990022A / PBLK22299 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/30/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/30/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/30/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/30/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/30/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/30/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/30/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATG98
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172790013A	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
PBLK13279	114	48 - 164	112	48 - 164	101	61 - 152	99	61 - 152
LCS13279	109	48 - 164	115	48 - 164	101	61 - 152	104	61 - 152
9229450	110	48 - 164	105	48 - 164	85	61 - 152	86	61 - 152
9229451	112	48 - 164	87	48 - 164	68	61 - 152	79	61 - 152
9229452	132	48 - 164	121	48 - 164	92	61 - 152	105	61 - 152
9229454	137	48 - 164	105	48 - 164	82	61 - 152	92	61 - 152
9229455	129	48 - 164	106	48 - 164	78	61 - 152	85	61 - 152
9229456	141	48 - 164	119	48 - 164	80	61 - 152	95	61 - 152
9229457	111	48 - 164	94	48 - 164	71	61 - 152	81	61 - 152
9229458	103	48 - 164	83	48 - 164	59 *	61 - 152	67	61 - 152
9229459	133	48 - 164	96	48 - 164	77	61 - 152	83	61 - 152
9229460	75	48 - 164	55	48 - 164	52 *	61 - 152	45 *	61 - 152
9229461	87	48 - 164	71	48 - 164	49 *	61 - 152	60 *	61 - 152
9229462	79	48 - 164	72	48 - 164	57 *	61 - 152	57 *	61 - 152

172820027A	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
PBLK27282	93	48 - 164	93	48 - 164	102	61 - 152	95	61 - 152
LCS27282	91	48 - 164	96	48 - 164	95	61 - 152	92	61 - 152
9229463	88	48 - 164	77	48 - 164	74	61 - 152	64	61 - 152
9229464	113	48 - 164	97	48 - 164	95	61 - 152	89	61 - 152
9229465 UNSPK	185 *	48 - 164	139	48 - 164	154 *	61 - 152	139	61 - 152
9229466 MS	98	48 - 164	72	48 - 164	84	61 - 152	76	61 - 152
9229467 MSD	86	48 - 164	68	48 - 164	81	61 - 152	72	61 - 152
9229468	85	48 - 164	66	48 - 164	81	61 - 152	71	61 - 152
9229469	72	48 - 164	57	48 - 164	52 *	61 - 152	53 *	61 - 152

172990022A	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
PBLK22299	103	48 - 164	106	48 - 164	106	61 - 152	106	61 - 152
LCS22299	107	48 - 164	108	48 - 164	108	61 - 152	108	61 - 152
9229453	139	48 - 164	133	48 - 164	114	61 - 152	112	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: ATG98
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9229465 MS: 9229466 MSD: 9229467 **Analyte**	Batch: **172820027A** (Sample number(s): 9229463-9229469)								
	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	0.494 / 0.498	0	0.517	0.502	105	101	80-121	3	50
PCB-1260	0.494 / 0.499	11.72	6.91	2.56	-972 (2)	-1836 (2)	84-125	92 *	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: ATG98
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS13279	Batch: **172790013A** (Sample number(s): 9229450-9229462)							
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	0.478	NA	96	NA	80-121	NA	NA
PCB-1260	0.501	0.572	NA	114	NA	84-125	NA	NA

LCS: LCS27282	Batch: **172820027A** (Sample number(s): 9229463-9229469)							
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	0.445	NA	89	NA	80-121	NA	NA
PCB-1260	0.501	0.480	NA	96	NA	84-125	NA	NA

LCS: LCS22299	Batch: **172990022A** (Sample number(s): 9229453)							
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	0.525	NA	105	NA	80-121	NA	NA
PCB-1260	0.501	0.546	NA	109	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

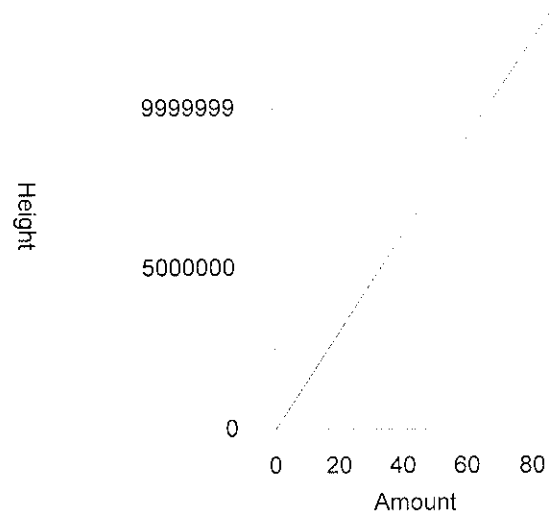
Creator:
Description:
Reason for change:

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

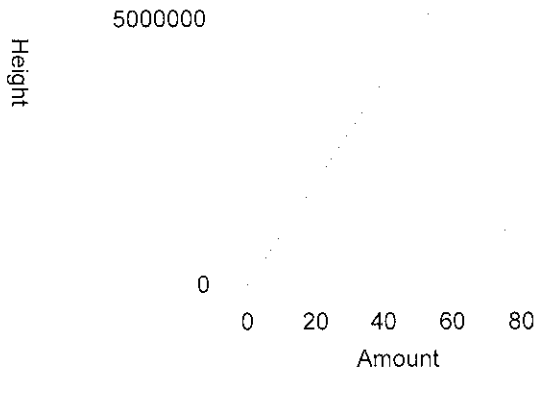
Y = 150870.8 X + 0

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

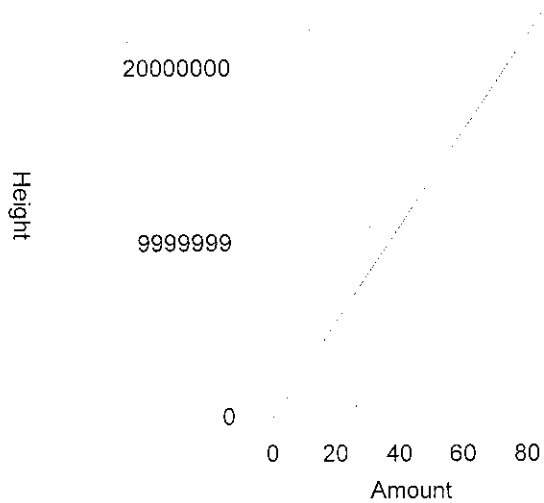
Creator:
Description:
Reason for change:

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

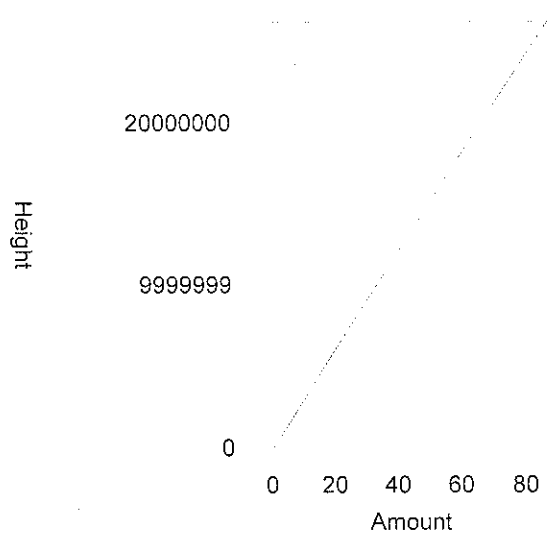
Y = 272436.8 X + 0

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: 07PCBS1728401

GC Column (1) : ZB MR1 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	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.91	2.97
Decachlorobiphenyl	6.60	6.60	6.60	6.60	6.61	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: 19843A Calibration File: 07PCBS1728401

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

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

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	2.87E+05	2.69E+05	2.72E+05	2.69E+05	2.68E+05	2.80E+05	2.74E+05	3
Decachlorobiphenyl	2.22E+05	2.05E+05	1.88E+05	1.96E+05	1.99E+05	2.00E+05	2.02E+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: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	3.19	3.17	3.21	5749	4809	1	25.25	145174	11.74
	1				5133		2	50.5	259217	
	1				4840		3	101	488843	
	1				4544		4	202	917894	
	1				4276		5	505	2159376	
	1				4311		6	1010	4353892	
	2	3.40	3.38	3.42	6000	5041	1	25.25	151488	12.89
	2				5531		2	50.5	279295	
	2				5207		3	101	525911	
	2				4662		4	202	941819	
	2				4528		5	505	2286460	
	2				4320		6	1010	4363358	
	3	3.52	3.50	3.54	7107	6055	1	25.25	179441	10.85
	3				6482		2	50.5	327325	
	3				6167		3	101	622824	
	3				5588		4	202	1128810	
	3				5562		5	505	2808996	
	3				5426		6	1010	5480230	
	4	3.73	3.71	3.75	8583	7358	1	25.25	216713	9.71
	4				7812		2	50.5	394499	
	4				7162		3	101	723394	
	4				6968		4	202	1407519	
	4				6643		5	505	3354816	
	4				6980		6	1010	7049666	
	5	3.79	3.77	3.81	7364	6477	1	25.25	185952	8.91
	5				7023		2	50.5	354647	
	5				6299		3	101	636200	
	5				6074		4	202	1226921	
	5				5940		5	505	2999850	
	5				6163		6	1010	6224808	
	6	3.98	3.96	4.00	5951	4940	1	25.25	150267	12.94
	6				5322		2	50.5	268768	
	6				5100		3	101	515095	
	6				4445		4	202	897945	
	6				4261		5	505	2151702	
	6				4560		6	1010	4605628	
Aroclor-1221	1	3.09	3.07	3.11	2478	2478	1	200.1	495885	.00
	2	3.14	3.12	3.16	2173	2173	1	200.1	434721	.00
	3	3.19	3.17	3.21	6725	6725	1	200.1	1345711	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	3.19	3.17	3.21	5589	5589	1	200.6	1121102	.00
	2	3.40	3.38	3.42	2270	2270	1	200.6	455398	.00
	3	3.52	3.50	3.54	2757	2757	1	200.6	553049	.00
	4	3.73	3.71	3.75	3338	3338	1	200.6	669615	.00
	5	3.79	3.77	3.81	2729	2729	1	200.6	547486	.00
	6	3.98	3.96	4.00	1872	1872	1	200.6	375507	.00
Aroclor-1242	1	3.19	3.17	3.21	6693	6693	1	200	1338658	.00
	2	3.40	3.38	3.42	6771	6771	1	200	1354105	.00
	3	3.52	3.50	3.54	8065	8065	1	200	1612994	.00
	4	3.73	3.71	3.75	10100	10100	1	200	2019927	.00
	5	3.79	3.77	3.81	8665	8665	1	200	1732960	.00
	6	3.98	3.96	4.00	6598	6598	1	200	1319686	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	3955	3280	1	25.08	99200	12.77
	1				3450		2	50.16	173030	
	1				3362		3	100.32	337262	
	1				3214		4	200.64	644882	
	1				2917		5	501.6	1462920	
	1				2780		6	1003.2	2789385	
	2	3.79	3.77	3.81	4291	3588	1	25.08	107616	11.75
	2				3785		2	50.16	189880	
	2				3509		3	100.32	352060	
	2				3604		4	200.64	723141	
	2				3152		5	501.6	1581064	
	2				3189		6	1003.2	3198760	
	3	3.86	3.84	3.88	7294	6143	1	25.08	182921	11.23
	3				6446		2	50.16	323330	
	3				6130		3	100.32	614994	
	3				6078		4	200.64	1219529	
	3				5544		5	501.6	2781102	
	3				5367		6	1003.2	5384091	
	4	3.98	3.96	4.00	8359	6892	1	25.08	209652	11.64
	4				7057		2	50.16	353994	
	4				6797		3	100.32	681921	
	4				6776		4	200.64	1359448	
	4				6159		5	501.6	3089287	
	4				6201		6	1003.2	6220448	
	5	4.07	4.05	4.09	7172	6238	1	25.08	179884	8.20
	5				6427		2	50.16	322357	
	5				6132		3	100.32	615122	
	5				6073		4	200.64	1218522	
	5				5818		5	501.6	2918528	
	5				5808		6	1003.2	5826088	
	6	4.25	4.23	4.27	8106	6933	1	25.08	203311	8.86
	6				7100		2	50.16	356158	
	6				6636		3	100.32	665679	
	6				6723		4	200.64	1348882	
	6				6477		5	501.6	3248912	
	6				6557		6	1003.2	6577990	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	4.23	4.21	4.25	9463	7767	1	25.12	237698	13.83
	1				8590		2	50.24	431573	
	1				7688		3	100.48	772473	
	1				7348		4	251.2	1845738	
	1				6740		5	502.4	3386326	
	1				6775		6	1004.8	6807404	
	2	4.34	4.32	4.36	3168	2593	1	25.12	79592	17.18
	2				2987		2	50.24	150078	
	2				2682		3	100.48	269474	
	2				2518		4	251.2	632446	
	2				2155		5	502.4	1082748	
	2				2045		6	1004.8	2055100	
	3	4.57	4.55	4.59	10128	8589	1	25.12	254425	11.28
	3				9154		2	50.24	459900	
	3				8713		3	100.48	875504	
	3				8316		4	251.2	2089072	
	3				7595		5	502.4	3815800	
	3				7626		6	1004.8	7663059	
	4	4.63	4.61	4.65	19151	17122	1	25.12	481067	7.12
	4				17917		2	50.24	900126	
	4				16318		3	100.48	1639661	
	4				17103		4	251.2	4296194	
	4				15977		5	502.4	8026612	
	4				16270		6	1004.8	16347640	
	5	5.04	5.02	5.06	6567	5981	1	25.12	164967	5.74
	5				6188		2	50.24	310877	
	5				5641		3	100.48	566758	
	5				5911		4	251.2	1484775	
	5				5862		5	502.4	2945283	
	5				5720		6	1004.8	5747644	
	6	5.16	5.14	5.18	10675	9598	1	25.12	268166	7.24
	6				10263		2	50.24	515627	
	6				9355		3	100.48	939989	
	6				9114		4	251.2	2289337	
	6				9031		5	502.4	4536998	
	6				9152		6	1004.8	9196005	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	4.76	4.74	4.78	13453	11593	1	25.21	339152	9.20
	1				11862		2	50.41	597940	
	1				11717		3	100.82	1181295	
	1				10732		4	201.64	2163916	
	1				10431		5	504.1	5258045	
	1				11363		6	1008.2	11456500	
	2	4.96	4.94	4.98	13543	11721	1	25.21	341426	10.59
	2				12516		2	50.41	630956	
	2				11448		3	100.82	1154172	
	2				10410		4	201.64	2099161	
	2				10362		5	504.1	5223461	
	2				12049		6	1008.2	12147320	
	3	5.16	5.14	5.18	15177	14251	1	25.21	382604	5.96
	3				14004		2	50.41	705957	
	3				13422		3	100.82	1353196	
	3				13519		4	201.64	2726046	
	3				13961		5	504.1	7037652	
	3				15425		6	1008.2	15551560	
	4	5.39	5.37	5.41	8799	7885	1	25.21	221812	7.53
	4				8270		2	50.41	416908	
	4				8042		3	100.82	810825	
	4				7487		4	201.64	1509693	
	4				7221		5	504.1	3639979	
	4				7493		6	1008.2	7554198	
	5	5.63	5.61	5.65	26170	24563	1	25.21	659747	6.97
	5				25281		2	50.41	1274394	
	5				23123		3	100.82	2331270	
	5				22506		4	201.64	4538190	
	5				23638		5	504.1	11916030	
	5				26662		6	1008.2	26880760	
	6	5.83	5.81	5.85	18857	16676	1	25.21	475388	7.78
	6				17272		2	50.41	870702	
	6				16136		3	100.82	1626788	
	6				15561		4	201.64	3137778	
	6				15361		5	504.1	7743584	
	6				16871		6	1008.2	17009030	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1728401

GC Column (1) : ZB MR1 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	5.23	5.21	5.25	15011	15011	1	200.8	3014306	.00
	2	5.39	5.37	5.41	10716	10716	1	200.8	2151775	.00
	3	5.63	5.61	5.65	28518	28518	1	200.8	5726488	.00
	4	5.83	5.81	5.85	22136	22136	1	200.8	4444809	.00
	5	5.89	5.87	5.91	11152	11152	1	200.8	2239286	.00
	6	6.26	6.24	6.28	11134	11134	1	200.8	2235731	.00
Aroclor-1268	1	5.83	5.81	5.85	42863	42863	1	201	8615493	.00
	2	5.89	5.87	5.91	37773	37773	1	201	7592281	.00
	3	6.02	6.00	6.04	33419	33419	1	201	6717220	.00
	4	6.08	6.06	6.10	8344	8344	1	201	1677155	.00
	5	6.25	6.23	6.27	12179	12179	1	201	2448046	.00
	6	6.45	6.43	6.47	86860	86860	1	201	17458820	.00

File Name: V:\CP7\07PCBS1728401.CAL
Version: 10

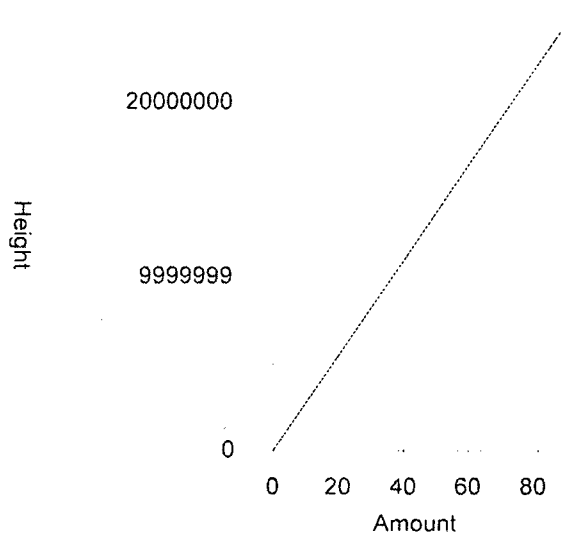
Creator:
Description:
Reason for change:

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: 2.937 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

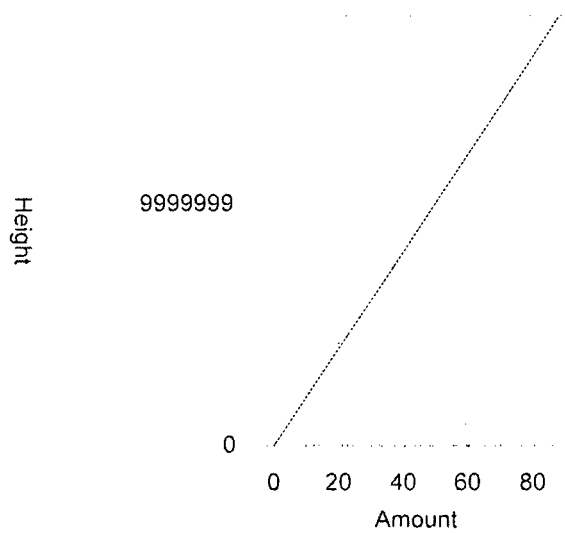
Single peak quantification by height

Y = 274120.5 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.999029
Average error: 2.224%
Average CF: 274120.5
RSD: 2.752%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	573763.6	286881.8	4.655	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0007.I
2	4	1077407	269351.8	-1.740	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0008.I
3	20	5436629	271831.4	-0.835	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0009.I
4	40	1.074707E+07	268676.8	-1.986	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0010.I
5	60.8	1.631475E+07	268334.7	-2.111	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0011.I
6	80	2.237172E+07	279646.5	2.016	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0012.I

2 DCB



Expected retention time:	6.603 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 = 201784.4 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9991452
Average error:	3.890%
Average CF:	201784.4
RSD:	5.644%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	446378.4	222078.8	10.057	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(
2	4.02	824243.2	205035.6	1.611	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(
3	20.12	3787977	188269.2	-6.698	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(
4	40.24	7885810	195969.4	-2.882	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(
5	61.16	1.217362E+07	199045.5	-1.357	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(
6	80.48	1.612076E+07	200307.6	-0.732	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0(

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.56	2.62
Decachlorobiphenyl	6.08	6.08	6.08	6.08	6.09	6.08	6.08	6.05	6.11

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

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

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

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	4.16E+05	3.92E+05	4.24E+05	4.16E+05	4.12E+05	4.27E+05	4.15E+05	3
Decachlorobiphenyl	4.30E+05	3.88E+05	3.60E+05	3.63E+05	3.66E+05	3.64E+05	3.79E+05	7

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	2.88	2.86	2.90	8308	7000	1	25.25	209776	12.96
	1				7610		2	50.5	384286	
	1				7332		3	101	740565	
	1				6638		4	202	1340818	
	1				6145		5	505	3103431	
	1				5969		6	1010	6028575	
	2	3.21	3.19	3.23	10478	8782	1	25.25	264560	12.05
	2				9420		2	50.5	475711	
	2				8998		3	101	908793	
	2				8060		4	202	1628211	
	2				8062		5	505	4071064	
	2				7673		6	1010	7749760	
	3	3.40	3.38	3.42	10332	9038	1	25.25	260886	8.32
	3				9363		2	50.5	472827	
	3				9152		3	101	924386	
	3				8346		4	202	1685870	
	3				8443		5	505	4263534	
	3				8589		6	1010	8675015	
	4	3.47	3.45	3.49	10700	9586	1	25.25	270172	6.60
	4				9621		2	50.5	485871	
	4				9797		3	101	989465	
	4				9050		4	202	1828152	
	4				8963		5	505	4526304	
	4				9385		6	1010	9478493	
	5	3.53	3.51	3.55	8536	7225	1	25.25	215530	11.03
	5				7586		2	50.5	383072	
	5				7396		3	101	746977	
	5				6898		4	202	1393486	
	5				6315		5	505	3189301	
	5				6621		6	1010	6687272	
	6	3.63	3.61	3.65	9618	8190	1	25.25	242856	10.44
	6				8375		2	50.5	422943	
	6				8518		3	101	860334	
	6				7674		4	202	1550078	
	6				7169		5	505	3620226	
	6				7784		6	1010	7861880	
Aroclor-1221	1	2.76	2.74	2.78	4193	4193	1	200.1	838994	.00
	2	2.82	2.80	2.84	2609	2609	1	200.1	522058	.00
	3	2.88	2.86	2.90	10083	10083	1	200.1	2017705	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	2.88	2.86	2.90	8097	8097	1	200.6	1624329	.00
	2	3.21	3.19	3.23	4020	4020	1	200.6	806459	.00
	3	3.40	3.38	3.42	4052	4052	1	200.6	812733	.00
	4	3.47	3.45	3.49	4096	4096	1	200.6	821609	.00
	5	3.53	3.51	3.55	2771	2771	1	200.6	555914	.00
	6	3.63	3.61	3.65	3242	3242	1	200.6	650247	.00
Aroclor-1242	1	2.88	2.86	2.90	9936	9936	1	200	1987130	.00
	2	3.21	3.19	3.23	12142	12142	1	200	2428384	.00
	3	3.40	3.38	3.42	12132	12132	1	200	2426360	.00
	4	3.47	3.45	3.49	13284	13284	1	200	2656754	.00
	5	3.53	3.51	3.55	9399	9399	1	200	1879702	.00
	6	3.63	3.61	3.65	10952	10952	1	200	2190494	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	3.40	3.38	3.42	4431	3679	1	25.08	111136	11.83
	1				3890		2	50.16	195115	
	1				3547		3	100.32	355857	
	1				3645		4	200.64	731410	
	1				3270		5	501.6	1640387	
	1				3291		6	1003.2	3301050	
	2	3.47	3.45	3.49	6242	5450	1	25.08	156550	9.02
	2				5772		2	50.16	289543	
	2				5357		3	100.32	537448	
	2				5384		4	200.64	1080155	
	2				5026		5	501.6	2521271	
	2				4917		6	1003.2	4933084	
	3	3.51	3.49	3.53	11074	9285	1	25.08	277744	12.14
	3				10152		2	50.16	509242	
	3				8869		3	100.32	889700	
	3				9142		4	200.64	1834271	
	3				8152		5	501.6	4088988	
	3				8323		6	1003.2	8349846	
	4	3.63	3.61	3.65	13006	11033	1	25.08	326195	10.02
	4				11491		2	50.16	576385	
	4				10501		3	100.32	1053451	
	4				10984		4	200.64	2203754	
	4				10182		5	501.6	5107096	
	4				10036		6	1003.2	10067980	
	5	3.72	3.70	3.74	9238	7986	1	25.08	231689	8.94
	5				8291		2	50.16	415871	
	5				7292		3	100.32	731557	
	5				8017		4	200.64	1608495	
	5				7486		5	501.6	3754953	
	5				7590		6	1003.2	7614746	
	6	3.86	3.84	3.88	17082	15089	1	25.08	428408	7.25
	6				15197		2	50.16	762263	
	6				13927		3	100.32	1397113	
	6				15257		4	200.64	3061148	
	6				14462		5	501.6	7254142	
	6				14608		6	1003.2	14655040	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	4.21	4.19	4.23	25323	22755	1	25.12	636108	6.70
	1				23451		2	50.24	1178173	
	1				22725		3	100.48	2283454	
	1				22513		4	251.2	5655306	
	1				21358		5	502.4	10730280	
	1				21160		6	1004.8	21261650	
	2	4.30	4.28	4.32	13089	11001	1	25.12	328807	11.74
	2				11841		2	50.24	594887	
	2				10954		3	100.48	1100649	
	2				10613		4	251.2	2666027	
	2				9765		5	502.4	4905944	
	2				9742		6	1004.8	9788684	
	3	4.37	4.35	4.39	13953	12691	1	25.12	350506	6.56
	3				13526		2	50.24	679533	
	3				12318		3	100.48	1237698	
	3				12192		4	251.2	3062614	
	3				11943		5	502.4	6000307	
	3				12213		6	1004.8	12271740	
	4	4.44	4.42	4.46	10465	9012	1	25.12	262878	11.08
	4				9870		2	50.24	495882	
	4				8981		3	100.48	902442	
	4				8757		4	251.2	2199736	
	4				7926		5	502.4	3982054	
	4				8070		6	1004.8	8108380	
	5	4.59	4.57	4.61	9848	9825	1	25.12	247372	2.97
	5				9868		2	50.24	495776	
	5				9341		3	100.48	938587	
	5				9781		4	251.2	2456998	
	5				9854		5	502.4	4950862	
	5				10255		6	1004.8	10304420	
	6	4.67	4.65	4.69	18061	16337	1	25.12	453698	6.71
	6				17174		2	50.24	862839	
	6				16369		3	100.48	1644750	
	6				15697		4	251.2	3943108	
	6				15419		5	502.4	7746373	
	6				15300		6	1004.8	15372950	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	4.44	4.42	4.46	22761	20627	1	25.21	573808	5.90
	1				20760		2	50.41	1046518	
	1				20709		3	100.82	2087847	
	1				19809		4	201.64	3994192	
	1				19161		5	504.1	9659049	
	1				20564		6	1008.2	20732590	
	2	4.54	4.52	4.56	16888	15481	1	25.21	425736	5.68
	2				15515		2	50.41	782131	
	2				15636		3	100.82	1576421	
	2				14228		4	201.64	2868940	
	2				14971		5	504.1	7546782	
	2				15649		6	1008.2	15777320	
	3	4.67	4.65	4.69	20303	19560	1	25.21	511844	4.74
	3				19995		2	50.41	1007946	
	3				19274		3	100.82	1943166	
	3				18475		4	201.64	3725218	
	3				18591		5	504.1	9371669	
	3				20722		6	1008.2	20892090	
	4	4.89	4.87	4.91	14539	13415	1	25.21	366522	4.28
	4				13188		2	50.41	664819	
	4				13207		3	100.82	1331503	
	4				13115		4	201.64	2644500	
	4				12974		5	504.1	6540140	
	4				13469		6	1008.2	13579080	
	5	5.08	5.06	5.10	32046	31490	1	25.21	807872	3.65
	5				30467		2	50.41	1535863	
	5				31596		3	100.82	3185476	
	5				30320		4	201.64	6113648	
	5				31093		5	504.1	15673990	
	5				33419		6	1008.2	33693180	
	6	5.34	5.32	5.36	21559	20592	1	25.21	543507	4.28
	6				21201		2	50.41	1068767	
	6				19735		3	100.82	1989653	
	6				20104		4	201.64	4053723	
	6				19587		5	504.1	9873970	
	6				21363		6	1008.2	21538650	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1728401B

GC Column (2) : ZB MR2 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	4.70	4.68	4.72	21234	21234	1	200.8	4263861	.00
	2	4.89	4.87	4.91	20815	20815	1	200.8	4179563	.00
	3	5.08	5.06	5.10	41570	41570	1	200.8	8347244	.00
	4	5.30	5.28	5.32	16926	16926	1	200.8	3398717	.00
	5	5.35	5.33	5.37	27428	27428	1	200.8	5507533	.00
	6	5.73	5.71	5.75	16115	16115	1	200.8	3235844	.00
Aroclor-1268	1	5.30	5.28	5.32	48364	48364	1	201	9721103	.00
	2	5.35	5.33	5.37	45575	45575	1	201	9160653	.00
	3	5.50	5.48	5.52	43002	43002	1	201	8643405	.00
	4	5.57	5.55	5.59	11163	11163	1	201	2243786	.00
	5	5.72	5.70	5.74	18011	18011	1	201	3620238	.00
	6	5.92	5.90	5.94	141221	141221	1	201	28385350	.00

File Name: V:\CP7\07PCBS1728401b.CAL
Version: 9

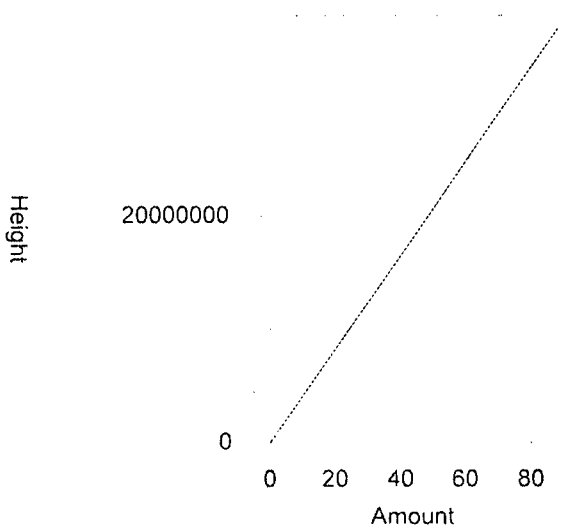
Creator:
Description:
Reason for change:

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

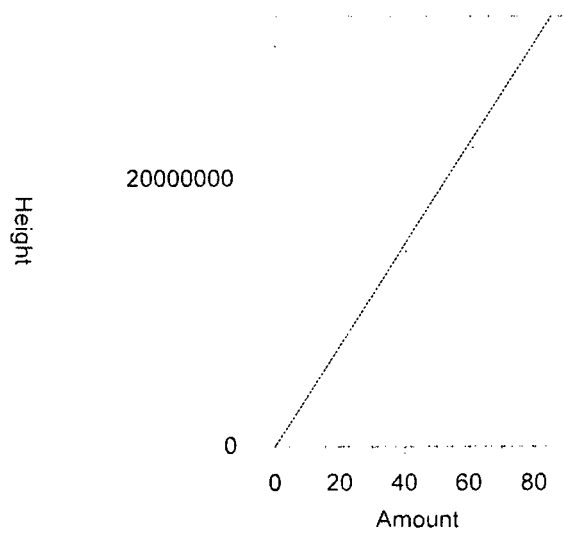
Y = 414527.4 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9987453
Average error:	1.977%
Average CF:	414527.4
RSD:	2.969%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	832095.8	416047.9	0.367	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000
2	4	1568783	392195.8	-5.387	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000
3	20	8474571	423728.6	2.220	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.000
4	40	1.662099E+07	415524.8	0.241	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001
5	60.8	2.506613E+07	412271.9	-0.544	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001
6	80	3.419165E+07	427395.6	3.104	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.001

2 DCB



Expected retention time:	6.084 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 = 378555.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9962716
Average error:	5.388%
Average CF:	378555.8
RSD:	7.172%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	864063.6	429882.4	13.559	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(
2	4.02	1561446	388419.4	2.606	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(
3	20.12	7246212	360149.7	-4.862	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(
4	40.24	1.459791E+07	362771.1	-4.170	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(
5	61.16	2.238017E+07	365928.2	-3.336	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(
6	80.48	2.930952E+07	364183.9	-3.797	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001B.(

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract: -

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	6.59	6.60	6.59	6.59	6.56	6.62

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.47E+05	1.35E+05	1.49E+05	1.50E+05	1.48E+05	1.52E+05	1.47E+05	4
Decachlorobiphenyl	1.29E+05	1.10E+05	1.12E+05	1.12E+05	1.11E+05	1.12E+05	1.14E+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: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	2742	2367	1	25.25	69223	9.63
	1				2411		2	50.5	121766	
	1				2425		3	101	244934	
	1				2356		4	202	476010	
	1				2179		5	505	1100373	
	1				2086		6	1010	2107103	
	2	3.39	3.37	3.41	2625	2334	1	25.25	66279	8.29
	2				2480		2	50.5	125257	
	2				2325		3	101	234864	
	2				2305		4	202	465689	
	2				2141		5	505	1081253	
	2				2127		6	1010	2147908	
	3	3.51	3.49	3.53	3150	2868	1	25.25	79545	6.55
	3				2998		2	50.5	151417	
	3				2889		3	101	291792	
	3				2822		4	202	570065	
	3				2701		5	505	1363805	
	3				2647		6	1010	2673266	
	4	3.72	3.70	3.74	3818	3537	1	25.25	96416	4.66
	4				3550		2	50.5	179283	
	4				3613		3	101	364951	
	4				3464		4	202	699688	
	4				3420		5	505	1727062	
	4				3359		6	1010	3392173	
	5	3.78	3.76	3.80	3327	3116	1	25.25	84000	3.70
	5				3039		2	50.5	153449	
	5				3106		3	101	313699	
	5				3155		4	202	637324	
	5				3012		5	505	1521255	
	5				3054		6	1010	3085021	
	6	3.97	3.95	3.99	2534	2259	1	25.25	63993	7.25
	6				2329		2	50.5	117592	
	6				2276		3	101	229846	
	6				2218		4	202	448050	
	6				2108		5	505	1064354	
	6				2090		6	1010	2111336	
Aroclor-1221	1	3.08	3.06	3.10	1302	1302	1	200.24	260646	.00
	2	3.13	3.11	3.15	1150	1150	1	200.24	230329	.00
	3	3.18	3.16	3.20	3595	3595	1	200.24	719772	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	2832	2832	1	200.6	568088	.00
	2	3.40	3.38	3.42	1070	1070	1	200.6	214642	.00
	3	3.51	3.49	3.53	1330	1330	1	200.6	266721	.00
	4	3.72	3.70	3.74	1689	1689	1	200.6	338885	.00
	5	3.78	3.76	3.80	1436	1436	1	200.6	287981	.00
	6	3.97	3.95	3.99	944	944	1	200.6	189462	.00
Aroclor-1242	1	3.18	3.16	3.20	1958	1958	1	200	391670	.00
	2	3.40	3.38	3.42	1840	1840	1	200	368055	.00
	3	3.51	3.49	3.53	2319	2319	1	200	463704	.00
	4	3.72	3.70	3.74	2834	2834	1	200	566784	.00
	5	3.78	3.76	3.80	2444	2444	1	200	488760	.00
	6	3.97	3.95	3.99	1809	1809	1	200	361898	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	1690	1520	1	25.08	42381	10.77
	1				1710		2	50.16	85760	
	1				1592		3	100.32	159661	
	1				1420		4	200.64	284909	
	1				1346		5	501.6	674909	
	1				1366		6	1003.2	1370190	
	2	3.78	3.76	3.80	1910	1758	1	25.08	47905	8.21
	2				1925		2	50.16	96540	
	2				1815		3	100.32	182079	
	2				1672		4	200.64	335470	
	2				1593		5	501.6	798881	
	2				1635		6	1003.2	1639958	
	3	3.85	3.83	3.87	3326	2842	1	25.08	83415	11.84
	3				3112		2	50.16	156075	
	3				2935		3	100.32	294444	
	3				2586		4	200.64	518775	
	3				2476		5	501.6	1242119	
	3				2616		6	1003.2	2624570	
	4	3.98	3.96	4.00	3734	3304	1	25.08	93655	9.03
	4				3555		2	50.16	178297	
	4				3363		3	100.32	337334	
	4				3097		4	200.64	621388	
	4				2969		5	501.6	1489350	
	4				3106		6	1003.2	3115918	
	5	4.06	4.04	4.08	3009	2788	1	25.08	75476	6.65
	5				3023		2	50.16	151610	
	5				2770		3	100.32	277860	
	5				2655		4	200.64	532744	
	5				2592		5	501.6	1300284	
	5				2680		6	1003.2	2688972	
	6	4.24	4.22	4.26	3153	2828	1	25.08	79068	7.69
	6				2903		2	50.16	145614	
	6				2801		3	100.32	281014	
	6				2658		4	200.64	533289	
	6				2532		5	501.6	1269906	
	6				2919		6	1003.2	2928154	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.56	4.54	4.58	4065	3679	1	25.15	102230	6.88
	1				3823		2	50.3	192291	
	1				3672		3	100.6	369371	
	1				3424		4	251.5	861164	
	1				3387		5	503	1703867	
	1				3706		6	1006	3727862	
	2	4.63	4.61	4.65	7764	7138	1	25.15	195271	5.99
	2				7325		2	50.3	368448	
	2				6941		3	100.6	698269	
	2				6635		4	251.5	1668613	
	2				6775		5	503	3408002	
	2				7390		6	1006	7434070	
	3	4.75	4.73	4.77	2746	2290	1	25.15	69058	12.31
	3				2507		2	50.3	126086	
	3				2227		3	100.6	224080	
	3				2180		4	251.5	548174	
	3				2002		5	503	1007231	
	3				2080		6	1006	2092484	
	4	4.84	4.82	4.86	5637	5203	1	25.15	141764	4.70
	4				5279		2	50.3	265517	
	4				5075		3	100.6	510537	
	4				4937		4	251.5	1241613	
	4				5072		5	503	2551381	
	4				5216		6	1006	5247496	
	5	5.03	5.01	5.05	4170	3860	1	25.15	104883	6.33
	5				3956		2	50.3	198974	
	5				3701		3	100.6	372310	
	5				3630		4	251.5	913045	
	5				3611		5	503	1816556	
	5				4090		6	1006	4114681	
	6	5.15	5.13	5.17	5900	5246	1	25.15	148377	6.55
	6				5277		2	50.3	265408	
	6				5140		3	100.6	517130	
	6				5026		4	251.5	1264105	
	6				4929		5	503	2479515	
	6				5204		6	1006	5234809	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	5754	5162	1	25.21	145046	6.18
	1				5108		2	50.41	257489	
	1				5173		3	100.82	521511	
	1				5103		4	201.64	1028976	
	1				4791		5	504.1	2414911	
	1				5042		6	1008.2	5082846	
	2	4.95	4.93	4.97	6819	6266	1	25.21	171907	4.74
	2				6281		2	50.41	316609	
	2				6156		3	100.82	620614	
	2				6301		4	201.64	1270567	
	2				6006		5	504.1	3027382	
	2				6035		6	1008.2	6084884	
	3	5.15	5.13	5.17	8027	7789	1	25.21	202363	2.42
	3				7794		2	50.41	392912	
	3				7646		3	100.82	770859	
	3				7865		4	201.64	1585885	
	3				7502		5	504.1	3781575	
	3				7902		6	1008.2	7966410	
	4	5.38	5.36	5.40	4386	3975	1	25.21	110580	5.75
	4				4016		2	50.41	202440	
	4				3862		3	100.82	389354	
	4				3936		4	201.64	793625	
	4				3701		5	504.1	1865858	
	4				3946		6	1008.2	3978470	
	5	5.62	5.60	5.64	11541	10727	1	25.21	290957	4.22
	5				10329		2	50.41	520694	
	5				10562		3	100.82	1064861	
	5				10729		4	201.64	2163371	
	5				10331		5	504.1	5207845	
	5				10867		6	1008.2	10955880	
	6	5.82	5.80	5.84	7286	6560	1	25.21	183692	5.75
	6				6571		2	50.41	331234	
	6				6356		3	100.82	640854	
	6				6267		4	201.64	1263615	
	6				6322		5	504.1	3186838	
	6				6557		6	1008.2	6611228	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1728901

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	6298	6298	1	200.8	1264556	.00
	2	5.38	5.36	5.40	5304	5304	1	200.8	1065136	.00
	3	5.62	5.60	5.64	13514	13514	1	200.8	2713576	.00
	4	5.82	5.80	5.84	8619	8619	1	200.8	1730610	.00
	5	5.88	5.86	5.90	4187	4187	1	200.8	840759	.00
	6	6.25	6.23	6.27	5168	5168	1	200.8	1037727	.00
Aroclor-1268	1	5.82	5.80	5.84	15226	15226	1	201	3060496	.00
	2	5.88	5.86	5.90	13200	13200	1	201	2653105	.00
	3	6.01	5.99	6.03	11864	11864	1	201	2384634	.00
	4	6.08	6.06	6.10	3173	3173	1	201	637730	.00
	5	6.25	6.23	6.27	5335	5335	1	201	1072416	.00
	6	6.45	6.43	6.47	43733	43733	1	201	8790361	.00

File Name: V:\CP25\25PCBS1728901.CAL
Version: 8

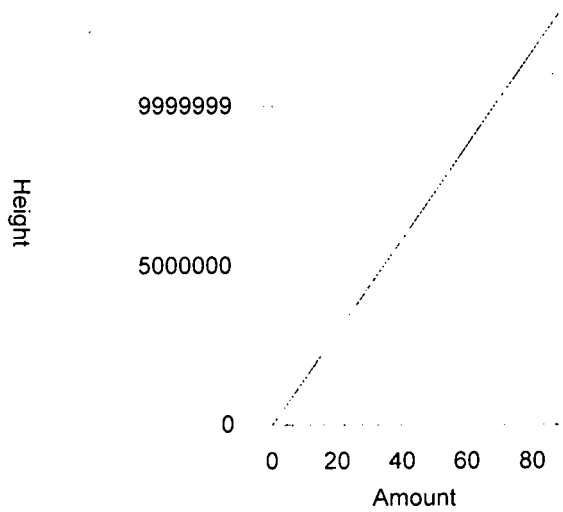
Creator:
Description:
Reason for change:

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:	2.93 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

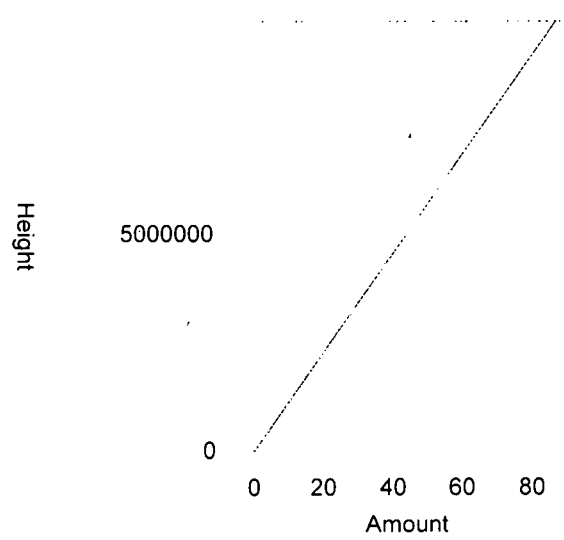
Y = 146685.1 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9982057
Average error:	2.755%
Average CF:	146685.1
RSD:	4.172%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	293018.3	146509.2	-0.120	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.E
2	4	538957.9	134739.5	-8.144	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.E
3	20	2973586	148679.3	1.360	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.009.E
4	40	5997971	149949.3	2.225	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.E
5	60.8	9018581	148331.9	1.123	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.011.E
6	80	1.215211E+07	151901.4	3.556	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.012.E

2 DCB



Expected retention time:	6.594 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 = 114254.5 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9985009
Average error:	4.380%
Average CF:	114254.5
RSD:	6.492%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	259827.3	129267.3	13.140	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.007.B
2	4.02	440399.4	109552.1	-4.116	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.008.B
3	20.12	2261102	112380.8	-1.640	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.009.B
4	40.24	4488864	111552.3	-2.365	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.010.B
5	61.16	6787356	110977	-2.869	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.011.B
6	80.48	8997452	111797.4	-2.151	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.012.B

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	2.62	2.62	2.61	2.62	2.62	2.62	2.59	2.65
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: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	2.64E+05	2.36E+05	2.67E+05	2.77E+05	2.83E+05	2.69E+05	2.66E+05	6
Decachlorobiphenyl	4.01E+05	3.58E+05	3.60E+05	3.77E+05	3.57E+05	3.69E+05	3.70E+05	5

Average % RSD: 6

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	4941	4266	1	25.25	124767	10.26
	1				4377		2	50.5	221050	
	1				4390		3	101	443389	
	1				4316		4	202	871855	
	1				3854		5	505	1946273	
	1				3716		6	1010	3753429	
	2	3.23	3.21	3.25	6056	5365	1	25.25	152923	8.10
	2				5503		2	50.5	277920	
	2				5436		3	101	549056	
	2				5371		4	202	1085028	
	2				5032		5	505	2541111	
	2				4790		6	1010	4838058	
	3	3.42	3.40	3.44	6386	5863	1	25.25	161248	4.67
	3				5720		2	50.5	288851	
	3				5869		3	101	592781	
	3				5853		4	202	1182346	
	3				5747		5	505	2902247	
	3				5602		6	1010	5658410	
	4	3.49	3.47	3.51	6731	6436	1	25.25	169968	2.60
	4				6343		2	50.5	320341	
	4				6363		3	101	642644	
	4				6542		4	202	1321464	
	4				6323		5	505	3193042	
	4				6315		6	1010	6378178	
	5	3.55	3.53	3.57	5265	4719	1	25.25	132933	6.89
	5				4881		2	50.5	246469	
	5				4736		3	101	478312	
	5				4608		4	202	930792	
	5				4375		5	505	2209338	
	5				4447		6	1010	4491786	
	6	3.65	3.63	3.67	6247	5678	1	25.25	157729	5.34
	6				5674		2	50.5	286561	
	6				5606		3	101	566247	
	6				5692		4	202	1149742	
	6				5460		5	505	2757140	
	6				5389		6	1010	5443392	
Aroclor-1221	1	2.79	2.77	2.81	2665	2665	1	200.24	533632	.00
	2	2.85	2.83	2.87	1643	1643	1	200.24	329067	.00
	3	2.90	2.88	2.92	6481	6481	1	200.24	1297709	.00

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	5081	5081	1	200.6	1019209	.00
	2	3.23	3.21	3.25	2546	2546	1	200.6	510766	.00
	3	3.42	3.40	3.44	2764	2764	1	200.6	554400	.00
	4	3.49	3.47	3.51	2815	2815	1	200.6	564716	.00
	5	3.55	3.53	3.57	1950	1950	1	200.6	391110	.00
	6	3.65	3.63	3.67	2389	2389	1	200.6	479296	.00
Aroclor-1242	1	2.90	2.88	2.92	3433	3433	1	200	686675	.00
	2	3.23	3.21	3.25	4268	4268	1	200	853510	.00
	3	3.42	3.40	3.44	4701	4701	1	200	940100	.00
	4	3.49	3.47	3.51	5189	5189	1	200	1037793	.00
	5	3.55	3.53	3.57	3759	3759	1	200	751800	.00
	6	3.65	3.63	3.67	4600	4600	1	200	919960	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	2874	2413	1	25.08	72073	12.56
	1				2647		2	50.16	132752	
	1				2446		3	100.32	245360	
	1				2232		4	200.64	447860	
	1				2069		5	501.6	1037805	
	1				2211		6	1003.2	2218366	
	2	3.49	3.47	3.51	4170	3686	1	25.08	104593	10.02
	2				4084		2	50.16	204864	
	2				3706		3	100.32	371818	
	2				3444		4	200.64	691017	
	2				3277		5	501.6	1643701	
	2				3435		6	1003.2	3445522	
	3	3.53	3.51	3.55	7454	6327	1	25.08	186943	11.54
	3				6886		2	50.16	345423	
	3				6386		3	100.32	640653	
	3				5791		4	200.64	1161872	
	3				5552		5	501.6	2784918	
	3				5891		6	1003.2	5909478	
	4	3.65	3.63	3.67	8803	7901	1	25.08	220775	7.74
	4				8407		2	50.16	421718	
	4				7976		3	100.32	800185	
	4				7502		4	200.64	1505262	
	4				7205		5	501.6	3614194	
	4				7514		6	1003.2	7537866	
	5	3.74	3.72	3.76	6243	5714	1	25.08	156565	7.41
	5				6076		2	50.16	304793	
	5				5791		3	100.32	580919	
	5				5286		4	200.64	1060664	
	5				5169		5	501.6	2592914	
	5				5721		6	1003.2	5739088	
	6	3.88	3.86	3.90	11370	10592	1	25.08	285148	5.21
	6				11109		2	50.16	557245	
	6				10411		3	100.32	1044414	
	6				10192		4	200.64	2044953	
	6				9915		5	501.6	4973394	
	6				10556		6	1003.2	10590060	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.18	4.16	4.20	9612	9130	1	25.15	241737	3.77
	1				9287		2	50.3	467136	
	1				8994		3	100.6	904764	
	1				8645		4	251.5	2174109	
	1				8921		5	503	4487368	
	1				9324		6	1006	9379964	
	2	4.24	4.22	4.26	16252	16013	1	25.15	408740	3.24
	2				15698		2	50.3	789607	
	2				15471		3	100.6	1556351	
	2				15969		4	251.5	4016165	
	2				15764		5	503	7929340	
	2				16923		6	1006	17024470	
	3	4.33	4.31	4.35	8324	7469	1	25.15	209338	5.84
	3				7535		2	50.3	379000	
	3				7251		3	100.6	729442	
	3				7193		4	251.5	1809147	
	3				7220		5	503	3631538	
	3				7289		6	1006	7332348	
	4	4.40	4.38	4.42	10790	10322	1	25.15	271363	5.23
	4				9660		2	50.3	485922	
	4				10361		3	100.6	1042275	
	4				9770		4	251.5	2457273	
	4				10324		5	503	5193105	
	4				11026		6	1006	11091930	
	5	4.61	4.59	4.63	7304	7434	1	25.15	183687	5.34
	5				7066		2	50.3	355398	
	5				7356		3	100.6	740049	
	5				7250		4	251.5	1823462	
	5				7425		5	503	3734793	
	5				8205		6	1006	8254354	
	6	4.69	4.67	4.71	11537	11134	1	25.15	290146	4.21
	6				11287		2	50.3	567747	
	6				11333		3	100.6	1140145	
	6				10505		4	251.5	2641970	
	6				10584		5	503	5323949	
	6				11555		6	1006	11624810	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.46	4.44	4.48	14680	14212	1	25.21	370093	2.62
	1				13623		2	50.41	686715	
	1				14027		3	100.82	1414225	
	1				14508		4	201.64	2925361	
	1				14274		5	504.1	7195716	
	1				14161		6	1008.2	14276920	
	2	4.56	4.54	4.58	11121	10869	1	25.21	280365	3.14
	2				10357		2	50.41	522092	
	2				10580		3	100.82	1066682	
	2				11272		4	201.64	2272871	
	2				10956		5	504.1	5522907	
	2				10926		6	1008.2	11015160	
	3	4.69	4.67	4.71	13280	13203	1	25.21	334792	4.83
	3				12292		2	50.41	619654	
	3				12666		3	100.82	1276967	
	3				13750		4	201.64	2772585	
	3				13246		5	504.1	6677144	
	3				13982		6	1008.2	14096920	
	4	4.91	4.89	4.93	8988	8762	1	25.21	226575	2.08
	4				8575		2	50.41	432265	
	4				8671		3	100.82	874171	
	4				8656		4	201.64	1745307	
	4				8685		5	504.1	4377946	
	4				8997		6	1008.2	9070288	
	5	5.10	5.08	5.12	20483	21239	1	25.21	516389	5.06
	5				19676		2	50.41	991856	
	5				21156		3	100.82	2132908	
	5				21889		4	201.64	4413764	
	5				21487		5	504.1	10831590	
	5				22745		6	1008.2	22931020	
	6	5.36	5.34	5.38	14716	15096	1	25.21	370988	5.23
	6				14127		2	50.41	712118	
	6				14853		3	100.82	1497503	
	6				15165		4	201.64	3057777	
	6				15220		5	504.1	7672535	
	6				16494		6	1008.2	16628970	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1728901B

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

ICAL Date(s) Analyzed: 10/16/2017 10/16/2017

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	13886	13886	1	200.8	2788268	.00
	2	4.91	4.89	4.93	13630	13630	1	200.8	2737003	.00
	3	5.11	5.09	5.13	29557	29557	1	200.8	5935056	.00
	4	5.32	5.30	5.34	11492	11492	1	200.8	2307562	.00
	5	5.37	5.35	5.39	19309	19309	1	200.8	3877180	.00
	6	5.74	5.72	5.76	13319	13319	1	200.8	2674358	.00
Aroclor-1268	1	5.32	5.30	5.34	36114	36114	1	201	7258856	.00
	2	5.37	5.35	5.39	35424	35424	1	201	7120308	.00
	3	5.52	5.50	5.54	32310	32310	1	201	6494218	.00
	4	5.59	5.57	5.61	8133	8133	1	201	1634750	.00
	5	5.74	5.72	5.76	15501	15501	1	201	3115708	.00
	6	5.94	5.92	5.96	141067	141067	1	201	28354480	.00

File Name: V:\CP25\25PCBS1728901b.CAL
Version: 8

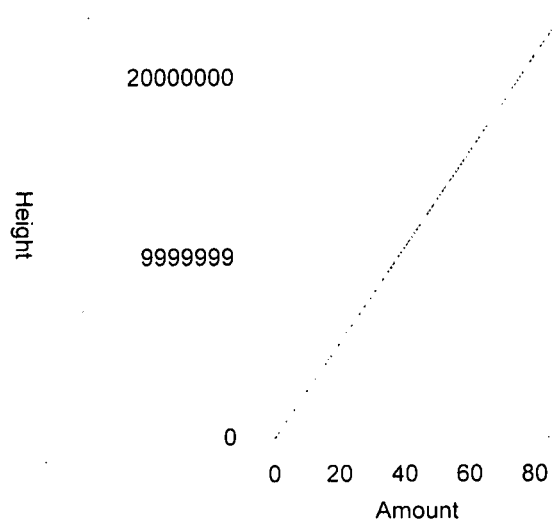
Creator:
Description:
Reason for change:

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: 2.614 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

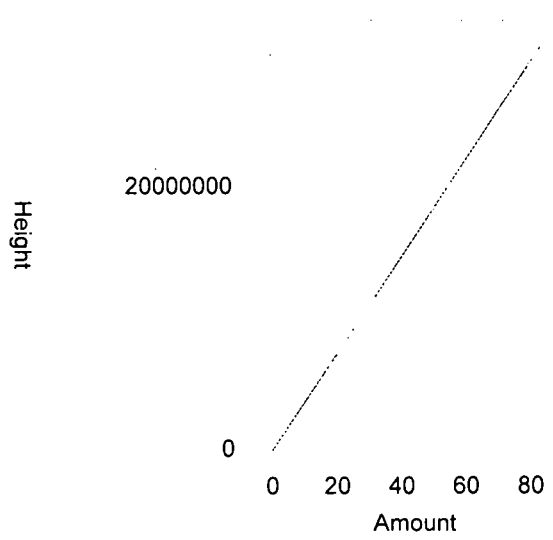
Single peak quantification by height

Y = 266059.6 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9964158
Average error: 4.111%
Average CF: 266059.6
RSD: 6.190%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	527193.9	263596.9	-0.926	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.007
2	4	942845.6	235711.4	-11.407	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.008
3	20	5345393	267269.7	0.455	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.009
4	40	1.109673E+07	277418.3	4.269	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.010
5	60.8	1.720834E+07	283031.9	6.379	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.011
6	80	2.154634E+07	269329.3	1.229	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B.012

2 DCB



Expected retention time:	6.096 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 = 370230.6 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9988856
Average error:	3.400%
Average CF:	370230.6
RSD:	4.607%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	806745.4	401365.9	8.410	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B
2	4.02	1437204	357513.4	-3.435	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B
3	20.12	7235337	359609.2	-2.869	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B
4	40.24	1.516473E+07	376857.1	1.790	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B
5	61.16	2.186036E+07	357429	-3.458	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B
6	80.48	2.966566E+07	368609.1	-0.438	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001B

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: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 0:57

Lab File ID: 07PCBS17284001.0032.RAW Initial Calibration: 07PCBS1728401

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

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	40.87	40.00	2
Decachlorobiphenyl	6.60	6.57	6.63	40.46	40.24	1
Aroclor-1016	3.19	3.17	3.21	201.23	201.00	0
	3.40	3.38	3.42	201.48	201.00	0
	3.52	3.50	3.54	201.32	201.00	0
	3.73	3.71	3.75	200.00	201.00	0
	3.79	3.77	3.81	193.47	201.00	-4
	3.98	3.96	4.00	190.76	201.00	-5
Aroclor-1260	4.76	4.74	4.78	183.02	201.80	-9
	4.96	4.94	4.98	177.28	201.80	-12
	5.16	5.14	5.18	182.83	201.80	-9
	5.39	5.37	5.41	194.34	201.80	-4
	5.63	5.61	5.65	175.70	201.80	-13
	5.83	5.81	5.85	186.85	201.80	-7

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: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 0:57

Lab File ID: 07PCBS17284001B.0032.RAW Initial Calibration: 07PCBS1728401B

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

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	41.52	40.00	4
Decachlorobiphenyl	6.08	6.05	6.11	36.51	40.24	-9
Aroclor-1016	2.88	2.86	2.90	199.57	201.00	-1
	3.21	3.19	3.23	204.91	201.00	2
	3.40	3.38	3.42	195.65	201.00	-3
	3.47	3.45	3.49	204.25	201.00	2
	3.53	3.51	3.55	198.08	201.00	-1
	3.63	3.61	3.65	194.84	201.00	-3
Aroclor-1260	4.44	4.42	4.46	181.82	201.80	-10
	4.54	4.52	4.56	189.46	201.80	-6
	4.67	4.65	4.69	181.18	201.80	-10
	4.89	4.87	4.91	190.42	201.80	-6
	5.08	5.06	5.10	186.44	201.80	-8
	5.34	5.32	5.36	193.43	201.80	-4

Compounds 14 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:09

Lab File ID: 07PCBS17284001.0033.RAW Initial Calibration: 07PCBS1728401

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

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	39.95	40.00	0
Decachlorobiphenyl	6.60	6.57	6.63	38.57	40.24	-4
Aroclor-1248	3.73	3.71	3.75	189.66	200.60	-5
	3.79	3.77	3.81	201.14	200.60	0
	3.86	3.84	3.88	203.97	200.60	2
	3.98	3.96	4.00	202.34	200.60	1
	4.07	4.05	4.09	207.80	200.60	4
	4.25	4.23	4.27	211.58	200.60	5

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:09

Lab File ID: 07PCBS17284001B.0033.RAW Initial Calibration: 07PCBS1728401B

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

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	38.45	40.00	-4
Decachlorobiphenyl	6.08	6.05	6.11	37.55	40.24	-7
Aroclor-1248	3.40	3.38	3.42	180.28	200.60	-10
	3.47	3.45	3.49	190.29	200.60	-5
	3.51	3.49	3.53	195.57	200.60	-3
	3.63	3.61	3.65	199.17	200.60	-1
	3.72	3.70	3.74	199.57	200.60	-1
	3.85	3.84	3.88	201.82	200.60	1

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 1:20

Lab File ID: 07PCBS17284001.0034.RAW Initial Calibration: 07PCBS1728401

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

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	19.32	20.15	-4
Decachlorobiphenyl	6.60	6.57	6.63	18.38	20.19	-9
Aroclor-1254	4.23	4.21	4.25	212.42	250.00	-15
	4.34	4.32	4.36	212.14	250.00	-15
	4.57	4.55	4.59	214.81	250.00	-14
	4.63	4.61	4.65	219.99	250.00	-12
	5.04	5.02	5.06	215.02	250.00	-14
	5.16	5.14	5.18	215.12	250.00	-14

Compounds 8 Average of %D: 12

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 1:20

Lab File ID: 07PCBS17284001B.0034.RAW Initial Calibration: 07PCBS1728401B

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

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	18.68	20.15	-7
Decachlorobiphenyl	6.08	6.05	6.11	18.65	20.19	-8
Aroclor-1254	4.21	4.19	4.23	201.99	250.00	-19
	4.30	4.28	4.32	195.13	250.00	-22
	4.37	4.35	4.39	211.31	250.00	-15
	4.44	4.42	4.46	204.90	250.00	-18
	4.59	4.57	4.61	205.71	250.00	-18
	4.67	4.65	4.69	215.21	250.00	-14

Compounds 8 Average of %D: 15

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1 ID: .32 (mm)
Time Analyzed: 0:33
Lab File ID: 25PCBS17289001.032.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	44.22	40.00	11
Decachlorobiphenyl	6.60	6.56	6.62	40.56	40.24	1
Aroclor-1016	3.18	3.16	3.20	204.79	201.00	2
	3.40	3.37	3.41	215.03	201.00	7
	3.51	3.49	3.53	217.64	201.00	8
	3.72	3.70	3.74	210.45	201.00	5
	3.78	3.76	3.80	217.95	201.00	8
	3.97	3.95	3.99	201.57	201.00	0
Aroclor-1260	4.75	4.73	4.77	197.57	201.80	-2
	4.95	4.93	4.97	201.55	201.80	0
	5.15	5.13	5.17	199.43	201.80	-1
	5.38	5.36	5.40	201.91	201.80	0
	5.62	5.60	5.64	197.67	201.80	-2
	5.82	5.80	5.84	203.70	201.80	1

Compounds 14 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code: Case No.: SAS No.: SDG No.:
Instrument: 18274B
Date Analyzed: 10/17/17
GC Column (2) : MR-2 ID: .32 (mm)
Time Analyzed: 0:33
Lab File ID: 25PCBS17289001B.032.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	43.31	40.00	8
Decachlorobiphenyl	6.10	6.07	6.13	42.92	40.24	7
Aroclor-1016	2.90	2.88	2.92	205.13	201.00	2
	3.23	3.21	3.25	213.39	201.00	6
	3.42	3.40	3.44	211.42	201.00	5
	3.49	3.47	3.51	215.39	201.00	7
	3.55	3.53	3.57	220.73	201.00	10
	3.65	3.63	3.67	208.70	201.00	4
Aroclor-1260	4.46	4.44	4.48	200.75	201.80	-1
	4.56	4.54	4.58	211.55	201.80	5
	4.69	4.67	4.71	191.61	201.80	-5
	4.91	4.89	4.93	207.04	201.80	3
	5.10	5.08	5.12	220.97	201.80	9
	5.36	5.34	5.38	212.39	201.80	5

Compounds 14 Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1
ID: .32 (mm)
Time Analyzed: 0:45
Lab File ID: 25PCBS17289001.033.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	39.47	40.00	-1
Decachlorobiphenyl	6.60	6.56	6.62	38.72	40.24	-4
Aroclor-1248	3.72	3.71	3.75	187.86	200.60	-6
	3.78	3.76	3.80	193.23	200.60	-4
	3.85	3.83	3.87	191.00	200.60	-5
	3.97	3.96	4.00	195.60	200.60	-2
	4.06	4.04	4.08	203.14	200.60	1
	4.24	4.22	4.26	211.13	200.60	5

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: 10/17/17
GC Column (2) : MR-2
ID: .32 (mm)
Time Analyzed: 0:45
Lab File ID: 25PCBS17289001B.033.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC48XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.62	2.58	2.64	40.86	40.00	2
Decachlorobiphenyl	6.10	6.07	6.13	38.20	40.24	-5
Aroclor-1248	3.42	3.40	3.44	177.32	200.60	-12
	3.49	3.47	3.51	184.27	200.60	-8
	3.53	3.51	3.55	198.46	200.60	-1
	3.65	3.63	3.67	201.12	200.60	0
	3.74	3.72	3.76	199.80	200.60	0
	3.88	3.86	3.90	200.24	200.60	0

Compounds 8
Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 18274A
Date Analyzed: 10/17/17
GC Column (1) : MR-1
ID: .32 (mm)
Time Analyzed: 0:56
Lab File ID: 25PCBS17289001.034.RAW
Initial Calibration: 25PCBS1728901
Lab Standard ID: IC54XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	20.52	20.15	2
Decachlorobiphenyl	6.60	6.56	6.62	20.11	20.19	0
Aroclor-1254	4.56	4.54	4.58	234.75	250.00	-6
	4.62	4.61	4.65	240.56	250.00	-4
	4.75	4.73	4.77	235.70	250.00	-6
	4.83	4.82	4.86	244.89	250.00	-2
	5.03	5.01	5.05	241.19	250.00	-4
	5.15	5.13	5.17	234.66	250.00	-6

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: 10/17/17
GC Column (2) : MR-2 ID: .32 (mm)
Time Analyzed: 0:56
Lab File ID: 25PCBS17289001B.034.RAW
Initial Calibration: 25PCBS1728901B
Lab Standard ID: IC54XAA
Init. Calib Date(s): 10/16/17 10/16/17
Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	21.01	20.15	4
Decachlorobiphenyl	6.10	6.07	6.13	19.42	20.19	-4
Aroclor-1254	4.17	4.16	4.20	238.24	250.00	-5
	4.23	4.22	4.26	242.04	250.00	-3
	4.33	4.31	4.35	239.95	250.00	-4
	4.39	4.38	4.42	239.85	250.00	-4
	4.61	4.59	4.63	245.01	250.00	-2
	4.69	4.67	4.71	245.30	250.00	-2

Compounds 8
Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 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: 18274A Date Analyzed: 10/16/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 12:57

Lab File ID: 25PCBS17284003.100.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: AR164MS 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	40.21	40.00	1
Decachlorobiphenyl	6.60	6.57	6.63	41.15	40.24	2
Aroclor-1016	3.18	3.16	3.20	176.99	202.00	-12
	3.40	3.38	3.42	187.74	202.00	-7
	3.51	3.49	3.53	188.12	202.00	-7
	3.73	3.71	3.75	202.91	202.00	0
	3.78	3.76	3.80	200.35	202.00	-1
	3.98	3.96	4.00	216.27	202.00	7
Aroclor-1260	4.75	4.73	4.77	207.36	201.64	3
	4.95	4.93	4.97	212.88	201.64	6
	5.15	5.13	5.17	218.27	201.64	8
	5.38	5.36	5.40	208.00	201.64	3
	5.62	5.60	5.64	217.50	201.64	8
	5.82	5.80	5.84	209.93	201.64	4

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: 10/16/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 12:57

Lab File ID: 25PCBS17284003B.100.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: AR164MS 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	40.58	40.00	1
Decachlorobiphenyl	6.10	6.07	6.13	36.16	40.24	-10
Aroclor-1016	2.90	2.88	2.92	178.11	202.00	-12
	3.23	3.21	3.25	186.99	202.00	-7
	3.42	3.40	3.44	209.55	202.00	4
	3.49	3.47	3.51	211.35	202.00	5
	3.55	3.53	3.57	183.32	202.00	-9
	3.66	3.64	3.68	219.44	202.00	9
Aroclor-1260	4.33	4.31	4.35	214.11	201.64	6
	4.46	4.44	4.48	246.30	201.64	22
	4.56	4.55	4.59	231.61	201.64	15
	4.91	4.89	4.93	210.68	201.64	4
	5.11	5.09	5.13	236.45	201.64	17
	5.36	5.34	5.38	209.33	201.64	4

Compounds 14 Average of %D: 9

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKUQ ID: UQ **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274A
Result file : 25PCBS17284003.101.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 100% (61-152) Conc.: 0.201114
%SSR(DCB) : 100% (48-164) Conc.: 0.20115

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**58.77**	
3.38	3.38	3.42	649.0012	0.002658			2
3.49	3.50	3.53	3003.033	0.009603			3
3.71	3.72	3.75	1675.902	0.004695			4
3.76	3.77	3.80	1632.505	0.005289			5
+ 3.76	3.80	3.80	1338.501	0.004337			5
3.96	3.99	4.00	498.804	0.002401			6
Height Summation:			**7459.2452**				
Amount Avg CF:			**0.004929**	Linear:			
Aroclor-1221					**2**	**139.28**	
3.06	3.07	3.10	323.0607	0.002868			1
3.11	3.13	3.15	37337.93	0.376482			2
Height Summation:			**37660.9907**				
Amount Avg CF:			**0.189675**	Linear:			
Aroclor-1232					**5**	**56.66**	
3.38	3.38	3.42	649.0012	0.006452			2
3.49	3.50	3.53	3003.033	0.022108			3
3.70	3.72	3.74	1675.902	0.010148			4
3.76	3.77	3.80	1632.505	0.013393			5
+ 3.76	3.80	3.80	1338.501	0.010981			5
3.95	3.99	3.99	498.804	0.006011			6
Height Summation:			**7459.2452**				
Amount Avg CF:			**0.011622**	Linear:			
Aroclor-1242					**5**	**58.41**	
3.37	3.38	3.41	649.0012	0.002103			2
3.49	3.50	3.53	3003.033	0.007253			3
3.70	3.72	3.74	1675.902	0.003259			4
3.76	3.77	3.80	1632.505	0.004137			5
+ 3.76	3.80	3.80	1338.501	0.003392			5
3.95	3.99	3.99	498.804	0.001867			6
Height Summation:			**7459.2452**				
Amount Avg CF:			**0.003724**	Linear:			
Aroclor-1248					**5**	**67.58**	
3.71	3.72	3.75	1675.902	0.008602			1
3.76	3.77	3.80	1632.505	0.009683			2
+ 3.76	3.80	3.80	1338.501	0.007939			2
3.83	3.87	3.87	441.0249	0.00173			3
3.98	3.99	4.02	498.804	0.006307			4
4.04	4.06	4.08	403.4332	0.001616			5
Height Summation:			**4651.6691**				
Amount Avg CF:			**0.005588**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274B
Result file : 25PCBS17284003B.101.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 0.202619
%SSR(DCB) : 92% (48-164) Conc.: 0.184744

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**101.42**	
+ 3.21	3.22	3.25	932.7838	0.001611			2
3.21	3.23	3.25	973.8275	0.001681			2
+ 3.21	3.24	3.25	918.6257	0.001586			2
+ 3.40	3.40	3.44	470.3066	0.000827			3
+ 3.40	3.41	3.44	454.4306	0.000799			3
3.40	3.41	3.44	1010.736	0.001778			3
+ 3.47	3.48	3.51	378.5258	0.000606			4
+ 3.47	3.48	3.51	760.2261	0.001216			4
3.47	3.49	3.51	1200.588	0.001921			4
+ 3.53	3.55	3.57	508.1796	0.000977			5
3.53	3.56	3.57	4689.152	0.009017			5
+ 3.64	3.65	3.68	706.0325	0.001344			6
+ 3.64	3.66	3.68	479.9113	0.000914			6
3.64	3.67	3.68	855.569	0.001629			6
Height Summation:			**8729.8725**				
Amount Avg CF:			**0.003205**	Linear:			
Aroclor-1221					**1**		
2.83	2.83	2.87	79083.81	0.569084			2
Height Summation:			**79083.81**				
Amount Avg CF:			**0.569084**	Linear:			
Aroclor-1232					**5**	**114.78**	
+ 3.21	3.22	3.25	932.7838	0.003639			2
3.21	3.23	3.25	973.8275	0.0038			2
+ 3.21	3.24	3.25	918.6257	0.003584			2
+ 3.40	3.40	3.44	470.3066	0.001859			3
+ 3.40	3.41	3.44	454.4306	0.001797			3
3.40	3.41	3.44	1010.736	0.003996			3
+ 3.47	3.48	3.51	378.5258	0.001453			4
+ 3.47	3.48	3.51	760.2261	0.002917			4
3.47	3.49	3.51	1200.588	0.004607			4
+ 3.53	3.55	3.57	508.1796	0.002863			5
3.53	3.56	3.57	4689.152	0.02642			5
3.63	3.64	3.67	906.3743	0.004459			6
+ 3.63	3.65	3.67	706.0325	0.003473			6
+ 3.63	3.66	3.67	479.9113	0.002361			6
+ 3.63	3.67	3.67	855.569	0.004209			6
Height Summation:			**8780.6778**				
Amount Avg CF:			**0.008656**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKUQ ID: UQ **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274A
Result file : 25PCBS17284003.101.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**105.18**	
4.55	4.55	4.59	898.91	0.00296			1
4.61	4.61	4.65	8818.485	0.014831			2
4.73	4.75	4.77	910.3998	0.004765			3
4.82	4.84	4.86	507.1577	0.001249			4
5.02	5.03	5.06	868.9703	0.002937			5
5.13	5.16	5.17	858.705	0.002069			6
Height Summation:			**12862.6278**				
Amount Avg CF:			**0.004802**	Linear:			
Aroclor-1260					**5**	**41.82**	
4.73	4.75	4.77	910.3998	0.001949			1
5.13	5.16	5.17	858.705	0.001311			3
5.36	5.38	5.40	1198.31	0.003441			4
5.60	5.62	5.64	1202.147	0.001383			5
5.80	5.82	5.84	1204.967	0.002197			6
Height Summation:			**5374.5288**				
Amount Avg CF:			**0.002056**	Linear:			
Aroclor-1262					**5**	**124.72**	
5.20	5.23	5.24	364.8788	0.000669			1
5.36	5.38	5.40	1198.31	0.002521			2
5.60	5.62	5.64	1202.147	0.001118			3
5.80	5.82	5.84	1204.967	0.0017			4
6.23	6.24	6.27	4331.159	0.010682			6
Height Summation:			**8301.4618**				
Amount Avg CF:			**0.003338**	Linear:			
Aroclor-1268					**5**	**116.76**	
5.80	5.82	5.84	1204.967	0.000987			1
5.99	6.02	6.03	16317.01	0.015946			3
6.06	6.08	6.10	13068.05	0.045865			4
6.23	6.24	6.27	4331.159	0.009754			5
6.43	6.45	6.47	14801.84	0.004354			6
Height Summation:			**49723.026**				
Amount Avg CF:			**0.015381**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274B
Result file : 25PCBS17284003B.101.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**113.44**	
+ 3.21	3.22	3.25	932.7838	0.001237			2
3.21	3.23	3.25	973.8275	0.001292			2
+ 3.21	3.24	3.25	918.6257	0.001218			2
+ 3.40	3.40	3.44	470.3066	0.000566			3
+ 3.40	3.41	3.44	454.4306	0.000547			3
3.40	3.41	3.44	1010.736	0.001216			3
+ 3.47	3.48	3.51	378.5258	0.000461			4
+ 3.47	3.48	3.51	760.2261	0.000925			4
3.47	3.49	3.51	1200.588	0.001461			4
+ 3.53	3.55	3.57	508.1796	0.000876			5
3.53	3.56	3.57	4689.152	0.008088			5
3.63	3.64	3.67	906.3743	0.001296			6
+ 3.63	3.65	3.67	706.0325	0.001009			6
+ 3.63	3.66	3.67	479.9113	0.000686			6
+ 3.63	3.67	3.67	855.569	0.001223			6
Height Summation:			**8780.6778**				
Amount Avg CF:			**0.002671**	Linear:			
Aroclor-1248					**6**	**97.78**	
+ 3.40	3.40	3.44	470.3066	0.001635			1
+ 3.40	3.41	3.44	454.4306	0.00158			1
3.40	3.41	3.44	1010.736	0.003514			1
+ 3.47	3.48	3.51	378.5258	0.001094			2
+ 3.47	3.48	3.51	760.2261	0.002197			2
3.47	3.49	3.51	1200.588	0.00347			2
+ 3.51	3.51	3.55	754.7816	0.001331			3
3.51	3.53	3.55	7318.608	0.012903			3
3.64	3.64	3.68	906.3743	0.001305			4
+ 3.64	3.65	3.68	706.0325	0.001016			4
+ 3.64	3.66	3.68	479.9113	0.000691			4
+ 3.64	3.67	3.68	855.569	0.001232			4
+ 3.73	3.73	3.77	493.9008	0.001026			5
3.73	3.74	3.77	630.0217	0.001308			5
+ 3.73	3.75	3.77	506.1728	0.001051			5
+ 3.73	3.76	3.77	609.6972	0.001266			5
3.86	3.89	3.90	3386.667	0.003999			6
Height Summation:			**14452.995**				
Amount Avg CF:			**0.004416**	Linear:			
Aroclor-1254					**6**	**20.47**	
4.22	4.23	4.26	4455.255	0.003455			1
4.31	4.33	4.35	1448.329	0.002317			2
4.38	4.39	4.42	3142.849	0.00412			3
4.44	4.47	4.48	1828.573	0.003754			4
4.59	4.61	4.63	2237.04	0.004036			5
4.67	4.71	4.71	3759.655	0.004468			6
Height Summation:			**16871.701**				
Amount Avg CF:			**0.003692**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKUQ ID: UQ **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274A
Result file : 25PCBS17284003.101.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 13:09:12
Instrument : CP25--18274B
Result file : 25PCBS17284003B.101.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**42.12**	
4.31	4.33	4.35	1448.329	0.001325			1
4.44	4.47	4.48	1828.573	0.001559			2
4.55	4.56	4.59	962.4166	0.000988			3
4.89	4.91	4.93	2092.517	0.002768			4
5.09	5.10	5.13	2436.115	0.001423			5
Height Summation:			**8767.9506**				
Amount Avg CF:			**0.001613**	Linear:			
Aroclor-1262					**5**	**49.16**	
4.70	4.71	4.74	3759.655	0.003209			1
4.89	4.91	4.93	2092.517	0.001888			2
5.08	5.10	5.12	2436.115	0.001054			3
5.30	5.33	5.34	948.1228	0.001034			4
5.72	5.74	5.76	2840.443	0.002684			6
Height Summation:			**12076.8528**				
Amount Avg CF:			**0.001974**	Linear:			
Aroclor-1268					**5**	**140.04**	
5.30	5.33	5.34	948.1228	0.000347			1
5.50	5.52	5.54	34018.75	0.01346			3
5.57	5.60	5.61	30482.36	0.044102			4
5.72	5.74	5.76	2840.443	0.002559			5
5.92	5.94	5.96	43025.07	0.004265			6
Height Summation:			**111314.7458**				
Amount Avg CF:			**0.012965**	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		** 42.39	4	40	
Aroclor-1221			17	5.1		** 100.01	3	5	
Aroclor-1232			17	4.1		29.25	4	10	
Aroclor-1242			17	4.1		32.94	4	30	
Aroclor-1248			17	3.3		23.41	4	40	
Aroclor-1254			17	4.4		26.14	4	40	
Aroclor-1260			17	3.9		24.19	4	40	
Aroclor-1262			17	3.3		** 51.37	4	40	
Aroclor-1268			17	3.3		17.05	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: 10/16/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 16:34

Lab File ID: 25PCBS17284003.119.RAW Initial Calibration: 25PCBS1728401

Lab Standard ID: AR164MT 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	40.43	40.00	1
Decachlorobiphenyl	6.60	6.57	6.63	46.10	40.24	15
Aroclor-1016	3.18	3.16	3.20	179.12	202.00	-11
	3.40	3.38	3.42	185.76	202.00	-8
	3.51	3.49	3.53	184.25	202.00	-9
	3.73	3.71	3.75	195.04	202.00	-3
	3.78	3.76	3.80	204.43	202.00	1
	3.98	3.96	4.00	212.47	202.00	5
Aroclor-1260	4.75	4.73	4.77	216.57	201.64	7
	4.95	4.93	4.97	226.10	201.64	12
	5.15	5.13	5.17	238.70	201.64	18
	5.38	5.36	5.40	226.51	201.64	12
	5.62	5.60	5.64	248.91	201.64	23
	5.82	5.80	5.84	227.90	201.64	13

Compounds 14 Average of %D: 10

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/16/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 16:34

Lab File ID: 25PCBS17284003B.119.RAW Initial Calibration: 25PCBS1728401B

Lab Standard ID: AR164MT 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	42.08	40.00	5
Decachlorobiphenyl	6.10	6.07	6.13	44.33	40.24	10
Aroclor-1016	2.90	2.88	2.92	176.89	202.00	-12
	3.23	3.21	3.25	188.17	202.00	-7
	3.42	3.40	3.44	210.93	202.00	4
	3.49	3.47	3.51	211.59	202.00	5
	3.55	3.53	3.57	180.14	202.00	-11
	3.66	3.64	3.68	216.41	202.00	7
Aroclor-1260	4.33	4.31	4.35	221.35	201.64	10
	4.46	4.44	4.48	254.16	201.64	26
	4.56	4.55	4.59	234.61	201.64	16
	4.91	4.89	4.93	244.41	201.64	21
	5.10	5.09	5.13	264.47	201.64	31
	5.36	5.34	5.38	244.03	201.64	21

Compounds 14 Average of %D: 13

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKUR ID: UR **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.120.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 0.205753
%SSR(DCB) : 112% (48-164) Conc.: 0.226335

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	45.27	
3.16	3.18	3.20	567.1586	0.002149			1
3.38	3.38	3.42	1536.808	0.006295			2
3.49	3.50	3.53	3123.983	0.009989			3
3.71	3.71	3.75	2172.055	0.006084			4
3.76	3.77	3.80	1662.552	0.005387			5
3.96	3.98	4.00	905.1179	0.004358			6
Height Summation:			9967.6745				
Amount Avg CF:			0.00571	Linear:			
Aroclor-1221					3	167.40	
+ 3.06	3.07	3.10	649.7983	0.005768			1
3.06	3.09	3.10	780.7298	0.00693			1
3.11	3.13	3.15	38016.04	0.383319			2
3.16	3.18	3.20	567.1586	0.00184			3
Height Summation:			39363.9284				
Amount Avg CF:			0.130697	Linear:			
Aroclor-1232					6	51.98	
3.16	3.18	3.20	567.1586	0.002102			1
3.38	3.38	3.42	1536.808	0.015278			2
3.49	3.50	3.53	3123.983	0.022999			3
3.70	3.71	3.74	2172.055	0.013153			4
3.76	3.77	3.80	1662.552	0.013639			5
3.95	3.98	3.99	905.1179	0.010907			6
Height Summation:			9967.6745				
Amount Avg CF:			0.013013	Linear:			
Aroclor-1242					6	45.59	
3.16	3.18	3.20	567.1586	0.001556			1
3.37	3.38	3.41	1536.808	0.004979			2
3.49	3.50	3.53	3123.983	0.007545			3
3.70	3.71	3.74	2172.055	0.004223			4
3.76	3.77	3.80	1662.552	0.004213			5
3.95	3.98	3.99	905.1179	0.003387			6
Height Summation:			9967.6745				
Amount Avg CF:			0.004317	Linear:			
Aroclor-1248					4	49.11	
3.71	3.71	3.75	2172.055	0.011149			1
3.76	3.77	3.80	1662.552	0.009861			2
3.98	3.98	4.02	905.1179	0.011444			4
4.04	4.05	4.08	593.3218	0.002376			5
Height Summation:			5333.0467				
Amount Avg CF:			0.008708	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.120.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (61-152) Conc.: 0.204484
%SSR(DCB) : 116% (48-164) Conc.: 0.234336

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	96.20	
3.21	3.23	3.25	729.1962	0.001259			2
3.40	3.40	3.44	865.3391	0.001522			3
+ 3.40	3.43	3.44	518.2073	0.000912			3
3.47	3.48	3.51	1350.676	0.002161			4
3.53	3.56	3.57	5199.705	0.009999			5
3.64	3.64	3.68	2068.286	0.003938			6
+ 3.64	3.65	3.68	1327.346	0.002528			6
+ 3.64	3.68	3.68	630.572	0.001201			6
Height Summation:			10213.2023				
Amount Avg CF:			0.003776	Linear:			
Aroclor-1221					1		
2.83	2.83	2.87	84001.99	0.604476			2
Height Summation:			84001.99				
Amount Avg CF:			0.604476	Linear:			
Aroclor-1232					5	108.67	
3.21	3.23	3.25	729.1962	0.002845			2
3.40	3.40	3.44	865.3391	0.003421			3
+ 3.40	3.43	3.44	518.2073	0.002049			3
+ 3.47	3.47	3.51	636.1265	0.002441			4
3.47	3.48	3.51	1350.676	0.005183			4
3.53	3.56	3.57	5199.705	0.029297			5
3.63	3.64	3.67	2068.286	0.010175			6
+ 3.63	3.65	3.67	1327.346	0.00653			6
Height Summation:			10213.2023				
Amount Avg CF:			0.010184	Linear:			
Aroclor-1242					5	108.09	
3.21	3.23	3.25	729.1962	0.000967			2
3.40	3.40	3.44	865.3391	0.001041			3
+ 3.40	3.43	3.44	518.2073	0.000624			3
+ 3.47	3.47	3.51	636.1265	0.000774			4
3.47	3.48	3.51	1350.676	0.001644			4
3.53	3.56	3.57	5199.705	0.008968			5
3.63	3.64	3.67	2068.286	0.002957			6
+ 3.63	3.65	3.67	1327.346	0.001898			6
Height Summation:			10213.2023				
Amount Avg CF:			0.003116	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKUR ID: UR **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.120.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.44	
4.55	4.55	4.59	609.4984	0.002007			1
4.61	4.61	4.65	14332.57	0.024105			2
4.73	4.75	4.77	1175.753	0.006154			3
4.82	4.84	4.86	891.653	0.002195			4
5.02	5.03	5.06	1878.036	0.006347			5
5.13	5.15	5.17	2654.377	0.006396			6
Height Summation:			**21541.8874**				
Amount Avg CF:			**0.007868**	Linear:			
Aroclor-1260					6	133.65	
4.73	4.75	4.77	1175.753	0.002517			1
4.93	4.97	4.97	15273.78	0.028281			2
5.13	5.15	5.17	2654.377	0.004053			3
5.36	5.38	5.40	1532.665	0.004402			4
5.60	5.62	5.64	1315.912	0.001514			5
5.80	5.82	5.84	2751.706	0.005017			6
Height Summation:			**24704.193**				
Amount Avg CF:			**0.007631**	Linear:			
Aroclor-1262					6	155.09	
5.20	5.22	5.24	823.2938	0.00151			1
5.36	5.38	5.40	1532.665	0.003225			2
5.60	5.62	5.64	1315.912	0.001223			3
5.80	5.82	5.84	2751.706	0.003883			4
5.86	5.88	5.90	704.2274	0.002101			5
6.23	6.24	6.27	10858.11	0.026779			6
Height Summation:			**17985.9142**				
Amount Avg CF:			**0.006454**	Linear:			
Aroclor-1268					6	133.26	
5.80	5.82	5.84	2751.706	0.002254			1
5.86	5.88	5.90	704.2274	0.00064			2
5.99	6.01	6.03	23991.33	0.023446			3
6.06	6.08	6.10	23535.11	0.082601			4
6.23	6.24	6.27	10858.11	0.024452			5
6.43	6.45	6.47	19770.59	0.005815			6
Height Summation:			**81611.0734**				
Amount Avg CF:			**0.023202**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.120.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	74.42	
3.40	3.40	3.44	865.3391	0.003009			1
+ 3.40	3.43	3.44	518.2073	0.001802			1
3.47	3.48	3.51	1350.676	0.003904			2
+ 3.51	3.51	3.55	936.8192	0.001652			3
3.51	3.53	3.55	6992.568	0.012328			3
3.64	3.64	3.68	2068.286	0.002978			4
+ 3.64	3.65	3.68	1327.346	0.001911			4
+ 3.73	3.73	3.77	678.5467	0.001409			5
+ 3.73	3.75	3.77	632.8641	0.001314			5
3.73	3.76	3.77	1049.154	0.002179			5
3.86	3.88	3.90	5353.739	0.006322			6
Height Summation:			**17679.7621**				
Amount Avg CF:			**0.00512**	Linear:			
Aroclor-1254					6	32.63	
4.22	4.23	4.26	5035.693	0.003905			1
4.31	4.32	4.35	2499.972	0.004			2
4.38	4.38	4.42	5498.595	0.007209			3
4.44	4.46	4.48	2274.299	0.004669			4
4.59	4.62	4.63	2391.643	0.004314			5
4.67	4.71	4.71	2395.938	0.002848			6
Height Summation:			**20096.14**				
Amount Avg CF:			**0.004491**	Linear:			
Aroclor-1260					5	35.98	
4.31	4.32	4.35	2499.972	0.002287			1
4.44	4.46	4.48	2274.299	0.001939			2
4.55	4.56	4.59	2684.959	0.002757			3
4.89	4.91	4.93	3530.863	0.00467			4
5.09	5.10	5.13	5176.224	0.003023			5
Height Summation:			**16166.317**				
Amount Avg CF:			**0.002935**	Linear:			
Aroclor-1262					5	84.53	
4.70	4.71	4.74	2395.938	0.002045			1
+ 4.70	4.74	4.74	955.2332	0.000815			1
4.89	4.91	4.93	3530.863	0.003186			2
5.08	5.10	5.12	5176.224	0.002239			3
+ 5.30	5.32	5.34	2069.513	0.002257			4
5.30	5.34	5.34	8534.232	0.009305			4
5.72	5.74	5.76	1999.624	0.00189			6
Height Summation:			**21636.881**				
Amount Avg CF:			**0.003733**	Linear:			
Aroclor-1268					5	145.77	
+ 5.30	5.32	5.34	2069.513	0.000758			1
5.30	5.34	5.34	8534.232	0.003124			1
5.50	5.52	5.54	55669.86	0.022027			3
5.57	5.59	5.61	53771.16	0.077956			4
5.72	5.74	5.76	1999.624	0.001801			5
5.92	5.94	5.96	57633.18	0.005713			6
Height Summation:			**177608.056**				
Amount Avg CF:			**0.022124**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724B PIBLKUR ID: UR **Batchnumber: 1728799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.120.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 16:45:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.120.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			17	3.3		** 40.78	4	40	
Aroclor-1221			17	5.1		** 128.89	3	5	
Aroclor-1232			17	4.1		24.39	4	10	
Aroclor-1242			17	4.1		32.34	4	30	
Aroclor-1248			17	3.3		** 51.90	4	40	
Aroclor-1254			17	4.4		** 54.65	4	40	
Aroclor-1260			17	3.9		** 88.88	4	40	
Aroclor-1262			17	3.3		** 53.41	4	40	
Aroclor-1268			17	3.3		4.75	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: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 3:25

Lab File ID: 07PCBS17284001.0045.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: AR164KU Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	40.12	40.00	0
Decachlorobiphenyl	6.60	6.57	6.63	31.86	40.24	-21
Aroclor-1016	3.19	3.17	3.21	190.45	202.00	-6
	3.40	3.38	3.42	190.86	202.00	-6
	3.52	3.50	3.54	190.61	202.00	-6
	3.73	3.71	3.75	192.86	202.00	-5
	3.79	3.77	3.81	184.29	202.00	-9
	3.98	3.96	4.00	190.67	202.00	-6
Aroclor-1260	4.76	4.74	4.78	167.58	201.64	-17
	4.95	4.94	4.98	168.85	201.64	-16
	5.16	5.14	5.18	168.93	201.64	-16
	5.39	5.37	5.41	162.49	201.64	-19
	5.62	5.61	5.65	165.36	201.64	-18
	5.83	5.81	5.85	147.13	201.64	-27

Compounds 14 Average of %D: 12

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 3:25

Lab File ID: 07PCBS17284001B.0045.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KU Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	37.74	40.00	-6
Decachlorobiphenyl	6.08	6.05	6.11	30.17	40.24	-25
Aroclor-1016	2.88	2.86	2.90	186.59	202.00	-8
	3.21	3.19	3.23	186.66	202.00	-8
	3.40	3.38	3.42	181.31	202.00	-10
	3.47	3.45	3.49	185.57	202.00	-8
	3.53	3.51	3.55	172.77	202.00	-14
	3.63	3.61	3.65	179.80	202.00	-11
Aroclor-1260	4.44	4.42	4.46	168.11	201.64	-17
	4.54	4.52	4.56	169.35	201.64	-16
	4.67	4.65	4.69	172.60	201.64	-14
	4.89	4.87	4.91	160.80	201.64	-20
	5.08	5.06	5.10	164.80	201.64	-18
	5.34	5.32	5.36	166.82	201.64	-17

Compounds 14 Average of %D: 14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17**24B PIBLKRT Sample ID: RT **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0046.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 95% (53-140) Conc.: 0.191769
%SSR(DCB) : 76% (45-143) Conc.: 0.153452

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1221					1		
3.12	3.13	3.16	75259.26	0.346415			2
Height Summation:			**75259.26**				
Amount Avg CF:			**0.346415**	Linear:			
Aroclor-1248					3	83.06	
3.84	3.85	3.88	1769.077	0.00288			3
4.05	4.06	4.09	1488.158	0.002386			5
4.23	4.25	4.27	6853.663	0.009885			6
Height Summation:			**10110.898**				
Amount Avg CF:			**0.00505**	Linear:			
Aroclor-1254					3	58.23	
4.61	4.61	4.65	2754.083	0.001608			4
5.02	5.04	5.06	3268.064	0.005464			5
5.14	5.16	5.18	2870.736	0.002991			6
Height Summation:			**8892.883**				
Amount Avg CF:			**0.003354**	Linear:			
Aroclor-1260					3	25.97	
4.74	4.75	4.78	1969.78	0.001699			1
4.94	4.96	4.98	3274.431	0.002794			2
5.14	5.16	5.18	2870.736	0.002014			3
Height Summation:			**8114.947**				
Amount Avg CF:			**0.002169**	Linear:			
Aroclor-1262					2	32.61	
5.21	5.23	5.25	1508.366	0.001005			1
6.24	6.25	6.28	1789.424	0.001607			6
Height Summation:			**3297.79**				
Amount Avg CF:			**0.001306**	Linear:			
Aroclor-1268					4	113.16	
6.00	6.02	6.04	22256.64	0.00666			3
6.06	6.08	6.10	19058.18	0.02284			4
6.23	6.25	6.27	1789.424	0.001469			5
6.43	6.46	6.47	29803.7	0.003431			6
Height Summation:			**72907.944**				
Amount Avg CF:			**0.0086**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0046.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 91% (53-140) Conc.: 0.184338
%SSR(DCB) : 75% (45-143) Conc.: 0.150895

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.61	3.61	3.65	2480.43	0.003029			6
Height Summation:			**2480.43**				
Amount Avg CF:			**0.003029**	Linear:			
Aroclor-1221					2	135.14	
2.74	2.76	2.78	4116.453	0.009818			1
2.80	2.81	2.84	112735.4	0.432104			2
Height Summation:			**116851.853**				
Amount Avg CF:			**0.220961**	Linear:			
Aroclor-1232					1		
3.61	3.61	3.65	2480.43	0.007652			6
Height Summation:			**2480.43**				
Amount Avg CF:			**0.007652**	Linear:			
Aroclor-1242					1		
3.61	3.61	3.65	2480.43	0.002265			6
Height Summation:			**2480.43**				
Amount Avg CF:			**0.002265**	Linear:			
Aroclor-1248					2	12.12	
3.61	3.61	3.65	2480.43	0.002248			4
3.84	3.85	3.88	4027.871	0.002669			6
Height Summation:			**6508.301**				
Amount Avg CF:			**0.002459**	Linear:			
Aroclor-1254					2	21.97	
4.35	4.38	4.39	2353.103	0.001854			3
4.65	4.67	4.69	4143.491	0.002536			6
Height Summation:			**6496.594**				
Amount Avg CF:			**0.002195**	Linear:			
Aroclor-1260					2	52.13	
4.52	4.55	4.56	7108.642	0.004592			2
4.65	4.67	4.69	4143.491	0.002118			3
Height Summation:			**11252.133**				
Amount Avg CF:			**0.003355**	Linear:			
Aroclor-1262					1		
5.28	5.31	5.32	15706.47	0.00928			4
Height Summation:			**15706.47**				
Amount Avg CF:			**0.00928**	Linear:			
Aroclor-1268					4	79.84	
5.28	5.31	5.32	15706.47	0.003248			1
5.48	5.50	5.52	27326.56	0.006355			3
5.55	5.57	5.59	17257.14	0.015459			4
5.90	5.92	5.94	50166.94	0.003552			6
Height Summation:			**110457.11**				
Amount Avg CF:			**0.007153**	Linear:			

Summary Report

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

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKRT Sample ID: RT **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0046.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 03:37:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0046.RAW
Calibration file : 07PCBS1728401B.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-1221						** 44.22	3	40	
Aroclor-1232							4	40	
Aroclor-1242							4	40	
Aroclor-1248						** 69.02	4	40	
Aroclor-1254						** 41.77	4	40	
Aroclor-1260						** 42.94	4	40	
Aroclor-1262						** 150.65	4	40	
Aroclor-1268						18.37	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: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 7:37

Lab File ID: 07PCBS17284001.0067.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: AR164KV Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	41.85	40.00	5
Decachlorobiphenyl	6.60	6.57	6.63	35.34	40.24	-12
Aroclor-1016	3.19	3.17	3.21	202.59	202.00	0
	3.40	3.38	3.42	208.42	202.00	3
	3.52	3.50	3.54	205.27	202.00	2
	3.73	3.71	3.75	210.91	202.00	4
	3.79	3.77	3.81	206.80	202.00	2
	3.98	3.96	4.00	210.60	202.00	4
Aroclor-1260	4.76	4.74	4.78	201.76	201.64	0
	4.96	4.94	4.98	192.23	201.64	-5
	5.16	5.14	5.18	201.49	201.64	0
	5.39	5.37	5.41	204.30	201.64	1
	5.63	5.61	5.65	196.46	201.64	-3
	5.83	5.81	5.85	183.36	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: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 7:37

Lab File ID: 07PCBS17284001B.0067.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KV Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	39.44	40.00	-1
Decachlorobiphenyl	6.08	6.05	6.11	36.01	40.24	-11
Aroclor-1016	2.88	2.86	2.90	194.37	202.00	-4
	3.21	3.19	3.23	196.63	202.00	-3
	3.40	3.38	3.42	189.37	202.00	-6
	3.47	3.45	3.49	197.27	202.00	-2
	3.53	3.51	3.55	191.48	202.00	-5
	3.63	3.61	3.65	194.69	202.00	-4
Aroclor-1260	4.44	4.42	4.46	194.97	201.64	-3
	4.54	4.52	4.56	202.18	201.64	0
	4.67	4.65	4.69	197.29	201.64	-2
	4.89	4.87	4.91	197.25	201.64	-2
	5.08	5.06	5.10	192.44	201.64	-5
	5.34	5.32	5.36	201.72	201.64	0

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKRU Sample ID: RU **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0068.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 99% (53-140) Conc.: 0.19954
%SSR(DCB) : 88% (45-143) Conc.: 0.178551

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	17.81	
3.50	3.51	3.54	2884.439	0.004764			3
3.71	3.73	3.75	3186.265	0.00433			4
3.96	3.97	4.00	1643.035	0.003326			6
Height Summation:			7713.739				
Amount Avg CF:			0.00414	Linear:			
Aroclor-1221					1		
3.12	3.13	3.16	79555.78	0.366191			2
Height Summation:			79555.78				
Amount Avg CF:			0.366191	Linear:			
Aroclor-1232					3	8.79	
3.50	3.51	3.54	2884.439	0.010462			3
3.71	3.73	3.75	3186.265	0.009545			4
3.96	3.97	4.00	1643.035	0.008777			6
Height Summation:			7713.739				
Amount Avg CF:			0.009595	Linear:			
Aroclor-1242					3	17.82	
3.50	3.51	3.54	2884.439	0.003577			3
3.71	3.73	3.75	3186.265	0.003155			4
3.96	3.97	4.00	1643.035	0.00249			6
Height Summation:			7713.739				
Amount Avg CF:			0.003074	Linear:			
Aroclor-1248					5	69.58	
3.71	3.73	3.75	3186.265	0.009715			1
3.84	3.86	3.88	2067.56	0.003366			3
+ 3.84	3.88	3.88	983.1838	0.0016			3
3.96	3.97	4.00	1643.035	0.002384			4
4.05	4.06	4.09	1593.907	0.002555			5
4.23	4.26	4.27	6920.118	0.009981			6
Height Summation:			15410.885				
Amount Avg CF:			0.0056	Linear:			
Aroclor-1254					3	63.96	
4.21	4.21	4.25	6176.043	0.007951			1
5.02	5.04	5.06	1491.956	0.002494			5
5.14	5.16	5.18	3201.468	0.003335			6
Height Summation:			10869.467				
Amount Avg CF:			0.004594	Linear:			
Aroclor-1260					5	62.66	
4.74	4.76	4.78	4228.26	0.003647			1
4.94	4.96	4.98	6351.148	0.005418			2
5.14	5.16	5.18	3201.468	0.002246			3
5.37	5.39	5.41	1497.649	0.001899			4
5.81	5.83	5.85	1438.763	0.000863			6
Height Summation:			16717.288				
Amount Avg CF:			0.002815	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0068.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 94% (53-140) Conc.: 0.189526
%SSR(DCB) : 90% (45-143) Conc.: 0.182697

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.51	3.54	3.55	5833.312	0.008073			5
Height Summation:			5833.312				
Amount Avg CF:			0.008073	Linear:			
Aroclor-1221					2	136.63	
2.74	2.76	2.78	3095.427	0.007383			1
2.80	2.81	2.84	111734.1	0.428266			2
Height Summation:			114829.527				
Amount Avg CF:			0.217825	Linear:			
Aroclor-1232					1		
3.51	3.54	3.55	5833.312	0.021049			5
Height Summation:			5833.312				
Amount Avg CF:			0.021049	Linear:			
Aroclor-1242					1		
3.51	3.54	3.55	5833.312	0.006207			5
Height Summation:			5833.312				
Amount Avg CF:			0.006207	Linear:			
Aroclor-1248					2	11.77	
3.49	3.51	3.53	4710.507	0.005073			3
3.84	3.85	3.88	6477.966	0.004293			6
Height Summation:			11188.473				
Amount Avg CF:			0.004683	Linear:			
Aroclor-1254					4	27.22	
4.19	4.21	4.23	5122.538	0.002251			1
4.28	4.30	4.32	4114.884	0.003741			2
4.42	4.44	4.46	4061.935	0.004507			4
4.65	4.67	4.69	5434.396	0.003327			6
Height Summation:			18733.753				
Amount Avg CF:			0.003456	Linear:			
Aroclor-1260					5	36.76	
4.42	4.44	4.46	4061.935	0.001969			1
4.52	4.55	4.56	7147.356	0.004617			2
4.65	4.67	4.69	5434.396	0.002778			3
4.87	4.89	4.91	3975.851	0.002964			4
5.06	5.08	5.10	6572.171	0.002087			5
Height Summation:			27191.709				
Amount Avg CF:			0.002883	Linear:			
Aroclor-1262					2	13.33	
4.87	4.89	4.91	3975.851	0.00191			2
5.06	5.08	5.10	6572.171	0.001581			3
Height Summation:			10548.022				
Amount Avg CF:			0.001746	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKRU Sample ID: RU **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0068.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**53.98**	
5.37	5.39	5.41	1497.649	0.001398			2
5.81	5.83	5.85	1438.763	0.00065			4
+ 6.24	6.24	6.28	2301.294	0.002067			6
6.24	6.25	6.28	2412.164	0.002166			6

Height Summation: **5348.576**
Amount Avg CF: **0.001405** Linear:

Aroclor-1268					**5**	**145.37**	
5.81	5.83	5.85	1438.763	0.000336			1
6.00	6.02	6.04	46845.48	0.014018			3
6.06	6.08	6.10	40893.79	0.049009			4
+ 6.23	6.24	6.27	2301.294	0.00189			5
6.23	6.25	6.27	2412.164	0.001981			5
6.43	6.46	6.47	38774.89	0.004464			6

Height Summation: **130365.087**
Amount Avg CF: **0.013961** Linear:

Analysis Report (B)

Injected on : Oct 12, 2017 07:48:45
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0068.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**3**	**102.04**	
5.48	5.50	5.52	51072.13	0.011877			3
5.55	5.57	5.59	48867.82	0.043776			4
5.90	5.93	5.94	71800.23	0.005084			6

Height Summation: **171740.18**
Amount Avg CF: **0.020246** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 64.41	4	40	
Aroclor-1221						** 50.81	3	40	
Aroclor-1232						** 74.76	4	40	
Aroclor-1242						** 67.52	4	40	
Aroclor-1248						17.84	4	40	
Aroclor-1254						28.25	4	40	
Aroclor-1260						2.39	4	40	
Aroclor-1262						21.64	4	40	
Aroclor-1268						36.74	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: 10/12/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 11:26

Lab File ID: 07PCBS17284001.0087.RAW Initial Calibration: 07PCBS1728401

Lab Standard ID: AR164KW Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.94	2.91	2.97	41.50	40.00	4
Decachlorobiphenyl	6.60	6.57	6.63	36.74	40.24	-9
Aroclor-1016	3.19	3.17	3.21	204.73	202.00	1
	3.40	3.38	3.42	209.42	202.00	4
	3.52	3.50	3.54	204.95	202.00	1
	3.73	3.71	3.75	201.59	202.00	0
	3.79	3.77	3.81	201.90	202.00	0
	3.98	3.96	4.00	207.89	202.00	3
Aroclor-1260	4.76	4.74	4.78	192.85	201.64	-4
	4.96	4.94	4.98	185.53	201.64	-8
	5.16	5.14	5.18	193.12	201.64	-4
	5.39	5.37	5.41	189.34	201.64	-6
	5.63	5.61	5.65	197.17	201.64	-2
	5.83	5.81	5.85	183.70	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: 10/12/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 11:26

Lab File ID: 07PCBS17284001B.0087.RAW Initial Calibration: 07PCBS1728401B

Lab Standard ID: AR164KW Init. Calib Date(s): 10/11/17 10/11/17

Calibration: 07PCBS1728401B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.59	2.56	2.62	44.29	40.00	11
Decachlorobiphenyl	6.08	6.05	6.11	38.66	40.24	-4
Aroclor-1016	2.88	2.86	2.90	220.60	202.00	9
	3.21	3.19	3.23	214.82	202.00	6
	3.40	3.38	3.42	213.88	202.00	6
	3.47	3.45	3.49	221.74	202.00	10
	3.53	3.51	3.55	214.37	202.00	6
	3.63	3.61	3.65	227.43	202.00	13
Aroclor-1260	4.44	4.42	4.46	215.26	201.64	7
	4.54	4.52	4.56	209.28	201.64	4
	4.67	4.65	4.69	217.71	201.64	8
	4.89	4.87	4.91	212.46	201.64	5
	5.08	5.06	5.10	202.48	201.64	0
	5.34	5.32	5.36	206.31	201.64	2

Compounds 14 Average of %D: 7

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17**24B PIBLKRV Sample ID: RV **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0088.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.203691
%SSR(DCB) : 91% (45-143) Conc.: 0.183697

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**54.43**	
3.50	3.51	3.54	5838.798	0.009643			3
3.96	3.99	4.00	2115.866	0.004283			6
Height Summation:			**7954.664**				
Amount Avg CF:			**0.006963**	Linear:			
Aroclor-1221					**1**		
3.12	3.13	3.16	81325.95	0.374339			2
Height Summation:			**81325.95**				
Amount Avg CF:			**0.374339**	Linear:			
Aroclor-1232					**2**	**43.00**	
3.50	3.51	3.54	5838.798	0.021178			3
3.96	3.99	4.00	2115.866	0.011303			6
Height Summation:			**7954.664**				
Amount Avg CF:			**0.016241**	Linear:			
Aroclor-1242					**2**	**54.60**	
3.50	3.51	3.54	5838.798	0.00724			3
3.96	3.99	4.00	2115.866	0.003207			6
Height Summation:			**7954.664**				
Amount Avg CF:			**0.005223**	Linear:			
Aroclor-1248					**4**	**63.33**	
3.84	3.85	3.88	1157.917	0.001885			3
3.96	3.99	4.00	2115.866	0.00307			4
4.05	4.06	4.09	1839.368	0.002949			5
4.23	4.25	4.27	5091.598	0.007344			6
Height Summation:			**10204.749**				
Amount Avg CF:			**0.003812**	Linear:			
Aroclor-1254					**4**	**35.81**	
4.21	4.22	4.25	4279.516	0.00551			1
4.32	4.32	4.36	1806.916	0.006969			2
5.02	5.04	5.06	1551.483	0.002594			5
5.14	5.16	5.18	5092.534	0.005306			6
Height Summation:			**12730.449**				
Amount Avg CF:			**0.005095**	Linear:			
Aroclor-1260					**5**	**14.26**	
+ 4.74	4.74	4.78	1229.436	0.001061			1
4.74	4.76	4.78	3240.757	0.002795			1
4.94	4.96	4.98	4436.441	0.003785			2
5.14	5.16	5.18	5092.534	0.003573			3
5.37	5.39	5.41	2316.792	0.002938			4
5.81	5.83	5.85	4770.998	0.002861			6
Height Summation:			**19857.522**				
Amount Avg CF:			**0.003191**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0088.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 110% (53-140) Conc.: 0.221736
%SSR(DCB) : 92% (45-143) Conc.: 0.184746

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**1**		
3.61	3.63	3.65	3445.659	0.004207			6
Height Summation:			**3445.659**				
Amount Avg CF:			**0.004207**	Linear:			
Aroclor-1221					**2**	**135.40**	
2.74	2.76	2.78	4357.623	0.010393			1
2.80	2.81	2.84	124561.1	0.477431			2
Height Summation:			**128918.723**				
Amount Avg CF:			**0.243912**	Linear:			
Aroclor-1232					**1**		
3.61	3.63	3.65	3445.659	0.01063			6
Height Summation:			**3445.659**				
Amount Avg CF:			**0.01063**	Linear:			
Aroclor-1242					**1**		
3.61	3.63	3.65	3445.659	0.003146			6
Height Summation:			**3445.659**				
Amount Avg CF:			**0.003146**	Linear:			
Aroclor-1248					**3**	**9.03**	
3.49	3.51	3.53	3081.086	0.003318			3
3.61	3.63	3.65	3445.659	0.003123			4
3.84	3.86	3.88	5616.743	0.003722			6
Height Summation:			**12143.488**				
Amount Avg CF:			**0.003388**	Linear:			
Aroclor-1254					**5**	**47.12**	
4.19	4.21	4.23	4353.384	0.001913			1
4.28	4.30	4.32	5094.048	0.004631			2
4.42	4.44	4.46	5409.06	0.006002			4
4.57	4.59	4.61	1971.876	0.002007			5
4.65	4.67	4.69	7886.856	0.004828			6
Height Summation:			**24715.224**				
Amount Avg CF:			**0.003876**	Linear:			
Aroclor-1260					**5**	**39.42**	
4.42	4.44	4.46	5409.06	0.002622			1
4.52	4.56	4.56	8581.935	0.005543			2
4.65	4.67	4.69	7886.856	0.004032			3
4.87	4.89	4.91	4050.947	0.00302			4
5.06	5.08	5.10	6576.753	0.002089			5
Height Summation:			**32505.551**				
Amount Avg CF:			**0.003461**	Linear:			
Aroclor-1262					**4**	**20.47**	
4.68	4.70	4.72	2511.094	0.001183			1
4.87	4.89	4.91	4050.947	0.001946			2
5.06	5.08	5.10	6576.753	0.001582			3
5.71	5.72	5.74	2911.378	0.001807			6
Height Summation:			**16050.172**				
Amount Avg CF:			**0.001629**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKRV Sample ID: RV **Batchnumber: 1728399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0088.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**3**	**22.09**	
5.37	5.39	5.41	2316.792	0.002162			2
5.81	5.83	5.85	4770.998	0.002155			4
6.24	6.26	6.28	3457.587	0.003105			6

Height Summation: **10545.377**
Amount Avg CF: **0.002474** Linear:

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**138.14**	
5.81	5.83	5.85	4770.998	0.001113			1
6.00	6.02	6.04	45521.1	0.013621			3
6.06	6.08	6.10	38923.52	0.046648			4
6.23	6.26	6.27	3457.587	0.002839			5
6.43	6.46	6.47	39756.24	0.004577			6

Height Summation: **132429.445**
Amount Avg CF: **0.01376** Linear:

Analysis Report (B)

Injected on : Oct 12, 2017 11:37:29
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0088.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**122.19**	
5.48	5.50	5.52	52870.36	0.012295			3
5.55	5.57	5.59	48346.62	0.043309			4
5.70	5.72	5.74	2911.378	0.001616			5
5.90	5.93	5.94	71334.61	0.005051			6

Height Summation: **175462.968**
Amount Avg CF: **0.015568** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 49.34	4	40	
Aroclor-1221						** 42.19	3	40	
Aroclor-1232						** 41.76	4	40	
Aroclor-1242						** 49.64	4	40	
Aroclor-1248						11.78	4	40	
Aroclor-1254						27.16	4	40	
Aroclor-1260						8.14	4	40	
Aroclor-1262						** 41.18	4	40	
Aroclor-1268						12.33	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: 10/30/17

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

Lab File ID: 25PCBS17289010.060.RAW Initial Calibration: 25PCBS1728901

Lab Standard ID: AR164SG Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	43.58	40.00	9
Decachlorobiphenyl	6.60	6.56	6.62	42.54	40.24	6
Aroclor-1016	3.18	3.16	3.20	217.22	202.00	8
	3.39	3.37	3.41	221.90	202.00	10
	3.51	3.49	3.53	226.78	202.00	12
	3.72	3.70	3.74	220.04	202.00	9
	3.78	3.76	3.80	226.77	202.00	12
	3.97	3.95	3.99	226.77	202.00	12
Aroclor-1260	4.75	4.73	4.77	223.27	201.64	11
	4.95	4.93	4.97	222.22	201.64	10
	5.15	5.13	5.17	221.45	201.64	10
	5.38	5.36	5.40	226.97	201.64	13
	5.62	5.60	5.64	225.54	201.64	12
	5.82	5.80	5.84	223.75	201.64	11

Compounds 14 Average of %D: 10

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/30/17

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

Lab File ID: 25PCBS17289010B.060.RAW Initial Calibration: 25PCBS1728901B

Lab Standard ID: AR164SG Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	45.37	40.00	13
Decachlorobiphenyl	6.10	6.07	6.13	42.37	40.24	5
Aroclor-1016	2.90	2.88	2.92	219.45	202.00	9
	3.23	3.21	3.25	221.68	202.00	10
	3.42	3.40	3.44	216.42	202.00	7
	3.49	3.47	3.51	223.34	202.00	11
	3.55	3.53	3.57	219.51	202.00	9
	3.65	3.63	3.67	219.28	202.00	9
Aroclor-1260	4.46	4.44	4.48	233.90	201.64	16
	4.56	4.54	4.58	239.28	201.64	19
	4.69	4.67	4.71	236.00	201.64	17
	4.91	4.89	4.93	229.66	201.64	14
	5.10	5.08	5.12	230.16	201.64	14
	5.36	5.34	5.38	235.75	201.64	17

Compounds 14 Average of %D: 12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCN Sample ID: CN **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274A
Result file : 25PCBS17289010.061.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.218338
%SSR(DCB) : 103% (48-164) Conc.: 0.208317

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**64.74**	
3.16	3.18	3.20	441.0293	0.001864			1
3.37	3.38	3.41	1637.114	0.007014			2
+ 3.37	3.40	3.41	474.1054	0.002031			2
3.49	3.50	3.53	1323.286	0.004614			3
3.70	3.72	3.74	3689.466	0.01043			4
3.76	3.77	3.80	628.6844	0.002018			5
3.95	3.99	3.99	956.6197	0.004234			6
Height Summation:			**8676.1994**				
Amount Avg CF:			**0.005029**	Linear:			
Aroclor-1221					**3**	**169.41**	
3.06	3.08	3.10	535.007	0.00411			1
+ 3.06	3.10	3.10	515.8358	0.003963			1
3.11	3.12	3.15	41369.28	0.35965			2
3.16	3.18	3.20	441.0293	0.001227			3
Height Summation:			**42345.3163**				
Amount Avg CF:			**0.121662**	Linear:			
Aroclor-1232					**6**	**69.75**	
3.16	3.18	3.20	441.0293	0.001557			1
3.38	3.38	3.42	1637.114	0.0153			2
+ 3.38	3.40	3.42	474.1054	0.004431			2
3.49	3.50	3.53	1323.286	0.009952			3
3.70	3.72	3.74	3689.466	0.021839			4
3.76	3.77	3.80	628.6844	0.004379			5
3.95	3.99	3.99	956.6197	0.010129			6
Height Summation:			**8676.1994**				
Amount Avg CF:			**0.010526**	Linear:			
Aroclor-1242					**6**	**65.00**	
3.16	3.18	3.20	441.0293	0.002252			1
3.38	3.38	3.42	1637.114	0.008896			2
+ 3.38	3.40	3.42	474.1054	0.002576			2
3.49	3.50	3.53	1323.286	0.005707			3
3.70	3.72	3.74	3689.466	0.013019			4
3.76	3.77	3.80	628.6844	0.002573			5
3.95	3.99	3.99	956.6197	0.005287			6
Height Summation:			**8676.1994**				
Amount Avg CF:			**0.006289**	Linear:			
Aroclor-1248					**5**	**133.10**	
3.71	3.72	3.75	3689.466	0.024266			1
3.76	3.77	3.80	628.6844	0.003576			2
3.83	3.85	3.87	635.0699	0.002235			3
3.96	3.99	4.00	956.6197	0.002895			4
+ 4.04	4.06	4.08	256.446	0.00092			5
4.04	4.08	4.08	821.5741	0.002947			5
Height Summation:			**6731.4141**				
Amount Avg CF:			**0.007184**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274B
Result file : 25PCBS17289010B.061.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.216754
%SSR(DCB) : 107% (48-164) Conc.: 0.215304

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**107.83**	
2.88	2.88	2.92	1673.725	0.003924			1
+ 3.21	3.21	3.25	792.5961	0.001477			2
3.21	3.22	3.25	1192.652	0.002223			2
+ 3.21	3.23	3.25	861.3427	0.001606			2
+ 3.40	3.40	3.44	545.011	0.00093			3
3.40	3.41	3.44	2224.559	0.003794			3
+ 3.40	3.43	3.44	738.0276	0.001259			3
+ 3.47	3.48	3.51	845.8915	0.001314			4
3.47	3.50	3.51	1200.112	0.001865			4
+ 3.47	3.51	3.51	843.4336	0.00131			4
3.53	3.56	3.57	7197.191	0.015253			5
+ 3.63	3.63	3.67	1021.943	0.0018			6
+ 3.63	3.64	3.67	782.9722	0.001379			6
+ 3.63	3.66	3.67	855.5918	0.001507			6
3.63	3.67	3.67	1052.435	0.001854			6
Height Summation:			**14540.674**				
Amount Avg CF:			**0.004819**	Linear:			
Aroclor-1221					**2**	**140.02**	
2.83	2.83	2.87	84969.23	0.517045			2
2.88	2.88	2.92	1673.725	0.002583			3
Height Summation:			**86642.955**				
Amount Avg CF:			**0.259814**	Linear:			
Aroclor-1232					**6**	**128.11**	
2.88	2.88	2.92	1673.725	0.003294			1
+ 3.21	3.21	3.25	792.5961	0.003113			2
3.21	3.22	3.25	1192.652	0.004684			2
+ 3.21	3.23	3.25	861.3427	0.003383			2
+ 3.40	3.40	3.44	545.011	0.001972			3
3.40	3.41	3.44	2224.559	0.008049			3
+ 3.40	3.43	3.44	738.0276	0.00267			3
+ 3.47	3.48	3.51	845.8915	0.003005			4
3.47	3.50	3.51	1200.112	0.004263			4
+ 3.47	3.51	3.51	843.4336	0.002996			4
3.53	3.56	3.57	7197.191	0.036914			5
+ 3.63	3.63	3.67	1021.943	0.004277			6
+ 3.63	3.64	3.67	782.9722	0.003277			6
+ 3.63	3.66	3.67	855.5918	0.003581			6
3.63	3.67	3.67	1052.435	0.004405			6
Height Summation:			**14540.674**				
Amount Avg CF:			**0.010268**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCN Sample ID: CN **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274A
Result file : 25PCBS17289010.061.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**83.73**	
4.54	4.55	4.58	286.179	0.000778			1
4.61	4.61	4.64	4444.721	0.006227			2
4.73	4.75	4.77	1107.614	0.004836			3
4.82	4.83	4.86	519.1898	0.000998			4
5.01	5.03	5.05	3795.426	0.009833			5
Height Summation:			**10153.1298**				
Amount Avg CF:			**0.004534**	Linear:			
Aroclor-1260					**3**	**15.23**	
4.73	4.75	4.77	1107.614	0.002146			1
5.36	5.40	5.40	686.5466	0.001727			4
5.80	5.82	5.84	1538.997	0.002346			6
Height Summation:			**3333.1576**				
Amount Avg CF:			**0.002073**	Linear:			
Aroclor-1262					**5**	**75.16**	
5.20	5.23	5.24	945.4085	0.001501			1
5.36	5.40	5.40	686.5466	0.001294			2
5.80	5.82	5.84	1538.997	0.001786			4
5.86	5.86	5.90	308.5588	0.000737			5
6.23	6.25	6.27	2338.141	0.004524			6
Height Summation:			**5817.6519**				
Amount Avg CF:			**0.001968**	Linear:			
Aroclor-1268					**6**	**171.94**	
5.80	5.82	5.84	1538.997	0.001011			1
5.86	5.86	5.90	308.5588	0.000234			2
5.99	6.01	6.03	28472.64	0.023999			3
6.06	6.08	6.10	30493.89	0.096111			4
6.23	6.25	6.27	2338.141	0.004382			5
6.43	6.45	6.47	21614.12	0.004942			6
Height Summation:			**84766.3468**				
Amount Avg CF:			**0.02178**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274B
Result file : 25PCBS17289010B.061.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**108.42**	
2.88	2.88	2.92	1673.725	0.004875			1
3.21	3.22	3.25	1192.652	0.002795			2
+ 3.21	3.23	3.25	861.3427	0.002018			2
+ 3.21	3.25	3.25	658.7167	0.001544			2
+ 3.40	3.40	3.44	545.011	0.001159			3
3.40	3.41	3.44	2224.559	0.004733			3
+ 3.40	3.43	3.44	738.0276	0.00157			3
+ 3.47	3.48	3.51	845.8915	0.00163			4
3.47	3.50	3.51	1200.112	0.002313			4
+ 3.47	3.51	3.51	843.4336	0.001625			4
3.53	3.56	3.57	7197.191	0.019147			5
+ 3.63	3.63	3.67	1021.943	0.002222			6
+ 3.63	3.64	3.67	782.9722	0.001702			6
+ 3.63	3.66	3.67	855.5918	0.00186			6
3.63	3.67	3.67	1052.435	0.002288			6
Height Summation:			**14540.674**				
Amount Avg CF:			**0.006025**	Linear:			
Aroclor-1248					**6**	**70.41**	
+ 3.40	3.40	3.44	545.011	0.002259			1
3.40	3.41	3.44	2224.559	0.009219			1
+ 3.40	3.43	3.44	738.0276	0.003058			1
+ 3.47	3.48	3.51	845.8915	0.002295			2
3.47	3.50	3.51	1200.112	0.003256			2
+* 3.51	3.51	3.55	843.4336	0.001333			3
+* 3.47	3.51	3.51	843.4336	0.002288			2
3.51	3.53	3.55	2686.027	0.004246			3
+ 3.63	3.64	3.67	782.9722	0.000991			4
+ 3.63	3.66	3.67	855.5918	0.001083			4
3.63	3.67	3.67	1052.435	0.001332			4
3.72	3.73	3.76	937.9272	0.001641			5
+ 3.72	3.74	3.76	934.1623	0.001635			5
+ 3.72	3.75	3.76	790.4952	0.001383			5
3.86	3.89	3.90	4987.718	0.004709			6
Height Summation:			**13088.7782**				
Amount Avg CF:			**0.004067**	Linear:			
Aroclor-1254					**4**	**59.28**	
4.16	4.17	4.19	4868.001	0.005332			1
4.22	4.23	4.26	18321.14	0.011442			2
4.38	4.38	4.41	4217.729	0.004086			4
4.67	4.68	4.71	4009.078	0.003601			6
Height Summation:			**31415.948**				
Amount Avg CF:			**0.006115**	Linear:			
Aroclor-1260					**4**	**42.41**	
4.67	4.68	4.71	4009.078	0.003037			3
4.89	4.91	4.93	2149.902	0.002454			4
5.08	5.11	5.12	1865.015	0.000878			5
5.34	5.38	5.38	3398.697	0.002251			6
Height Summation:			**11422.692**				
Amount Avg CF:			**0.002155**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCN Sample ID: CN **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274A
Result file : 25PCBS17289010.061.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 03:06:33
Instrument : CP25--18274B
Result file : 25PCBS17289010B.061.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**5**	**60.39**	
4.70	4.74	4.74	4476.063	0.003223			1
4.89	4.91	4.93	2149.902	0.001577			2
5.09	5.11	5.13	1865.015	0.000631			3
5.35	5.38	5.39	3398.697	0.00176			5
+ 5.72	5.73	5.76	1048.999	0.000788			6
5.72	5.75	5.76	1354.159	0.001017			6

Height Summation: **13243.836**
Amount Avg CF: **0.001642** Linear:

Aroclor-1268					**5**	**158.78**	
5.35	5.38	5.39	3398.697	0.000959			2
5.50	5.52	5.54	62335.01	0.019293			3
5.57	5.59	5.61	63204.6	0.077713			4
+ 5.72	5.73	5.76	1048.999	0.000677			5
5.72	5.75	5.76	1354.159	0.000874			5
5.92	5.94	5.96	62275.34	0.004415			6

Height Summation: **192567.806**
Amount Avg CF: **0.020651** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						4.27	4	40	
Aroclor-1221						** 72.43	3	5	
Aroclor-1232						2.48	4	10	
Aroclor-1242						4.29	4	30	
Aroclor-1248						** 55.40	4	40	
Aroclor-1254						29.69	4	40	
Aroclor-1260						3.87	4	40	
Aroclor-1262						18.10	4	40	
Aroclor-1268						5.32	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: 10/30/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 5:11

Lab File ID: 25PCBS17289010.072.RAW Initial Calibration: 25PCBS1728901

Lab Standard ID: AR164SH Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	43.47	40.00	9
Decachlorobiphenyl	6.60	6.56	6.62	41.67	40.24	4
Aroclor-1016	3.18	3.16	3.20	213.10	202.00	5
	3.39	3.37	3.41	215.39	202.00	7
	3.51	3.49	3.53	217.70	202.00	8
	3.72	3.70	3.74	219.15	202.00	8
	3.78	3.76	3.80	220.81	202.00	9
	3.97	3.95	3.99	217.78	202.00	8
Aroclor-1260	4.75	4.73	4.77	221.56	201.64	10
	4.95	4.93	4.97	216.68	201.64	7
	5.15	5.13	5.17	214.97	201.64	7
	5.38	5.36	5.40	217.07	201.64	8
	5.61	5.60	5.64	212.49	201.64	5
	5.82	5.80	5.84	221.53	201.64	10

Compounds 14 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: 10/30/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 5:11

Lab File ID: 25PCBS17289010B.072.RAW Initial Calibration: 25PCBS1728901B

Lab Standard ID: AR164SH Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	44.67	40.00	12
Decachlorobiphenyl	6.10	6.07	6.13	45.55	40.24	13
Aroclor-1016	2.90	2.88	2.92	213.19	202.00	6
	3.23	3.21	3.25	211.14	202.00	5
	3.42	3.40	3.44	215.91	202.00	7
	3.49	3.47	3.51	220.38	202.00	9
	3.55	3.53	3.57	218.98	202.00	8
	3.65	3.63	3.67	216.28	202.00	7
Aroclor-1260	4.46	4.44	4.48	224.73	201.64	11
	4.56	4.54	4.58	229.29	201.64	14
	4.69	4.67	4.71	244.04	201.64	21
	4.91	4.89	4.93	230.14	201.64	14
	5.10	5.08	5.12	240.32	201.64	19
	5.36	5.34	5.38	228.99	201.64	14

Compounds 14 Average of %D: 11

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCO Sample ID: CO **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274A
Result file : 25PCBS17289010.073.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.217565
%SSR(DCB) : 102% (48-164) Conc.: 0.206915

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**56.69**	
3.16	3.18	3.20	952.4031	0.004024			1
+ 3.37	3.38	3.41	1418.646	0.006078			2
3.37	3.41	3.41	1931.46	0.008275			2
3.49	3.50	3.53	1995.406	0.006958			3
3.70	3.72	3.74	5644.979	0.015958			4
3.76	3.76	3.80	1495.273	0.004799			5
3.95	3.99	3.99	1337.092	0.005919			6
Height Summation:			**13356.6131**				
Amount Avg CF:			**0.007656**	Linear:			
Aroclor-1221					**3**	**167.39**	
3.06	3.07	3.10	719.3834	0.005527			1
3.11	3.12	3.15	41042.71	0.356811			2
3.16	3.18	3.20	952.4031	0.00265			3
Height Summation:			**42714.4965**				
Amount Avg CF:			**0.121662**	Linear:			
Aroclor-1232					**6**	**63.70**	
3.16	3.18	3.20	952.4031	0.003363			1
+ 3.38	3.38	3.42	1418.646	0.013258			2
3.38	3.41	3.42	1931.46	0.018051			2
3.49	3.50	3.53	1995.406	0.015007			3
3.70	3.72	3.74	5644.979	0.033415			4
3.76	3.76	3.80	1495.273	0.010416			5
3.95	3.99	3.99	1337.092	0.014157			6
Height Summation:			**13356.6131**				
Amount Avg CF:			**0.015735**	Linear:			
Aroclor-1242					**6**	**56.82**	
3.16	3.18	3.20	952.4031	0.004863			1
+ 3.38	3.38	3.42	1418.646	0.007709			2
3.38	3.41	3.42	1931.46	0.010495			2
3.49	3.50	3.53	1995.406	0.008606			3
3.70	3.72	3.74	5644.979	0.019919			4
3.76	3.76	3.80	1495.273	0.006119			5
3.95	3.99	3.99	1337.092	0.007389			6
Height Summation:			**13356.6131**				
Amount Avg CF:			**0.009565**	Linear:			
Aroclor-1248					**5**	**127.17**	
3.71	3.72	3.75	5644.979	0.037128			1
3.76	3.76	3.80	1495.273	0.008505			2
3.83	3.85	3.87	1331.006	0.004684			3
3.96	3.99	4.00	1337.092	0.004047			4
4.04	4.04	4.08	768.4824	0.002756			5
Height Summation:			**10576.8324**				
Amount Avg CF:			**0.011424**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274B
Result file : 25PCBS17289010B.073.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 0.216579
%SSR(DCB) : 103% (48-164) Conc.: 0.207362

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**64.73**	
3.21	3.22	3.25	3045.329	0.005676			2
+ 3.21	3.24	3.25	841.2402	0.001568			2
+ 3.40	3.41	3.44	531.1553	0.000906			3
3.40	3.42	3.44	1066.599	0.001819			3
3.47	3.48	3.51	4914.289	0.007635			4
+ 3.47	3.51	3.51	647.6859	0.001006			4
3.53	3.57	3.57	5972.44	0.012657			5
3.63	3.64	3.67	9213.128	0.016226			6
+ 3.63	3.67	3.67	3284.427	0.005784			6
Height Summation:			**24211.785**				
Amount Avg CF:			**0.008803**	Linear:			
Aroclor-1221					**2**	**134.75**	
2.77	2.78	2.81	2985.472	0.011203			1
2.83	2.83	2.87	76165.38	0.463473			2
Height Summation:			**79150.852**				
Amount Avg CF:			**0.237338**	Linear:			
Aroclor-1232					**5**	**68.48**	
3.21	3.22	3.25	3045.329	0.01196			2
+ 3.21	3.24	3.25	841.2402	0.003304			2
+ 3.40	3.41	3.44	531.1553	0.001922			3
3.40	3.42	3.44	1066.599	0.003859			3
3.47	3.48	3.51	4914.289	0.017457			4
+ 3.47	3.51	3.51	647.6859	0.002301			4
3.53	3.57	3.57	5972.44	0.030633			5
3.63	3.64	3.67	9213.128	0.03856			6
+ 3.63	3.67	3.67	3284.427	0.013746			6
Height Summation:			**24211.785**				
Amount Avg CF:			**0.020494**	Linear:			
Aroclor-1242					**5**	**64.35**	
3.21	3.22	3.25	3045.329	0.007136			2
+ 3.21	3.24	3.25	841.2402	0.001971			2
+ 3.40	3.41	3.44	531.1553	0.00113			3
3.40	3.42	3.44	1066.599	0.002269			3
3.47	3.48	3.51	4914.289	0.009471			4
+ 3.47	3.51	3.51	647.6859	0.001248			4
3.53	3.57	3.57	5972.44	0.015888			5
3.63	3.64	3.67	9213.128	0.020029			6
+ 3.63	3.67	3.67	3284.427	0.00714			6
Height Summation:			**24211.785**				
Amount Avg CF:			**0.010959**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCO Sample ID: CO **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274A
Result file : 25PCBS17289010.073.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**186.50**	
4.54	4.55	4.58	196523.9	0.534116			1
4.61	4.61	4.64	42393.31	0.059388			2
4.73	4.74	4.77	2498.167	0.010907			3
+ 4.82	4.83	4.86	773.5152	0.001487			4
4.82	4.85	4.86	2529.701	0.004862			4
5.01	5.03	5.05	3408.131	0.00883			5
Height Summation:			**247353.209**				
Amount Avg CF:			**0.123621**	Linear:			
Aroclor-1260					**4**	**68.64**	
4.73	4.74	4.77	2498.167	0.00484			1
4.93	4.94	4.97	488.474	0.00078			2
5.36	5.40	5.40	1311.461	0.0033			4
5.80	5.83	5.84	1056.657	0.001611			6
+ 5.80	5.84	5.84	622.824	0.000949			6
Height Summation:			**5354.759**				
Amount Avg CF:			**0.002632**	Linear:			
Aroclor-1262					**4**	**36.65**	
5.36	5.40	5.40	1311.461	0.002472			2
5.80	5.83	5.84	1056.657	0.001226			4
+ 5.80	5.84	5.84	622.824	0.000723			4
+ 5.86	5.89	5.90	797.6863	0.001905			5
5.86	5.90	5.90	893.5901	0.002134			5
6.23	6.26	6.27	620.2573	0.0012			6
Height Summation:			**3881.9654**				
Amount Avg CF:			**0.001758**	Linear:			
Aroclor-1268					**6**	**173.17**	
5.80	5.83	5.84	1056.657	0.000694			1
+ 5.80	5.84	5.84	622.824	0.000409			1
+ 5.86	5.89	5.90	797.6863	0.000604			2
5.86	5.90	5.90	893.5901	0.000677			2
5.99	6.01	6.03	18610.33	0.015687			3
6.06	6.08	6.10	19921.89	0.06279			4
6.23	6.26	6.27	620.2573	0.001163			5
6.43	6.45	6.47	17129.48	0.003917			6
Height Summation:			**58232.2044**				
Amount Avg CF:			**0.014154**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274B
Result file : 25PCBS17289010B.073.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**46.30**	
+ 3.40	3.41	3.44	531.1553	0.002201			1
3.40	3.42	3.44	1066.599	0.00442			1
3.47	3.48	3.51	4914.289	0.013332			2
+ 3.47	3.51	3.51	647.6859	0.001757			2
+ 3.51	3.52	3.55	789.359	0.001248			3
3.51	3.53	3.55	3203.951	0.005064			3
3.63	3.64	3.67	9213.128	0.01166			4
+ 3.63	3.67	3.67	3284.427	0.004157			4
+ 3.72	3.73	3.76	393.3762	0.000688			5
+ 3.72	3.74	3.76	1494.351	0.002615			5
3.72	3.76	3.76	3887.358	0.006803			5
3.86	3.89	3.90	6699.692	0.006325			6
Height Summation:			**28985.017**				
Amount Avg CF:			**0.007934**	Linear:			
Aroclor-1254					**4**	**163.08**	
4.16	4.19	4.19	75010.49	0.082155			1
4.22	4.23	4.26	12524.92	0.007822			2
4.38	4.39	4.41	3301.777	0.003199			4
+ 4.38	4.41	4.41	1229.936	0.001192			4
4.67	4.70	4.71	2574.64	0.002312			6
Height Summation:			**93411.827**				
Amount Avg CF:			**0.023872**	Linear:			
Aroclor-1260					**4**	**40.60**	
+ 4.54	4.55	4.58	840.1271	0.000773			2
4.54	4.57	4.58	1328.469	0.001222			2
4.67	4.70	4.71	2574.64	0.00195			3
4.89	4.91	4.93	2203.151	0.002515			4
5.08	5.10	5.12	2196.669	0.001034			5
Height Summation:			**8302.929**				
Amount Avg CF:			**0.00168**	Linear:			
Aroclor-1262					**4**	**167.29**	
+ 4.70	4.70	4.74	2574.64	0.001854			1
4.70	4.73	4.74	34300.7	0.024702			1
4.89	4.91	4.93	2203.151	0.001616			2
5.09	5.10	5.13	2196.669	0.000743			3
5.30	5.31	5.34	1268.186	0.001104			4
Height Summation:			**39968.706**				
Amount Avg CF:			**0.007041**	Linear:			
Aroclor-1268					**4**	**105.02**	
+ 5.30	5.31	5.34	1268.186	0.000351			1
5.30	5.34	5.34	67494.92	0.01869			1
5.50	5.52	5.54	49791.99	0.015411			3
5.57	5.59	5.61	51325.36	0.063107			4
5.92	5.94	5.96	40889.16	0.002899			6
Height Summation:			**209501.43**				
Amount Avg CF:			**0.025026**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCO Sample ID: CO **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274A
Result file : 25PCBS17289010.073.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 05:22:40
Instrument : CP25--18274B
Result file : 25PCBS17289010B.073.RAW
Calibration file : 25PCBS1728901B.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						13.94	4	40	
Aroclor-1221						** 64.44	3	5	
Aroclor-1232						26.27	4	10	
Aroclor-1242						13.58	4	30	
Aroclor-1248						36.06	4	40	
Aroclor-1254						** 135.26	4	40	
Aroclor-1260						** 44.16	4	40	
Aroclor-1262						** 120.08	4	40	
Aroclor-1268						** 55.50	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: 10/30/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 8:46

Lab File ID: 25PCBS17289010.091.RAW Initial Calibration: 25PCBS1728901

Lab Standard ID: AR164SI Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.93	2.90	2.96	42.06	40.00	5
Decachlorobiphenyl	6.60	6.56	6.62	39.29	40.24	-2
Aroclor-1016	3.18	3.16	3.20	207.48	202.00	3
	3.40	3.37	3.41	208.81	202.00	3
	3.51	3.49	3.53	206.54	202.00	2
	3.73	3.70	3.74	203.81	202.00	1
	3.78	3.76	3.80	206.59	202.00	2
	3.97	3.95	3.99	197.37	202.00	-2
Aroclor-1260	4.75	4.73	4.77	195.42	201.64	-3
	4.95	4.93	4.97	193.44	201.64	-4
	5.15	5.13	5.17	203.06	201.64	1
	5.38	5.36	5.40	193.01	201.64	-4
	5.62	5.60	5.64	192.05	201.64	-5
	5.82	5.80	5.84	203.27	201.64	1

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 10/30/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 8:46

Lab File ID: 25PCBS17289010B.091.RAW Initial Calibration: 25PCBS1728901B

Lab Standard ID: AR164SI Init. Calib Date(s): 10/16/17 10/16/17

Calibration: 25PCBS1728901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.61	2.58	2.64	42.78	40.00	7
Decachlorobiphenyl	6.10	6.07	6.13	37.59	40.24	-7
Aroclor-1016	2.90	2.88	2.92	211.81	202.00	5
	3.23	3.21	3.25	207.76	202.00	3
	3.42	3.40	3.44	211.75	202.00	5
	3.49	3.47	3.51	208.21	202.00	3
	3.55	3.53	3.57	211.07	202.00	4
	3.66	3.63	3.67	209.90	202.00	4
Aroclor-1260	4.46	4.44	4.48	207.09	201.64	3
	4.57	4.54	4.58	212.86	201.64	6
	4.69	4.67	4.71	230.24	201.64	14
	4.91	4.89	4.93	208.61	201.64	3
	5.11	5.08	5.12	218.67	201.64	8
	5.36	5.34	5.38	206.28	201.64	2

Compounds 14 Average of %D: 5

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCP Sample ID: CP **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274A
Result file : 25PCBS17289010.092.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 0.214301
%SSR(DCB) : 96% (48-164) Conc.: 0.193763

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**28.84**	
3.16	3.17	3.20	1410.923	0.005962			1
+ 3.37	3.38	3.41	1701.08	0.007288			2
3.37	3.40	3.41	1998.643	0.008563			2
3.49	3.50	3.53	1618.747	0.005644			3
+ 3.49	3.52	3.53	403.7862	0.001408			3
3.70	3.72	3.74	3927.31	0.011102			4
3.95	3.97	3.99	1641.202	0.007265			6
Height Summation:			**10596.825**				
Amount Avg CF:			**0.007707**	Linear:			
Aroclor-1221					**3**	**163.79**	
+ 3.06	3.08	3.10	402.2673	0.00309			1
3.06	3.09	3.10	1209.647	0.009293			1
3.11	3.12	3.15	40356.11	0.350842			2
3.16	3.17	3.20	1410.923	0.003925			3
Height Summation:			**42976.68**				
Amount Avg CF:			**0.121353**	Linear:			
Aroclor-1232					**5**	**45.67**	
3.16	3.17	3.20	1410.923	0.004982			1
+ 3.38	3.38	3.42	1701.08	0.015898			2
3.38	3.40	3.42	1998.643	0.018679			2
3.49	3.50	3.53	1618.747	0.012175			3
+ 3.49	3.52	3.53	403.7862	0.003037			3
3.70	3.72	3.74	3927.31	0.023247			4
3.95	3.97	3.99	1641.202	0.017377			6
Height Summation:			**10596.825**				
Amount Avg CF:			**0.015292**	Linear:			
Aroclor-1242					**5**	**29.75**	
3.16	3.17	3.20	1410.923	0.007205			1
+ 3.38	3.38	3.42	1701.08	0.009244			2
3.38	3.40	3.42	1998.643	0.010861			2
3.49	3.50	3.53	1618.747	0.006982			3
+ 3.49	3.52	3.53	403.7862	0.001742			3
3.70	3.72	3.74	3927.31	0.013858			4
3.95	3.97	3.99	1641.202	0.00907			6
Height Summation:			**10596.825**				
Amount Avg CF:			**0.009595**	Linear:			
Aroclor-1248					**4**	**126.19**	
3.71	3.72	3.75	3927.31	0.025831			1
3.83	3.85	3.87	744.0858	0.002618			3
3.96	3.97	4.00	1641.202	0.004967			4
4.04	4.08	4.08	675.7823	0.002424			5
Height Summation:			**6988.3801**				
Amount Avg CF:			**0.00896**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274B
Result file : 25PCBS17289010B.092.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 0.209716
%SSR(DCB) : 98% (48-164) Conc.: 0.198347

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**110.74**	
+ 3.21	3.22	3.25	783.6001	0.001461			2
3.21	3.22	3.25	948.625	0.001768			2
+ 3.21	3.23	3.25	859.7173	0.001602			2
+ 3.21	3.24	3.25	620.1393	0.001156			2
+ 3.40	3.41	3.44	319.5294	0.000545			3
+ 3.40	3.42	3.44	540.2773	0.000922			3
3.40	3.43	3.44	626.2319	0.001068			3
3.47	3.48	3.51	2804.048	0.004357			4
+ 3.47	3.50	3.51	1981.635	0.003079			4
3.53	3.56	3.57	8648.78	0.018329			5
3.63	3.64	3.67	3473.844	0.006118			6
+ 3.63	3.66	3.67	529.925	0.000933			6
Height Summation:			**16501.5289**				
Amount Avg CF:			**0.006328**	Linear:			
Aroclor-1221					**2**	**133.16**	
2.77	2.78	2.81	3665.414	0.013754			1
+ 2.77	2.80	2.81	2682.343	0.010065			1
2.83	2.83	2.87	75163.3	0.457375			2
Height Summation:			**78828.714**				
Amount Avg CF:			**0.235565**	Linear:			
Aroclor-1232					**5**	**114.58**	
+ 3.21	3.22	3.25	783.6001	0.003078			2
3.21	3.22	3.25	948.625	0.003726			2
+ 3.21	3.23	3.25	859.7173	0.003376			2
+ 3.21	3.24	3.25	620.1393	0.002436			2
+ 3.40	3.41	3.44	319.5294	0.001156			3
+ 3.40	3.42	3.44	540.2773	0.001955			3
3.40	3.43	3.44	626.2319	0.002266			3
3.47	3.48	3.51	2804.048	0.009961			4
+ 3.47	3.50	3.51	1981.635	0.007039			4
3.53	3.56	3.57	8648.78	0.04436			5
3.63	3.64	3.67	3473.844	0.014539			6
+ 3.63	3.66	3.67	529.925	0.002218			6
Height Summation:			**16501.5289**				
Amount Avg CF:			**0.01497**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCP Sample ID: CP **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274A
Result file : 25PCBS17289010.092.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**159.93**	
4.54	4.55	4.58	36161.27	0.09828			1
4.61	4.61	4.64	7768.11	0.010882			2
4.73	4.74	4.77	2709.823	0.011832			3
+ 4.82	4.83	4.86	699.4822	0.001344			4
4.82	4.85	4.86	773.2958	0.001486			4
5.01	5.03	5.05	5675.664	0.014704			5
5.13	5.15	5.17	1158.396	0.002208			6
Height Summation:			**54246.5588**				
Amount Avg CF:			**0.023232**	Linear:			
Aroclor-1260					**5**	**63.21**	
4.73	4.74	4.77	2709.823	0.00525			1
5.13	5.15	5.17	1158.396	0.001487			3
5.36	5.39	5.40	1547.011	0.003892			4
5.60	5.62	5.64	963.7315	0.000898			5
5.80	5.82	5.84	1652.702	0.002519			6
Height Summation:			**8031.6635**				
Amount Avg CF:			**0.002809**	Linear:			
Aroclor-1262					**6**	**65.49**	
5.20	5.24	5.24	507.5664	0.000806			1
5.36	5.39	5.40	1547.011	0.002916			2
5.60	5.62	5.64	963.7315	0.000713			3
5.80	5.82	5.84	1652.702	0.001918			4
+ 5.86	5.86	5.90	274.5854	0.000656			5
5.86	5.90	5.90	586.1213	0.0014			5
6.23	6.24	6.27	2057.291	0.003981			6
Height Summation:			**7314.4232**				
Amount Avg CF:			**0.001956**	Linear:			
Aroclor-1268					**6**	**176.70**	
5.80	5.82	5.84	1652.702	0.001085			1
+ 5.86	5.86	5.90	274.5854	0.000208			2
5.86	5.90	5.90	586.1213	0.000444			2
5.99	6.01	6.03	22436.42	0.018912			3
6.06	6.08	6.10	27421.59	0.086427			4
6.23	6.24	6.27	2057.291	0.003856			5
6.43	6.45	6.47	16083.61	0.003678			6
Height Summation:			**70237.7343**				
Amount Avg CF:			**0.019067**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274B
Result file : 25PCBS17289010B.092.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**5**	**111.38**	
+ 3.21	3.22	3.25	783.6001	0.001836			2
3.21	3.22	3.25	948.625	0.002223			2
+ 3.21	3.23	3.25	859.7173	0.002015			2
+ 3.21	3.24	3.25	620.1393	0.001453			2
+ 3.40	3.41	3.44	319.5294	0.00068			3
+ 3.40	3.42	3.44	540.2773	0.001149			3
3.40	3.43	3.44	626.2319	0.001332			3
3.47	3.48	3.51	2804.048	0.005404			4
+ 3.47	3.50	3.51	1981.635	0.003819			4
3.53	3.56	3.57	8648.78	0.023008			5
3.63	3.64	3.67	3473.844	0.007552			6
+ 3.63	3.66	3.67	529.925	0.001152			6
Height Summation:			**16501.5289**				
Amount Avg CF:			**0.007904**	Linear:			
Aroclor-1248					**6**	**56.23**	
+ 3.40	3.41	3.44	319.5294	0.001324			1
+ 3.40	3.42	3.44	540.2773	0.002239			1
3.40	3.43	3.44	626.2319	0.002595			1
3.47	3.48	3.51	2804.048	0.007607			2
+ 3.47	3.50	3.51	1981.635	0.005376			2
+ 3.51	3.52	3.55	440.3156	0.000696			3
3.51	3.53	3.55	3475.981	0.005494			3
3.63	3.64	3.67	3473.844	0.004397			4
+ 3.63	3.66	3.67	529.925	0.000671			4
+ 3.72	3.73	3.76	1065.475	0.001865			5
3.72	3.74	3.76	1521.663	0.002663			5
+ 3.72	3.75	3.76	715.4959	0.001252			5
3.86	3.88	3.90	1525.034	0.00144			6
Height Summation:			**13426.8019**				
Amount Avg CF:			**0.004033**	Linear:			
Aroclor-1254					**5**	**85.96**	
4.16	4.19	4.19	14821.33	0.016233			1
4.22	4.23	4.26	19585.64	0.012231			2
+ 4.31	4.31	4.35	1040.707	0.001393			3
4.31	4.33	4.35	2711.709	0.003631			3
4.38	4.41	4.41	1682.092	0.00163			4
4.67	4.67	4.71	3913.601	0.003515			6
+ 4.67	4.71	4.71	1837.935	0.001651			6
Height Summation:			**42714.372**				
Amount Avg CF:			**0.007448**	Linear:			
Aroclor-1260					**4**	**38.91**	
4.44	4.47	4.48	2646.71	0.001862			1
4.67	4.67	4.71	3913.601	0.002964			3
+ 4.67	4.71	4.71	1837.935	0.001392			3
4.89	4.91	4.93	1629.255	0.00186			4
5.08	5.11	5.12	2382.521	0.001122			5
Height Summation:			**10572.087**				
Amount Avg CF:			**0.001952**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCP Sample ID: CP **Batchnumber: 1730199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274A
Result file : 25PCBS17289010.092.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 08:57:31
Instrument : CP25--18274B
Result file : 25PCBS17289010B.092.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**134.49**	
+ 4.70	4.71	4.74	1837.935	0.001324			1
4.70	4.73	4.74	5480.975	0.003947			1
4.89	4.91	4.93	1629.255	0.001195			2
5.09	5.11	5.13	2382.521	0.000806			3
5.72	5.72	5.76	23312.24	0.017504			6
+ 5.72	5.75	5.76	1785.896	0.001341			6
Height Summation:			**32804.991**				
Amount Avg CF:				**0.005863** Linear:			
Aroclor-1268					**5**	**107.25**	
5.30	5.34	5.34	79141.01	0.021914			1
5.50	5.52	5.54	56041.12	0.017345			3
5.57	5.59	5.61	62051.11	0.076295			4
5.72	5.72	5.76	23312.24	0.015039			5
+ 5.72	5.75	5.76	1785.896	0.001152			5
5.92	5.94	5.96	39872.54	0.002826			6
Height Summation:			**260418.02**				
Amount Avg CF:				**0.026684** Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						19.65	4	40	
Aroclor-1221						** 64.00	3	5	
Aroclor-1232						2.13	4	10	
Aroclor-1242						19.33	4	30	
Aroclor-1248						** 75.85	4	40	
Aroclor-1254						** 102.90	4	40	
Aroclor-1260						36.02	4	40	
Aroclor-1262						** 99.95	4	40	
Aroclor-1268						33.30	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 07PCBS17284001
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	07PCBS17284001.0001	CONDITIONER		10/11/17 19:03	1728399999	1.00
9065	07PCBS17284001.0002	CONDITIONER		10/11/17 19:14	1728399999	1.00
9065	07PCBS17284001.0003	CONDITIONER		10/11/17 19:26	1728399999	1.00
9065	07PCBS17284001.0004	CONDITIONER		10/11/17 19:37	1728399999	1.00
9065	07PCBS17284001.0005	IBLKX1724B	PIBLKAA	10/11/17 19:48	1728399999	10.00
9065	07PCBS17284001.0006	EVALX1724A	EVALXAA	10/11/17 20:00	1728399999	1.00
9065	07PCBS17284001.0007	AR1611724B	AR161AA	10/11/17 20:11	1728399999	1.00
9065	07PCBS17284001.0008	AR1621724B	AR162AA	10/11/17 20:23	1728399999	1.00
9065	07PCBS17284001.0009	AR1631724B	AR163AA	10/11/17 20:34	1728399999	1.00
9065	07PCBS17284001.0010	AR1641724B	AR164AA	10/11/17 20:45	1728399999	1.00
9065	07PCBS17284001.0011	AR1651724B	AR165AA	10/11/17 20:57	1728399999	1.00
9065	07PCBS17284001.0012	AR1661724A	AR166AA	10/11/17 21:08	1728399999	1.00
9065	07PCBS17284001.0013	AR4811724C	AR481AA	10/11/17 21:20	1728399999	1.00
9065	07PCBS17284001.0014	AR4821724C	AR482AA	10/11/17 21:31	1728399999	1.00
9065	07PCBS17284001.0015	AR4831724C	AR483AA	10/11/17 21:42	1728399999	1.00
9065	07PCBS17284001.0016	AR4841724C	AR484AA	10/11/17 21:54	1728399999	1.00
9065	07PCBS17284001.0017	AR4851724C	AR485AA	10/11/17 22:05	1728399999	1.00
9065	07PCBS17284001.0018	AR4861724B	AR486AA	10/11/17 22:17	1728399999	1.00
9065	07PCBS17284001.0019	AR5411724C	AR541AA	10/11/17 22:28	1728399999	1.00
9065	07PCBS17284001.0020	AR5421724C	AR542AA	10/11/17 22:40	1728399999	1.00
9065	07PCBS17284001.0021	AR5431724C	AR543AA	10/11/17 22:51	1728399999	1.00
9065	07PCBS17284001.0022	AR5441724C	AR544AA	10/11/17 23:03	1728399999	1.00
9065	07PCBS17284001.0023	AR5451724C	AR545AA	10/11/17 23:14	1728399999	1.00
9065	07PCBS17284001.0024	AR5461724B	AR546AA	10/11/17 23:25	1728399999	1.00
9065	07PCBS17284001.0025	AR6231724A	AR623AA	10/11/17 23:37	1728399999	1.00
9065	07PCBS17284001.0026	AR6831724B	AR683AA	10/11/17 23:48	1728399999	1.00
9065	07PCBS17284001.0027	AR2131724A	AR213AA	10/12/17 0:00	1728399999	1.00
9065	07PCBS17284001.0028	AR3241724A	AR324AA	10/12/17 0:11	1728399999	1.00
9065	07PCBS17284001.0029	AR4231724A	AR423AA	10/12/17 0:23	1728399999	1.00
9065	07PCBS17284001.0030	MD16X1724B	MD16XAA	10/12/17 0:34	1728399999	1.00
9065	07PCBS17284001.0031	AR16XX1724B	AR16XAA	10/12/17 0:46	1728399999	1.00
9065	07PCBS17284001.0032	IC16X1724C	IC16XAA	10/12/17 0:57	1728399999	1.00
9065	07PCBS17284001.0033	IC48X1724B	IC48XAA	10/12/17 1:09	1728399999	1.00
9065	07PCBS17284001.0034	IC54X1724B	IC54XAA	10/12/17 1:20	1728399999	1.00
9065	07PCBS17284001.0035	9238122MSD RI ACF	R5111	10/12/17 1:31	172770038A	10.00
9065	07PCBS17284001.0036	9238124 RI ACF	R5112	10/12/17 1:43	172770038A	10.00
9065	07PCBS17284001.0037	9238125 RI ACF	R5113	10/12/17 1:54	172770038A	10.00
9065	07PCBS17284001.0038	9238126 RI ACF	R5114	10/12/17 2:06	172770038A	10.00
9065	07PCBS17284001.0039	9238127 RI ACF	R5115	10/12/17 2:17	172770038A	10.00
9065	07PCBS17284001.0040	9238128 RI ACF	R5116	10/12/17 2:29	172770038A	10.00
9065	07PCBS17284001.0041	9238129 RI ACF	R5117	10/12/17 2:40	172770038A	10.00
9065	07PCBS17284001.0042	9238130 RI ACF	R5118	10/12/17 2:51	172770038A	10.00
9065	07PCBS17284001.0043	9238131 RI ACF	R5119	10/12/17 3:03	172770038A	10.00
9065	07PCBS17284001.0044	9238132 RI ACF	R5120	10/12/17 3:14	172770038A	10.00
9065	07PCBS17284001.0045	AR1641724B	AR164KU	10/12/17 3:25	1728399999	1.00
9065	07PCBS17284001.0046	IBLKX1724B	PIBLKRT	10/12/17 3:37	1728399999	10.00
9065	07PCBS17284001.0047	BLANKA 10/9/17 AC	IPBLK28282	10/12/17 3:48	172820028A	10.00
9065	07PCBS17284001.0048	LCSA 10/9/17 ACF	LCS28282	10/12/17 4:00	172820028A	10.00
9065	07PCBS17284001.0049	9229478 ACF DF20	C99A09	10/12/17 4:11	172820028A	2,000.00
9065	07PCBS17284001.0050	9229478 ACF DF50	C99A09	10/12/17 4:23	172820028A	5,000.00
9065	07PCBS17284001.0051	9229479 ACF DF50	99A10	10/12/17 4:34	172820028A	500.00
9065	07PCBS17284001.0052	9229480 ACF DF50	99A11	10/12/17 4:45	172820028A	500.00
9065	07PCBS17284001.0053	9229480 ACF DF10	C99A11	10/12/17 4:57	172820028A	1,000.00
9065	07PCBS17284001.0054	9229481 ACF DF50	99A12	10/12/17 5:08	172820028A	500.00
9065	07PCBS17284001.0055	9229482 ACF DF20	99A13	10/12/17 5:19	172820028A	200.00
9065	07PCBS17284001.0056	9229483 ACF DF10	C99A14	10/12/17 5:31	172820028A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17284001.0057	9229484 ACF DF50	99A15	10/12/17 5:42	172820028A	500.00
9065	07PCBS17284001.0058	9229485MS ACF DF	99A15	10/12/17 5:54	172820028A	500.00
9065	07PCBS17284001.0059	9229486MSD ACF D	99A15	10/12/17 6:05	172820028A	500.00
9065	07PCBS17284001.0060	9229487 ACF DF50	99A16	10/12/17 6:17	172820028A	500.00
9065	07PCBS17284001.0061	9229488 ACF DF20	99A17	10/12/17 6:28	172820028A	200.00
9065	07PCBS17284001.0062	9229489 ACF DF10	C99A18	10/12/17 6:39	172820028A	1,000.00
9065	07PCBS17284001.0063	9229493 ACF DF50	C01A01	10/12/17 6:51	172820028A	5,000.00
9065	07PCBS17284001.0064	9229494 ACF DF50	C01A02	10/12/17 7:02	172820028A	5,000.00
9065	07PCBS17284001.0065	9229494 ACF DF10	C01A02	10/12/17 7:14	172820028A	########
9065	07PCBS17284001.0066	BLANKA 10/9/17 AC	PBLK27282	10/12/17 7:25	172820027A	10.00
9065	07PCBS17284001.0067	AR1641724B	AR164KV	10/12/17 7:37	1728399999	1.00
9065	07PCBS17284001.0068	IBLKX1724B	PIBLKRU	10/12/17 7:48	1728399999	10.00
9065	07PCBS17284001.0069	LCSA 10/9/17 ACF	LCS27282	10/12/17 8:00	172820027A	10.00
9065	07PCBS17284001.0070	9229463 ACF DF10	98A14	10/12/17 8:11	172820027A	100.00
9065	07PCBS17284001.0071	9229464 ACF DF50	98A15	10/12/17 8:22	172820027A	500.00
9065	07PCBS17284001.0072	9229465 ACF DF20	98A16	10/12/17 8:34	172820027A	200.00
9065	07PCBS17284001.0073	9229466MS ACF DF	98A16	10/12/17 8:46	172820027A	200.00
9065	07PCBS17284001.0074	9229467MSD ACF D	98A16	10/12/17 8:57	172820027A	200.00
9065	07PCBS17284001.0075	9229468 ACF DF10	98A17	10/12/17 9:08	172820027A	100.00
9065	07PCBS17284001.0076	9229468 ACF DF20	98A17	10/12/17 9:20	172820027A	200.00
9065	07PCBS17284001.0077	9229469 ACF DF10	98A18	10/12/17 9:31	172820027A	100.00
9065	07PCBS17284001.0078	9229470 ACF DF20	C99A01	10/12/17 9:42	172820027A	2,000.00
9065	07PCBS17284001.0079	9229471 ACF DF10	C99A02	10/12/17 9:54	172820027A	1,000.00
9065	07PCBS17284001.0080	9229472 ACF DF10	C99A03	10/12/17 10:05	172820027A	########
9065	07PCBS17284001.0081	9229473 ACF DF10	C99A04	10/12/17 10:17	172820027A	########
9065	07PCBS17284001.0082	9229474 ACF DF10	C99A05	10/12/17 10:28	172820027A	1,000.00
9065	07PCBS17284001.0083	9229475 ACF DF50	99A06	10/12/17 10:40	172820027A	500.00
9065	07PCBS17284001.0084	9229475 ACF DF10	C99A06	10/12/17 10:51	172820027A	1,000.00
9065	07PCBS17284001.0085	9229476 ACF DF10	C99A07	10/12/17 11:03	172820027A	1,000.00
9065	07PCBS17284001.0086	9229477 ACF DF50	C99A08	10/12/17 11:14	172820027A	5,000.00
9065	07PCBS17284001.0087	AR1641724B	AR164KW	10/12/17 11:26	1728399999	1.00
9065	07PCBS17284001.0088	IBLKX1724B	PIBLKRV	10/12/17 11:37	1728399999	10.00
9065	07PCBS17284001.0089	BLANKA 10/7/17 AF	PBLK10279	10/12/17 11:48	172790010A	10.00
9065	07PCBS17284001.0090	LCSA 10/7/17 AF	LCS10279	10/12/17 12:00	172790010A	10.00
9065	07PCBS17284001.0091	LCSDA 10/7/17 AF	LCSD10279	10/12/17 12:11	172790010A	10.00
9065	07PCBS17284001.0092	9234872 AF DF10	01F01	10/12/17 12:23	172790010A	100.00
9065	07PCBS17284001.0093	9234873 AF DF5	01F02	10/12/17 12:34	172790010A	50.00
9065	07PCBS17284001.0094	9234874 RI AF	01F03	10/12/17 12:45	172790010A	10.00
9065	07PCBS17284001.0095	9234875 AF DF10	01F04	10/12/17 12:57	172790010A	100.00
9065	07PCBS17284001.0096	9234876 AF DF5	01F05	10/12/17 13:08	172790010A	50.00
9065	07PCBS17284001.0097	9234877 AF DF10	01F06	10/12/17 13:20	172790010A	100.00
9065	07PCBS17284001.0098	9234878 AF DF5	01F07	10/12/17 13:31	172790010A	50.00
9065	07PCBS17284001.0099	AR1641724B	AR164KX	10/12/17 13:43	1728399999	1.00
9065	07PCBS17284001.0100	IBLKX1724B	PIBLKRW	10/12/17 13:54	1728399999	10.00
9065	07PCBS17284001.0101	9234879 AF DF5	01F08	10/12/17 14:06	172790010A	50.00
9065	07PCBS17284001.0102	9234880 RI AF	01F09	10/12/17 14:17	172790010A	10.00
9065	07PCBS17284001.0103	9234881 AF DF5	01F10	10/12/17 14:29	172790010A	50.00
9065	07PCBS17284001.0104	9234882 AF DF5	01F11	10/12/17 14:40	172790010A	50.00
9065	07PCBS17284001.0105	9234883 AF DF5	01F12	10/12/17 14:51	172790010A	50.00
9065	07PCBS17284001.0106	9234884 RI AF	01F13	10/12/17 15:03	172790010A	10.00
9065	07PCBS17284001.0107	9234885 AF DF5	01F14	10/12/17 15:14	172790010A	50.00
9065	07PCBS17284001.0108	9234886 RI AF	01F15	10/12/17 15:26	172790010A	10.00
9065	07PCBS17284001.0109	9234887 AF DF5	01F16	10/12/17 15:37	172790010A	50.00
9065	07PCBS17284001.0110	9234888 RI AF	01F17	10/12/17 15:49	172790010A	10.00
9065	07PCBS17284001.0111	AR1641724B	AR164KY	10/12/17 16:00	1728399999	1.00
9065	07PCBS17284001.0112	IBLKX1724B	PIBLKRX	10/12/17 16:12	1728399999	10.00
9065	07PCBS17284001.0113	9234889 AF DF5	01F18	10/12/17 16:23	172790010A	50.00
9065	07PCBS17284001.0114	9234890 AF DF5	01F19	10/12/17 16:35	172790010A	50.00
9065	07PCBS17284001.0115	9234891 AF DF5	01F20	10/12/17 16:46	172790010A	50.00
9065	07PCBS17284001.0116	BLANKA 10/7/17 AF	PBLK11279	10/12/17 16:58	172790011A	10.00
9065	07PCBS17284001.0117	LCSA 10/7/17 AF	LCS11279	10/12/17 17:09	172790011A	10.00
9065	07PCBS17284001.0118	LCSDA 10/7/17 AF	LCSD11279	10/12/17 17:21	172790011A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17284001.0119	9234912 RI AF	03F01	10/12/17 17:32	172790011A	10.00
9065	07PCBS17284001.0120	9234912 AF DF5	03F01	10/12/17 17:44	172790011A	50.00
9065	07PCBS17284001.0121	9234913 AF DF5	03F02	10/12/17 17:55	172790011A	50.00
9065	07PCBS17284001.0122	9234914 AF DF5	03F03	10/12/17 18:07	172790011A	50.00
9065	07PCBS17284001.0123	AR1641724B	AR164KZ	10/12/17 18:18	1728399999	1.00
9065	07PCBS17284001.0124	IBLKX1724B	PIBLKRY	10/12/17 18:30	1728399999	10.00
9065	07PCBS17284001.0125	9234915 AF DF5	03F04	10/12/17 18:41	172790011A	50.00
9065	07PCBS17284001.0126	9234916 AF DF10	03F05	10/12/17 18:52	172790011A	100.00
9065	07PCBS17284001.0127	9234917 AF DF20	03F06	10/12/17 19:04	172790011A	200.00
9065	07PCBS17284001.0128	9234918 AF DF5	03F07	10/12/17 19:15	172790011A	50.00
9065	07PCBS17284001.0129	9234919 AF DF5	03F08	10/12/17 19:27	172790011A	50.00
9065	07PCBS17284001.0130	AR1641724B	AR164LA	10/12/17 19:38	1728399999	1.00
9065	07PCBS17284001.0131	IBLKX1724B	PIBLKRZ	10/12/17 19:50	1728399999	10.00

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Pesticide Residue Analysis
Runlog for 25PCBS17289001
Instrument CP25--18274A

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9065	25PCBS17289001.001	CONDITIONER		10/16/17 18:43	1728899999	1.00
9065	25PCBS17289001.002	CONDITIONER		10/16/17 18:54	1728899999	1.00
9065	25PCBS17289001.003	CONDITIONER		10/16/17 19:05	1728899999	1.00
9065	25PCBS17289001.004	CONDITIONER		10/16/17 19:17	1728899999	1.00
9065	25PCBS17289001.005	IBLKX1724B	PIBLKAA	10/16/17 19:28	1728899999	10.00
9065	25PCBS17289001.006	EVALX1724A	EVALXAA	10/16/17 19:39	1728899999	1.00
9065	25PCBS17289001.007	AR1611724B	AR161AA	10/16/17 19:51	1728899999	1.00
9065	25PCBS17289001.008	AR1621724B	AR162AA	10/16/17 20:02	1728899999	1.00
9065	25PCBS17289001.009	AR1631724B	AR163AA	10/16/17 20:13	1728899999	1.00
9065	25PCBS17289001.010	AR1641724B	AR164AA	10/16/17 20:25	1728899999	1.00
9065	25PCBS17289001.011	AR1651724B	AR165AA	10/16/17 20:36	1728899999	1.00
9065	25PCBS17289001.012	AR1661724A	AR166AA	10/16/17 20:47	1728899999	1.00
9065	25PCBS17289001.013	AR4811724C	AR481AA	10/16/17 20:59	1728899999	1.00
9065	25PCBS17289001.014	AR4821724C	AR482AA	10/16/17 21:10	1728899999	1.00
9065	25PCBS17289001.015	AR4831724C	AR483AA	10/16/17 21:21	1728899999	1.00
9065	25PCBS17289001.016	AR4841724C	AR484AA	10/16/17 21:33	1728899999	1.00
9065	25PCBS17289001.017	AR4851724C	AR485AA	10/16/17 21:44	1728899999	1.00
9065	25PCBS17289001.018	AR4861724B	AR486AA	10/16/17 21:55	1728899999	1.00
9065	25PCBS17289001.019	AR5411724C	AR541AA	10/16/17 22:06	1728899999	1.00
9065	25PCBS17289001.020	AR5421724C	AR542AA	10/16/17 22:18	1728899999	1.00
9065	25PCBS17289001.021	AR5431724C	AR543AA	10/16/17 22:29	1728899999	1.00
9065	25PCBS17289001.022	AR5441724C	AR544AA	10/16/17 22:40	1728899999	1.00
9065	25PCBS17289001.023	AR5451724C	AR545AA	10/16/17 22:52	1728899999	1.00
9065	25PCBS17289001.024	AR5461724B	AR546AA	10/16/17 23:03	1728899999	1.00
9065	25PCBS17289001.025	AR6231724A	AR623AA	10/16/17 23:14	1728899999	1.00
9065	25PCBS17289001.026	AR6831724B	AR683AA	10/16/17 23:25	1728899999	1.00
9065	25PCBS17289001.027	AR2141724A	AR214AA	10/16/17 23:37	1728899999	1.00
9065	25PCBS17289001.028	AR3241724A	AR324AA	10/16/17 23:48	1728899999	1.00
9065	25PCBS17289001.029	AR4241724A	AR424AA	10/16/17 23:59	1728899999	1.00
9065	25PCBS17289001.030	AR16XX1724B	AR16XAA	10/17/17 0:11	1728899999	1.00
9065	25PCBS17289001.031	MD16X1724B	MD16XAA	10/17/17 0:22	1728899999	1.00
9065	25PCBS17289001.032	IC16X1724C	IC16XAA	10/17/17 0:33	1728899999	1.00
9065	25PCBS17289001.033	IC48X1724B	IC48XAA	10/17/17 0:45	1728899999	1.00
9065	25PCBS17289001.034	IC54X1724B	IC54XAA	10/17/17 0:56	1728899999	1.00
9065	25PCBS17289001.035	9262085 RI ACF	PN210	10/17/17 1:07	172860002A	10.00
9065	25PCBS17289001.036	BLANKA 10/11/17 RI	PBLK27283	10/17/17 1:18	172830027A	10.00
9065	25PCBS17289001.037	LCSA 10/11/17 RI AC	LCS27283	10/17/17 1:30	172830027A	10.00
9065	25PCBS17289001.039	IBLKX1724B	PIBLKUZ	10/17/17 1:52	1728899999	10.00
9065	25PCBS17289001.040	9254439 RI ACF	67T02	10/17/17 2:04	172830027A	10.00
9065	25PCBS17289001.041	9254439 RI ACF DF5	67T02	10/17/17 2:15	172830027A	50.00
9065	25PCBS17289001.042	9254444 RI ACF	67T07	10/17/17 2:26	172830027A	10.00
9065	25PCBS17289001.043	9254449 RI ACF	67T12	10/17/17 2:38	172830027A	10.00
9065	25PCBS17289001.044	9254454 RI ACF	67T17	10/17/17 2:49	172830027A	10.00
9065	25PCBS17289001.045	9254459 RI ACF	67T22	10/17/17 3:00	172830027A	10.00
9065	25PCBS17289001.046	9254464 RI ACF	67T27	10/17/17 3:11	172830027A	10.00
9065	25PCBS17289001.047	9254559 RI ACF	1629A	10/17/17 3:22	172830027A	10.00
9065	25PCBS17289001.048	9254560 RI ACF	1629B	10/17/17 3:34	172830027A	10.00
9065	25PCBS17289001.049	9254561 RI ACF	1629C	10/17/17 3:45	172830027A	10.00
9065	25PCBS17289001.050	9254562 RI ACF	1629D	10/17/17 3:56	172830027A	10.00
9065	25PCBS17289001.051	9254563 RI ACF	1629E	10/17/17 4:08	172830027A	10.00
9065	25PCBS17289001.052	9254563MS RI ACF	1629EMS	10/17/17 4:19	172830027A	10.00
9065	25PCBS17289001.053	9254563MSD RI ACF	1629EMSD	10/17/17 4:30	172830027A	10.00
9065	25PCBS17289001.054	9254564 RI ACF	1629F	10/17/17 4:42	172830027A	10.00
9065	25PCBS17289001.055	AR1641724B	AR164NA	10/17/17 4:53	1728899999	1.00
9065	25PCBS17289001.056	IBLKX1724B	PIBLKVA	10/17/17 5:04	1728899999	10.00

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Pesticide Residue Analysis
Runlog for 25PCBS17284003
Instrument CP25--18274A

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Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17284003.001	CONDITIONER		10/15/17 18:16	1728799999	1.00
9065	25PCBS17284003.002	CONDITIONER		10/15/17 18:27	1728799999	1.00
9065	25PCBS17284003.003	CONDITIONER		10/15/17 18:38	1728799999	1.00
9065	25PCBS17284003.004	CONDITIONER		10/15/17 18:49	1728799999	1.00
9065	25PCBS17284003.005	AR1641724B	AR164ML	10/15/17 19:00	1728799999	1.00
9065	25PCBS17284003.006	IBLKX1724B	PIBLKUJ	10/15/17 19:12	1728799999	10.00
9065	25PCBS17284003.007	BLANKA 10/13/17 A(	PBLK21285	10/15/17 19:23	172850021A	10.00
9065	25PCBS17284003.008	LCSA 10/13/17 ACF	LCS21285	10/15/17 19:35	172850021A	10.00
9065	25PCBS17284003.009	AR1641724B	AR164MM	10/15/17 19:46	1728799999	1.00
9065	25PCBS17284003.010	IBLKX1724B	PIBLKUK	10/15/17 19:57	1728799999	10.00
9065	25PCBS17284003.011	9252480 ACF	ROAD1	10/15/17 20:09	172850021A	10.00
9065	25PCBS17284003.012	9252482 ACF	DEC-3	10/15/17 20:20	172850021A	10.00
9065	25PCBS17284003.013	9254559 ACF	1629A	10/15/17 20:32	172850021A	10.00
9065	25PCBS17284003.014	9254560 ACF	1629B	10/15/17 20:43	172850021A	10.00
9065	25PCBS17284003.015	9254561 ACF	1629C	10/15/17 20:54	172850021A	10.00
9065	25PCBS17284003.016	9254562 ACF	1629D	10/15/17 21:06	172850021A	10.00
9065	25PCBS17284003.017	9254563 ACF	1629E	10/15/17 21:17	172850021A	10.00
9065	25PCBS17284003.018	9254564 ACF	1629F	10/15/17 21:28	172850021A	10.00
9065	25PCBS17284003.019	9255423 ACF	C3001	10/15/17 21:39	172850021A	10.00
9065	25PCBS17284003.020	9255423MS ACF	C3001MS	10/15/17 21:51	172850021A	10.00
9065	25PCBS17284003.021	9255423MSD ACF	C3001MSD	10/15/17 22:02	172850021A	10.00
9065	25PCBS17284003.022	9255424 ACF DF10	C3002	10/15/17 22:13	172850021A	100.00
9065	25PCBS17284003.023	9255425 ACF	C3003	10/15/17 22:25	172850021A	10.00
9065	25PCBS17284003.024	9255425 ACF DF5	C3003	10/15/17 22:36	172850021A	50.00
9065	25PCBS17284003.025	9255426 ACF DF20	C3004	10/15/17 22:48	172850021A	200.00
9065	25PCBS17284003.026	BLANKA 10/12/17 A(	PBLK23284	10/15/17 22:59	172840023A	10.00
9065	25PCBS17284003.027	LCSA 10/12/17 ACF	LCS23284	10/15/17 23:10	172840023A	10.00
9065	25PCBS17284003.028	AR1641724B	AR164MN	10/15/17 23:22	1728799999	1.00
9065	25PCBS17284003.029	IBLKX1724B	PIBLKUL	10/15/17 23:33	1728799999	10.00
9065	25PCBS17284003.030	9251541 ACF	EQU11	10/15/17 23:44	172840023A	10.00
9065	25PCBS17284003.031	9251542 ACF	EQU12	10/15/17 23:56	172840023A	10.00
9065	25PCBS17284003.032	9251543 ACF	EQU13	10/16/17 0:07	172840023A	10.00
9065	25PCBS17284003.033	9251544 ACF	EQU14	10/16/17 0:18	172840023A	10.00
9065	25PCBS17284003.034	9251545 ACF	EQU15	10/16/17 0:30	172840023A	10.00
9065	25PCBS17284003.035	9251546 ACF	EQU16	10/16/17 0:41	172840023A	10.00
9065	25PCBS17284003.036	9251547 ACF	EQU17	10/16/17 0:52	172840023A	10.00
9065	25PCBS17284003.037	9251547 ACF DF5	EQU17	10/16/17 1:04	172840023A	50.00
9065	25PCBS17284003.038	9251548 ACF	EQU18	10/16/17 1:15	172840023A	10.00
9065	25PCBS17284003.039	9251549 ACF	EQU19	10/16/17 1:26	172840023A	10.00
9065	25PCBS17284003.040	9254061 ACF DF10	UN-7-	10/16/17 1:38	172840023A	100.00
9065	25PCBS17284003.041	9254062 ACF	UN-9-	10/16/17 1:49	172840023A	10.00
9065	25PCBS17284003.042	9254062 ACF DF5	UN-9-	10/16/17 2:00	172840023A	50.00
9065	25PCBS17284003.043	9254063MS ACF	UN-9-	10/16/17 2:12	172840023A	10.00
9065	25PCBS17284003.044	9254063MS ACF DF	UN-9-	10/16/17 2:23	172840023A	50.00
9065	25PCBS17284003.045	9254064MSD ACF	UN-9-	10/16/17 2:35	172840023A	10.00
9065	25PCBS17284003.046	9254064MSD ACF D	UN-9-	10/16/17 2:46	172840023A	50.00
9065	25PCBS17284003.047	9254066 ACF DF5	UN-9D	10/16/17 2:57	172840023A	50.00
9065	25PCBS17284003.048	9255927 ACF	2316-	10/16/17 3:08	172840023A	10.00
9065	25PCBS17284003.049	9255929 ACF	23611	10/16/17 3:19	172840023A	10.00
9065	25PCBS17284003.050	AR1641724B	AR164MO	10/16/17 3:31	1728799999	1.00
9065	25PCBS17284003.051	IBLKX1724B	PIBLKUM	10/16/17 3:42	1728799999	10.00
9065	25PCBS17284003.052	9255931 ACF	11-23	10/16/17 3:53	172840023A	10.00
9065	25PCBS17284003.053	9255933 ACF	16-23	10/16/17 4:04	172840023A	10.00
9065	25PCBS17284003.054	9255937 ACF	24-16	10/16/17 4:16	172840023A	10.00
9065	25PCBS17284003.055	9255939 ACF	24-6-	10/16/17 4:27	172840023A	10.00
9065	25PCBS17284003.056	9255941 ACF	24-11	10/16/17 4:38	172840023A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17284003.057	9255943 ACF	-2416	10/16/17 4:50	172840023A	10.00
9065	25PCBS17284003.058	AR1641724B	AR164MP	10/16/17 5:01	1728799999	1.00
9065	25PCBS17284003.059	IBLKX1724B	PIBLKUN	10/16/17 5:12	1728799999	10.00
9065	25PCBS17284003.060	AR4241724A	AA	10/16/17 5:24	1728799999	1.00
9065	25PCBS17284003.061	AR4841724C	AA	10/16/17 5:35	1728799999	1.00
9065	25PCBS17284003.062	AR5441724C	AA	10/16/17 5:47	1728799999	1.00
9065	25PCBS17284003.063	BLANKA 10/14/17 A(	PBLK02286	10/16/17 5:58	172860002A	10.00
9065	25PCBS17284003.064	LCSA 10/14/17 ACF	LCS02286	10/16/17 6:09	172860002A	10.00
9065	25PCBS17284003.065	LCSD 10/14/17 ACF	LCSD46	10/16/17 6:21	172860002A	10.00
9065	25PCBS17284003.066	AR1641724B	AR164MQ	10/16/17 6:32	1728799999	1.00
9065	25PCBS17284003.067	IBLKX1724B	PIBLKUO	10/16/17 6:44	1728799999	10.00
9065	25PCBS17284003.068	9261989 RI ACF	10531	10/16/17 6:55	172860002A	10.00
9065	25PCBS17284003.069	9261989 ACF DF5	10531	10/16/17 7:06	172860002A	50.00
9065	25PCBS17284003.070	9262076 RI ACF	PN201	10/16/17 7:18	172860002A	10.00
9065	25PCBS17284003.071	9262081 RI ACF	PN206	10/16/17 7:29	172860002A	10.00
9065	25PCBS17284003.072	9262082 RI ACF	PN207	10/16/17 7:40	172860002A	10.00
9065	25PCBS17284003.073	9262083 RI ACF	PN208	10/16/17 7:52	172860002A	10.00
9065	25PCBS17284003.074	9262084 RI ACF	PN209	10/16/17 8:03	172860002A	10.00
9065	25PCBS17284003.075	9262085 RI ACF	PN210	10/16/17 8:14	172860002A	10.00
9065	25PCBS17284003.076	9262086 RI ACF	PN211	10/16/17 8:26	172860002A	10.00
9065	25PCBS17284003.077	9262087 RI ACF	PN212	10/16/17 8:37	172860002A	10.00
9065	25PCBS17284003.078	9262088 RI ACF	PN213	10/16/17 8:48	172860002A	10.00
9065	25PCBS17284003.079	9262089 RI ACF	PN214	10/16/17 9:00	172860002A	10.00
9065	25PCBS17284003.080	9262090 RI ACF	PN215	10/16/17 9:11	172860002A	10.00
9065	25PCBS17284003.081	9262095 RI ACF	PN220	10/16/17 9:23	172860002A	10.00
9065	25PCBS17284003.082	9262287 RI ACF	CC-01	10/16/17 9:34	172860002A	10.00
9065	25PCBS17284003.083	9262327 RI ACF	KNL01	10/16/17 9:45	172860002A	10.00
9065	25PCBS17284003.084	CONDITIONER		10/16/17 9:57	1728799999	1.00
9065	25PCBS17284003.085	9262327 ACF DF5	KNL01	10/16/17 10:08	172860002A	50.00
9065	25PCBS17284003.086	CONDITIONER		10/16/17 10:20	1728799999	1.00
9065	25PCBS17284003.087	AR1641724B	AR164MR	10/16/17 10:31	1728799999	1.00
9065	25PCBS17284003.088	IBLKX1724B	PIBLKUP	10/16/17 10:42	1728799999	10.00
9065	25PCBS17284003.089	9262327 ACF DF10	KNL01	10/16/17 10:53	172860002A	100.00
9065	25PCBS17284003.090	CONDITIONER		10/16/17 11:05	1728799999	1.00
9065	25PCBS17284003.091	9262328 RI ACF	KNL02	10/16/17 11:16	172860002A	10.00
9065	25PCBS17284003.092	9262331 RI ACF	KNL05	10/16/17 11:27	172860002A	10.00
9065	25PCBS17284003.093	9262331 ACF DF5	KNL05	10/16/17 11:38	172860002A	50.00
9065	25PCBS17284003.094	9262332 ACF DF5	KNL06	10/16/17 11:49	172860002A	50.00
9065	25PCBS17284003.095	9262333 RI ACF	KNL07	10/16/17 12:01	172860002A	10.00
9065	25PCBS17284003.096	CONDITIONER		10/16/17 12:12	1728799999	1.00
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9065	25PCBS17284003.098	CONDITIONER		10/16/17 12:35	1728799999	1.00
9065	25PCBS17284003.099	9262334 RI ACF	KNL08	10/16/17 12:46	172860002A	10.00
9065	25PCBS17284003.100	AR1641724B	AR164MS	10/16/17 12:57	1728799999	1.00
9065	25PCBS17284003.101	IBLKX1724B	PIBLKUQ	10/16/17 13:09	1728799999	10.00
9065	25PCBS17284003.102	9229427 RI ACF DF297A15		10/16/17 13:20	172790013A	2,000.00
9065	25PCBS17284003.103	9229428 RI ACF DF597A16		10/16/17 13:32	172790013A	500.00
9065	25PCBS17284003.104	9229429 RI ACF DF597A17		10/16/17 13:43	172790013A	500.00
9065	25PCBS17284003.105	9229430 RI ACF DF197A18		10/16/17 13:54	172790013A	1,000.00
9065	25PCBS17284003.106	9229450 RI ACF DF598A01		10/16/17 14:06	172790013A	500.00
9065	25PCBS17284003.107	9229451 RI ACF DF598A02		10/16/17 14:17	172790013A	500.00
9065	25PCBS17284003.108	9229452 RI ACF DF298A03		10/16/17 14:28	172790013A	2,000.00
9065	25PCBS17284003.109	9229453 RI ACF DF198A04		10/16/17 14:40	172790013A	1,000.00
9065	25PCBS17284003.110	9229454 RI ACF DF598A05		10/16/17 14:51	172790013A	500.00
9065	25PCBS17284003.111	9229455 RI ACF DF598A06		10/16/17 15:03	172790013A	500.00
9065	25PCBS17284003.112	9229456 RI ACF DF198A07		10/16/17 15:14	172790013A	1,000.00
9065	25PCBS17284003.113	9229457 RI ACF DF598A08		10/16/17 15:25	172790013A	500.00
9065	25PCBS17284003.114	9229458 RI ACF DF598A09		10/16/17 15:37	172790013A	500.00
9065	25PCBS17284003.115	9229459 RI ACF DF598A10		10/16/17 15:49	172790013A	500.00
9065	25PCBS17284003.116	9229460 RI ACF DF598A11		10/16/17 16:00	172790013A	50.00
9065	25PCBS17284003.117	9229461 RI ACF DF598A12		10/16/17 16:11	172790013A	500.00
9065	25PCBS17284003.118	9229462 RI ACF DF298A13		10/16/17 16:22	172790013A	200.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17284003.119	AR1641724B	AR164MT	10/16/17 16:34	1728799999	1.00
9065	25PCBS17284003.120	IBLKX1724B	PIBLKUR	10/16/17 16:45	1728799999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17289010
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	25PCBS17289010.001	CONDITIONER		10/29/17 15:48	1730199999	1.00
9065	25PCBS17289010.002	CONDITIONER		10/29/17 15:59	1730199999	1.00
9065	25PCBS17289010.003	CONDITIONER		10/29/17 16:10	1730199999	1.00
9065	25PCBS17289010.004	CONDITIONER		10/29/17 16:22	1730199999	1.00
9065	25PCBS17289010.005	AR1641724B	AR164SB	10/29/17 16:33	1730199999	1.00
9065	25PCBS17289010.006	IBLKX1724B	PIBLKCI	10/29/17 16:44	1730199999	10.00
9065	25PCBS17289010.007	BLANKA 10/28/17 A	CPBLK01301	10/29/17 16:56	173010001A	10.00
9065	25PCBS17289010.008	LCSA 10/28/17 ACF	LCS01301	10/29/17 17:07	173010001A	10.00
9065	25PCBS17289010.009	AR1641724B	AR164SC	10/29/17 17:18	1730199999	1.00
9065	25PCBS17289010.010	IBLKX1724B	PIBLKCJ	10/29/17 17:30	1730199999	10.00
9065	25PCBS17289010.011	9285127 ACF	AR504	10/29/17 17:41	173010001A	10.00
9065	25PCBS17289010.012	9285127 ACF DF5	AR504	10/29/17 17:52	173010001A	50.00
9065	25PCBS17289010.013	9285130 ACF	AR730	10/29/17 18:03	173010001A	10.00
9065	25PCBS17289010.014	9285130 ACF DF5	AR730	10/29/17 18:15	173010001A	50.00
9065	25PCBS17289010.015	9285130 ACF DF10	AR730	10/29/17 18:26	173010001A	100.00
9065	25PCBS17289010.016	9285133 ACF	AR205	10/29/17 18:37	173010001A	10.00
9065	25PCBS17289010.017	9286737 ACF DF50	FD127	10/29/17 18:48	173010001A	500.00
9065	25PCBS17289010.018	9286737 ACF DF10	CFD127	10/29/17 19:00	173010001A	1,000.00
9065	25PCBS17289010.019	9286738 ACF	5SW7A	10/29/17 19:11	173010001A	10.00
9065	25PCBS17289010.020	9286739 ACF DF20	6B025	10/29/17 19:23	173010001A	200.00
9065	25PCBS17289010.021	9286739 ACF DF50	6B025	10/29/17 19:34	173010001A	500.00
9065	25PCBS17289010.022	9286740 ACF DF50	6B024	10/29/17 19:45	173010001A	500.00
9065	25PCBS17289010.023	9286740 ACF DF10	C6B024	10/29/17 19:56	173010001A	1,000.00
9065	25PCBS17289010.024	9286740MS ACF DF	6B024MS	10/29/17 20:08	173010001A	500.00
9065	25PCBS17289010.025	9286740MS ACF DF	6B024MS	10/29/17 20:19	173010001A	1,000.00
9065	25PCBS17289010.026	9286740MSD ACF D	6B024MSD	10/29/17 20:31	173010001A	500.00
9065	25PCBS17289010.027	9286740MSD ACF D	6B024MSD	10/29/17 20:42	173010001A	1,000.00
9065	25PCBS17289010.028	AR1641724B	AR164SD	10/29/17 20:53	1730199999	1.00
9065	25PCBS17289010.029	IBLKX1724B	PIBLKCK	10/29/17 21:04	1730199999	10.00
9065	25PCBS17289010.030	BLANKA 10/26/17 A	CPBLK10299	10/29/17 21:16	172990010A	10.00
9065	25PCBS17289010.031	LCSA 10/26/17 ACF	LCS10299	10/29/17 21:27	172990010A	10.00
9065	25PCBS17289010.032	AR1641724B	AR164SE	10/29/17 21:38	1730199999	1.00
9065	25PCBS17289010.033	IBLKX1724B	PIBLKCL	10/29/17 21:49	1730199999	10.00
9065	25PCBS17289010.034	9282463 ACF	SSB11	10/29/17 22:01	172990010A	10.00
9065	25PCBS17289010.035	9282463MS ACF	SSB11MS	10/29/17 22:12	172990010A	10.00
9065	25PCBS17289010.036	9282463MSD ACF	SSB11MSD	10/29/17 22:23	172990010A	10.00
9065	25PCBS17289010.037	9282464 ACF DF5	SSB12	10/29/17 22:35	172990010A	50.00
9065	25PCBS17289010.038	9282639 ACF	06611	10/29/17 22:46	172990010A	10.00
9065	25PCBS17289010.039	9282754 ACF	1122A	10/29/17 22:57	172990010A	10.00
9065	25PCBS17289010.040	BLANKA 10/27/17 A	CPBLK46299	10/29/17 23:08	172990046A	10.00
9065	25PCBS17289010.041	LCSA 10/27/17 ACF	LCS46299	10/29/17 23:20	172990046A	10.00
9065	25PCBS17289010.042	AR1641724B	AR164SF	10/29/17 23:31	1730199999	1.00
9065	25PCBS17289010.043	IBLKX1724B	PIBLKCM	10/29/17 23:42	1730199999	10.00
9065	25PCBS17289010.044	9279788 ACF	01115	10/29/17 23:53	172990046A	10.00
9065	25PCBS17289010.045	9279794 ACF	07115	10/30/17 0:04	172990046A	10.00
9065	25PCBS17289010.046	9279794 ACF DF5	07115	10/30/17 0:16	172990046A	50.00
9065	25PCBS17289010.047	9279794 ACF DF10	07115	10/30/17 0:27	172990046A	100.00
9065	25PCBS17289010.048	9279794MS ACF	07115MS	10/30/17 0:39	172990046A	10.00
9065	25PCBS17289010.049	9279794MS ACF DF	07115MS	10/30/17 0:50	172990046A	50.00
9065	25PCBS17289010.050	9279794MS ACF DF	07115MS	10/30/17 1:01	172990046A	100.00
9065	25PCBS17289010.051	9279794MSD ACF	07115MSD	10/30/17 1:13	172990046A	10.00
9065	25PCBS17289010.052	9279794MSD ACF D	07115MSD	10/30/17 1:24	172990046A	50.00
9065	25PCBS17289010.053	9279794MSD ACF D	07115MSD	10/30/17 1:35	172990046A	100.00
9065	25PCBS17289010.054	9283386 ACF	1HP--	10/30/17 1:46	172990046A	10.00
9065	25PCBS17289010.055	9283388 ACF	2HP--	10/30/17 1:58	172990046A	10.00
9065	25PCBS17289010.056	9283390 ACF	3HP--	10/30/17 2:10	172990046A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17289010.057	9283392 ACF	4HP--	10/30/17 2:21	172990046A	10.00
9065	25PCBS17289010.058	9283394 ACF	5HP--	10/30/17 2:32	172990046A	10.00
9065	25PCBS17289010.059	9283396 ACF	6HP--	10/30/17 2:43	172990046A	10.00
9065	25PCBS17289010.060	AR1641724B	AR164SG	10/30/17 2:55	1730199999	1.00
9065	25PCBS17289010.061	IBLKX1724B	PIBLKCN	10/30/17 3:06	1730199999	10.00
9065	25PCBS17289010.062	9281265 ACF	GRIDE	10/30/17 3:17	172980015A	10.00
9065	25PCBS17289010.063	9281265 ACF DF5	GRIDE	10/30/17 3:29	172980015A	50.00
9065	25PCBS17289010.064	9281265 ACF DF10	GRIDE	10/30/17 3:40	172980015A	100.00
9065	25PCBS17289010.065	9255488 RI ACF	C3114	10/30/17 3:51	172910027A	10.00
9065	25PCBS17289010.066	9264179 RI ACF	00613	10/30/17 4:03	172910027A	10.00
9065	25PCBS17289010.067	9261796 RI ACF	UTS41	10/30/17 4:14	172900018A	10.00
9065	25PCBS17289010.068	9261796 ACF DF5	UTS41	10/30/17 4:26	172900018A	50.00
9065	25PCBS17289010.069	9262123 RI ACF	185EP	10/30/17 4:37	172900018A	10.00
9065	25PCBS17289010.070	9262123 ACF DF5	185EP	10/30/17 4:48	172900018A	50.00
9065	25PCBS17289010.071	BLANKA 10/26/17 A	(PBLK22299	10/30/17 4:59	172990022A	10.00
9065	25PCBS17289010.072	AR1641724B	AR164SH	10/30/17 5:11	1730199999	1.00
9065	25PCBS17289010.073	IBLKX1724B	PIBLKCO	10/30/17 5:22	1730199999	10.00
9065	25PCBS17289010.074	LCSA 10/26/17 ACF	LCS22299	10/30/17 5:34	172990022A	10.00
9065	25PCBS17289010.075	9229453R ACF DF1	(98A04	10/30/17 5:45	172990022A	1,000.00
9065	25PCBS17289010.076	9229495R ACF DF5	(01A03	10/30/17 5:56	172990022A	5,000.00
9065	25PCBS17289010.077	9229496R ACF DF5	(01A04	10/30/17 6:07	172990022A	500.00
9065	25PCBS17289010.078	9229497R ACF DF2	(01A05	10/30/17 6:19	172990022A	2,000.00
9065	25PCBS17289010.079	9229498R ACF DF5	(01A06	10/30/17 6:30	172990022A	5,000.00
9065	25PCBS17289010.080	9229498R ACF DF1	(01A06	10/30/17 6:41	172990022A	########
9065	25PCBS17289010.081	9229499R ACF DF5	(01A07	10/30/17 6:53	172990022A	5,000.00
9065	25PCBS17289010.082	9229500R ACF DF5	(01A08	10/30/17 7:04	172990022A	500.00
9065	25PCBS17289010.083	9229501R ACF DF2	(01A09	10/30/17 7:15	172990022A	2,000.00
9065	25PCBS17289010.084	9229502R ACF DF5	(01A10	10/30/17 7:26	172990022A	5,000.00
9065	25PCBS17289010.085	9229503R ACF DF1	(01A11	10/30/17 7:38	172990022A	1,000.00
9065	25PCBS17289010.086	9229504R ACF DF5	(01A12	10/30/17 7:49	172990022A	500.00
9065	25PCBS17289010.087	9229509R ACF DF2	(01A17	10/30/17 8:00	172990022A	200.00
9065	25PCBS17289010.088	9229510RMS ACF	D01A17	10/30/17 8:12	172990022A	200.00
9065	25PCBS17289010.089	9229511RMSD ACF	01A17	10/30/17 8:23	172990022A	200.00
9065	25PCBS17289010.090	9229512R ACF DF2	(01A18	10/30/17 8:34	172990022A	200.00
9065	25PCBS17289010.091	AR1641724B	AR164SI	10/30/17 8:46	1730199999	1.00
9065	25PCBS17289010.092	IBLKX1724B	PIBLKCP	10/30/17 8:57	1730199999	10.00
9065	25PCBS17289010.093	BLANKA 10/20/17 A	(PBLK43292	10/30/17 9:08	172920043A	10.00
9065	25PCBS17289010.094	LCSA 10/20/17 ACF	LCS43292	10/30/17 9:20	172920043A	10.00
9065	25PCBS17289010.095	AR1641724B	AR164SJ	10/30/17 9:31	1730199999	1.00
9065	25PCBS17289010.096	IBLKX1724B	PIBLKCQ	10/30/17 9:42	1730199999	10.00
9065	25PCBS17289010.097	9265993 RI ACF	E0503	10/30/17 9:54	172920043A	10.00
9065	25PCBS17289010.098	9265993 ACF DF5	E0503	10/30/17 10:05	172920043A	50.00
9065	25PCBS17289010.099	9265997 RI ACF	E0507	10/30/17 10:16	172920043A	10.00
9065	25PCBS17289010.100	9265997 ACF DF5	E0507	10/30/17 10:28	172920043A	50.00
9065	25PCBS17289010.101	9266003 RI ACF	E0513	10/30/17 10:39	172920043A	10.00
9065	25PCBS17289010.102	9266007 RI ACF	E0517	10/30/17 10:50	172920043A	10.00
9065	25PCBS17289010.103	9266007 ACF DF5	E0517	10/30/17 11:02	172920043A	50.00
9065	25PCBS17289010.104	9266009 RI ACF	E0519	10/30/17 11:13	172920043A	10.00
9065	25PCBS17289010.105	9266009 ACF DF5	E0519	10/30/17 11:24	172920043A	50.00
9065	25PCBS17289010.106	9266009MS ACF	E0519MS	10/30/17 11:36	172920043A	10.00
9065	25PCBS17289010.107	AR1641724B	AR164SK	10/30/17 11:47	1730199999	1.00
9065	25PCBS17289010.108	IBLKX1724B	PIBLKCR	10/30/17 11:58	1730199999	10.00
9065	25PCBS17289010.109	9266009MS ACF DF	E0519MS	10/30/17 12:10	172920043A	50.00
9065	25PCBS17289010.110	9266009MSD ACF	E0519MSD	10/30/17 12:21	172920043A	10.00
9065	25PCBS17289010.111	9266009MSD ACF D	E0519MSD	10/30/17 12:32	172920043A	50.00
9065	25PCBS17289010.112	9266013 RI ACF	E0523	10/30/17 12:43	172920043A	10.00
9065	25PCBS17289010.113	9266025 RI ACF	E0529	10/30/17 12:55	172920043A	10.00
9065	25PCBS17289010.114	9266027 RI ACF	E0531	10/30/17 13:06	172920043A	10.00
9065	25PCBS17289010.115	9266029 ACF DF10	E0533	10/30/17 13:18	172920043A	100.00
9065	25PCBS17289010.116	9266055 ACF DF5	E0617	10/30/17 13:32	172920043A	50.00
9065	25PCBS17289010.117	9266059 ACF DF5	E0621	10/30/17 13:44	172920043A	50.00
9065	25PCBS17289010.118	9266059 ACF DF10	E0621	10/30/17 13:55	172920043A	100.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17289010.119	AR1641724B	AR164SL	10/30/17 14:06	1730199999	1.00
9065	25PCBS17289010.120	IBLKX1724B	PIBLKCS	10/30/17 14:18	1730199999	10.00
9065	25PCBS17289010.121	9266063 ACF DF5	E0625	10/30/17 14:29	172920043A	50.00
9065	25PCBS17289010.122	9266065 RI ACF	E0627	10/30/17 14:40	172920043A	10.00
9065	25PCBS17289010.123	9266071 RI ACF	E0633	10/30/17 14:52	172920043A	10.00
9065	25PCBS17289010.124	9266073 RI ACF	E0635	10/30/17 15:03	172920043A	10.00
9065	25PCBS17289010.125	9266073 ACF DF5	E0635	10/30/17 15:14	172920043A	50.00
9065	25PCBS17289010.126	AR1641724B	AR164SM	10/30/17 15:26	1730199999	1.00
9065	25PCBS17289010.127	IBLKX1724B	PIBLKCT	10/30/17 15:37	1730199999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATG98

Fraction: Polychlorinated Biphenyls (PCBs)

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

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Data Summary

Sample Name: 9229450 RI ACF DF50 98A01 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:06:13
Instrument	18274A
Result file	25PCBS17284003.106.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 85% (61 - 152) Conc: 25.88311
%SSR(DCB) 110% (48 - 164) Conc: 29.75964

Analysis Report (B)

Injected on	Oct 16, 2017 14:06:13
Instrument	18274B
Result file	25PCBS17284003B.106.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 86% (61 - 152) Conc: 26.16637
%SSR(DCB) 105% (48 - 164) Conc: 28.23545

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	78491	25.88311	Tetrachloro-m-xylene	2.58	2.61	2.64	143287	26.16637
Decachlorobiphenyl	6.57	6.60	6.63	57658	29.75964	Decachlorobiphenyl	6.07	6.10	6.13	171813	28.23545

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	26.16637				1.09	
☑	Tetrachloro-m-xylene-D1	A	25.88311					
☑	Tetrachloro-m-xylene-D2	B	26.16637					
☐	Decachlorobiphenyl	A	29.75964				5.26	
☑	Decachlorobiphenyl-D1	A	29.75964					
☑	Decachlorobiphenyl-D2	B	28.23545					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**26.62**	
4.73	4.75	4.77	1808945	19264.193			1
4.93	4.95	4.97	2848184	26237.095886			2
5.13	5.15	5.17	4575574	34761.676689			3
5.36	5.38	5.40	1179792	16856.603226			4
5.60	5.62	5.64	3876688	22194.054845			5
5.80	5.82	5.84	2503752	22710.34777			6

Height summation: **16792935**
Concentration CF: **23670.661903** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.26**	
4.31	4.33	4.35	4996360	22735.714969			1
4.44	4.46	4.48	6808408	28882.050217			2
4.55	4.56	4.59	4199260	21455.738459			3
4.89	4.91	4.93	2690334	17703.191572			4
5.09	5.10	5.13	8855067	25730.004456			5
5.34	5.36	5.38	6088364	23956.398703			6

Height summation: **33637793**
Concentration CF: **23410.516396** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2537.3136	<492.5373	D1		4	
☑	PCB-1221			<2537.3136	<761.1941	D1		3	
☑	PCB-1232			<2537.3136	<611.9403	D1		4	
☑	PCB-1242			<2537.3136	<611.9403	D1		4	
☑	PCB-1248			<2537.3136	<492.5373	D1		4	
☑	PCB-1254			<2537.3136	<656.7164	D1		4	
☑	PCB-1260	A	23670.661903	2537.3136	582.0896	D1	1.11	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:54:58

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229450** RI ACF DF50 98A01 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274A
Result file : 25PCBS17284003.106.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 85% (61-152) Conc.: 25.88311
%SSR(DCB) : 110% (48-164) Conc.: 29.75964

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**109.15**	
3.16	3.18	3.20	1899.641	35.80819			1
+ 3.38	3.40	3.42	1135.131	23.133092			2
3.38	3.41	3.42	1537.736	31.33787			2
3.49	3.51	3.53	6746.869	107.332421			3
3.71	3.73	3.75	9050.519	126.133577			4
3.76	3.78	3.80	4451.193	71.750983			5
3.96	3.97	4.00	17168.21	411.208777			6
Height Summation:			**40854.168**				
Amount Avg CF:			**130.595303**	Linear:			
Aroclor-1221					**3**	**67.37**	
+ 3.06	3.08	3.10	340.1396	15.0217			1
3.06	3.09	3.10	434.8847	19.20596			1
3.11	3.13	3.15	1411.627	70.813712			2
3.16	3.18	3.20	1899.641	30.664429			3
Height Summation:			**3746.1527**				
Amount Avg CF:			**40.228033**	Linear:			
Aroclor-1232					**6**	**119.20**	
3.16	3.18	3.20	1899.641	35.019037			1
+ 3.38	3.40	3.42	1135.131	56.144477			2
3.38	3.41	3.42	1537.736	76.057639			2
3.49	3.51	3.53	6746.869	247.115127			3
3.70	3.73	3.74	9050.519	272.665494			4
3.76	3.78	3.80	4451.193	181.674242			5
3.95	3.97	3.99	17168.21	1029.294286			6
Height Summation:			**40854.168**				
Amount Avg CF:			**306.970971**	Linear:			
Aroclor-1242					**6**	**112.11**	
3.16	3.18	3.20	1899.641	25.927715			1
+ 3.37	3.40	3.41	1135.131	18.29535			2
3.37	3.41	3.41	1537.736	24.784293			2
3.49	3.51	3.53	6746.869	81.074224			3
3.70	3.73	3.74	9050.519	87.553852			4
3.76	3.78	3.80	4451.193	56.121296			5
3.95	3.97	3.99	17168.21	319.647547			6
Height Summation:			**40854.168**				
Amount Avg CF:			**99.184821**	Linear:			
Aroclor-1248					**6**	**95.82**	
3.71	3.73	3.75	9050.519	231.125738			1
3.76	3.78	3.80	4451.193	131.345911			2
3.83	3.85	3.87	30550.76	596.271591			3
3.98	4.00	4.02	16275.2	1023.793519			4
4.04	4.06	4.08	48057.86	957.644801			5
4.22	4.22	4.26	121903.2	2535.898244			6
+ 4.22	4.24	4.26	31744.49	660.366557			6
Height Summation:			**230288.732**				
Amount Avg CF:			**912.679967**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274B
Result file : 25PCBS17284003B.106.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 86% (61-152) Conc.: 26.16637
%SSR(DCB) : 105% (48-164) Conc.: 28.23545

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**120.47**	
2.88	2.91	2.92	20788.43	216.238564			1
3.21	3.22	3.25	13909.03	119.483758			2
+ 3.21	3.24	3.25	1816.303	15.60272			2
3.40	3.40	3.44	16642.81	145.65326			3
+ 3.40	3.42	3.44	4341.679	37.997171			3
+ 3.40	3.43	3.44	12332.92	107.934298			3
3.47	3.48	3.51	20612.67	164.056608			4
+ 3.53	3.55	3.57	114470.9	1095.135258			5
3.53	3.57	3.57	132518	1267.790627			5
+ 3.64	3.64	3.68	664.6105	6.296304			6
3.64	3.65	3.68	31938.31	302.57319			6
+ 3.64	3.67	3.68	1666.36	15.786554			6
Height Summation:			**236409.25**				
Amount Avg CF:			**369.299335**	Linear:			
Aroclor-1221					**3**	**51.75**	
2.77	2.78	2.81	2604.63	56.353046			1
2.83	2.83	2.87	3694.117	132.252448			2
2.88	2.91	2.92	20788.43	184.229822			3
Height Summation:			**27087.177**				
Amount Avg CF:			**124.278439**	Linear:			
Aroclor-1232					**6**	**144.50**	
2.88	2.91	2.92	20788.43	202.93004			1
3.21	3.22	3.25	13909.03	269.994269			2
+ 3.21	3.24	3.25	1816.303	35.257052			2
3.40	3.40	3.44	16642.81	327.35355			3
+ 3.40	3.42	3.44	4341.679	85.398081			3
+ 3.40	3.43	3.44	12332.92	242.580739			3
3.47	3.48	3.51	20612.67	393.53427			4
+ 3.53	3.55	3.57	114470.9	3208.787334			5
3.53	3.57	3.57	132518	3714.674035			5
+ 3.63	3.64	3.67	664.6105	16.266665			6
3.63	3.65	3.67	31938.31	781.705644			6
+ 3.63	3.67	3.67	1666.36	40.78497			6
Height Summation:			**236409.25**				
Amount Avg CF:			**948.365301**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229450** RI ACF DF50 98A01 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274A
Result file : 25PCBS17284003.106.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	77.67	
+ 4.55	4.56	4.59	90904.1	1489.399535			1
4.55	4.58	4.59	251616.3	4122.555532			1
4.61	4.63	4.65	2065686	17284.015644			2
+ 4.73	4.73	4.77	62340.3	1623.438229			3
E 4.73	4.75	4.77	1808945	47107.73717			3
4.82	4.84	4.86	1071296	13122.781199			4
5.02	5.04	5.06	1162859	19553.641224			5
E 5.13	5.15	5.17	4575574	54856.121168			6
Height Summation:			**10935976.3**				
Amount Avg CF:			**26007.808656**	Linear:			
Aroclor-1260					6	26.62	
+ 4.73	4.73	4.77	62340.3	663.887277			1
4.73	4.75	4.77	1808945	19264.193			1
4.93	4.95	4.97	2848184	26237.095886			2
5.13	5.15	5.17	4575574	34761.676689			3
5.36	5.38	5.40	1179792	16856.603226			4
5.60	5.62	5.64	3876688	22194.054845			5
5.80	5.82	5.84	2503752	22710.34777			6
Height Summation:			**16792935**				
Amount Avg CF:			**23670.661903**	Linear:			
Aroclor-1262					6	36.80	
E 5.20	5.22	5.24	1186248	10823.622955			1
E 5.36	5.38	5.40	1179792	12350.318631			2
E 5.60	5.62	5.64	3876688	17932.245277			3
E 5.80	5.82	5.84	2503752	17577.79669			4
5.86	5.88	5.90	386610.2	5738.889077			5
E 6.23	6.25	6.27	884139.1	10848.573084			6
Height Summation:			**10017229.3**				
Amount Avg CF:			**12545.240952**	Linear:			
Aroclor-1268					6	96.48	
E 5.80	5.82	5.84	2503752	10203.91928			1
5.86	5.88	5.90	386610.2	1748.574628			2
5.99	6.01	6.03	18862.19	91.709607			3
+ 6.06	6.06	6.10	71497.88	1248.441672			4
6.06	6.09	6.10	448557.9	7832.37733			4
6.23	6.25	6.27	884139.1	9905.776602			5
6.43	6.45	6.47	162551.4	237.866742			6
Height Summation:			**4404472.79**				
Amount Avg CF:			**5003.370698**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274B
Result file : 25PCBS17284003B.106.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	133.09	
2.88	2.91	2.92	20788.43	165.144466			1
3.21	3.22	3.25	13909.03	91.782275			2
+ 3.21	3.24	3.25	1816.303	11.985338			2
3.40	3.40	3.44	16642.81	99.648462			3
+ 3.40	3.42	3.44	4341.679	25.995708			3
+ 3.40	3.43	3.44	12332.92	73.84309			3
3.47	3.48	3.51	20612.67	124.83335			4
+ 3.53	3.55	3.57	114470.9	982.245572			5
3.53	3.57	3.57	132518	1137.103131			5
+ 3.63	3.64	3.67	664.6105	4.726915			6
3.63	3.65	3.67	31938.31	227.15514			6
+ 3.63	3.67	3.67	1666.36	11.851668			6
Height Summation:			**236409.25**				
Amount Avg CF:			**307.611137**	Linear:			
Aroclor-1248					6	125.59	
3.40	3.40	3.44	16642.81	287.868625			1
+ 3.40	3.42	3.44	4341.679	75.097484			1
+ 3.40	3.43	3.44	12332.92	213.320991			1
3.47	3.48	3.51	20612.67	296.389706			2
3.51	3.53	3.55	77240.84	677.47997			3
+ 3.64	3.64	3.68	664.6105	4.76012			4
3.64	3.65	3.68	31938.31	228.750793			4
+ 3.64	3.67	3.68	1666.36	11.93492			4
+ 3.73	3.73	3.77	9169.019	94.720823			5
3.73	3.74	3.77	49625.58	512.658529			5
+ 3.73	3.76	3.77	20877.59	215.676564			5
3.86	3.88	3.90	486702.2	2859.109562			6
Height Summation:			**682762.41**				
Amount Avg CF:			**810.376198**	Linear:			
Aroclor-1254					6	71.17	
+ 4.22	4.22	4.26	388746.7	1499.970137			1
4.22	4.24	4.26	4399708	16976.171399			1
4.31	4.33	4.35	4996360	39767.546117			2
4.38	4.40	4.42	1843196	12021.998569			3
E 4.44	4.46	4.48	6808408	69542.371432			4
4.59	4.61	4.63	1327042	11910.269486			5
E 4.67	4.69	4.71	8712599	51517.806271			6
Height Summation:			**28087313**				
Amount Avg CF:			**33622.693879**	Linear:			
Aroclor-1260					6	16.26	
4.31	4.33	4.35	4996360	22735.714969			1
4.44	4.46	4.48	6808408	28882.050217			2
4.55	4.56	4.59	4199260	21455.738459			3
4.89	4.91	4.93	2690334	17703.191572			4
5.09	5.10	5.13	8855067	25730.004456			5
5.34	5.36	5.38	6088364	23956.398703			6
Height Summation:			**33637793**				
Amount Avg CF:			**23410.516396**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229450** RI ACF DF50 98A01 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274A
Result file : 25PCBS17284003.106.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 14:06:13
Instrument : CP25--18274B
Result file : 25PCBS17284003B.106.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**40.68**	
4.70	4.72	4.74	2140000	9086.155596			1
E 4.89	4.91	4.93	2690334	12078.543248			2
E 5.08	5.10	5.12	8855067	19060.285702			3
5.30	5.32	5.34	1240535	6729.547258			4
E 5.34	5.36	5.38	6088364	19290.915097			5
E 5.72	5.74	5.76	2298316	10805.076808			6
Height Summation:			**23312616**				
Amount Avg CF:			**12841.753951**	Linear:			
Aroclor-1268					**6**	**128.11**	
5.30	5.32	5.34	1240535	2259.531521			1
E 5.35	5.36	5.39	6088364	10923.559748			2
5.50	5.52	5.54	148955.2	293.224035			3
5.57	5.59	5.61	22959.6	165.6029			4
E 5.72	5.74	5.76	2298316	10300.571294			5
5.92	5.94	5.96	478796.5	236.124036			6
Height Summation:			**10277926.3**				
Amount Avg CF:			**4029.768922**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2537.3133	492.5373		** 95.50	4	40	
Aroclor-1221			2537.3133	761.194		** 102.18	3	5	
Aroclor-1232			2537.3133	611.9403		** 102.19	4	10	
Aroclor-1242			2537.3133	611.9403		** 102.47	4	30	
Aroclor-1248			2537.3133	492.5373		11.87	4	40	
Aroclor-1254			2537.3133	656.7164	E	25.54	4	40	
Aroclor-1260			2537.3133	582.0895		1.11	4	40	
Aroclor-1262			2537.3133	492.5373	E	2.34	4	40	
Aroclor-1268			2537.3133	492.5373	E	21.56	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:06:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.106.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		6156	7830
2.085		4519	7689
2.138		3542	3171
2.205		20774	17110
2.33		8357	5808
2.365		2701	5519
2.489		4160	4543
2.587		400	275
2.652		9945	7679
2.752		2440	6624
2.804		764	351
2.838		388	266
2.894		2775	2775
2.93	TCX	78491	52628
3.021		456	275
3.037		1024	597
3.083		340	266
3.094		435	244
3.126		1412	1495
3.18		1900	1322
3.237		1265	839
3.25		8567	5571
3.331		473	731
3.397		1135	693
3.413		1538	937
3.481		1545	2264
3.512		6747	4784
3.588		1112	755
3.602		1163	743
3.655		690	293
3.689		21865	25320
3.733		9051	8746
3.782		4451	3553
3.82		9692	7853
3.852		30551	23173
3.879		41631	28451
3.901		57378	37844
3.975		17168	12138
3.999		16275	11383
4.03		57330	44112
4.064		48058	43234
4.111		9343	7455
4.137		49721	39267
4.164		4093	2216
4.187		21409	15544
4.223		121903	89818
4.24		31744	15826
4.268		377183	356417
4.336		254827	220762
4.376		499509	541863
4.411		409875	367080
4.452		166491	128774
4.472		19887	11061
4.497		7008	4379

RT A	Compound A	Height A	Area A
4.515		119648	106837
4.564		90904	65259
4.582		251616	278221
4.626		2065686	1817795
4.676		765361	893869
4.711		52484	27623
4.732		62340	36227
4.752		1808945	1600071
4.796		155302	142038
4.838		1071296	1060980
4.87		16247	8623
4.897		563720	543536
4.949		2848184	3574981
5		332431	300084
5.039		1162859	1237465
5.082		169762	122173
5.12		287860	352582
5.153		4575574	4667261
5.194		56362	28462
5.22		1186248	1063359
5.263		801885	803446
5.334		4568	4505
5.358		654875	532498
5.382		1179792	968421
5.439		680383	630019
5.477		420600	387120
5.5		12689	5489
5.52		28187	25965
5.559		490687	507331
5.593		26994	17586
5.617		3876688	3722953
5.652		30372	21965
5.703		19439	17710
5.737		7735	5452
5.764		9774	11795
5.822		2503752	2263903
5.852		170850	110148
5.878		386610	433965
5.921		2226	1816
5.95		3671	3282
5.988		49074	42013
6.013		18862	16077
6.063		71498	54062
6.092		448558	428822
6.129		8118	6063
6.157		18571	16726
6.197		1670	1768
6.22		17870	11807
6.247		884139	861013
6.293		56903	56045
6.344		1497	1566
6.372		2627	3766
6.45		162551	171863
6.506		13829	16773
6.566		7221	7203
6.599	DCB	57658	57402
6.634		17058	13951
6.656		1436	1161
6.708		912	469
6.759		3429	4003
6.808		711	437
6.836		1538	2529
6.883		3045	5561
6.922		1241	1296
6.974		429	255

LANCASTER LABORATORIES

Sample Number: 9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:06:13 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.106.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.118		2827	3360
2.158		3738	2800
2.213		1531	4875
2.231		4305	4126
2.313		2434	2241
2.364		21595	14210
2.464		3407	9753
2.539		2681	7441
2.594		1216	909
2.615	TCX	143287	87806
2.702		3050	5029
2.761		1815	1651
2.785		2605	1651
2.834		3694	4149
2.869		1098	1171
2.911		20788	20584
3.045		1495	622
3.066		674	225
3.089		1288	473
3.107		1307	1023
3.116		3679	2398
3.148		421	147
3.159		737	142
3.177		2449	1823
3.204		2724	1381
3.225		13909	8378
3.244		1816	892
3.264		6891	4126
3.28		1337	656
3.294		501	106
3.313		1619	1073
3.319		829	127
3.327		2461	1186
3.352		2196	1040
3.385		48820	38023
3.405		16643	8208
3.419		4342	1847
3.435		12333	6432
3.484		20613	20006
3.528		77241	45905
3.551		114471	61965
3.569		132518	73108
3.631		1684	1308
3.637		665	115
3.655		31938	17337
3.667		1666	356
3.677		31535	15133
3.698		127529	86057
3.728		9169	4000
3.744		49626	24386
3.756		20878	9459
3.781		130065	85862
3.823		55259	40423
3.855		18845	11567

RT B	Compound B	Height B	Area B
3.876		486702	317033
3.901		258648	141345
3.921		607255	346039
3.939		534468	314506
3.975		1303432	905461
4.006		969217	611178
4.023		64356	27166
4.045		439427	294846
4.09		142797	134479
4.118		255766	165382
4.139		140343	102386
4.175		508164	387160
4.217		388747	339262
4.235		4399709	4067611
4.273		828374	705729
4.326		4996360	4166173
4.363		359301	338677
4.395		1843197	1215478
4.419		1618504	1128701
4.462		6808408	5108674
4.512		30800	27193
4.564		4199260	4060829
4.615		1327042	1095230
4.654		1587466	1352125
4.691		8712599	7284342
4.723		2140000	1353823
4.761		1764105	1294713
4.819		38338	25163
4.831		13099	6417
4.86		328320	212136
4.877		243519	147718
4.91		2690334	2039413
4.934		1428839	1009867
4.985		1785824	1550389
5.02		910512	705312
5.05		624191	477963
5.083		603849	379116
5.104		8855067	6893203
5.145		150085	104471
5.177		194218	166099
5.22		10345	6441
5.241		45073	31884
5.274		31638	23943
5.296		41091	23019
5.318		1240535	1013345
5.362		6088364	6201719
5.421		13173	14728
5.463		5527	3907
5.516		148955	125838
5.563		206896	186421
5.586		22960	11278
5.608		232940	158588
5.635		898269	741175
5.675		24148	23470
5.715		59507	40692
5.741		2298316	1912180
5.773		135515	101793
5.821		9536	5868
5.853		6132	6576
5.883		4633	4140
5.94		478797	392894
5.974		1531	615
6.004		35077	34963
6.076		14951	9647
6.098	DCB	171813	137490
6.134		54846	45982

RT B	Compound B	Height B	Area B
6.226		11985	20464
6.274		9116	7057
6.303		9620	8816
6.336		3221	2184
6.406		4084	6383
6.443		1113	410
6.466		5302	4707
6.52		2035	2227
6.574		6240	5599
6.636		1422	2063
6.665		2407	3171
6.693		1257	788
6.772		2068	1540
6.824		4908	5095
6.875		2970	4609
6.961		818	199

9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082

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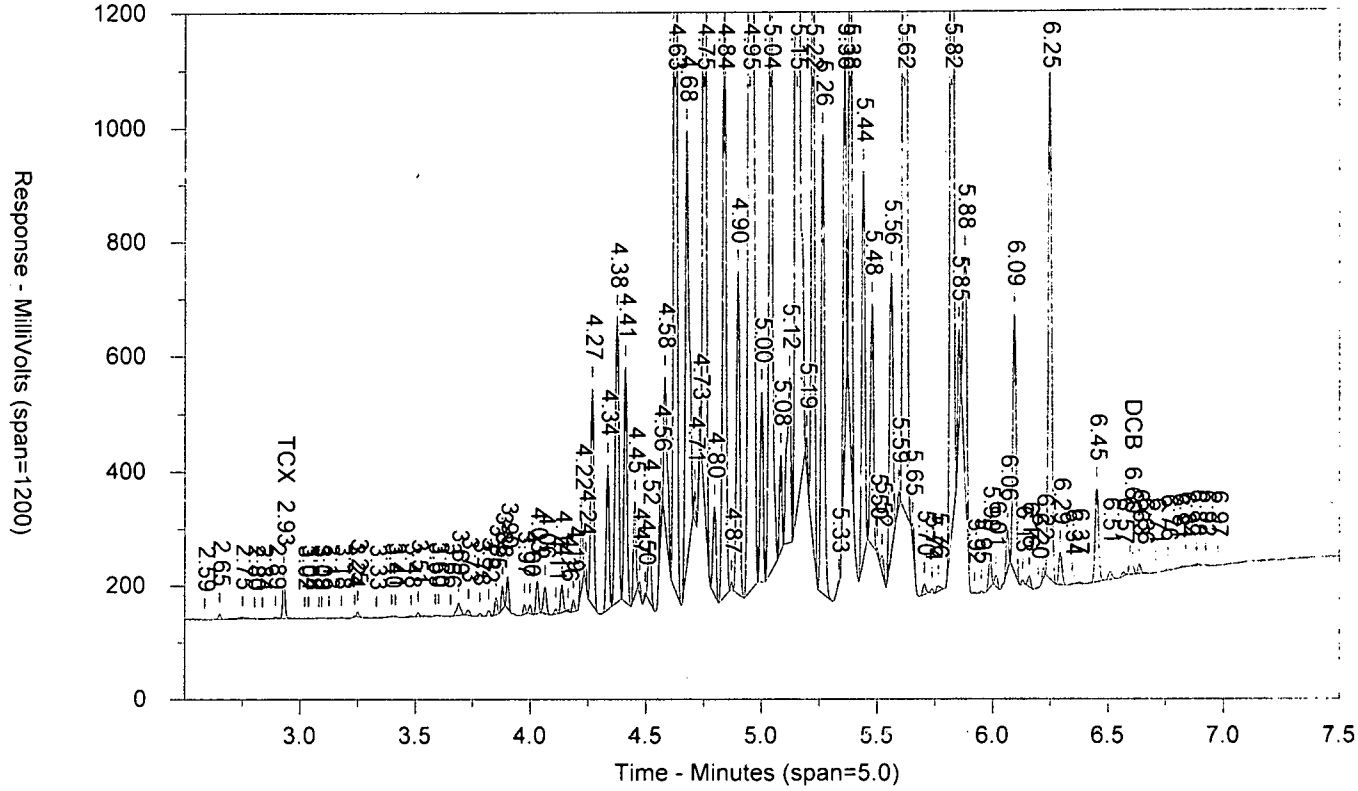

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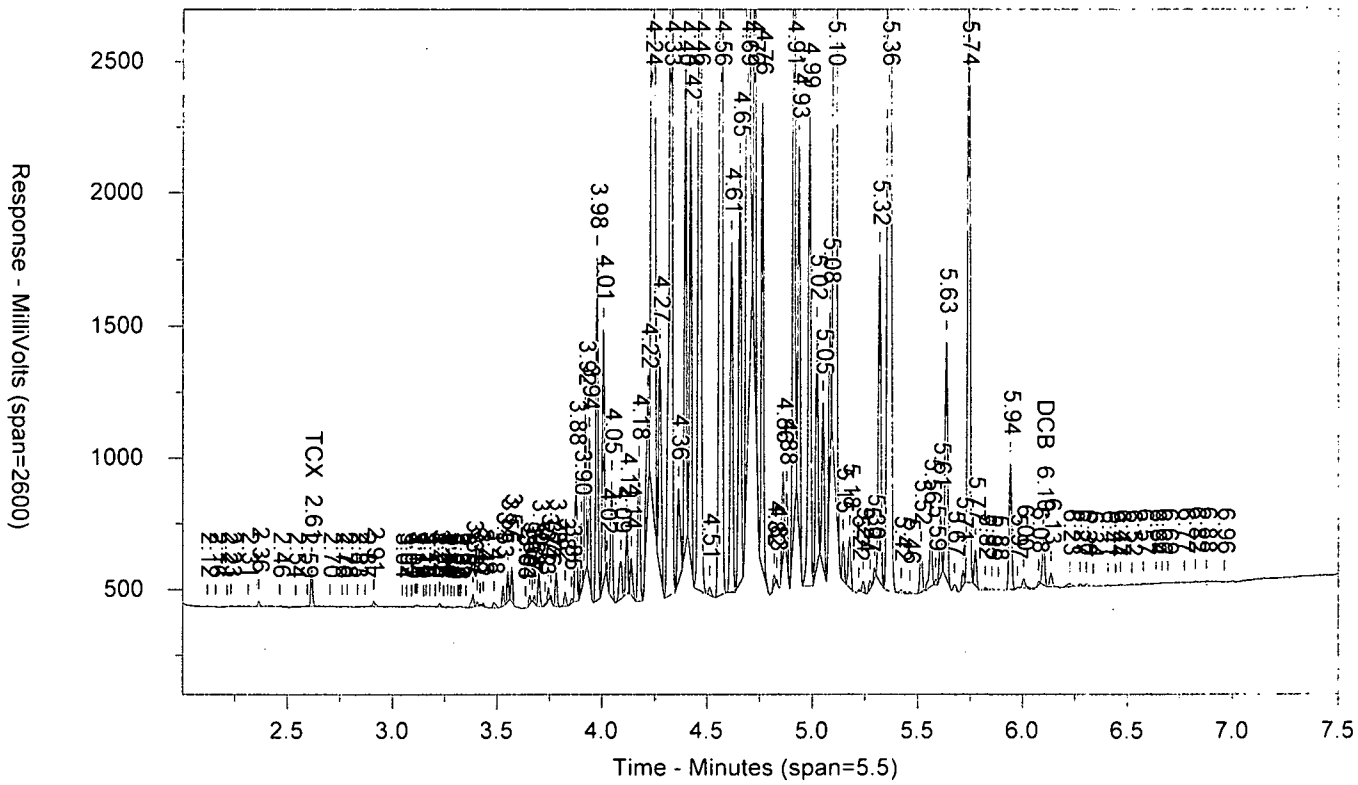

LANCASTER LABORATORIES

Sample Number: 9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:06:13 PM Sample Weight: 10.05
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	78491	25.883	TCX	2.615	143287	26.166	TCX
6.599	57658	29.76	DCB	6.098	171813	28.235	DCB

Files:
Area File: 25pcbs17284003.106.RAW
Area File: 25pcbs17284003B.106.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: 10/16/2017 2:14:46 PM
File Reported On: 10/16/2017 at 2:15:09 PM

9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082

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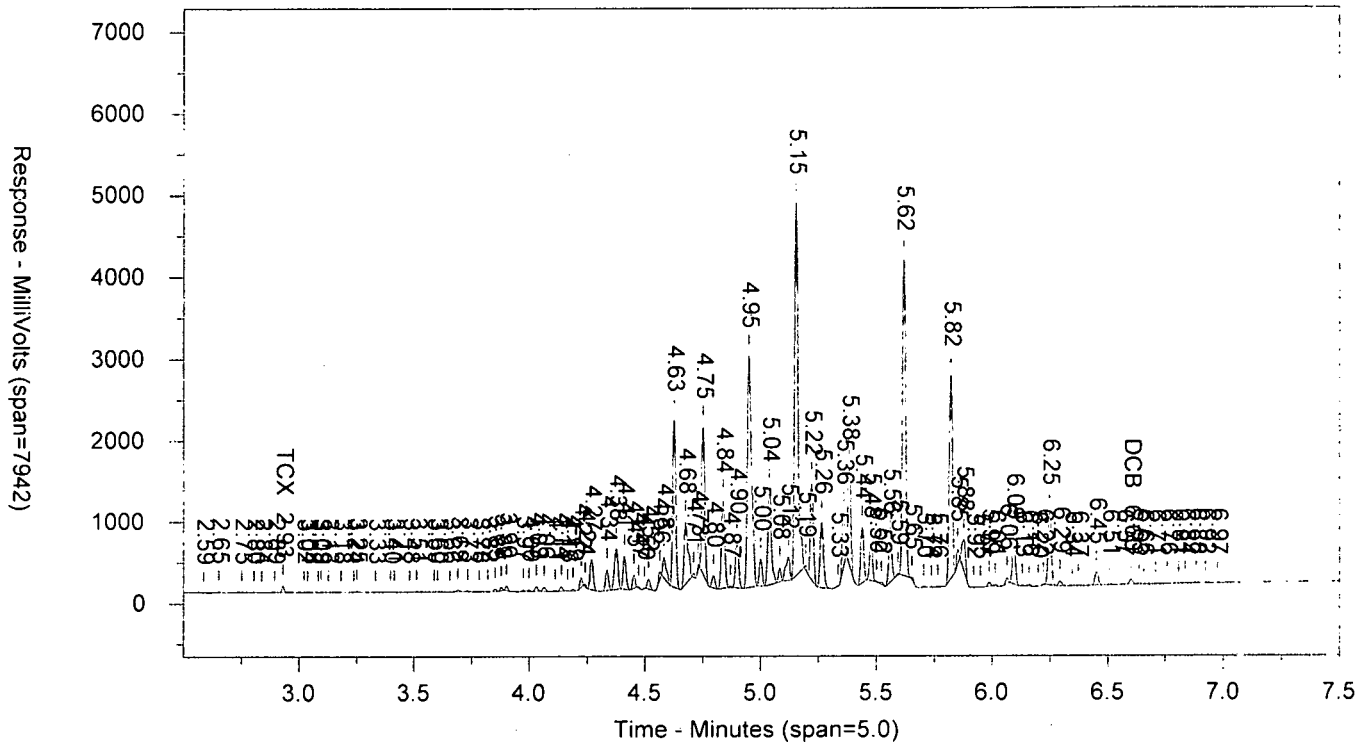

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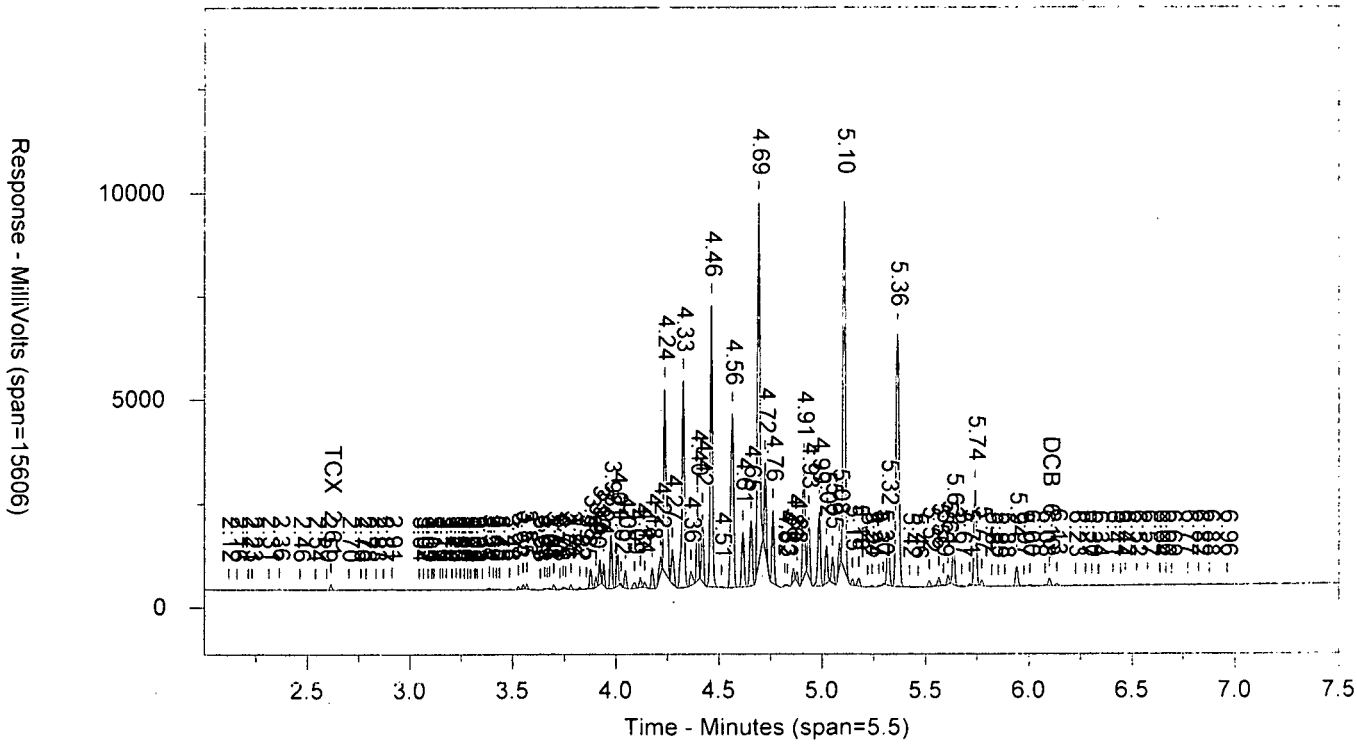

9229450 RI ACF DF50 AC98A01 T 172790013A 10225 SW-846 8082

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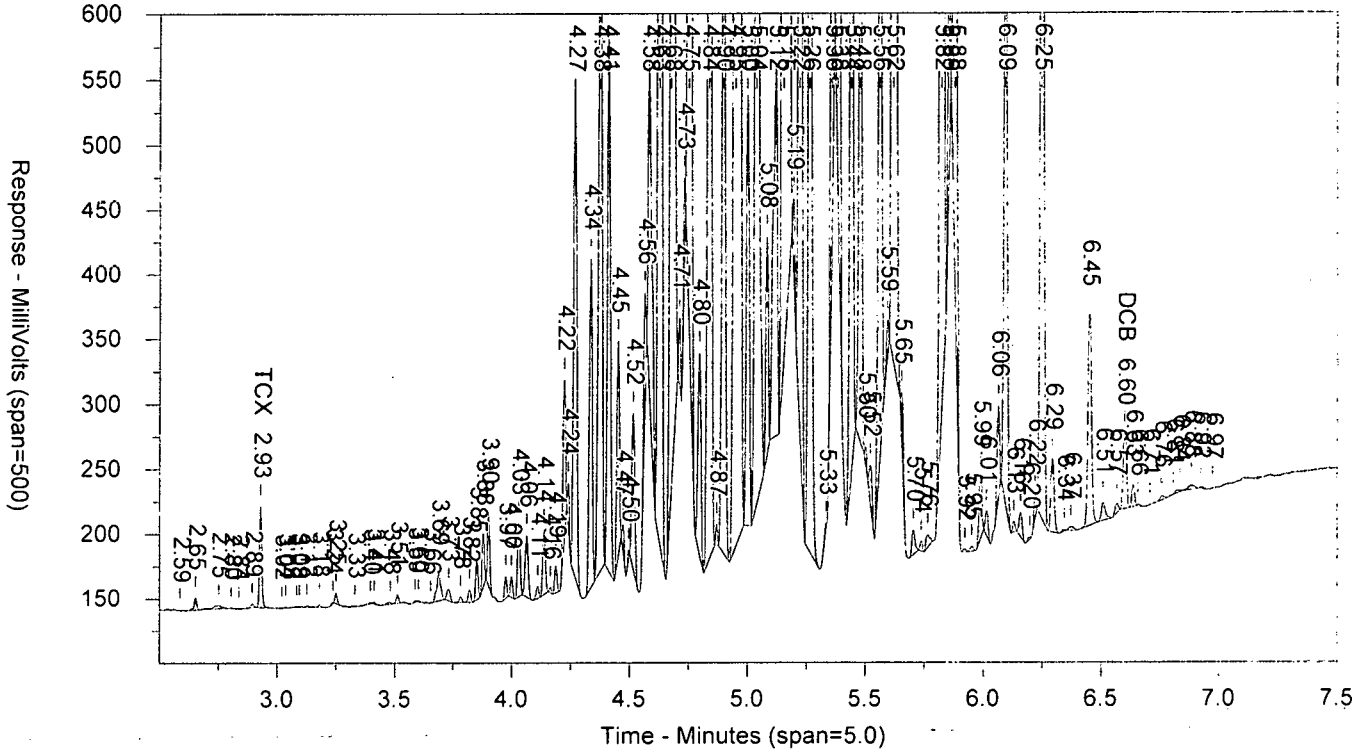

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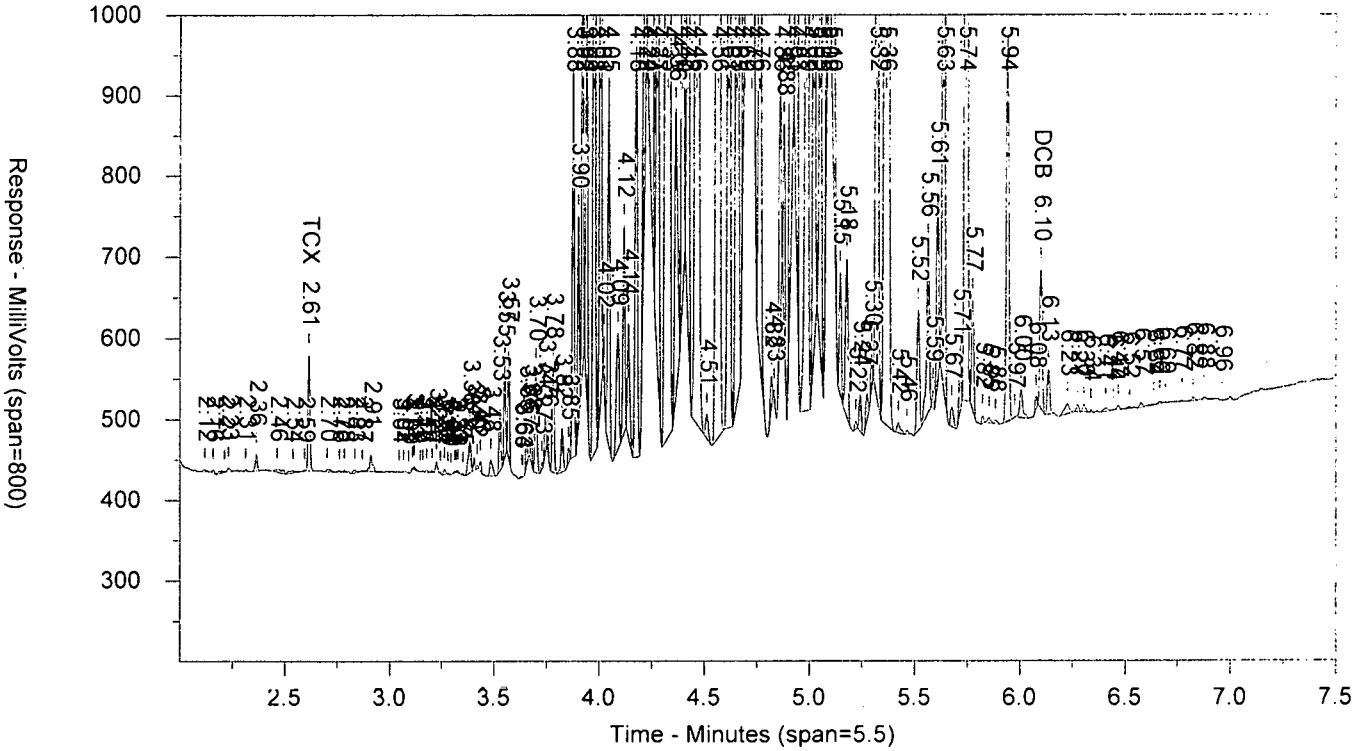

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Data Summary

Sample Name: 9229451 RI ACF DF50 98A02 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:17:30
Instrument	18274A
Result file	25PCBS17284003.107.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 68% (61 - 152) Conc: 20.39174
%SSR(DCB) 112% (48 - 164) Conc: 29.99028

Analysis Report (B)

Injected on	Oct 16, 2017 14:17:30
Instrument	18274B
Result file	25PCBS17284003B.107.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 79% (61 - 152) Conc: 23.86384
%SSR(DCB) 87% (48 - 164) Conc: 23.37754

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	62269	20.39174
Decachlorobiphenyl	6.57	6.60	6.63	58510	29.99028

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	131588	23.86384
Decachlorobiphenyl	6.07	6.10	6.13	143243	23.37754

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	23.86384				15.69	
☑	Tetrachloro-m-xylene-D1	A	20.39174					
☑	Tetrachloro-m-xylene-D2	B	23.86384					
☐	Decachlorobiphenyl	A	29.99028				24.78	
☑	Decachlorobiphenyl-D1	A	29.99028					
☑	Decachlorobiphenyl-D2	B	23.37754					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**29.25**	
4.55	4.57	4.59	303589.3	4939.690658			1
4.61	4.63	4.65	1037629	8621.999531			2
4.82	4.84	4.86	723723.5	8803.890422			4
Height summation:			**2064941.8**				
Concentration		CF:	**7455.193537**	L:			
Aroclor-1260						**8.33**	
5.36	5.38	5.40	396372.6	5624.109817			4
5.60	5.62	5.64	1142887	6497.774673			5
5.80	5.82	5.84	726426.6	6543.494827			6
Height summation:			**2265686.2**				
Concentration		CF:	**6221.793106**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**14.02**	
4.22	4.24	4.26	2200802	8433.006179			1
4.38	4.40	4.42	1365847	8846.933342			3
4.59	4.61	4.63	755051.7	6729.753529			5
Height summation:			**4321700.7**				
Concentration		CF:	**8003.231017**	L:			
Aroclor-1260						**10.31**	
4.89	4.91	4.93	814413.2	5322.01044			4
5.09	5.10	5.13	2229096	6432.241351			5
5.34	5.36	5.38	1628999	6365.423307			6
Height summation:			**4672508.2**				
Concentration		CF:	**6039.891699**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:01

10/19/2017

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Data Summary

Sample Name: 9229451 RI ACF DF50 98A02 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:17:30
Instrument	18274A
Result file	25PCBS17284003.107.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 14:17:30
Instrument	18274B
Result file	25PCBS17284003B.107.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			<2519.7628	<489.1304	D1		4	
☑	PCB-1221			<2519.7628	<755.9289	D1		3	
☑	PCB-1232			<2519.7628	<607.7075	D1		4	
☑	PCB-1242			<2519.7628	<607.7075	D1		4	
☑	PCB-1248			<2519.7628	<489.1304	D1		4	
☑	PCB-1254	B	8003.231017	2519.7628	652.1739	D2	7.09	4	
☑	PCB-1260	A	6221.793106	2519.7628	578.0632	D1	2.97	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:01

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229451** RI ACF DF50 98A02 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274A
Result file : 25PCBS17284003.107.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 68% (61-152) Conc.: 20.39174
%SSR(DCB) : 112% (48-164) Conc.: 29.99028

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.61	
3.16	3.18	3.20	5640.557	105.588928			1
+ 3.38	3.40	3.42	15938.31	322.563715			2
3.38	3.41	3.42	21949.49	444.219559			2
3.49	3.51	3.53	115602.9	1826.345437			3
3.71	3.73	3.75	116893.5	1617.830946			4
3.76	3.78	3.80	25613.43	410.019697			5
3.96	3.98	4.00	148979.5	3543.638577			6
Height Summation:			**434679.377**				
Amount Avg CF:			**1324.607191**	Linear:			
Aroclor-1221					3	33.19	
3.06	3.10	3.10	1098.063	48.158693			1
3.11	3.12	3.15	1191.412	59.353307			2
3.16	3.18	3.20	5640.557	90.421329			3
Height Summation:			**7930.032**				
Amount Avg CF:			**65.977776**	Linear:			
Aroclor-1232					6	102.95	
3.16	3.18	3.20	5640.557	103.261922			1
+ 3.38	3.40	3.42	15938.31	782.868605			2
3.38	3.41	3.42	21949.49	1078.129778			2
3.49	3.51	3.53	115602.9	4204.857971			3
3.70	3.73	3.74	116893.5	3497.297748			4
3.76	3.78	3.80	25613.43	1038.174176			5
3.95	3.98	3.99	148979.5	8870.061004			6
Height Summation:			**434679.377**				
Amount Avg CF:			**3131.963766**	Linear:			
Aroclor-1242					6	99.64	
3.16	3.18	3.20	5640.557	76.454007			1
+ 3.37	3.40	3.41	15938.31	255.107112			2
3.37	3.41	3.41	21949.49	351.321502			2
3.49	3.51	3.53	115602.9	1379.541602			3
3.70	3.73	3.74	116893.5	1122.994646			4
3.76	3.78	3.80	25613.43	320.704131			5
3.95	3.98	3.99	148979.5	2754.599227			6
Height Summation:			**434679.377**				
Amount Avg CF:			**1000.935852**	Linear:			
Aroclor-1248					6	74.76	
3.71	3.73	3.75	116893.5	2964.495113			1
3.76	3.78	3.80	25613.43	750.573838			2
3.83	3.85	3.87	268953.6	5212.967424			3
3.98	4.00	4.02	172859.4	10798.528831			4
4.04	4.06	4.08	124994.1	2473.518087			5
4.22	4.22	4.26	332989.5	6879.118733			6
+ 4.22	4.24	4.26	116665.7	2410.157685			6
Height Summation:			**1042303.53**				
Amount Avg CF:			**4846.533671**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274B
Result file : 25PCBS17284003B.107.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 79% (61-152) Conc.: 23.86384
%SSR(DCB) : 87% (48-164) Conc.: 23.37754

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	120.43	
2.88	2.91	2.92	100055.7	1033.567494			1
3.21	3.22	3.25	213015.7	1817.227042			2
3.40	3.40	3.44	300232.7	2609.378602			3
+ 3.40	3.44	3.44	240857.3	2093.335885			3
3.47	3.49	3.51	59977.93	474.063479			4
+ 3.53	3.55	3.57	1008673	9583.15713			5
3.53	3.57	3.57	1226234	11650.151337			5
3.64	3.65	3.68	320647.5	3016.698585			6
Height Summation:			**2220163.53**				
Amount Avg CF:			**3433.514423**	Linear:			
Aroclor-1221					2	73.19	
2.83	2.84	2.87	7874.091	279.949085			2
2.88	2.91	2.92	100055.7	880.573527			3
Height Summation:			**107929.791**				
Amount Avg CF:			**580.261306**	Linear:			
Aroclor-1232					6	139.94	
2.88	2.91	2.92	100055.7	969.956			1
3.21	3.22	3.25	213015.7	4106.339611			2
3.40	3.40	3.44	300232.7	5864.539841			3
+ 3.40	3.44	3.44	240857.3	4704.741462			3
3.47	3.49	3.51	59977.93	1137.169831			4
E+ 3.53	3.55	3.57	1008673	28079.009413			5
E 3.53	3.57	3.57	1226234	34135.379879			5
3.63	3.65	3.67	320647.5	7793.718638			6
Height Summation:			**2220163.53**				
Amount Avg CF:			**9001.183967**	Linear:			
Aroclor-1242					6	133.37	
2.88	2.91	2.92	100055.7	789.350191			1
3.21	3.22	3.25	213015.7	1395.91552			2
3.40	3.40	3.44	300232.7	1785.202504			3
+ 3.40	3.44	3.44	240857.3	1432.152644			3
3.47	3.49	3.51	59977.93	360.722637			4
+ 3.53	3.55	3.57	1008673	8595.297788			5
E 3.53	3.57	3.57	1226234	10449.2203			5
3.63	3.65	3.67	320647.5	2264.769687			6
Height Summation:			**2220163.53**				
Amount Avg CF:			**2840.863473**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229451** RI ACF DF50 98A02 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274A
Result file : 25PCBS17284003.107.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	50.17	
4.55	4.57	4.59	303589.3	4939.690658			1
4.61	4.63	4.65	1037629	8621.999531			2
4.73	4.75	4.77	722953	18696.593866			3
4.82	4.84	4.86	723723.5	8803.890422			4
5.02	5.04	5.06	516541.7	8625.643817			5
5.13	5.15	5.17	1507463	17947.820725			6
Height Summation:			**4811899.5**				
Amount Avg CF:			**11272.606503**	Linear:			
Aroclor-1260					6	27.51	
4.73	4.75	4.77	722953	7645.76722			1
4.93	4.95	4.97	1025475	9381.198955			2
5.13	5.15	5.17	1507463	11373.322212			3
5.36	5.38	5.40	396372.6	5624.109817			4
5.60	5.62	5.64	1142887	6497.774673			5
5.80	5.82	5.84	726426.6	6543.494827			6
Height Summation:			**5521577.2**				
Amount Avg CF:			**7844.277951**	Linear:			
Aroclor-1262					6	35.70	
5.20	5.22	5.24	361066.3	3271.671318			1
5.36	5.38	5.40	396372.6	4120.613585			2
5.60	5.62	5.64	1142887	5250.040608			3
5.80	5.82	5.84	726426.6	5064.661399			4
5.86	5.88	5.90	109103	1608.335932			5
6.23	6.25	6.27	274502.5	3344.905674			6
Height Summation:			**3010358**				
Amount Avg CF:			**3776.704753**	Linear:			
Aroclor-1268					6	96.09	
5.80	5.82	5.84	726426.6	2940.038334			1
5.86	5.88	5.90	109103	490.041777			2
5.99	6.01	6.03	6517.811	31.470963			3
+ 6.06	6.06	6.10	21171.72	367.127387			4
6.06	6.09	6.10	156172.5	2708.103158			4
6.23	6.25	6.27	274502.5	3054.216265			5
6.43	6.45	6.47	58298.74	84.720347			6
Height Summation:			**1331021.151**				
Amount Avg CF:			**1551.431807**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274B
Result file : 25PCBS17284003B.107.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	67.36	
3.40	3.40	3.44	300232.7	5157.16729			1
+ 3.40	3.44	3.44	240857.3	4137.26216			1
3.47	3.49	3.51	59977.93	856.45764			2
3.51	3.53	3.55	565238.8	4923.421147			3
3.64	3.65	3.68	320647.5	2280.67858			4
+ 3.73	3.73	3.77	2018.684	20.709827			5
3.73	3.74	3.77	255597.2	2622.190455			5
3.86	3.88	3.90	1462252	8530.515216			6
Height Summation:			**2963946.13**				
Amount Avg CF:			**4061.738388**	Linear:			
Aroclor-1254					6	48.16	
+ 4.22	4.22	4.26	158841.8	608.648066			1
4.22	4.24	4.26	2200802	8433.006179			1
4.31	4.33	4.35	1890449	14942.579854			2
4.38	4.40	4.42	1365847	8846.933342			3
4.44	4.46	4.48	2296500	23294.635643			4
4.59	4.61	4.63	755051.7	6729.753529			5
4.67	4.69	4.71	2852245	16748.735048			6
Height Summation:			**11360894.7**				
Amount Avg CF:			**13165.940599**	Linear:			
Aroclor-1260					6	22.00	
4.31	4.33	4.35	1890449	8542.901678			1
4.44	4.46	4.48	2296500	9674.631776			2
4.55	4.56	4.59	1412296	7166.085406			3
4.89	4.91	4.93	814413.2	5322.01044			4
5.09	5.10	5.13	2229096	6432.241351			5
5.34	5.36	5.38	1628999	6365.423307			6
Height Summation:			**10271753.2**				
Amount Avg CF:			**7250.548993**	Linear:			
Aroclor-1262					6	35.81	
4.70	4.72	4.74	589948.1	2487.515252			1
4.89	4.91	4.93	814413.2	3631.1042			2
5.08	5.10	5.12	2229096	4764.878998			3
5.30	5.32	5.34	364849	1965.511255			4
5.34	5.36	5.38	1628999	5125.763772			5
5.72	5.74	5.76	649156.4	3030.770214			6
Height Summation:			**6276461.7**				
Amount Avg CF:			**3500.923948**	Linear:			
Aroclor-1268					6	124.81	
5.30	5.32	5.34	364849	659.94553			1
5.35	5.36	5.39	1628999	2902.484747			2
5.50	5.52	5.54	66279.23	129.570728			3
5.57	5.59	5.61	7742.211	55.456719			4
5.72	5.74	5.76	649156.4	2889.25893			5
5.92	5.94	5.96	144334.2	70.687729			6
Height Summation:			**2861360.041**				
Amount Avg CF:			**1117.900731**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229451** RI ACF DF50 98A02 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.12 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274A
Result file : 25PCBS17284003.107.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 14:17:30
Instrument : CP25--18274B
Result file : 25PCBS17284003B.107.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			2519.7628	489.1304		** 88.64	4	40	
Aroclor-1221			2519.7628	755.9289		** 159.16	3	5	
Aroclor-1232			2519.7628	607.7075		** 96.75	4	10	
Aroclor-1242			2519.7628	607.7075		** 95.78	4	30	
Aroclor-1248			2519.7628	489.1304		17.62	4	40	
Aroclor-1254			2519.7628	652.1739		15.49	4	40	
Aroclor-1260			2519.7628	578.0632		7.87	4	40	
Aroclor-1262			2519.7628	489.1304		7.58	4	40	
Aroclor-1268			2519.7628	489.1304		32.48	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:17:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.107.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.008		988	618
2.036		5814	4901
2.048		5662	4075
2.085		4001	5570
2.116		1288	733
2.138		2550	1596
2.204		16375	11160
2.228		1060	997
2.263		315	155
2.283		633	241
2.299		550	263
2.331		4197	3448
2.368		1383	974
2.394		1637	2060
2.425		403	185
2.457		550	356
2.488		4176	4490
2.53		930	1126
2.56		1202	1186
2.592		431	203
2.636		2680	1457
2.653		16324	9868
2.71		539	1188
2.753		2377	4227
2.806		1556	974
2.832		651	653
2.873		362	220
2.895		2426	1964
2.93	TCX	62269	43546
3.014		562	594
3.096		1098	2580
3.124		1191	1336
3.18		5641	3813
3.25		47614	34011
3.273		3494	1981
3.325		335	229
3.396		15938	8931
3.413		21949	13435
3.45		2819	1712
3.478		1847	1591
3.512		115603	83262
3.58		4780	3524
3.603		694	358
3.621		7481	4455
3.635		2246	954
3.69		225284	314661
3.734		116894	91275
3.783		25613	18302
3.823		58030	44352
3.852		268954	197963
3.879		463703	311948
3.901		515739	374465
3.975		148980	108015
3.999		172859	126769

RT A	Compound A	Height A	Area A
4.03		243533	193921
4.064		124994	112887
4.11		34091	32016
4.138		21071	14480
4.154		1447	2315
4.189		46374	35722
4.224		332990	238525
4.241		116666	61758
4.266		531964	467014
4.308		798	385
4.335		226211	194790
4.376		643559	766919
4.411		376075	321950
4.452		77225	56894
4.474		64897	45074
4.516		206031	187221
4.565		303589	301541
4.595		42897	25377
4.627		1037629	951654
4.676		261089	284830
4.711		73621	48165
4.751		722953	716273
4.796		119619	107338
4.837		723724	709957
4.869		9501	5434
4.898		186446	176276
4.949		1025475	1400761
5		116881	100172
5.038		516542	598731
5.083		59688	43352
5.12		111718	142236
5.154		1507463	1524454
5.195		32431	16536
5.221		361066	331336
5.263		248829	259340
5.335		2199	1897
5.358		260489	202264
5.382		396373	328195
5.439		236558	219921
5.477		171482	166752
5.518		18059	20759
5.558		221870	228073
5.593		20485	13013
5.618		1142887	1067919
5.653		9981	5890
5.718		2211	3371
5.778		1486	1593
5.822		726427	692303
5.853		59851	38295
5.877		109103	124562
5.922		981	1031
5.958		1895	1842
5.988		22386	19499
6.014		6518	5051
6.064		21172	15729
6.092		156173	148829
6.159		10011	10822
6.221		7659	5413
6.249		274503	266231
6.294		17510	17095
6.336		989	822
6.372		489	376
6.452		58299	58585
6.511		12659	13318
6.567		2254	1946
6.601	DCB	58510	60722

RT A	Compound A	Height A	Area A
6.636		7012	6255
6.712		374	668
6.797		1090	6795
6.818		2328	2897
6.888		2900	4607
6.929		801	594
6.986		372	146

LANCASTER LABORATORIES

Sample Number: 9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:17:30 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.107.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

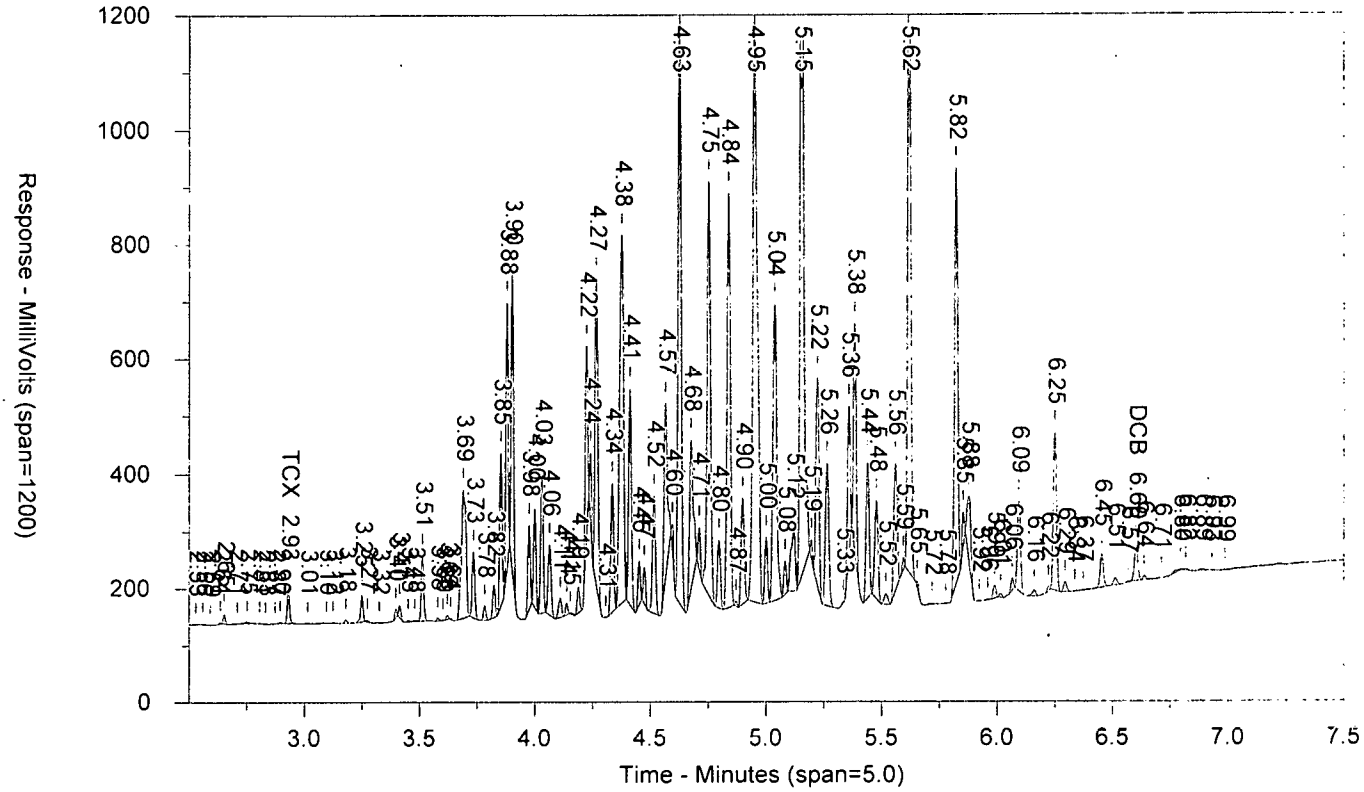
RT B	Compound B	Height B	Area B
2.002		1738	2838
2.025		6601	2777
2.049		17443	17912
2.069		17604	16474
2.101		19248	35323
2.166		10390	10403
2.191		6337	3999
2.23		10984	6039
2.247		2533	1385
2.291		7222	8602
2.309		8724	14931
2.365		38243	26071
2.409		4519	3673
2.445		7223	4342
2.463		8713	5614
2.489		13452	14503
2.538		15615	19579
2.566		5513	4474
2.592		4593	2659
2.615	TCX	131588	91887
2.676		7540	3365
2.705		9063	11065
2.729		2893	1709
2.759		6574	15532
2.81		5908	3654
2.835		7874	10692
2.868		4822	2516
2.911		100056	78231
2.952		5292	3628
2.99		3438	2131
3.009		10634	10017
3.072		6251	6147
3.09		1867	556
3.105		24407	11075
3.116		36231	17589
3.156		5850	3395
3.178		1452	376
3.19		2181	853
3.202		1916	567
3.225		213016	141074
3.263		7118	4756
3.28		738	166
3.311		24159	14990
3.324		3353	1159
3.354		4926	3611
3.385		373818	286534
3.405		300233	175090
3.435		240857	145032
3.492		59978	52152
3.528		565239	346518
3.551		1008673	528473
3.569		1226234	676878
3.598		2530	1274
3.625		2665	1330

RT B	Compound B	Height B	Area B
3.655		320648	187762
3.678		361552	199782
3.698		546959	349713
3.729		2019	785
3.744		255597	176203
3.783		83029	65388
3.832		55991	59353
3.855		93844	52558
3.876		1462252	918056
3.902		813843	491481
3.921		415639	224225
3.94		452752	273605
3.975		1626221	1084406
4.006		819091	501882
4.024		254955	127695
4.046		186204	117821
4.085		185614	151086
4.119		410228	290980
4.147		76627	58122
4.176		703903	516513
4.217		158842	192521
4.236		2200802	1862007
4.274		301121	282140
4.327		1890449	1540443
4.364		260184	214242
4.396		1365847	935281
4.42		508268	350979
4.463		2296501	1850724
4.518		142600	104107
4.564		1412296	1433427
4.614		755052	612902
4.655		518852	451141
4.691		2852245	2371651
4.724		589948	399865
4.762		493869	390637
4.821		6697	3265
4.833		7802	4055
4.861		101612	65514
4.878		91327	53621
4.911		814413	616865
4.935		492516	346568
4.985		544549	469696
5.021		278606	218903
5.051		189221	148472
5.083		336220	211730
5.104		2229096	1768684
5.146		47988	33346
5.178		68900	56784
5.2		1582	506
5.245		3449	2396
5.295		17662	11005
5.319		364849	314207
5.362		1628999	1668035
5.422		1467	1774
5.461		3342	2346
5.48		2308	1249
5.517		66279	54194
5.563		63688	56586
5.587		7742	3884
5.608		104977	74733
5.635		260763	214073
5.677		8091	8488
5.714		24918	17039
5.741		649156	527280
5.773		39179	29942
5.822		5070	5542

RT B	Compound B	Height B	Area B
5.865		1663	866
5.94		144334	125574
5.979		1696	1506
6.005		32121	27830
6.053		1236	302
6.076		6652	3783
6.099	DCB	143243	119617
6.135		26003	28009
6.225		10140	20645
6.275		1731	1066
6.302		31026	28112
6.408		3756	5293
6.435		1420	878
6.465		3692	3012
6.525		2909	5233
6.547		1147	521
6.577		2462	2387
6.606		1941	1394
6.636		2209	2018
6.703		1640	6398
6.748		2081	1118
6.786		2090	3149
6.834		2006	2495
6.862		942	320
6.925		1469	2081

9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.107.RAW



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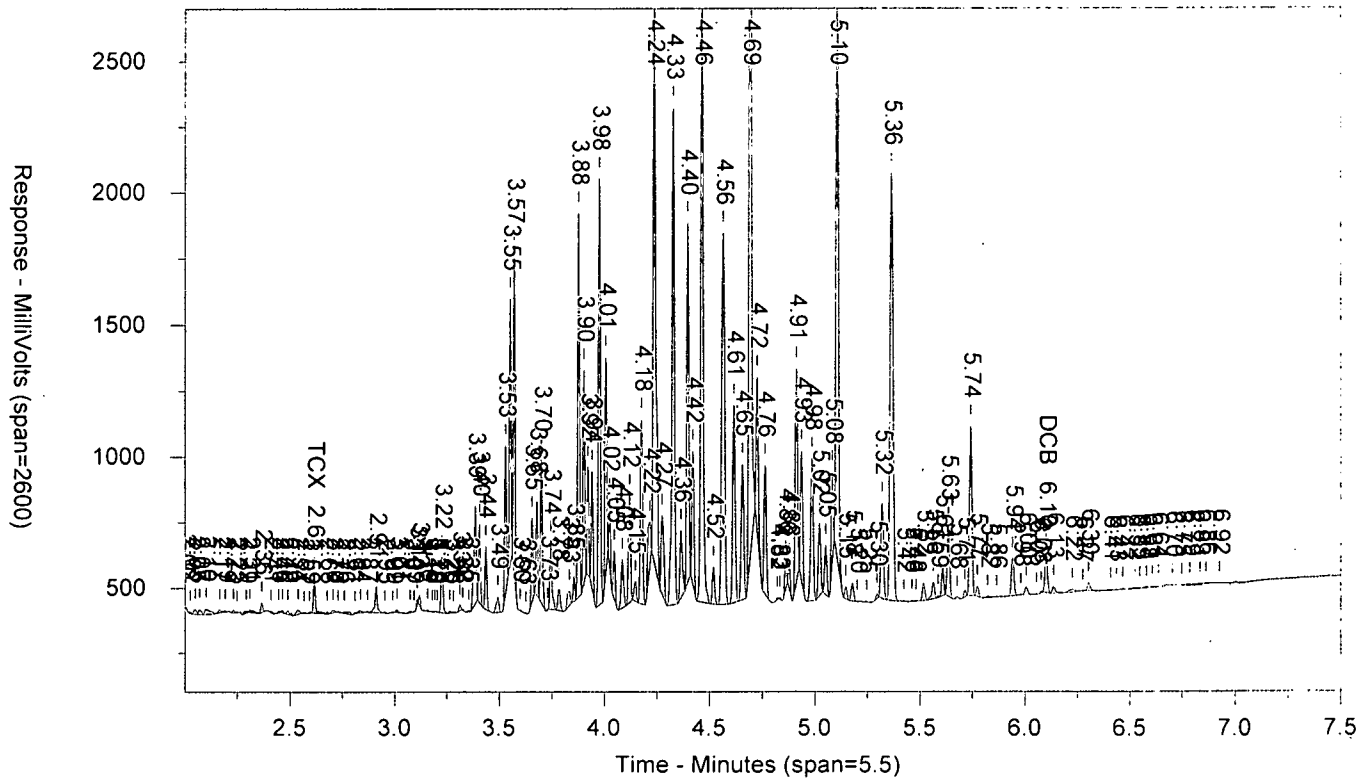


LANCASTER LABORATORIES

Sample Number: 9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:17:30 PM Sample Weight: 10.12
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

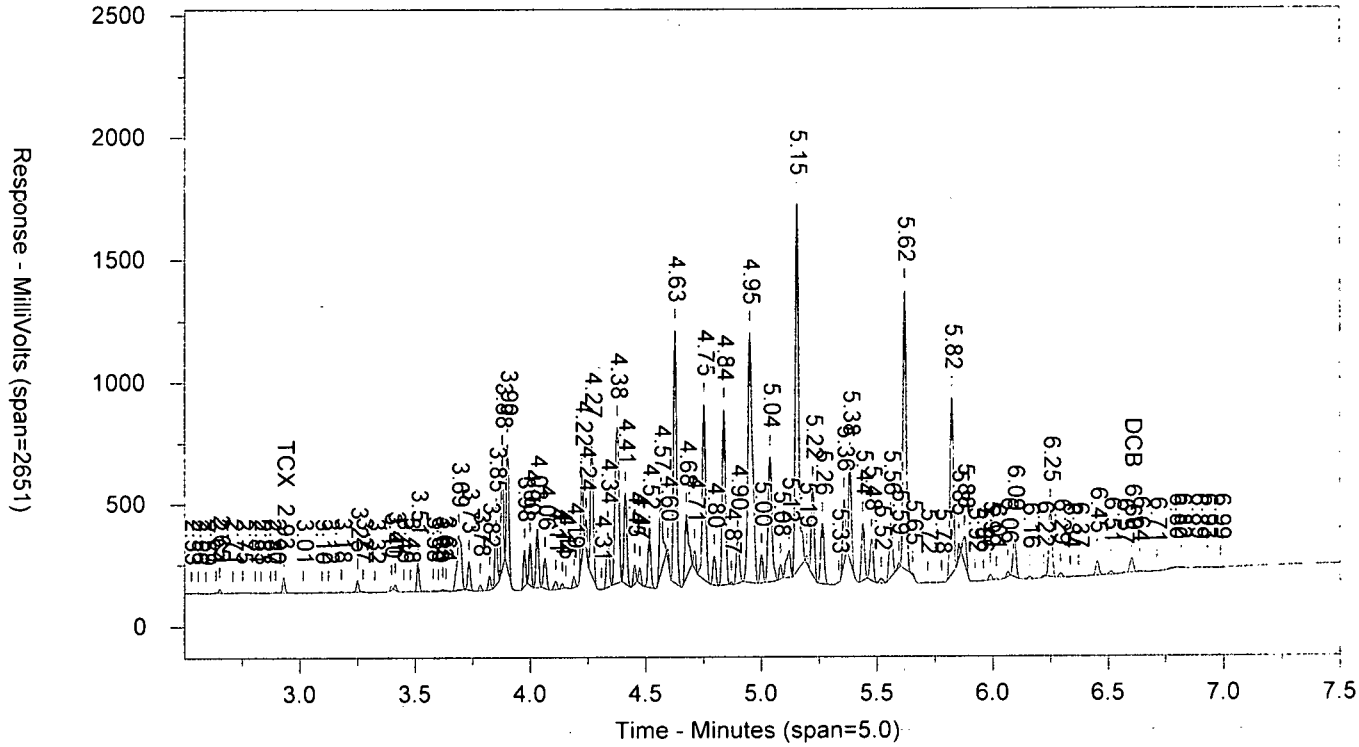
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	62269	20.392	TCX	2.615	131588	23.864	TCX
6.601	58510	29.99	DCB	6.099	143243	23.378	DCB

Files:
Area File: 25pcbs17284003.107.RAW
Area File: 25pcbs17284003B.107.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: 10/16/2017 2:26:01 PM
File Reported On: 10/16/2017 at 2:26:15 PM

9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.107.RAW



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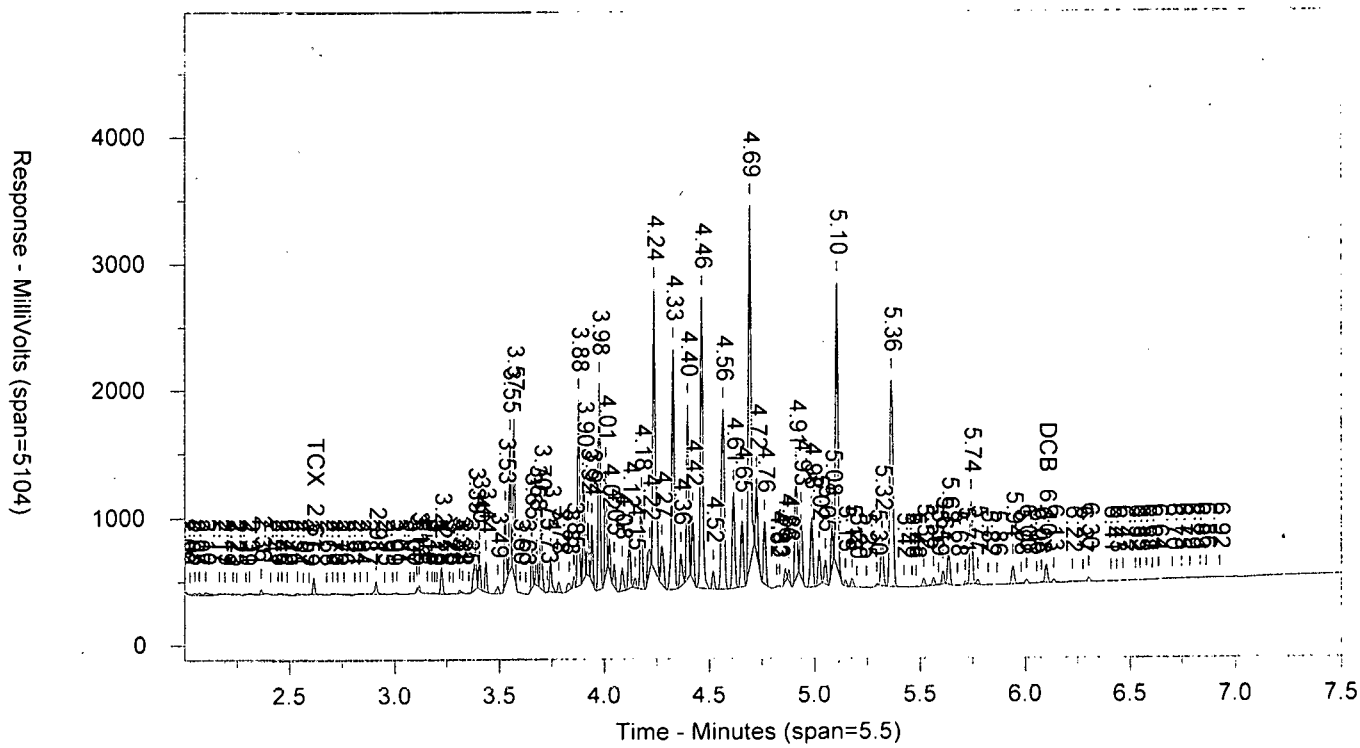

9229451 RI ACF DF50 AC98A02 T 172790013A 10225 SW-846 8082

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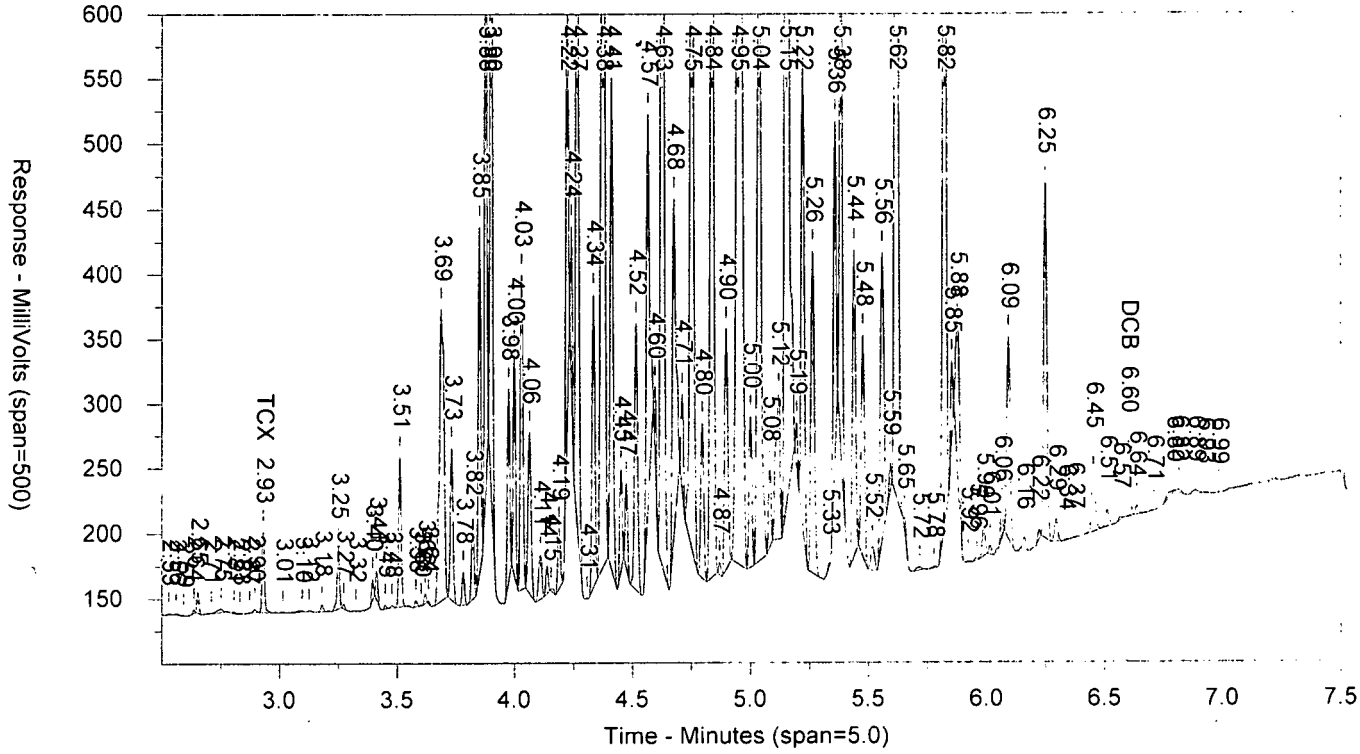

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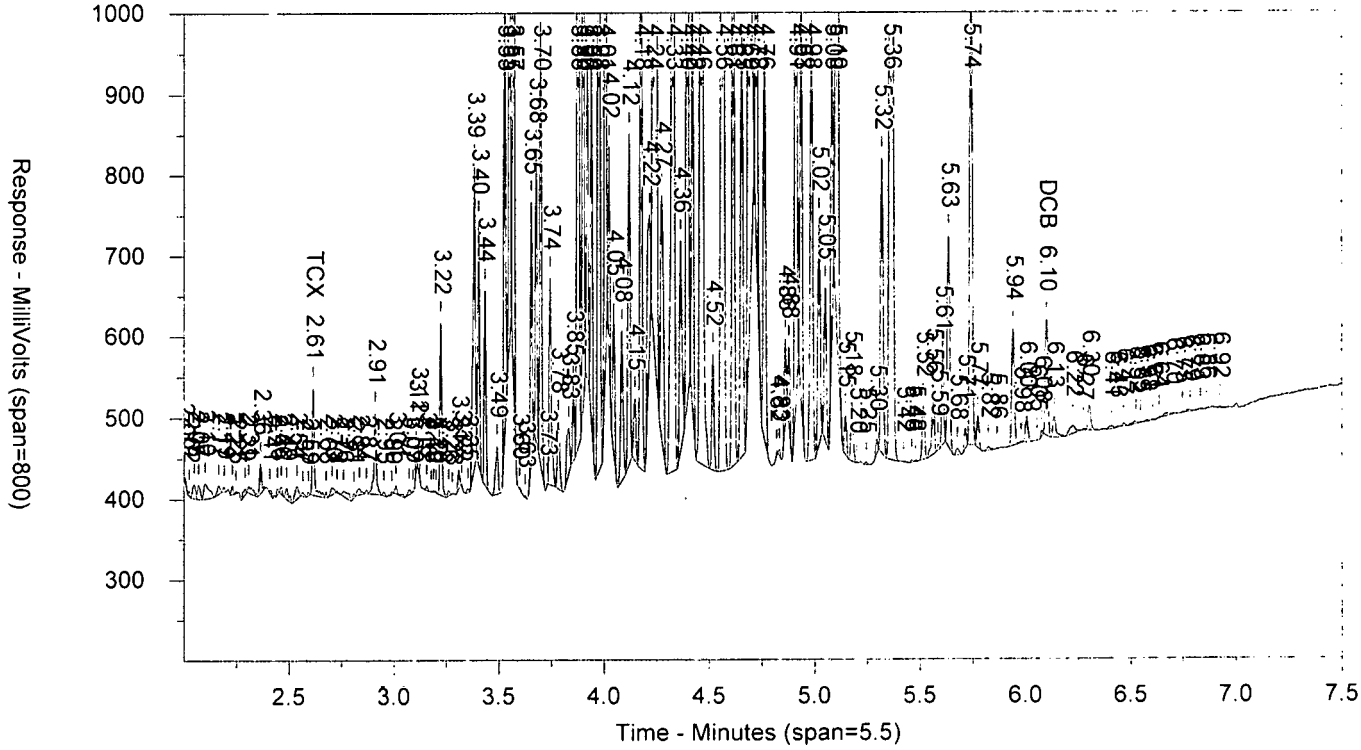

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Data Summary

Sample Name: 9229452 RI ACF DF200 98A03 Sample ID: AD **Batchnumber: 172790013A**
Sample Amount: 10.4 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:28:55
Instrument	18274A
Result file	25PCBS17284003.108.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 92% (61 - 152) Conc: 27.09507
%SSR(DCB) 132% (48 - 164) Conc: 34.49202

Analysis Report (B)

Injected on	Oct 16, 2017 14:28:55
Instrument	18274B
Result file	25PCBS17284003B.108.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 30.98605
%SSR(DCB) 121% (48 - 164) Conc: 31.6368

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	21257	27.09507
Decachlorobiphenyl	6.57	6.60	6.63	17289	34.49202

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	43897	30.98605
Decachlorobiphenyl	6.07	6.10	6.13	49804	31.6368

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.98605				13.40	
☑	Tetrachloro-m-xylene-D1	A	27.09507					
☑	Tetrachloro-m-xylene-D2	B	30.98605					
☐	Decachlorobiphenyl	A	34.49202				8.64	
☑	Decachlorobiphenyl-D1	A	34.49202					
☑	Decachlorobiphenyl-D2	B	31.6368					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**25.95**	
4.55	4.57	4.59	1088080	68909.846738			1
4.61	4.63	4.65	3372674	109080.576116			2
4.82	4.84	4.86	2450099	116009.285294			4
Height summation:			**6910853**				
Concentration		CF:	**97999.902716**	L:			
Aroclor-1260						**10.86**	
5.36	5.38	5.40	422599.7	23339.22956			4
5.60	5.62	5.64	1180121	26115.302298			5
5.80	5.82	5.84	827631.4	29017.644018			6
Height summation:			**2430352.1**				
Concentration		CF:	**26157.391959**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**6.12**	
4.22	4.24	4.26	7457648	111227.068704			1
4.31	4.33	4.35	4029641	123975.006863			2
4.38	4.40	4.42	4912978	123863.31125			3
Height summation:			**16400267**				
Concentration		CF:	**119688.462272**	L:			
Aroclor-1260						**13.98**	
4.89	4.91	4.93	878662.8	22349.114609			4
5.09	5.10	5.13	2468898	27729.617024			5
5.34	5.36	5.38	1936655	29455.466025			6
Height summation:			**5284215.8**				
Concentration		CF:	**26511.399219**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:03

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Data Summary

Sample Name: 9229452 RI ACF DF200 98A03 Sample ID: AD **Batchnumber: 172790013A**
Sample Amount: 10.4 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:28:55
Instrument	18274A
Result file	25PCBS17284003.108.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 14:28:55
Instrument	18274B
Result file	25PCBS17284003B.108.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			<9807.6926	<1903.8462	D1		4	
☑ PCB-1221			<9807.6926	<2942.3078	D1		3	
☑ PCB-1232			<9807.6926	<2365.3847	D1		4	
☑ PCB-1242			<9807.6926	<2365.3847	D1		4	
☑ PCB-1248			<9807.6926	<1903.8462	D1		4	
☑ PCB-1254	B	119688.462272	9807.6926	2538.4616	D2	19.93	4	
☑ PCB-1260	B	26511.399219	9807.6926	2250.0001	D2	1.34	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:03

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229452** RI ACF DF200 98A03 ID: AD **Batchnumber: 172790013A**
Sample Amount: 10.4 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274A
Result file : 25PCBS17284003.108.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 92% (61-152) Conc.: 27.09507
%SSR(DCB) : 132% (48-164) Conc.: 34.49202

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	90.30	
3.16	3.18	3.20	26292.68	1915.748128			1
+ 3.38	3.40	3.42	67320.13	5303.045503			2
3.38	3.41	3.42	96333.29	7588.515059			2
3.49	3.51	3.53	475717	29252.974396			3
3.71	3.74	3.75	461057.3	24837.326317			4
3.76	3.78	3.80	116149.6	7237.054826			5
3.96	3.98	4.00	540270.8	50019.755998			6
Height Summation:			**1715820.67**				
Amount Avg CF:			**20141.895787**	Linear:			
Aroclor-1221					3	38.82	
3.06	3.08	3.10	5292.521	903.477188			1
3.11	3.13	3.15	4413.427	855.787748			2
3.16	3.18	3.20	26292.68	1640.555442			3
Height Summation:			**35998.628**				
Amount Avg CF:			**1133.273459**	Linear:			
Aroclor-1232					6	95.36	
3.16	3.18	3.20	26292.68	1873.528194			1
+ 3.38	3.40	3.42	67320.13	12870.597769			2
3.38	3.41	3.42	96333.29	18417.478209			2
E 3.49	3.51	3.53	475717	67350.129973			3
E 3.70	3.74	3.74	461057.3	53691.348659			4
3.76	3.78	3.80	116149.6	18324.298773			5
E 3.95	3.98	3.99	540270.8	125204.158811			6
Height Summation:			**1715820.67**				
Amount Avg CF:			**47476.82377**	Linear:			
Aroclor-1242					6	91.99	
3.16	3.18	3.20	26292.68	1387.139944			1
+ 3.37	3.40	3.41	67320.13	4194.038446			2
3.37	3.41	3.41	96333.29	6001.555878			2
3.49	3.51	3.53	475717	22096.419625			3
3.70	3.74	3.74	461057.3	17240.481483			4
3.76	3.78	3.80	116149.6	5660.589955			5
E 3.95	3.98	3.99	540270.8	38882.176679			6
Height Summation:			**1715820.67**				
Amount Avg CF:			**15211.393927**	Linear:			
Aroclor-1248					6	66.21	
3.71	3.74	3.75	461057.3	45511.635602			1
3.76	3.78	3.80	116149.6	13248.007496			2
3.83	3.85	3.87	1017436	76757.693124			3
3.98	4.00	4.02	550704.9	133905.278221			4
4.04	4.06	4.08	454824.2	35032.917423			5
4.22	4.22	4.26	1155862	92942.728269			6
+ 4.22	4.24	4.26	485692.5	39054.477135			6
Height Summation:			**3756034**				
Amount Avg CF:			**66233.043356**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274B
Result file : 25PCBS17284003B.108.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 105% (61-152) Conc.: 30.98605
%SSR(DCB) : 121% (48-164) Conc.: 31.6368

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	130.30	
2.88	2.90	2.92	54788.62	2202.898735			1
3.21	3.23	3.25	897629.5	29805.873836			2
3.40	3.41	3.44	1068534	36147.196087			3
+ 3.40	3.44	3.44	889030.2	30074.802455			3
3.47	3.49	3.51	241794.6	7438.72987			4
+ 3.53	3.55	3.57	3842344	142089.380853			5
E 3.53	3.57	3.57	4884454	180626.472972			5
3.64	3.66	3.68	1298769	47560.141703			6
Height Summation:			**8445969.72**				
Amount Avg CF:			**50630.218867**	Linear:			
Aroclor-1221					3	26.18	
2.77	2.79	2.81	13235.75	1106.910808			1
2.83	2.85	2.87	10411.04	1440.721052			2
2.88	2.90	2.92	54788.62	1876.814355			3
Height Summation:			**78435.41**				
Amount Avg CF:			**1474.815405**	Linear:			
Aroclor-1232					6	144.18	
2.88	2.90	2.92	54788.62	2067.320092			1
E 3.21	3.23	3.25	897629.5	67351.540302			2
E 3.40	3.41	3.44	1068534	81240.288934			3
E+ 3.40	3.44	3.44	889030.2	67592.673999			3
3.47	3.49	3.51	241794.6	17843.81115			4
E+ 3.53	3.55	3.57	3842344	416327.209136			5
E 3.53	3.57	3.57	4884454	529242.332798			5
E 3.63	3.66	3.67	1298769	122872.853346			6
Height Summation:			**8445969.72**				
Amount Avg CF:			**136769.691104**	Linear:			
Aroclor-1242					6	142.67	
2.88	2.90	2.92	54788.62	1682.385086			1
3.21	3.23	3.25	897629.5	22895.588122			2
3.40	3.41	3.44	1068534	24730.050636			3
+ 3.40	3.44	3.44	889030.2	20575.631531			3
3.47	3.49	3.51	241794.6	5660.250948			4
E+ 3.53	3.55	3.57	3842344	127442.399667			5
E 3.53	3.57	3.57	4884454	162006.977726			5
3.63	3.66	3.67	1298769	35705.511899			6
Height Summation:			**8445969.72**				
Amount Avg CF:			**42113.460736**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229452** RI ACF DF200 98A03 ID: AD **Batchnumber: 172790013A**
Sample Amount: 10.4 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274A
Result file : 25PCBS17284003.108.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	24.08	
4.55	4.57	4.59	1088080	68909.846738			1
4.61	4.63	4.65	3372674	109080.576116			2
+ 4.73	4.73	4.77	43077.21	4336.178602			3
4.73	4.75	4.77	1315660	132435.14933			3
4.82	4.84	4.86	2450099	116009.285294			4
5.02	5.04	5.06	1374322	89326.804126			5
5.13	5.15	5.17	2982224	138201.414141			6
Height Summation:			**12583059**				
Amount Avg CF:			**108993.845957**	Linear:			
Aroclor-1260					6	55.04	
+ 4.73	4.73	4.77	43077.21	1773.232732			1
4.73	4.75	4.77	1315660	54157.90335			1
4.93	4.95	4.97	1978124	70435.880179			2
5.13	5.15	5.17	2982224	87576.605383			3
5.36	5.38	5.40	422599.7	23339.22956			4
5.60	5.62	5.64	1180121	26115.302298			5
5.80	5.82	5.84	827631.4	29017.644018			6
Height Summation:			**8706360.1**				
Amount Avg CF:			**48440.427465**	Linear:			
Aroclor-1262					6	40.58	
5.20	5.22	5.24	382280.6	13482.552951			1
5.36	5.38	5.40	422599.7	17099.941062			2
5.60	5.62	5.64	1180121	21100.515862			3
5.80	5.82	5.84	827631.4	22459.640519			4
5.86	5.88	5.90	97053.23	5568.743701			5
6.23	6.25	6.27	262410.4	12445.884861			6
Height Summation:			**3172096.33**				
Amount Avg CF:			**15359.546492**	Linear:			
Aroclor-1268					6	101.56	
5.80	5.82	5.84	827631.4	13037.831928			1
5.86	5.88	5.90	97053.23	1696.733255			2
5.99	6.01	6.03	5188.634	97.514336			3
+ 6.06	6.06	6.10	28186.49	1902.430514			4
6.06	6.09	6.10	242451.3	16364.10746			4
6.23	6.25	6.27	262410.4	11364.273817			5
6.43	6.45	6.47	56686.42	320.637825			6
Height Summation:			**1491421.384**				
Amount Avg CF:			**7146.84977**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274B
Result file : 25PCBS17284003B.108.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	63.36	
3.40	3.41	3.44	1068534	71441.199492			1
+ 3.40	3.44	3.44	889030.2	59439.740685			1
3.47	3.49	3.51	241794.6	13439.037844			2
3.51	3.53	3.55	2242284	76020.864409			3
3.64	3.66	3.68	1298769	35956.32557			4
+ 3.73	3.73	3.77	16894.15	674.608254			5
3.73	3.74	3.77	966645.3	38599.568389			5
3.86	3.88	3.90	5206521	118224.5928			6
Height Summation:			**11024547.9**				
Amount Avg CF:			**58946.931417**	Linear:			
Aroclor-1254					6	21.18	
4.22	4.24	4.26	7457648	111227.068704			1
4.31	4.33	4.35	4029641	123975.006863			2
4.38	4.40	4.42	4912978	123863.31125			3
4.44	4.46	4.48	4425818	174739.137391			4
4.59	4.61	4.63	2746976	95298.156333			5
4.67	4.69	4.71	6027960	137775.726971			6
Height Summation:			**29601021**				
Amount Avg CF:			**127813.067919**	Linear:			
Aroclor-1260					6	48.97	
4.31	4.33	4.35	4029641	70878.409521			1
4.44	4.46	4.48	4425818	72571.936176			2
4.55	4.56	4.59	2744707	54207.503332			3
4.89	4.91	4.93	878662.8	22349.114609			4
5.09	5.10	5.13	2468898	27729.617024			5
5.34	5.36	5.38	1936655	29455.466025			6
Height Summation:			**16484381.8**				
Amount Avg CF:			**46198.674448**	Linear:			
Aroclor-1262					6	45.14	
4.70	4.72	4.74	478213.5	7848.396622			1
4.89	4.91	4.93	878662.8	15248.366164			2
5.08	5.10	5.12	2468898	20541.559711			3
5.30	5.32	5.34	383893.1	8049.702787			4
5.34	5.36	5.38	1936655	23719.044806			5
5.72	5.74	5.76	648884.1	11791.741888			6
Height Summation:			**6795206.5**				
Amount Avg CF:			**14533.13533**	Linear:			
Aroclor-1268					6	123.46	
5.30	5.32	5.34	383893.1	2702.790616			1
5.35	5.36	5.39	1936655	13431.006347			2
5.50	5.52	5.54	136117.3	1035.738062			3
5.57	5.59	5.61	5021.221	139.99279			4
5.72	5.74	5.76	648884.1	11241.167476			5
5.92	5.94	5.96	165232.9	314.97673			6
Height Summation:			**3275803.621**				
Amount Avg CF:			**4810.945337**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229452** RI ACF DF200 98A03 ID: AD **Batchnumber: 172790013A**
Sample Amount: 10.4 g Total Volume: 2000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274A
Result file : 25PCBS17284003.108.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 14:28:55
Instrument : CP25--18274B
Result file : 25PCBS17284003B.108.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			9807.6926	1903.8462		** 86.16	4	40	
Aroclor-1221			9807.6926	2942.3078		26.19	3	5	
Aroclor-1232			9807.6926	2365.3847	E	** 96.93	4	10	
Aroclor-1242			9807.6926	2365.3847	E	** 93.86	4	30	
Aroclor-1248			9807.6926	1903.8462		11.64	4	40	
Aroclor-1254			9807.6926	2538.4616		15.89	4	40	
Aroclor-1260			9807.6926	2250.0001		4.74	4	40	
Aroclor-1262			9807.6926	1903.8462		5.53	4	40	
Aroclor-1268			9807.6926	1903.8462		39.07	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:28:55 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: 25pcbs17284003.108.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.005		554	359
2.047		22344	30813
2.083		8576	12914
2.138		1339	835
2.167		1305	1544
2.205		72586	55342
2.301		362	197
2.33		22475	15884
2.367		1827	1264
2.387		1584	2131
2.49		6653	6033
2.533		2240	1723
2.562		575	532
2.586		1409	928
2.636		2741	1336
2.653		24936	15538
2.708		1114	845
2.751		1784	3021
2.778		25742	23295
2.848		578	435
2.873		500	280
2.895		5138	4340
2.93	TCX	21257	15526
2.966		952	394
3.007		319	96
3.02		652	312
3.038		1462	925
3.079		5293	5715
3.134		4413	3202
3.181		26293	18660
3.25		16309	11023
3.274		18398	11780
3.32		687	787
3.366		335	359
3.396		67320	36519
3.413		96333	59857
3.45		13187	8549
3.478		3991	2367
3.513		475717	356983
3.549		2023	965
3.581		23351	17990
3.603		992	328
3.621		26787	15378
3.636		9693	4753
3.692		934729	1259371
3.736		461057	367828
3.784		116150	86094
3.824		206703	160358
3.853		1017436	736075
3.88		1691617	1112506
3.903		2167532	1509287
3.976		540271	393735
4.001		550705	395476
4.032		791985	611747

RT A	Compound A	Height A	Area A
4.065		454824	410424
4.111		144940	142626
4.139		83302	76959
4.19		169516	131185
4.225		1155862	810526
4.242		485693	253208
4.267		1753991	1508237
4.306		2446	1151
4.336		678634	574477
4.377		2247897	2564618
4.413		1210183	1000439
4.453		226061	170822
4.474		186693	133994
4.516		642935	612689
4.566		1088081	976585
4.596		190279	118626
4.627		3372674	2937500
4.676		435830	458171
4.711		208592	138522
4.733		43077	21537
4.752		1315660	1187238
4.797		358706	321508
4.838		2450099	2300028
4.87		22841	13351
4.899		386963	403294
4.949		1978125	2632648
5.001		126312	104694
5.036		1374322	1500777
5.083		179228	133515
5.108		41914	29441
5.12		120780	80884
5.154		2982224	2629598
5.176		85558	44892
5.196		85289	46429
5.222		382281	331760
5.264		279726	300143
5.334		6107	3715
5.359		610227	497574
5.383		422600	331415
5.439		268348	246720
5.477		238159	244104
5.518		23153	25859
5.558		512182	481140
5.593		81523	65652
5.619		1180121	1086203
5.654		21276	15427
5.717		3911	6842
5.781		4124	4279
5.822		827631	793930
5.853		78098	55277
5.879		97053	99512
5.922		2177	2135
5.957		2899	2733
5.988		54197	49572
6.014		5189	3603
6.044		6235	4369
6.064		28186	20560
6.092		242451	230590
6.159		29567	30318
6.196		2383	1753
6.221		27039	20600
6.249		262410	247827
6.295		16825	16745
6.353		479	723
6.377		489	248
6.388		463	265

RT A	Compound A	Height A	Area A
6.452		56686	59901
6.512		12408	14194
6.567		8902	8065
6.602	DCB	17289	17352
6.637		23614	22613
6.71		916	588
6.74		527	323
6.764		2869	2724
6.827		1878	2881
6.887		3304	5345
6.929		1013	829
6.968		626	199
6.989		723	286

LANCASTER LABORATORIES

Sample Number: 9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:28:55 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: 25pcbs17284003B.108.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.045		6836	7567
2.071		8301	8338
2.101		8821	15100
2.159		8195	7491
2.191		3898	3267
2.208		4813	2840
2.23		9124	14255
2.291		4656	5319
2.31		7808	9711
2.364		56854	40887
2.411		6560	4411
2.444		4135	2559
2.464		4360	2760
2.489		8855	10911
2.532		4818	3329
2.547		47298	36839
2.594		4927	3195
2.614	TCX	43897	27104
2.659		9034	7044
2.676		4337	2022
2.704		7822	13001
2.758		2346	2230
2.786		13236	7309
2.807		4761	2573
2.846		10411	13311
2.868		2484	1426
2.898		54789	62619
2.988		2861	1674
3.009		44428	28832
3.07		2588	1088
3.078		508	88
3.089		986	124
3.105		84550	38725
3.116		160193	73038
3.156		31030	17382
3.179		8705	5636
3.203		11185	5522
3.225		897630	567296
3.264		11988	7572
3.296		491	78
3.312		81442	49959
3.325		18653	7402
3.353		9772	5117
3.385		1666493	1215613
3.405		1068534	609037
3.435		889030	546092
3.493		241795	205513
3.529		2242284	1372182
3.551		3842345	1979839
3.57		4884454	2732921
3.595		4779	2903
3.627		2467	1193
3.655		1298769	732190
3.679		1197195	670828

RT B	Compound B	Height B	Area B
3.699		1768346	1132389
3.729		16894	6812
3.745		966645	679720
3.783		302556	240704
3.833		212829	201257
3.855		435325	249893
3.877		5206521	3343845
3.902		3074191	1730373
3.921		1421778	764117
3.941		1410794	842576
3.976		5399665	3680152
4.007		2798900	1717382
4.024		922124	460478
4.046		585707	349315
4.085		563849	449885
4.119		1523663	995321
4.14		85413	46069
4.176		2747774	2005409
4.209		801549	625882
4.236		7457648	5754802
4.274		653828	565512
4.327		4029641	3538062
4.363		828325	660777
4.396		4912979	3296732
4.42		1101582	739441
4.463		4425819	3717384
4.518		5475	4931
4.563		2744707	2702412
4.613		2746976	2144704
4.654		1063821	896025
4.692		6027960	5175396
4.723		478214	357886
4.762		586395	416178
4.821		52050	66534
4.861		86171	47970
4.878		248235	163317
4.911		878663	628308
4.935		1450749	1015785
4.985		689174	602427
5.021		352929	283755
5.05		231189	177167
5.082		1121030	753978
5.104		2468898	1870047
5.146		51133	34404
5.177		88133	73111
5.22		3401	2113
5.24		5199	5693
5.296		13786	8802
5.319		383893	329154
5.362		1936655	2021355
5.461		6326	4433
5.483		2636	1428
5.516		136117	113223
5.548		8589	5403
5.563		76599	55211
5.586		5021	2411
5.608		313715	232815
5.634		281189	221176
5.679		17379	16272
5.715		83475	58933
5.742		648884	533235
5.773		40910	31589
5.821		6683	6425
5.888		1609	3057
5.94		165233	136278
5.977		2331	1671

RT B	Compound B	Height B	Area B
6.004		25248	22150
6.076		25557	18071
6.099	DCB	49804	38621
6.135		71618	66665
6.227		14485	24598
6.273		3692	2550
6.304		10780	11088
6.368		1761	1195
6.405		2910	3616
6.435		1280	821
6.465		2610	1604
6.523		2729	3977
6.579		1257	1040
6.589		844	313
6.637		1918	1562
6.668		2512	2071
6.709		1560	2792
6.763		1390	1212
6.869		942	1868
6.888		1145	1008
6.94		1668	1126

9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082

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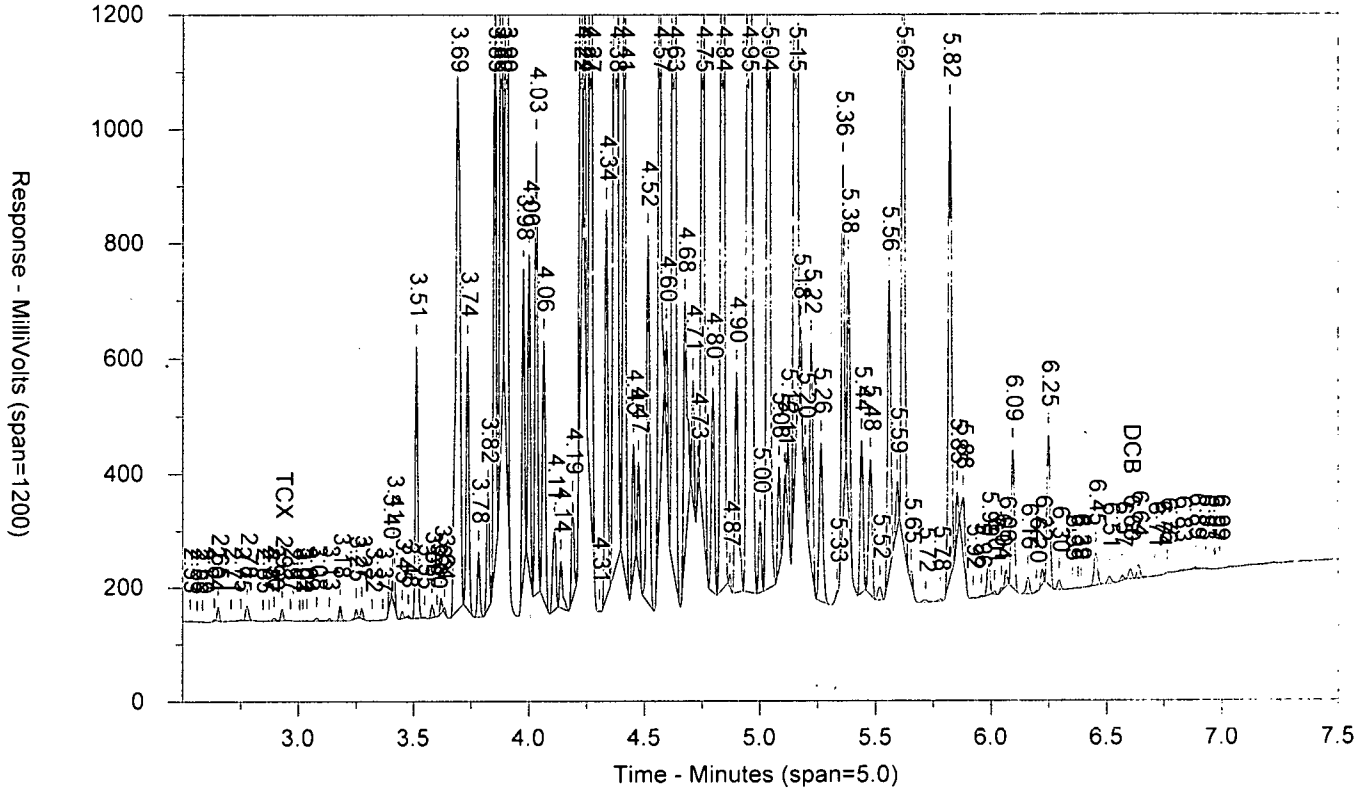

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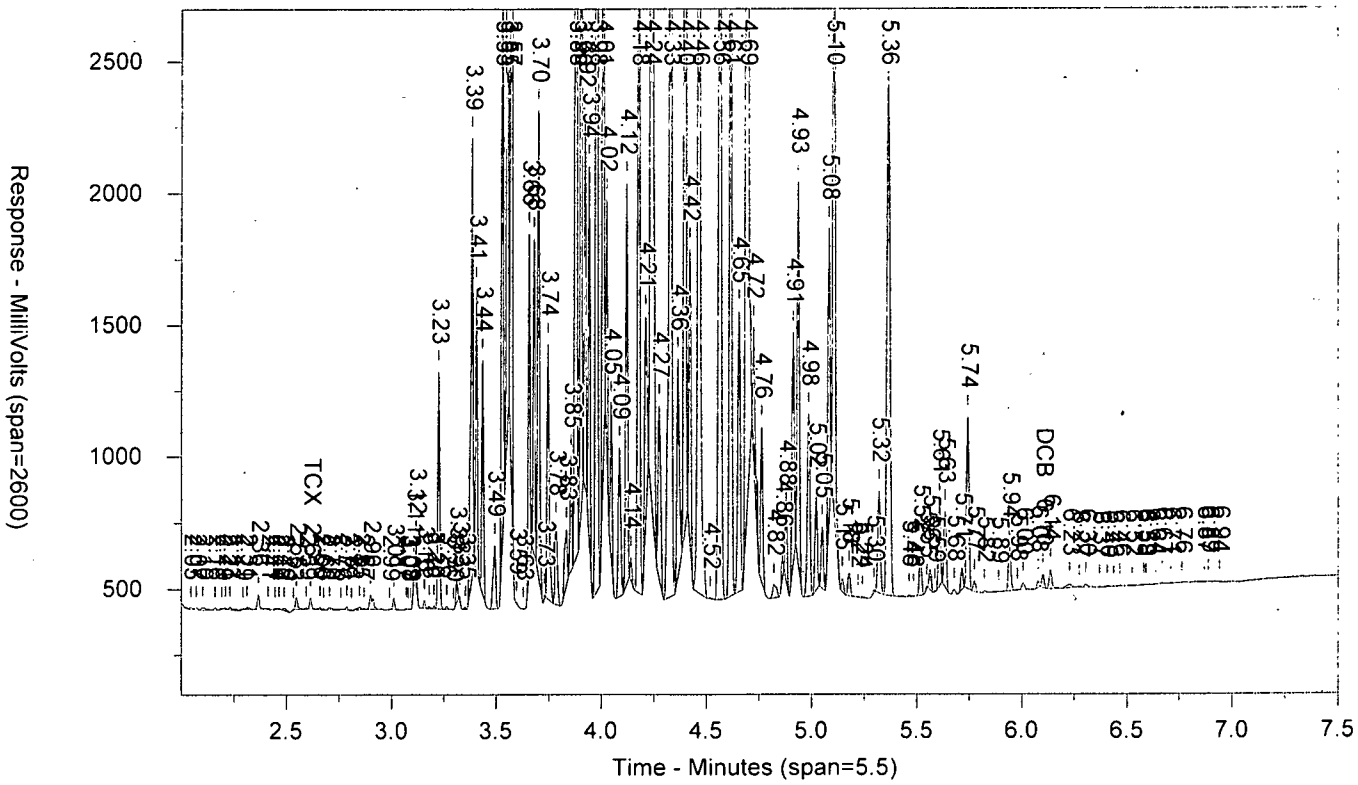

LANCASTER LABORATORIES

Sample Number: 9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:28:55 PM Sample Weight: 10.4
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
2.93	21257	27.095	TCX	2.614	43897	30.986	TCX
6.602	17289	34.492	DCB	6.099	49804	31.637	DCB

Files:
Area File: 25pcbs17284003.108.RAW
Area File: 25pcbs17284003B.108.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: 10/16/2017 2:37:25 PM
File Reported On: 10/16/2017 at 2:37:39 PM

9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082

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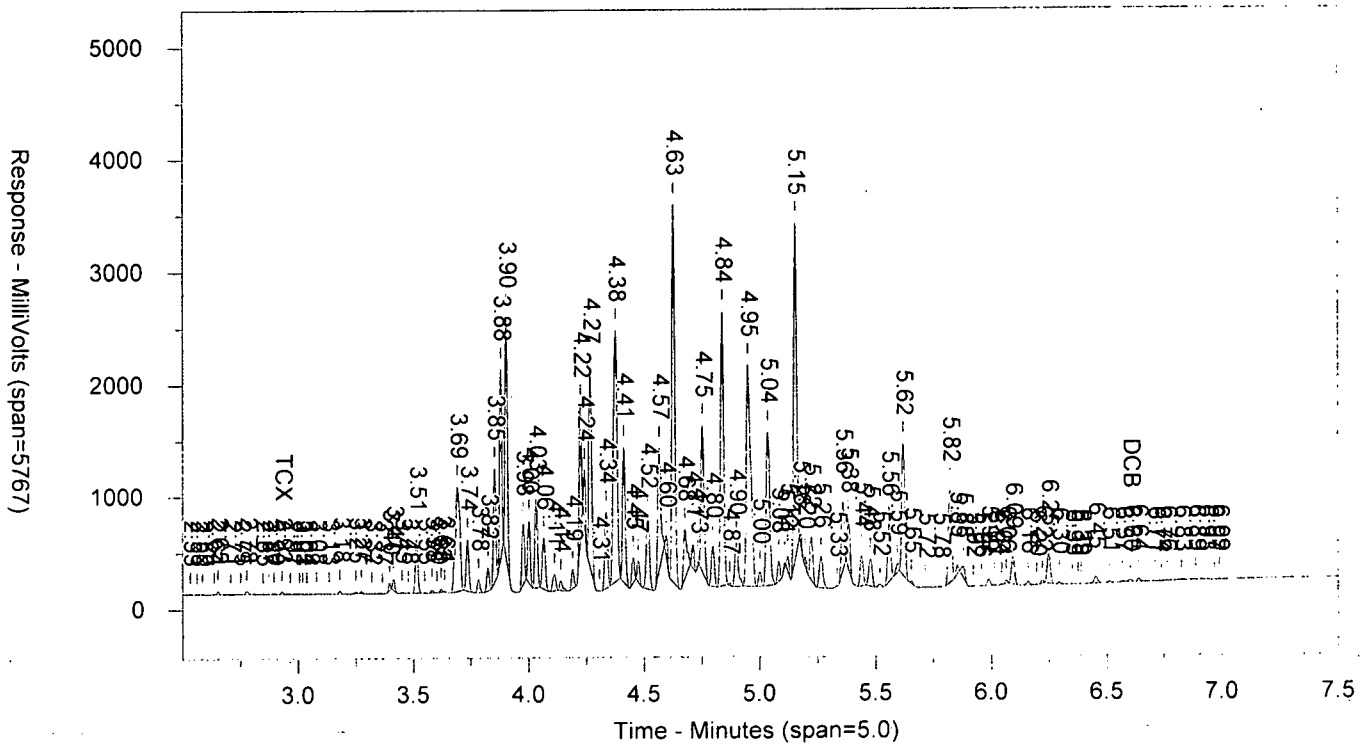

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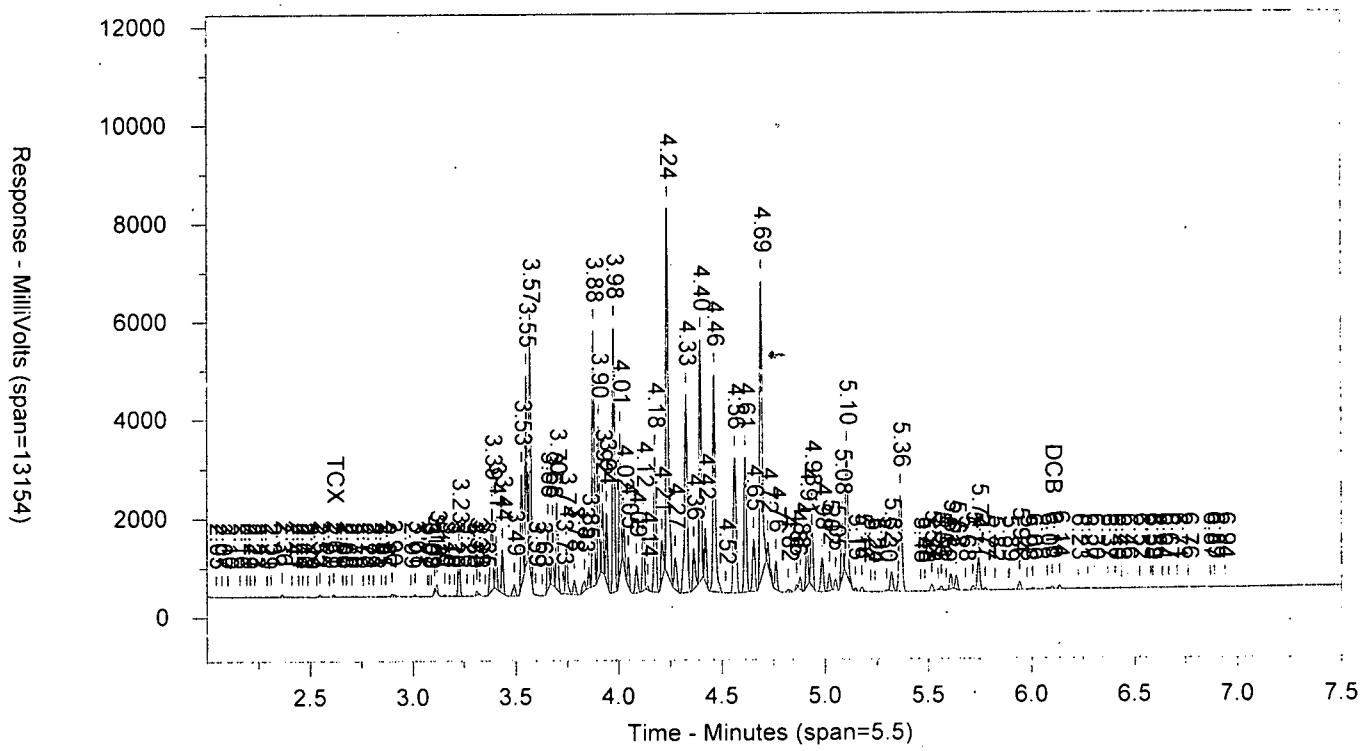

9229452 RI ACF DF200AD98A03 T 172790013A 10225 SW-846 8082

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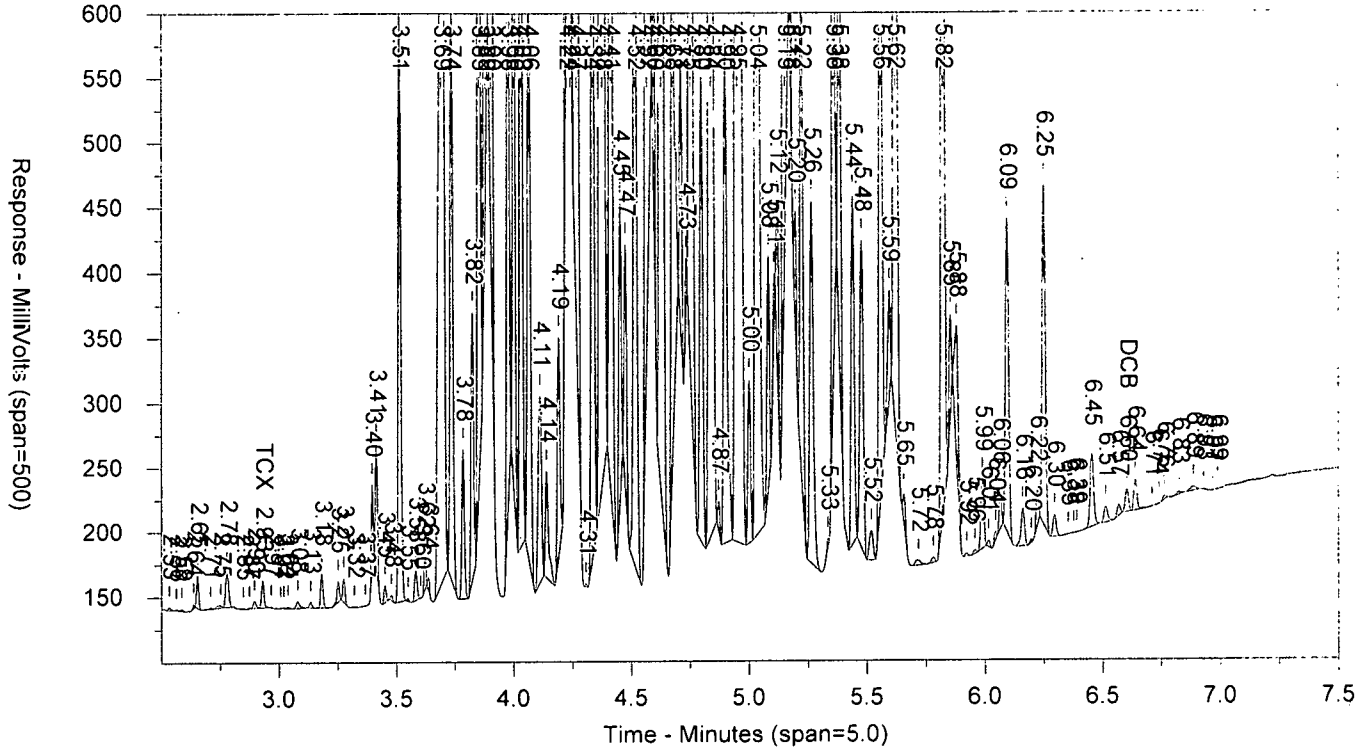

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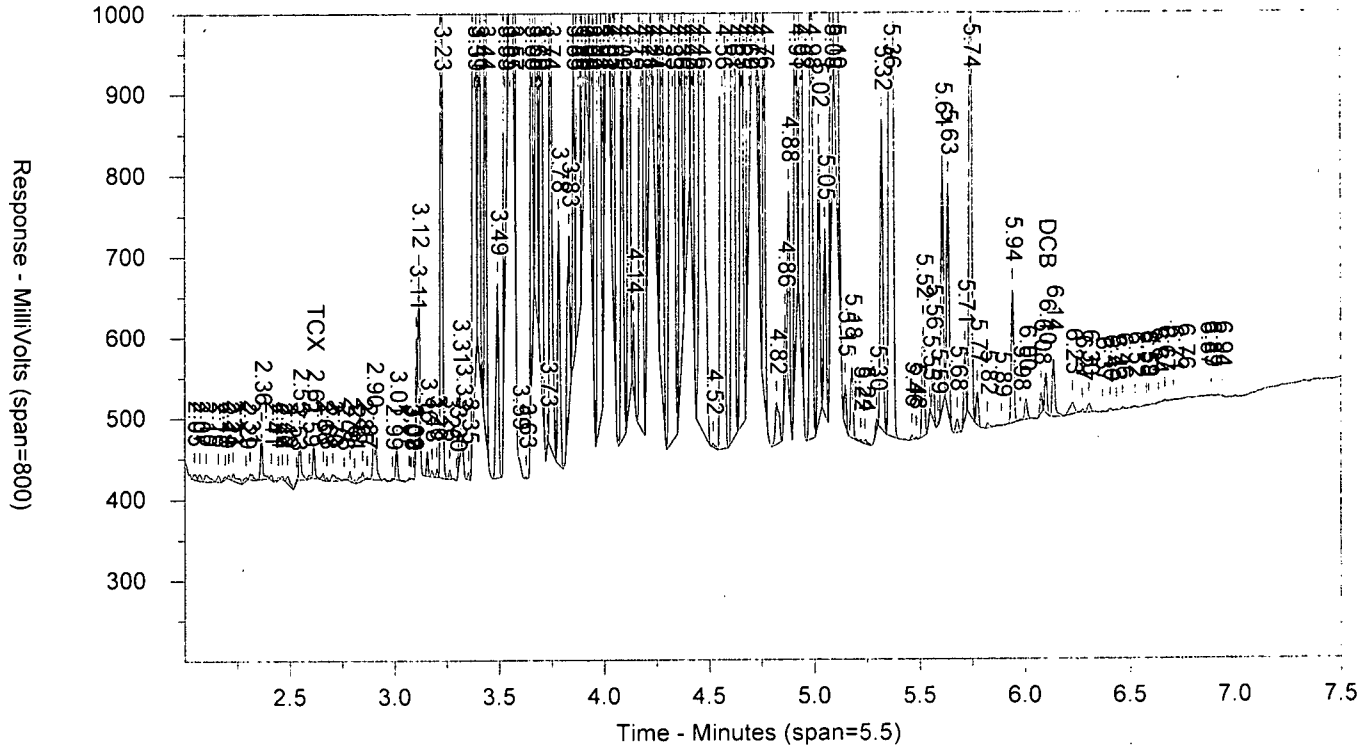


eurofins
Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229453R ACF DF100 98A04 Sample ID: AC **Batchnumber: 172990022A**
Sample Amount: 10.3 g Total Volume: 1000 ml Analyst: 2855 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Oct 30, 2017 05:45:20
Instrument 18274A
Result file 25PCBS17289010.075.RAW
Calibration file 25PCBS1728901
Method file 25PCBS

%SSR(TCX) 114% (61 - 152) Conc: 33.79248
%SSR(DCB) 139% (48 - 164) Conc: 36.61759

Analysis Report (B)

Injected on Oct 30, 2017 05:45:20
Instrument 18274B
Result file 25PCBS17289010B.075.RAW
Calibration file 25PCBS1728901B
Method file 25PCBSB

%SSR(TCX) 112% (61 - 152) Conc: 33.12334
%SSR(DCB) 133% (48 - 164) Conc: 35.16117

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	51056	33.79248
Decachlorobiphenyl	6.56	6.60	6.62	43092	36.61759

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	90772	33.12334
Decachlorobiphenyl	6.07	6.10	6.13	134083	35.16117

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	33.79248				2.00	
✓	Tetrachloro-m-xylene-D1	A	33.79248					
✓	Tetrachloro-m-xylene-D2	B	33.12334					
☐	Decachlorobiphenyl	A	36.61759				4.06	
✓	Decachlorobiphenyl-D1	A	36.61759					
✓	Decachlorobiphenyl-D2	B	35.16117					

Multiple Component Data

Aroclor-1260 (%RSD 25.61)

Min	RT	Max	Height	Amount	Pks	Peak
4.73	4.75	4.77	1525772	28699.4755		1
4.93	4.95	4.97	2422379	37531.685681		2
5.13	5.15	5.17	3430484	42758.50817		3
5.36	5.38	5.40	895990.4	21886.478675		4
5.60	5.62	5.64	2937240	26585.401004		5
5.80	5.82	5.84	1790763	26503.343377		6

Height summation: **13002628.4**
Concentration CF: **30660.815401** L:

Aroclor-1260 (%RSD 28.98)

Min	RT	Max	Height	Amount	Pks	Peak
4.44	4.46	4.48	5664472	38695.516083		1
4.54	4.56	4.58	3373306	30133.162434		2
4.67	4.69	4.71	6802026	50019.296406		3
4.89	4.91	4.93	2012515	22300.591125		4
5.08	5.10	5.12	6329868	28934.603447		5
5.34	5.36	5.38	4699548	30224.95672		6

Height summation: **28881735**
Concentration CF: **33384.687703** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<4951.4565	<961.1651	D1		4	
✓	PCB-1221			<4951.4565	<1485.4369	D1		3	
✓	PCB-1232			<4951.4565	<1194.1748	D1		4	
✓	PCB-1242			<4951.4565	<1194.1748	D1		4	
✓	PCB-1248			<4951.4565	<961.1651	D1		4	
✓	PCB-1254			<4951.4565	<1281.5534	D1		4	
✓	PCB-1260	A	30660.815401	4951.4565	1135.9224	D1	8.51	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 3 1 2017

Reviewed and digitally signed by Jessica L Miller on 10/30/2017 20:21:52

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229453R ACF DF100 98A04 Sample ID: AC **Batchnumber: 172990022A**
Sample Amount: 10.3 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

1260
3005

Analysis Report (A)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274A
Result file : 25PCBS17289010.075.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 114% (61-152) Conc.: 33.79248
%SSR(DCB) : 139% (48-164) Conc.: 36.61759

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**126.18**	
3.16	3.18	3.20	2555.864	104.852599			1
+ 3.37	3.40	3.41	3337.586	138.835903			2
3.37	3.41	3.41	6158.252	256.169122			2
3.49	3.51	3.53	42151.85	1426.989357			3
3.70	3.73	3.74	108179.9	2969.115859			4
3.76	3.78	3.80	13725.63	427.723305			5
3.95	3.97	3.99	148770	6393.480623			6
Height Summation:			**321541.496**				
Amount Avg CF:			**1929.721811**	Linear:			
Aroclor-1221					**3**	**17.70**	
+ 3.06	3.06	3.10	387.815	28.925918			1
3.06	3.08	3.10	1221.185	91.084401			1
+ 3.11	3.11	3.15	622.3084	52.525555			2
3.11	3.13	3.15	1164.721	98.307555			2
3.16	3.18	3.20	2555.864	69.032946			3
Height Summation:			**4941.77**				
Amount Avg CF:			**86.141634**	Linear:			
Aroclor-1232					**6**	**133.37**	
3.16	3.18	3.20	2555.864	87.622538			1
+ 3.38	3.40	3.42	3337.586	302.838762			2
3.38	3.41	3.42	6158.252	558.77434			2
3.49	3.51	3.53	42151.85	3077.890274			3
3.70	3.73	3.74	108179.9	6217.101153			4
3.76	3.78	3.80	13725.63	928.244011			5
3.95	3.97	3.99	148770	15292.79791			6
Height Summation:			**321541.496**				
Amount Avg CF:			**4360.405038**	Linear:			
Aroclor-1242					**6**	**126.19**	
3.16	3.18	3.20	2555.864	126.7098			1
+ 3.38	3.40	3.42	3337.586	176.081007			2
3.38	3.41	3.42	6158.252	324.890869			2
3.49	3.51	3.53	42151.85	1765.096968			3
3.70	3.73	3.74	108179.9	3706.139521			4
3.76	3.78	3.80	13725.63	545.292347			5
3.95	3.97	3.99	148770	7982.187976			6
Height Summation:			**321541.496**				
Amount Avg CF:			**2408.386247**	Linear:			
Aroclor-1248					**6**	**77.97**	
3.71	3.73	3.75	108179.9	6907.978112			1
3.76	3.78	3.80	13725.63	757.932946			2
3.83	3.85	3.87	293349.1	10022.073163			3
3.96	3.97	4.00	148770	4371.664335			4
4.04	4.06	4.08	184554.4	6426.193088			5
4.22	4.22	4.26	545183.6	18719.585739			6
+ 4.22	4.24	4.26	133861.7	4596.315022			6
Height Summation:			**1293762.63**				
Amount Avg CF:			**7867.571231**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274B
Result file : 25PCBS17289010B.075.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 112% (61-152) Conc.: 33.12334
%SSR(DCB) : 133% (48-164) Conc.: 35.16117

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**161.02**	
2.88	2.91	2.92	39940.5	909.022375			1
3.21	3.22	3.25	78149.58	1414.254965			2
+ 3.21	3.24	3.25	1649.813	29.856286			2
3.40	3.40	3.44	306603.5	5077.206528			3
+ 3.40	3.43	3.44	214572.2	3553.212454			3
3.47	3.48	3.51	45517.55	686.609814			4
+ 3.53	3.55	3.57	1336028	27489.850063			5
3.53	3.57	3.57	1589935	32714.19069			5
3.63	3.65	3.67	322117.2	5507.751474			6
Height Summation:			**2382263.33**				
Amount Avg CF:			**7718.172641**	Linear:			
Aroclor-1221					**3**	**96.66**	
2.77	2.78	2.81	4165.824	151.765363			1
2.83	2.85	2.87	1695.455	100.164897			2
2.88	2.91	2.92	39940.5	598.342419			3
Height Summation:			**45801.779**				
Amount Avg CF:			**283.424226**	Linear:			
Aroclor-1232					**6**	**168.17**	
2.88	2.91	2.92	39940.5	763.209823			1
3.21	3.22	3.25	78149.58	2979.877234			2
+ 3.21	3.24	3.25	1649.813	62.908082			2
3.40	3.40	3.44	306603.5	10770.790796			3
+ 3.40	3.43	3.44	214572.2	7537.788306			3
3.47	3.48	3.51	45517.55	1569.793365			4
E+ 3.53	3.55	3.57	1336028	66528.900146			5
E 3.53	3.57	3.57	1589935	79172.462593			5
3.63	3.65	3.67	322117.2	13088.920044			6
Height Summation:			**2382263.33**				
Amount Avg CF:			**18057.508976**	Linear:			
Aroclor-1242					**6**	**161.58**	
2.88	2.91	2.92	39940.5	1129.418851			1
3.21	3.22	3.25	78149.58	1777.914228			2
+ 3.21	3.24	3.25	1649.813	37.533484			2
3.40	3.40	3.44	306603.5	6332.800787			3
+ 3.40	3.43	3.44	214572.2	4431.922652			3
3.47	3.48	3.51	45517.55	851.649532			4
E+ 3.53	3.55	3.57	1336028	34506.905111			5
E 3.53	3.57	3.57	1589935	41064.810151			5
3.63	3.65	3.67	322117.2	6798.885726			6
Height Summation:			**2382263.33**				
Amount Avg CF:			**9659.246546**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229453R ACF DF100 98A04 Sample ID: AC **Batchnumber: 172990022A**
Sample Amount: 10.3 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274A
Result file : 25PCBS17289010.075.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	62.76	
4.54	4.56	4.58	382892.1	10103.218842			1
+ 4.54	4.58	4.58	111409.9	2939.727931			1
4.61	4.62	4.64	2198831	29905.938758			2
4.73	4.75	4.77	1525772	64677.433747			3
4.82	4.83	4.86	1323866	24705.017872			4
5.01	5.04	5.05	940730.1	23662.507955			5
5.13	5.15	5.17	3430484	63487.857142			6
Height Summation:			**9802575.2**				
Amount Avg CF:			**36090.329053**	Linear:			
Aroclor-1260					6	25.61	
+ 4.73	4.73	4.77	48364.43	909.725551			1
4.73	4.75	4.77	1525772	28699.4755			1
4.93	4.95	4.97	2422379	37531.685681			2
5.13	5.15	5.17	3430484	42758.50817			3
5.36	5.38	5.40	895990.4	21886.478675			4
5.60	5.62	5.64	2937240	26585.401004			5
5.80	5.82	5.84	1790763	26503.343377			6
Height Summation:			**13002628.4**				
Amount Avg CF:			**30660.815401**	Linear:			
Aroclor-1262					6	35.37	
5.20	5.22	5.24	880525	13574.695867			1
5.36	5.38	5.40	895990.4	16399.27984			2
E 5.60	5.62	5.64	2937240	21102.015036			3
E 5.80	5.82	5.84	1790763	20172.763058			4
5.86	5.88	5.90	282132.5	6541.962887			5
6.23	6.25	6.27	693126.4	13021.343869			6
Height Summation:			**7479777.3**				
Amount Avg CF:			**15135.343426**	Linear:			
Aroclor-1268					6	96.34	
5.80	5.82	5.84	1790763	11418.396748			1
5.86	5.88	5.90	282132.5	2075.188308			2
5.99	6.01	6.03	11438.57	93.60711			3
+ 6.06	6.06	6.10	48872.46	1495.4992			4
6.06	6.09	6.10	351364.8	10751.776713			4
6.23	6.25	6.27	693126.4	12612.697753			5
6.43	6.45	6.47	120580.1	267.687296			6
Height Summation:			**3249405.37**				
Amount Avg CF:			**6203.225655**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274B
Result file : 25PCBS17289010B.075.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	76.86	
3.40	3.40	3.44	306603.5	12335.80285			1
+ 3.40	3.43	3.44	214572.2	8633.04025			1
3.47	3.48	3.51	45517.55	1198.886705			2
3.51	3.53	3.55	656154.2	10069.194701			3
3.63	3.65	3.67	322117.2	3957.999019			4
+ 3.72	3.73	3.76	8839.924	150.190886			5
3.72	3.74	3.76	341391.2	5800.258784			5
+ 3.72	3.75	3.76	19014.25	323.053349			5
3.86	3.88	3.90	2213414	20288.000019			6
Height Summation:			**3885197.65**				
Amount Avg CF:			**8941.690346**	Linear:			
Aroclor-1254					6	58.45	
4.16	4.17	4.19	1376306	14634.871289			1
4.22	4.24	4.26	4715320	28589.566431			2
4.31	4.33	4.35	4258476	55358.302619			3
4.38	4.40	4.41	2483626	23360.904237			4
4.59	4.61	4.63	1351699	17652.244919			5
4.67	4.69	4.71	6802026	59314.764363			6
Height Summation:			**20987453**				
Amount Avg CF:			**33151.775643**	Linear:			
Aroclor-1260					6	28.98	
4.44	4.46	4.48	5664472	38695.516083			1
4.54	4.56	4.58	3373306	30133.162434			2
4.67	4.69	4.71	6802026	50019.296406			3
4.89	4.91	4.93	2012515	22300.591125			4
5.08	5.10	5.12	6329868	28934.603447			5
5.34	5.36	5.38	4699548	30224.95672			6
Height Summation:			**28881735**				
Amount Avg CF:			**33384.687703**	Linear:			
Aroclor-1262					6	38.34	
4.70	4.72	4.74	1598631	11177.384726			1
4.89	4.91	4.93	2012515	14334.757035			2
E 5.09	5.10	5.13	6329868	20792.002381			3
5.30	5.32	5.34	936090.1	7908.438787			4
E 5.35	5.36	5.39	4699548	23630.15714			5
5.72	5.74	5.76	1955944	14258.155836			6
Height Summation:			**17532596.1**				
Amount Avg CF:			**15350.149318**	Linear:			
Aroclor-1268					6	128.83	
5.30	5.32	5.34	936090.1	2516.565879			1
5.35	5.36	5.39	4699548	12880.008283			2
5.50	5.52	5.54	121878.8	366.235247			3
5.57	5.59	5.61	19224.64	229.491023			4
5.72	5.74	5.76	1955944	12250.632159			5
5.92	5.94	5.96	370191.7	254.779114			6
Height Summation:			**8102877.24**				
Amount Avg CF:			**4749.618618**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229453R ACF DF100 98A04 Sample ID: AC **Batchnumber: 172990022A**
Sample Amount: 10.3 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274A
Result file : 25PCBS17289010.075.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 05:45:20
Instrument : CP25--18274B
Result file : 25PCBS17289010B.075.RAW
Calibration file : 25PCBS1728901B.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			4951.456	961.165		** 119.99	4	40	
Aroclor-1221			4951.456	1485.4368		** 106.76	3	5	
Aroclor-1232			4951.456	1194.1747		** 122.20	4	10	
Aroclor-1242			4951.456	1194.1747		** 120.17	4	30	
Aroclor-1248			4951.456	961.165		12.78	4	40	
Aroclor-1254			4951.456	1281.5533		8.49	4	40	
Aroclor-1260			4951.456	1135.9223		8.51	4	40	
Aroclor-1262			4951.456	961.165	E	1.41	4	40	
Aroclor-1268			4951.456	961.165		26.54	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:45:20 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: 25pcbs17289010.075.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.033		935	540
2.082		12327	20669
2.135		1991	1352
2.173		1569	897
2.202		16765	12431
2.27		489	171
2.293		506	368
2.327		14821	10266
2.366		3889	3637
2.394		757	758
2.481		4165	6295
2.536		1828	2710
2.583		531	636
2.65		11837	10292
2.696		503	442
2.75		2331	5962
2.804		681	401
2.853		850	809
2.876		594	410
2.893		1085	841
2.928	TCX	51056	34868
2.993		334	124
3.016		1092	782
3.036		1085	636
3.059		388	246
3.076		1221	774
3.113		622	143
3.126		1165	1030
3.178		2556	2653
3.209		558	190
3.235		759	591
3.248		19450	13418
3.343		356	214
3.396		3338	2133
3.41		6158	3684
3.447		1671	919
3.465		851	555
3.482		2098	1383
3.509		42152	30722
3.581		4548	3784
3.617		1851	825
3.633		5488	3147
3.696		159396	164196
3.732		108180	84846
3.78		13726	10219
3.82		47974	38386
3.85		293349	213675
3.876		564800	382616
3.899		704773	499712
3.947		693	202
3.972		148770	107292
3.997		167143	121267
4.028		353286	270722
4.062		184554	172442

RT A	Compound A	Height A	Area A
4.108		75817	63489
4.135		58593	45535
4.163		1994	801
4.186		69749	53023
4.222		545184	381342
4.239		133862	65355
4.265		991113	890097
4.333		444091	373569
4.374		1232985	1338096
4.409		873869	743782
4.45		175653	127733
4.471		81243	54410
4.513		323289	287934
4.563		382892	257180
4.579		111410	142043
4.624		2198831	1870470
4.674		612320	676147
4.709		105768	63266
4.73		48364	29298
4.75		1525772	1333857
4.795		193967	175435
4.835		1323866	1278409
4.867		15837	9188
4.896		438724	417896
4.947		2422379	2953006
4.998		249248	217253
5.036		940730	1039247
5.081		258388	206482
5.118		223898	260504
5.151		3430484	3477300
5.193		57780	29443
5.219		880525	781079
5.261		575476	586568
5.357		518288	414183
5.38		895990	719951
5.437		508860	470582
5.476		358799	348999
5.517		30829	32111
5.558		482979	478436
5.592		26958	17215
5.617		2937240	2753459
5.653		33796	24456
5.702		5275	6212
5.778		2697	4848
5.821		1790763	1710289
5.852		136297	84839
5.877		282133	303611
5.916		1629	955
5.962		841	1158
5.987		33770	29409
6.012		11439	8876
6.063		48872	37260
6.092		351365	331452
6.13		48801	48915
6.157		10667	7081
6.19		1653	1077
6.22		13893	9491
6.247		693126	655757
6.292		39157	42388
6.343		982	602
6.357		894	338
6.367		991	356
6.386		1009	602
6.408		703	795
6.424		1039	804
6.45		120580	123376

RT A	Compound A	Height A	Area A
6.514		1980	2646
6.538		960	417
6.599	DCB	43092	56668
6.636		11552	10083
6.666		2701	2929
6.717		1583	1252
6.736		1239	345
6.744		1255	286
6.759		1746	876
6.768		1112	385
6.811		1652	403
6.848		1898	2585
6.884		10455	13277
6.943		2052	1340
6.984		1339	672

LANCASTER LABORATORIES

Sample Number: 9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:45:20 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: 25pcbs17289010B.075.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

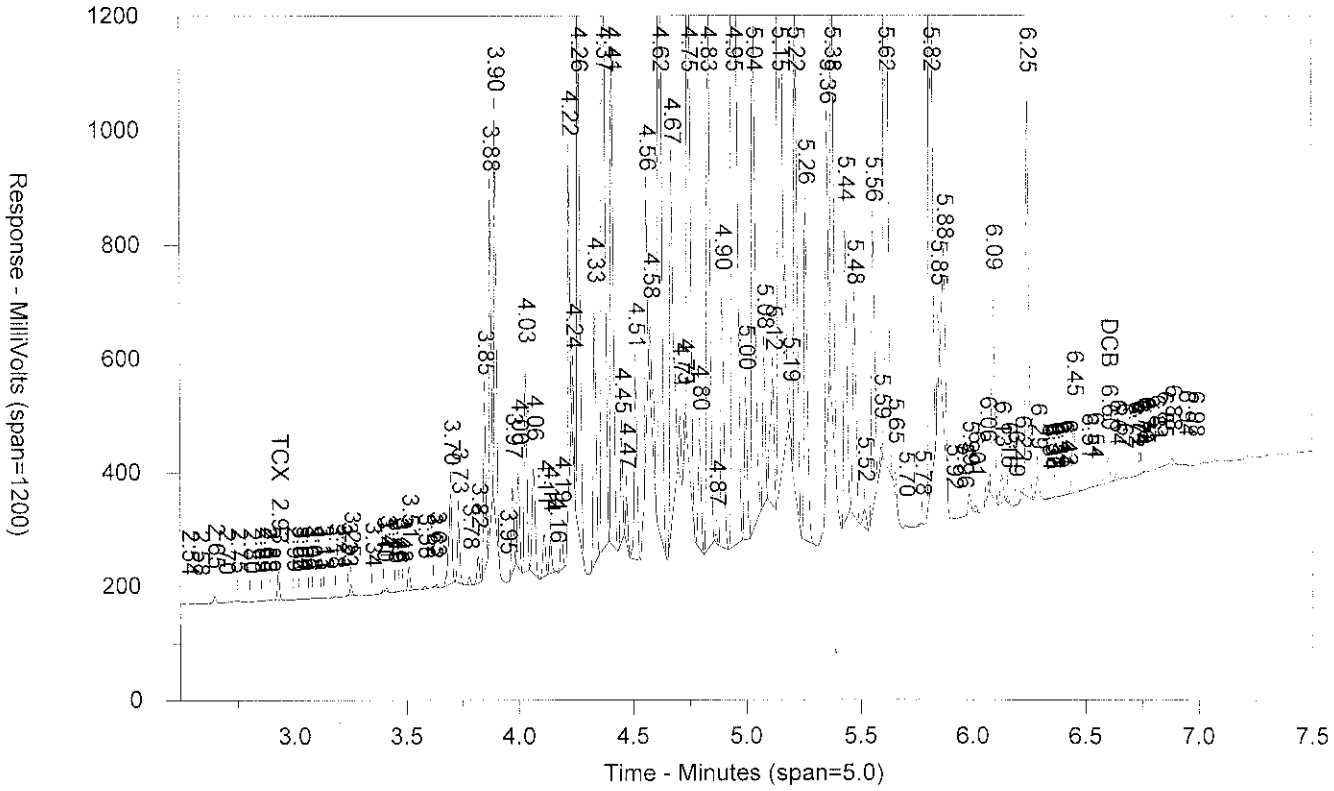
RT B	Compound B	Height B	Area B
2.118		4213	6558
2.153		5109	3871
2.232		6348	8981
2.304		6133	6962
2.363		23270	17900
2.416		2130	3128
2.469		3065	5329
2.595		1388	851
2.613	TCX	90772	55046
2.703		3763	5461
2.785		4166	3113
2.845		1695	1078
2.909		39941	29869
2.955		2258	2300
2.986		1833	1321
3.007		3350	2271
3.034		1505	875
3.055		2195	1479
3.074		1213	481
3.089		623	209
3.105		6077	2495
3.115		12231	6317
3.156		8885	6371
3.175		4050	2811
3.203		3907	2253
3.225		78150	46758
3.245		1650	495
3.264		10016	6675
3.291		611	62
3.312		7102	3851
3.326		11298	5948
3.384		104063	72787
3.404		306604	178111
3.434		214572	128489
3.466		946	130
3.483		45518	46450
3.527		656154	396251
3.55		1336028	703203
3.568		1589935	895835
3.61		1171	118
3.616		776	184
3.623		940	173
3.654		322117	182255
3.676		369136	196560
3.697		786424	541163
3.727		8840	3488
3.742		341391	185014
3.755		19014	7375
3.781		181452	127728
3.823		166591	108672
3.854		32249	23608
3.875		2213414	1444258
3.9		1108614	637826
3.92		1221714	685802

RT B	Compound B	Height B	Area B
3.939		966684	572604
3.975		3098067	2157986
4.005		1940569	1247330
4.023		339104	159226
4.045		484918	317733
4.085		285540	241053
4.119		681108	447886
4.142		189088	199090
4.175		1376306	944891
4.215		398852	407918
4.235		4715320	4143682
4.272		670276	595236
4.326		4258476	3678212
4.363		451076	396005
4.395		2483626	1675116
4.419		1241224	859919
4.462		5664473	4358876
4.516		17130	17657
4.563		3373306	3120582
4.614		1351699	1082290
4.654		1164221	921446
4.691		6802026	5665434
4.723		1598631	1023370
4.761		1271223	958513
4.82		39967	50750
4.86		236162	150211
4.877		190484	117584
4.91		2012515	1472370
4.934		1059719	761692
4.984		1264017	1096651
5.02		668978	530044
5.05		448032	354554
5.083		700984	419350
5.105		6329868	4930612
5.145		113319	77179
5.177		149244	123703
5.22		2217	1312
5.241		50276	41562
5.273		6338	5559
5.296		34869	20491
5.319		936090	773838
5.362		4699548	4712162
5.423		2504	2156
5.464		5103	4403
5.484		1251	570
5.518		121879	101894
5.563		168680	131450
5.586		19225	10255
5.608		199035	140146
5.635		723276	591866
5.677		13362	13927
5.717		58917	40088
5.742		1955944	1503773
5.774		104976	77846
5.874		3801	30396
5.94		370192	309115
5.988		4103	3258
6.032		2627	4256
6.039		5971	6504
6.077		15331	13015
6.099	DCB	134083	105205
6.136		42783	36742
6.23		11836	20955
6.255		1955	472
6.272		9412	12082
6.316		4785	5198

RT B	Compound B	Height B	Area B
6.326		2308	680
6.376		2078	4060
6.386		1861	703
6.412		6525	8080
6.448		1976	2885
6.469		3595	2307
6.5		1939	1224
6.507		5272	4365
6.56		5325	15634
6.577		2469	2220
6.601		2426	1037
6.61		3091	1048
6.633		2622	1843
6.653		1612	1459
6.693		3905	9944
6.707		1324	447
6.729		13408	14029
6.773		4306	10919
6.788		2210	494
6.811		2718	758
6.827		2666	1487
6.864		2214	2523
6.891		11324	60519
6.985		2392	3305

9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289010.075.RAW



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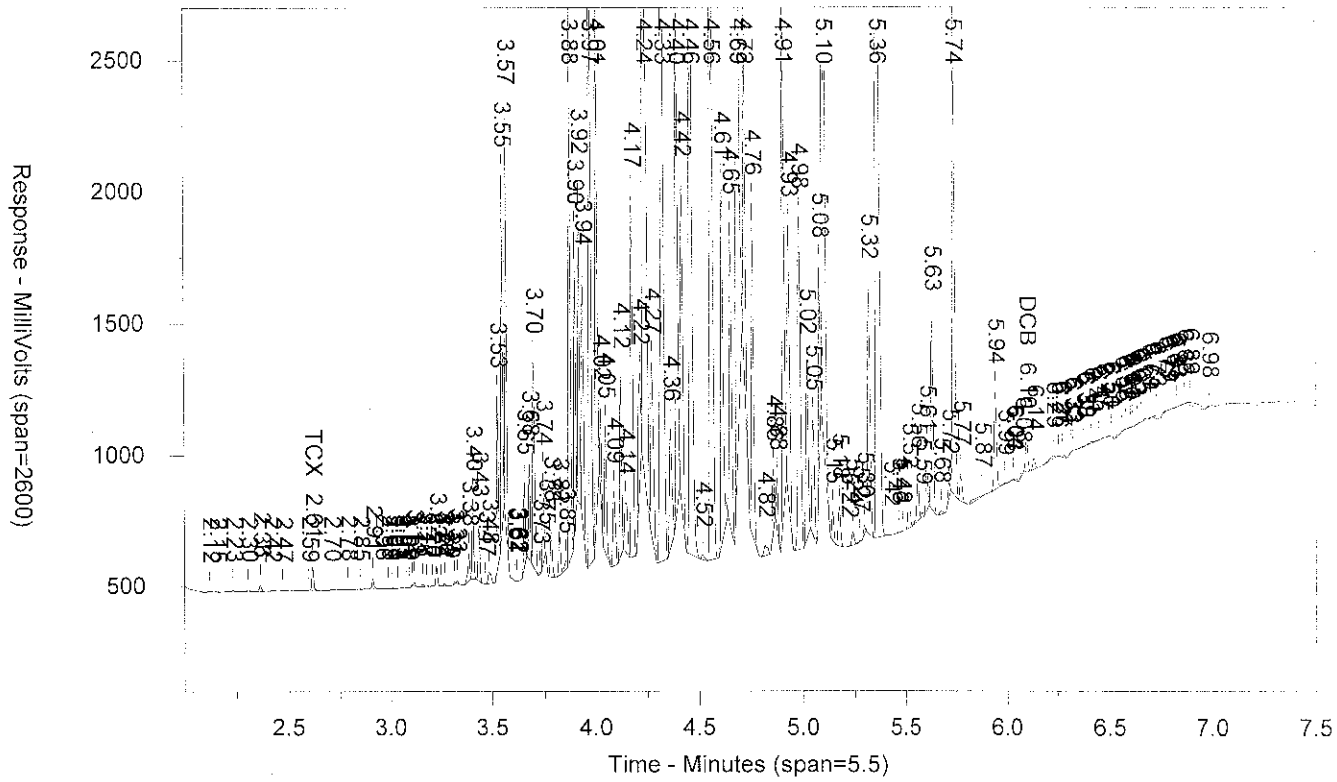


LANCASTER LABORATORIES

Sample Number: 9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:45:20 AM Sample Weight: 10.3
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

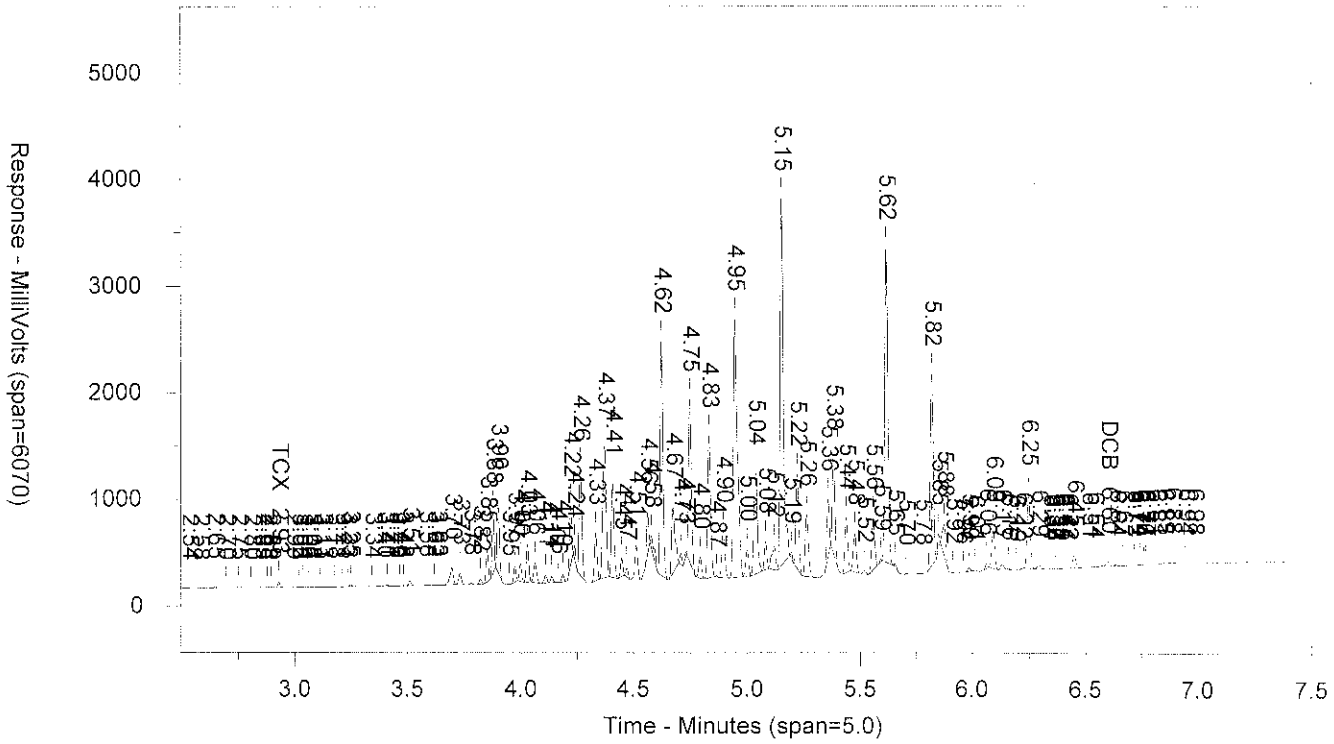
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	51056	33.792	TCX	2.613	90772	33.123	TCX
6.599	43092	36.618	DCB	6.099	134083	35.161	DCB

Files:
Area File: 25pcbs17289010.075.RAW
Area File: 25pcbs17289010B.075.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 5:53:53 AM
File Reported On: 10/30/2017 at 5:54:06 AM

9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289010.075.RAW



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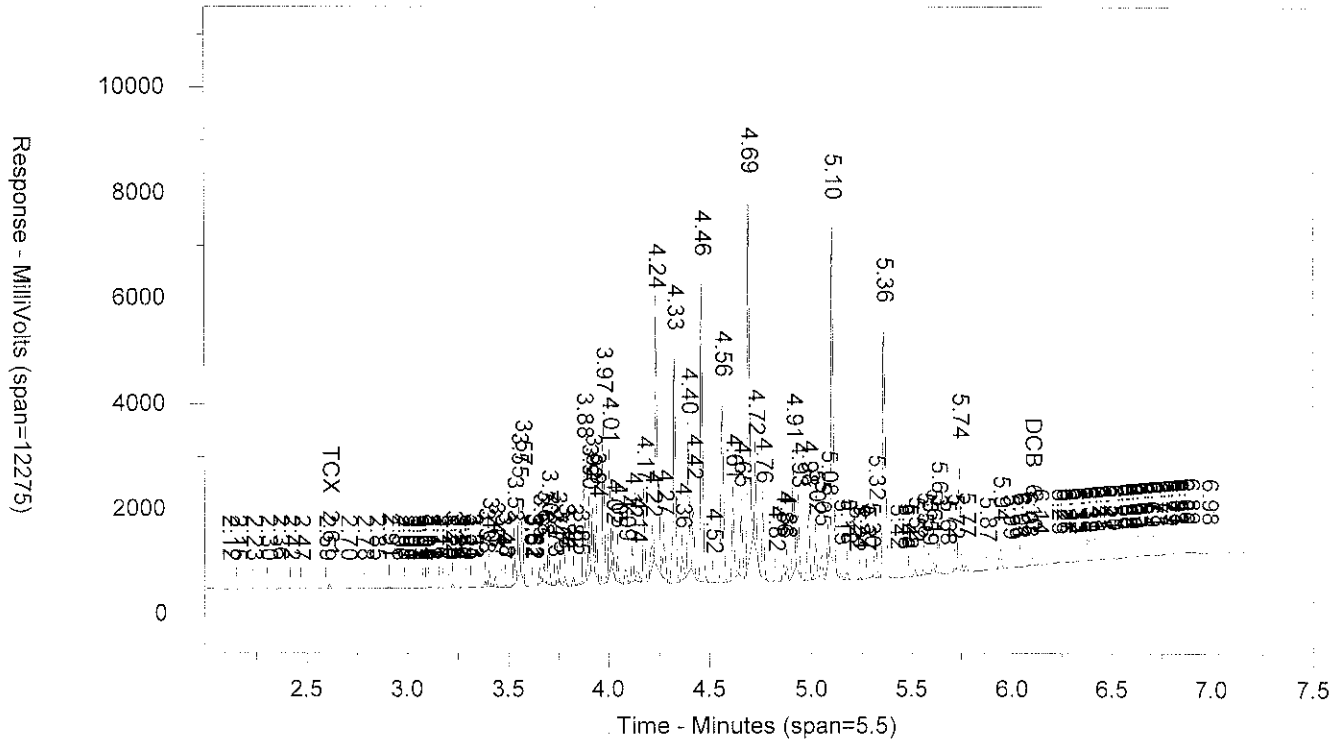

9229453R ACF DF100 AC98A04 T 172990022A 10225 SW-846 8082

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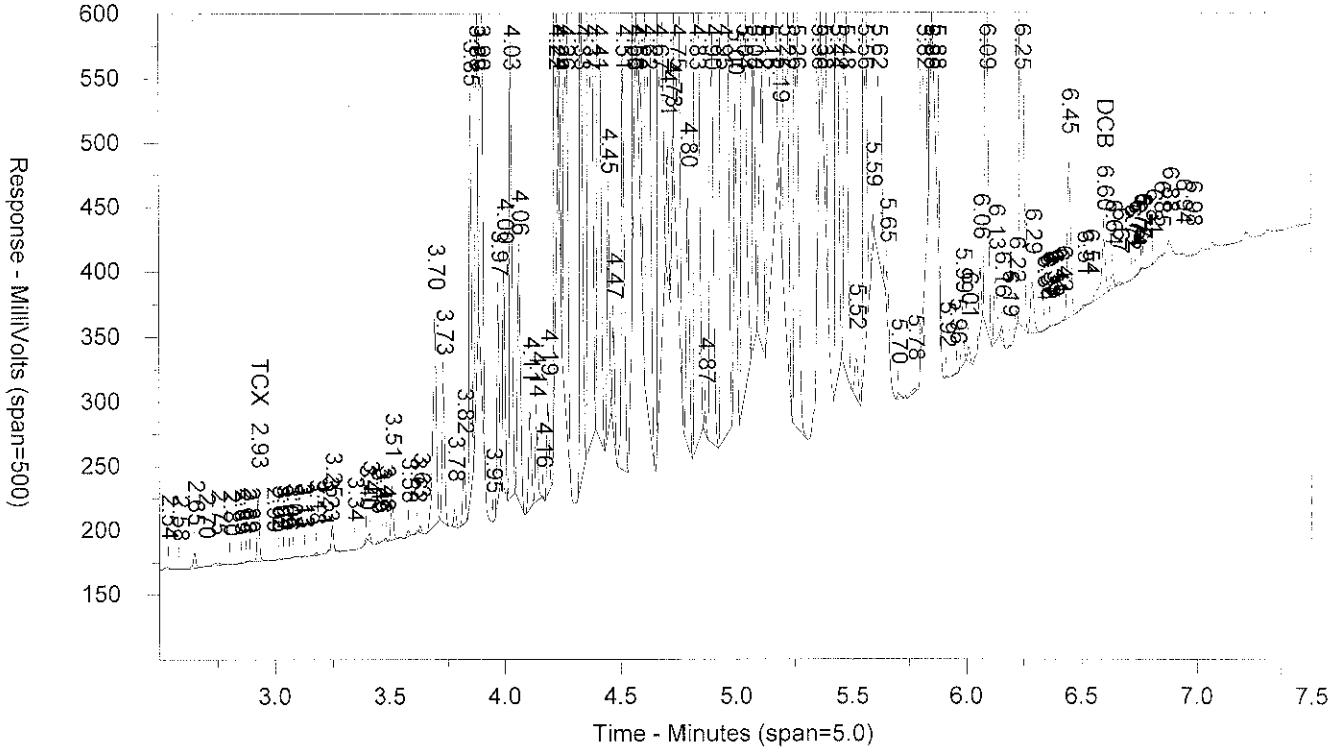

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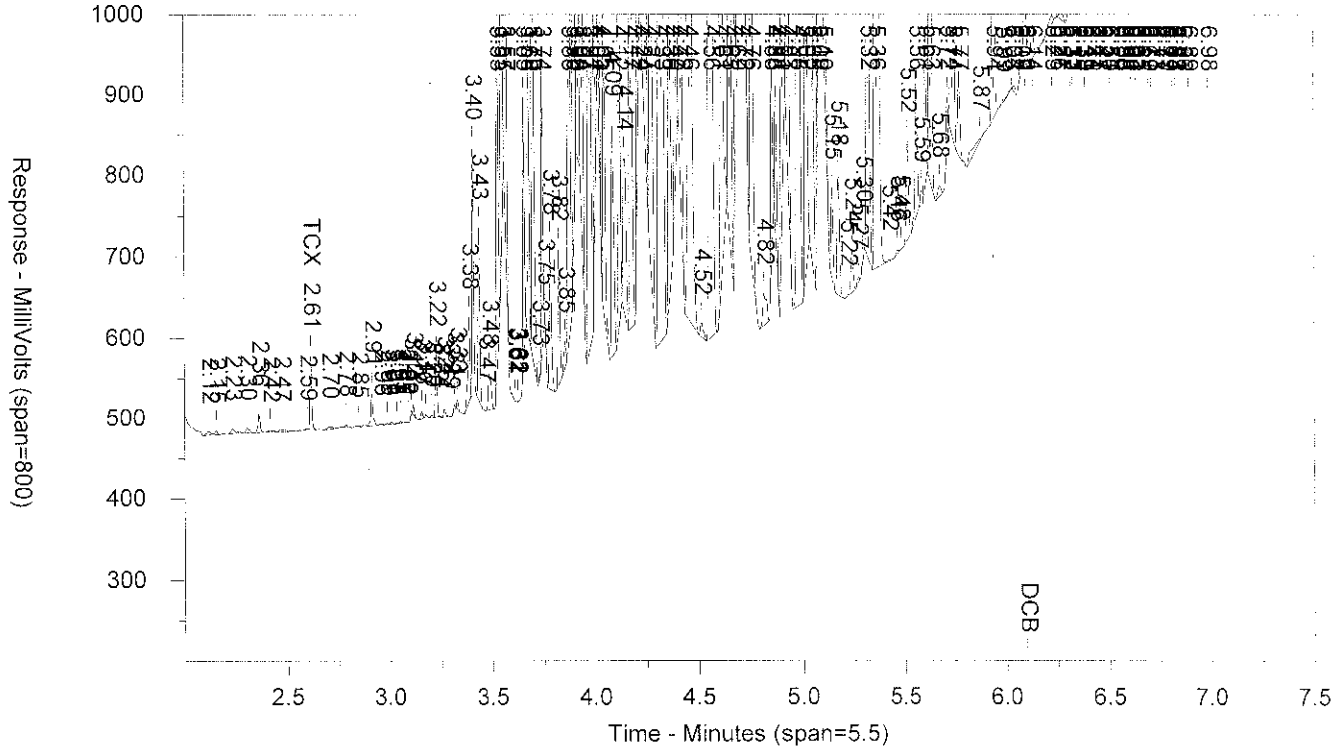

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Data Summary

Sample Name: 9229454 RI ACF DF50 98A05 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:51:59
Instrument	18274A
Result file	25PCBS17284003.110.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 82% (61 - 152) Conc: 24.96226
%SSR(DCB) 137% (48 - 164) Conc: 36.98039

Analysis Report (B)

Injected on	Oct 16, 2017 14:51:59
Instrument	18274B
Result file	25PCBS17284003B.110.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 92% (61 - 152) Conc: 28.14397
%SSR(DCB) 105% (48 - 164) Conc: 28.31149

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	75547	24.96226
Decachlorobiphenyl	6.57	6.60	6.63	71506	36.98039

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	153809	28.14397
Decachlorobiphenyl	6.07	6.10	6.13	171932	28.31149

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.14397				11.98	
☑	Tetrachloro-m-xylene-D1	A	24.96226					
☑	Tetrachloro-m-xylene-D2	B	28.14397					
☐	Decachlorobiphenyl	A	36.98039				26.55	
☑	Decachlorobiphenyl-D1	A	36.98039					
☑	Decachlorobiphenyl-D2	B	28.31149					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**5.89**	
4.61	4.63	4.65	1474536	12362.344829			2
4.82	4.84	4.86	956659.6	11741.915944			4
5.02	5.04	5.06	783506.8	13201.050203			5
Height summation:			**3214702.4**				
Concentration		CF:	**12435.103659**	L:			
Aroclor-1260						**8.47**	
5.36	5.38	5.40	677256.9	9695.789643			4
5.60	5.62	5.64	1996758	11454.242326			5
5.80	5.82	5.84	1205898	10959.940064			6
Height summation:			**3879912.9**				
Concentration		CF:	**10703.324011**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**14.48**	
4.22	4.24	4.26	3167824	12247.348354			1
4.38	4.40	4.42	1731231	11314.237778			3
4.59	4.61	4.63	1019264	9166.187442			5
Height summation:			**5918319**				
Concentration		CF:	**10909.257858**	L:			
Aroclor-1260						**12.15**	
4.89	4.91	4.93	1386741	9143.360716			4
5.09	5.10	5.13	3961394	11533.501543			5
5.34	5.36	5.38	2835508	11179.359667			6
Height summation:			**8183643**				
Concentration		CF:	**10618.740642**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:07

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Data Summary

Sample Name: 9229454 RI ACF DF50 98A05 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 14:51:59
Instrument	18274A
Result file	25PCBS17284003.110.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 14:51:59
Instrument	18274B
Result file	25PCBS17284003B.110.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			<2542.3729	<493.5194	D1		4	
☑ PCB-1221			<2542.3729	<762.7119	D1		3	
☑ PCB-1232			<2542.3729	<613.1605	D1		4	
☑ PCB-1242			<2542.3729	<613.1605	D1		4	
☑ PCB-1248			<2542.3729	<493.5194	D1		4	
☑ PCB-1254	A	12435.103659	2542.3729	658.0259	D1	13.07	4	
☑ PCB-1260	A	10703.324011	2542.3729	583.2502	D1	0.79	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:07

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229454** RI ACF DF50 98A05 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274A
Result file : 25PCBS17284003.110.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 82% (61-152) Conc.: 24.96226
%SSR(DCB) : 137% (48-164) Conc.: 36.98039

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	90.04	
3.16	3.18	3.20	7174.388	135.506719			1
+ 3.38	3.40	3.42	27684.8	565.319821			2
3.38	3.41	3.42	41791.03	853.367104			2
3.49	3.51	3.53	206632.6	3293.765034			3
3.71	3.74	3.75	218740.8	3054.584556			4
3.76	3.78	3.80	31527.02	509.212999			5
3.96	3.98	4.00	206891.6	4965.298317			6
Height Summation:			712757.438				
Amount Avg CF:			2135.289121	Linear:			
Aroclor-1221					3	6.24	
3.06	3.08	3.10	2381.789	105.397498			1
3.11	3.13	3.15	2059.278	103.508857			2
3.16	3.18	3.20	7174.388	116.041499			3
Height Summation:			11615.455				
Amount Avg CF:			108.315951	Linear:			
Aroclor-1232					6	93.67	
3.16	3.18	3.20	7174.388	132.520374			1
+ 3.38	3.40	3.42	27684.8	1372.042542			2
3.38	3.41	3.42	41791.03	2071.139074			2
3.49	3.51	3.53	206632.6	7583.348625			3
3.70	3.74	3.74	218740.8	6603.15697			4
3.76	3.78	3.80	31527.02	1289.332657			5
E 3.95	3.98	3.99	206891.6	12428.609189			6
Height Summation:			712757.438				
Amount Avg CF:			5018.017815	Linear:			
Aroclor-1242					6	91.15	
3.16	3.18	3.20	7174.388	98.116647			1
+ 3.37	3.40	3.41	27684.8	447.096497			2
3.37	3.41	3.41	41791.03	674.905475			2
3.49	3.51	3.53	206632.6	2487.966296			3
3.70	3.74	3.74	218740.8	2120.297			4
3.76	3.78	3.80	31527.02	398.28992			5
3.95	3.98	3.99	206891.6	3859.707081			6
Height Summation:			712757.438				
Amount Avg CF:			1606.54707	Linear:			
Aroclor-1248					6	79.59	
3.71	3.74	3.75	218740.8	5597.186164			1
3.76	3.78	3.80	31527.02	932.155108			2
3.83	3.85	3.87	395618.6	7736.845608			3
3.98	4.00	4.02	289023.2	18217.294348			4
4.04	4.06	4.08	174019.9	3474.594043			5
4.22	4.22	4.26	456067.5	9506.288066			6
+ 4.22	4.24	4.26	158465.6	3303.062907			6
Height Summation:			1564997.02				
Amount Avg CF:			7577.39389	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274B
Result file : 25PCBS17284003B.110.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 92% (61-152) Conc.: 28.14397
%SSR(DCB) : 105% (48-164) Conc.: 28.31149

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	133.31	
2.88	2.91	2.92	66140.46	689.356378			1
3.21	3.23	3.25	391008.4	3365.605775			2
3.40	3.41	3.44	531449.7	4660.374857			3
+ 3.40	3.44	3.44	425637.5	3732.489271			3
3.47	3.49	3.51	76335.84	608.769793			4
+ 3.53	3.55	3.57	1681961	16123.29181			5
3.53	3.57	3.57	2209000	21175.491946			5
3.64	3.66	3.68	453287.9	4302.865461			6
Height Summation:			3727222.3				
Amount Avg CF:			5800.410701	Linear:			
Aroclor-1221					3	59.23	
2.77	2.79	2.81	7118.512	154.321242			1
2.83	2.83	2.87	9917.711	355.770268			2
2.88	2.91	2.92	66140.46	587.314308			3
Height Summation:			83176.683				
Amount Avg CF:			365.801939	Linear:			
Aroclor-1232					6	149.11	
2.88	2.91	2.92	66140.46	646.929551			1
3.21	3.23	3.25	391008.4	7605.169848			2
E 3.40	3.41	3.44	531449.7	10474.123608			3
+ 3.40	3.44	3.44	425637.5	8388.714468			3
3.47	3.49	3.51	76335.84	1460.29946			4
E+ 3.53	3.55	3.57	1681961	47241.849047			5
E 3.53	3.57	3.57	2209000	62044.98472			5
E 3.63	3.66	3.67	453287.9	11116.563951			6
Height Summation:			3727222.3				
Amount Avg CF:			15558.011857	Linear:			
Aroclor-1242					6	145.92	
2.88	2.91	2.92	66140.46	526.471267			1
3.21	3.23	3.25	391008.4	2585.313352			2
3.40	3.41	3.44	531449.7	3188.388552			3
+ 3.40	3.44	3.44	425637.5	2553.577003			3
3.47	3.49	3.51	76335.84	463.222869			4
E+ 3.53	3.55	3.57	1681961	14461.256615			5
E 3.53	3.57	3.57	2209000	18992.661461			5
3.63	3.66	3.67	453287.9	3230.352316			6
Height Summation:			3727222.3				
Amount Avg CF:			4831.068303	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229454** RI ACF DF50 98A05 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274A
Result file : 25PCBS17284003.110.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	60.29	
4.55	4.57	4.59	333280.2	5471.449367			1
+ 4.55	4.58	4.59	50452.34	828.274298			1
4.61	4.63	4.65	1474536	12362.344829			2
4.73	4.75	4.77	1148064	29956.985445			3
4.82	4.84	4.86	956659.6	11741.915944			4
5.02	5.04	5.06	783506.8	13201.050203			5
5.13	5.15	5.17	2494476	29965.668503			6
Height Summation:			**7190522.6**				
Amount Avg CF:			**17116.569048**	Linear:			
Aroclor-1260					6	26.38	
4.73	4.75	4.77	1148064	12250.580987			1
4.93	4.95	4.97	1681198	15517.855858			2
5.13	5.15	5.17	2494476	18988.890539			3
5.36	5.38	5.40	677256.9	9695.789643			4
5.60	5.62	5.64	1996758	11454.242326			5
5.80	5.82	5.84	1205898	10959.940064			6
Height Summation:			**9203650.9**				
Amount Avg CF:			**13144.549903**	Linear:			
Aroclor-1262					6	34.53	
5.20	5.22	5.24	590227.7	5396.123467			1
5.36	5.38	5.40	677256.9	7103.809104			2
5.60	5.62	5.64	1996758	9254.743412			3
5.80	5.82	5.84	1205898	8482.987585			4
5.86	5.88	5.90	206144.4	3066.134438			5
6.23	6.25	6.27	473776.6	5824.930629			6
Height Summation:			**5150061.6**				
Amount Avg CF:			**6521.454773**	Linear:			
Aroclor-1268					6	95.13	
5.80	5.82	5.84	1205898	4924.378299			1
5.86	5.88	5.90	206144.4	934.216503			2
5.99	6.02	6.03	10741.05	52.328054			3
+ 6.06	6.06	6.10	36245.48	634.153036			4
6.06	6.09	6.10	266234.4	4658.052621			4
6.23	6.25	6.27	473776.6	5318.714368			5
6.43	6.45	6.47	97534.83	143.010482			6
Height Summation:			**2260329.28**				
Amount Avg CF:			**2671.783388**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274B
Result file : 25PCBS17284003B.110.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	64.60	
3.40	3.41	3.44	531449.7	9210.749543			1
+ 3.40	3.44	3.44	425637.5	7376.879522			1
3.47	3.49	3.51	76335.84	1099.822204			2
3.51	3.53	3.55	834171	7331.10919			3
3.64	3.66	3.68	453287.9	3253.043954			4
+ 3.73	3.73	3.77	3401.929	35.213806			5
3.73	3.74	3.77	358213.8	3707.917243			5
3.86	3.88	3.90	1857439	10933.197098			6
Height Summation:			**4110897.24**				
Amount Avg CF:			**5922.639872**	Linear:			
Aroclor-1254					6	55.89	
+ 4.22	4.22	4.26	248050.2	959.004417			1
4.22	4.24	4.26	3167824	12247.348354			1
4.31	4.33	4.35	2928890	23358.409107			2
4.38	4.40	4.42	1731231	11314.237778			3
4.44	4.46	4.48	3699319	37860.891391			4
4.59	4.61	4.63	1019264	9166.187442			5
4.67	4.69	4.71	4671166	27675.792485			6
Height Summation:			**17217694**				
Amount Avg CF:			**20270.477759**	Linear:			
Aroclor-1260					6	18.31	
4.31	4.33	4.35	2928890	13354.360111			1
4.44	4.46	4.48	3699319	15724.228897			2
4.55	4.56	4.59	2315731	11855.610963			3
4.89	4.91	4.93	1386741	9143.360716			4
5.09	5.10	5.13	3961394	11533.501543			5
5.34	5.36	5.38	2835508	11179.359667			6
Height Summation:			**17127583**				
Amount Avg CF:			**12131.736983**	Linear:			
Aroclor-1262					6	36.75	
4.70	4.72	4.74	1025436	4362.546661			1
4.89	4.91	4.93	1386741	6238.33716			2
+ 5.08	5.08	5.12	457546	986.818872			3
5.08	5.10	5.12	3961394	8543.793101			3
5.30	5.32	5.34	628065.9	3413.871491			4
5.34	5.36	5.38	2835508	9002.191058			5
5.72	5.74	5.76	1111130	5234.173571			6
Height Summation:			**10948274.9**				
Amount Avg CF:			**6132.485507**	Linear:			
Aroclor-1268					6	125.42	
5.30	5.32	5.34	628065.9	1146.250995			1
5.35	5.36	5.39	2835508	5097.527587			2
5.50	5.52	5.54	100193.4	197.627847			3
5.57	5.59	5.61	12885.12	93.123055			4
5.72	5.74	5.76	1111130	4989.782024			5
5.92	5.94	5.96	250987.3	124.024106			6
Height Summation:			**4938769.72**				
Amount Avg CF:			**1941.389269**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229454** RI ACF DF50 98A05 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274A
Result file : 25PCBS17284003.110.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 14:51:59
Instrument : CP25--18274B
Result file : 25PCBS17284003B.110.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			2542.3729	493.5194		** 92.37	4	40	
Aroclor-1221			2542.3729	762.7119		** 108.62	3	5	
Aroclor-1232			2542.3729	613.1605	E	** 102.45	4	10	
Aroclor-1242			2542.3729	613.1605		** 100.18	4	30	
Aroclor-1248			2542.3729	493.5194		24.51	4	40	
Aroclor-1254			2542.3729	658.0259		16.87	4	40	
Aroclor-1260			2542.3729	583.2502		8.01	4	40	
Aroclor-1262			2542.3729	493.5194		6.15	4	40	
Aroclor-1268			2542.3729	493.5194		31.67	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:51:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.110.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.009		996	504
2.048		10850	13088
2.082		3614	5206
2.117		1263	725
2.138		2776	1644
2.205		29438	20706
2.227		1113	1127
2.266		665	827
2.331		5723	4755
2.367		1377	805
2.395		1647	2013
2.452		603	425
2.488		4059	4090
2.527		1389	1798
2.561		1404	1373
2.592		1089	894
2.636		2439	1113
2.653		28067	17412
2.684		618	284
2.752		2846	4357
2.773		728	540
2.806		1963	1367
2.832		688	717
2.895		2100	2240
2.93	TCX	75547	53044
3.015		416	280
3.079		2382	3052
3.128		2059	2362
3.181		7174	4974
3.21		505	250
3.25		29178	23631
3.275		7376	4579
3.316		685	768
3.396		27685	15710
3.414		41791	25228
3.45		4614	2742
3.479		2308	1877
3.513		206633	151234
3.547		1473	896
3.581		9208	7301
3.603		355	150
3.621		7653	4539
3.636		3560	1596
3.692		379838	530497
3.735		218741	169453
3.784		31527	22786
3.824		106923	81861
3.853		395619	289069
3.879		795768	539585
3.903		1013944	709265
3.976		206892	154163
4		289023	212011
4.031		422776	333838
4.064		174020	167480

RT A	Compound A	Height A	Area A
4.111		63427	55716
4.138		43933	41701
4.189		74303	58212
4.224		456068	315203
4.242		158466	84136
4.266		855274	756741
4.304		1458	758
4.336		365828	304126
4.377		967799	1063495
4.412		531051	446652
4.452		125004	97086
4.474		90939	63673
4.516		248113	239608
4.566		333280	248418
4.581		50452	79531
4.627		1474536	1364806
4.677		426301	463152
4.711		93328	59204
4.752		1148064	1122654
4.797		179258	158486
4.837		956660	962706
4.87		15506	8588
4.898		289807	278898
4.95		1681198	2176296
5		182609	163978
5.038		783507	875908
5.083		88758	62046
5.121		160957	208120
5.153		2494476	2478682
5.196		47854	25685
5.222		590228	547727
5.263		424162	420629
5.359		390860	311365
5.382		677257	546079
5.439		395232	357031
5.477		264999	264913
5.518		28340	32460
5.559		336561	346791
5.593		29520	16782
5.618		1996758	1932432
5.71		3264	4266
5.779		2328	2809
5.822		1205898	1172603
5.852		102306	63444
5.878		206144	230238
5.922		1554	1114
5.961		1216	1435
5.988		34992	29839
6.015		10741	8421
6.044		1794	1312
6.064		36245	26862
6.093		266234	248759
6.159		16096	17261
6.201		757	931
6.222		11848	8417
6.25		473777	455543
6.294		31320	30644
6.341		1080	1323
6.394		326	722
6.428		618	424
6.453		97535	99644
6.51		10561	10233
6.568		3917	3606
6.601	DCB	71506	76269
6.638		11801	10579
6.659		1313	1346

RT A	Compound A	Height A	Area A
6.782		1573	3059
6.818		4678	9142
6.889		2821	4789
6.928		1402	1623
6.978		596	211

LANCASTER LABORATORIES

Sample Number: 9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:51:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.110.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		2993	2923
2.049		18905	19207
2.07		19593	19225
2.1		21372	37130
2.166		12150	12750
2.19		7346	4237
2.21		4803	2884
2.23		12688	7133
2.248		2998	1435
2.29		8071	8606
2.309		9504	16043
2.365		63700	52912
2.43		4616	1780
2.445		7769	4891
2.462		10484	6349
2.488		14279	15143
2.538		19326	22550
2.565		7132	5555
2.593		4479	2693
2.615	TCX	153809	108065
2.675		7865	3574
2.704		10140	11433
2.729		3612	2236
2.759		4167	3304
2.786		7119	2555
2.81		6604	3896
2.832		9918	12566
2.869		4575	2677
2.911		66140	62728
2.95		6064	3896
2.973		2880	1206
2.992		3621	2448
3.009		17927	14126
3.07		5965	4894
3.105		39380	17744
3.116		69956	31896
3.156		9740	5029
3.18		1669	550
3.192		1281	580
3.225		391008	242603
3.262		9337	5818
3.281		1653	1183
3.312		39161	38099
3.34		585	85
3.354		4799	2938
3.385		613477	450806
3.405		531450	306214
3.435		425638	266823
3.492		76336	73171
3.528		834171	511327
3.552		1681961	882744
3.57		2209000	1230940
3.597		2568	1830
3.623		1699	1045

RT B	Compound B	Height B	Area B
3.655		453288	265969
3.678		591215	328461
3.699		909060	594087
3.729		3402	1547
3.744		358214	262565
3.782		137232	108110
3.833		88639	90022
3.854		105653	59425
3.877		1857439	1196740
3.901		1302827	761043
3.921		715956	386204
3.941		686227	420981
3.976		2253521	1528769
4.007		1106650	688737
4.024		321806	160864
4.046		309402	201290
4.085		257677	222383
4.119		547563	363006
4.146		70665	64768
4.175		970197	699704
4.217		248050	271581
4.236		3167824	2722442
4.274		467226	430780
4.326		2928890	2406114
4.364		380055	322816
4.396		1731231	1209115
4.42		843559	555097
4.463		3699319	2924255
4.518		130556	100541
4.564		2315731	2249727
4.614		1019264	840970
4.655		798784	710320
4.692		4671166	3796855
4.724		1025436	664226
4.762		813262	631686
4.832		26813	35795
4.861		161966	108331
4.878		138287	84491
4.911		1386741	1028165
4.936		745771	520340
4.985		888714	763699
5.02		436248	348395
5.05		312531	245913
5.083		457546	294876
5.105		3961394	3060840
5.146		77326	55682
5.178		115533	93360
5.217		2958	1830
5.244		6733	4864
5.295		30001	17988
5.319		628066	531201
5.363		2835508	2839472
5.415		2135	3282
5.463		3494	2625
5.484		2324	1357
5.516		100193	84477
5.563		104768	93502
5.586		12885	7078
5.609		164246	117523
5.635		442878	356306
5.674		14352	14892
5.715		38338	27641
5.741		1111130	910398
5.773		72023	54236
5.799		1210	550
5.82		8440	7544

RT B	Compound B	Height B	Area B
5.864		1355	1308
5.913		891	579
5.94		250987	214404
5.982		1312	1548
6.004		24283	21846
6.039		1487	615
6.057		1279	861
6.076		9924	6157
6.099	DCB	171932	142940
6.135		42060	36642
6.169		1272	976
6.227		10349	22318
6.278		4191	2886
6.302		40367	33591
6.366		3033	2439
6.407		4108	5241
6.443		2213	1582
6.466		5881	6969
6.501		1543	1371
6.518		3049	2650
6.543		3237	1637
6.578		1869	1982
6.604		2089	1570
6.637		2887	2821
6.674		2822	3994
6.712		1227	708
6.749		1046	569
6.791		2038	3651
6.831		2358	3073
6.864		1574	939
6.976		1056	638

9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082

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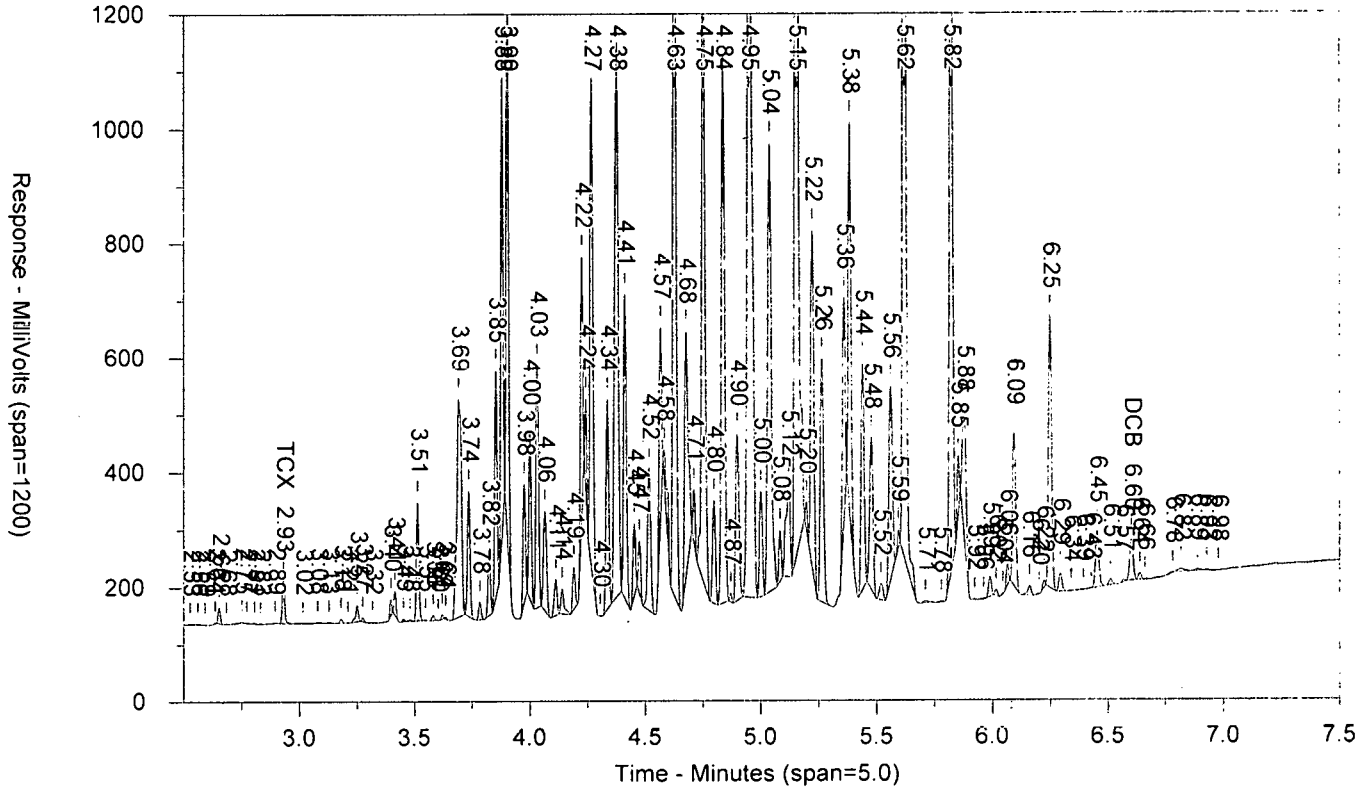

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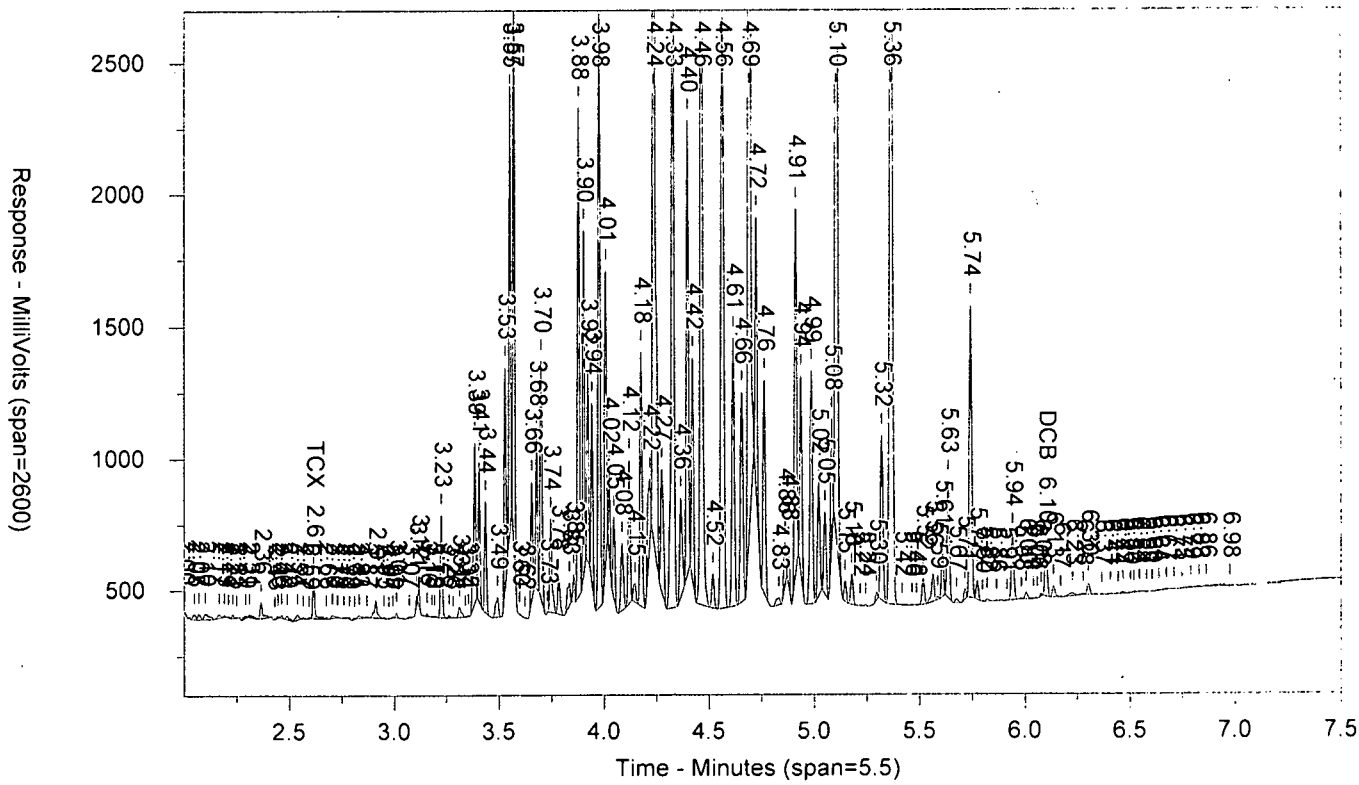

LANCASTER LABORATORIES

Sample Number: 9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 2:51:59 PM Sample Weight: 10.03
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	75547	24.962	TCX	2.615	153809	28.144	TCX
6.601	71506	36.98	DCB	6.099	171932	28.311	DCB

Files:
Area File: 25pcbs17284003.110.RAW
Area File: 25pcbs17284003B.110.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: 10/16/2017 3:00:31 PM
File Reported On: 10/16/2017 at 3:00:46 PM

9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082

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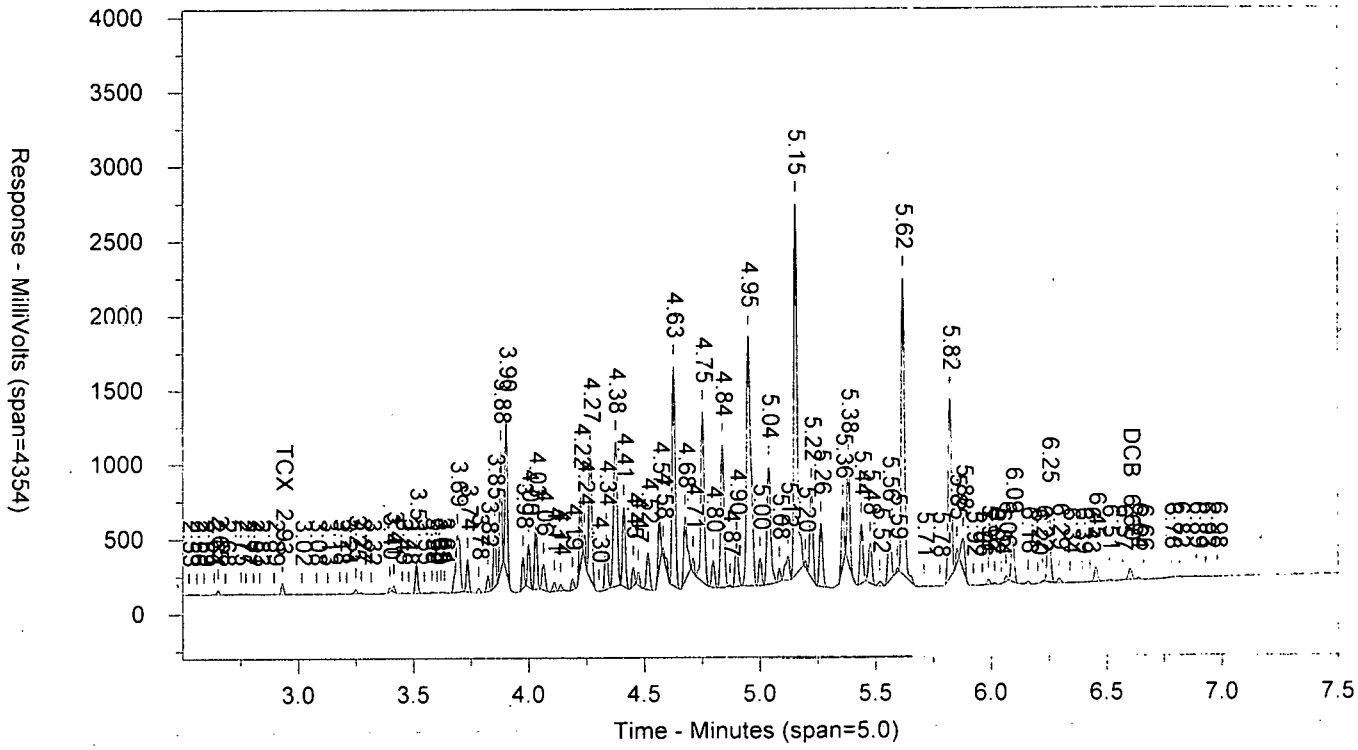

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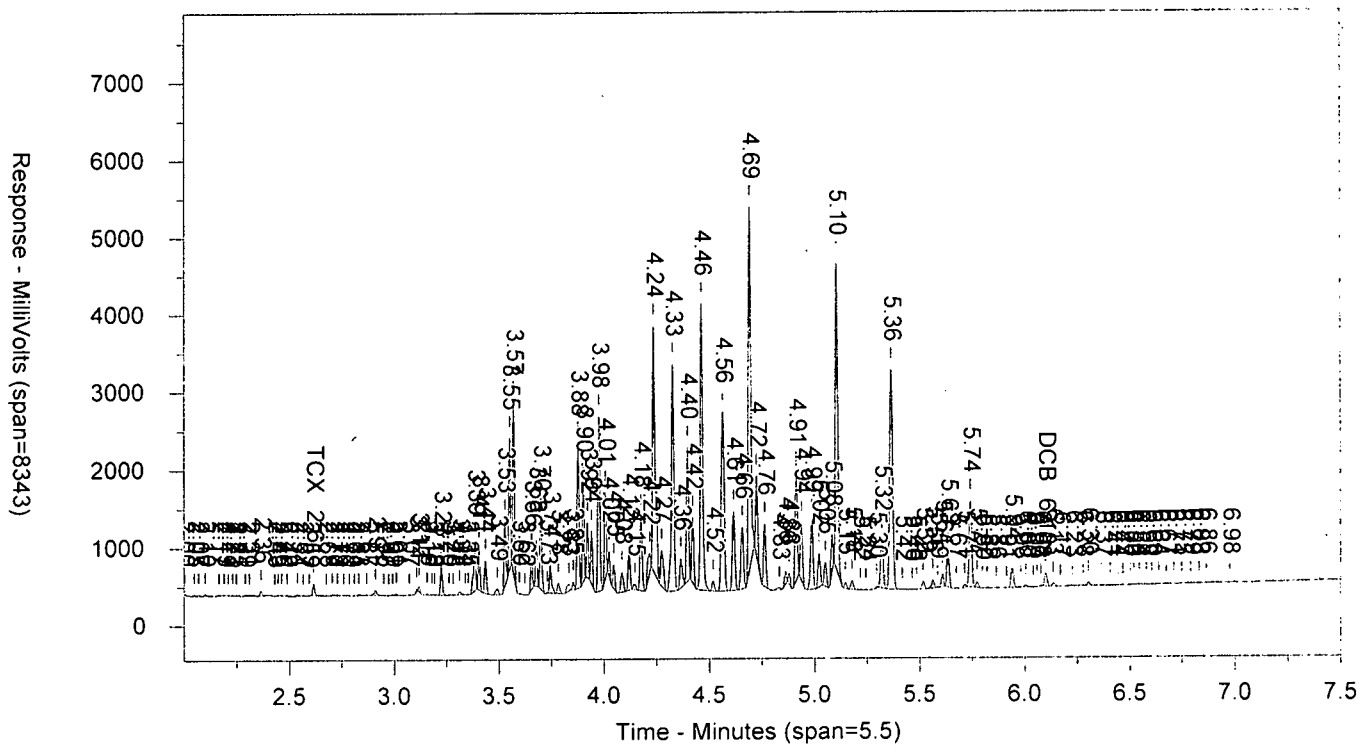

9229454 RI ACF DF50 AC98A05 T 172790013A 10225 SW-846 8082

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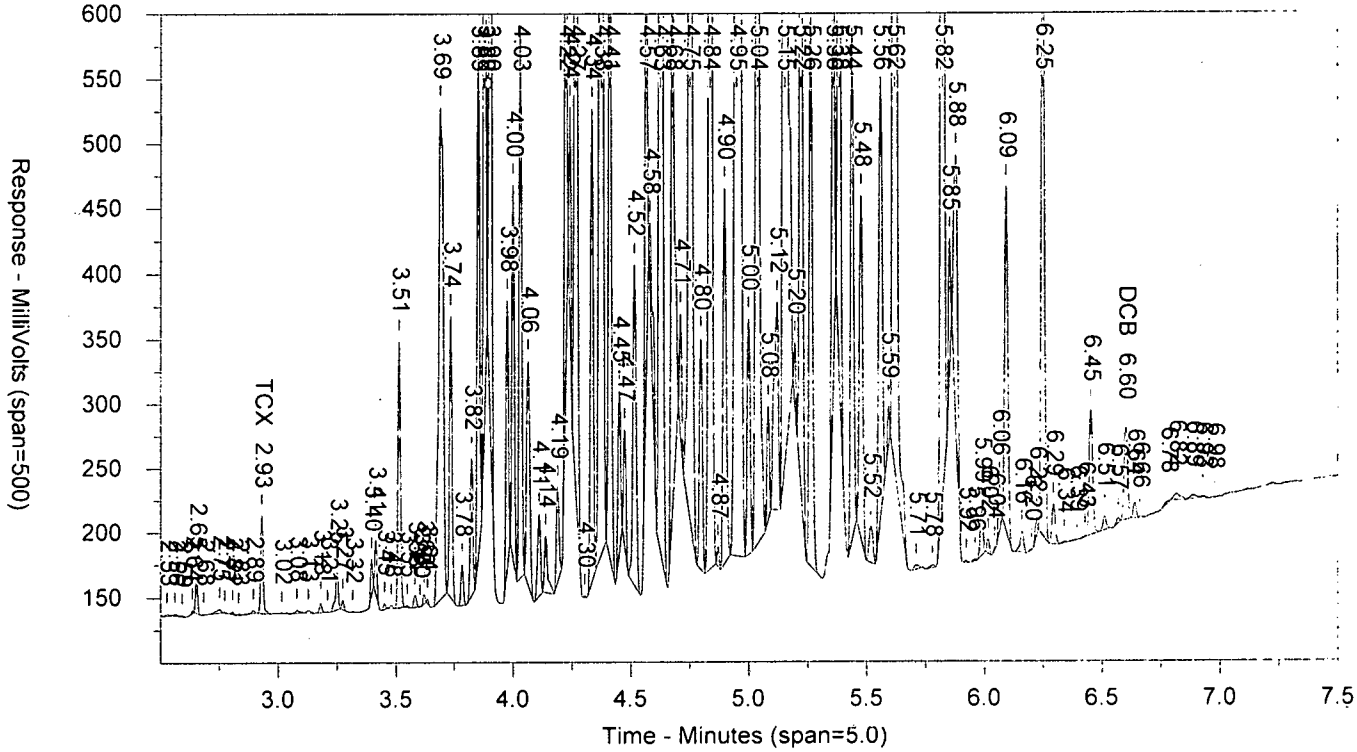

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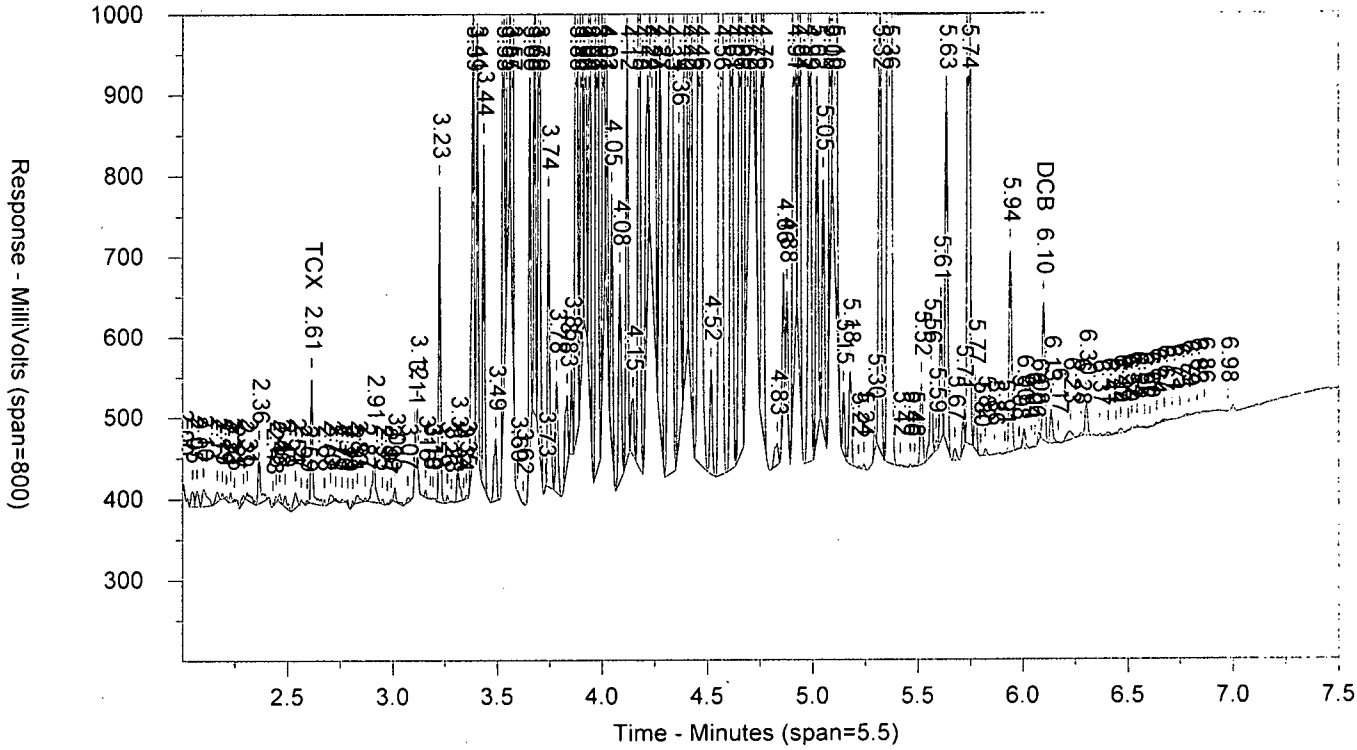

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Data Summary

Sample Name: 9229455 RI ACF DF50 98A06 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:03:18
Instrument	18274A
Result file	25PCBS17284003.111.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 78% (61 - 152) Conc: 23.60709
%SSR(DCB) 129% (48 - 164) Conc: 34.60789

Analysis Report (B)

Injected on	Oct 16, 2017 15:03:18
Instrument	18274B
Result file	25PCBS17284003B.111.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 85% (61 - 152) Conc: 25.74706
%SSR(DCB) 106% (48 - 164) Conc: 28.47242

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	71945	23.60709
Decachlorobiphenyl	6.57	6.60	6.63	67385	34.60789

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	141692	25.74706
Decachlorobiphenyl	6.07	6.10	6.13	174116	28.47242

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	25.74706				8.67	
☑	Tetrachloro-m-xylene-D1	A	23.60709					
☑	Tetrachloro-m-xylene-D2	B	25.74706					
☐	Decachlorobiphenyl	A	34.60789				19.45	
☑	Decachlorobiphenyl-D1	A	34.60789					
☑	Decachlorobiphenyl-D2	B	28.47242					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**33.57**	
4.55	4.57	4.59	646142.2	10534.175189			1
4.61	4.63	4.65	2417103	20124.272525			2
4.82	4.84	4.86	1713236	20882.297754			4
Height summation:			**4776481.2**				
Concentration		CF:	**17180.248489**	L:			
Aroclor-1260						**11.23**	
5.36	5.38	5.40	809160.3	11503.867533			4
5.60	5.62	5.64	2529193	14407.959005			5
5.80	5.82	5.84	1478683	13346.034508			6
Height summation:			**4817036.3**				
Concentration		CF:	**13085.953682**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**13.15**	
4.22	4.24	4.26	4849264	18618.145223			1
4.38	4.40	4.42	3321978	21559.892578			3
4.59	4.61	4.63	1859958	16610.578016			5
Height summation:			**10031200**				
Concentration		CF:	**18929.538606**	L:			
Aroclor-1260						**9.77**	
4.89	4.91	4.93	1727606	11311.879248			4
5.09	5.10	5.13	4706814	13608.796956			5
5.34	5.36	5.38	3395195	13293.224327			6
Height summation:			**9829615**				
Concentration		CF:	**12737.966844**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:09

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Data Summary

Sample Name: 9229455 RI ACF DF50 98A06 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:03:18
Instrument	18274A
Result file	25PCBS17284003.111.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 15:03:18
Instrument	18274B
Result file	25PCBS17284003B.111.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			<2524.7524	<490.099	D1		4	
☑ PCB-1221			<2524.7524	<757.4257	D1		3	
☑ PCB-1232			<2524.7524	<608.9109	D1		4	
☑ PCB-1242			<2524.7524	<608.9109	D1		4	
☑ PCB-1248			<2524.7524	<490.099	D1		4	
☑ PCB-1254	B	18929.538606	2524.7524	653.4653	D2	9.69	4	
☑ PCB-1260	A	13085.953682	2524.7524	579.2079	D1	2.70	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:09

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229455** RI ACF DF50 98A06 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274A
Result file : 25PCBS17284003.111.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 78% (61-152) Conc.: 23.60709
%SSR(DCB) : 129% (48-164) Conc.: 34.60789

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	94.97	
3.16	3.18	3.20	13218.43	247.93361			1
+ 3.38	3.40	3.42	34426.59	698.114067			2
3.38	3.41	3.42	49685.32	1007.535769			2
3.49	3.51	3.53	235072.9	3721.13905			3
3.71	3.73	3.75	252003.5	3494.688632			4
3.76	3.78	3.80	58254.47	934.383958			5
3.96	3.98	4.00	307781.9	7335.422338			6
Height Summation:			**916016.52**				
Amount Avg CF:			**2790.183893**	Linear:			
Aroclor-1221					3	32.62	
+ 3.06	3.06	3.10	370.4064	16.277401			1
3.06	3.08	3.10	2741.857	120.490103			1
3.11	3.13	3.15	2614.32	130.497093			2
3.16	3.18	3.20	13218.43	212.318533			3
Height Summation:			**18574.607**				
Amount Avg CF:			**154.435243**	Linear:			
Aroclor-1232					6	100.37	
3.16	3.18	3.20	13218.43	242.469561			1
+ 3.38	3.40	3.42	34426.59	1694.336839			2
3.38	3.41	3.42	49685.32	2445.309513			2
3.49	3.51	3.53	235072.9	8567.306533			3
3.70	3.73	3.74	252003.5	7554.538819			4
3.76	3.78	3.80	58254.47	2365.869989			5
E 3.95	3.98	3.99	307781.9	18361.25277			6
Height Summation:			**916016.52**				
Amount Avg CF:			**6589.457864**	Linear:			
Aroclor-1242					6	96.88	
3.16	3.18	3.20	13218.43	179.521832			1
+ 3.37	3.40	3.41	34426.59	552.119954			2
3.37	3.41	3.41	49685.32	796.833395			2
3.49	3.51	3.53	235072.9	2810.785967			3
3.70	3.73	3.74	252003.5	2425.789068			4
3.76	3.78	3.80	58254.47	730.844878			5
3.95	3.98	3.99	307781.9	5702.090738			6
Height Summation:			**916016.52**				
Amount Avg CF:			**2107.644313**	Linear:			
Aroclor-1248					6	70.33	
3.71	3.73	3.75	252003.5	6403.627893			1
3.76	3.78	3.80	58254.47	1710.464544			2
3.83	3.85	3.87	540727.2	10501.346877			3
3.98	4.00	4.02	328181.4	20542.093092			4
4.04	4.06	4.08	268532.8	5324.539529			5
4.22	4.22	4.26	778980.2	16124.558186			6
+ 4.22	4.24	4.26	286027.9	5920.655642			6
Height Summation:			**2226679.57**				
Amount Avg CF:			**10101.10502**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274B
Result file : 25PCBS17284003B.111.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 85% (61-152) Conc.: 25.74706
%SSR(DCB) : 106% (48-164) Conc.: 28.47242

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	129.58	
+ 2.88	2.90	2.92	12723.57	131.693739			1
2.88	2.91	2.92	68088.77	704.744402			1
3.21	3.22	3.25	431046.5	3684.519329			2
3.40	3.40	3.44	566533.4	4933.598034			3
+ 3.40	3.44	3.44	481371.7	4191.9761			3
3.47	3.49	3.51	126264.3	999.964863			4
+ 3.53	3.55	3.57	1990411	18947.857727			5
3.53	3.57	3.57	2546535	24241.919321			5
3.64	3.65	3.68	663123.2	6251.114049			6
Height Summation:			**4401591.17**				
Amount Avg CF:			**6802.643333**	Linear:			
Aroclor-1221					3	60.42	
2.77	2.79	2.81	7972.989	171.647393			1
2.83	2.83	2.87	8782.621	312.868545			2
+ 2.88	2.90	2.92	12723.57	112.199756			3
2.88	2.91	2.92	68088.77	600.424518			3
Height Summation:			**84844.38**				
Amount Avg CF:			**361.646819**	Linear:			
Aroclor-1232					6	144.78	
+ 2.88	2.90	2.92	12723.57	123.588574			1
2.88	2.91	2.92	68088.77	661.370511			1
3.21	3.22	3.25	431046.5	8325.810322			2
E 3.40	3.40	3.44	566533.4	11088.18866			3
+ 3.40	3.44	3.44	481371.7	9421.404326			3
3.47	3.49	3.51	126264.3	2398.686938			4
E+ 3.53	3.55	3.57	1990411	55517.933003			5
E 3.53	3.57	3.57	2546535	71029.731809			5
E 3.63	3.65	3.67	663123.2	16149.91445			6
Height Summation:			**4401591.17**				
Amount Avg CF:			**18275.617115**	Linear:			
Aroclor-1242					6	142.10	
+ 2.88	2.90	2.92	12723.57	100.576381			1
2.88	2.91	2.92	68088.77	538.22332			1
3.21	3.22	3.25	431046.5	2830.289004			2
3.40	3.40	3.44	566533.4	3375.313784			3
+ 3.40	3.44	3.44	481371.7	2867.934237			3
3.47	3.49	3.51	126264.3	760.889583			4
E+ 3.53	3.55	3.57	1990411	16994.658171			5
E 3.53	3.57	3.57	2546535	21742.992701			5
3.63	3.65	3.67	663123.2	4692.989109			6
Height Summation:			**4401591.17**				
Amount Avg CF:			**5656.782917**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229455** RI ACF DF50 98A06 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274A
Result file : 25PCBS17284003.111.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	46.61	
4.55	4.57	4.59	646142.2	10534.175189			1
4.61	4.63	4.65	2417103	20124.272525			2
4.73	4.75	4.77	1504886	38995.560828			3
4.82	4.84	4.86	1713236	20882.297754			4
5.02	5.04	5.06	1156750	19354.62584			5
5.13	5.15	5.17	3249537	38765.526476			6
Height Summation:			10687654.2				
Amount Avg CF:			24776.076435	Linear:			
Aroclor-1260					6	29.33	
4.73	4.75	4.77	1504886	15946.807363			1
4.93	4.95	4.97	2230852	20448.580576			2
5.13	5.15	5.17	3249537	24565.2567			3
5.36	5.38	5.40	809160.3	11503.867533			4
5.60	5.62	5.64	2529193	14407.959005			5
5.80	5.82	5.84	1478683	13346.034508			6
Height Summation:			11802311.3				
Amount Avg CF:			16703.084281	Linear:			
Aroclor-1262					6	35.72	
5.20	5.22	5.24	732798.9	6653.139943			1
5.36	5.38	5.40	809160.3	8428.532583			2
E 5.60	5.62	5.64	2529193	11641.273153			3
E 5.80	5.82	5.84	1478683	10329.823373			4
5.86	5.88	5.90	253447.4	3743.57942			5
6.23	6.25	6.27	558269.2	6816.169445			6
Height Summation:			6361551.8				
Amount Avg CF:			7935.419653	Linear:			
Aroclor-1268					6	94.75	
5.80	5.82	5.84	1478683	5996.467346			1
5.86	5.88	5.90	253447.4	1140.626331			2
5.99	6.01	6.03	14148.76	68.451944			3
+ 6.06	6.06	6.10	43074.43	748.409547			4
6.06	6.09	6.10	306641.2	5327.829101			4
6.23	6.25	6.27	558269.2	6223.809461			5
6.43	6.45	6.47	119180.8	173.537763			6
Height Summation:			2730370.36				
Amount Avg CF:			3155.120324	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274B
Result file : 25PCBS17284003B.111.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	72.51	
3.40	3.40	3.44	566533.4	9750.746932			1
+ 3.40	3.44	3.44	481371.7	8285.007781			1
3.47	3.49	3.51	126264.3	1806.567233			2
3.51	3.53	3.55	1137664	9929.060919			3
3.64	3.65	3.68	663123.2	4725.955051			4
+ 3.73	3.73	3.77	9096.812	93.509664			5
3.73	3.74	3.77	562684.1	5784.048452			5
3.86	3.88	3.90	3367460	19684.057379			6
Height Summation:			6423729				
Amount Avg CF:			8613.405995	Linear:			
Aroclor-1254					6	43.33	
4.22	4.24	4.26	4849264	18618.145223			1
4.31	4.33	4.35	4088585	32381.188853			2
4.38	4.40	4.42	3321978	21559.892578			3
E 4.44	4.46	4.48	4847668	49269.87719			4
4.59	4.61	4.63	1859958	16610.578016			5
4.67	4.69	4.71	6289684	37006.937808			6
Height Summation:			25257137				
Amount Avg CF:			29241.103278	Linear:			
Aroclor-1260					6	22.29	
4.31	4.33	4.35	4088585	18512.821434			1
4.44	4.46	4.48	4847668	20462.561714			2
4.55	4.56	4.59	3210730	16323.721454			3
4.89	4.91	4.93	1727606	11311.879248			4
5.09	5.10	5.13	4706814	13608.796956			5
5.34	5.36	5.38	3395195	13293.224327			6
Height Summation:			21976598				
Amount Avg CF:			15585.500855	Linear:			
Aroclor-1262					6	36.31	
4.70	4.72	4.74	1194298	5045.727465			1
4.89	4.91	4.93	1727606	7717.875173			2
+ 5.08	5.08	5.12	810592.3	1736.139894			3
E 5.08	5.10	5.12	4706814	10081.131485			3
5.30	5.32	5.34	775609.2	4186.628884			4
E 5.34	5.36	5.38	3395195	10704.382784			5
5.72	5.74	5.76	1332841	6235.06736			6
Height Summation:			13132363.2				
Amount Avg CF:			7328.468858	Linear:			
Aroclor-1268					6	124.34	
5.30	5.32	5.34	775609.2	1405.714168			1
5.35	5.36	5.39	3395195	6061.400629			2
5.50	5.52	5.54	132145.5	258.845705			3
5.57	5.59	5.61	16740.76	120.149918			4
5.72	5.74	5.76	1332841	5943.942556			5
5.92	5.94	5.96	312858.3	153.525882			6
Height Summation:			5965389.76				
Amount Avg CF:			2323.92981	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229455** RI ACF DF50 98A06 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.1 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274A
Result file : 25PCBS17284003.111.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 15:03:18
Instrument : CP25--18274B
Result file : 25PCBS17284003B.111.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			2524.7524	490.099		** 83.66	4	40	
Aroclor-1221			2524.7524	757.4257		** 80.30	3	5	
Aroclor-1232			2524.7524	608.9109	E	** 94.00	4	10	
Aroclor-1242			2524.7524	608.9109		** 91.42	4	30	
Aroclor-1248			2524.7524	490.099		15.90	4	40	
Aroclor-1254			2524.7524	653.4653		16.53	4	40	
Aroclor-1260			2524.7524	579.2079		6.92	4	40	
Aroclor-1262			2524.7524	490.099	E	7.95	4	40	
Aroclor-1268			2524.7524	490.099		30.34	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:03:18 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: 25pcbs17284003.111.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.009		812	385
2.048		16466	18124
2.083		3460	4807
2.118		1312	808
2.138		2657	1583
2.154		1194	859
2.205		37529	26214
2.231		1348	1000
2.299		1320	801
2.316		659	258
2.333		2146	1226
2.366		1502	1020
2.392		1822	2291
2.428		955	634
2.454		696	479
2.487		3653	3869
2.531		1269	2042
2.561		1020	1004
2.588		1471	1215
2.636		3598	1758
2.653		36564	23611
2.684		868	585
2.732		488	418
2.75		2835	2421
2.806		2173	1586
2.869		691	568
2.892		2609	2404
2.93	TCX	71945	50925
2.993		372	254
3.011		645	1175
3.058		370	63
3.079		2742	3580
3.133		2614	3023
3.18		13218	9064
3.25		41640	31791
3.274		9953	6251
3.313		847	761
3.364		490	292
3.396		34427	19230
3.413		49685	30163
3.45		6173	3580
3.477		3183	2581
3.513		235073	173260
3.549		1927	1281
3.58		14499	11946
3.621		15528	8642
3.636		4839	2333
3.69		449168	627666
3.735		252004	200703
3.783		58254	42322
3.824		111650	85242
3.853		540727	401830
3.879		915829	607727
3.902		1111959	784401

RT A	Compound A	Height A	Area A
3.951		550	249
3.975		307782	220889
4		328181	232949
4.031		458179	355868
4.064		268533	244429
4.11		83479	82530
4.138		50403	45529
4.189		100809	78908
4.224		778980	560836
4.241		286028	143895
4.266		1092195	945861
4.304		1480	776
4.335		462000	386719
4.377		1545503	1744297
4.412		823204	687416
4.452		148334	108519
4.474		124706	89187
4.516		444556	415777
4.565		646142	622810
4.596		105579	57342
4.626		2417103	2092084
4.677		529754	569190
4.711		170668	108155
4.752		1504886	1487776
4.798		252325	220838
4.838		1713236	1617073
4.87		21548	12086
4.898		372269	386420
4.95		2230852	2827817
5.001		215886	191047
5.037		1156750	1315664
5.083		122128	86821
5.12		210753	267528
5.154		3249537	3234683
5.195		54406	29119
5.221		732799	658393
5.263		494105	509304
5.358		525032	431231
5.383		809160	665003
5.44		464621	427207
5.478		323147	328260
5.52		37934	42662
5.558		483278	495569
5.593		39514	26609
5.619		2529193	2295130
5.718		4434	7767
5.778		2876	2963
5.822		1478683	1411400
5.852		105974	65995
5.878		253447	275761
5.92		1895	1461
5.961		1040	945
5.988		45724	40973
6.014		14149	10520
6.044		2370	1486
6.063		43074	31456
6.093		306641	305612
6.159		22093	23168
6.196		1187	1042
6.221		16675	11848
6.248		558269	542704
6.295		37739	35501
6.338		2825	2870
6.38		368	320
6.451		119181	126604
6.51		8550	10139

RT A	Compound A	Height A	Area A
6.566		5729	4866
6.599	DCB	67385	70112
6.636		15383	12724
6.659		672	489
6.7		806	287
6.779		654	2707
6.822		1126	1149
6.839		548	309
6.884		1243	1017
6.929		1184	1246
6.984		864	361

LANCASTER LABORATORIES

Sample Number: 9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:03:18 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: 25pcbs17284003B.111.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1981	3569
2.024		8010	3143
2.049		21024	20214
2.069		20786	17892
2.101		25166	41391
2.166		15628	16246
2.189		8565	4679
2.21		7697	4765
2.23		13062	7255
2.247		6316	10264
2.291		7185	8250
2.309		9960	15676
2.364		81912	64569
2.413		7132	4440
2.445		8705	5005
2.462		11207	5901
2.489		15028	15507
2.538		19750	22221
2.565		6797	5233
2.594		3958	2297
2.615	TCX	141692	91968
2.661		4390	1499
2.676		8115	3674
2.704		13768	23330
2.759		3230	2455
2.786		7973	3737
2.81		7164	4179
2.834		8783	11357
2.869		5365	2554
2.899		12724	5161
2.911		68089	33338
2.951		6221	4036
2.972		3840	1786
3.009		26312	24047
3.071		7171	6301
3.105		46417	21713
3.116		80006	36513
3.156		13442	7299
3.178		2834	1234
3.202		4645	1923
3.225		431047	278508
3.263		13110	8157
3.283		1822	1062
3.311		59660	55442
3.355		5508	3225
3.385		773035	570376
3.405		566533	321469
3.435		481372	295537
3.493		126264	108183
3.528		1137664	705766
3.551		1990411	1030477
3.569		2546535	1398863
3.597		5517	3141
3.626		2356	1004

RT B	Compound B	Height B	Area B
3.655		663123	390237
3.678		669726	367228
3.699		980041	649845
3.729		9097	3568
3.744		562684	389793
3.783		172424	137007
3.825		20787	14471
3.832		49942	20046
3.854		233855	134708
3.876		3367460	2107088
3.902		1722483	1011797
3.921		842678	449594
3.94		901020	536532
3.976		3629396	2462026
4.007		1835334	1119886
4.024		515284	260803
4.046		348576	213460
4.085		353835	281711
4.119		954300	650106
4.14		54110	35173
4.176		1667518	1220151
4.21		451309	403284
4.236		4849264	4094208
4.274		606052	578427
4.327		4088585	3280844
4.363		530490	437143
4.396		3321978	2220154
4.42		1022190	696589
4.462		4847669	3864684
4.518		31806	26372
4.563		3210730	3005685
4.614		1859958	1454485
4.655		1064427	911014
4.692		6289684	4967444
4.724		1194298	771189
4.762		1031819	774960
4.821		12179	8135
4.832		12493	6394
4.86		220180	141019
4.878		193791	113221
4.912		1727606	1252491
4.935		1030838	732106
4.985		1118587	939140
5.021		519211	424785
5.05		369673	291340
5.083		810592	478738
5.105		4706815	3628157
5.146		96704	64801
5.177		137690	117022
5.221		4218	2465
5.243		6231	5249
5.296		37650	22942
5.319		775609	648866
5.363		3395195	3483662
5.46		4381	2909
5.481		2240	1577
5.518		132146	111109
5.564		124928	111781
5.587		16741	8581
5.609		205035	151535
5.636		549712	434802
5.678		15508	15953
5.715		55433	36709
5.742		1332841	1095865
5.774		89293	64911
5.822		10226	8928

RT B	Compound B	Height B	Area B
5.872		1714	1753
5.94		312858	270014
6.005		20454	18895
6.051		1544	963
6.076		15005	9027
6.099	DCB	174116	142315
6.135		50094	46079
6.228		12545	24015
6.276		5048	3657
6.302		30670	26397
6.339		2562	1804
6.368		2712	2392
6.404		3954	5555
6.439		1291	1114
6.466		5387	4952
6.502		1839	1841
6.521		4297	3832
6.543		1728	689
6.557		715	242
6.575		1911	1739
6.602		2404	2082
6.64		2460	3654
6.66		1643	1060
6.7		1345	369
6.716		1393	797
6.754		848	1339
6.774		1463	1059
6.836		1503	1571
6.924		960	2278
6.936		1557	865
6.981		772	452

9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082

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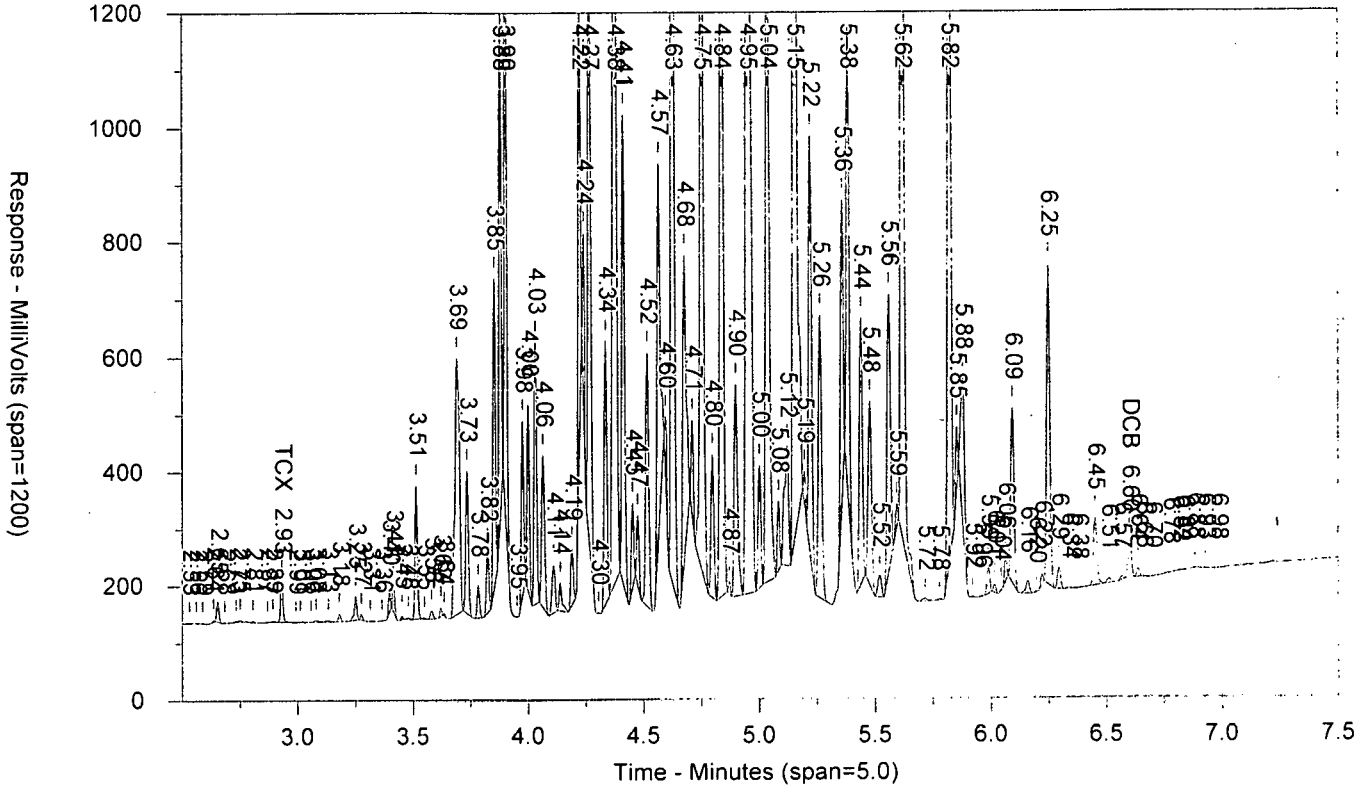

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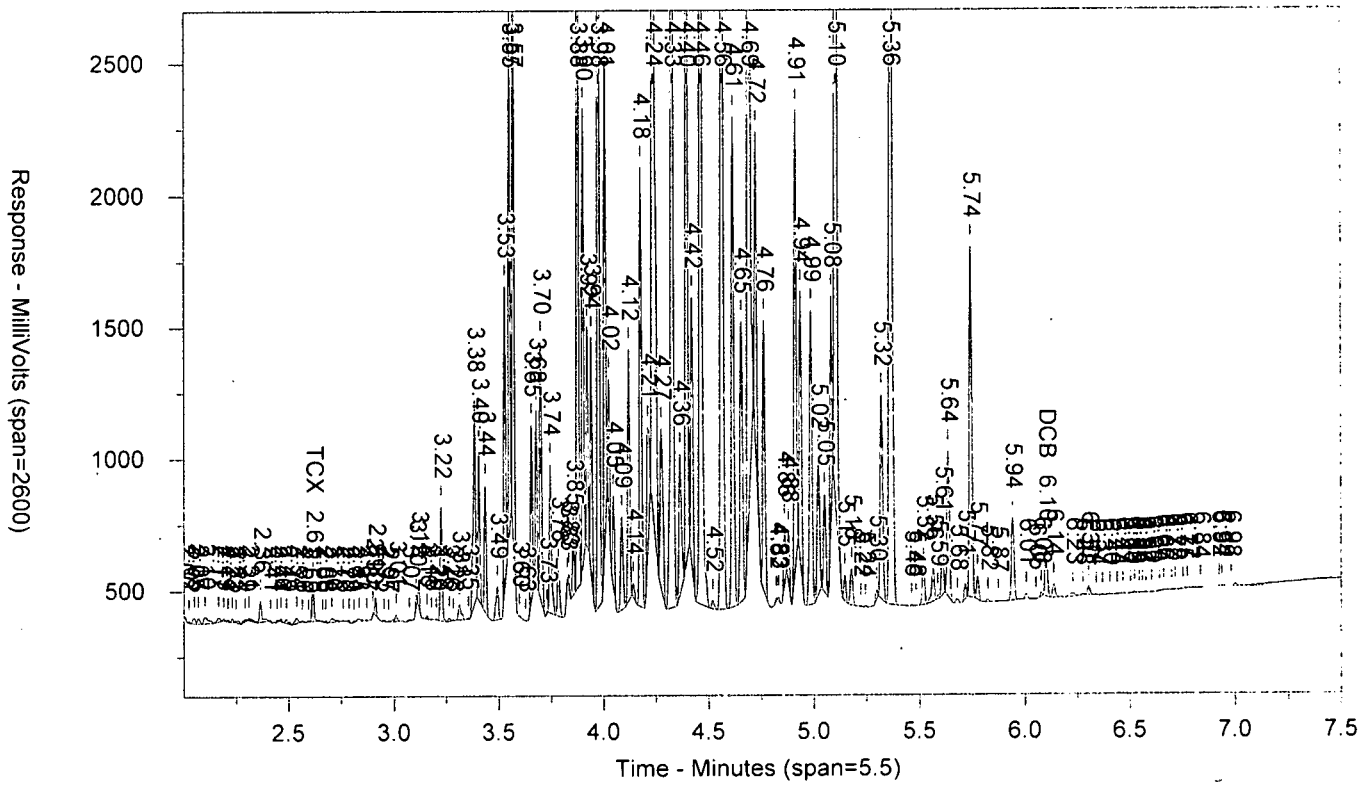

LANCASTER LABORATORIES

Sample Number: 9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:03:18 PM Sample Weight: 10.1
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	71945	23.607	TCX	2.615	141692	25.747	TCX
6.599	67385	34.608	DCB	6.099	174116	28.472	DCB

Files:
Area File: 25pcbs17284003.111.RAW
Area File: 25pcbs17284003B.111.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: 10/16/2017 3:11:49 PM
File Reported On: 10/16/2017 at 3:15:45 PM

9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082

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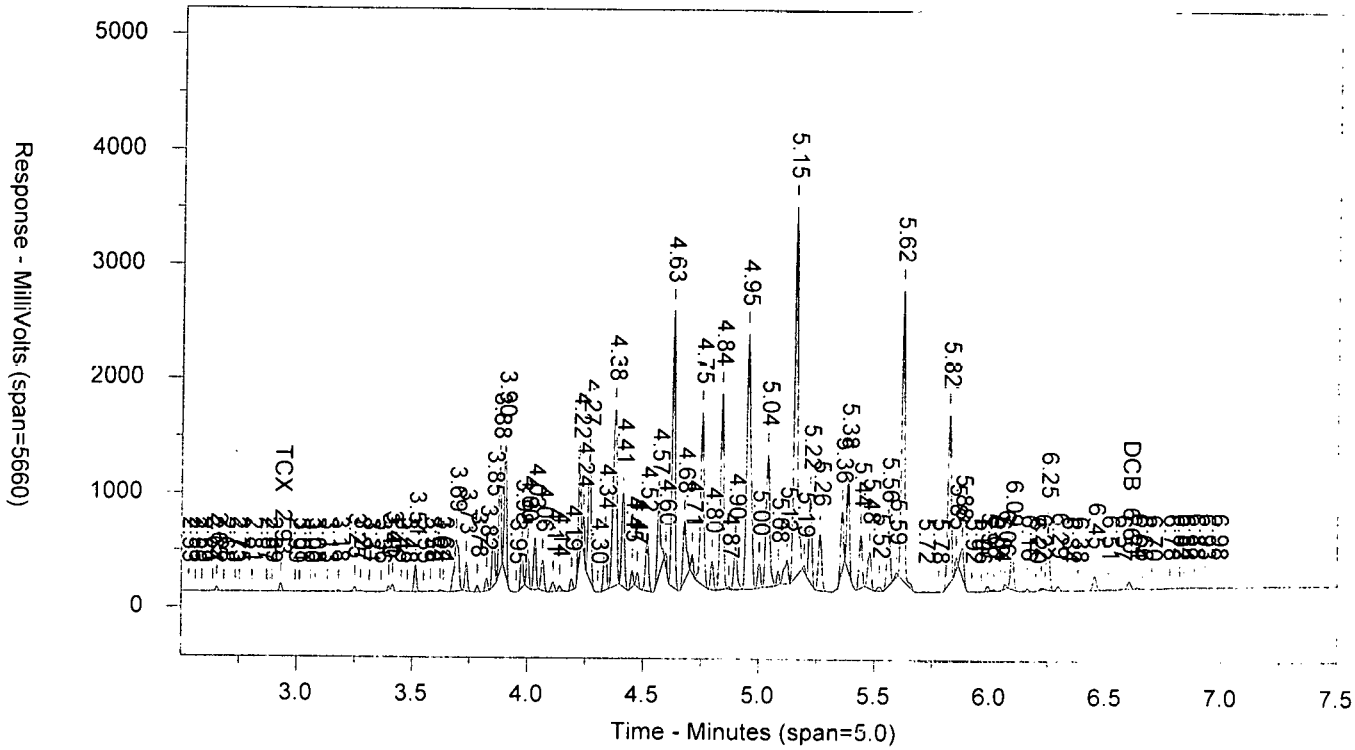

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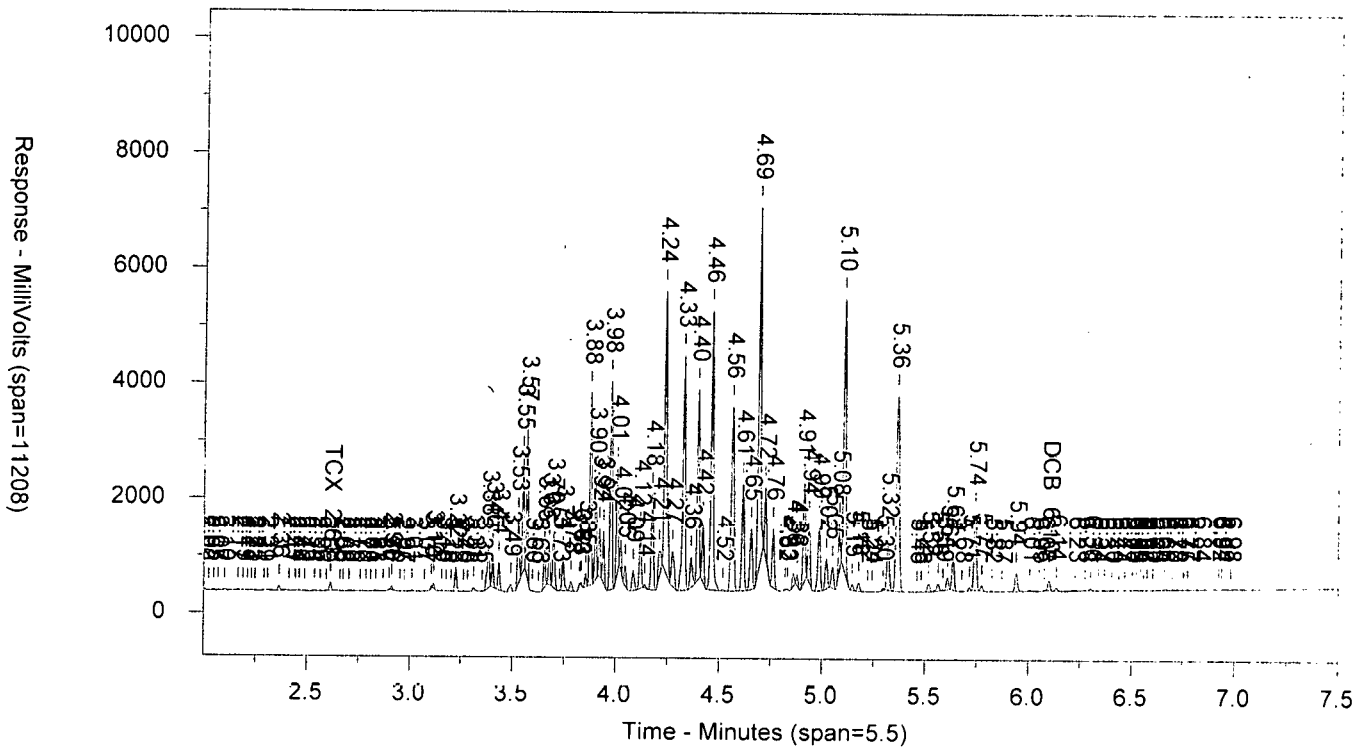

9229455 RI ACF DF50 AC98A06 T 172790013A 10225 SW-846 8082

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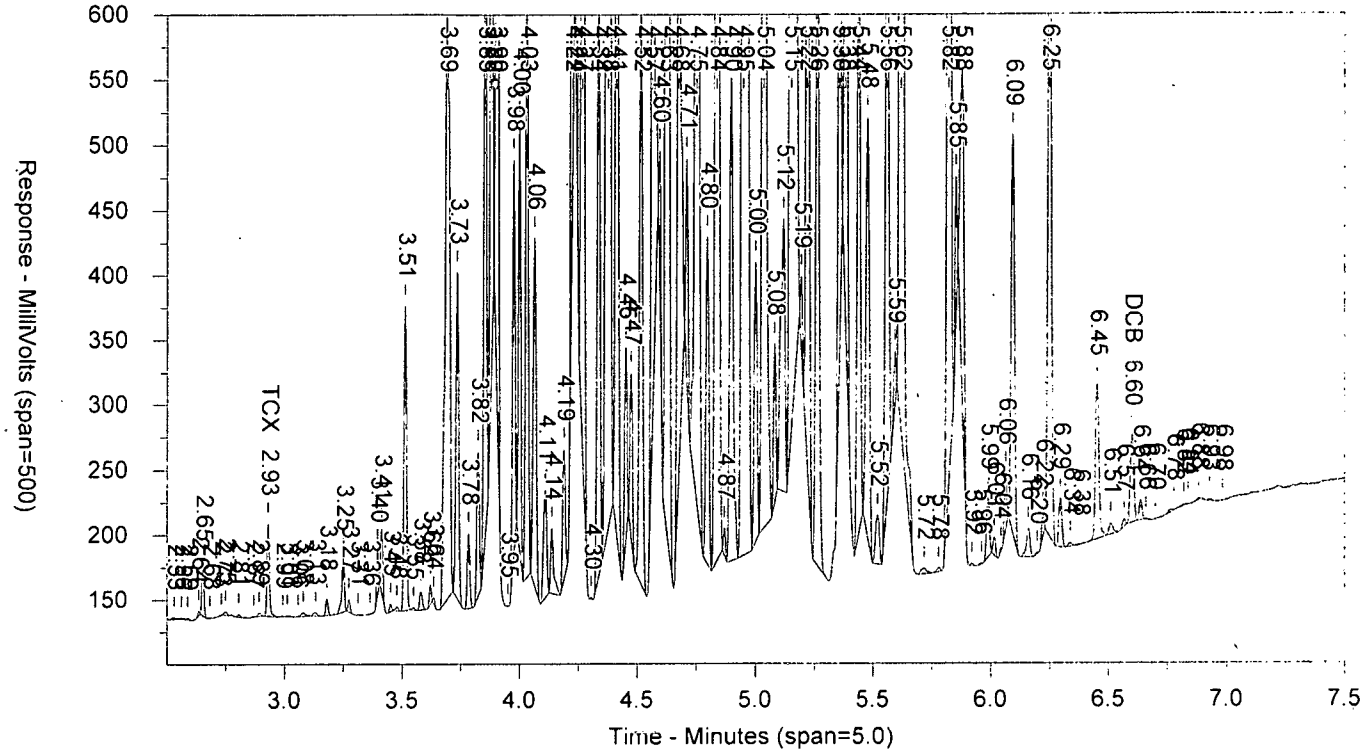

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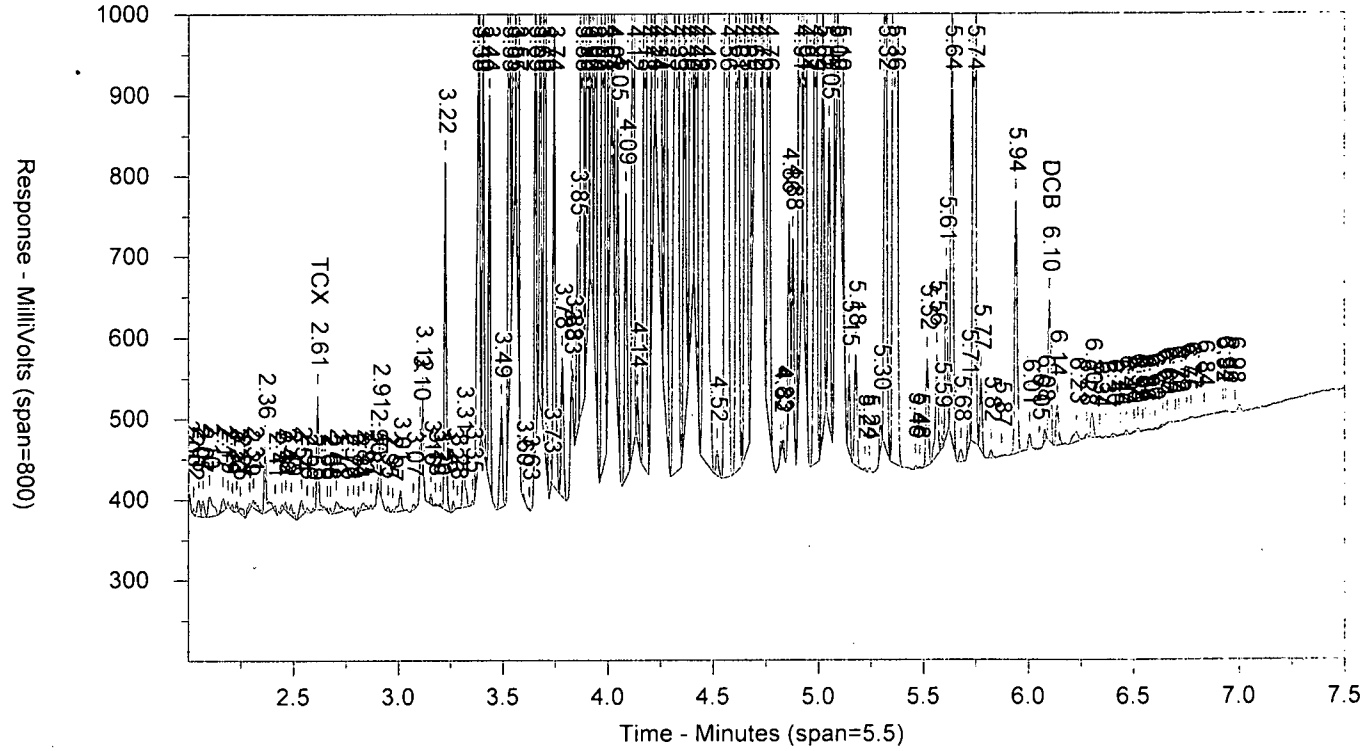

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Data Summary

Sample Name: 9229456 RI ACF DF100 98A07 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:14:36
Instrument	18274A
Result file	25PCBS17284003.112.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 80% (61 - 152) Conc: 24.47515
%SSR(DCB) 141% (48 - 164) Conc: 38.15467

Analysis Report (B)

Injected on	Oct 16, 2017 15:14:36
Instrument	18274B
Result file	25PCBS17284003B.112.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 29.03324
%SSR(DCB) 119% (48 - 164) Conc: 32.10211

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	37037	24.47515	Tetrachloro-m-xylene	2.58	2.61	2.64	79335	29.03324
Decachlorobiphenyl	6.57	6.60	6.63	36888	38.15467	Decachlorobiphenyl	6.07	6.10	6.13	97476	32.10211

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.03324				17.04	
☑	Tetrachloro-m-xylene-D1	A	24.47515					
☑	Tetrachloro-m-xylene-D2	B	29.03324					
☐	Decachlorobiphenyl	A	38.15467				17.23	
☑	Decachlorobiphenyl-D1	A	38.15467					
☑	Decachlorobiphenyl-D2	B	32.10211					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**35.07**	
4.55	4.56	4.59	321617.8	10559.976309			1
4.61	4.63	4.65	1304842	21879.298642			2
4.82	4.84	4.86	839615.7	20610.668569			4
Height summation:			**2466075.5**				
Concentration		CF:	**17683.314507**	L:			
Aroclor-1260						**13.14**	
5.36	5.38	5.40	798698.2	22868.751091			4
5.60	5.62	5.64	2555087	29314.103825			5
5.80	5.82	5.84	1574576	28621.423347			6
Height summation:			**4928361.2**				
Concentration		CF:	**26934.759421**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**6.49**	
4.22	4.24	4.26	2716127	21002.021289			1
4.38	4.40	4.42	1516737	19824.879596			3
4.59	4.61	4.63	1025288	18440.721912			5
Height summation:			**5258152**				
Concentration		CF:	**19755.874266**	L:			
Aroclor-1260						**14.02**	
4.89	4.91	4.93	1736469	22898.526025			4
5.09	5.10	5.13	5104479	29723.131012			5
5.34	5.36	5.38	3718355	29320.197944			6
Height summation:			**10559303**				
Concentration		CF:	**27313.95166**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:12

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Data Summary

Sample Name: 9229456 RI ACF DF100 98A07 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:14:36
Instrument	18274A
Result file	25PCBS17284003.112.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 15:14:36
Instrument	18274B
Result file	25PCBS17284003B.112.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			<5084.7458	<987.0389	D1		4	
☑ PCB-1221			<5084.7458	<1525.4237	D1		3	
☑ PCB-1232			<5084.7458	<1226.321	D1		4	
☑ PCB-1242			<5084.7458	<1226.321	D1		4	
☑ PCB-1248			<5084.7458	<987.0389	D1		4	
☑ PCB-1254	B	19755.874266	5084.7458	1316.0518	D2	11.07	4	
☑ PCB-1260	B	27313.95166	5084.7458	1166.5005	D2	1.40	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229456** RI ACF DF100 98A07 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274A
Result file : 25PCBS17284003.112.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 80% (61-152) Conc.: 24.47515
%SSR(DCB) : 141% (48-164) Conc.: 38.15467

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	122.56	
3.16	3.18	3.20	2818.037	106.451713			1
+ 3.38	3.40	3.42	8347.762	340.920312			2
3.38	3.41	3.42	10989.85	448.822461			2
3.49	3.51	3.53	56091.14	1788.208014			3
3.71	3.74	3.75	126012	3519.364554			4
3.76	3.78	3.80	14414.4	465.632327			5
3.96	3.98	4.00	153972.8	7390.545432			6
Height Summation:			**364298.227**				
Amount Avg CF:			**2286.504084**	Linear:			
Aroclor-1221					3	15.91	
3.06	3.08	3.10	1415.982	125.318372			1
3.11	3.13	3.15	1057.069	106.266375			2
3.16	3.18	3.20	2818.037	91.160177			3
Height Summation:			**5291.088**				
Amount Avg CF:			**107.581641**	Linear:			
Aroclor-1232					6	128.20	
3.16	3.18	3.20	2818.037	104.105693			1
+ 3.38	3.40	3.42	8347.762	827.420432			2
3.38	3.41	3.42	10989.85	1089.301113			2
3.49	3.51	3.53	56091.14	4117.05287			3
3.70	3.74	3.74	126012	7607.881256			4
3.76	3.78	3.80	14414.4	1178.98594			5
3.95	3.98	3.99	153972.8	18499.231065			6
Height Summation:			**364298.227**				
Amount Avg CF:			**5432.759656**	Linear:			
Aroclor-1242					6	125.22	
3.16	3.18	3.20	2818.037	77.078725			1
+ 3.37	3.40	3.41	8347.762	269.624859			2
3.37	3.41	3.41	10989.85	354.961815			2
3.49	3.51	3.53	56091.14	1350.734258			3
3.70	3.74	3.74	126012	2442.917513			4
3.76	3.78	3.80	14414.4	364.20253			5
3.95	3.98	3.99	153972.8	5744.939925			6
Height Summation:			**364298.227**				
Amount Avg CF:			**1722.472461**	Linear:			
Aroclor-1248					6	79.03	
3.71	3.74	3.75	126012	6448.843772			1
3.76	3.78	3.80	14414.4	852.377205			2
3.83	3.85	3.87	265695.5	10392.054683			3
3.98	4.00	4.02	137230.5	17299.430717			4
4.04	4.06	4.08	128607.8	5135.733279			5
4.22	4.22	4.26	560010.9	23345.776385			6
Height Summation:			**1231971.1**				
Amount Avg CF:			**10579.036007**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274B
Result file : 25PCBS17284003B.112.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 29.03324
%SSR(DCB) : 119% (48-164) Conc.: 32.10211

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	133.18	
2.88	2.91	2.92	89608.01	1867.89911			1
3.21	3.23	3.25	112494.9	1936.600263			2
3.40	3.41	3.44	267785.9	4696.522269			3
+ 3.40	3.44	3.44	248605.3	4360.126234			3
3.47	3.49	3.51	37244.55	594.042247			4
+ 3.53	3.55	3.57	883052.2	16929.891126			5
3.53	3.57	3.57	1251499	23993.759162			5
3.64	3.65	3.68	343094.4	6513.692704			6
Height Summation:			**2101726.76**				
Amount Avg CF:			**6600.419293**	Linear:			
Aroclor-1221					2	77.44	
2.83	2.83	2.87	6483.94	465.186588			2
2.88	2.91	2.92	89608.01	1591.403094			3
Height Summation:			**96091.95**				
Amount Avg CF:			**1028.294841**	Linear:			
Aroclor-1232					6	151.17	
2.88	2.91	2.92	89608.01	1752.938208			1
3.21	3.23	3.25	112494.9	4376.084102			2
3.40	3.41	3.44	267785.9	10555.364382			3
+ 3.40	3.44	3.44	248605.3	9799.319265			3
3.47	3.49	3.51	37244.55	1424.971449			4
E+ 3.53	3.55	3.57	883052.2	49605.215262			5
E 3.53	3.57	3.57	1251499	70302.613248			5
3.63	3.65	3.67	343094.4	16828.293183			6
Height Summation:			**2101726.76**				
Amount Avg CF:			**17540.044095**	Linear:			
Aroclor-1242					6	145.60	
2.88	2.91	2.92	89608.01	1426.541109			1
3.21	3.23	3.25	112494.9	1487.612885			2
3.40	3.41	3.44	267785.9	3213.11875			3
+ 3.40	3.44	3.44	248605.3	2982.973901			3
3.47	3.49	3.51	37244.55	452.01644			4
+ 3.53	3.55	3.57	883052.2	15184.709359			5
E 3.53	3.57	3.57	1251499	21520.413604			5
3.63	3.65	3.67	343094.4	4890.118575			6
Height Summation:			**2101726.76**				
Amount Avg CF:			**5498.303561**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229456** RI ACF DF100 98A07 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274A
Result file : 25PCBS17284003.112.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	65.79	
4.55	4.56	4.59	321617.8	10559.976309			1
+ 4.55	4.58	4.59	63274.47	2077.549514			1
4.61	4.63	4.65	1304842	21879.298642			2
+ 4.73	4.73	4.77	14382.53	750.580528			3
4.73	4.75	4.77	1192368	62226.061998			3
4.82	4.84	4.86	839615.7	20610.668569			4
5.02	5.04	5.06	824997.3	27800.220176			5
5.13	5.15	5.17	2624940	63065.81573			6
Height Summation:			**7108380.8**				
Amount Avg CF:			**34357.006904**	Linear:			
Aroclor-1260					6	20.49	
+ 4.73	4.73	4.77	14382.53	306.941684			1
4.73	4.75	4.77	1192368	25446.666301			1
4.93	4.95	4.97	1843178	34025.93927			2
5.13	5.15	5.17	2624940	39964.06326			3
5.36	5.38	5.40	798698.2	22868.751091			4
5.60	5.62	5.64	2555087	29314.103825			5
5.80	5.82	5.84	1574576	28621.423347			6
Height Summation:			**10588847.2**				
Amount Avg CF:			**30040.157849**	Linear:			
Aroclor-1262					6	35.25	
5.20	5.22	5.24	772162	14118.895093			1
5.36	5.38	5.40	798698.2	16755.235849			2
E 5.60	5.62	5.64	2555087	23685.068076			3
E 5.80	5.82	5.84	1574576	22152.965937			4
5.86	5.88	5.90	261731.8	7785.851912			5
6.23	6.25	6.27	590493.4	14519.852149			6
Height Summation:			**6552748.4**				
Amount Avg CF:			**16502.978169**	Linear:			
Aroclor-1268					6	96.09	
5.80	5.82	5.84	1574576	12859.807189			1
5.86	5.88	5.90	261731.8	2372.261064			2
5.99	6.01	6.03	13241.9	129.0233			3
+ 6.06	6.06	6.10	45480.34	1591.453373			4
6.06	6.09	6.10	280670.4	9821.251441			4
6.23	6.25	6.27	590493.4	13258.002741			5
6.43	6.45	6.47	113510.9	332.870802			6
Height Summation:			**2834224.4**				
Amount Avg CF:			**6462.202756**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274B
Result file : 25PCBS17284003B.112.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	76.48	
3.40	3.41	3.44	267785.9	9282.191169			1
+ 3.40	3.44	3.44	248605.3	8617.339152			1
3.47	3.49	3.51	37244.55	1073.214969			2
3.51	3.53	3.55	562959.4	9895.133806			3
3.64	3.65	3.68	343094.4	4924.469254			4
+ 3.73	3.73	3.77	7272.341	150.553879			5
3.73	3.74	3.77	267962.3	5547.424654			5
3.86	3.88	3.90	1684815	19834.206635			6
Height Summation:			**3163861.55**				
Amount Avg CF:			**8426.106748**	Linear:			
Aroclor-1254					6	64.52	
+ 4.22	4.22	4.26	263885	2040.448914			1
4.22	4.24	4.26	2716127	21002.021289			1
4.31	4.33	4.35	3292688	52519.523346			2
4.38	4.40	4.42	1516737	19824.879596			3
4.44	4.46	4.48	4196729	85903.324837			4
4.59	4.61	4.63	1025288	18440.721912			5
4.67	4.69	4.71	4716904	55893.56331			6
Height Summation:			**17464473**				
Amount Avg CF:			**42264.005715**	Linear:			
Aroclor-1260					6	14.31	
4.31	4.33	4.35	3292688	30026.215587			1
4.44	4.46	4.48	4196729	35677.01375			2
4.55	4.56	4.59	2649612	27129.894685			3
4.89	4.91	4.93	1736469	22898.526025			4
5.09	5.10	5.13	5104479	29723.131012			5
5.34	5.36	5.38	3718355	29320.197944			6
Height Summation:			**20698332**				
Amount Avg CF:			**29129.163167**	Linear:			
Aroclor-1262					6	37.50	
4.70	4.72	4.74	1344594	11440.702424			1
4.89	4.91	4.93	1736469	15623.218886			2
E 5.08	5.10	5.12	5104479	22018.31601			3
5.30	5.32	5.34	767902.7	8347.917424			4
E 5.34	5.36	5.38	3718355	23610.120042			5
5.72	5.74	5.76	1501156	14142.91948			6
Height Summation:			**14172955.7**				
Amount Avg CF:			**15863.865711**	Linear:			
Aroclor-1268					6	128.05	
5.30	5.32	5.34	767902.7	2802.919993			1
5.35	5.36	5.39	3718355	13369.327253			2
5.50	5.52	5.54	91466.66	360.829338			3
5.57	5.59	5.61	17486.24	252.752336			4
5.72	5.74	5.76	1501156	13482.565001			5
5.92	5.94	5.96	308051.4	304.444086			6
Height Summation:			**6404418**				
Amount Avg CF:			**5095.473001**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229456** RI ACF DF100 98A07 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.03 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274A
Result file : 25PCBS17284003.112.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 15:14:36
Instrument : CP25--18274B
Result file : 25PCBS17284003B.112.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			5084.7458	987.0389		** 97.08	4	40	
Aroclor-1221			5084.7458	1525.4237		** 162.12	3	5	
Aroclor-1232			5084.7458	1226.321		** 105.41	4	10	
Aroclor-1242			5084.7458	1226.321		** 104.58	4	30	
Aroclor-1248			5084.7458	987.0389		22.66	4	40	
Aroclor-1254			5084.7458	1316.0518		20.64	4	40	
Aroclor-1260			5084.7458	1166.5005		3.08	4	40	
Aroclor-1262			5084.7458	987.0389	E	3.95	4	40	
Aroclor-1268			5084.7458	987.0389		23.65	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:14:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.112.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.006		645	424
2.037		7876	11261
2.084		4112	7696
2.137		1169	688
2.155		1249	1049
2.205		33577	27315
2.319		560	366
2.333		1783	925
2.367		1413	965
2.398		1173	1348
2.452		587	335
2.49		4884	5211
2.532		1461	1811
2.561		1473	1420
2.587		511	373
2.637		2605	1300
2.653		27769	17789
2.687		396	208
2.709		294	236
2.749		2126	3369
2.806		1943	1328
2.874		305	270
2.894		3105	3003
2.93	TCX	37037	26261
3.077		1416	2400
3.126		1057	1087
3.181		2818	2026
3.25		42117	31583
3.273		1592	831
3.321		703	743
3.397		8348	4666
3.413		10990	6727
3.449		1672	957
3.466		601	214
3.477		1087	770
3.512		56091	39403
3.58		4738	3555
3.605		1078	600
3.621		2238	1121
3.636		1425	736
3.7		151803	184154
3.735		126012	95919
3.783		14414	10263
3.824		43650	33261
3.853		265696	193454
3.879		392952	270008
3.902		556448	393199
3.975		153973	114569
3.999		137231	96947
4.031		205976	164763
4.065		128608	121564
4.111		56988	49260
4.138		31127	22949
4.164		2748	1556

RT A	Compound A	Height A	Area A
4.189		47554	35894
4.224		560011	609776
4.267		531279	480902
4.335		273321	231468
4.377		913253	995532
4.412		494709	429158
4.452		96944	69695
4.473		59513	41683
4.516		252752	234736
4.565		321618	249438
4.582		63274	86983
4.627		1304842	1151231
4.676		477645	510951
4.711		107505	67385
4.732		14383	8009
4.752		1192368	1100185
4.797		120916	108722
4.837		839616	814854
4.87		14139	8148
4.898		323212	319119
4.95		1843178	2346502
5.001		228760	202075
5.037		824997	914443
5.082		79471	55590
5.12		171580	214737
5.153		2624940	2631626
5.196		34501	16556
5.222		772162	693520
5.263		531250	517914
5.358		388862	309898
5.383		798698	674864
5.438		457471	432624
5.477		322986	312480
5.519		36558	40861
5.559		381732	386748
5.593		14291	9294
5.618		2555087	2522073
5.714		2302	2973
5.782		1123	1639
5.821		1574576	1450192
5.852		96000	63528
5.878		261732	287559
5.921		1133	816
5.958		1796	1663
5.988		27917	23453
6.013		13242	10418
6.064		45480	34540
6.091		280670	274317
6.158		11546	12526
6.195		1363	774
6.22		7372	4730
6.247		590493	587662
6.293		37855	36508
6.336		2840	2645
6.386		543	325
6.45		113511	118143
6.51		8849	10472
6.568		2061	2045
6.599	DCB	36888	39079
6.635		7717	6497
6.66		1837	1501
6.712		560	567
6.733		689	580
6.771		2352	3824
6.821		1305	840
6.846		531	451

RT A	Compound A	Height A	Area A
6.881		3416	5054
6.925		1065	575
6.972		651	188
6.994		707	191

LANCASTER LABORATORIES

Sample Number: 9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:14:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.112.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.024		5308	2329
2.046		10814	10791
2.069		10683	9747
2.099		12197	22573
2.164		7074	6588
2.189		4696	3065
2.211		4159	2471
2.229		8118	6605
2.288		5284	5657
2.309		6704	10885
2.365		65025	61924
2.444		4598	4306
2.463		5648	3247
2.489		6635	4407
2.538		12456	14511
2.564		4158	3368
2.592		3018	1731
2.615	TCX	79335	59423
2.676		5259	2549
2.704		7242	11725
2.763		5853	12545
2.809		5082	3316
2.832		6484	7866
2.869		3648	2077
2.911		89608	65573
2.952		4193	2819
2.973		2653	1225
2.992		2327	1885
3.008		5641	3649
3.033		2756	2520
3.072		3948	3346
3.091		1821	624
3.106		11786	5640
3.116		19811	8719
3.157		4524	2666
3.178		1634	749
3.193		1095	351
3.201		1512	455
3.225		112495	74946
3.264		9310	5926
3.28		629	182
3.297		482	117
3.313		17622	16058
3.354		3623	2008
3.385		164195	124726
3.405		267786	156651
3.435		248605	152139
3.492		37245	39984
3.528		562959	342288
3.551		883052	474651
3.569		1251499	697722
3.655		343094	205568
3.678		278955	158454
3.699		460496	323788

RT B	Compound B	Height B	Area B
3.729		7272	2907
3.744		267962	197570
3.782		111104	82044
3.824		88178	67549
3.854		69479	41253
3.876		1684815	1079312
3.902		619276	352157
3.921		605436	347205
3.94		529845	321441
3.975		2218982	1499602
4.006		1054916	662731
4.024		274665	138146
4.046		235679	152550
4.085		190308	168311
4.119		512112	339011
4.14		87873	72453
4.175		1070675	744995
4.217		263885	281534
4.236		2716127	2493924
4.273		499306	476128
4.326		3292688	2679605
4.363		267438	236341
4.396		1516737	1017650
4.42		873156	607125
4.462		4196729	3303284
4.517		33167	23568
4.564		2649612	2496591
4.614		1025288	826272
4.655		887282	760167
4.691		4716904	3950052
4.724		1344594	882482
4.762		1081466	821059
4.821		7211	3794
4.832		13430	6901
4.861		207925	141999
4.878		131207	77233
4.912		1736469	1293312
4.935		687953	481695
4.985		1021690	902860
5.02		559349	436480
5.05		377087	302019
5.082		435504	276127
5.105		5104479	4084553
5.146		97341	71940
5.177		132057	106161
5.219		3405	2468
5.243		3795	2774
5.295		37008	22708
5.318		767903	649988
5.364		3718355	3678562
5.463		2959	2345
5.483		1944	918
5.517		91467	77502
5.563		130859	107566
5.586		17486	9475
5.608		110838	78988
5.635		579028	481621
5.677		10453	11143
5.714		28099	17959
5.741		1501156	1216627
5.772		92535	70682
5.821		7199	7064
5.87		1014	735
5.94		308051	262346
6.005		18155	17128
6.076		8595	5025

RT B	Compound B	Height B	Area B
6.098	DCB	97476	77904
6.135		28323	28365
6.175		1147	458
6.227		9389	20512
6.274		6531	4871
6.302		22776	21094
6.366		1553	1077
6.403		4531	6270
6.433		2732	1881
6.465		5355	5325
6.519		4291	7053
6.55		1122	587
6.567		2536	2776
6.605		3470	2524
6.637		3107	3248
6.672		1438	2313
6.716		1499	1650
6.754		896	1412
6.776		2885	4115
6.832		2715	3958
6.87		1602	2349
6.896		1252	759
6.922		1390	1483

9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082

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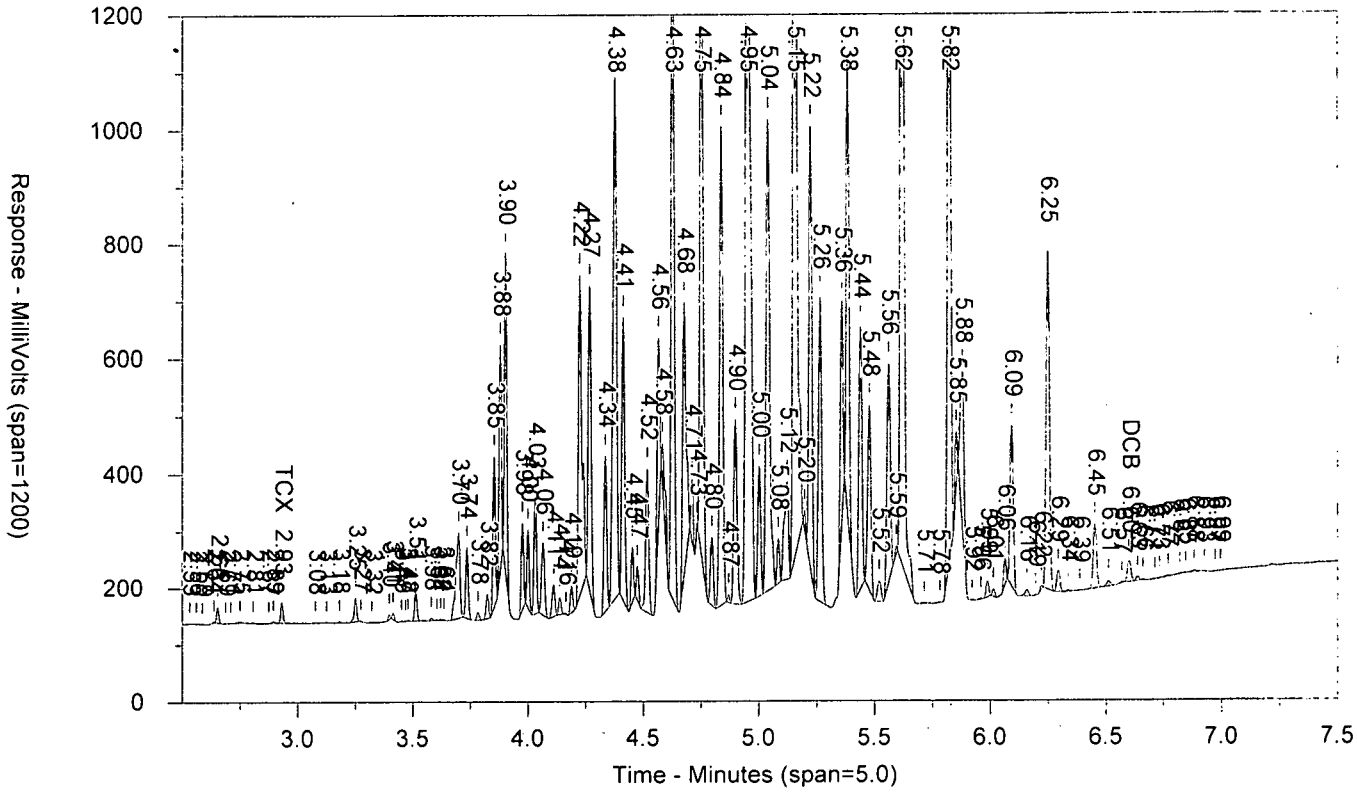

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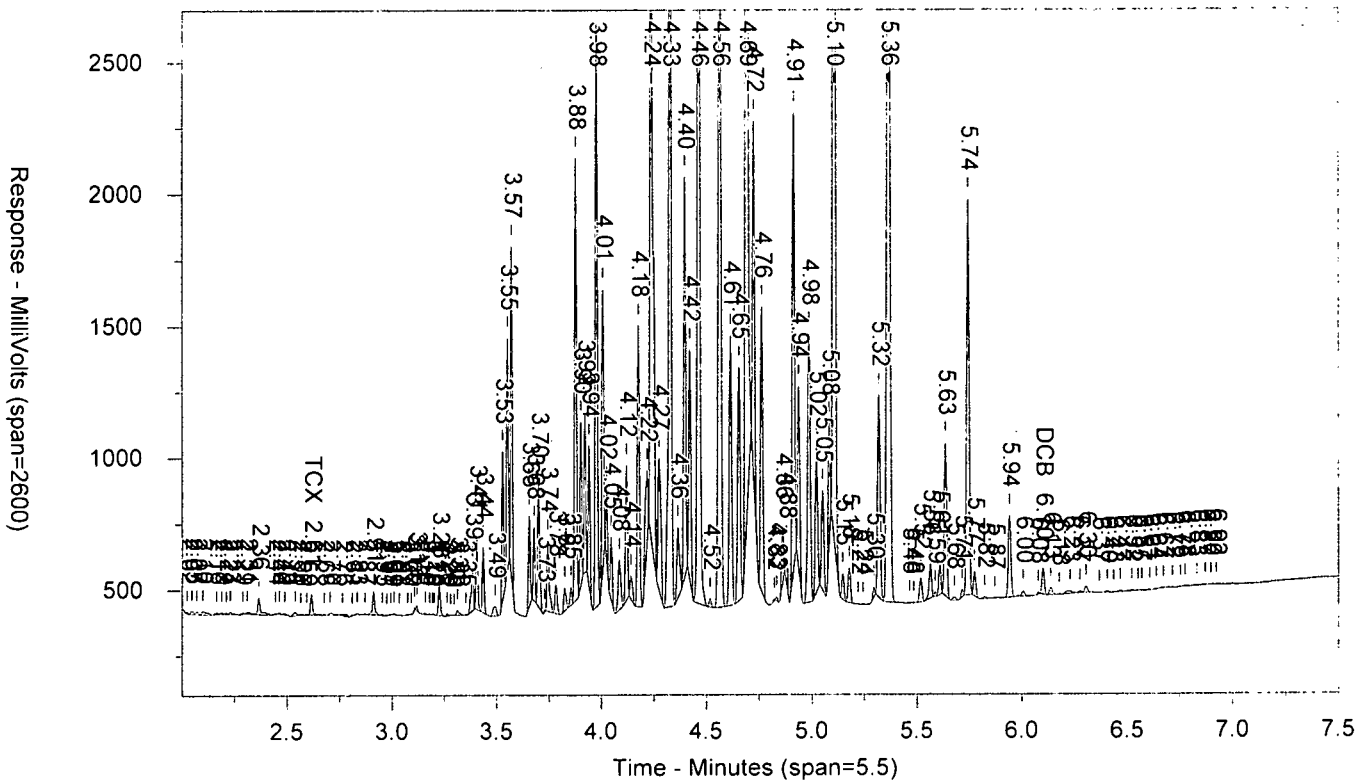

LANCASTER LABORATORIES

Sample Number: 9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:14:36 PM Sample Weight: 10.03
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	37037	24.475	TCX	2.615	79335	29.033	TCX
6.599	36888	38.155	DCB	6.098	97476	32.102	DCB

Files:
Area File: 25pcbs17284003.112.RAW
Area File: 25pcbs17284003B.112.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: 10/16/2017 3:23:07 PM
File Reported On: 10/16/2017 at 3:23:18 PM

9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082

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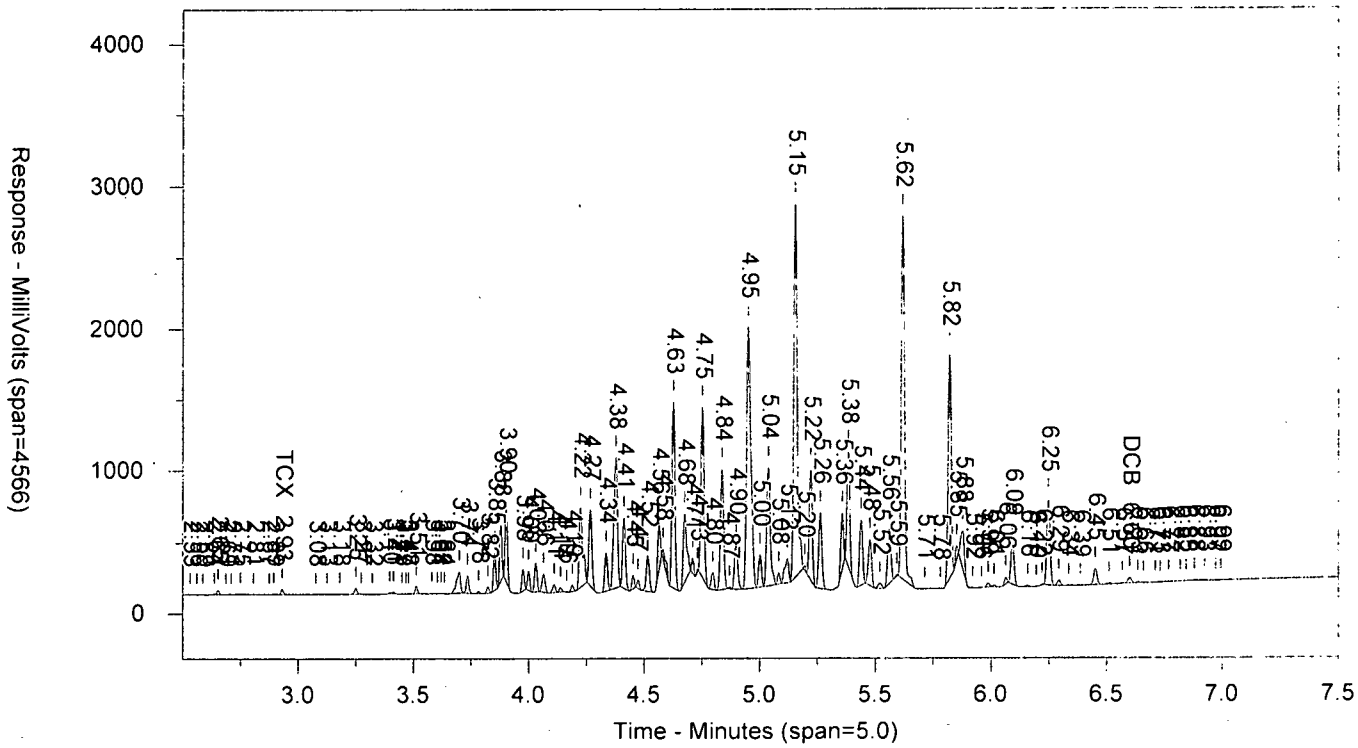

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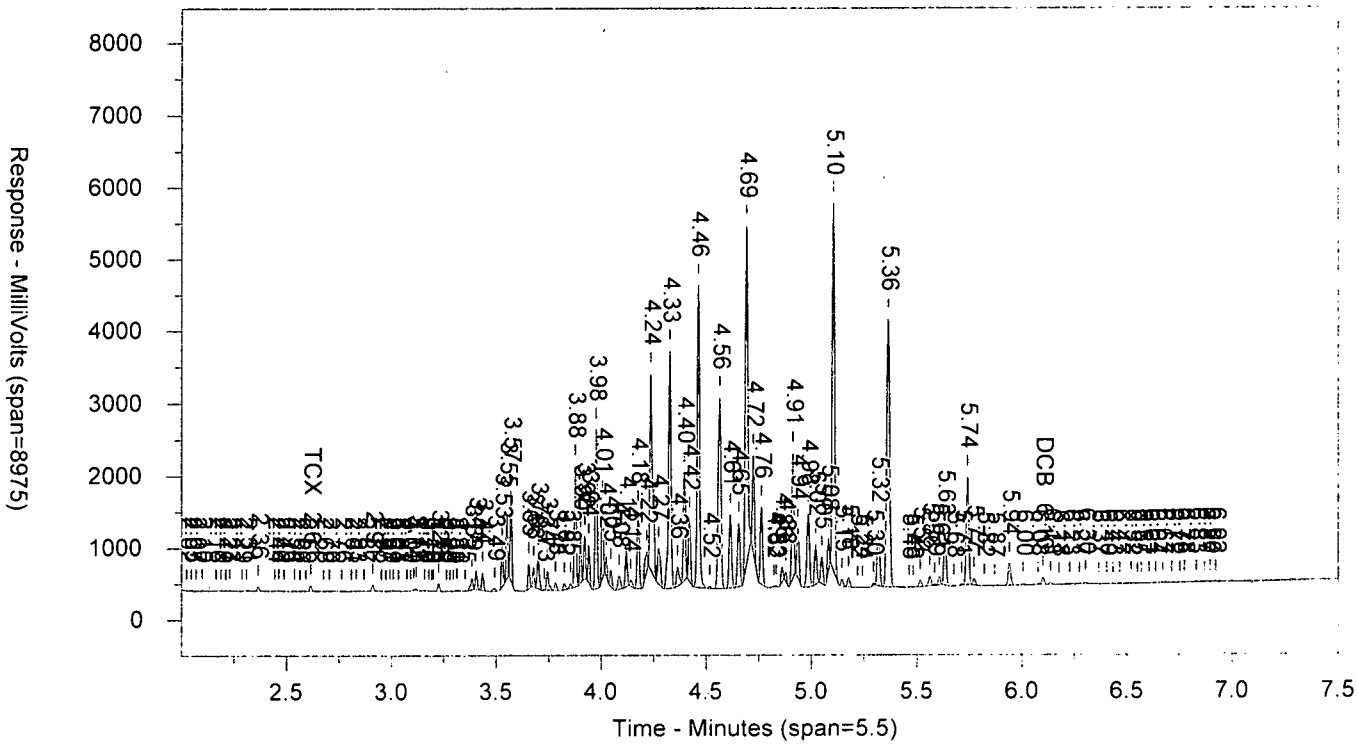

9229456 RI ACF DF100AC98A07 T 172790013A 10225 SW-846 8082

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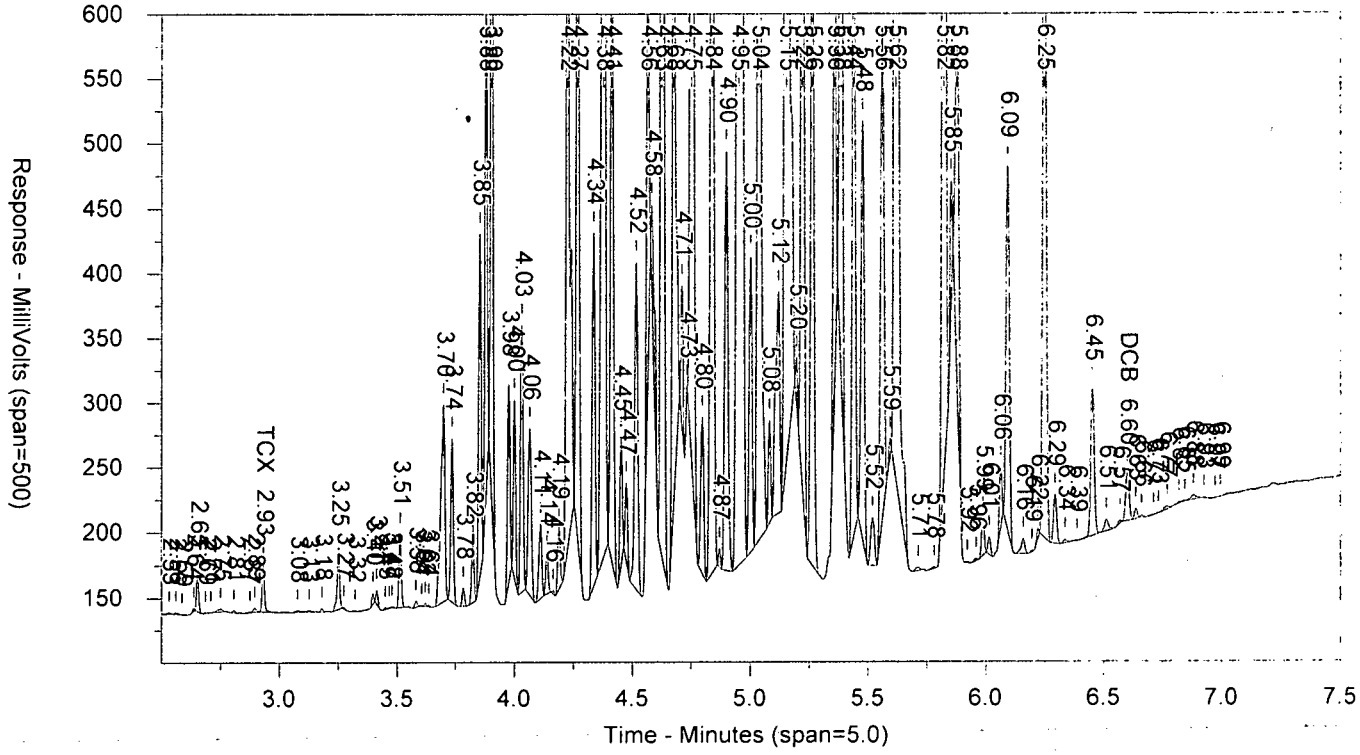

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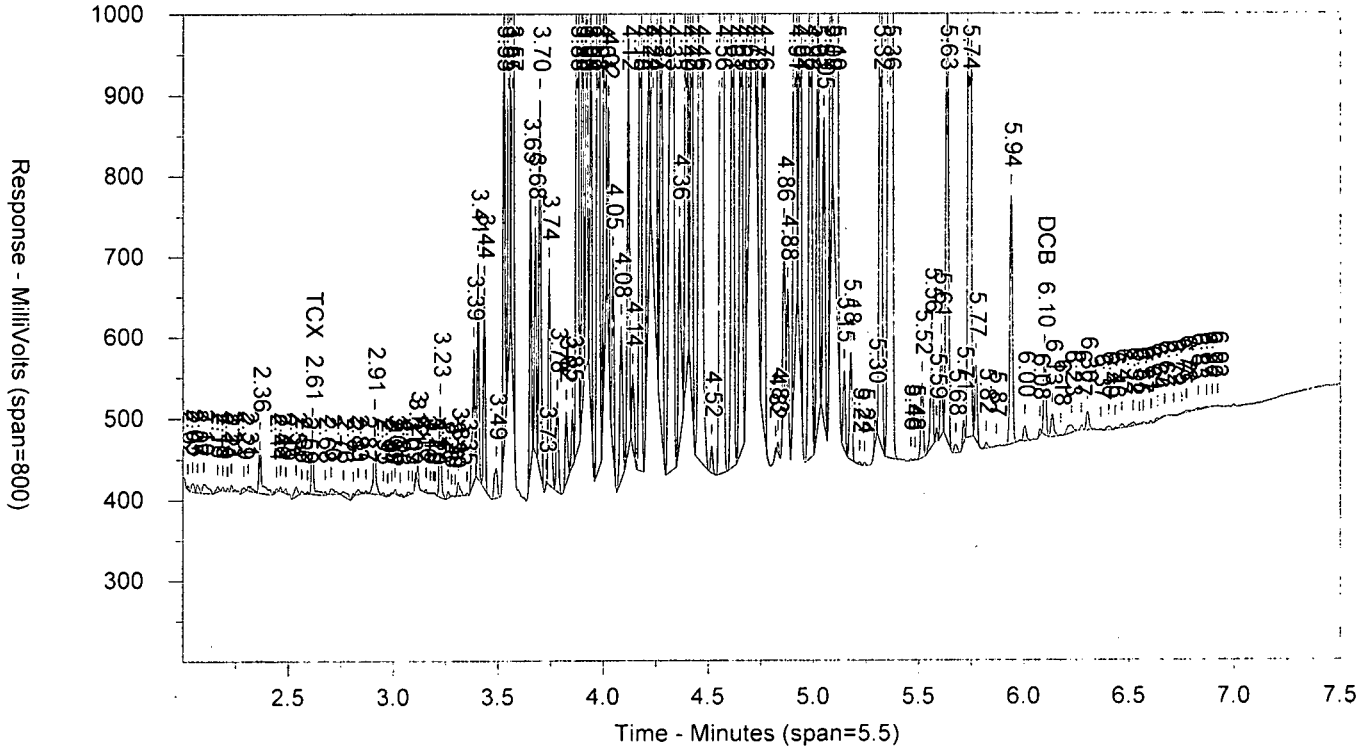

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Data Summary

Sample Name: 9229457 RI ACF DF50 98A08 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:25:54
Instrument	18274A
Result file	25PCBS17284003.113.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 71% (61 - 152) Conc: 21.04905
%SSR(DCB) 111% (48 - 164) Conc: 29.40925

Analysis Report (B)

Injected on	Oct 16, 2017 15:25:54
Instrument	18274B
Result file	25PCBS17284003B.113.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 81% (61 - 152) Conc: 24.29102
%SSR(DCB) 94% (48 - 164) Conc: 24.97904

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	65102	21.04905
Decachlorobiphenyl	6.57	6.60	6.63	58113	29.40925

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	135664	24.29102
Decachlorobiphenyl	6.07	6.10	6.13	155022	24.97904

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	24.29102				14.30	
☑	Tetrachloro-m-xylene-D1	A	21.04905					
☑	Tetrachloro-m-xylene-D2	B	24.29102					
☐	Decachlorobiphenyl	A	29.40925				16.29	
☑	Decachlorobiphenyl-D1	A	29.40925					
☑	Decachlorobiphenyl-D2	B	24.97904					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**36.19**	
4.55	4.56	4.59	484275.6	7779.69421			1
4.61	4.63	4.65	1995912	16374.344762			2
4.82	4.84	4.86	1324634	15909.425558			4
Height summation:			**3804821.6**				
Concentration		CF:	**13354.488177**	L:			
Aroclor-1260						**12.29**	
5.36	5.38	5.40	567029.6	7943.511787			4
5.60	5.62	5.64	1726358	9690.559735			5
5.80	5.82	5.84	1132658	10073.339442			6
Height summation:			**3426045.6**				
Concentration		CF:	**9235.803655**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.08**	
4.22	4.24	4.26	4102440	15520.30786			1
4.38	4.40	4.42	2563760	16395.501921			3
4.59	4.61	4.63	1358727	11956.699701			5
Height summation:			**8024927**				
Concentration		CF:	**14624.169827**	L:			
Aroclor-1260						**9.64**	
4.89	4.91	4.93	1226260	7911.705758			4
5.09	5.10	5.13	3336585	9505.88157			5
5.34	5.36	5.38	2399224	9256.225291			6
Height summation:			**6962069**				
Concentration		CF:	**8891.270873**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:14

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Data Summary

Sample Name: 9229457 RI ACF DF50 98A08 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:25:54
Instrument	18274A
Result file	25PCBS17284003.113.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 15:25:54
Instrument	18274B
Result file	25PCBS17284003B.113.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			<2487.8048	<482.9268	D1		4	
☑ PCB-1221			<2487.8048	<746.3415	D1		3	
☑ PCB-1232			<2487.8048	<600	D1		4	
☑ PCB-1242			<2487.8048	<600	D1		4	
☑ PCB-1248			<2487.8048	<482.9268	D1		4	
☑ PCB-1254	B	14624.169827	2487.8048	643.9024	D2	9.08	4	
☑ PCB-1260	A	9235.803655	2487.8048	570.7317	D1	3.80	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229457** RI ACF DF50 98A08 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274A
Result file : 25PCBS17284003.113.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 71% (61-152) Conc.: 21.04905
%SSR(DCB) : 111% (48-164) Conc.: 29.40925

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	100.29	
3.16	3.18	3.20	8864.594	163.836962			1
+ 3.38	3.40	3.42	25668.56	512.898461			2
3.38	3.41	3.42	36271.66	724.765183			2
3.49	3.51	3.53	168700.5	2631.40207			3
3.71	3.73	3.75	178356.1	2437.178793			4
3.76	3.78	3.80	42926.27	678.448333			5
3.96	3.97	4.00	245457.4	5764.420915			6
Height Summation:			680576.524				
Amount Avg CF:			2066.675376	Linear:			
Aroclor-1221					3	41.07	
3.06	3.08	3.10	1527.504	66.143389			1
3.11	3.13	3.15	1639.553	80.6427			2
3.16	3.18	3.20	8864.594	140.30217			3
Height Summation:			12031.651				
Amount Avg CF:			95.696086	Linear:			
Aroclor-1232					6	105.97	
3.16	3.18	3.20	8864.594	160.226265			1
+ 3.38	3.40	3.42	25668.56	1244.814849			2
3.38	3.41	3.42	36271.66	1759.019632			2
3.49	3.51	3.53	168700.5	6058.36757			3
3.70	3.73	3.74	178356.1	5268.498494			4
3.76	3.78	3.80	42926.27	1717.8383			5
E 3.95	3.97	3.99	245457.4	14428.888291			6
Height Summation:			680576.524				
Amount Avg CF:			4898.806425	Linear:			
Aroclor-1242					6	102.49	
3.16	3.18	3.20	8864.594	118.629788			1
+ 3.37	3.40	3.41	25668.56	405.637829			2
3.37	3.41	3.41	36271.66	573.197616			2
3.49	3.51	3.53	168700.5	1987.646232			3
3.70	3.73	3.74	178356.1	1691.733454			4
3.76	3.78	3.80	42926.27	530.660318			5
3.95	3.97	3.99	245457.4	4480.894158			6
Height Summation:			680576.524				
Amount Avg CF:			1563.793595	Linear:			
Aroclor-1248					6	73.81	
3.71	3.73	3.75	178356.1	4465.858833			1
3.76	3.78	3.80	42926.27	1241.953919			2
3.83	3.85	3.87	454176.8	8691.390087			3
3.98	4.00	4.02	277015.2	17085.663069			4
4.04	4.06	4.08	213880.8	4178.823454			5
4.22	4.22	4.26	594911.7	12134.20767			6
+ 4.22	4.24	4.26	217140.4	4428.937449			6
Height Summation:			1761266.87				
Amount Avg CF:			7966.316172	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274B
Result file : 25PCBS17284003B.113.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 81% (61-152) Conc.: 24.29102
%SSR(DCB) : 94% (48-164) Conc.: 24.97904

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	128.48	
+ 2.88	2.90	2.92	6358.519	64.849947			1
2.88	2.91	2.92	41568.92	423.957571			1
3.21	3.22	3.25	319273.5	2689.162817			2
3.40	3.40	3.44	471537.7	4046.244972			3
+ 3.40	3.44	3.44	348554.5	2990.931357			3
3.47	3.49	3.51	96704.11	754.651788			4
+ 3.53	3.55	3.57	1689777	15850.547022			5
3.53	3.57	3.57	1986753	18636.259014			5
3.64	3.65	3.68	556809.6	5172.10607			6
Height Summation:			3472646.83				
Amount Avg CF:			5287.063705	Linear:			
Aroclor-1221					3	43.93	
2.77	2.79	2.81	6427.993	136.360615			1
2.83	2.83	2.87	9117.77	320.054474			2
+ 2.88	2.90	2.92	6358.519	55.250525			3
2.88	2.91	2.92	41568.92	361.201195			3
Height Summation:			57114.683				
Amount Avg CF:			272.538761	Linear:			
Aroclor-1232					6	143.02	
+ 2.88	2.90	2.92	6358.519	60.858721			1
2.88	2.91	2.92	41568.92	397.864864			1
3.21	3.22	3.25	319273.5	6076.629688			2
3.40	3.40	3.44	471537.7	9093.875769			3
+ 3.40	3.44	3.44	348554.5	6722.074018			3
3.47	3.49	3.51	96704.11	1810.236993			4
E+ 3.53	3.55	3.57	1689777	46442.696601			5
E 3.53	3.57	3.57	1986753	54604.937101			5
E 3.63	3.65	3.67	556809.6	13362.269495			6
Height Summation:			3472646.83				
Amount Avg CF:			14224.302318	Linear:			
Aroclor-1242					6	140.95	
+ 2.88	2.90	2.92	6358.519	49.526827			1
2.88	2.91	2.92	41568.92	323.782425			1
3.21	3.22	3.25	319273.5	2065.699016			2
3.40	3.40	3.44	471537.7	2768.232501			3
+ 3.40	3.44	3.44	348554.5	2046.241256			3
3.47	3.49	3.51	96704.11	574.22686			4
E+ 3.53	3.55	3.57	1689777	14216.627143			5
E 3.53	3.57	3.57	1986753	16715.179948			5
3.63	3.65	3.67	556809.6	3882.92987			6
Height Summation:			3472646.83				
Amount Avg CF:			4388.34177	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229457** RI ACF DF50 98A08 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274A
Result file : 25PCBS17284003.113.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	46.48	
4.55	4.56	4.59	484275.6	7779.69421			1
4.61	4.63	4.65	1995912	16374.344762			2
4.73	4.75	4.77	1181107	30157.707213			3
4.82	4.84	4.86	1324634	15909.425558			4
5.02	5.04	5.06	894910.4	14754.426573			5
5.13	5.15	5.17	2498228	29366.607601			6
Height Summation:			**8379067**				
Amount Avg CF:			**19057.034319**	Linear:			
Aroclor-1260					6	32.33	
4.73	4.75	4.77	1181107	12332.663955			1
4.93	4.95	4.97	1689664	15261.25565			2
5.13	5.15	5.17	2498228	18609.272715			3
5.36	5.38	5.40	567029.6	7943.511787			4
5.60	5.62	5.64	1726358	9690.559735			5
5.80	5.82	5.84	1132658	10073.339442			6
Height Summation:			**8795044.6**				
Amount Avg CF:			**12318.433881**	Linear:			
Aroclor-1262					6	37.25	
5.20	5.22	5.24	525042.4	4697.142487			1
5.36	5.38	5.40	567029.6	5819.968608			2
5.60	5.62	5.64	1726358	7829.731667			3
5.80	5.82	5.84	1132658	7796.759191			4
5.86	5.88	5.90	169398.6	2465.50868			5
6.23	6.25	6.27	387975	4667.646525			6
Height Summation:			**4508461.6**				
Amount Avg CF:			**5546.126193**	Linear:			
Aroclor-1268					6	95.79	
5.80	5.82	5.84	1132658	4526.022393			1
5.86	5.88	5.90	169398.6	751.212624			2
5.99	6.01	6.03	9235.158	44.026001			3
+ 6.06	6.06	6.10	34194.39	585.426192			4
6.06	6.09	6.10	241089.3	4127.577384			4
6.23	6.25	6.27	387975	4262.004171			5
6.43	6.45	6.47	84088.66	120.648698			6
Height Summation:			**2024444.718**				
Amount Avg CF:			**2305.248545**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274B
Result file : 25PCBS17284003B.113.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	69.21	
3.40	3.40	3.44	471537.7	7996.985259			1
+ 3.40	3.44	3.44	348554.5	5911.2669			1
3.47	3.49	3.51	96704.11	1363.377097			2
3.51	3.53	3.55	946946.6	8143.613566			3
3.64	3.65	3.68	556809.6	3910.205543			4
+ 3.73	3.73	3.77	4581.782	46.408679			5
3.73	3.74	3.77	425567.2	4310.552465			5
3.86	3.88	3.90	2535387	14603.39876			6
Height Summation:			**5032952.21**				
Amount Avg CF:			**6721.355448**	Linear:			
Aroclor-1254					6	42.54	
4.22	4.24	4.26	4102440	15520.30786			1
4.31	4.33	4.35	3119496	24344.547132			2
4.38	4.40	4.42	2563760	16395.501921			3
4.44	4.46	4.48	3736261	37418.237392			4
4.59	4.61	4.63	1358727	11956.699701			5
4.67	4.69	4.71	4644652	26928.056641			6
Height Summation:			**19525336**				
Amount Avg CF:			**22093.891774**	Linear:			
Aroclor-1260					6	26.20	
4.31	4.33	4.35	3119496	13918.150318			1
4.44	4.46	4.48	3736261	15540.387668			2
4.55	4.56	4.59	2343208	11738.800969			3
4.89	4.91	4.93	1226260	7911.705758			4
5.09	5.10	5.13	3336585	9505.88157			5
5.34	5.36	5.38	2399224	9256.225291			6
Height Summation:			**16161034**				
Amount Avg CF:			**11311.858596**	Linear:			
Aroclor-1262					6	36.93	
4.70	4.72	4.74	836431.1	3482.080162			1
4.89	4.91	4.93	1226260	5398.002941			2
5.08	5.10	5.12	3336585	7041.771753			3
5.30	5.32	5.34	538901.5	2866.344685			4
5.34	5.36	5.38	2399224	7453.585091			5
5.72	5.74	5.76	930647.4	4289.883346			6
Height Summation:			**9268049**				
Amount Avg CF:			**5088.61133**	Linear:			
Aroclor-1268					6	124.53	
5.30	5.32	5.34	538901.5	962.411871			1
5.35	5.36	5.39	2399224	4220.62311			2
5.50	5.52	5.54	102253.7	197.362721			3
5.57	5.59	5.61	9972.39	70.525321			4
5.72	5.74	5.76	930647.4	4089.582151			5
5.92	5.94	5.96	209752.4	101.423447			6
Height Summation:			**4190751.39**				
Amount Avg CF:			**1606.988103**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229457** RI ACF DF50 98A08 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.25 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274A
Result file : 25PCBS17284003.113.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 15:25:54
Instrument : CP25--18274B
Result file : 25PCBS17284003B.113.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			2487.8048	482.9268		** 87.59	4	40	
Aroclor-1221			2487.8048	746.3415		** 96.05	3	5	
Aroclor-1232			2487.8048	600	E	** 97.53	4	10	
Aroclor-1242			2487.8048	600		** 94.91	4	30	
Aroclor-1248			2487.8048	482.9268		16.95	4	40	
Aroclor-1254			2487.8048	643.9024		14.76	4	40	
Aroclor-1260			2487.8048	570.7317		8.52	4	40	
Aroclor-1262			2487.8048	482.9268		8.60	4	40	
Aroclor-1268			2487.8048	482.9268		35.70	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:25:54 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: 25pcbs17284003.113.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.009		653	409
2.048		9380	12223
2.085		3817	5580
2.116		1236	878
2.137		2084	1111
2.154		1254	1009
2.205		24066	16439
2.228		1069	981
2.263		629	757
2.301		706	350
2.318		843	328
2.332		2360	1383
2.367		1672	980
2.392		1754	2430
2.468		451	628
2.49		4250	4043
2.534		1101	1486
2.565		1208	1021
2.588		677	528
2.636		2189	1104
2.653		21605	13660
2.68		744	438
2.709		411	197
2.75		2825	3944
2.773		714	543
2.805		1830	1338
2.895		2681	3322
2.93	TCX	65102	45728
3.013		638	579
3.078		1528	1409
3.132		1640	2159
3.181		8865	6199
3.235		2241	1152
3.25		22623	13351
3.274		6688	4149
3.396		25669	14420
3.413		36272	21119
3.45		4799	2691
3.478		2527	2117
3.512		168701	125063
3.547		1328	788
3.581		8182	6376
3.62		12596	7348
3.635		3246	1484
3.657		451	102
3.69		342093	486500
3.734		178356	141621
3.783		42926	30910
3.823		94334	71510
3.852		454177	333158
3.878		775986	522224
3.901		874670	605777
3.975		245457	180763
3.999		277015	204603

RT A	Compound A	Height A	Area A
4.03		398424	313860
4.063		213881	192687
4.109		58096	54557
4.137		40415	39486
4.188		76008	59171
4.223		594912	413908
4.24		217140	112468
4.266		909411	793313
4.304		1161	508
4.335		399033	332184
4.376		1198010	1337129
4.411		659368	570578
4.452		132738	94633
4.473		105688	76112
4.515		359725	328356
4.565		484276	476715
4.594		70083	42033
4.627		1995912	1744957
4.676		396243	435423
4.71		115649	75812
4.752		1181107	1161772
4.796		202461	184881
4.837		1324634	1275107
4.869		16805	9259
4.897		298916	300806
4.949		1689664	2226974
5.001		167314	142519
5.036		894910	1002262
5.082		111390	81228
5.119		169204	226283
5.153		2498228	2562404
5.195		52171	26328
5.221		525042	469488
5.263		388325	382716
5.334		4061	3027
5.358		445151	349422
5.382		567030	477636
5.438		352940	324365
5.476		251257	252008
5.518		26326	30016
5.557		384202	377635
5.591		40213	27205
5.617		1726358	1662402
5.716		2959	4780
5.779		2544	2857
5.821		1132658	1049053
5.851		88092	57625
5.877		169399	184725
5.919		1097	919
5.957		1610	1549
5.987		38199	33292
6.013		9235	6892
6.042		3011	1810
6.063		34194	24949
6.092		241089	231252
6.158		18285	19899
6.196		1007	811
6.22		15284	11036
6.247		387975	388724
6.292		26317	25763
6.333		5852	6705
6.371		810	321
6.397		449	170
6.45		84089	88405
6.508		8023	9562
6.567		5259	5059

RT A	Compound A	Height A	Area A
6.599	DCB	58113	61924
6.635		13369	11688
6.7		707	486
6.767		1977	3130
6.848		1010	3512
6.882		3417	5929
6.924		839	659
6.978		558	212

LANCASTER LABORATORIES

Sample Number: 9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:25:54 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: 25pcbs17284003B.113.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.003		2772	3034
2.047		18897	18731
2.07		19205	17904
2.102		21340	38082
2.165		12630	12862
2.189		7603	4783
2.209		5717	3718
2.23		12297	6953
2.247		6498	10014
2.29		8791	9234
2.308		8301	14888
2.364		51264	46275
2.43		4716	1735
2.444		8405	4950
2.463		8775	5236
2.488		13621	15002
2.538		17751	22054
2.565		6747	5775
2.591		4946	3070
2.615	TCX	135664	96865
2.676		8364	3650
2.705		10487	12385
2.729		3667	2223
2.76		3085	2681
2.786		6428	3445
2.81		6846	3838
2.833		9118	12108
2.869		4423	2385
2.899		6359	3361
2.91		41569	22571
2.951		5630	3505
2.973		2838	1176
2.989		2789	1247
3.009		16972	11174
3.071		5577	4494
3.105		38365	16896
3.116		58396	26423
3.157		10621	5777
3.178		2593	921
3.19		1921	623
3.202		4320	1545
3.225		319274	204480
3.263		10725	6800
3.282		2256	1186
3.311		36700	22091
3.324		6504	2630
3.342		369	71
3.353		4555	2612
3.385		567517	428806
3.404		471538	270904
3.435		348555	211474
3.492		96704	83661
3.528		946947	588938
3.55		1689777	890813

RT B	Compound B	Height B	Area B
3.569		1986753	1071963
3.622		2132	1257
3.654		556810	318325
3.677		587773	325181
3.698		848272	560930
3.728		4582	2287
3.743		425567	298018
3.782		138142	113245
3.831		87557	97676
3.854		161887	94803
3.876		2535387	1648664
3.901		1405545	837744
3.92		722641	389204
3.94		808875	476085
3.975		2764550	1891389
4.006		1469247	914351
4.023		431394	212663
4.045		298508	192670
4.084		311240	246465
4.119		741375	512086
4.14		44342	36767
4.175		1298795	910872
4.209		356117	327539
4.235		4102440	3390233
4.273		512757	463099
4.326		3119496	2553600
4.363		457616	367946
4.395		2563760	1724383
4.419		847434	574471
4.462		3736261	3006914
4.517		71109	52532
4.563		2343208	2332627
4.613		1358727	1100511
4.654		847317	728119
4.691		4644652	4040420
4.723		836431	553124
4.762		751485	559888
4.821		11161	7170
4.831		10864	6149
4.86		140456	92656
4.877		162931	101512
4.91		1226260	900866
4.934		864766	613767
4.985		821931	702220
5.019		407093	320934
5.05		285279	219675
5.082		617663	394912
5.104		3336585	2616781
5.145		70790	47436
5.176		102698	84444
5.219		3725	2096
5.241		7295	5162
5.295		23918	14546
5.318		538902	449275
5.362		2399225	2485750
5.415		1441	788
5.461		4089	3325
5.478		1476	707
5.515		102254	86234
5.562		97085	88538
5.586		9972	5429
5.607		176490	131376
5.634		381973	307440
5.676		13671	13124
5.714		46379	31808
5.741		930647	764402

RT B	Compound B	Height B	Area B
5.772		63663	46669
5.821		9119	9995
5.863		1339	1029
5.917		894	671
5.939		209752	181155
5.969		841	365
5.982		2048	1086
6.003		17297	15052
6.048		1044	362
6.076		11782	7601
6.098	DCB	155022	124976
6.134		46190	40888
6.223		10829	20338
6.257		884	301
6.276		3269	2171
6.301		26389	23416
6.335		2248	918
6.371		2563	2313
6.404		4750	6970
6.434		2019	1709
6.467		5200	5437
6.501		1365	973
6.519		3838	2406
6.573		2261	2347
6.598		3113	2663
6.635		1800	1987
6.658		1480	399
6.666		1716	1424
6.708		1842	1232
6.724		1252	550
6.747		1489	1064
6.773		3042	4194
6.817		962	245
6.884		974	1863
6.911		1103	933
6.938		1160	487
6.979		999	239

9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082

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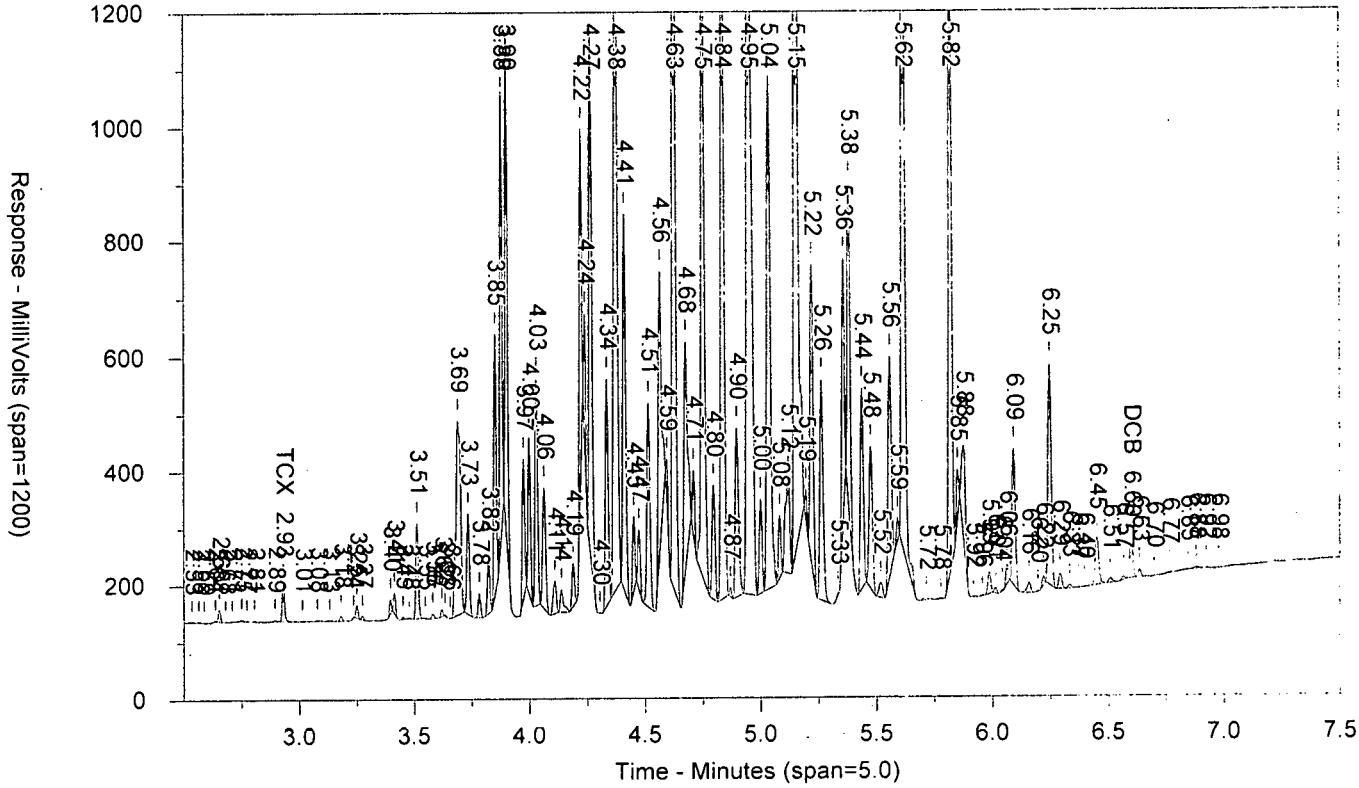

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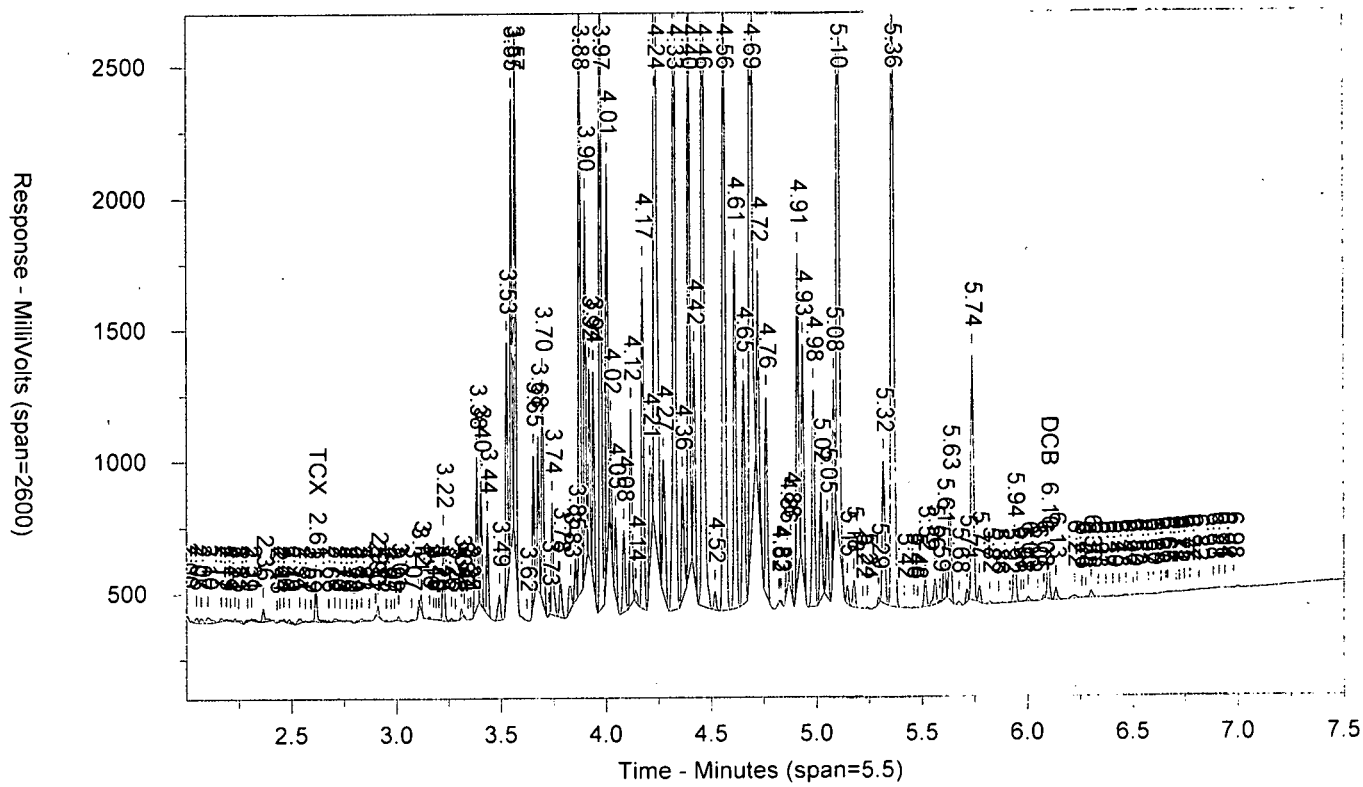

LANCASTER LABORATORIES

Sample Number: 9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:25:54 PM Sample Weight: 10.25
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	65102	21.049	TCX	2.615	135664	24.291	TCX
6.599	58113	29.409	DCB	6.098	155022	24.979	DCB

Files:
Area File: 25pcbs17284003.113.RAW
Area File: 25pcbs17284003B.113.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: 10/16/2017 3:34:27 PM
File Reported On: 10/16/2017 at 3:34:36 PM

9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082

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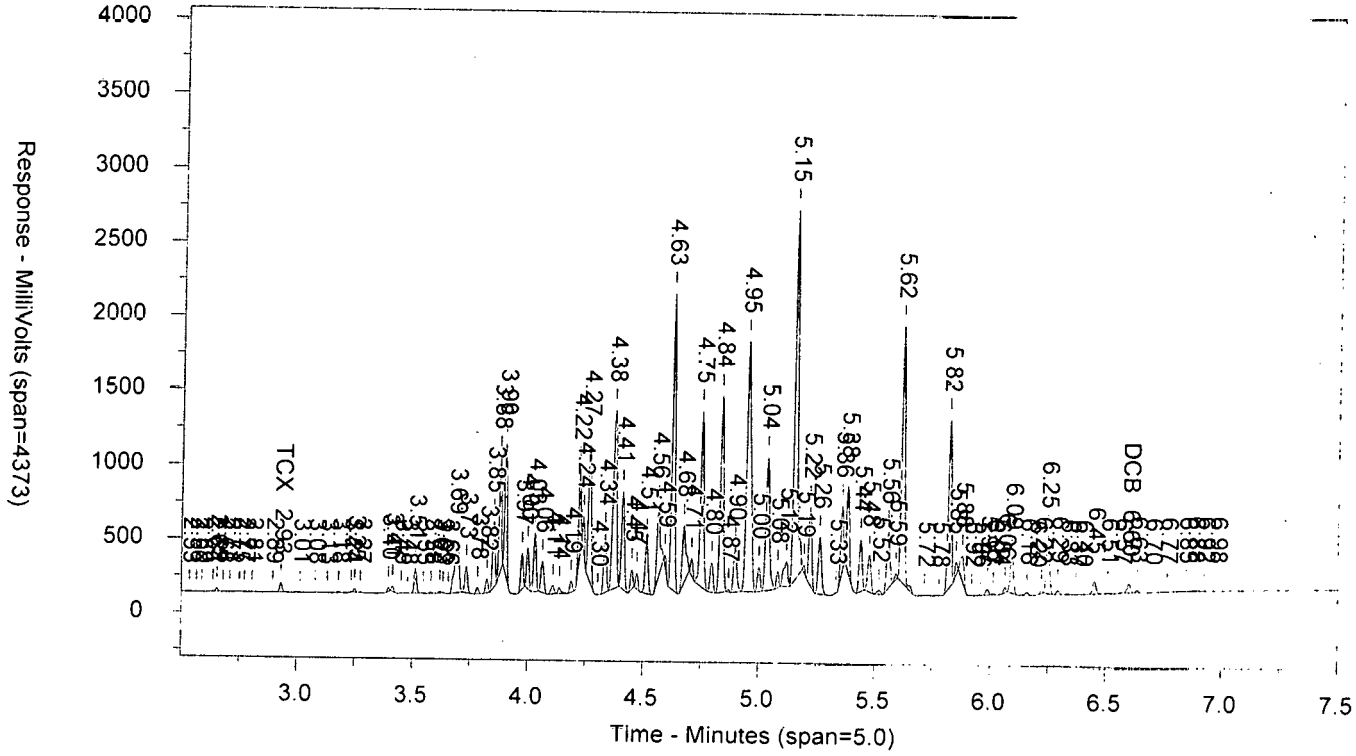

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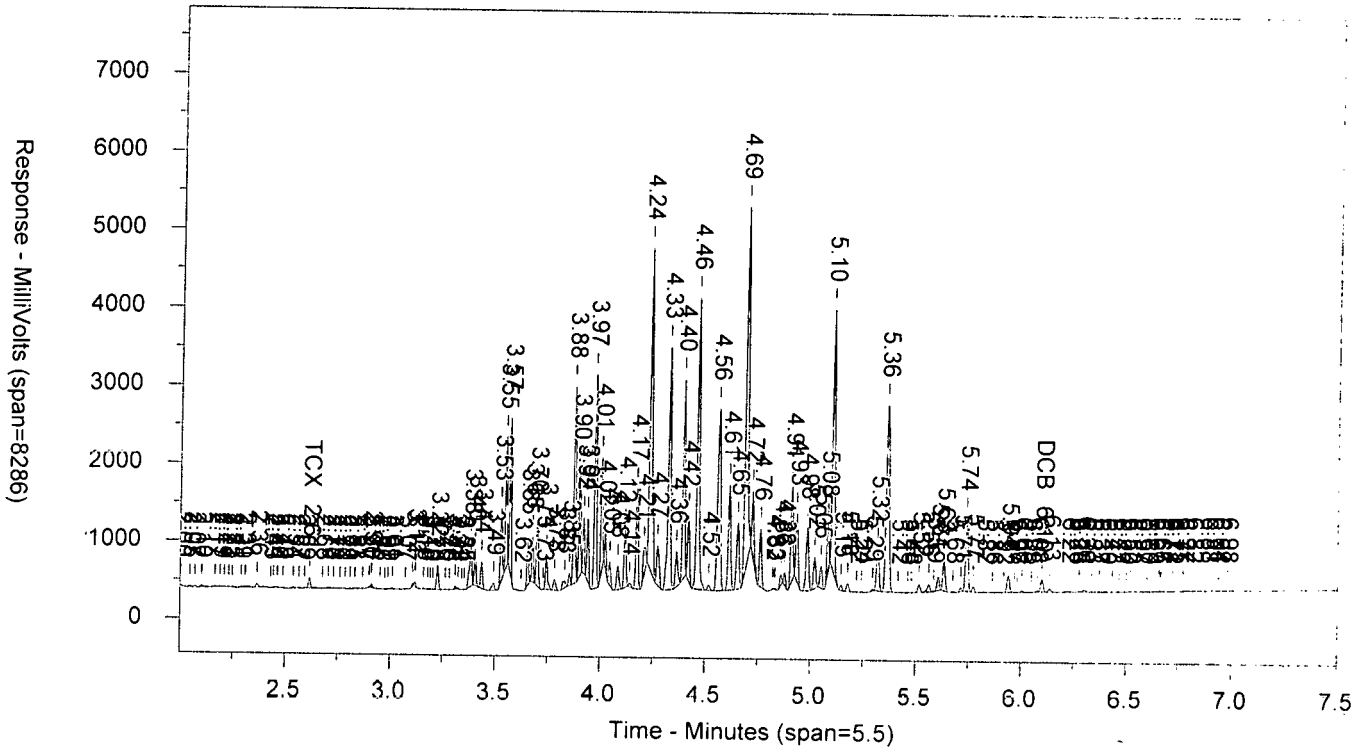

9229457 RI ACF DF50 AC98A08 T 172790013A 10225 SW-846 8082

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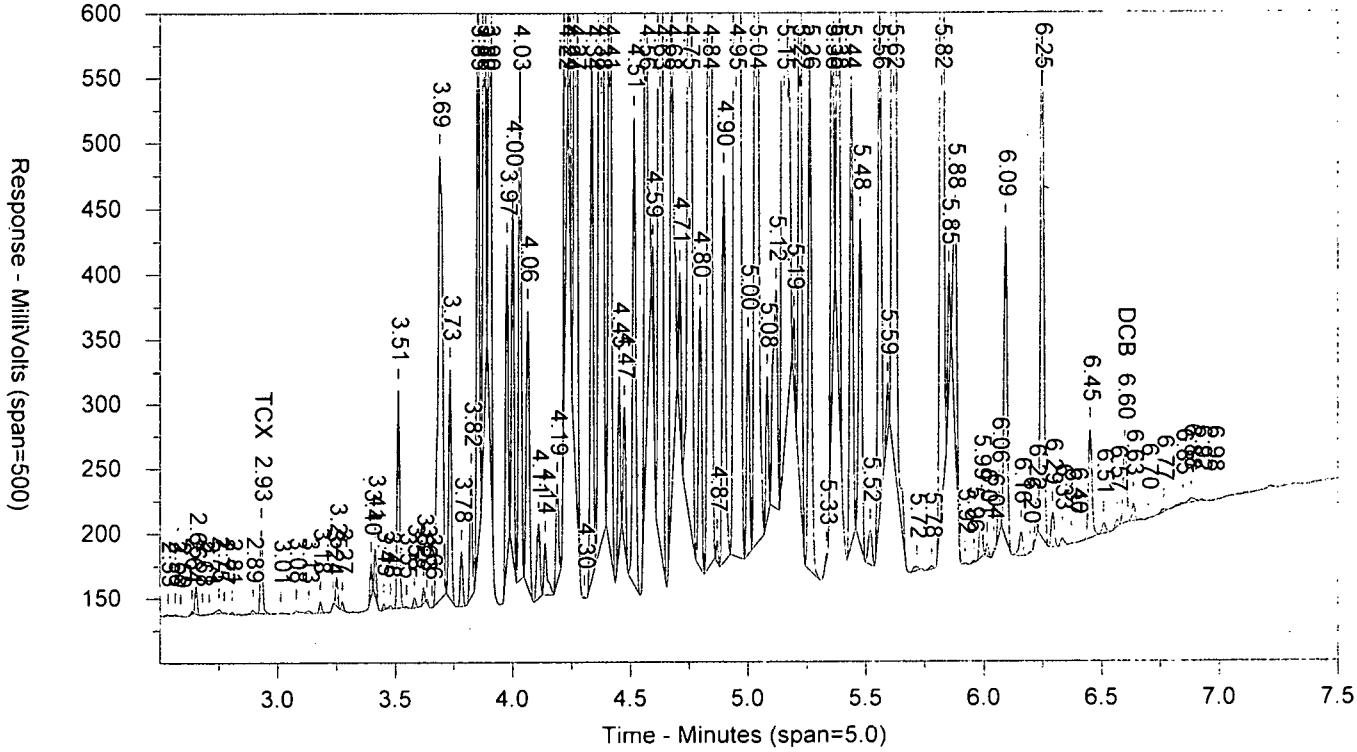

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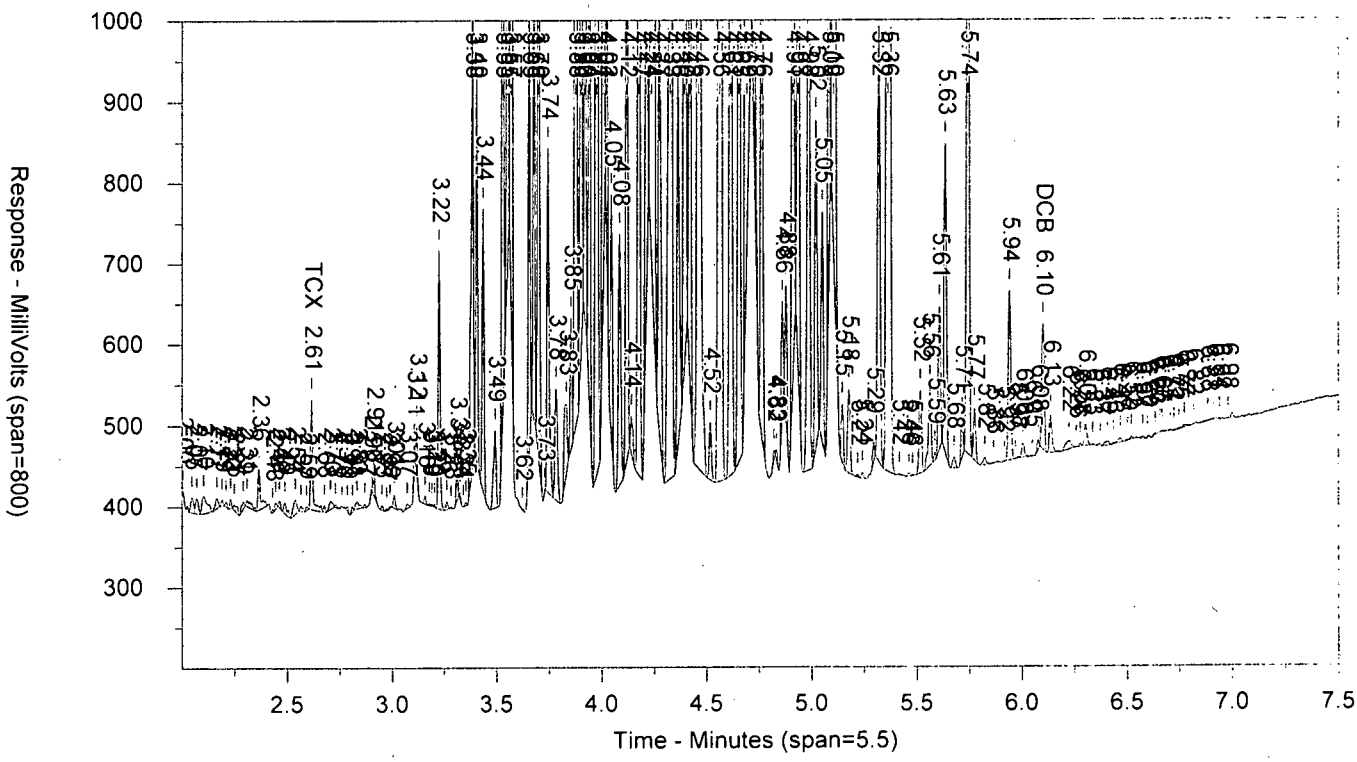

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Data Summary

Sample Name: 9229458 RI ACF DF50 98A09 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:37:15
Instrument	18274A
Result file	25PCBS17284003.114.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 59% (61 - 152) Conc: 17.92209
%SSR(DCB) 103% (48 - 164) Conc: 27.50653

Analysis Report (B)

Injected on	Oct 16, 2017 15:37:15
Instrument	18274B
Result file	25PCBS17284003B.114.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 67% (61 - 152) Conc: 20.31029
%SSR(DCB) 83% (48 - 164) Conc: 22.15699

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	54781	17.92209	Tetrachloro-m-xylene	2.58	2.61	2.64	112104	20.31029
Decachlorobiphenyl	6.57	6.60	6.63	53717	27.50653	Decachlorobiphenyl	6.07	6.10	6.13	135898	22.15699

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	20.31029				12.49	
☑	Tetrachloro-m-xylene-D1	A	17.92209					
☑	Tetrachloro-m-xylene-D2	B	20.31029					
☐	Decachlorobiphenyl	A	27.50653				21.54	
☑	Decachlorobiphenyl-D1	A	27.50653					
☑	Decachlorobiphenyl-D2	B	22.15699					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**33.59**	
4.55	4.56	4.59	743362.6	12083.286311			1
4.61	4.62	4.65	2752402	22848.033441			2
4.82	4.84	4.86	1984064	24111.748102			4
Height summation:			**5479828.6**				
Concentration		CF:	**19681.022618**	L:			
Aroclor-1260						**10.65**	
5.36	5.38	5.40	758530.4	10752.123022			4
5.60	5.62	5.64	2245415	12753.489851			5
5.80	5.82	5.84	1466639	13198.127552			6
Height summation:			**4470584.4**				
Concentration		CF:	**12234.580142**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**13.16**	
4.22	4.23	4.26	5943206	22750.623189			1
4.38	4.39	4.42	3825698	24755.542783			3
4.59	4.61	4.63	2134599	19006.836459			5
Height summation:			**11903503**				
Concentration		CF:	**22171.00081**	L:			
Aroclor-1260						**10.17**	
4.89	4.91	4.93	1605846	10483.48986			4
5.09	5.10	5.13	4355297	12555.164359			5
5.34	5.36	5.38	3226458	12595.156134			6
Height summation:			**9187601**				
Concentration		CF:	**11877.936784**	L:			

Valerie L. Tomzyko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:16

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Data Summary

Sample Name: 9229458 RI ACF DF50 98A09 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:37:15
Instrument	18274A
Result file	25PCBS17284003.114.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 15:37:15
Instrument	18274B
Result file	25PCBS17284003B.114.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			<2517.2755	<488.6476	D1		4	
☑	PCB-1221			<2517.2755	<755.1826	D1		3	
☑	PCB-1232			<2517.2755	<607.1076	D1		4	
☑	PCB-1242			<2517.2755	<607.1076	D1		4	
☑	PCB-1248			<2517.2755	<488.6476	D1		4	
☑	PCB-1254	B	22171.00081	2517.2755	651.5301	D2	11.90	4	
☑	PCB-1260	A	12234.580142	2517.2755	577.4926	D1	2.96	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:16

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229458** RI ACF DF50 98A09 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.114.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET
%SSR(TCX) : *59% (61-152) Conc.: 17.92209
%SSR(DCB) : 103% (48-164) Conc.: 27.50653

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**106.07**	
3.16	3.18	3.20	12171.54	227.621346			1
+ 3.38	3.40	3.42	31746.69	641.863621			2
3.38	3.41	3.42	44103.89	891.70501			2
3.49	3.51	3.53	197726.1	3120.680179			3
3.71	3.73	3.75	215108.4	2974.207148			4
3.76	3.78	3.80	56636.37	905.739811			5
3.96	3.97	4.00	334119.2	7939.541232			6
Height Summation:			**859865.5**				
Amount Avg CF:			**2676.582454**	Linear:			
Aroclor-1221					**3**	**28.90**	
3.06	3.08	3.10	3149.259	137.983413			1
3.11	3.13	3.15	2233.214	111.143575			2
3.16	3.18	3.20	12171.54	194.924078			3
Height Summation:			**17554.013**				
Amount Avg CF:			**148.017022**	Linear:			
Aroclor-1232					**6**	**112.29**	
3.16	3.18	3.20	12171.54	222.604947			1
+ 3.38	3.40	3.42	31746.69	1557.815877			2
3.38	3.41	3.42	44103.89	2164.185938			2
3.49	3.51	3.53	197726.1	7184.849404			3
3.70	3.73	3.74	215108.4	6429.403509			4
3.76	3.78	3.80	56636.37	2293.342707			5
E 3.95	3.97	3.99	334119.2	19873.419243			6
Height Summation:			**859865.5**				
Amount Avg CF:			**6361.300958**	Linear:			
Aroclor-1242					**6**	**108.54**	
3.16	3.18	3.20	12171.54	164.814287			1
+ 3.37	3.40	3.41	31746.69	507.632963			2
3.37	3.41	3.41	44103.89	705.225911			2
3.49	3.51	3.53	197726.1	2357.225553			3
3.70	3.73	3.74	215108.4	2064.50415			4
3.76	3.78	3.80	56636.37	708.440353			5
3.95	3.97	3.99	334119.2	6171.694339			6
Height Summation:			**859865.5**				
Amount Avg CF:			**2028.650765**	Linear:			
Aroclor-1248					**6**	**73.01**	
3.71	3.73	3.75	215108.4	5449.903512			1
3.76	3.78	3.80	56636.37	1658.029142			2
3.83	3.85	3.87	596231.3	11544.988045			3
3.98	4.00	4.02	328341.9	20491.274212			4
4.04	4.06	4.08	274500.5	5426.749608			5
4.22	4.22	4.26	897439.9	18521.608816			6
+ 4.22	4.24	4.26	289582.3	5976.478292			6
Height Summation:			**2368258.37**				
Amount Avg CF:			**10515.425556**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.114.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : 67% (61-152) Conc.: 20.31029
%SSR(DCB) : 83% (48-164) Conc.: 22.15699

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**124.15**	
+ 2.88	2.90	2.92	8665.266	89.423152			1
2.88	2.91	2.92	61815.02	637.913934			1
3.21	3.23	3.25	385757.3	3287.628963			2
3.40	3.40	3.44	536558	4658.722546			3
+ 3.40	3.44	3.44	410275.4	3562.260289			3
3.47	3.49	3.51	127816.2	1009.257522			4
+ 3.53	3.55	3.57	2044256	19402.806898			5
3.53	3.57	3.57	2304822	21875.937358			5
3.64	3.65	3.68	731134.6	6871.830921			6
Height Summation:			**4147903.12**				
Amount Avg CF:			**6390.215207**	Linear:			
Aroclor-1221					**3**	**53.81**	
2.77	2.79	2.81	8071.335	173.250042			1
2.83	2.83	2.87	9065.076	321.974249			2
+ 2.88	2.90	2.92	8665.266	76.186278			3
2.88	2.91	2.92	61815.02	543.486639			3
Height Summation:			**78951.431**				
Amount Avg CF:			**346.236977**	Linear:			
Aroclor-1232					**6**	**139.01**	
+ 2.88	2.90	2.92	8665.266	83.919554			1
2.88	2.91	2.92	61815.02	598.653162			1
3.21	3.23	3.25	385757.3	7428.96772			2
E 3.40	3.40	3.44	536558	10470.410065			3
+ 3.40	3.44	3.44	410275.4	8006.127348			3
3.47	3.49	3.51	127816.2	2420.977901			4
E+ 3.53	3.55	3.57	2044256	56850.951117			5
E 3.53	3.57	3.57	2304822	64097.316019			5
E 3.63	3.65	3.67	731134.6	17753.552509			6
Height Summation:			**4147903.12**				
Amount Avg CF:			**17128.312896**	Linear:			
Aroclor-1242					**6**	**136.54**	
+ 2.88	2.90	2.92	8665.266	68.293733			1
2.88	2.91	2.92	61815.02	487.183942			1
3.21	3.23	3.25	385757.3	2525.414925			2
3.40	3.40	3.44	536558	3187.258126			3
+ 3.40	3.44	3.44	410275.4	2437.115098			3
3.47	3.49	3.51	127816.2	767.960518			4
E+ 3.53	3.55	3.57	2044256	17402.709875			5
E 3.53	3.57	3.57	2304822	19620.90295			5
3.63	3.65	3.67	731134.6	5158.98885			6
Height Summation:			**4147903.12**				
Amount Avg CF:			**5291.284885**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229458** RI ACF DF50 98A09 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.114.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	41.03	
4.55	4.56	4.59	743362.6	12083.286311			1
4.61	4.62	4.65	2752402	22848.033441			2
4.73	4.75	4.77	1491680	38538.886637			3
4.82	4.84	4.86	1984064	24111.748102			4
5.02	5.04	5.06	1286581	21463.193148			5
5.13	5.15	5.17	3413796	40604.45576			6
Height Summation:			**11671885.6**				
Amount Avg CF:			**26608.267233**	Linear:			
Aroclor-1260					6	34.80	
4.73	4.75	4.77	1491680	15760.055456			1
4.93	4.95	4.97	2326269	21260.049421			2
5.13	5.15	5.17	3413796	25730.564488			3
5.36	5.38	5.40	758530.4	10752.123022			4
5.60	5.62	5.64	2245415	12753.489851			5
5.80	5.82	5.84	1466639	13198.127552			6
Height Summation:			**11702329.4**				
Amount Avg CF:			**16575.734965**	Linear:			
Aroclor-1262					6	36.46	
5.20	5.22	5.24	689818.8	6244.372529			1
5.36	5.38	5.40	758530.4	7877.752326			2
E 5.60	5.62	5.64	2245415	10304.503154			3
E 5.80	5.82	5.84	1466639	10215.34347			4
5.86	5.88	5.90	223006.3	3284.189977			5
6.23	6.25	6.27	516592.3	6288.637583			6
Height Summation:			**5900001.8**				
Amount Avg CF:			**7369.133173**	Linear:			
Aroclor-1268					6	95.70	
5.80	5.82	5.84	1466639	5930.011709			1
5.86	5.88	5.90	223006.3	1000.655561			2
5.99	6.01	6.03	11921.4	57.505131			3
+ 6.06	6.06	6.10	41497.8	718.880629			4
6.06	6.09	6.10	309828.9	5367.272353			4
6.23	6.25	6.27	516592.3	5742.122816			5
6.43	6.45	6.47	111064.9	161.241361			6
Height Summation:			**2639052.8**				
Amount Avg CF:			**3043.134822**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.114.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	75.33	
3.40	3.40	3.44	536558	9207.483922			1
+ 3.40	3.44	3.44	410275.4	7040.439522			1
3.47	3.49	3.51	127816.2	1823.355636			2
3.51	3.53	3.55	1252452	10898.511298			3
3.64	3.65	3.68	731134.6	5195.228211			4
+ 3.73	3.73	3.77	10490.5	107.516569			5
3.73	3.74	3.77	580761	5952.188163			5
3.86	3.88	3.90	3685380	21478.620256			6
Height Summation:			**6914101.8**				
Amount Avg CF:			**9092.564581**	Linear:			
Aroclor-1254					6	37.92	
4.22	4.23	4.26	5943206	22750.623189			1
4.31	4.33	4.35	4204948	33204.146129			2
4.38	4.39	4.42	3825698	24755.542783			3
E 4.44	4.46	4.48	5055692	51231.980809			4
4.59	4.61	4.63	2134599	19006.836459			5
4.67	4.69	4.71	6490796	38077.130456			6
Height Summation:			**27654939**				
Amount Avg CF:			**31504.376638**	Linear:			
Aroclor-1260					6	27.36	
4.31	4.33	4.35	4204948	18983.318708			1
4.44	4.46	4.48	5055692	21277.454479			2
4.55	4.56	4.59	3276248	16607.49333			3
4.89	4.91	4.93	1605846	10483.48986			4
5.09	5.10	5.13	4355297	12555.164359			5
5.34	5.36	5.38	3226458	12595.156134			6
Height Summation:			**21724489**				
Amount Avg CF:			**15417.012812**	Linear:			
Aroclor-1262					6	38.37	
4.70	4.72	4.74	1021362	4302.319991			1
4.89	4.91	4.93	1605846	7152.681207			2
5.08	5.10	5.12	4355297	9300.620998			3
5.30	5.32	5.34	704183.2	3789.824522			4
E 5.34	5.36	5.38	3226458	10142.262642			5
5.72	5.74	5.76	1262885	5890.315256			6
Height Summation:			**12176031.2**				
Amount Avg CF:			**6763.004103**	Linear:			
Aroclor-1268					6	125.04	
5.30	5.32	5.34	704183.2	1272.482031			1
5.35	5.36	5.39	3226458	5743.097795			2
5.50	5.52	5.54	137404.4	268.349724			3
5.57	5.59	5.61	13985.83	100.080273			4
5.72	5.74	5.76	1262885	5615.287453			5
5.92	5.94	5.96	279907.2	136.949332			6
Height Summation:			**5624823.63**				
Amount Avg CF:			**2189.374435**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229458** RI ACF DF50 98A09 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.114.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 15:37:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.114.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			2517.2755	488.6476		** 81.92	4	40	
Aroclor-1221			2517.2755	755.1826		** 80.21	3	5	
Aroclor-1232			2517.2755	607.1076	E	** 91.67	4	10	
Aroclor-1242			2517.2755	607.1076		** 89.14	4	30	
Aroclor-1248			2517.2755	488.6476		14.51	4	40	
Aroclor-1254			2517.2755	651.5301		16.85	4	40	
Aroclor-1260			2517.2755	577.4926		7.24	4	40	
Aroclor-1262			2517.2755	488.6476	E	8.58	4	40	
Aroclor-1268			2517.2755	488.6476		32.63	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:37:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.114.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.009		855	508
2.048		12095	14289
2.085		3272	4735
2.117		1464	968
2.137		1363	714
2.154		1558	1246
2.205		33311	23835
2.264		360	189
2.282		632	330
2.3		1014	582
2.317		1058	410
2.333		1460	864
2.365		1459	896
2.393		1796	2577
2.429		954	803
2.468		271	586
2.488		3693	3894
2.526		1004	815
2.562		1205	1124
2.585		845	876
2.636		2842	1303
2.653		31423	19954
2.682		735	512
2.71		375	171
2.749		3095	4270
2.77		818	552
2.807		1778	1096
2.871		371	476
2.893		2440	2241
2.93	TCX	54781	38380
3.016		402	444
3.036		648	287
3.077		3149	4145
3.13		2233	2780
3.18		12172	8364
3.209		547	328
3.25		38021	30407
3.274		8264	5514
3.317		888	952
3.363		450	361
3.396		31747	17865
3.412		44104	26297
3.449		5851	3492
3.476		3382	2969
3.511		197726	149733
3.547		1621	1094
3.58		10838	9161
3.619		15389	9218
3.635		5244	2411
3.689		418614	584654
3.733		215108	170646
3.781		56636	42116
3.823		110160	82585
3.851		596231	427844

RT A	Compound A	Height A	Area A
3.878		932008	624972
3.901		1018544	720256
3.974		334119	240238
3.998		328342	244826
4.029		491873	374947
4.062		274501	254749
4.108		75714	74400
4.136		44015	45461
4.188		103764	79539
4.222		897440	616389
4.239		289582	149667
4.264		1192090	1033200
4.304		1127	552
4.334		502638	421872
4.375		1787842	1920421
4.41		959681	799949
4.45		151046	112184
4.472		134873	99309
4.514		512447	481055
4.564		743363	682719
4.593		109561	65949
4.625		2752402	2450237
4.674		508585	553894
4.709		178900	117664
4.75		1491680	1534978
4.795		288772	249827
4.836		1984064	1885209
4.868		24985	13984
4.897		393311	405806
4.948		2326269	2970752
4.999		200532	174553
5.035		1286581	1434230
5.081		138303	104809
5.106		17688	22815
5.118		140658	96170
5.152		3413797	3432411
5.193		66969	38619
5.219		689819	604196
5.262		493111	491471
5.357		573095	468995
5.381		758530	609988
5.437		445049	410164
5.475		335154	329125
5.516		35322	41255
5.556		550076	527109
5.59		54238	40853
5.617		2245415	2149558
5.717		5967	9861
5.776		3658	3690
5.82		1466639	1359464
5.851		96879	65033
5.877		223006	238236
5.921		1721	1349
5.959		882	895
5.986		53432	46110
6.012		11921	8857
6.041		4111	2214
6.063		41498	30774
6.091		309829	300255
6.157		24966	25676
6.197		1066	1166
6.22		21108	14635
6.246		516592	497859
6.292		35357	34207
6.343		498	530
6.39		621	1055

RT A	Compound A	Height A	Area A
6.449		111065	117756
6.509		6910	7714
6.565		6525	5599
6.598	DCB	53717	56293
6.635		17126	15624
6.675		433	129
6.698		685	405
6.717		689	394
6.761		824	836
6.77		800	458
6.852		627	3060
6.885		3279	4944
6.959		525	203
6.967		832	318

LANCASTER LABORATORIES

Sample Number: 9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:37:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.114.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		1686	3277
2.049		18498	17786
2.07		18704	17249
2.101		21627	36741
2.166		13686	13768
2.19		7827	4356
2.211		6207	3708
2.23		12854	7002
2.248		3179	1686
2.291		7637	7809
2.31		10525	16278
2.365		71726	58037
2.412		6950	4152
2.431		4120	1716
2.445		7847	4669
2.462		9788	5904
2.488		14022	14291
2.538		18518	21172
2.565		6937	4925
2.593		4466	2504
2.615	TCX	112104	73510
2.661		5388	1959
2.676		7825	3592
2.705		11429	16984
2.76		3429	2616
2.786		8071	3707
2.81		6425	3737
2.833		9065	12239
2.869		4903	2519
2.899		8665	4223
2.911		61815	31570
2.951		5698	3372
2.973		3119	1248
2.991		3644	2352
3.009		19751	12376
3.07		3892	1683
3.092		1292	584
3.105		39918	19663
3.116		72563	33364
3.156		13604	7289
3.177		4069	1724
3.192		1525	394
3.202		5185	2185
3.225		385757	242079
3.263		14473	8760
3.282		1622	997
3.311		44644	27360
3.325		9482	3507
3.355		4304	2783
3.385		696067	516558
3.404		536558	311352
3.435		410275	247564
3.492		127816	103848
3.528		1252452	758651

RT B	Compound B	Height B	Area B
3.551		2044257	1059381
3.569		2304822	1261825
3.595		2489	1526
3.626		2704	836
3.654		731135	429184
3.677		705941	390199
3.698		1055350	672536
3.727		10491	4404
3.743		580761	393341
3.782		174611	141560
3.824		39423	23473
3.831		35753	12341
3.853		261124	149324
3.875		3685380	2344400
3.901		1956995	1136364
3.92		889062	474441
3.939		976289	589625
3.974		4133602	2705658
4.005		2163610	1311813
4.023		606633	308815
4.045		353607	220445
4.084		387888	312044
4.118		1088059	755754
4.139		51829	31883
4.175		1855960	1379812
4.208		548406	467255
4.235		5943206	4742297
4.272		647398	605239
4.325		4204948	3444527
4.363		601290	488448
4.394		3825698	2652510
4.419		1069917	729953
4.462		5055692	4044864
4.516		34602	28634
4.562		3276248	3138989
4.613		2134599	1670988
4.654		1098488	963145
4.69		6490797	5445236
4.722		1021362	700529
4.761		963491	730594
4.821		14292	9389
4.83		10580	5791
4.859		199703	122610
4.877		202030	127635
4.91		1605847	1165994
4.934		1202744	855012
4.984		1069024	912324
5.019		534975	419332
5.049		352122	283003
5.081		850004	563781
5.104		4355297	3400263
5.145		89358	61072
5.176		130665	111644
5.216		4147	2657
5.242		6685	5012
5.294		33112	20141
5.318		704183	585756
5.361		3226459	3287084
5.46		6063	3810
5.479		2804	1530
5.516		137404	114521
5.562		128583	115121
5.586		13986	7126
5.607		248740	174871
5.633		508589	395094
5.676		17646	18275

RT B	Compound B	Height B	Area B
5.714		62654	41479
5.74		1262885	994663
5.773		78625	59481
5.82		10935	9698
5.868		1337	919
5.883		2517	1494
5.939		279907	244894
5.976		1841	1282
6.004		16717	14690
6.054		1069	409
6.076		15050	9761
6.098	DCB	135898	111174
6.133		58352	50702
6.169		1425	792
6.226		12492	22575
6.274		4687	3718
6.301		32745	27629
6.336		2744	1701
6.367		2035	1214
6.402		4474	5236
6.439		2035	1607
6.466		6236	7172
6.521		4675	8614
6.543		1435	955
6.574		2511	3178
6.598		2758	1824
6.636		3068	3254
6.674		1964	2827
6.709		1389	1426
6.726		1619	716
6.745		1577	844
6.774		3930	6097
6.83		1228	2511
6.853		1167	641
6.868		1090	441
6.892		934	995
6.93		1952	1346
6.955		1276	427
6.976		991	284

9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082

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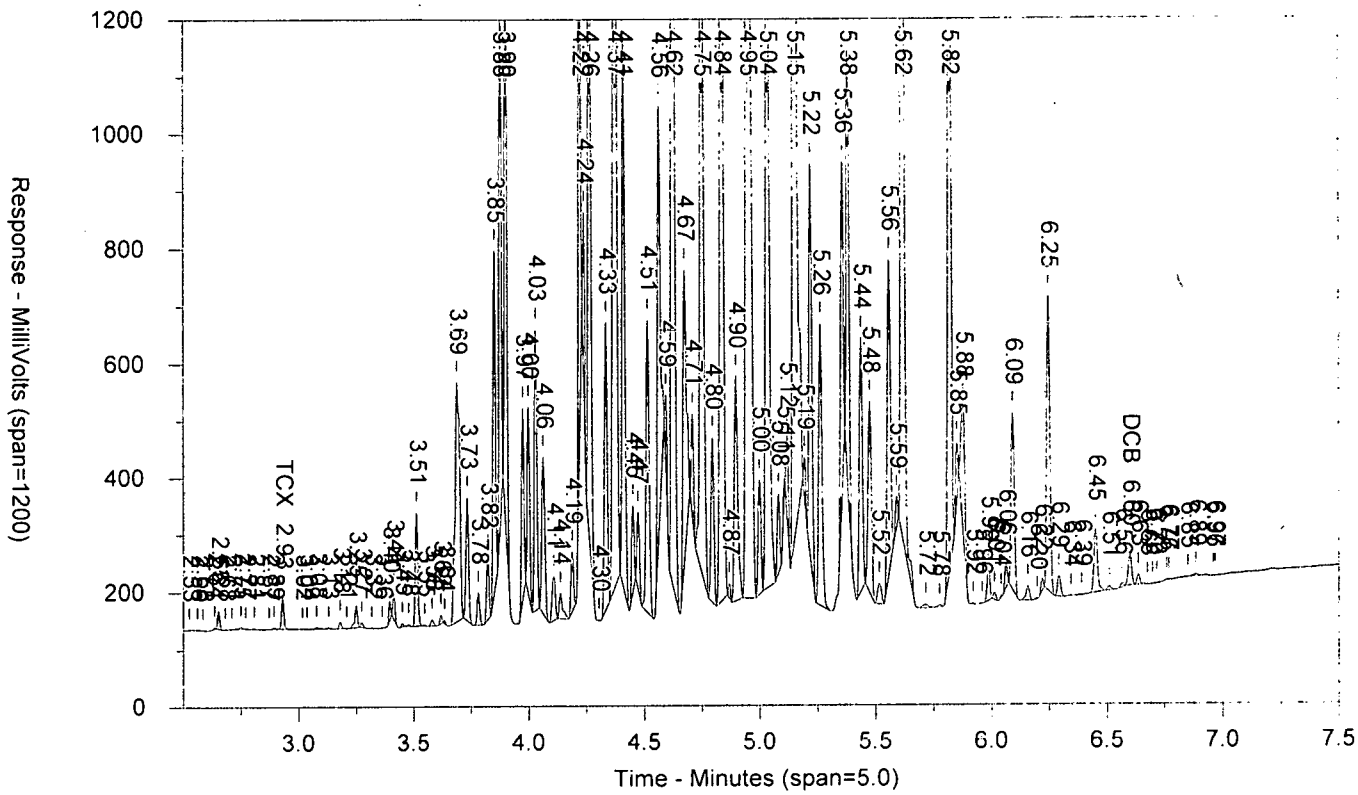

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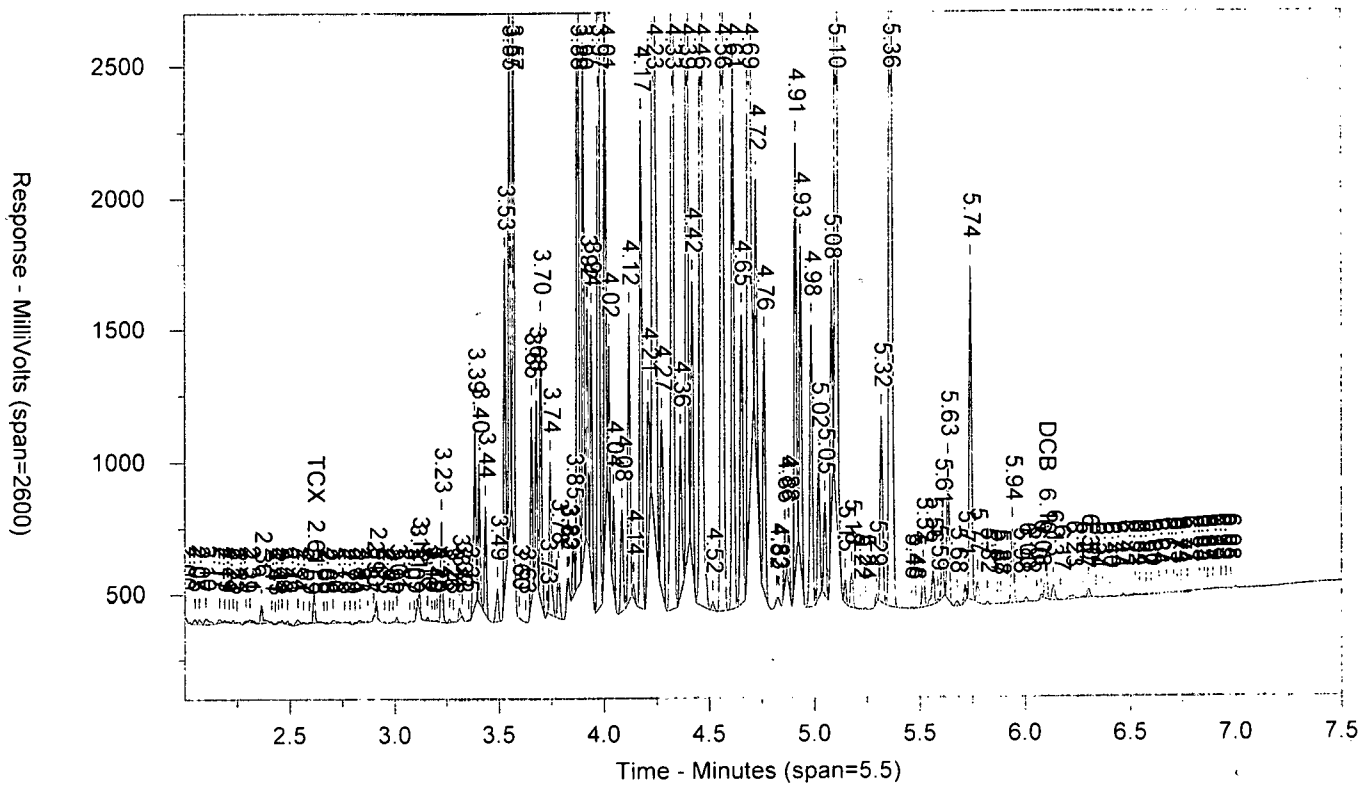


LANCASTER LABORATORIES

Sample Number: 9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:37:15 PM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

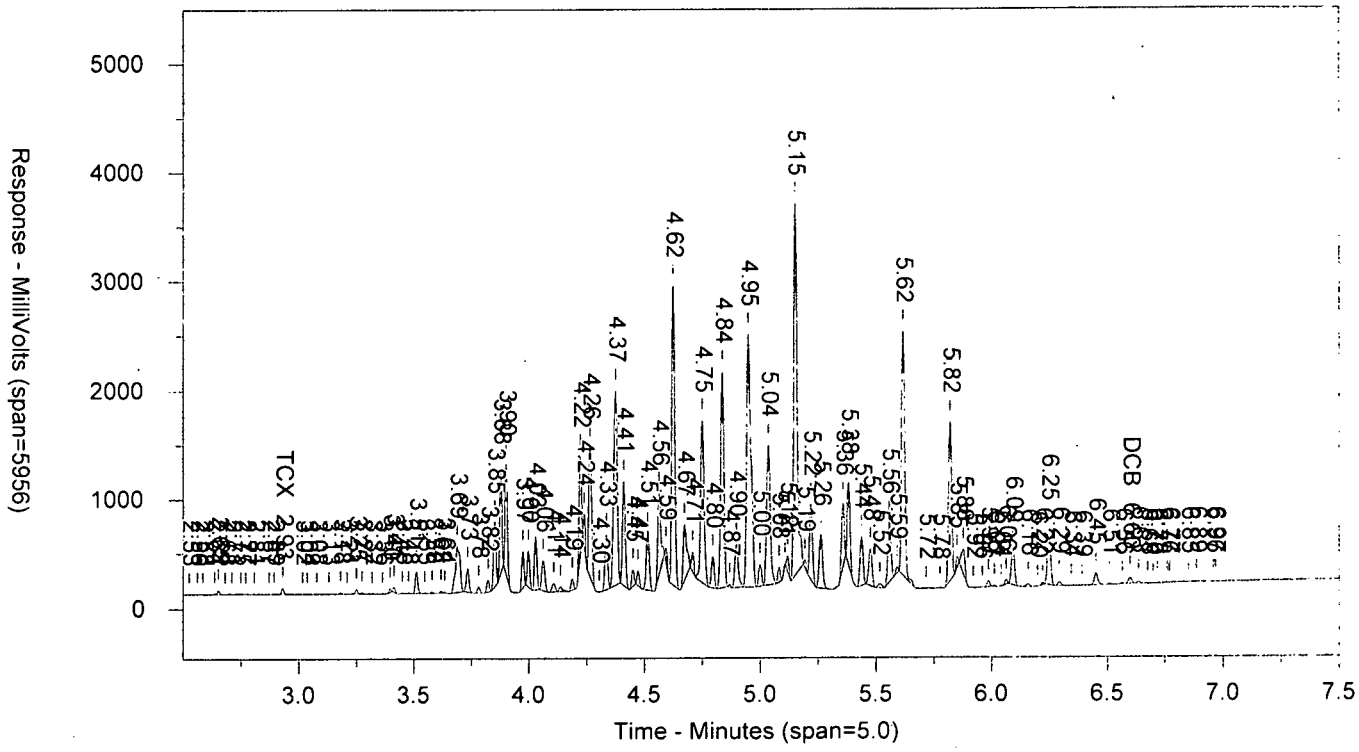
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	54781	17.922	TCX	2.615	112104	20.31	TCX
6.598	53717	27.507	DCB	6.098	135898	22.157	DCB

Files:
Area File: 25pcbs17284003.114.RAW
Area File: 25pcbs17284003B.114.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: 10/16/2017 3:45:46 PM
File Reported On: 10/16/2017 at 3:45:54 PM

9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.114.RAW



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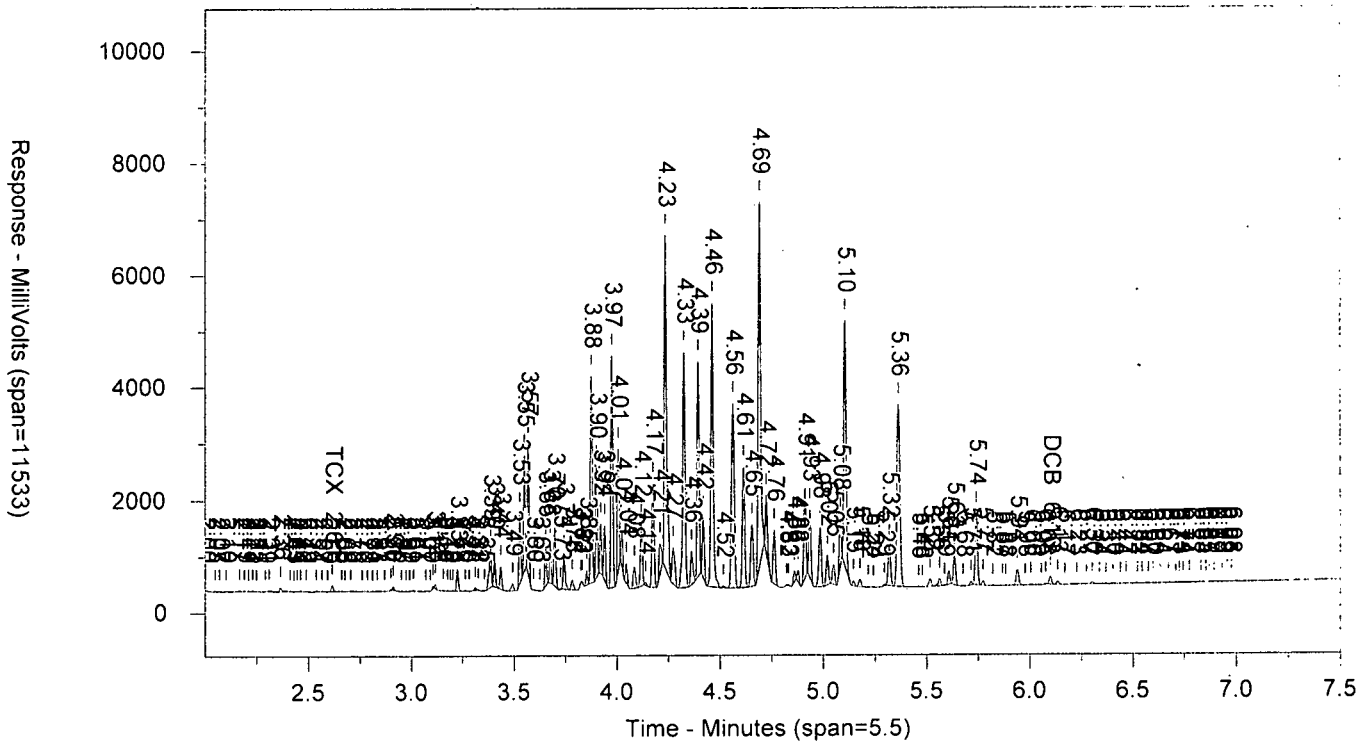

9229458 RI ACF DF50 AC98A09 T 172790013A 10225 SW-846 8082

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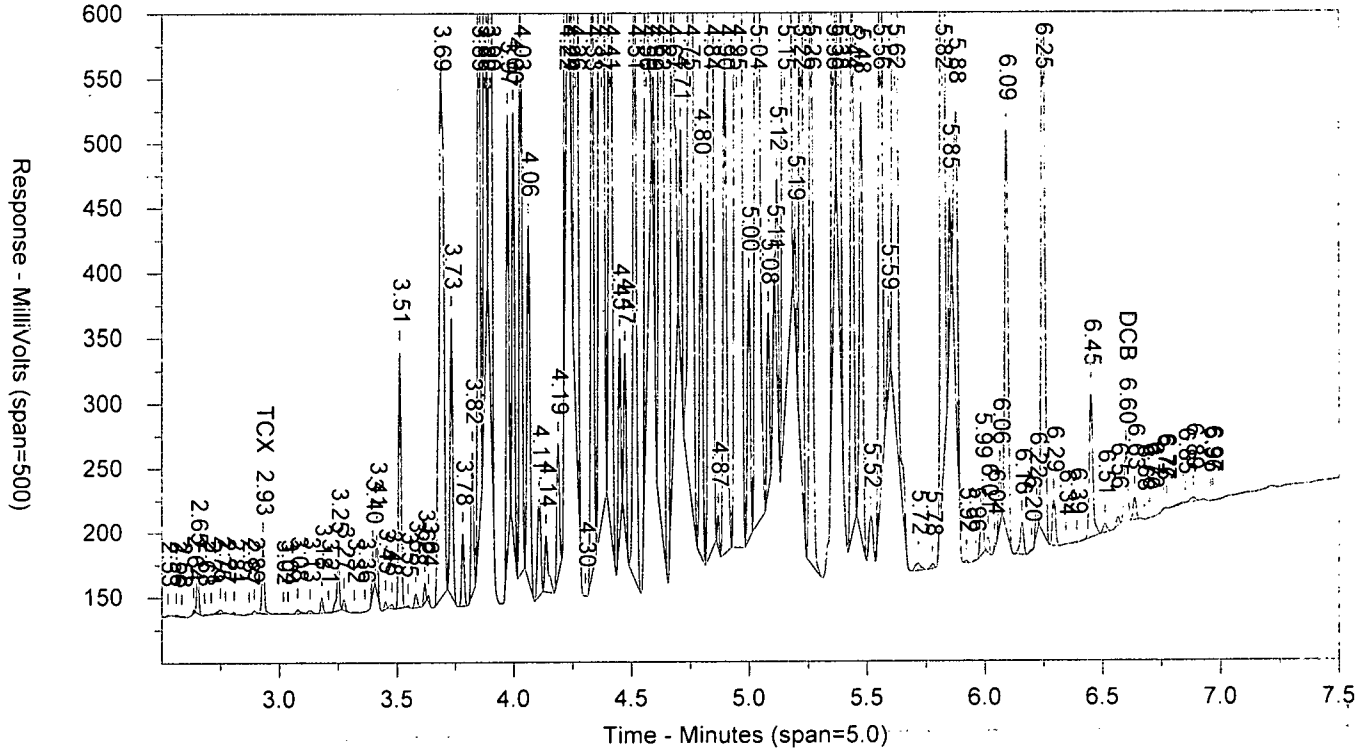

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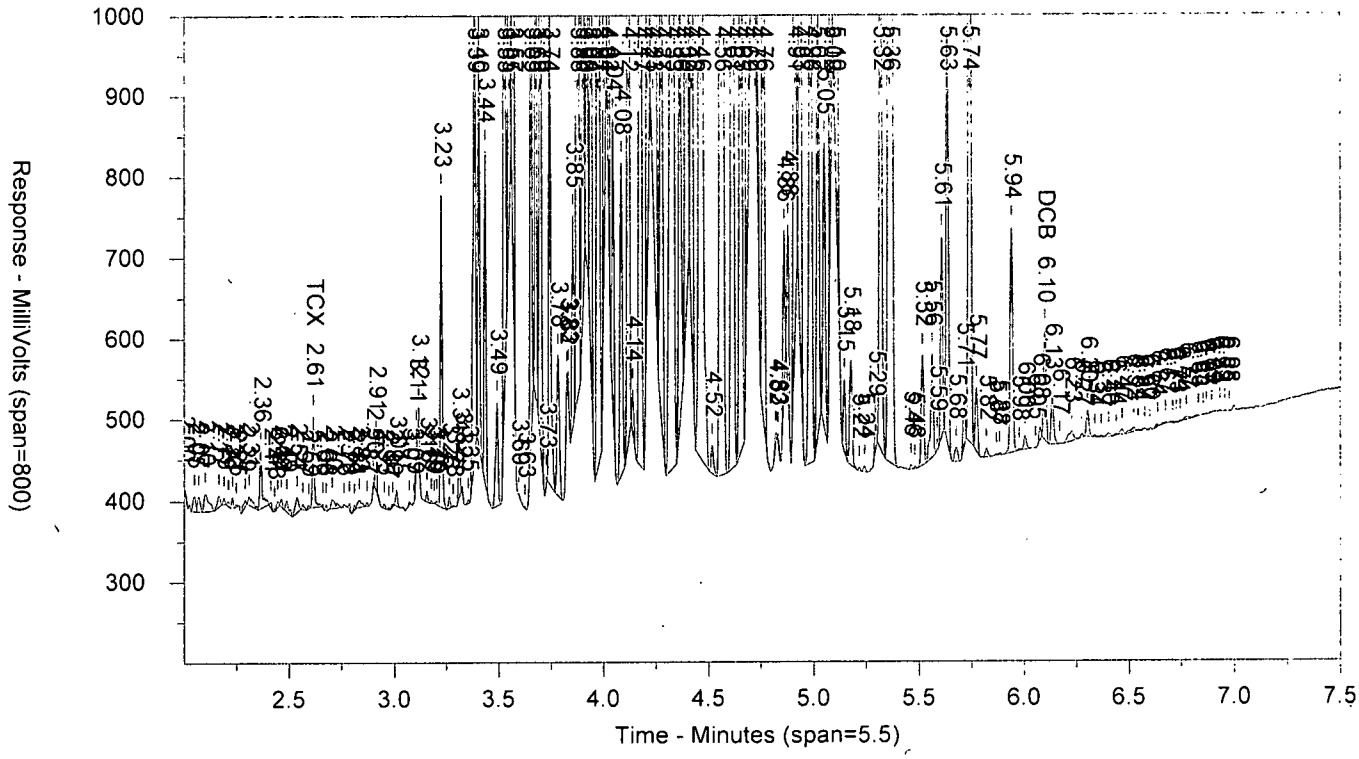

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Data Summary

Sample Name: 9229459 RI ACF DF50 98A10 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 15:49:06
Instrument	18274A
Result file	25PCBS17284003.115.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 77% (61 - 152) Conc: 23.25569
%SSR(DCB) 133% (48 - 164) Conc: 35.64621

Analysis Report (B)

Injected on	Oct 16, 2017 15:49:06
Instrument	18274B
Result file	25PCBS17284003B.115.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 83% (61 - 152) Conc: 25.15027
%SSR(DCB) 96% (48 - 164) Conc: 25.59491

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	71084	23.25569	Tetrachloro-m-xylene	2.58	2.61	2.64	138819	25.15027
Decachlorobiphenyl	6.57	6.60	6.63	69613	35.64621	Decachlorobiphenyl	6.07	6.10	6.13	156985	25.59491

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	25.15027				7.83	
☑	Tetrachloro-m-xylene-D1	A	23.25569					
☑	Tetrachloro-m-xylene-D2	B	25.15027					
☐	Decachlorobiphenyl	A	35.64621				32.83	
☑	Decachlorobiphenyl-D1	A	35.64621					
☑	Decachlorobiphenyl-D2	B	25.59491					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.69**	
4.73	4.75	4.77	1136123	12003.486997			1
4.93	4.95	4.97	1700123	15537.626561			2
5.13	5.16	5.17	2315581	17453.065809			3
5.36	5.38	5.40	747589.9	10597.042089			4
5.60	5.62	5.64	2323261	13195.638929			5
5.80	5.82	5.84	1369549	12324.425022			6

Height summation: **9592226.9**
Concentration CF: **13518.547568** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.03**	
4.31	4.33	4.35	2838145	12812.860248			1
4.44	4.46	4.48	3766371	15851.200489			2
4.55	4.57	4.59	2291656	11616.538716			3
4.89	4.91	4.93	1563927	10209.828867			4
5.09	5.10	5.13	4425687	12758.080031			5
5.34	5.36	5.38	3056794	11932.837093			6

Height summation: **17942580**
Concentration CF: **12530.224241** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2517.2755	<488.6476	D1		4	
☑	PCB-1221			<2517.2755	<755.1826	D1		3	
☑	PCB-1232			<2517.2755	<607.1076	D1		4	
☑	PCB-1242			<2517.2755	<607.1076	D1		4	
☑	PCB-1248			<2517.2755	<488.6476	D1		4	
☑	PCB-1254			<2517.2755	<651.5301	D1		4	
☑	PCB-1260	A	13518.547568	2517.2755	577.4926	D1	7.59	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:18

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229459** RI ACF DF50 98A10 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274A
Result file : 25PCBS17284003.115.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 77% (61-152) Conc.: 23.25569
%SSR(DCB) : 133% (48-164) Conc.: 35.64621

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	169.73	
3.16	3.18	3.20	2794.242	52.255436			1
3.38	3.40	3.42	8421.403	170.266324			2
3.49	3.51	3.53	19983.09	315.389991			3
3.71	3.74	3.75	31539.78	436.08636			4
3.76	3.79	3.80	12770.91	204.234869			5
3.96	3.98	4.00	141951.6	3373.139231			6
Height Summation:			**217461.025**				
Amount Avg CF:			**758.562035**	Linear:			
Aroclor-1221					3	48.92	
3.06	3.08	3.10	737.1532	32.298047			1
+ 3.06	3.10	3.10	656.8101	28.777849			1
3.11	3.13	3.15	1651.386	82.186904			2
3.16	3.18	3.20	2794.242	44.749066			3
Height Summation:			**5182.7812**				
Amount Avg CF:			**53.078005**	Linear:			
Aroclor-1232					6	175.48	
3.16	3.18	3.20	2794.242	51.103812			1
3.38	3.40	3.42	8421.403	413.239783			2
3.49	3.51	3.53	19983.09	726.133233			3
3.70	3.74	3.74	31539.78	942.696669			4
3.76	3.79	3.80	12770.91	517.124832			5
+ 3.95	3.95	3.99	632.6193	37.628213			6
3.95	3.98	3.99	141951.6	8443.285088			6
Height Summation:			**217461.025**				
Amount Avg CF:			**1848.93057**	Linear:			
Aroclor-1242					6	172.22	
3.16	3.18	3.20	2794.242	37.836708			1
3.37	3.40	3.41	8421.403	134.659133			2
3.49	3.51	3.53	19983.09	238.231829			3
3.70	3.74	3.74	31539.78	302.703226			4
3.76	3.79	3.80	12770.91	159.745902			5
+ 3.95	3.95	3.99	632.6193	11.685449			6
3.95	3.98	3.99	141951.6	2622.063881			6
Height Summation:			**217461.025**				
Amount Avg CF:			**582.540113**	Linear:			
Aroclor-1248					6	105.45	
3.71	3.74	3.75	31539.78	799.07971			1
3.76	3.79	3.80	12770.91	373.868257			2
3.83	3.86	3.87	210349	4073.044623			3
3.98	4.00	4.02	43030.51	2685.462866			4
4.04	4.07	4.08	83155.42	1643.944703			5
4.22	4.23	4.26	455270.6	9395.998505			6
+ 4.22	4.24	4.26	62428.46	1288.415542			6
Height Summation:			**836116.22**				
Amount Avg CF:			**3161.899777**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274B
Result file : 25PCBS17284003B.115.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 83% (61-152) Conc.: 25.15027
%SSR(DCB) : 96% (48-164) Conc.: 25.59491

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.68	
2.88	2.91	2.92	104845.5	1081.976603			1
3.21	3.23	3.25	45367.69	386.647593			2
3.40	3.41	3.44	69308.29	601.776683			3
+ 3.40	3.42	3.44	4954.108	43.014576			3
+ 3.40	3.44	3.44	57610.51	500.20945			3
3.47	3.49	3.51	31380.08	247.78222			4
3.53	3.55	3.57	326505.3	3098.985297			5
+ 3.53	3.57	3.57	297905.2	2827.53093			5
3.64	3.66	3.68	291946.2	2743.961132			6
Height Summation:			**869353.06**				
Amount Avg CF:			**1360.188255**	Linear:			
Aroclor-1221					3	91.45	
2.77	2.77	2.81	6989.832	150.035736			1
2.83	2.83	2.87	7945.846	282.221329			2
2.88	2.91	2.92	104845.5	921.816872			3
Height Summation:			**119781.178**				
Amount Avg CF:			**451.357979**	Linear:			
Aroclor-1232					6	112.20	
2.88	2.91	2.92	104845.5	1015.385744			1
3.21	3.23	3.25	45367.69	873.697282			2
3.40	3.41	3.44	69308.29	1352.4842			3
+ 3.40	3.42	3.44	4954.108	96.674623			3
+ 3.40	3.44	3.44	57610.51	1124.213345			3
3.47	3.49	3.51	31380.08	594.372859			4
3.53	3.55	3.57	326505.3	9080.14302			5
3.63	3.66	3.67	291946.2	7089.09439			6
Height Summation:			**869353.06**				
Amount Avg CF:			**3334.196249**	Linear:			
Aroclor-1242					6	98.18	
2.88	2.91	2.92	104845.5	826.320916			1
3.21	3.23	3.25	45367.69	297.006023			2
3.40	3.41	3.44	69308.29	411.704626			3
+ 3.40	3.42	3.44	4954.108	29.428358			3
+ 3.40	3.44	3.44	57610.51	342.217554			3
3.47	3.49	3.51	31380.08	188.541535			4
3.53	3.55	3.57	326505.3	2779.532998			5
3.63	3.66	3.67	291946.2	2060.01356			6
Height Summation:			**869353.06**				
Amount Avg CF:			**1093.853276**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229459** RI ACF DF50 98A10 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274A
Result file : 25PCBS17284003.115.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	64.43	
4.55	4.57	4.59	369903.8	6012.750067			1
+ 4.55	4.58	4.59	36324.34	590.448592			1
4.61	4.63	4.65	1082457	8985.611017			2
4.73	4.75	4.77	1136123	29352.753609			3
4.82	4.84	4.86	729010.1	8859.446013			4
5.02	5.04	5.06	829399.4	13836.33018			5
5.13	5.16	5.17	2315581	27542.040084			6
Height Summation:			**6462474.3**				
Amount Avg CF:			**15764.821828**	Linear:			
Aroclor-1260					6	18.69	
4.73	4.75	4.77	1136123	12003.486997			1
4.93	4.95	4.97	1700123	15537.626561			2
5.13	5.16	5.17	2315581	17453.065809			3
5.36	5.38	5.40	747589.9	10597.042089			4
5.60	5.62	5.64	2323261	13195.638929			5
5.80	5.82	5.84	1369549	12324.425022			6
Height Summation:			**9592226.9**				
Amount Avg CF:			**13518.547568**	Linear:			
Aroclor-1262					6	37.46	
5.20	5.22	5.24	670487.1	6069.378261			1
+ 5.36	5.36	5.40	336430.6	3494.015456			2
5.36	5.38	5.40	747589.9	7764.129261			2
E 5.60	5.62	5.64	2323261	10661.748631			3
5.80	5.82	5.84	1369549	9539.098193			4
5.86	5.88	5.90	208232.8	3066.622219			5
6.23	6.25	6.27	522967.1	6366.239992			6
Height Summation:			**5842086.9**				
Amount Avg CF:			**7244.536093**	Linear:			
Aroclor-1268					6	97.38	
5.80	5.82	5.84	1369549	5537.451006			1
5.86	5.88	5.90	208232.8	934.365124			2
5.99	6.02	6.03	11512.94	55.534846			3
+ 6.06	6.07	6.10	39692.5	687.606798			4
6.06	6.09	6.10	239447.7	4148.034674			4
6.23	6.25	6.27	522967.1	5812.981179			5
6.43	6.45	6.47	100565.3	145.998294			6
Height Summation:			**2452274.84**				
Amount Avg CF:			**2772.394187**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274B
Result file : 25PCBS17284003B.115.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	102.39	
3.40	3.41	3.44	69308.29	1189.349457			1
+ 3.40	3.42	3.44	4954.108	85.013866			1
+ 3.40	3.44	3.44	57610.51	988.612311			1
3.47	3.49	3.51	31380.08	447.650968			2
3.51	3.53	3.55	446976.8	3889.475768			3
3.64	3.66	3.68	291946.2	2074.484143			4
+ 3.73	3.73	3.77	11469.15	117.5467			5
3.73	3.75	3.77	166006.5	1701.391664			5
3.86	3.88	3.90	1535426	8948.556726			6
Height Summation:			**2541043.87**				
Amount Avg CF:			**3041.818121**	Linear:			
Aroclor-1254					6	64.74	
+ 4.22	4.22	4.26	224598.8	859.765364			1
4.22	4.24	4.26	2257013	8639.857393			1
4.31	4.33	4.35	2838145	22411.259619			2
4.38	4.40	4.42	1358471	8790.470905			3
4.44	4.46	4.48	3766371	38166.614341			4
4.59	4.62	4.63	996005.7	8868.605978			5
4.67	4.69	4.71	4384486	25720.827677			6
Height Summation:			**15600491.7**				
Amount Avg CF:			**18766.272652**	Linear:			
Aroclor-1260					6	15.03	
4.31	4.33	4.35	2838145	12812.860248			1
4.44	4.46	4.48	3766371	15851.200489			2
4.55	4.57	4.59	2291656	11616.538716			3
4.89	4.91	4.93	1563927	10209.828867			4
5.09	5.10	5.13	4425687	12758.080031			5
5.34	5.36	5.38	3056794	11932.837093			6
Height Summation:			**17942580**				
Amount Avg CF:			**12530.224241**	Linear:			
Aroclor-1262					6	37.53	
4.70	4.72	4.74	1084453	4568.080485			1
4.89	4.91	4.93	1563927	6965.967635			2
+ 5.08	5.08	5.12	360033.5	768.841971			3
5.08	5.10	5.12	4425687	9450.936972			3
5.30	5.32	5.34	678416.1	3651.149263			4
5.34	5.36	5.38	3056794	9608.929542			5
5.72	5.74	5.76	1204694	5618.902312			6
Height Summation:			**12013971.1**				
Amount Avg CF:			**6643.994368**	Linear:			
Aroclor-1268					6	126.54	
5.30	5.32	5.34	678416.1	1225.920041			1
5.35	5.36	5.39	3056794	5441.095741			2
5.50	5.52	5.54	74464.41	145.428413			3
5.57	5.59	5.61	16041.96	114.793597			4
5.72	5.74	5.76	1204694	5356.547194			5
5.92	5.94	5.96	243916	119.340028			6
Height Summation:			**5274326.47**				
Amount Avg CF:			**2067.187502**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229459** RI ACF DF50 98A10 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274A
Result file : 25PCBS17284003.115.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 15:49:06
Instrument : CP25--18274B
Result file : 25PCBS17284003B.115.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			2517.2755	488.6476		** 56.79	4	40	
Aroclor-1221			2517.2755	755.1826		** 157.91	3	5	
Aroclor-1232			2517.2755	607.1076		** 57.31	4	10	
Aroclor-1242			2517.2755	607.1076		** 61.00	4	30	
Aroclor-1248			2517.2755	488.6476		3.87	4	40	
Aroclor-1254			2517.2755	651.5301		17.38	4	40	
Aroclor-1260			2517.2755	577.4926		7.59	4	40	
Aroclor-1262			2517.2755	488.6476	E	8.65	4	40	
Aroclor-1268			2517.2755	488.6476		29.14	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:49:06 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: 25pcbs17284003.115.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.01		766	405
2.038		6409	5229
2.048		6487	4574
2.085		3599	5460
2.118		1511	1014
2.138		1077	593
2.155		1529	1232
2.206		39842	31310
2.277		524	476
2.3		695	332
2.318		709	305
2.332		2329	1397
2.368		1757	1405
2.427		674	489
2.453		592	316
2.491		4177	4396
2.526		1247	1725
2.561		979	1061
2.637		4162	1967
2.654		31748	19762
2.713		443	238
2.751		3328	6790
2.808		2977	2161
2.833		538	440
2.875		535	733
2.893		2838	2635
2.931	TCX	71084	48099
3.076		737	547
3.095		657	487
3.128		1651	1644
3.182		2794	1973
3.213		678	424
3.252		51917	38551
3.276		1077	623
3.325		615	607
3.399		8421	4758
3.415		5331	2926
3.452		1307	612
3.482		1714	1974
3.514		19983	14970
3.545		1060	1115
3.589		1697	1386
3.606		801	391
3.623		3124	2894
3.658		534	204
3.694		43388	67734
3.737		31540	27219
3.786		12771	10092
3.826		10605	7267
3.855		210349	160381
3.881		140488	95086
3.904		133327	94214
3.953		633	265
3.978		141952	102791

RT A	Compound A	Height A	Area A
4.002		43031	27632
4.033		61110	45268
4.067		83155	75284
4.109		18915	19213
4.14		5541	3904
4.168		5459	3717
4.191		23105	16007
4.227		455271	332762
4.243		62428	33817
4.27		222930	191892
4.338		183872	152009
4.38		850190	882786
4.414		312740	269648
4.455		29070	20449
4.477		46019	35561
4.518		249830	231466
4.568		369904	271779
4.584		36324	70371
4.629		1082457	991365
4.678		387266	415328
4.714		129175	94580
4.754		1136123	1088271
4.799		90679	79204
4.84		729010	727381
4.872		14211	8217
4.9		275554	279396
4.952		1700123	2127303
5.003		200823	176049
5.041		829399	946383
5.085		56243	37758
5.122		151684	198816
5.156		2315581	2336247
5.197		32456	16003
5.223		670487	611780
5.265		458825	467594
5.36		336431	270867
5.385		747590	625497
5.441		422034	400100
5.478		271363	276558
5.52		31792	37933
5.561		331219	359693
5.595		9967	5145
5.62		2323261	2280296
5.716		2487	3781
5.782		1077	1028
5.824		1369549	1298790
5.854		99707	65450
5.877		208233	256250
5.959		1312	1129
5.99		22624	18815
6.015		11513	9093
6.066		39693	31193
6.094		239448	227127
6.159		7394	9327
6.2		910	520
6.223		3192	2558
6.25		522967	519377
6.295		35123	32461
6.337		5412	5323
6.379		425	347
6.454		100565	101971
6.512		6554	7884
6.601	DCB	69613	80969
6.639		3931	2980
6.665		1625	1810
6.721		810	1260

RT A	Compound A	Height A	Area A
6.796		268	3613
6.823		793	641
6.849		1861	1840
6.886		3579	4859
6.926		1056	954
6.973		428	524

LANCASTER LABORATORIES

Sample Number: 9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:49:06 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: 25pcbs17284003B.115.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.023		6457	2879
2.048		15506	15045
2.069		15282	13044
2.1		17890	31479
2.164		10822	11721
2.188		6906	4105
2.211		4996	2991
2.229		9310	4954
2.246		3288	1504
2.29		6746	7338
2.309		9912	14745
2.364		74421	70818
2.445		5239	3052
2.462		7789	4543
2.489		11048	10790
2.538		14499	16738
2.564		5408	4599
2.592		3457	2525
2.614	TCX	138819	84224
2.676		6339	3029
2.703		9022	11177
2.728		3296	1705
2.767		6990	14055
2.809		6437	3852
2.834		7946	10204
2.868		4945	2555
2.91		104846	74403
2.949		5104	3678
2.972		3354	1354
2.989		3293	1875
3.009		3678	2499
3.071		5633	4823
3.093		1061	639
3.106		14296	7058
3.117		8292	3283
3.156		2794	1460
3.172		525	81
3.179		1619	411
3.191		1170	450
3.226		45368	38123
3.265		9823	6178
3.281		1003	544
3.311		9862	5931
3.326		2731	1099
3.357		3953	2369
3.376		11101	5573
3.386		57112	27521
3.406		69308	36080
3.419		4954	1468
3.436		57611	32433
3.494		31380	23864
3.53		446977	276178
3.553		326505	173140
3.571		297905	169693

RT B	Compound B	Height B	Area B
3.601		4082	2048
3.616		1635	1708
3.657		291946	189744
3.68		106319	56380
3.701		132291	97276
3.73		11469	5144
3.746		166007	107374
3.786		50262	36588
3.826		43927	35248
3.855		104701	61080
3.878		1535426	1012098
3.903		279942	159714
3.922		236217	130236
3.942		359045	232954
3.977		1888683	1259141
4.008		657891	408587
4.025		245504	128771
4.046		60041	36895
4.086		130420	106103
4.121		491042	350586
4.141		25102	15393
4.177		1043619	750770
4.218		224599	258183
4.237		2257013	2040968
4.276		432652	429412
4.328		2838145	2222766
4.365		192520	165955
4.397		1358471	931097
4.421		690107	480046
4.464		3766371	2872289
4.519		11159	7650
4.565		2291656	2305762
4.616		996006	815651
4.656		768956	648275
4.693		4384486	3469716
4.725		1084453	727396
4.763		956746	721783
4.835		24599	26843
4.863		184907	122031
4.879		103145	56949
4.913		1563927	1154835
4.936		613739	420206
4.986		911093	797337
5.021		496614	382564
5.051		334981	269441
5.083		360034	224467
5.105		4425687	3444325
5.147		87984	63076
5.178		111140	90827
5.218		3474	2147
5.253		2116	2054
5.297		32559	20891
5.32		678416	548349
5.364		3056794	3056611
5.412		2298	3386
5.464		3367	2490
5.482		1869	1004
5.518		74464	63012
5.563		112136	90818
5.588		16042	8565
5.609		69746	47442
5.637		474597	391137
5.674		12466	12414
5.715		18292	11291
5.742		1204694	988428
5.774		80469	59052

RT B	Compound B	Height B	Area B
5.823		7757	8436
5.862		1407	660
5.889		1476	1094
5.941		243916	213725
5.978		1819	1218
6.004		14875	13637
6.061		812	1755
6.078		4368	2346
6.1	DCB	156985	134298
6.137		18111	19633
6.177		2100	1287
6.215		9486	20919
6.278		5122	3907
6.303		45292	39671
6.352		1691	741
6.369		2511	1436
6.401		5698	8234
6.436		2548	2121
6.466		5588	5118
6.522		2820	3445
6.545		4507	3188
6.57		1793	1617
6.604		3395	2936
6.632		1888	1260
6.679		3227	4254
6.698		2447	3115
6.754		1767	2188
6.789		3280	4496
6.827		2535	2705
6.859		1301	973
6.961		1677	9007
6.981		1216	388

9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082

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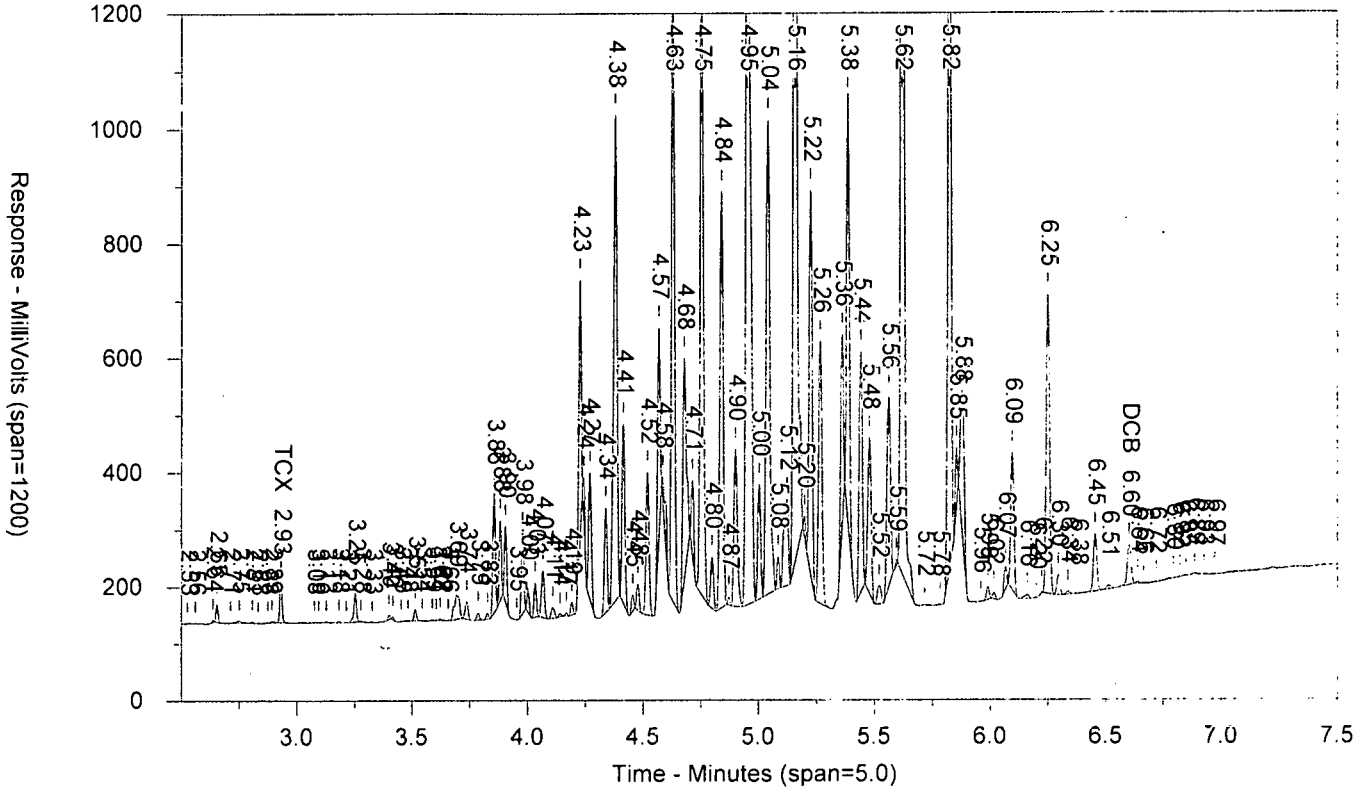

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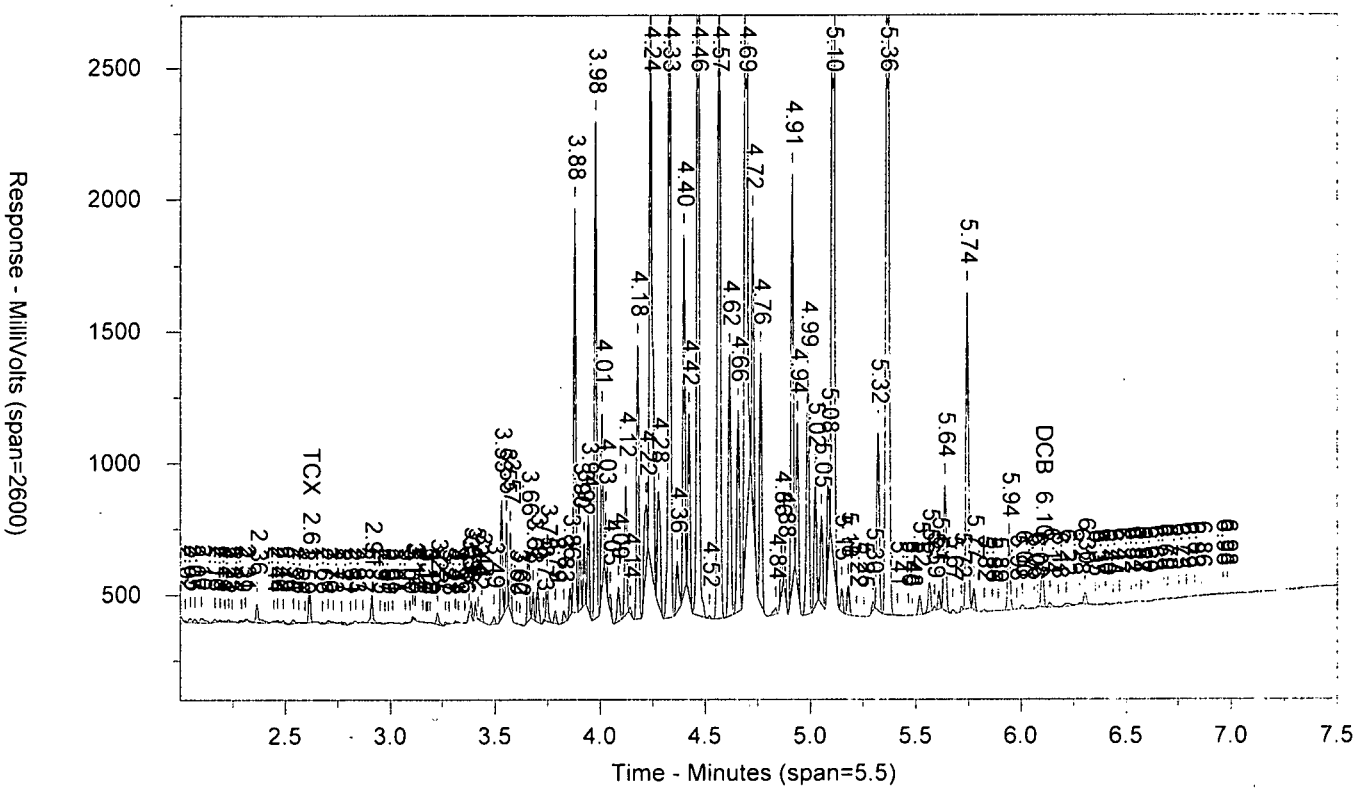

LANCASTER LABORATORIES

Sample Number: 9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 3:49:06 PM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	71084	23.256	TCX	2.614	138819	25.15	TCX
6.601	69613	35.646	DCB	6.1	156985	25.595	DCB

Files:
Area File: 25pcbs17284003.115.RAW
Area File: 25pcbs17284003B.115.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: 10/16/2017 3:57:35 PM
File Reported On: 10/16/2017 at 3:57:49 PM

9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082

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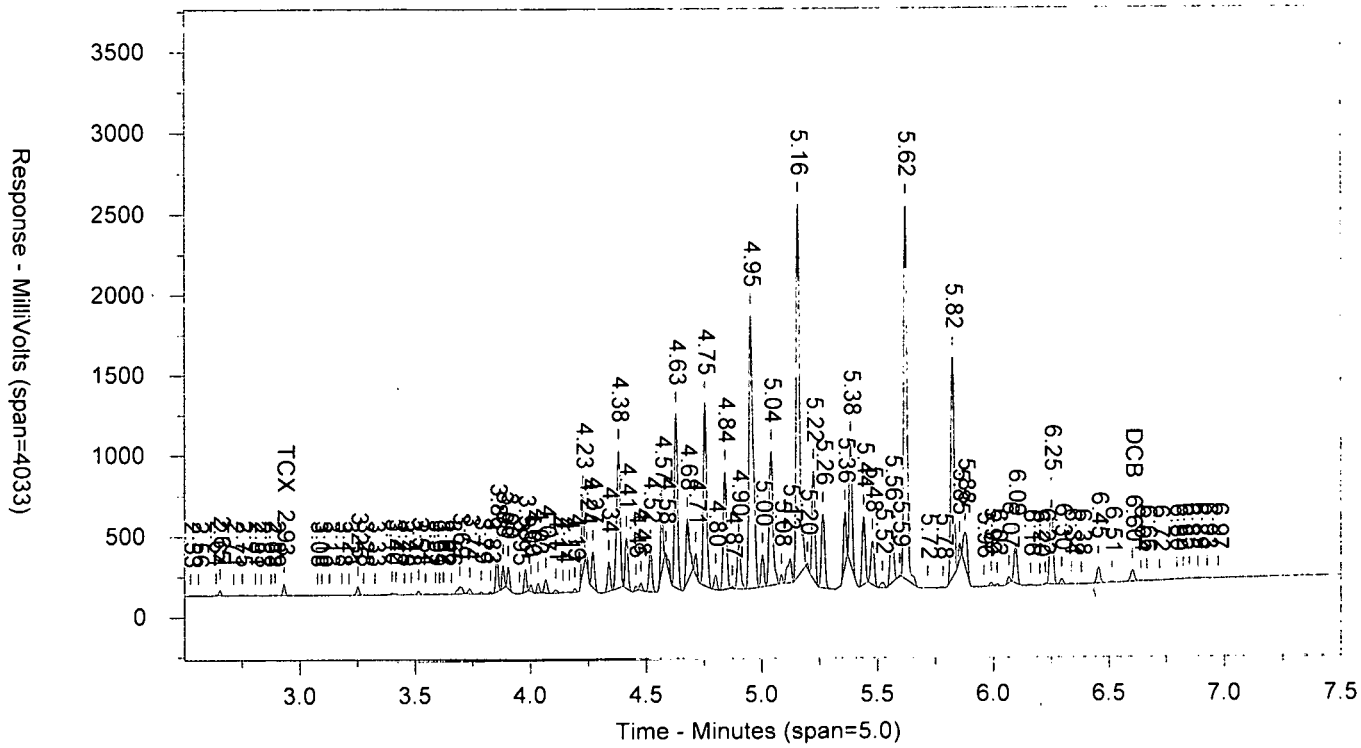

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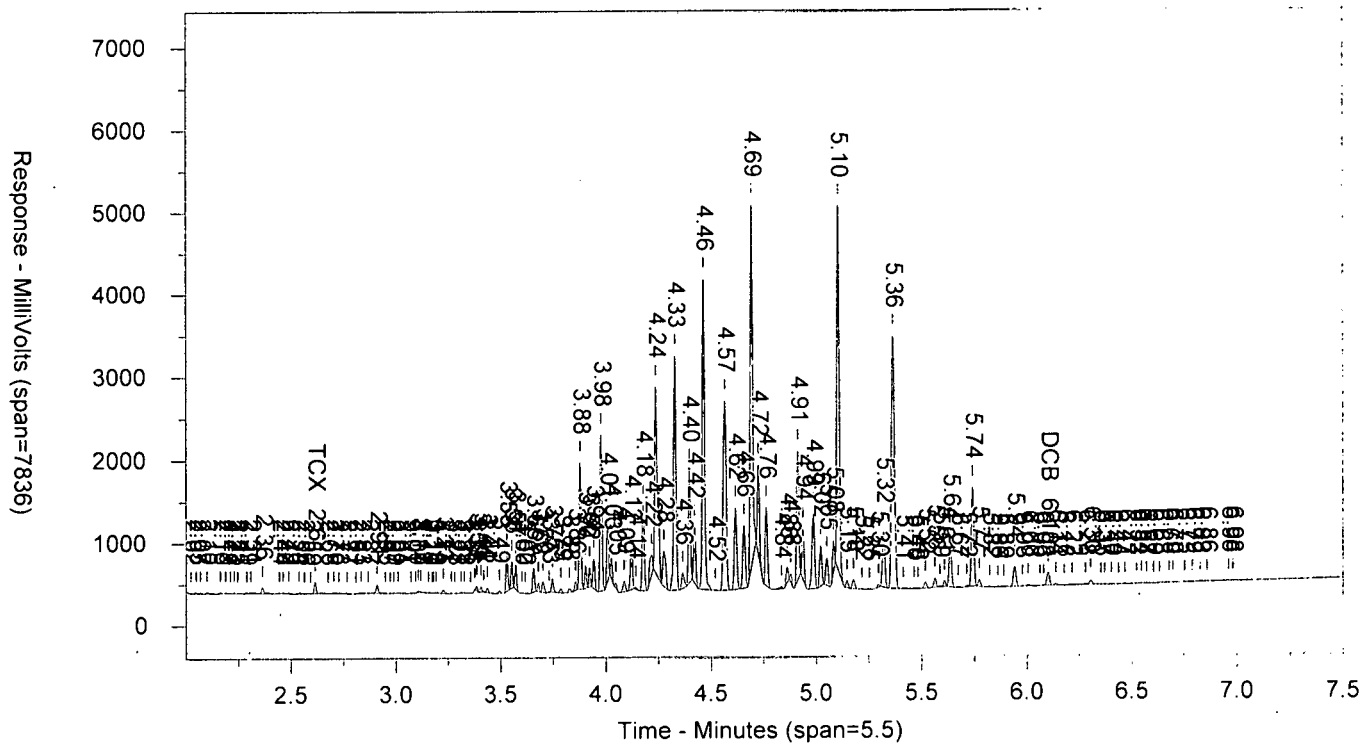

9229459 RI ACF DF50 AC98A10 T 172790013A 10225 SW-846 8082

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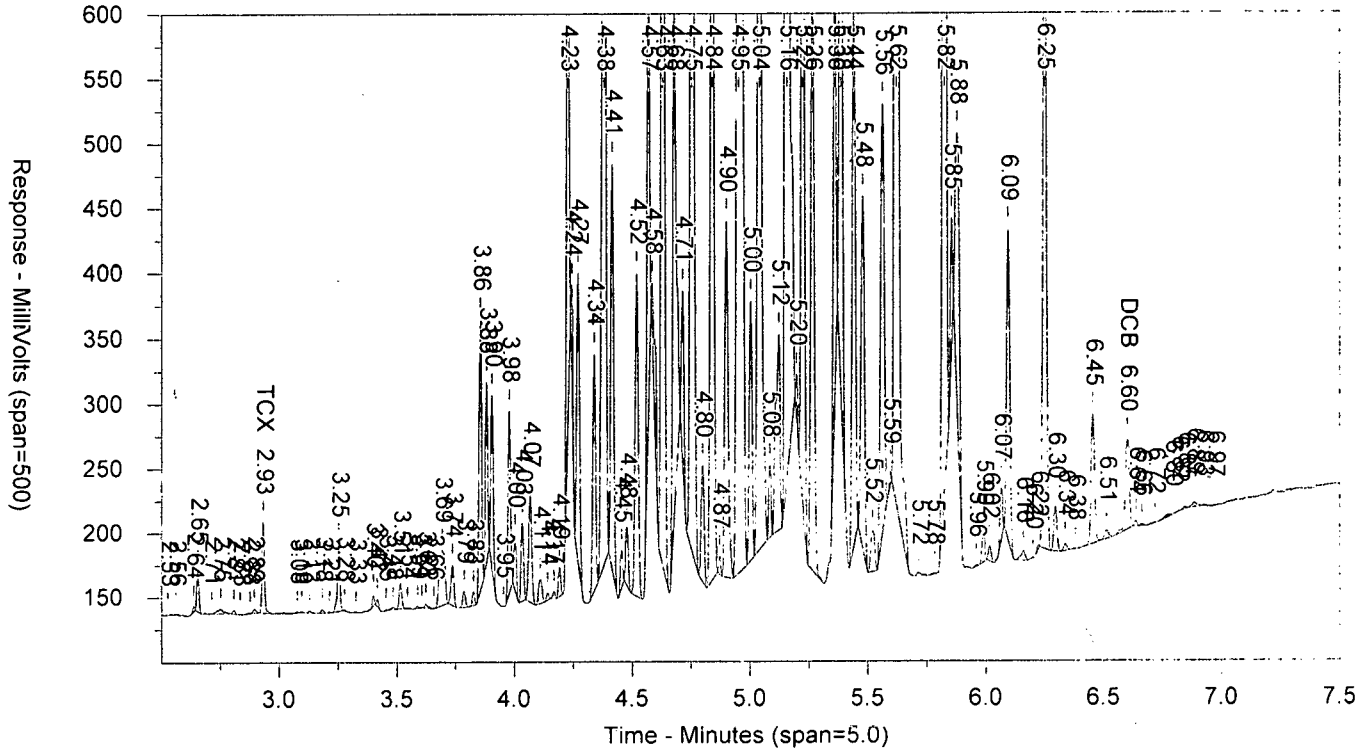

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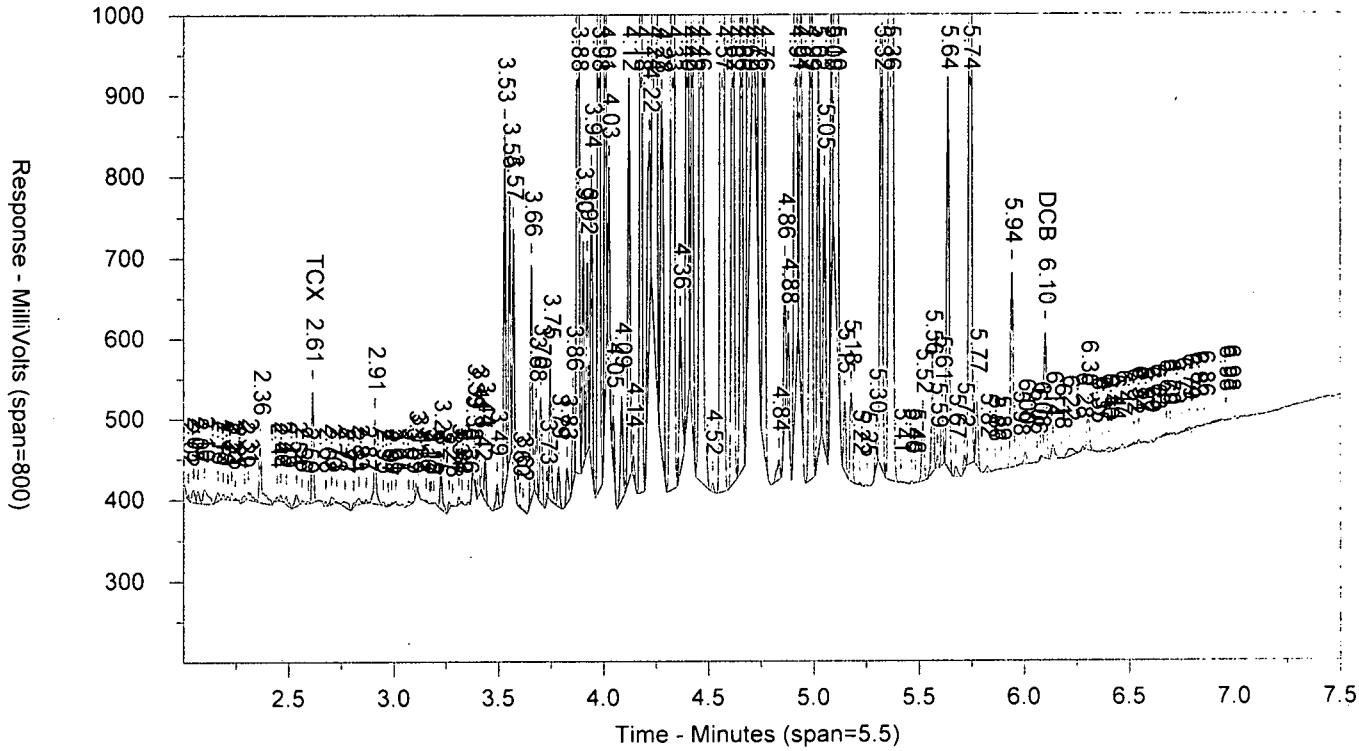

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Data Summary

Sample Name: 9229460 RI ACF DF5 98A11 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.01 g Total Volume: 50 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Oct 16, 2017 16:00:15
Instrument 18274A
Result file 25PCBS17284003.116.RAW
Calibration file 25PCBS1728401
Method file 25PCBS

%SSR(TCX) * 52% (61 - 152) Conc: 15.97985
%SSR(DCB) 75% (48 - 164) Conc: 20.27004

Analysis Report (B)

Injected on Oct 16, 2017 16:00:15
Instrument 18274B
Result file 25PCBS17284003B.116.RAW
Calibration file 25PCBS1728401B
Method file 25PCBSB

%SSR(TCX) * 45% (61 - 152) Conc: 13.65501
%SSR(DCB) 55% (48 - 164) Conc: 14.80813

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	482661	15.97985
Decachlorobiphenyl	6.57	6.60	6.63	391162	20.27004

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.62	2.64	744770	13.65501
Decachlorobiphenyl	6.07	6.10	6.13	897487	14.80813

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	15.97985				15.69	
☑	Tetrachloro-m-xylene-D1	A	15.97985					
☑	Tetrachloro-m-xylene-D2	B	13.65501					
☐	Decachlorobiphenyl	A	20.27004				31.14	
☑	Decachlorobiphenyl-D1	A	20.27004					
☑	Decachlorobiphenyl-D2	B	14.80813					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**21.75**	
4.55	4.56	4.59	733834	1207.139765			1
4.61	4.62	4.65	2238084	1880.133602			2
4.82	4.83	4.86	1265147	1555.927579			4
Height summation:			**4237065**				
Concentration		CF:	**1547.733649**	L:			
Aroclor-1260						**13.73**	
5.36	5.38	5.40	1081008	1550.691869			4
5.60	5.62	5.64	3321884	1909.379485			5
5.80	5.82	5.84	2235217	2035.561141			6
Height summation:			**6638109**				
Concentration		CF:	**1831.877498**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**12.62**	
4.22	4.23	4.26	4075064	1578.637137			1
4.38	4.39	4.42	2069724	1355.34411			3
4.59	4.61	4.63	1368381	1233.03652			5
Height summation:			**7513169**				
Concentration		CF:	**1389.005922**	L:			
Aroclor-1260						**19.38**	
4.89	4.91	4.93	1827353	1207.257198			4
5.09	5.10	5.13	5963513	1739.73125			5
5.34	5.36	5.38	4348118	1717.727343			6
Height summation:			**12138984**				
Concentration		CF:	**1554.905264**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:20

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Data Summary

Sample Name: 9229460 RI ACF DF5 98A11 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.01 g Total Volume: 50 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 16:00:15
Instrument	18274A
Result file	25PCBS17284003.116.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 16:00:15
Instrument	18274B
Result file	25PCBS17284003B.116.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			<254.7453	<49.4505	D1		4	
☑	PCB-1221			<254.7453	<76.4236	D1		3	
☑	PCB-1232			<254.7453	<61.4386	D1		4	
☑	PCB-1242			<254.7453	<61.4386	D1		4	
☑	PCB-1248			<254.7453	<49.4505	D1		4	
☑	PCB-1254	A	1547.733649	254.7453	65.9341	D1	10.81	4	
☑	PCB-1260	A	1831.877498	254.7453	58.4416	D1	16.36	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:20

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229460** RI ACF DF5 98A11 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.01 g Total Volume: 50 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.116.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *52% (61-152) Conc.: 15.97985
%SSR(DCB) : 75% (48-164) Conc.: 20.27004

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.33	
3.16	3.18	3.20	8419.653	15.934448			1
+ 3.38	3.39	3.42	22801.24	46.652846			2
3.38	3.41	3.42	50242.43	102.799337			2
3.49	3.51	3.53	281906.2	450.26196			3
3.71	3.73	3.75	326519.6	456.876128			4
+ 3.76	3.78	3.80	10508.57	17.006974			5
3.76	3.79	3.80	20615.96	33.364681			5
3.96	3.97	4.00	239999	577.136811			6
Height Summation:			**927702.843**				
Amount Avg CF:			**272.728894**	Linear:			
Aroclor-1221					3	79.62	
3.06	3.08	3.10	4254.022	18.862255			1
3.11	3.13	3.15	11373.16	57.280993			2
3.16	3.18	3.20	8419.653	13.645502			3
Height Summation:			**24046.835**				
Amount Avg CF:			**29.929583**	Linear:			
Aroclor-1232					6	93.66	
3.16	3.18	3.20	8419.653	15.583279			1
+ 3.38	3.39	3.42	22801.24	113.227393			2
3.38	3.41	3.42	50242.43	249.496052			2
E 3.49	3.51	3.53	281906.2	1036.653611			3
3.70	3.73	3.74	326519.6	987.63833			4
+ 3.76	3.78	3.80	10508.57	43.061836			5
3.76	3.79	3.80	20615.96	84.479723			5
E 3.95	3.97	3.99	239999	1444.627778			6
Height Summation:			**927702.843**				
Amount Avg CF:			**636.413129**	Linear:			
Aroclor-1242					6	91.62	
3.16	3.18	3.20	8419.653	11.537691			1
+ 3.37	3.39	3.41	22801.24	36.896502			2
3.37	3.41	3.41	50242.43	81.301277			2
3.49	3.51	3.53	281906.2	340.108225			3
3.70	3.73	3.74	326519.6	317.134152			4
+ 3.76	3.78	3.80	10508.57	13.302304			5
3.76	3.79	3.80	20615.96	26.096773			5
3.95	3.97	3.99	239999	448.629447			6
Height Summation:			**927702.843**				
Amount Avg CF:			**204.134594**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.116.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *45% (61-152) Conc.: 13.65501
%SSR(DCB) : 55% (48-164) Conc.: 14.80813

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	108.14	
2.88	2.91	2.92	969429.2	1012.417257			1
3.21	3.22	3.25	440831.4	380.20387			2
+ 3.21	3.24	3.25	8601.284	7.41835			2
3.40	3.40	3.44	599735.8	526.969541			3
+ 3.40	3.43	3.44	578083.9	507.944678			3
3.47	3.49	3.51	140745.2	112.466985			4
+ 3.53	3.55	3.57	1998594	1919.681712			5
3.53	3.57	3.57	2927041	2811.470002			5
+ 3.64	3.65	3.68	475980	452.729924			6
3.64	3.68	3.68	618862.9	588.633459			6
Height Summation:			**5696645.5**				
Amount Avg CF:			**905.360186**	Linear:			
Aroclor-1221					3	156.25	
2.77	2.79	2.81	4412.607	9.585143			1
2.83	2.83	2.87	14237.51	51.175147			2
2.88	2.91	2.92	969429.2	862.554057			3
Height Summation:			**988079.317**				
Amount Avg CF:			**307.771449**	Linear:			
Aroclor-1232					6	142.98	
2.88	2.91	2.92	969429.2	950.107467			1
3.21	3.22	3.25	440831.4	859.136573			2
+ 3.21	3.24	3.25	8601.284	16.763047			2
E 3.40	3.40	3.44	599735.8	1184.356255			3
E+ 3.40	3.43	3.44	578083.9	1141.598155			3
3.47	3.49	3.51	140745.2	269.782568			4
E+ 3.53	3.55	3.57	1998594	5624.739335			5
E 3.53	3.57	3.57	2927041	8237.712435			5
E 3.63	3.65	3.67	475980	1169.639441			6
Height Summation:			**5553762.6**				
Amount Avg CF:			**2111.789123**	Linear:			
Aroclor-1242					6	124.36	
2.88	2.91	2.92	969429.2	773.197454			1
3.21	3.22	3.25	440831.4	292.056233			2
+ 3.21	3.24	3.25	8601.284	5.698457			2
3.40	3.40	3.44	599735.8	360.525431			3
+ 3.40	3.43	3.44	578083.9	347.509598			3
3.47	3.49	3.51	140745.2	85.577964			4
E+ 3.53	3.55	3.57	1998594	1721.795411			5
E 3.53	3.57	3.57	2927041	2521.655605			5
3.63	3.65	3.67	475980	339.884473			6
Height Summation:			**5553762.6**				
Amount Avg CF:			**728.816193**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229460** RI ACF DF5 98A11 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.01 g Total Volume: 50 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.116.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	92.96	
3.71	3.73	3.75	326519.6	837.174646			1
+ 3.76	3.78	3.80	10508.57	31.132625			2
3.76	3.79	3.80	20615.96	61.076716			2
3.83	3.85	3.87	465984.2	913.114576			3
3.98	4.00	4.02	340685.6	2151.650869			4
4.04	4.06	4.08	235008.4	470.170522			5
4.22	4.24	4.26	156498.4	326.857612			6
Height Summation:			1545312.16				
Amount Avg CF:			793.340824	Linear:			
Aroclor-1254					6	64.01	
4.55	4.56	4.59	733834	1207.139765			1
4.61	4.62	4.65	2238084	1880.133602			2
E 4.73	4.75	4.77	1986985	5195.094521			3
4.82	4.83	4.86	1265147	1555.927579			4
5.02	5.04	5.06	1178716	1989.948087			5
E 5.13	5.15	5.17	4138069	4980.916078			6
Height Summation:			11540835				
Amount Avg CF:			2801.526605	Linear:			
Aroclor-1260					6	28.26	
4.73	4.75	4.77	1986985	2124.476986			1
4.93	4.95	4.97	3306331	3057.919394			2
5.13	5.15	5.17	4138069	3156.347745			3
5.36	5.38	5.40	1081008	1550.691869			4
5.60	5.62	5.64	3321884	1909.379485			5
5.80	5.82	5.84	2235217	2035.561141			6
Height Summation:			16069494				
Amount Avg CF:			2305.729437	Linear:			
Aroclor-1262					6	41.02	
5.20	5.22	5.24	795343.7	728.591317			1
E 5.36	5.38	5.40	1081008	1136.144597			2
E 5.60	5.62	5.64	3321884	1542.731218			3
E 5.80	5.82	5.84	2235217	1575.523204			4
5.86	5.88	5.90	309068.8	460.618814			5
E 6.23	6.24	6.27	822251.8	1012.951937			6
Height Summation:			8564773.3				
Amount Avg CF:			1076.093515	Linear:			
Aroclor-1268					6	96.98	
5.80	5.82	5.84	2235217	914.591964			1
5.86	5.88	5.90	309068.8	140.345346			2
5.99	6.01	6.03	22318.95	10.895031			3
+ 6.06	6.06	6.10	56318.59	98.732208			4
6.06	6.09	6.10	536071	939.786906			4
6.23	6.24	6.27	822251.8	924.921233			5
6.43	6.45	6.47	164789.6	24.210558			6
Height Summation:			4089717.15				
Amount Avg CF:			492.458506	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.116.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	62.32	
3.40	3.40	3.44	599735.8	1041.500869			1
+ 3.40	3.43	3.44	578083.9	1003.900191			1
3.47	3.49	3.51	140745.2	203.18631			2
3.51	3.53	3.55	863191.6	760.13138			3
3.64	3.65	3.68	475980	342.271994			4
3.73	3.74	3.77	389758.9	404.250547			5
3.86	3.87	3.90	2084497	1229.42134			6
Height Summation:			4553908.5				
Amount Avg CF:			663.460407	Linear:			
Aroclor-1254					6	62.69	
4.22	4.23	4.26	4075064	1578.637137			1
4.31	4.32	4.35	3998405	3195.16902			2
4.38	4.39	4.42	2069724	1355.34411			3
E 4.44	4.46	4.48	5380468	5517.673015			4
4.59	4.61	4.63	1368381	1233.03652			5
4.67	4.69	4.71	7678188	4558.27331			6
Height Summation:			24570230				
Amount Avg CF:			2906.355519	Linear:			
Aroclor-1260					6	20.00	
4.31	4.32	4.35	3998405	1826.727048			1
4.44	4.46	4.48	5380468	2291.577147			2
4.55	4.56	4.59	3212426	1647.918837			3
4.89	4.91	4.93	1827353	1207.257198			4
5.09	5.10	5.13	5963513	1739.73125			5
5.34	5.36	5.38	4348118	1717.727343			6
Height Summation:			24730283				
Amount Avg CF:			1738.489804	Linear:			
Aroclor-1262					6	41.17	
4.70	4.72	4.74	1359093	579.358731			1
4.89	4.91	4.93	1827353	823.688103			2
E 5.08	5.10	5.12	5963513	1288.758994			3
5.30	5.32	5.34	891458.4	485.523093			4
E 5.34	5.36	5.38	4348118	1383.201738			5
5.72	5.74	5.76	1686510	796.047574			6
Height Summation:			16076045.4				
Amount Avg CF:			892.763039	Linear:			
Aroclor-1268					6	118.22	
5.30	5.32	5.34	891458.4	163.020585			1
5.35	5.36	5.39	4348118	783.243654			2
5.50	5.51	5.54	555470.7	109.783491			3
5.57	5.58	5.61	15966.53	11.562351			4
5.72	5.74	5.76	1686510	758.878898			5
5.92	5.94	5.96	379358.7	18.783273			6
Height Summation:			7876882.33				
Amount Avg CF:			307.545375	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229460** RI ACF DF5 98A11 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.01 g Total Volume: 50 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274A
Result file : 25PCBS17284003.116.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 16:00:15
Instrument : CP25--18274B
Result file : 25PCBS17284003B.116.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			254.7452	49.4505		** 107.40	4	40	
Aroclor-1221			254.7452	76.4236		** 164.55	3	5	
Aroclor-1232			254.7452	61.4386	E	** 107.37	4	10	
Aroclor-1242			254.7452	61.4386		** 112.48	4	30	
Aroclor-1248			254.7452	49.4505		17.83	4	40	
Aroclor-1254			254.7452	65.9341	E	3.67	4	40	
Aroclor-1260			254.7452	58.4416		28.05	4	40	
Aroclor-1262			254.7452	49.4505	E	18.62	4	40	
Aroclor-1268			254.7452	49.4505		** 46.23	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:00:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.116.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.049		9807	10274
2.081		8161	11132
2.121		1028	492
2.139		1831	852
2.155		7192	4472
2.205		32417	25042
2.281		1166	706
2.301		933	638
2.33		16004	11859
2.363		2619	1526
2.395		1533	2371
2.448		2124	1259
2.49		3822	6298
2.544		4000	6966
2.591		1504	1377
2.636		54440	31467
2.652		27088	13875
2.706		1594	858
2.736		903	1967
2.751		2959	1959
2.776		12152	8951
2.806		11594	8146
2.844		2836	2191
2.868		2012	1466
2.89		4876	2741
2.93	TCX	482661	338666
2.992		1253	790
3.018		7168	4694
3.053		1046	529
3.076		4254	4328
3.127		11373	10373
3.18		8420	5645
3.21		2469	1292
3.25		627572	462087
3.274		9095	5245
3.296		5252	2690
3.31		7414	4718
3.395		22801	13156
3.411		50242	29805
3.45		7110	4642
3.475		9462	8118
3.51		281906	203547
3.548		37007	26602
3.577		25261	23839
3.619		15000	17712
3.687		483680	680146
3.732		326520	250865
3.781		10509	5907
3.792		20616	10513
3.82		128192	97110
3.85		465984	336846
3.876		1011958	679805
3.899		1523483	1058197
3.948		24794	15657

RT A	Compound A	Height A	Area A
3.972		239999	170063
3.996		340686	250642
4.028		502818	402882
4.062		235008	221238
4.108		73901	54524
4.127		47265	54373
4.186		88433	71066
4.221		615453	420768
4.238		156498	79413
4.263		1108060	959439
4.302		9394	5792
4.333		459278	373228
4.374		1360701	1464268
4.408		728031	612234
4.449		173853	126744
4.47		121353	84160
4.513		341980	337181
4.562		733834	1209869
4.623		2238085	1963389
4.673		614536	680407
4.708		116707	70165
4.729		28542	14484
4.749		1986985	1754897
4.794		187415	156862
4.834		1265147	1323527
4.867		22237	13248
4.895		433503	410572
4.946		3306331	3922708
4.997		249364	218681
5.036		1178716	1293617
5.08		126012	92081
5.117		304372	361099
5.15		4138069	4080695
5.198		231267	153956
5.218		795344	638745
5.259		789581	944822
5.302		61530	48855
5.332		63851	46179
5.356		604170	462388
5.38		1081008	867949
5.436		626748	581958
5.473		641211	607277
5.506		241413	275836
5.557		544641	516747
5.591		371877	250735
5.616		3321884	3009525
5.703		6315	7993
5.735		2419	1356
5.777		10828	9759
5.82		2235217	2066098
5.851		193890	138076
5.875		309069	301463
5.914		2274	1797
5.984		272711	237587
6.008		22319	13304
6.041		8713	5232
6.061		56319	42082
6.09		536071	504749
6.155		69693	82466
6.192		2885	1653
6.218		35485	26687
6.245		822252	773868
6.29		54218	53655
6.338		2956	2896
6.371		1924	2262
6.411		591	355

RT A	Compound A	Height A	Area A
6.448		164790	177139
6.505		8035	9806
6.562		13566	11678
6.596	DCB	391162	393076
6.631		21701	17758
6.654		3868	2919
6.708		677	858
6.732		1035	528
6.756		3365	3272
6.813		1700	1911
6.838		5612	5173
6.888		5003	7668
6.924		2197	1388
6.95		2118	1788
6.979		464	145

LANCASTER LABORATORIES

Sample Number: 9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:00:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.116.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.068		1583	1267
2.099		5419	8452
2.141		3153	3356
2.163		5485	3906
2.19		4024	1908
2.231		13113	11127
2.285		5151	7429
2.311		22308	9282
2.321		37626	15749
2.365		67170	43584
2.421		4796	5219
2.471		4251	3761
2.494		16644	12570
2.545		26838	22375
2.591		2025	1048
2.615	TCX	744770	449964
2.649		21826	15089
2.684		2283	1154
2.704		13272	8799
2.745		3368	2273
2.786		4413	2313
2.814		6352	3571
2.833		14238	8236
2.878		2746	1842
2.911		969429	654575
2.971		18743	13860
3.009		26326	27501
3.033		32472	16428
3.061		385	133
3.078		575	181
3.09		569	335
3.105		35908	16284
3.117		76408	35043
3.151		24521	22897
3.184		11323	5945
3.2		3011	1343
3.225		440831	263093
3.243		8601	5332
3.267		4453	1943
3.277		4654	1866
3.288		1811	626
3.305		57971	42071
3.327		7767	5876
3.353		12670	6496
3.384		732078	496004
3.404		599736	348458
3.434		578084	351835
3.491		140745	137057
3.527		863192	531746
3.55		1998594	1020085
3.568		2927041	1582161
3.597		4669	2397
3.622		9717	7025
3.653		475980	277129

RT B	Compound B	Height B	Area B
3.675		618863	337959
3.696		971028	644850
3.725		4814	1674
3.741		389759	281406
3.779		163109	134378
3.805		2121	742
3.823		23414	12759
3.835		81258	49007
3.852		71986	31118
3.875		2084497	1364542
3.899		1333973	741439
3.918		857198	480432
3.938		807607	481288
3.973		2855292	1971355
4.004		1339875	841108
4.022		345323	177844
4.044		373589	231938
4.083		277480	229183
4.117		625656	413362
4.144		45860	38439
4.158		20901	8757
4.173		1160368	800662
4.213		360257	377705
4.234		4075064	3531854
4.271		595288	544839
4.325		3998405	3668030
4.362		359547	390448
4.394		2069724	1349152
4.418		1086423	739575
4.461		5380468	4786707
4.514		227840	170100
4.561		3212426	3153055
4.612		1368381	1066777
4.653		1218243	1045264
4.689		7678188	6155052
4.721		1359093	874020
4.761		1404186	1393109
4.803		35482	19852
4.819		8328	3337
4.859		336119	219607
4.876		159558	85404
4.909		1827353	1391467
4.933		1119068	815413
4.983		1751373	1451604
5.021		894301	759757
5.048		359245	258039
5.081		1375019	858480
5.102		5963513	4408008
5.143		121544	84985
5.174		284773	253257
5.215		8204	5846
5.241		13666	9935
5.272		4779	3159
5.295		25696	17502
5.317		891458	796273
5.36		4348118	4434644
5.406		5328	7169
5.46		6203	4273
5.478		1559	673
5.515		555471	476268
5.562		170021	166804
5.585		15967	7598
5.607		399100	307531
5.632		670829	554170
5.677		92052	94125
5.713		98304	70640

RT B	Compound B	Height B	Area B
5.74		1686511	1334713
5.772		105910	83026
5.82		43341	35491
5.863		4984	4658
5.883		3648	2383
5.939		379359	335449
5.975		1235	1191
6.004		20820	17325
6.026		5466	4067
6.074		22401	11708
6.097	DCB	897487	774687
6.133		68530	56880
6.223		10661	20084
6.273		19940	16657
6.3		6461	5674
6.335		6849	5433
6.365		6858	6238
6.402		2685	2211
6.423		3813	3382
6.462		8873	7417
6.5		1076	577
6.516		5032	3417
6.54		18944	16287
6.571		3203	2429
6.615		10942	8826
6.662		2239	1642
6.679		4144	2772
6.727		7878	7741
6.765		3982	2874
6.791		8546	8122
6.849		2334	4146
6.866		4063	2589
6.885		1115	384
6.907		1042	362
6.97		2784	4591

9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082

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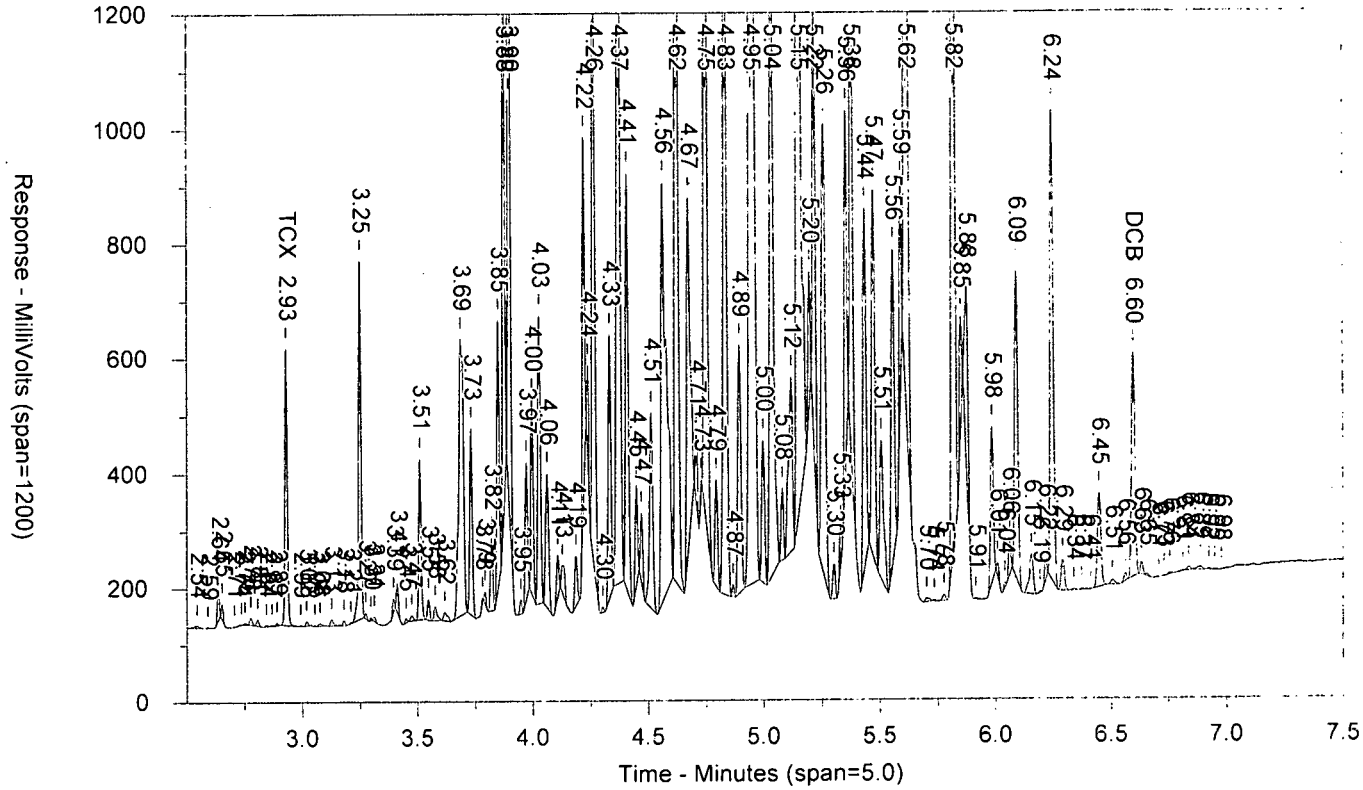

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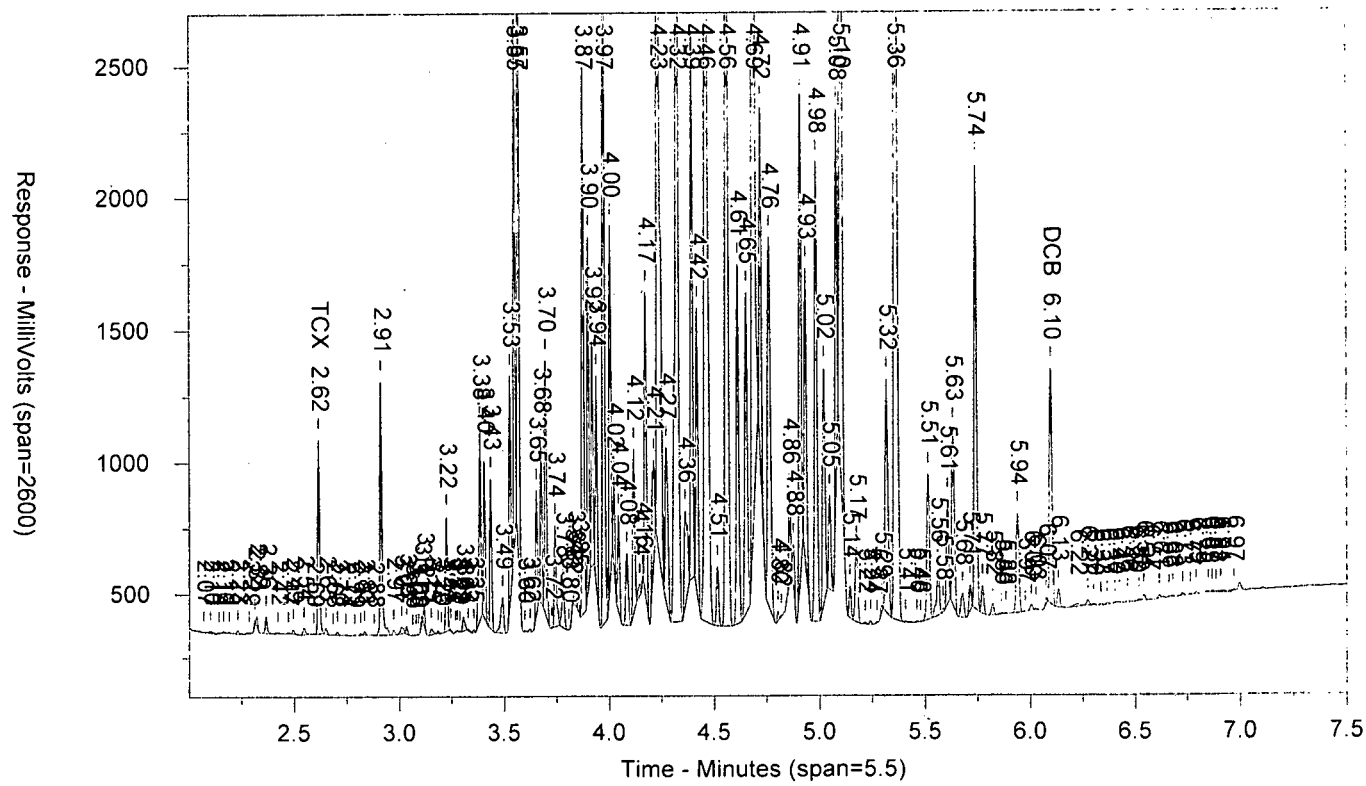


LANCASTER LABORATORIES

Sample Number: 9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:00:15 PM Sample Weight: 10.01
Instrument ID: CP25-18274 Dilution Factor: 50
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

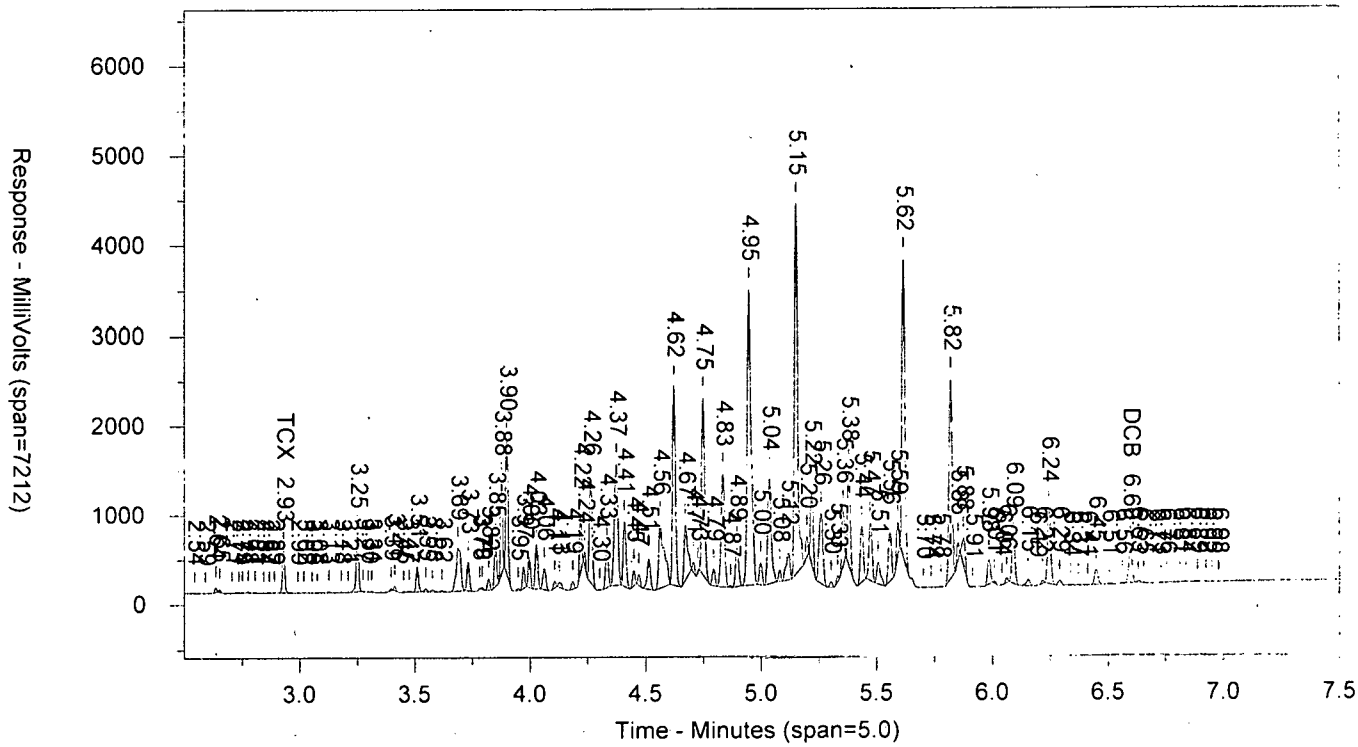
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	482661	15.98	TCX	2.615	744770	13.655	TCX
6.596	391162	20.27	DCB	6.097	897487	14.808	DCB

Files:
Area File: 25pcbs17284003.116.RAW
Area File: 25pcbs17284003B.116.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: 10/16/2017 4:08:45 PM
File Reported On: 10/16/2017 at 4:08:55 PM

9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.116.RAW



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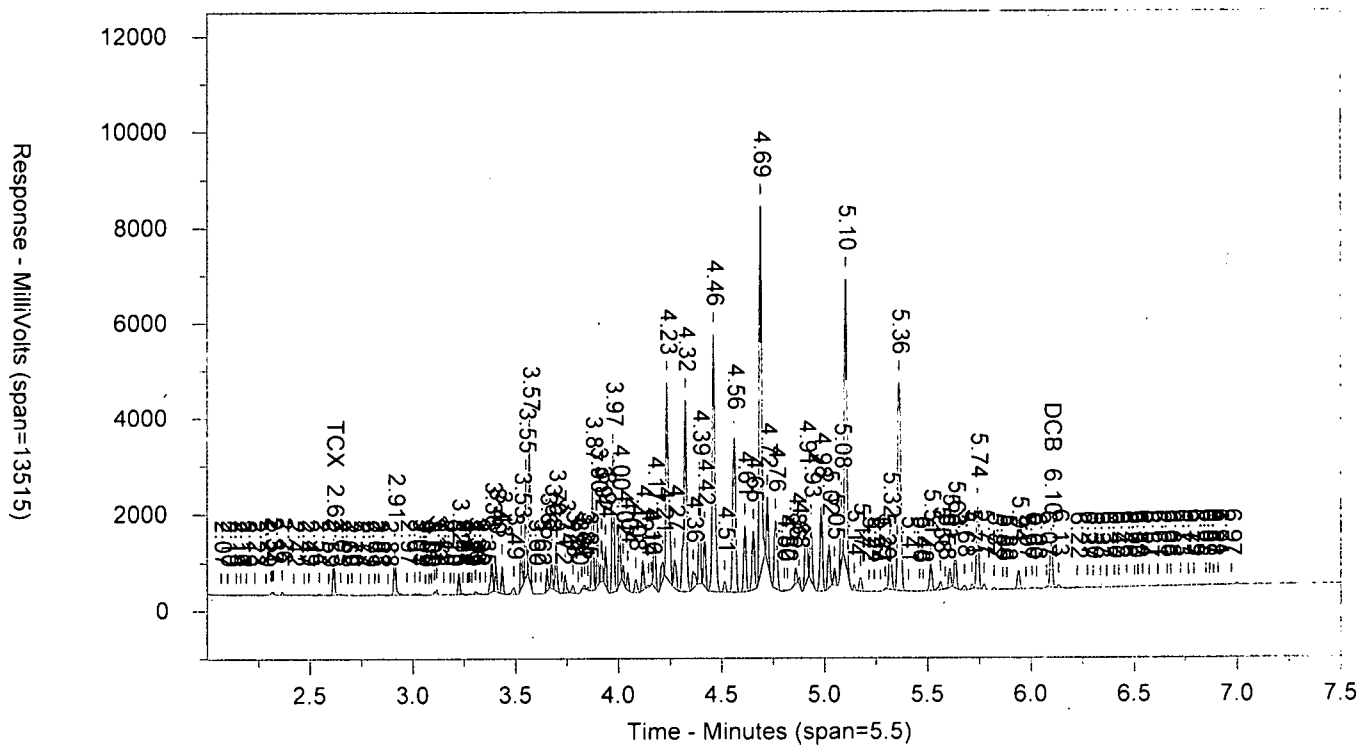

9229460 RI ACF DF5 AC98A11 T 172790013A 10225 SW-846 8082

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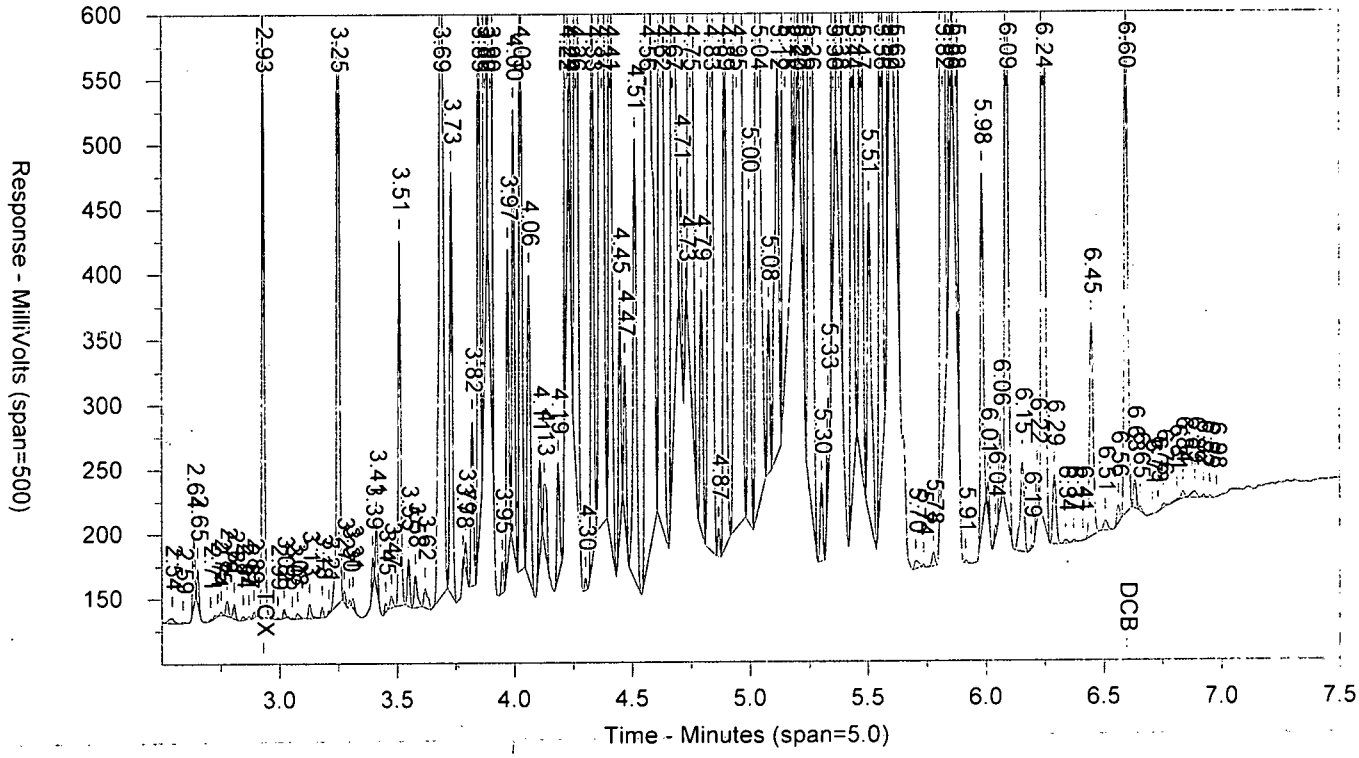

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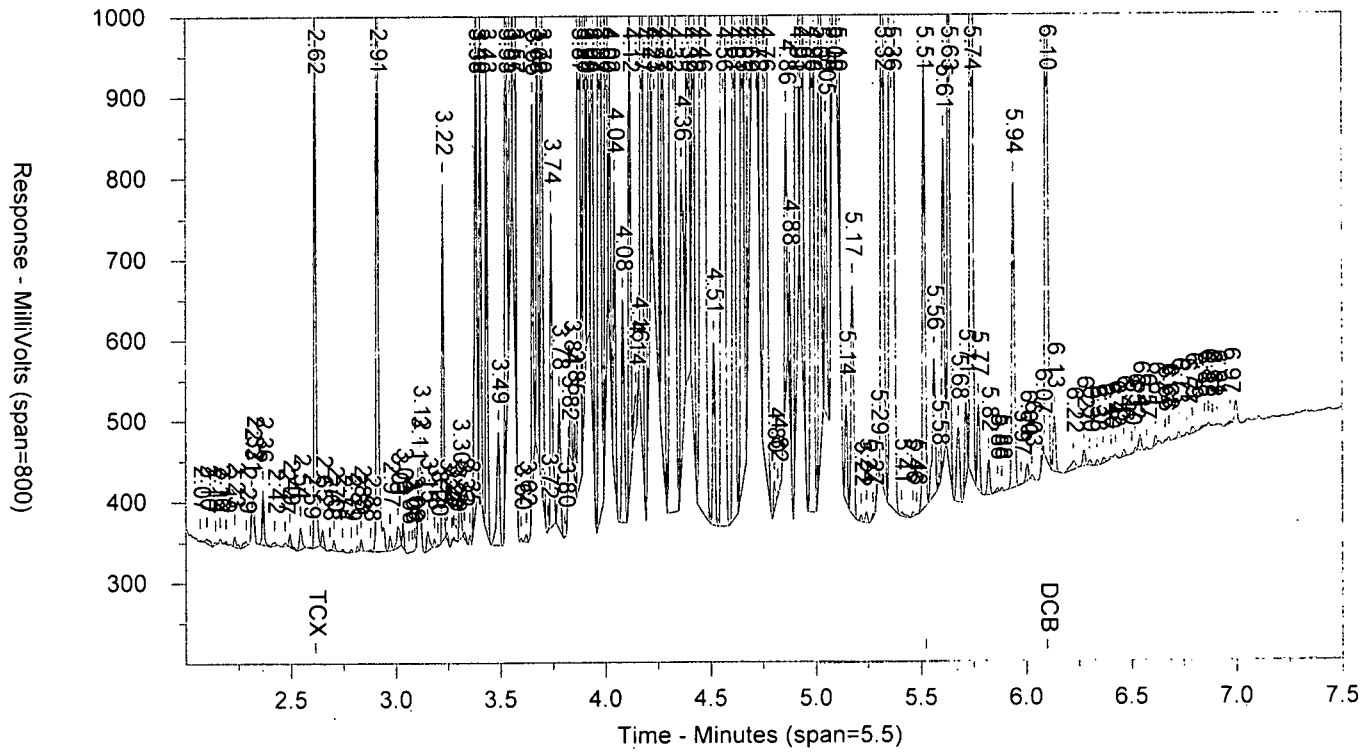

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Data Summary

Sample Name: 9229461 RI ACF DF50 98A12 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.07 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Oct 16, 2017 16:11:25
Instrument 18274A
Result file 25PCBS17284003.117.RAW
Calibration file 25PCBS1728401
Method file 25PCBS

%SSR(TCX) * 49% (61 - 152) Conc: 14.91554
%SSR(DCB) 87% (48 - 164) Conc: 23.46127

Analysis Report (B)

Injected on Oct 16, 2017 16:11:25
Instrument 18274B
Result file 25PCBS17284003B.117.RAW
Calibration file 25PCBS1728401B
Method file 25PCBSB

%SSR(TCX) * 60% (61 - 152) Conc: 18.09923
%SSR(DCB) 71% (48 - 164) Conc: 19.08398

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	45321	14.91554
Decachlorobiphenyl	6.57	6.59	6.63	45546	23.46127

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.62	2.64	99308	18.09923
Decachlorobiphenyl	6.07	6.10	6.13	116357	19.08398

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	18.09923				19.29	
☑	Tetrachloro-m-xylene-D1	A	14.91554					
☑	Tetrachloro-m-xylene-D2	B	18.09923					
☐	Decachlorobiphenyl	A	23.46127				20.58	
☑	Decachlorobiphenyl-D1	A	23.46127					
☑	Decachlorobiphenyl-D2	B	19.08398					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**37.36**	
4.55	4.56	4.59	617910.9	10103.926774			1
4.61	4.62	4.65	2541221	21220.683662			2
4.82	4.83	4.86	1793676	21927.897514			4
Height summation:			**4952807.9**				
Concentration		CF:	**17750.835983**	L:			
Aroclor-1260						**9.45**	
5.36	5.38	5.40	622350.4	8874.342411			4
5.60	5.62	5.64	1808743	10334.495002			5
5.80	5.82	5.84	1174383	10631.115161			6
Height summation:			**3605476.4**				
Concentration		CF:	**9946.650858**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**19.54**	
4.22	4.23	4.26	5583538	21501.163646			1
4.38	4.39	4.42	3680269	23956.386292			3
4.59	4.61	4.63	1799231	16116.117915			5
Height summation:			**11063038**				
Concentration		CF:	**20524.555951**	L:			
Aroclor-1260						**8.98**	
4.89	4.91	4.93	1342079	8813.736061			4
5.09	5.10	5.13	3525371	10223.260535			5
5.34	5.36	5.38	2657824	10437.193449			6
Height summation:			**7525274**				
Concentration		CF:	**9824.730015**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:22

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Data Summary

Sample Name: 9229461 RI ACF DF50 98A12 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.07 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 16:11:25
Instrument	18274A
Result file	25PCBS17284003.117.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 16, 2017 16:11:25
Instrument	18274B
Result file	25PCBS17284003B.117.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			<2532.2742	<491.5591	D1		4	
☑	PCB-1221			<2532.2742	<759.6823	D1		3	
☑	PCB-1232			<2532.2742	<610.725	D1		4	
☑	PCB-1242			<2532.2742	<610.725	D1		4	
☑	PCB-1248			<2532.2742	<491.5591	D1		4	
☑	PCB-1254	B	20524.555951	2532.2742	655.4121	D2	14.49	4	
☑	PCB-1260	A	9946.650858	2532.2742	580.9335	D1	1.23	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:22

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229461** RI ACF DF50 98A12 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.07 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274A
Result file : 25PCBS17284003.117.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *49% (61-152) Conc.: 14.91554
%SSR(DCB) : 87% (48-164) Conc.: 23.46127

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	107.71	
3.16	3.18	3.20	11032.9	207.55687			1
+ 3.38	3.39	3.42	28686.87	583.455113			2
3.38	3.41	3.42	39286.63	799.040996			2
3.49	3.51	3.53	176800.5	2807.040805			3
3.71	3.73	3.75	182800.3	2542.557142			4
3.76	3.78	3.80	55396.77	891.194433			5
3.96	3.97	4.00	307544	7351.588827			6
Height Summation:			772861.1				
Amount Avg CF:			2433.163179	Linear:			
Aroclor-1221					3	25.54	
3.06	3.08	3.10	2843.49	125.328599			1
3.11	3.13	3.15	2212.169	110.752183			2
3.16	3.18	3.20	11032.9	177.741817			3
Height Summation:			16088.559				
Amount Avg CF:			137.940866	Linear:			
Aroclor-1232					6	114.01	
3.16	3.18	3.20	11032.9	202.982659			1
+ 3.38	3.39	3.42	28686.87	1416.057259			2
3.38	3.41	3.42	39286.63	1939.288518			2
3.49	3.51	3.53	176800.5	6462.746677			3
3.70	3.73	3.74	182800.3	5496.296994			4
3.76	3.78	3.80	55396.77	2256.513657			5
E 3.95	3.97	3.99	307544	18401.719013			6
Height Summation:			772861.1				
Amount Avg CF:			5793.25792	Linear:			
Aroclor-1242					6	110.24	
3.16	3.18	3.20	11032.9	150.286158			1
+ 3.37	3.39	3.41	28686.87	461.439219			2
3.37	3.41	3.41	39286.63	631.940392			2
3.49	3.51	3.53	176800.5	2120.316064			3
3.70	3.73	3.74	182800.3	1764.880356			4
3.76	3.78	3.80	55396.77	697.063429			5
3.95	3.97	3.99	307544	5714.657537			6
Height Summation:			772861.1				
Amount Avg CF:			1846.523989	Linear:			
Aroclor-1248					6	81.65	
3.71	3.73	3.75	182800.3	4658.952926			1
3.76	3.78	3.80	55396.77	1631.402665			2
3.83	3.85	3.87	558580.3	10880.386079			3
3.98	4.00	4.02	321706	20196.764137			4
4.04	4.06	4.08	263455.5	5239.428137			5
4.22	4.24	4.26	294809.6	6120.613129			6
Height Summation:			1676748.47				
Amount Avg CF:			8121.257845	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274B
Result file : 25PCBS17284003B.117.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *60% (61-152) Conc.: 18.09923
%SSR(DCB) : 71% (48-164) Conc.: 19.08398

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	125.53	
+ 2.88	2.90	2.92	9977.603	103.579609			1
2.88	2.91	2.92	48931.59	507.969197			1
3.21	3.23	3.25	348208.7	2985.30176			2
3.40	3.40	3.44	502199.7	4386.383464			3
+ 3.40	3.43	3.44	373114.4	3258.908427			3
3.47	3.49	3.51	120873.8	960.126029			4
+ 3.53	3.55	3.57	1985609	18958.456998			5
3.53	3.57	3.57	2173922	20756.45646			5
+ 3.64	3.65	3.68	671126.9	6345.410893			6
3.64	3.68	3.68	688140.6	6506.273045			6
Height Summation:			3882276.39				
Amount Avg CF:			6017.084992	Linear:			
Aroclor-1221					3	41.49	
2.77	2.79	2.81	8657.316	186.935257			1
2.83	2.83	2.87	7796.561	278.568975			2
+ 2.88	2.90	2.92	9977.603	88.247224			3
2.88	2.91	2.92	48931.59	432.776988			3
Height Summation:			65385.467				
Amount Avg CF:			299.427073	Linear:			
Aroclor-1232					6	140.57	
+ 2.88	2.90	2.92	9977.603	97.204744			1
2.88	2.91	2.92	48931.59	476.705946			1
3.21	3.23	3.25	348208.7	6745.806982			2
3.40	3.40	3.44	502199.7	9858.332004			3
+ 3.40	3.43	3.44	373114.4	7324.348522			3
3.47	3.49	3.51	120873.8	2303.122689			4
E+ 3.53	3.55	3.57	1985609	55548.989264			5
E 3.53	3.57	3.57	2173922	60817.195047			5
E 3.63	3.65	3.67	671126.9	16393.532781			6
Height Summation:			3865262.69				
Amount Avg CF:			16099.115908	Linear:			
Aroclor-1242					6	138.44	
+ 2.88	2.90	2.92	9977.603	79.10522			1
2.88	2.91	2.92	48931.59	387.943298			1
3.21	3.23	3.25	348208.7	2293.180193			2
3.40	3.40	3.44	502199.7	3000.937747			3
+ 3.40	3.43	3.44	373114.4	2229.577371			3
3.47	3.49	3.51	120873.8	730.575563			4
E+ 3.53	3.55	3.57	1985609	17004.164839			5
E 3.53	3.57	3.57	2173922	18616.821355			5
3.63	3.65	3.67	671126.9	4763.781941			6
Height Summation:			3865262.69				
Amount Avg CF:			4965.540016	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229461** RI ACF DF50 98A12 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.07 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274A
Result file : 25PCBS17284003.117.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	40.57	
4.55	4.56	4.59	617910.9	10103.926774			1
4.61	4.62	4.65	2541221	21220.683662			2
4.73	4.75	4.77	1369958	35604.978246			3
4.82	4.83	4.86	1793676	21927.897514			4
5.02	5.03	5.06	1090366	18298.246588			5
5.13	5.15	5.17	2747027	32868.43541			6
+ 5.13	5.17	5.17	77302.36	924.929979			6
Height Summation:			**10160158.9**				
Amount Avg CF:			**23337.361366**	Linear:			
Aroclor-1260					6	34.52	
4.73	4.75	4.77	1369958	14560.265763			1
4.93	4.95	4.97	1972468	18134.027813			2
5.13	5.15	5.17	2747027	20828.339676			3
+ 5.13	5.17	5.17	77302.36	586.117214			3
5.36	5.38	5.40	622350.4	8874.342411			4
5.60	5.62	5.64	1808743	10334.495002			5
5.80	5.82	5.84	1174383	10631.115161			6
Height Summation:			**9694929.4**				
Amount Avg CF:			**13893.764304**	Linear:			
Aroclor-1262					6	37.83	
5.20	5.22	5.24	546613.6	4977.533435			1
5.36	5.38	5.40	622350.4	6501.959792			2
5.60	5.62	5.64	1808743	8350.015375			3
5.80	5.82	5.84	1174383	8228.47729			4
5.86	5.88	5.90	168847.5	2501.414994			5
6.23	6.24	6.27	404973.4	4959.23983			6
Height Summation:			**4725910.9**				
Amount Avg CF:			**5919.773453**	Linear:			
Aroclor-1268					6	96.34	
5.80	5.82	5.84	1174383	4776.634953			1
5.86	5.88	5.90	168847.5	762.152872			2
5.99	6.01	6.03	9663.411	46.891029			3
+ 6.06	6.06	6.10	33981.18	592.175096			4
6.06	6.09	6.10	273828.6	4771.890716			4
6.23	6.24	6.27	404973.4	4528.256526			5
6.43	6.45	6.47	92740.64	135.440856			6
Height Summation:			**2124436.551**				
Amount Avg CF:			**2503.544492**	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274B
Result file : 25PCBS17284003B.117.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	77.07	
3.40	3.40	3.44	502199.7	8669.233857			1
+ 3.40	3.43	3.44	373114.4	6440.8959			1
3.47	3.49	3.51	120873.8	1734.593171			2
3.51	3.53	3.55	1195972	10469.045204			3
3.64	3.65	3.68	671126.9	4797.245167			4
+ 3.73	3.73	3.77	8229.725	84.848566			5
3.73	3.74	3.77	534037	5505.928024			5
3.86	3.87	3.90	3540856	20759.282789			6
Height Summation:			**6565065.4**				
Amount Avg CF:			**8655.888036**	Linear:			
Aroclor-1254					6	35.54	
4.22	4.23	4.26	5583538	21501.163646			1
4.31	4.32	4.35	3811902	30279.826936			2
4.38	4.39	4.42	3680269	23956.386292			3
4.44	4.46	4.48	4365616	44502.66782			4
4.59	4.61	4.63	1799231	16116.117915			5
4.67	4.69	4.71	5637068	33265.917079			6
Height Summation:			**24877624**				
Amount Avg CF:			**28270.346615**	Linear:			
Aroclor-1260					6	30.49	
4.31	4.32	4.35	3811902	17311.440653			1
4.44	4.46	4.48	4365616	18482.664027			2
4.55	4.56	4.59	2818187	14370.672756			3
4.89	4.91	4.93	1342079	8813.736061			4
5.09	5.10	5.13	3525371	10223.260535			5
5.34	5.36	5.38	2657824	10437.193449			6
Height Summation:			**18520979**				
Amount Avg CF:			**13273.161247**	Linear:			
Aroclor-1262					6	36.65	
4.70	4.72	4.74	907413.9	3845.106871			1
4.89	4.91	4.93	1342079	6013.44067			2
5.08	5.10	5.12	3525371	7573.192105			3
5.30	5.32	5.34	612371.5	3315.342393			4
5.34	5.36	5.38	2657824	8404.560934			5
5.72	5.74	5.76	978799	4592.490072			6
Height Summation:			**10023858.4**				
Amount Avg CF:			**5624.022174**	Linear:			
Aroclor-1268					6	123.06	
5.30	5.32	5.34	612371.5	1113.168591			1
5.35	5.36	5.39	2657824	4759.11708			2
5.50	5.51	5.54	127364.3	250.223561			3
5.57	5.58	5.61	10838.86	78.023211			4
5.72	5.74	5.76	978799	4378.059707			5
5.92	5.94	5.96	241097	118.66363			6
Height Summation:			**4628294.66**				
Amount Avg CF:			**1782.875963**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229461** RI ACF DF50 98A12 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.07 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274A
Result file : 25PCBS17284003.117.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 16:11:25
Instrument : CP25--18274B
Result file : 25PCBS17284003B.117.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			2532.2742	491.5591		** 84.82	4	40	
Aroclor-1221			2532.2742	759.6823		** 73.84	3	5	
Aroclor-1232			2532.2742	610.725	E	** 94.15	4	10	
Aroclor-1242			2532.2742	610.725		** 91.57	4	30	
Aroclor-1248			2532.2742	491.5591		6.37	4	40	
Aroclor-1254			2532.2742	655.4121		19.12	4	40	
Aroclor-1260			2532.2742	580.9335		4.57	4	40	
Aroclor-1262			2532.2742	491.5591		5.12	4	40	
Aroclor-1268			2532.2742	491.5591		33.63	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:11:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.117.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.005		638	307
2.049		11233	11968
2.084		3665	4995
2.114		1008	603
2.154		1602	1556
2.205		28395	19243
2.229		1018	761
2.315		882	420
2.332		1638	949
2.365		1620	894
2.393		1532	2241
2.424		611	529
2.454		703	526
2.487		2412	2829
2.531		1244	1844
2.564		1000	806
2.588		661	484
2.635		2654	1220
2.652		26583	16691
2.683		619	459
2.75		3021	5889
2.806		1638	1242
2.894		1240	1287
2.93	TCX	45321	32646
2.991		390	358
3.017		436	380
3.079		2843	3636
3.134		2212	2676
3.18		11033	7941
3.21		423	169
3.249		30323	24865
3.273		7961	5279
3.363		435	155
3.395		28687	16261
3.411		39287	23530
3.448		5747	3506
3.477		3197	2856
3.51		176801	134064
3.546		1541	1002
3.579		9101	7791
3.618		15959	8997
3.632		4562	2171
3.688		391297	541753
3.731		182800	150875
3.78		55397	40198
3.821		104380	77728
3.849		558580	399650
3.876		858332	586444
3.899		933209	648641
3.972		307544	222288
3.998		321706	235629
4.027		470311	366308
4.061		263456	238724
4.106		64520	65012

RT A	Compound A	Height A	Area A
4.135		41794	42004
4.186		97864	76846
4.22		857117	572068
4.237		294810	154138
4.263		1149664	992434
4.332		452384	387927
4.374		1591641	1728746
4.408		899140	759513
4.449		145866	108424
4.471		128465	93477
4.512		459036	429136
4.562		617911	591010
4.592		101089	61619
4.623		2541221	2202657
4.673		444065	481277
4.706		152691	99790
4.748		1369959	1331289
4.794		274323	234974
4.834		1793676	1704891
4.867		20582	11624
4.895		345220	355281
4.946		1972468	2551920
4.997		170678	150459
5.034		1090366	1204303
5.079		122976	90993
5.103		21601	16993
5.117		127247	94965
5.15		2747027	2459526
5.173		77302	38750
5.192		57818	32189
5.218		546614	489031
5.261		378635	403132
5.356		502245	403396
5.379		622350	499413
5.436		359287	337303
5.474		273243	272686
5.516		30032	32972
5.555		474653	448004
5.591		46494	36966
5.616		1808743	1669587
5.651		16620	10572
5.714		5960	9866
5.777		3686	3721
5.819		1174383	1117396
5.85		100409	60768
5.876		168848	182919
5.917		1950	1874
5.96		503	465
5.985		47696	41564
6.011		9663	6925
6.042		3397	2005
6.061		33981	25010
6.09		273829	259292
6.156		23147	23875
6.193		1575	1177
6.218		19458	14151
6.245		404973	408161
6.289		29752	28321
6.332		2039	2032
6.374		372	494
6.447		92741	100003
6.506		5816	6809
6.56		6084	4945
6.595	DCB	45546	47158
6.63		18014	16789
6.682		763	216

RT A	Compound A	Height A	Area A
6.704		629	349
6.764		4586	9735
6.82		824	360
6.839		973	826
6.878		3139	4891
6.923		1618	1334

LANCASTER LABORATORIES

Sample Number: 9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:11:25 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.117.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.002		2929	3782
2.049		18503	19037
2.071		19551	18318
2.102		19721	33524
2.167		11526	11372
2.191		6860	4194
2.211		5750	2998
2.23		11960	6713
2.25		6535	9802
2.292		8017	9561
2.309		9082	13308
2.346		4698	1539
2.365		61000	50505
2.413		7014	4584
2.446		6983	4586
2.462		9437	5892
2.488		14066	14501
2.538		16727	20320
2.566		6154	4542
2.595		4665	2701
2.615	TCX	99308	76423
2.677		8361	3801
2.704		9468	10312
2.73		4725	3020
2.762		3144	2329
2.786		8657	4844
2.81		7264	3997
2.834		7797	11480
2.869		4585	2300
2.899		9978	4312
2.911		48932	25072
2.952		5222	3416
2.973		2955	1349
2.991		2700	1923
3.009		17549	10756
3.072		6089	5964
3.106		39148	18460
3.117		62030	29100
3.156		12583	6677
3.178		3776	1567
3.191		884	316
3.202		4738	2146
3.225		348209	218966
3.262		12328	7563
3.284		1782	1137
3.31		43712	25500
3.324		9266	3744
3.354		4010	2263
3.385		655954	490641
3.404		502200	296903
3.434		373114	218082
3.492		120874	98198
3.527		1195972	722605
3.55		1985609	1025107

RT B	Compound B	Height B	Area B
3.568		2173922	1165009
3.595		2445	1222
3.653		671127	399780
3.676		688141	376309
3.696		1031042	666527
3.726		8230	3382
3.742		534037	375104
3.781		162276	134089
3.829		113850	127322
3.852		262588	148150
3.874		3540857	2241039
3.899		1993789	1149433
3.919		886602	462140
3.938		940428	582846
3.973		3689932	2507276
4.004		2024720	1281795
4.022		561263	275959
4.043		357039	215617
4.083		377157	295665
4.117		1006173	693182
4.137		42396	27568
4.173		1677620	1183012
4.207		470048	419466
4.234		5583538	4344070
4.271		590979	538441
4.324		3811902	3044662
4.361		578835	469477
4.393		3680269	2494161
4.418		969308	657394
4.46		4365616	3548268
4.515		31689	25449
4.561		2818187	2695530
4.612		1799231	1439531
4.652		953025	839799
4.689		5637068	4791054
4.721		907414	599010
4.759		787821	598351
4.819		38913	50484
4.859		146341	95032
4.876		190929	120545
4.909		1342079	984384
4.933		1085641	766632
4.983		902043	779845
5.018		435633	349749
5.048		292733	235028
5.08		751858	498058
5.102		3525371	2780017
5.144		74342	51216
5.175		116763	98480
5.217		3890	2787
5.24		7158	5210
5.293		27670	16741
5.317		612372	500260
5.36		2657825	2763010
5.412		984	410
5.46		5444	3926
5.515		127364	105060
5.561		107404	100378
5.585		10839	5749
5.606		213386	166099
5.633		414776	329619
5.674		15641	15988
5.713		64055	41744
5.739		978799	823518
5.772		65129	48968
5.82		7914	6093

RT B	Compound B	Height B	Area B
5.86		1759	1592
5.882		1852	986
5.938		241097	208094
5.976		1056	528
6.002		13604	12121
6.054		982	607
6.074		15767	10026
6.097	DCB	116357	94304
6.133		54928	48487
6.172		1616	825
6.223		11956	23724
6.273		3920	2912
6.3		29477	25827
6.362		1562	1041
6.402		3875	5592
6.427		2735	1642
6.463		4764	3796
6.494		2524	1826
6.516		3230	3465
6.538		1687	651
6.571		2111	1564
6.6		3283	2223
6.63		3728	3573
6.671		620	1742
6.698		1996	2107
6.748		1645	1158
6.781		2258	3977
6.826		3290	6315
6.926		4086	12912
6.995		2523	3070

9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082

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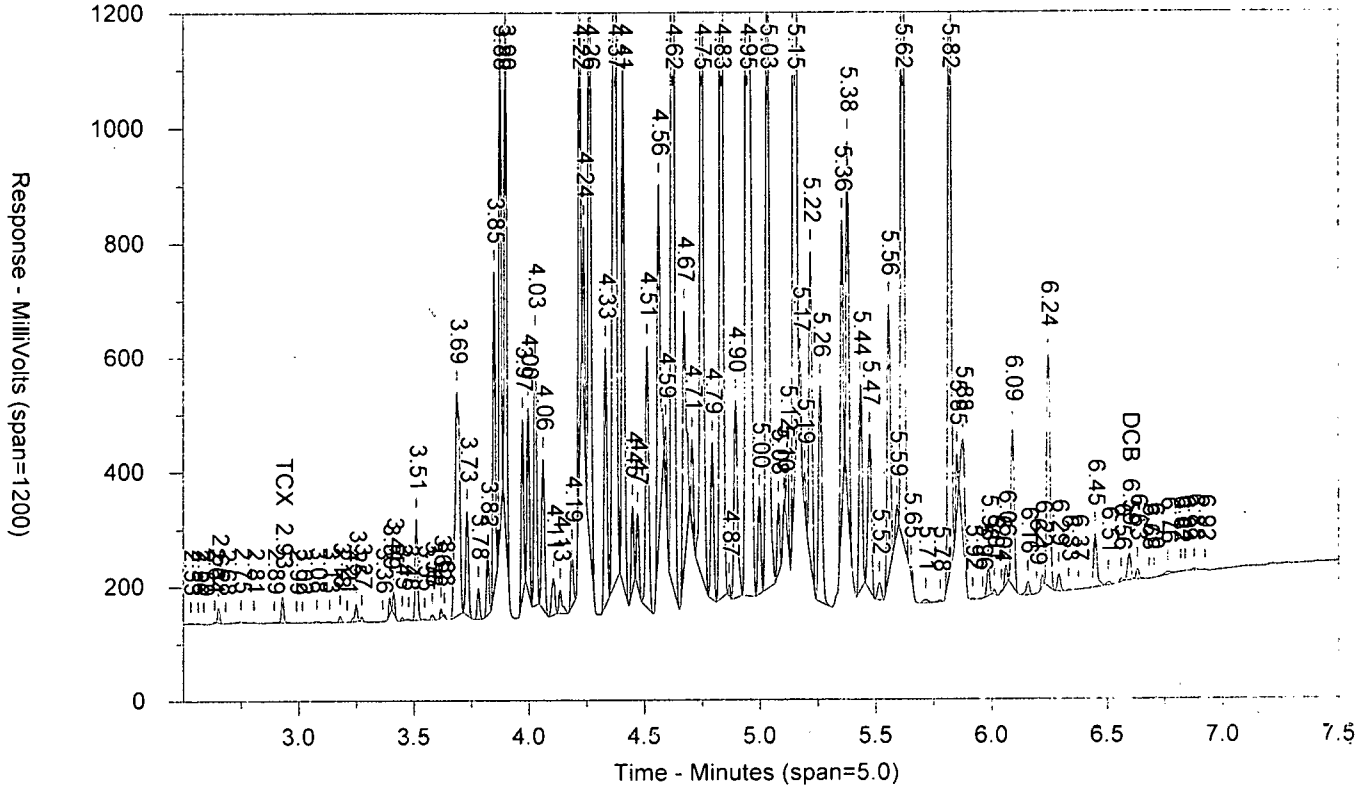

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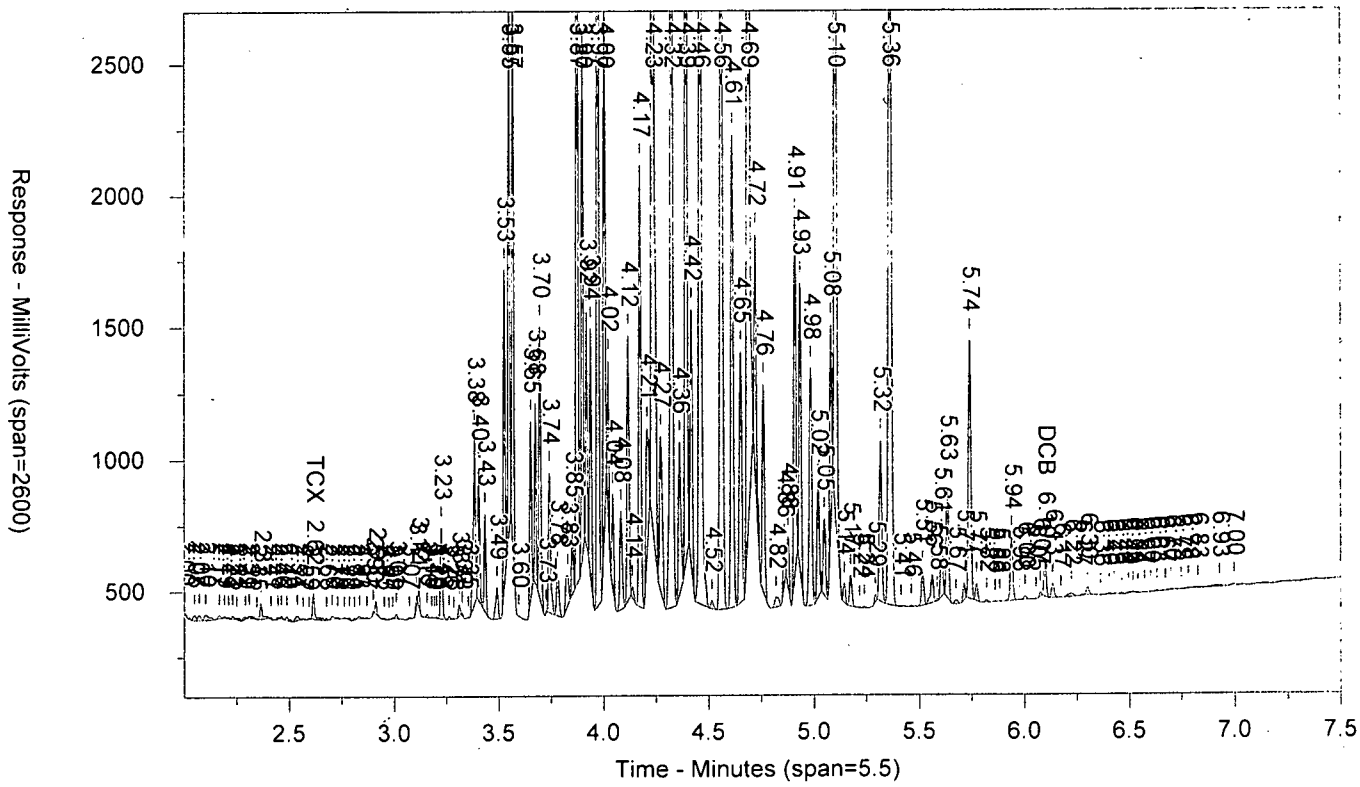

LANCASTER LABORATORIES

Sample Number: 9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:11:25 PM Sample Weight: 10.07
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	45321	14.916	TCX	2.615	99308	18.099	TCX
6.595	45546	23.461	DCB	6.097	116357	19.084	DCB

Files:
Area File: 25pcbs17284003.117.RAW
Area File: 25pcbs17284003B.117.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: 10/16/2017 4:19:55 PM
File Reported On: 10/16/2017 at 4:20:05 PM

9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082

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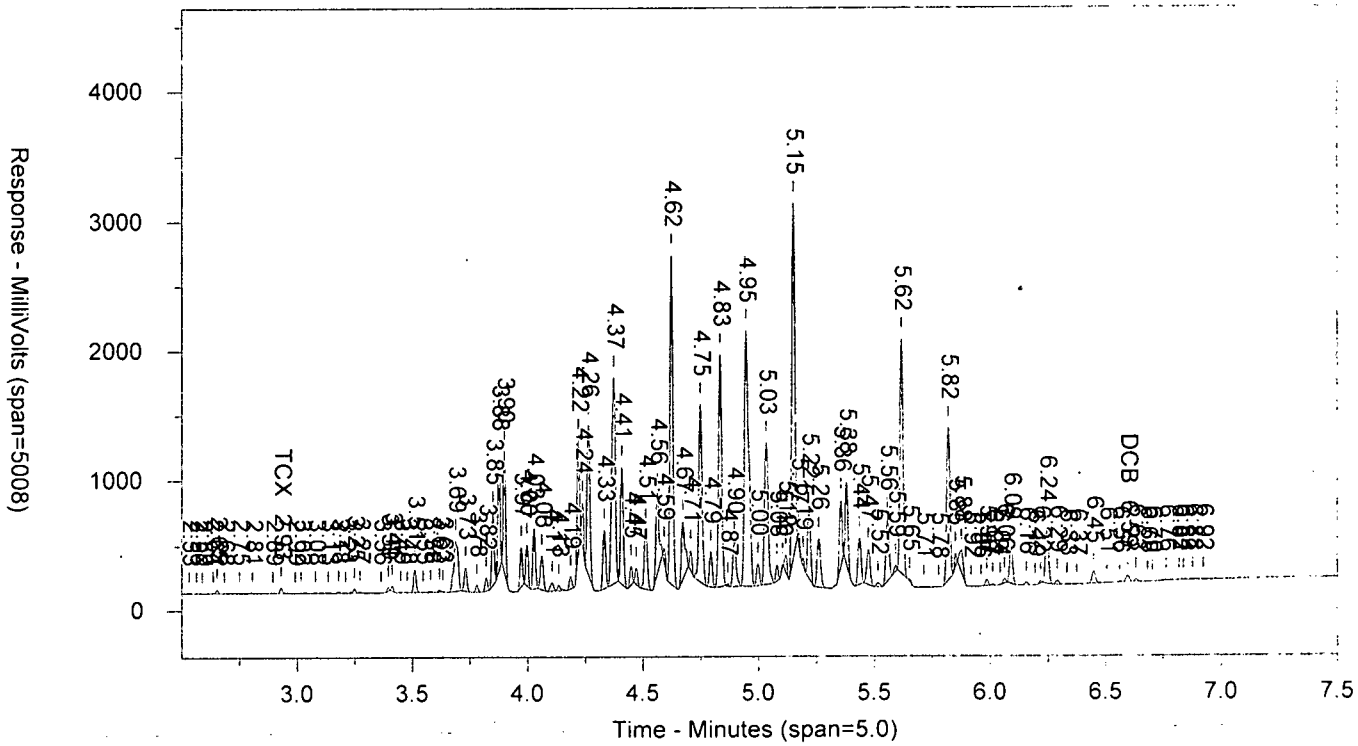

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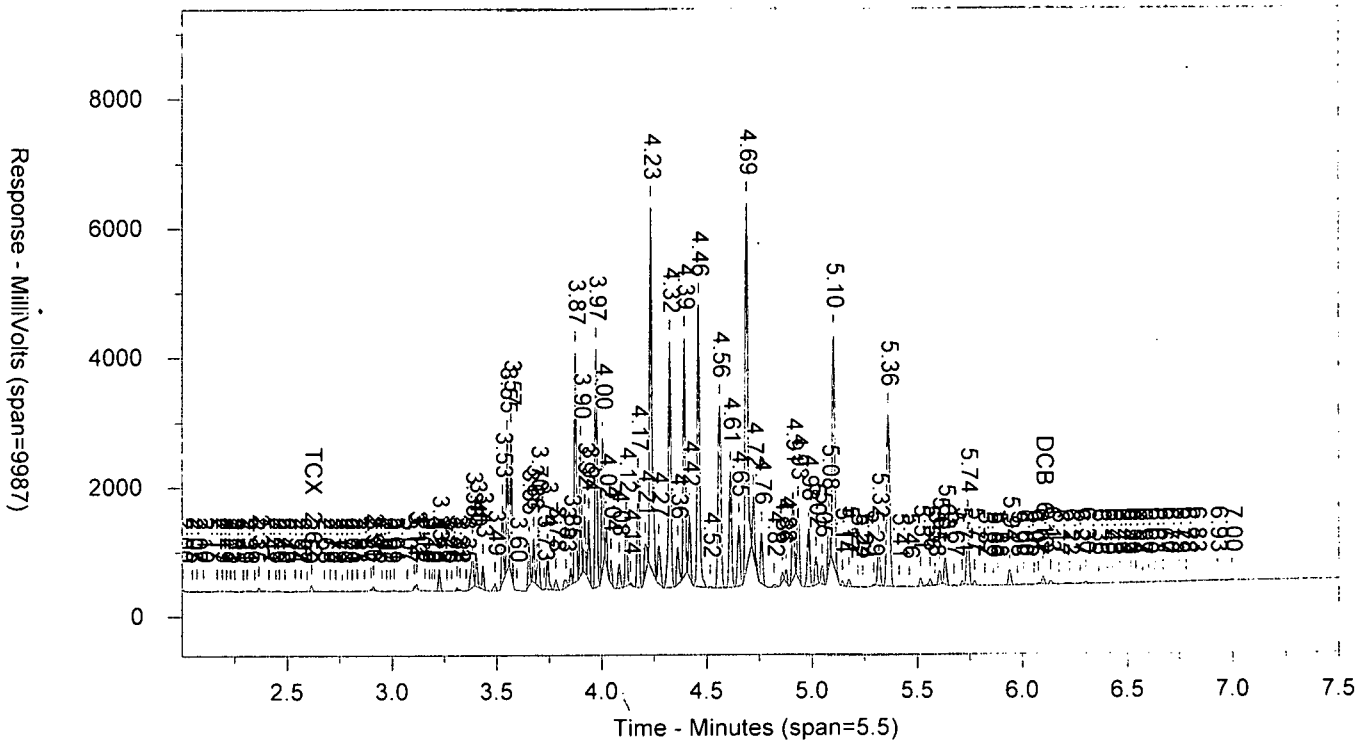

9229461 RI ACF DF50 AC98A12 T 172790013A 10225 SW-846 8082

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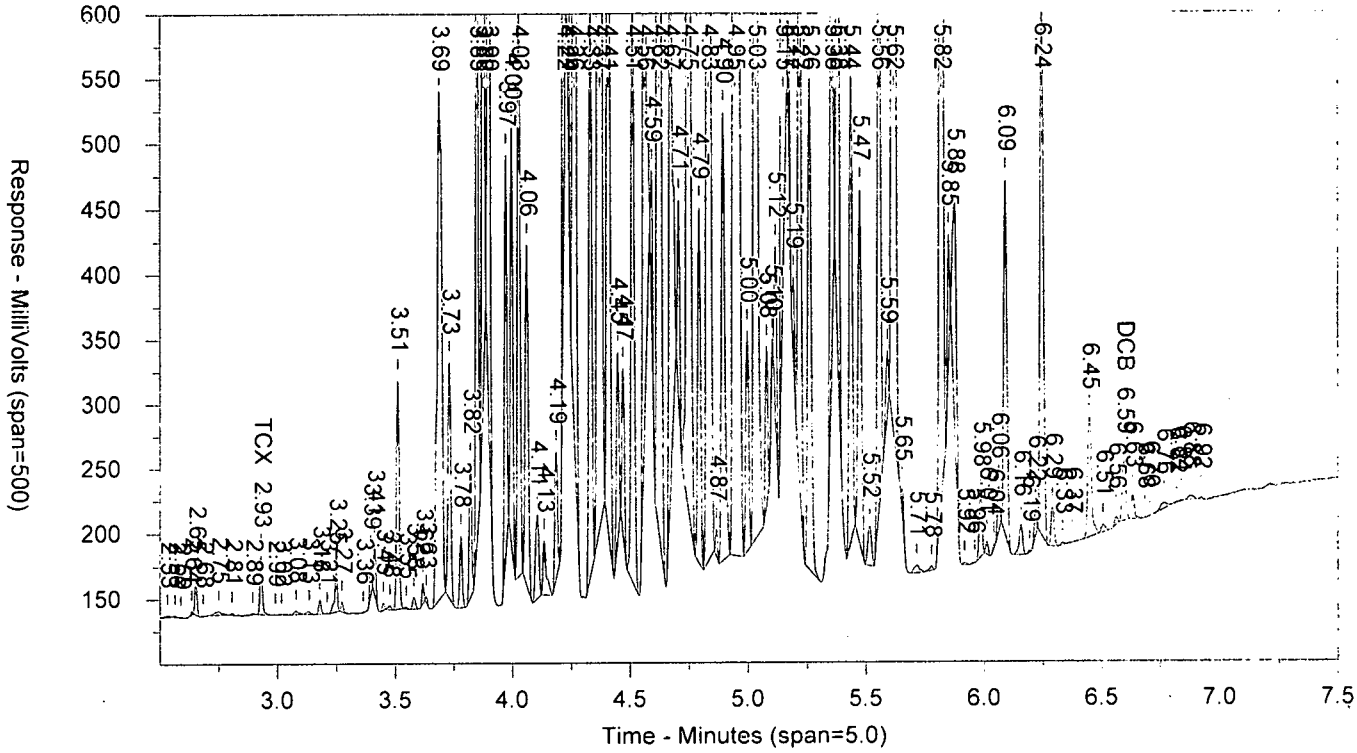

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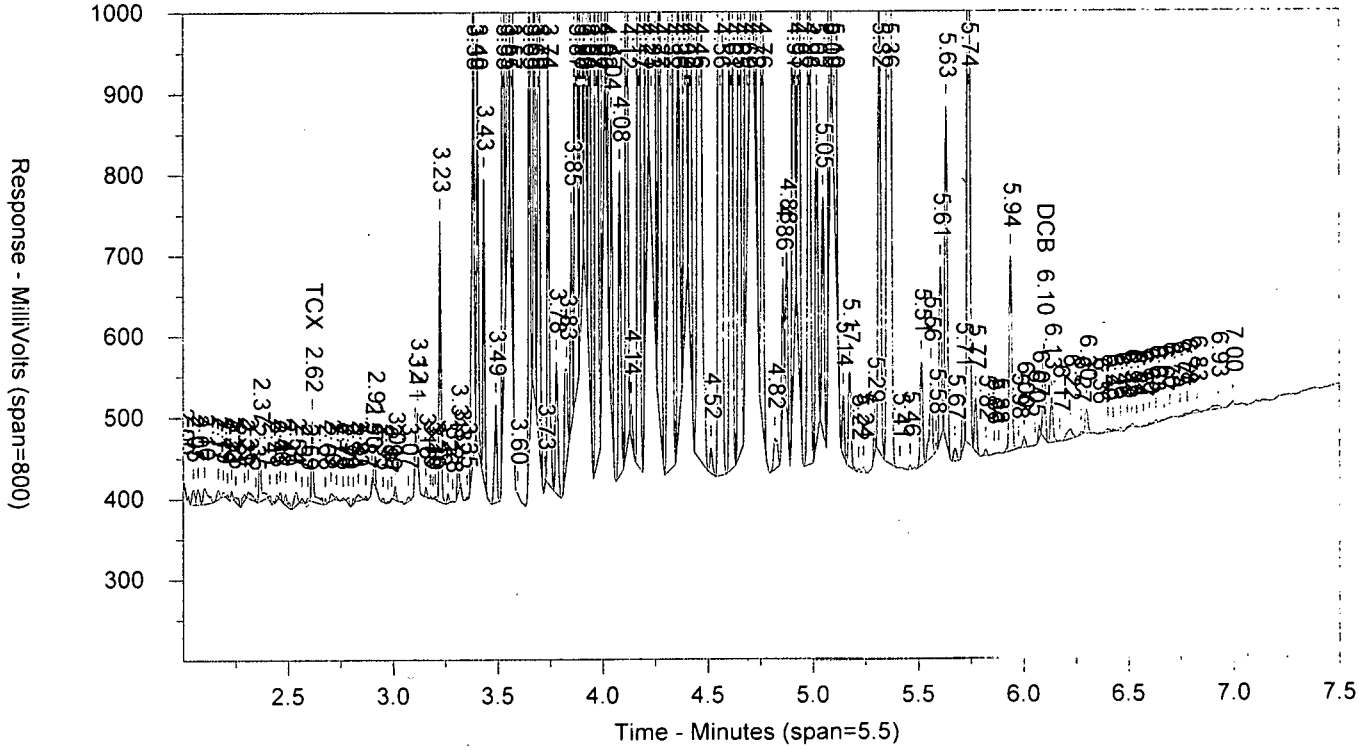

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Data Summary

Sample Name: 9229462 RI ACF DF20 98A13 Sample ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.14 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 16, 2017 16:22:41
Instrument	18274A
Result file	25PCBS17284003.118.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) * 57% (61 - 152) Conc: 17.2212
%SSR(DCB) 79% (48 - 164) Conc: 21.06842

Analysis Report (B)

Injected on	Oct 16, 2017 16:22:41
Instrument	18274B
Result file	25PCBS17284003B.118.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) * 57% (61 - 152) Conc: 17.2599
%SSR(DCB) 72% (48 - 164) Conc: 19.39444

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	131728	17.2212	Tetrachloro-m-xylene	2.58	2.61	2.64	238403	17.2599
Decachlorobiphenyl	6.57	6.60	6.63	102962	21.06842	Decachlorobiphenyl	6.07	6.10	6.13	297680	19.39444

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	17.2599				0.22	
☑	Tetrachloro-m-xylene-D1	A	17.2212					
☑	Tetrachloro-m-xylene-D2	B	17.2599					
☐	Decachlorobiphenyl	A	21.06842				8.27	
☑	Decachlorobiphenyl-D1	A	21.06842					
☑	Decachlorobiphenyl-D2	B	19.39444					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.28**	
4.73	4.75	4.77	2416765	10203.472044			1
4.93	4.95	4.97	3474110	12687.59723			2
5.13	5.15	5.17	5120983	15423.983951			3
5.36	5.38	5.40	1768968	10020.114686			4
5.60	5.62	5.64	5729207	13003.444756			5
5.80	5.82	5.84	3444159	12385.221161			6

Height summation: **21954192**
Concentration CF: **12287.305638** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.02**	
4.31	4.32	4.35	5880878	10609.261673			1
4.44	4.46	4.48	7769432	13066.516268			2
4.55	4.56	4.59	5168214	10468.857486			3
4.89	4.91	4.93	3984803	10395.378878			4
5.09	5.10	5.13	11312830	13031.888902			5
5.34	5.36	5.38	7779040	12134.86714			6

Height summation: **41895197**
Concentration CF: **11617.795058** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1005.9171	<195.2663	D1		4	
☑	PCB-1221			<1005.9171	<301.7751	D1		3	
☑	PCB-1232			<1005.9171	<242.6035	D1		4	
☑	PCB-1242			<1005.9171	<242.6035	D1		4	
☑	PCB-1248			<1005.9171	<195.2663	D1		4	
☑	PCB-1254			<1005.9171	<260.355	D1		4	
☑	PCB-1260	A	12287.305638	1005.9171	230.7692	D1	5.60	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 20 2017

Reviewed and digitally signed by Kirby B Turner on 10/19/2017 12:55:24

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229462** RI ACF DF20 98A13 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.14 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274A
Result file : 25PCBS17284003.118.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET
%SSR(TCX) : *57% (61-152) Conc.: 17.2212
%SSR(DCB) : 79% (48-164) Conc.: 21.06842

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	106.38	
3.16	3.18	3.20	2872.619	21.467277			1
+ 3.38	3.38	3.42	726.6519	5.870867			2
+ 3.38	3.40	3.42	4050.371	32.724317			2
3.38	3.41	3.42	7573.58	61.189515			2
3.49	3.51	3.53	41770.25	263.441274			3
3.71	3.73	3.75	62247.95	343.930252			4
3.76	3.78	3.80	12043.6	76.965457			5
3.96	3.97	4.00	75789.81	719.674767			6
Height Summation:			202297.809				
Amount Avg CF:			247.77809	Linear:			
Aroclor-1221					3	86.48	
3.06	3.09	3.10	493.6793	8.643605			1
3.11	3.13	3.15	2620.625	52.118317			2
3.16	3.18	3.20	2872.619	18.383554			3
Height Summation:			5986.9233				
Amount Avg CF:			26.381825	Linear:			
Aroclor-1232					6	112.33	
3.16	3.18	3.20	2872.619	20.994174			1
+ 3.38	3.38	3.42	726.6519	14.248711			2
+ 3.38	3.40	3.42	4050.371	79.422575			2
3.38	3.41	3.42	7573.58	148.508179			2
3.49	3.51	3.53	41770.25	606.529915			3
3.70	3.73	3.74	62247.95	743.480955			4
3.76	3.78	3.80	12043.6	194.877344			5
3.95	3.97	3.99	75789.81	1801.413701			6
Height Summation:			202297.809				
Amount Avg CF:			585.967378	Linear:			
Aroclor-1242					6	108.67	
3.16	3.18	3.20	2872.619	15.543859			1
+ 3.37	3.38	3.41	726.6519	4.643113			2
+ 3.37	3.40	3.41	4050.371	25.880797			2
3.37	3.41	3.41	7573.58	48.393169			2
3.49	3.51	3.53	41770.25	198.992036			3
3.70	3.73	3.74	62247.95	238.734358			4
3.76	3.78	3.80	12043.6	60.199888			5
3.95	3.97	3.99	75789.81	559.429387			6
Height Summation:			202297.809				
Amount Avg CF:			186.882116	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274B
Result file : 25PCBS17284003B.118.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET
%SSR(TCX) : *57% (61-152) Conc.: 17.2599
%SSR(DCB) : 72% (48-164) Conc.: 19.39444

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	108.96	
2.88	2.91	2.92	104453.4	430.746877			1
3.21	3.22	3.25	88887.95	302.721326			2
3.40	3.40	3.44	153486.8	532.540554			3
+ 3.40	3.43	3.44	124181.2	430.861318			3
3.47	3.49	3.51	31501.45	99.398108			4
+ 3.53	3.55	3.57	441675.3	1675.18924			5
3.53	3.57	3.57	582417.2	2208.996126			5
3.64	3.65	3.68	165379.3	621.137514			6
+ 3.64	3.68	3.68	162900.6	611.827924			6
Height Summation:			1126126.1				
Amount Avg CF:			699.256751	Linear:			
Aroclor-1221					3	107.24	
2.77	2.78	2.81	4845.854	41.565191			1
2.83	2.83	2.87	6019.137	85.430982			2
2.88	2.91	2.92	104453.4	366.985513			3
Height Summation:			115318.391				
Amount Avg CF:			164.660562	Linear:			
Aroclor-1232					6	133.60	
2.88	2.91	2.92	104453.4	404.236318			1
3.21	3.22	3.25	88887.95	684.051327			2
3.40	3.40	3.44	153486.8	1196.877023			3
+ 3.40	3.43	3.44	124181.2	968.354445			3
3.47	3.49	3.51	31501.45	238.433322			4
E+ 3.53	3.55	3.57	441675.3	4908.367232			5
E 3.53	3.57	3.57	582417.2	6472.441406			5
3.63	3.65	3.67	165379.3	1604.724796			6
Height Summation:			1126126.1				
Amount Avg CF:			1766.794032	Linear:			
Aroclor-1242					6	122.05	
2.88	2.91	2.92	104453.4	328.967514			1
3.21	3.22	3.25	88887.95	232.53748			2
3.40	3.40	3.44	153486.8	364.336831			3
+ 3.40	3.43	3.44	124181.2	294.773132			3
3.47	3.49	3.51	31501.45	76.633643			4
+ 3.53	3.55	3.57	441675.3	1502.505925			5
3.53	3.57	3.57	582417.2	1981.286465			5
3.63	3.65	3.67	165379.3	466.315534			6
Height Summation:			1126126.1				
Amount Avg CF:			574.846245	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229462** RI ACF DF20 98A13 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.14 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274A
Result file : 25PCBS17284003.118.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	111.05	
3.71	3.73	3.75	62247.95	630.213901			1
3.76	3.78	3.80	12043.6	140.891423			2
3.83	3.85	3.87	155506.9	1203.261059			3
3.98	4.00	4.02	76251.23	1901.60799			4
4.04	4.06	4.08	80414.37	635.275036			5
4.22	4.22	4.26	595521	4911.361434			6
Height Summation:			981985.05				
Amount Avg CF:			1570.43514	Linear:			
Aroclor-1254					6	92.31	
+ 4.55	4.56	4.59	161877.6	1051.483828			1
4.55	4.58	4.59	223856	1454.067541			1
4.61	4.62	4.65	1609721	5339.726984			2
E 4.73	4.75	4.77	2416765	24951.083042			3
4.82	4.83	4.86	669400.2	3250.800667			4
5.02	5.04	5.06	1395462	9302.650324			5
E 5.13	5.15	5.17	5120983	24340.020767			6
Height Summation:			11436187.2				
Amount Avg CF:			11439.724888	Linear:			
Aroclor-1260					6	16.28	
4.73	4.75	4.77	2416765	10203.472044			1
4.93	4.95	4.97	3474110	12687.59723			2
5.13	5.15	5.17	5120983	15423.983951			3
5.36	5.38	5.40	1768968	10020.114686			4
5.60	5.62	5.64	5729207	13003.444756			5
5.80	5.82	5.84	3444159	12385.221161			6
Height Summation:			21954192				
Amount Avg CF:			12287.305638	Linear:			
Aroclor-1262					6	36.59	
E 5.20	5.22	5.24	1595189	5770.286889			1
E 5.36	5.38	5.40	1768968	7341.432163			2
E 5.60	5.62	5.64	5729207	10506.460511			3
E 5.80	5.82	5.84	3444159	9586.15437			4
5.86	5.88	5.90	568665.7	3346.568006			5
E 6.23	6.25	6.27	1307096	6358.396489			6
Height Summation:			14413284.7				
Amount Avg CF:			7151.549738	Linear:			
Aroclor-1268					6	97.35	
E 5.80	5.82	5.84	3444159	5564.767139			1
5.86	5.88	5.90	568665.7	1019.661441			2
5.99	6.01	6.03	31362.07	60.452677			3
+ 6.06	6.06	6.10	78980.27	546.741203			4
6.06	6.09	6.10	551498.5	3817.750349			4
E 6.23	6.25	6.27	1307096	5805.819316			5
6.43	6.45	6.47	241695	140.216388			6
Height Summation:			6144476.27				
Amount Avg CF:			2734.777885	Linear:			

Analysis Report (B)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274B
Result file : 25PCBS17284003B.118.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	102.75	
3.40	3.40	3.44	153486.8	1052.511399			1
+ 3.40	3.43	3.44	124181.2	851.552893			1
3.47	3.49	3.51	31501.45	179.575675			2
3.51	3.53	3.55	324156.3	1127.176787			3
3.64	3.65	3.68	165379.3	469.591172			4
+ 3.73	3.73	3.77	11735.75	48.06418			5
3.73	3.74	3.77	135655.4	555.581499			5
+ 3.73	3.75	3.77	10340.01	42.347877			5
3.86	3.87	3.90	1446414	3368.590375			6
Height Summation:			2256593.25				
Amount Avg CF:			1125.504485	Linear:			
Aroclor-1254					6	85.76	
4.22	4.23	4.26	3232114	4944.138928			1
4.31	4.32	4.35	5880878	18556.896206			2
4.38	4.39	4.42	991446.1	2563.671406			3
E 4.44	4.46	4.48	7769432	31461.635195			4
4.59	4.61	4.63	1062837	3781.740136			5
E 4.67	4.69	4.71	8851653	20750.191747			6
Height Summation:			27788360.1				
Amount Avg CF:			13676.378936	Linear:			
Aroclor-1260					6	11.02	
4.31	4.32	4.35	5880878	10609.261673			1
4.44	4.46	4.48	7769432	13066.516268			2
4.55	4.56	4.59	5168214	10468.857486			3
4.89	4.91	4.93	3984803	10395.378878			4
5.09	5.10	5.13	11312830	13031.888902			5
5.34	5.36	5.38	7779040	12134.86714			6
Height Summation:			41895197				
Amount Avg CF:			11617.795058	Linear:			
Aroclor-1262					6	34.73	
E 4.70	4.72	4.74	3151085	5304.135532			1
E 4.89	4.91	4.93	3984803	7092.564798			2
E 5.08	5.10	5.12	11312830	9653.769246			3
5.30	5.32	5.34	1766151	3798.330537			4
E 5.34	5.36	5.38	7779040	9771.614449			5
E 5.72	5.74	5.76	3188883	5943.534683			6
Height Summation:			31182792				
Amount Avg CF:			6927.324874	Linear:			
Aroclor-1268					6	127.11	
5.30	5.32	5.34	1766151	1275.338035			1
E 5.35	5.36	5.39	7779040	5533.216736			2
5.50	5.52	5.54	152683	119.157856			3
5.57	5.58	5.61	42112.94	120.4224			4
E 5.72	5.74	5.76	3188883	5666.021984			5
5.92	5.94	5.96	601347.6	117.571731			6
Height Summation:			13530217.54				
Amount Avg CF:			2138.621457	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229462** RI ACF DF20 98A13 ID: AC **Batchnumber: 172790013A**
Sample Amount: 10.14 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274A
Result file : 25PCBS17284003.118.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 16, 2017 16:22:41
Instrument : CP25--18274B
Result file : 25PCBS17284003B.118.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			1005.9171	195.2663		** 95.35	4	40	
Aroclor-1221			1005.9171	301.7751		** 144.76	3	5	
Aroclor-1232			1005.9171	242.6035		** 100.38	4	10	
Aroclor-1242			1005.9171	242.6035		** 101.86	4	30	
Aroclor-1248			1005.9171	195.2663		33.01	4	40	
Aroclor-1254			1005.9171	260.355	E	17.81	4	40	
Aroclor-1260			1005.9171	230.7692		5.60	4	40	
Aroclor-1262			1005.9171	195.2663	E	3.19	4	40	
Aroclor-1268			1005.9171	195.2663	E	24.47	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:22:41 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: 25pcbs17284003.118.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.01		462	284
2.048		6731	8884
2.081		4765	7772
2.133		1384	2139
2.205		38172	30658
2.282		776	492
2.33		2263	1020
2.344		5902	3111
2.364		1333	827
2.488		3294	3726
2.516		367	162
2.531		1026	668
2.559		924	1064
2.636		1417	705
2.653		34856	22761
2.71		361	620
2.749		3106	6011
2.806		1429	1275
2.836		450	214
2.895		2191	2318
2.93	TCX	131728	89749
3.036		1510	978
3.085		494	586
3.126		2621	2914
3.179		2873	2322
3.208		393	160
3.249		54190	46390
3.273		1002	550
3.321		567	521
3.379		727	536
3.395		4050	2253
3.412		7574	4365
3.452		567	412
3.464		1081	475
3.478		1309	871
3.51		41770	32485
3.582		3722	3637
3.62		1335	642
3.688		16665	10023
3.696		25611	12214
3.732		62248	47749
3.78		12044	8817
3.821		27921	21572
3.85		155507	110346
3.876		188202	131351
3.899		264296	184073
3.948		1057	508
3.972		75790	52016
3.997		76251	55386
4.028		120810	91650
4.062		80414	77672
4.108		33503	29899
4.135		25815	18965
4.162		3484	1783

RT A	Compound A	Height A	Area A
4.186		37556	27044
4.221		595521	570775
4.265		387527	355625
4.333		281120	239250
4.374		828082	915511
4.409		432915	371559
4.45		77994	57644
4.471		57730	39244
4.513		238446	231178
4.563		161878	112128
4.58		223856	218451
4.623		1609721	1422639
4.673		904655	1022844
4.709		174267	106238
4.749		2416765	2255490
4.794		88222	79958
4.834		669400	691699
4.867		22267	13350
4.895		583665	573086
4.947		3474110	4229102
4.998		449047	410866
5.037		1395462	1469495
5.08		94192	62601
5.117		306045	387410
5.151		5120983	4921358
5.194		64891	29313
5.218		1595189	1495085
5.261		1091085	1054142
5.356		647000	500387
5.379		1768968	1482593
5.436		970733	908349
5.475		605244	575364
5.517		67133	71323
5.558		532334	554560
5.616		5729207	5731009
5.703		9809	10274
5.735		4833	3049
5.763		3628	3458
5.82		3444159	3121607
5.849		217518	129234
5.876		568666	632110
5.916		1572	1473
5.96		453	741
5.985		44245	37929
6.011		31362	26248
6.063		78980	64263
6.091		551499	526562
6.127		2331	1434
6.155		14836	12857
6.19		1751	1085
6.219		9169	5447
6.246		1307096	1257621
6.291		82448	81143
6.344		1935	2181
6.371		2066	2489
6.449		241695	253201
6.507		7849	10384
6.564		4383	3825
6.597	DCB	102962	108831
6.632		8644	6745
6.657		1252	638
6.694		593	236
6.711		760	276
6.792		667	5062
6.846		826	1994
6.879		3385	5300

RT A	Compound A	Height A	Area A
6.928		1336	1174
6.962		941	491

LANCASTER LABORATORIES

Sample Number: 9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:22:41 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: 25pcbs17284003B.118.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.024		2445	1225
2.047		4644	4156
2.079		15593	10965
2.101		5282	11024
2.159		4469	4304
2.188		3029	1861
2.212		3100	1883
2.229		5524	6340
2.292		2715	3822
2.309		4725	5522
2.364		73424	59108
2.447		2029	1139
2.464		4013	3112
2.491		5010	5000
2.537		5516	6620
2.569		2352	1869
2.615	TCX	238403	152007
2.676		3211	1624
2.708		4299	6063
2.783		4846	2525
2.809		2732	1565
2.834		6019	7713
2.91		104453	85007
2.992		1814	1212
3.009		4555	3002
3.069		2128	1115
3.091		572	190
3.106		7441	3572
3.116		12554	5266
3.147		463	87
3.155		2577	1278
3.176		2257	940
3.225		88888	60852
3.265		10731	10263
3.312		8109	4941
3.326		4004	1666
3.353		2891	1730
3.384		152390	108758
3.404		153487	88388
3.434		124181	74947
3.491		31501	32099
3.527		324156	197043
3.549		441675	235424
3.568		582417	328700
3.627		1776	456
3.653		165379	95432
3.676		162901	91401
3.696		262328	187529
3.726		11736	4752
3.742		135655	77530
3.754		10340	3302
3.78		85655	62642
3.822		73698	58182
3.853		41635	22113

RT B	Compound B	Height B	Area B
3.874		1446414	971646
3.899		336854	190915
3.919		494129	289160
3.938		574248	346609
3.973		1950182	1373237
4.004		917859	562235
4.022		276605	143224
4.044		201493	125933
4.083		162251	142320
4.117		448634	317201
4.138		87886	70740
4.173		764394	543590
4.215		515816	411818
4.234		3232114	3452645
4.272		922918	878924
4.324		5880878	4557750
4.362		223911	235044
4.394		991446	643161
4.418		1675425	1169512
4.46		7769432	5771308
4.515		84555	63796
4.562		5168214	4938548
4.613		1062837	902801
4.653		1712117	1443284
4.689		8851653	7307660
4.721		3151085	2100865
4.759		2303901	1715279
4.819		9117	6436
4.83		18916	10087
4.858		512951	344000
4.875		168891	90816
4.909		3984803	2964028
4.933		1083547	754536
4.982		2277639	1939649
5.018		1136281	875241
5.048		822814	651409
5.081		351590	201632
5.103		11312830	9187196
5.144		210840	145224
5.175		278133	223452
5.217		8749	5904
5.24		22930	15879
5.293		77828	46321
5.317		1766151	1438492
5.361		7779040	7874419
5.419		8353	10878
5.463		4051	3287
5.48		2516	1041
5.515		152683	131036
5.561		244201	200138
5.585		42113	24058
5.607		128116	86459
5.634		1191140	979105
5.674		21946	21396
5.713		33255	20631
5.74		3188883	2554938
5.771		189327	142408
5.819		8115	5768
5.854		4949	5637
5.885		4188	4102
5.939		601348	537232
6.003		18832	26279
6.053		1809	1125
6.075		6194	3508
6.097	DCB	297680	242301
6.133		35684	34003

RT B	Compound B	Height B	Area B
6.223		8709	17298
6.273		6803	5600
6.3		22347	18860
6.334		3483	2081
6.367		3557	2775
6.403		7155	8909
6.44		2468	2308
6.463		6145	6641
6.519		4463	6236
6.574		8255	8262
6.606		2190	1911
6.628		1663	1032
6.668		1354	1801
6.68		1438	925
6.701		1718	802
6.719		1331	933
6.75		1302	1035
6.777		3329	5030
6.82		7513	8237
6.88		2640	4016
6.907		1383	909
6.935		3134	3470

9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082

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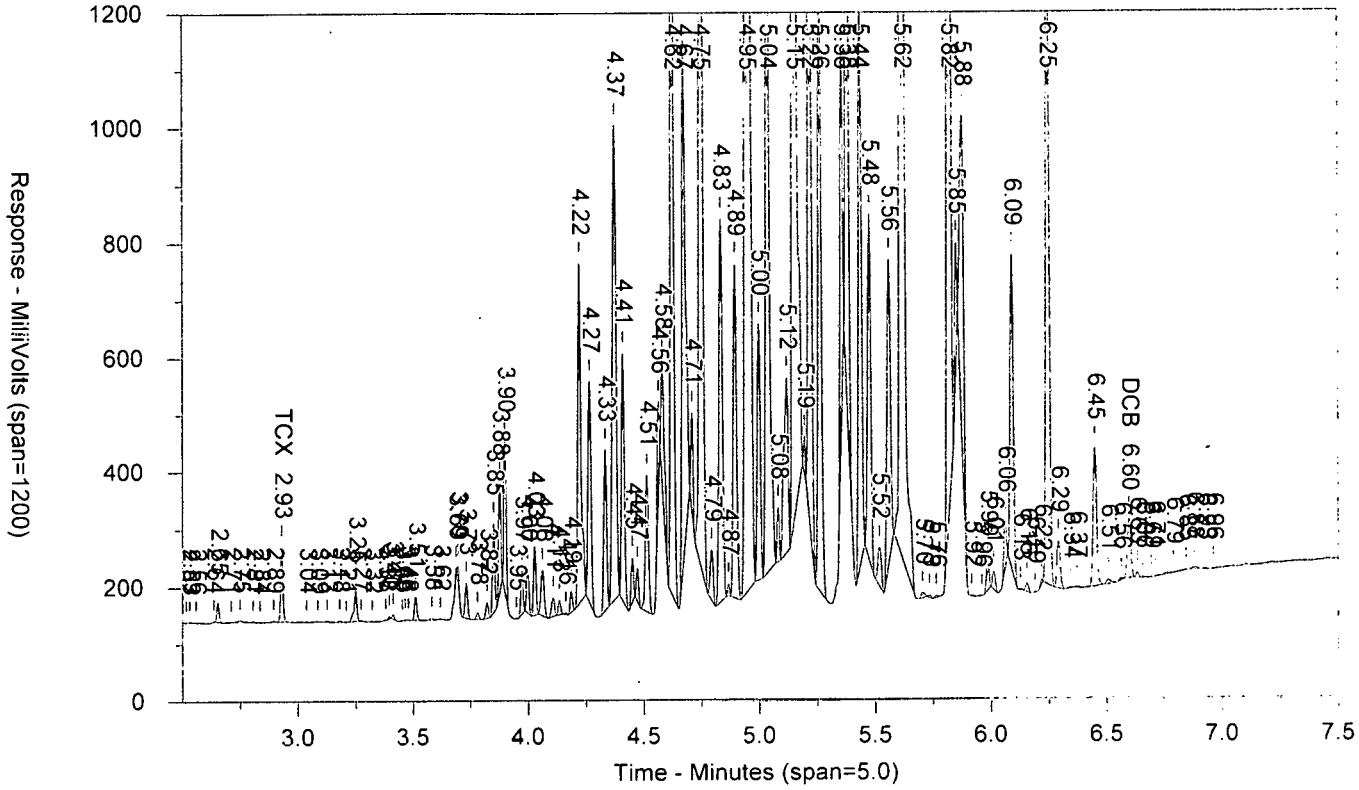

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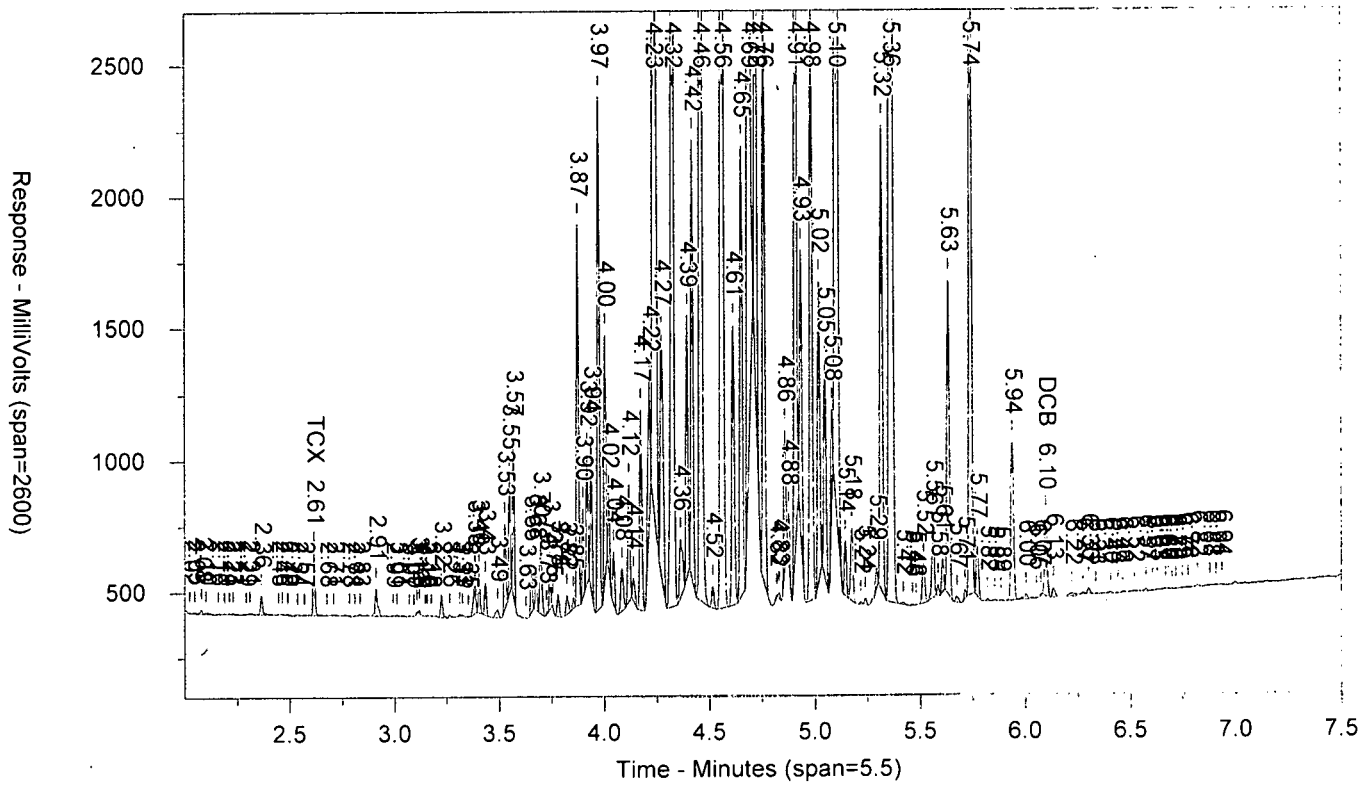


LANCASTER LABORATORIES

Sample Number: 9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082
Injected On: 10/16/2017 4:22:41 PM Sample Weight: 10.14
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

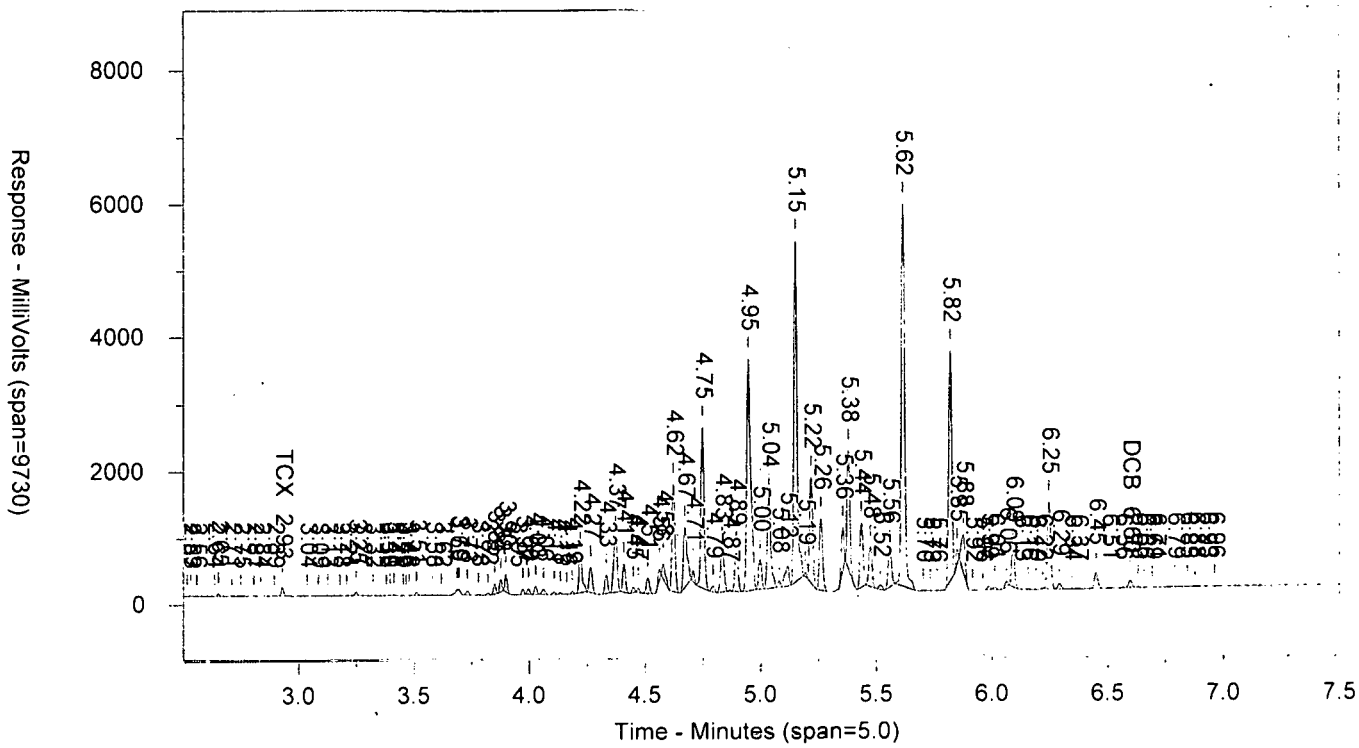
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	131728	17.221	TCX	2.615	238403	17.26	TCX
6.597	102962	21.068	DCB	6.097	297680	19.394	DCB

Files:
Area File: 25pcbs17284003.118.RAW
Area File: 25pcbs17284003B.118.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: 10/16/2017 4:31:13 PM
File Reported On: 10/16/2017 at 4:31:23 PM

9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.118.RAW



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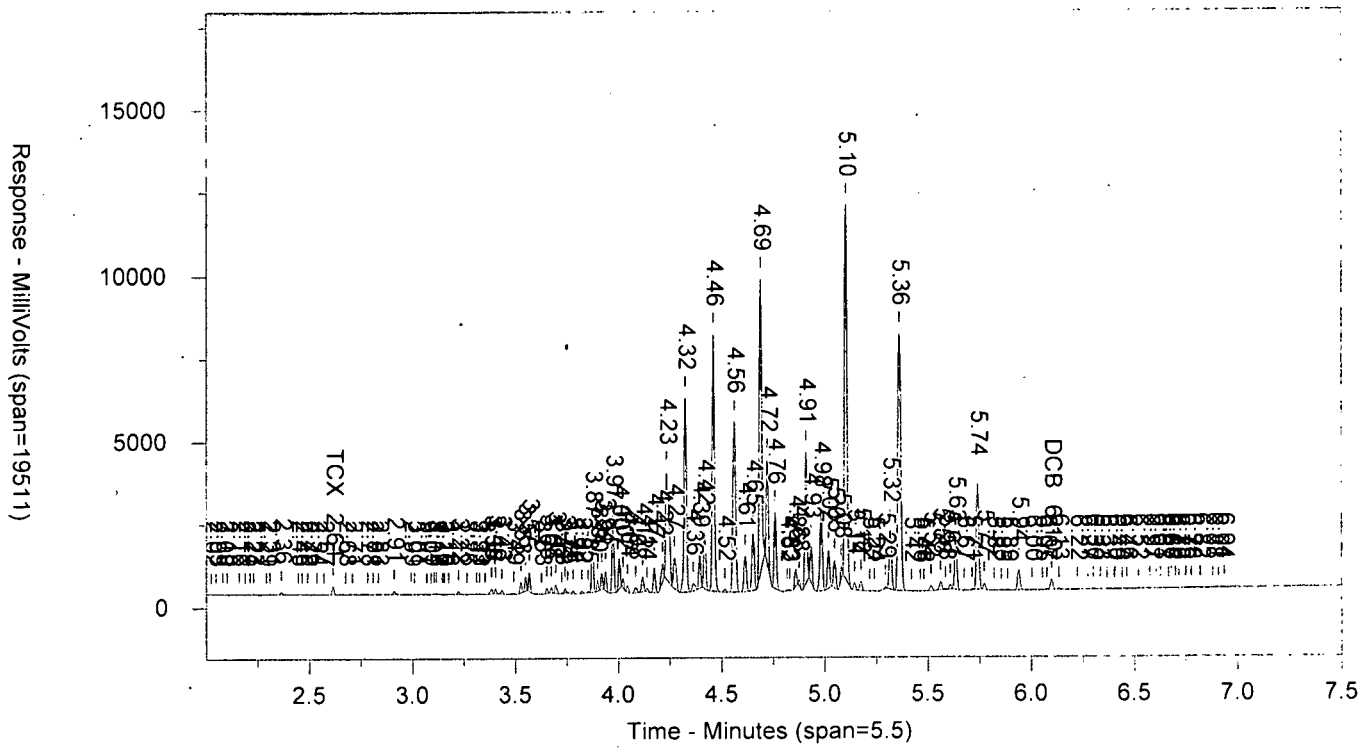

9229462 RI ACF DF20 AC98A13 T 172790013A 10225 SW-846 8082

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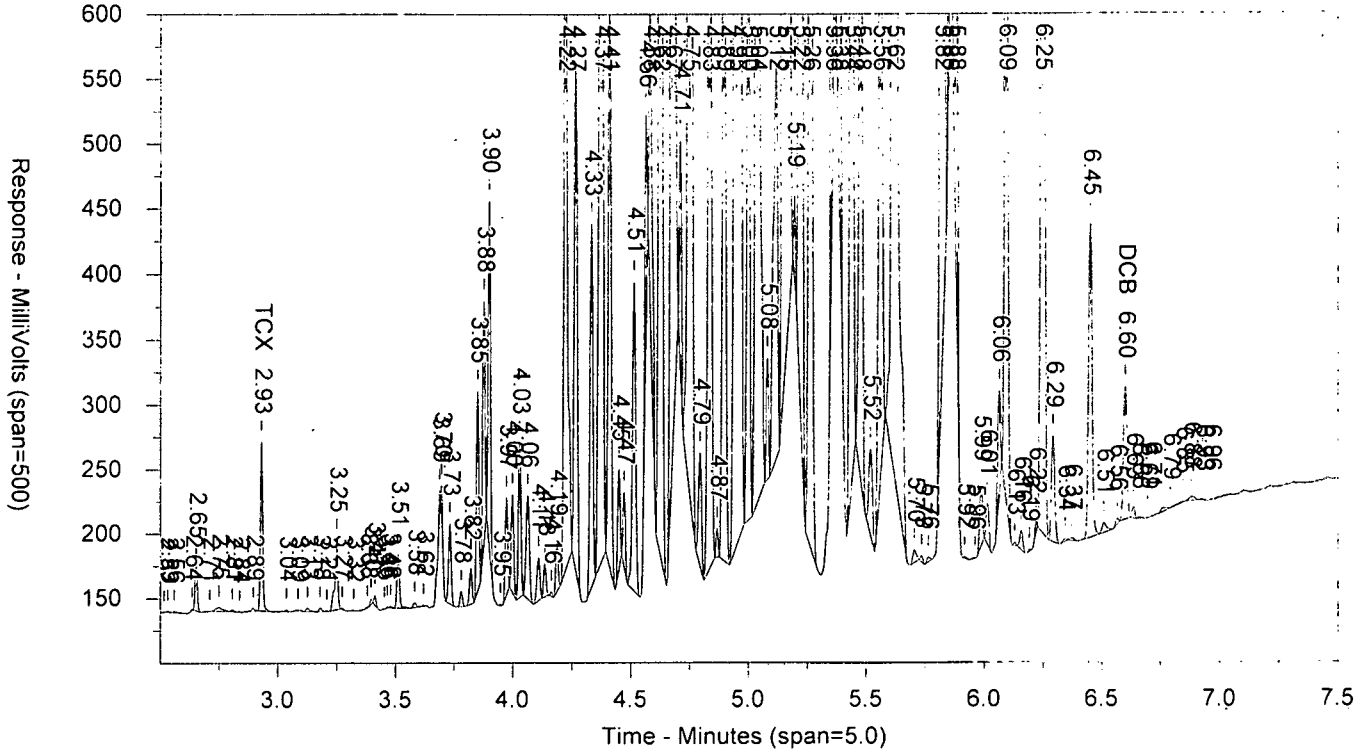

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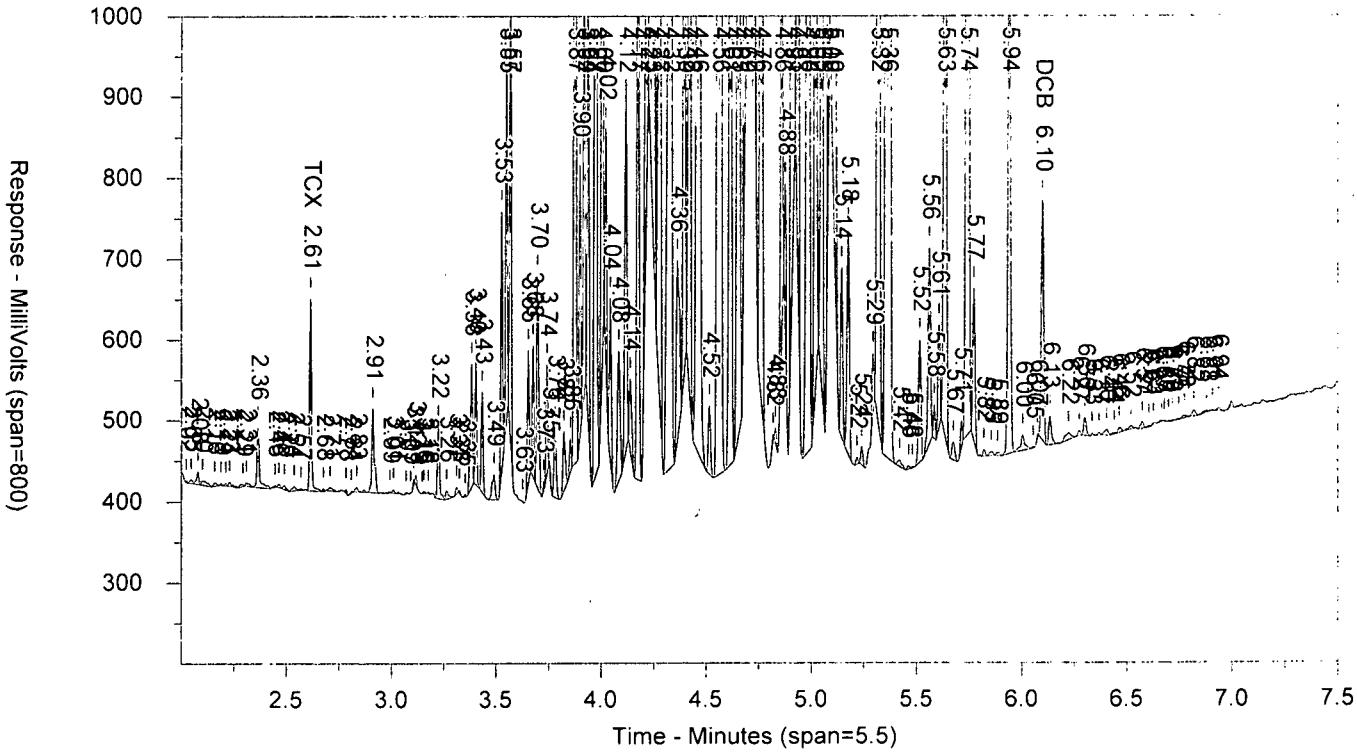

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229463 ACF DF10 98A14 Sample ID: AD **Batchnumber: 172820027A**

Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:11:30
Instrument	19843A
Result file	07PCBS17284001.0070.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 74% (61 - 152) Conc: 21.93723

%SSR(DCB) 88% (48 - 164) Conc: 23.23106

Analysis Report (B)

Injected on	Oct 12, 2017 08:11:30
Instrument	19843B
Result file	07PCBS17284001B.0070.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 64% (61 - 152) Conc: 18.95445

%SSR(DCB) 77% (48 - 164) Conc: 20.39384

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	616979	21.93723	Tetrachloro-m-xylene	2.56	2.59	2.62	806142	18.95445
Decachlorobiphenyl	6.57	6.60	6.63	480955	23.23106	Decachlorobiphenyl	6.05	6.08	6.11	792093	20.39384

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	21.93723				14.59	
☑	Tetrachloro-m-xylene-D1	A	21.93723					
☑	Tetrachloro-m-xylene-D2	B	18.95445					
☐	Decachlorobiphenyl	A	23.23106				13.01	
☑	Decachlorobiphenyl-D1	A	23.23106					
☑	Decachlorobiphenyl-D2	B	20.39384					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**12.59**	
4.74	4.76	4.78	3681378	3095.093826			1
4.94	4.96	4.98	4656812	3872.229501			2
5.14	5.16	5.18	6155230	4209.598303			3
5.37	5.39	5.41	2488427	3075.809068			4
5.61	5.63	5.65	9636849	3823.833631			5
5.81	5.83	5.85	6062394	3543.194722			6

Height summation: **32681090**

Concentration CF: **3603.293175** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.33**	
4.42	4.44	4.46	8019038	3789.081777			1
4.52	4.54	4.56	4876900	3070.391229			2
4.65	4.67	4.69	8645922	4308.212711			3
4.87	4.89	4.91	3948954	2869.045827			4
5.06	5.08	5.10	13038480	4035.576784			5
5.32	5.34	5.36	7797970	3690.990547			6

Height summation: **46327264**

Concentration CF: **3627.216479** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<497.076	<96.4912	D1		4	
☑	PCB-1221			<497.076	<149.1228	D1		3	
☑	PCB-1232			<497.076	<119.883	D1		4	
☑	PCB-1242			<497.076	<119.883	D1		4	
☑	PCB-1248			<497.076	<96.4912	D1		4	
☑	PCB-1254			<497.076	<128.655	D1		4	
☑	PCB-1260	B	3627.216479	497.076	114.0351	D2	0.66	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:08

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229463 ACF DF10 98A14 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0070.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 74% (61-152) Conc.: 21.93723
%SSR(DCB) : 88% (48-164) Conc.: 23.23106

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**157.56**	
3.17	3.19	3.21	13945.08	28.263715			1
3.38	3.40	3.42	24559.99	47.483597			2
+ 3.38	3.42	3.42	9980.489	19.295998			2
+ 3.50	3.52	3.54	7755.468	12.483331			3
3.50	3.53	3.54	11162.4	17.967186			3
3.71	3.73	3.75	74051.44	98.090691			4
3.77	3.77	3.81	27026.94	40.668568			5
+ 3.77	3.79	3.81	25365.02	38.167807			5
+ 3.77	3.80	3.81	13200.38	19.863164			5
3.96	3.98	4.00	271844.5	536.359175			6
Height Summation:			**422590.35**				
Amount Avg CF:			**128.138822**	Linear:			
Aroclor-1221					**3**	**98.71**	
3.07	3.07	3.11	4095.882	16.108911			1
+ 3.07	3.09	3.11	3082.366	12.122801			1
3.12	3.13	3.16	20091.19	90.135271			2
3.17	3.19	3.21	13945.08	20.210122			3
Height Summation:			**38132.152**				
Amount Avg CF:			**42.151435**	Linear:			
Aroclor-1232					**6**	**171.62**	
3.17	3.19	3.21	13945.08	24.319769			1
3.38	3.40	3.42	24559.99	105.443699			2
+ 3.38	3.42	3.42	9980.489	42.849353			2
+ 3.50	3.52	3.54	7755.468	27.417507			3
3.50	3.53	3.54	11162.4	39.461859			3
3.71	3.73	3.75	74051.44	216.218028			4
3.77	3.77	3.81	27026.94	96.517803			5
+ 3.77	3.79	3.81	25365.02	90.582804			5
+ 3.77	3.80	3.81	13200.38	47.140804			5
3.96	3.98	4.00	271844.5	1415.422455			6
Height Summation:			**422590.35**				
Amount Avg CF:			**316.230602**	Linear:			
Aroclor-1242					**6**	**158.56**	
3.17	3.19	3.21	13945.08	20.30645			1
3.38	3.40	3.42	24559.99	35.355622			2
+ 3.38	3.42	3.42	9980.489	14.36753			2
+ 3.50	3.52	3.54	7755.468	9.372553			3
3.50	3.53	3.54	11162.4	13.489861			3
3.71	3.73	3.75	74051.44	71.462872			4
3.77	3.77	3.81	27026.94	30.401217			5
+ 3.77	3.79	3.81	25365.02	28.531809			5
+ 3.77	3.80	3.81	13200.38	14.84843			5
3.96	3.98	4.00	271844.5	401.543478			6
Height Summation:			**422590.35**				
Amount Avg CF:			**95.426583**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0070.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 64% (61-152) Conc.: 18.95445
%SSR(DCB) : 77% (48-164) Conc.: 20.39384

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**85.21**	
2.86	2.89	2.90	356936.2	496.964498			1
3.19	3.21	3.23	46089.43	51.153127			2
+ 3.38	3.38	3.42	12116.53	13.067196			3
3.38	3.40	3.42	53458.39	57.652749			3
3.45	3.47	3.49	69668.13	70.835665			4
3.51	3.53	3.55	287672.7	388.053386			5
+ 3.51	3.55	3.55	72327.1	97.564962			5
3.61	3.63	3.65	399044.2	474.907824			6
Height Summation:			**1212869.05**				
Amount Avg CF:			**256.594541**	Linear:			
Aroclor-1221					**3**	**128.20**	
2.74	2.76	2.78	4333.272	10.072953			1
2.80	2.81	2.84	17448.17	65.182476			2
2.86	2.89	2.90	356936.2	345.010771			3
Height Summation:			**378717.642**				
Amount Avg CF:			**140.088734**	Linear:			
Aroclor-1232					**6**	**94.70**	
2.86	2.89	2.90	356936.2	429.635506			1
3.19	3.21	3.23	46089.43	111.738442			2
+ 3.38	3.38	3.42	12116.53	29.148347			3
3.38	3.40	3.42	53458.39	128.603133			3
3.45	3.47	3.49	69668.13	165.787787			4
3.51	3.53	3.55	287672.7	1011.753245			5
+ 3.51	3.55	3.55	72327.1	254.376512			5
3.61	3.63	3.65	399044.2	1199.847949			6
Height Summation:			**1212869.05**				
Amount Avg CF:			**507.894344**	Linear:			
Aroclor-1242					**6**	**84.92**	
2.86	2.89	2.90	356936.2	350.144211			1
3.19	3.21	3.23	46089.43	36.997008			2
+ 3.38	3.38	3.42	12116.53	9.734321			3
3.38	3.40	3.42	53458.39	42.948032			3
3.45	3.47	3.49	69668.13	51.11701			4
3.51	3.53	3.55	287672.7	298.326808			5
+ 3.51	3.55	3.55	72327.1	75.005772			5
3.61	3.63	3.65	399044.2	355.10891			6
Height Summation:			**1212869.05**				
Amount Avg CF:			**189.106997**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229463** ACF DF10 98A14 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0070.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	107.58	
3.71	3.73	3.75	74051.44	220.069047			1
3.77	3.77	3.81	27026.94	73.408431			2
+ 3.77	3.79	3.81	25365.02	68.894455			2
+ 3.77	3.80	3.81	13200.38	35.853825			2
3.84	3.86	3.88	423784.6	672.358891			3
3.96	3.98	4.00	271844.5	384.466251			4
4.05	4.07	4.09	175822.1	274.701492			5
4.23	4.23	4.27	1209688	1700.549184			6
+ 4.23	4.25	4.27	275658.2	387.513414			6
Height Summation:			**2182217.58**				
Amount Avg CF:			**554.258883**	Linear:			
Aroclor-1254					6	82.49	
4.21	4.23	4.25	1209688	1517.956963			1
+ 4.21	4.25	4.25	275658.2	345.905129			1
4.32	4.34	4.36	399617.4	1502.30781			2
4.55	4.57	4.59	764409.5	867.439646			3
+ 4.55	4.59	4.59	202492.3	229.785016			3
4.61	4.63	4.65	2319940	1320.581077			4
5.02	5.05	5.06	2099554	3421.144944			5
5.14	5.16	5.18	6155230	6250.304769			6
Height Summation:			**12948438.9**				
Amount Avg CF:			**2479.955868**	Linear:			
Aroclor-1260					6	12.59	
4.74	4.76	4.78	3681378	3095.093826			1
4.94	4.96	4.98	4656812	3872.229501			2
5.14	5.16	5.18	6155230	4209.598303			3
5.37	5.39	5.41	2488427	3075.809068			4
5.61	5.63	5.65	9636849	3823.833631			5
5.81	5.83	5.85	6062394	3543.194722			6
Height Summation:			**32681090**				
Amount Avg CF:			**3603.293175**	Linear:			
Aroclor-1262					6	37.98	
5.21	5.23	5.25	2687196	1744.730504			1
E 5.37	5.39	5.41	2488427	2263.311839			2
E 5.61	5.63	5.65	9636849	3293.540792			3
E 5.81	5.83	5.85	6062394	2669.361561			4
5.87	5.89	5.91	1081565	945.277689			5
6.24	6.26	6.28	2143662	1876.519615			6
Height Summation:			**24100093**				
Amount Avg CF:			**2132.123667**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0070.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	102.35	
+ 3.38	3.38	3.42	12116.53	32.098917			1
3.38	3.40	3.42	53458.39	141.62111			1
3.45	3.47	3.49	69668.13	124.595453			2
3.49	3.51	3.53	628183.6	659.383173			3
3.61	3.63	3.65	399044.2	352.51103			4
+ 3.70	3.70	3.74	31755.98	38.758218			5
3.70	3.72	3.74	197911.2	241.550895			5
3.84	3.85	3.88	2240962	1447.557836			6
Height Summation:			**3589227.52**				
Amount Avg CF:			**494.536583**	Linear:			
Aroclor-1254					6	83.06	
+ 4.19	4.19	4.23	479813.6	205.51667			1
4.19	4.21	4.23	1864560	798.639644			1
+ 4.19	4.22	4.23	938981.6	402.190292			1
4.28	4.30	4.32	5561380	4927.354134			2
4.35	4.37	4.39	1773105	1361.745196			3
4.42	4.44	4.46	8019038	8673.156396			4
4.57	4.59	4.61	1389502	1378.472107			5
4.65	4.67	4.69	8645922	5158.236443			6
Height Summation:			**27253507**				
Amount Avg CF:			**3716.26732**	Linear:			
Aroclor-1260					6	15.33	
4.42	4.44	4.46	8019038	3789.081777			1
4.52	4.54	4.56	4876900	3070.391229			2
4.65	4.67	4.69	8645922	4308.212711			3
4.87	4.89	4.91	3948954	2869.045827			4
5.06	5.08	5.10	13038480	4035.576784			5
5.32	5.34	5.36	7797970	3690.990547			6
Height Summation:			**46327264**				
Amount Avg CF:			**3627.216479**	Linear:			
Aroclor-1262					6	37.98	
4.68	4.70	4.72	3183986	1461.451673			1
4.87	4.89	4.91	3948954	1849.130434			2
E 5.06	5.08	5.10	13038480	3057.033545			3
5.28	5.30	5.32	1861519	1071.935903			4
E 5.33	5.34	5.36	7797970	2771.02727			5
5.71	5.72	5.74	3047135	1842.979342			6
Height Summation:			**32878044**				
Amount Avg CF:			**2008.926361**	Linear:			
Aroclor-1268					6	125.75	
5.28	5.30	5.32	1861519	375.146264			1
5.33	5.34	5.36	7797970	1667.645839			2
5.48	5.50	5.52	209988	47.594669			3
5.55	5.57	5.59	48015.45	41.922605			4
5.70	5.72	5.74	3047135	1648.933987			5
5.90	5.92	5.94	609659.8	42.076732			6
Height Summation:			**13574287.25**				
Amount Avg CF:			**637.220016**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229463 ACF DF10 98A14 Sample ID: AD **Batchnumber: 172820027A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0070.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**97.14**	
5.81	5.83	5.85	6062394	1378.518887			1
5.87	5.89	5.91	1081565	279.080214			2
6.00	6.02	6.04	66558.63	19.411697			3
+ 6.06	6.07	6.10	180826.1	211.220765			4
6.06	6.10	6.10	963665.7	1125.646167			4
6.23	6.26	6.27	2143662	1715.479102			5
6.43	6.46	6.47	371953.2	41.737085			6

Height Summation: **10689798.53**
Amount Avg CF: **759.978859** Linear:

Analysis Report (B)

Injected on : Oct 12, 2017 08:11:30
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0070.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			497.076	96.4912		** 66.78	4	40	
Aroclor-1221			497.076	149.1228		** 107.48	3	40	
Aroclor-1232			497.076	119.883		** 46.51	4	40	
Aroclor-1242			497.076	119.883		** 65.85	4	40	
Aroclor-1248			497.076	96.4912		11.39	4	40	
Aroclor-1254			497.076	128.655		39.91	4	40	
Aroclor-1260			497.076	114.0351		0.66	4	40	
Aroclor-1262			497.076	96.4912	E	5.95	4	40	
Aroclor-1268			497.076	96.4912		17.57	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:11:30 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: 07PCBS17284001.0070.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.528		63318	158763
1.583		95130	114922
1.611		47712	49696
1.64		58029	91547
1.664		44686	51264
1.685		35890	40140
1.737		26879	41639
1.757		17773	12660
1.817		16286	12192
1.836		35274	24399
1.863		20933	14720
1.888		26284	34449
1.927		35564	34309
1.946		35787	29480
1.972		22141	13133
2.011		34425	43238
2.054		44823	75210
2.098		27676	24898
2.118		46627	49480
2.142		39572	36002
2.157		43231	65890
2.21		97516	88023
2.232		46441	37293
2.245		39935	33383
2.265		22597	14783
2.285		36922	41287
2.321		52633	43917
2.336		32561	22617
2.354		25467	16754
2.396		40013	59138
2.434		26374	35593
2.456		32533	26532
2.49		33057	49097
2.528		33436	36436
2.547		23211	19628
2.566		24833	16694
2.576		26064	18349
2.641		34397	38440
2.659		133673	77183
2.718		24552	18747
2.745		18380	16683
2.777		5371	3161
2.795		6723	2767
2.812		23250	15712
2.838		5667	4993
2.898		103000	77885
2.937	TCX	616979	460272
2.986		11391	9690
3.014		20861	19338
3.051		5709	6808
3.073		4096	1894
3.091		3082	1734
3.135		20091	30568

RT A	Compound A	Height A	Area A
3.166		6125	2578
3.188		13945	13997
3.219		31689	15354
3.239		76305	53461
3.256		274018	164731
3.284		107723	72403
3.305		54028	34356
3.336		3332	1370
3.356		8382	8487
3.382		8722	5684
3.405		24560	17683
3.422		9980	6542
3.458		13350	8149
3.479		31472	21587
3.497		25098	18664
3.516		7755	3183
3.534		11162	7966
3.549		34691	16137
3.56		18832	7108
3.58		99429	80952
3.602		17014	7851
3.627		86362	94415
3.66		5494	2453
3.683		42131	23657
3.694		20962	12236
3.73		74051	53159
3.77		27027	25681
3.79		25365	12784
3.803		13200	5243
3.815		12802	4577
3.858		423785	301423
3.885		143736	99432
3.906		55243	27951
3.957		42521	38052
3.981		271845	195921
4.006		28953	25189
4.036		42893	24980
4.071		175822	163667
4.111		35919	35982
4.158		5334	2118
4.193		55651	52453
4.229		1209689	854644
4.247		275658	151594
4.272		328561	264312
4.302		14622	8669
4.34		399617	329274
4.383		2152090	2103315
4.417		554779	459210
4.457		34267	22242
4.48		100714	81402
4.521		541674	491743
4.572		764410	536311
4.588		202492	204152
4.632		2319940	1968254
4.681		1496989	1592223
4.717		485929	341892
4.757		3681378	3352108
4.804		172302	147443
4.845		1446634	1418232
4.876		41535	25672
4.904		781291	728312
4.956		4656813	5417609
5.007		623926	568130
5.046		2099554	2240242
5.089		86517	51897
5.127		425440	541088

RT A	Compound A	Height A	Area A
5.161		6155230	5401404
5.184		284533	151127
5.203		108292	52727
5.227		2687196	2405507
5.269		1881079	1774856
5.304		18982	18826
5.365		820307	628315
5.39		2488427	2119024
5.446		1455998	1348236
5.485		991881	982651
5.526		165629	208248
5.568		1265115	1296318
5.602		42361	29052
5.626		9636849	8807134
5.659		66158	57232
5.753		2578	1329
5.831		6062394	5466198
5.861		485182	320442
5.886		1081565	1160957
5.925		5620	7009
5.971		1708	391
5.998		98006	82756
6.021		66559	50794
6.074		180826	148683
6.1		963666	873700
6.149		5768	3204
6.165		17369	12193
6.228		7408	4193
6.256		2143663	2059805
6.3		139470	128517
6.456		371953	375820
6.521		2139	1117
6.571		4263	2619
6.602	DCB	480955	490619
6.635		3945	2907
6.664		6845	4968
6.71		1708	839
6.758		2512	1054
6.801		1108	872
6.831		2736	1157
6.857		2297	2267
6.916		1470	347
6.931		3039	2641
6.956		2045	840
6.998		1584	647
7.018		1741	720
7.047		2122	1557
7.101		1702	1152
7.123		1721	579
7.15		2297	1359
7.169		2385	1670
7.202		1953	2263
7.221		1991	740
7.283		3353	2567
7.312		2180	2026
7.35		1063	338
7.4		2626	2184
7.412		1385	380
7.448		1913	1840
7.471		1893	2007
7.56		2491	2722
7.602		2829	2514
7.628		1113	343
7.664		2994	2472
7.732		2727	2392
7.794		1837	1878

RT A	Compound A	Height A	Area A
7.818		1625	1408
7.841		1410	714
7.879		1688	1760
7.911		3067	2958
7.952		12631	19590
7.996		1611	921
8.028		2216	2510
8.049		1970	693
8.096		1430	728
8.135		1234	1044
8.172		750	779
8.214		1447	426
8.225		1896	1112
8.261		1911	961
8.417		1141	675
8.443		917	365
8.459		1901	689
8.498		2865	3268
8.538		1855	680
8.574		1939	1965
8.606		1934	884
8.627		979	868
8.649		1820	737

LANCASTER LABORATORIES

Sample Number: 9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:11:30 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: 07PCBS17284001B.0070.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.505		4600	2769
1.53		8400	5017
1.556		5816	3685
1.622		16220	27320
1.683		12221	17172
1.709		8973	6284
1.744		10433	8129
1.77		32937	38009
1.787		29725	38551
1.851		32079	32606
1.879		12922	8432
1.9		32436	24255
1.932		105861	77745
1.959		17609	15950
1.976		16309	17370
1.996		15776	11552
2.028		8181	6865
2.054		11000	9456
2.077		11130	15206
2.109		4102	1903
2.147		29912	25339
2.207		9852	5028
2.224		6237	3207
2.263		5967	8647
2.286		12667	5778
2.297		13093	4948
2.341		201499	135051
2.411		15700	17680
2.479		26310	35276
2.515		4929	3230
2.553		3600	2728
2.592	TCX	806142	525577
2.625		38947	20719
2.671		5116	8644
2.708		2696	1313
2.738		10452	6993
2.764		4333	2279
2.789		25433	16706
2.809		17448	10464
2.889		356936	249682
2.919		30753	17842
2.947		51610	33879
2.984		39486	47237
3.042		9905	6753
3.071		8480	4554
3.084		39295	34573
3.128		24553	20061
3.162		20310	11692
3.179		7223	3633
3.205		46089	26347
3.225		24548	15967
3.246		39093	34385
3.269		4667	1544
3.282		17863	11900

3.307	24539	20450
3.331	19020	12738
3.363	125153	117187
3.384	12117	5805
3.397	53458	34537
3.45	13177	10045
3.471	69668	44335
3.506	628184	387957
3.529	287673	164027
3.547	72327	33537
3.586	25998	19618
3.632	399044	250831
3.654	73386	37659
3.675	84477	54346
3.704	31756	14029
3.72	197911	119842
3.76	57560	42647
3.783	3701	1853
3.801	54356	47055
3.832	174155	103028
3.853	2240963	1502262
3.878	261728	143968
3.897	188824	102023
3.917	516108	322707
3.952	2781687	1891523
3.983	657939	400139
4	266248	136649
4.061	136130	98061
4.095	641036	477380
4.12	35140	26086
4.151	1406393	1021583
4.192	479814	415930
4.211	1864560	1022858
4.225	938982	450130
4.251	838569	860677
4.302	5561380	4369309
4.34	238394	215399
4.372	1773105	1216985
4.396	1339447	968780
4.439	8019038	6262663
4.492	54791	38939
4.54	4876900	5051693
4.589	1389502	1231528
4.63	1567720	1379057
4.667	8645922	7131539
4.699	3183987	2200173
4.738	2525208	2037987
4.778	11086	5594
4.809	48655	37327
4.836	589301	401996
4.854	210190	124575
4.887	3948954	3061779
4.91	791531	527841
4.961	2452535	2157267
4.996	1242727	1020893
5.027	959612	769993
5.059	737257	443597
5.082	13038480	10233190
5.123	245627	181891
5.153	311709	268502
5.193	7325	5247
5.245	5169	4318
5.274	102334	63644
5.297	1861519	1605238
5.342	7797970	8447959
5.461	3146	1968
5.497	209988	181565

5.544		305747	243370
5.566		48015	27543
5.59		99210	66062
5.616		1216577	1034762
5.655		20379	22376
5.697		18838	12081
5.725		3047135	2572439
5.756		171788	129000
5.802		15337	12530
5.925		609660	541910
6.084	DCB	792093	734671
6.121		16446	12492
6.187		3394	3442
6.259		17813	12841
6.283		43353	36089
6.321		2298	1709
6.452		3353	3120
6.506		6042	11117
6.569		1963	2022
6.624		1677	3602
6.657		2899	3171
6.704		2926	4315
6.728		1546	1138
6.77		2622	3564
6.859		1829	1726
6.957		1091	4658
6.987		19283	19329
7.032		1672	1585
7.277		1429	1640
7.347		1336	1874
7.475		1163	1512
7.514		19707	27247
7.571		2357	3136
7.643		1450	1262
7.712		3664	4828
7.816		4516	7269
7.948		1688	3353
8.083		1525	2154
8.162		9990	17334
8.297		3000	5702
8.448		1555	958
8.555		1861	2729

9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082

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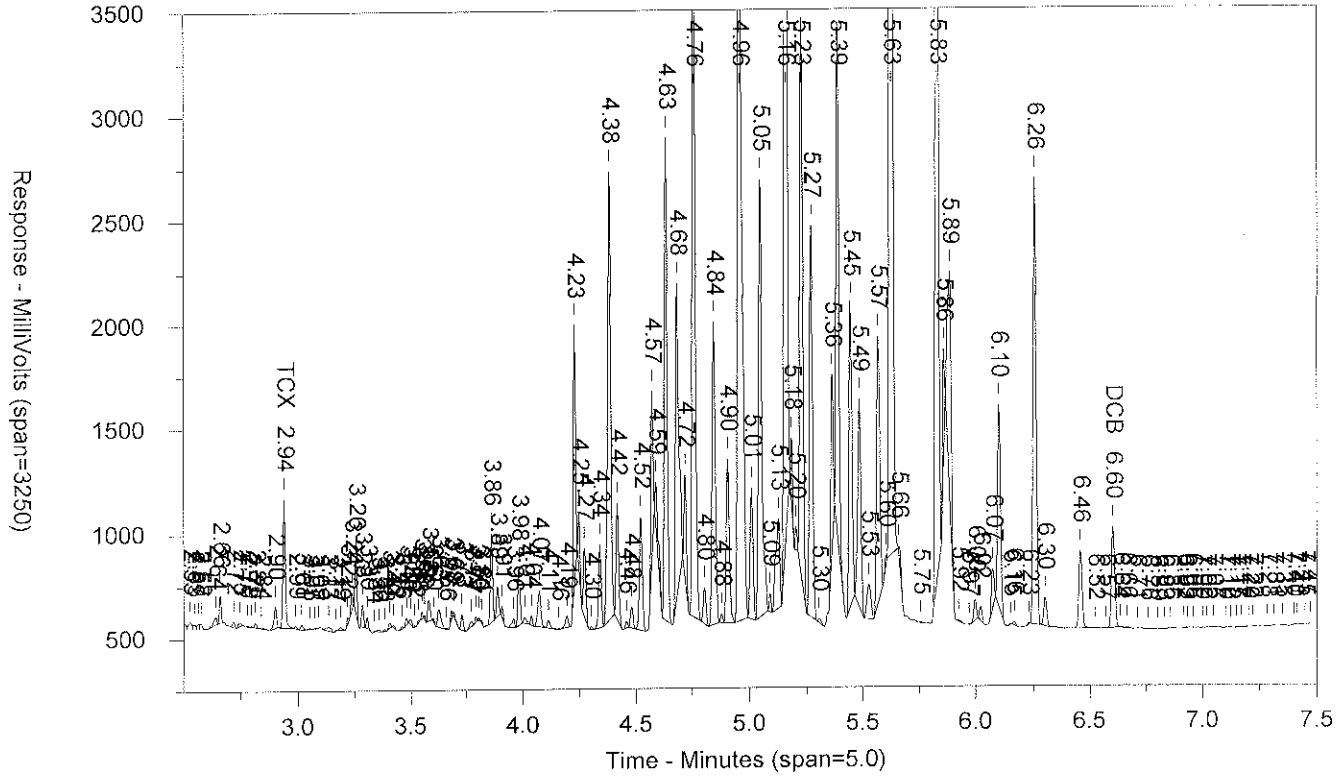

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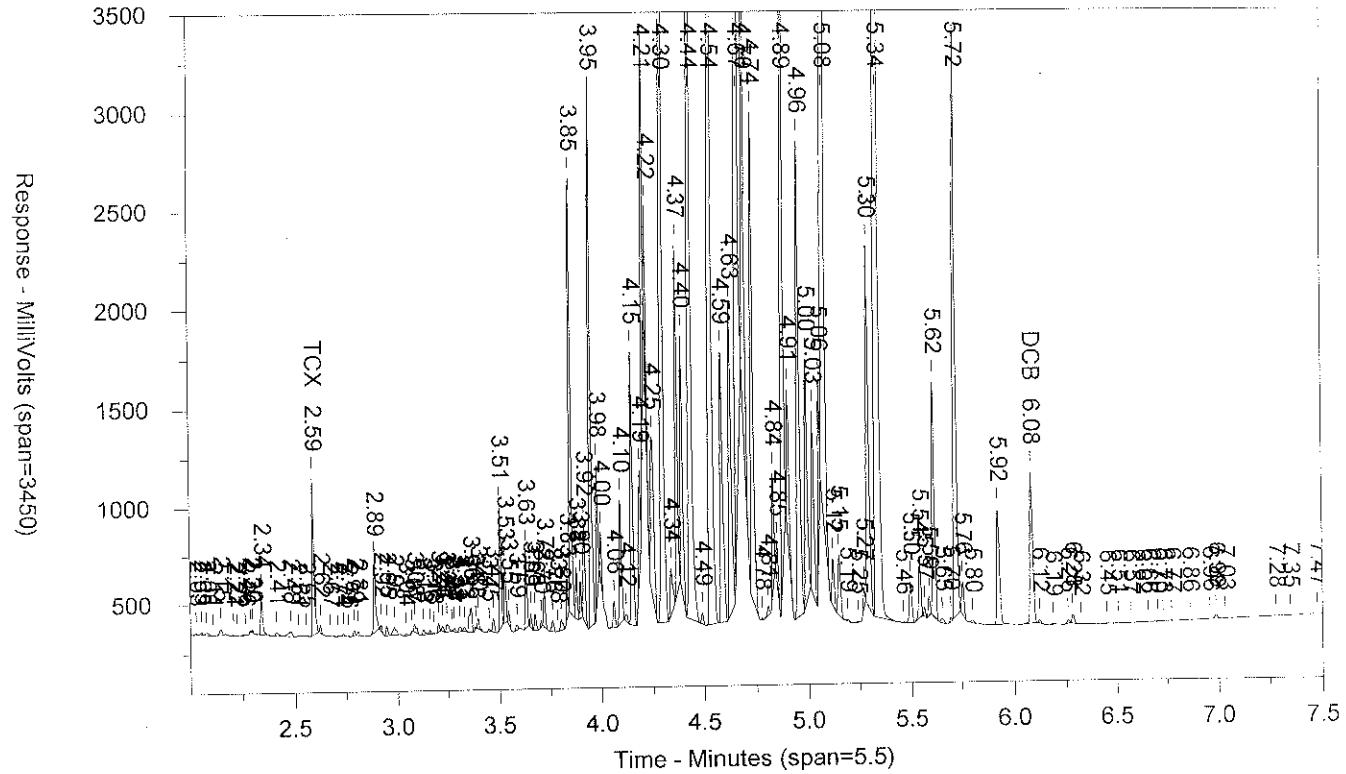

LANCASTER LABORATORIES

Sample Number: 9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:11:30 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.26
Dilution Factor: 100

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	616979	21.937	TCX	2.592	806142	18.954	TCX
6.602	480955	23.231	DCB	6.084	792093	20.394	DCB

Files:
Area File: 07PCBS17284001.0070.RAW
Area File: 07PCBS17284001B.0070.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:37:27 AM

9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082

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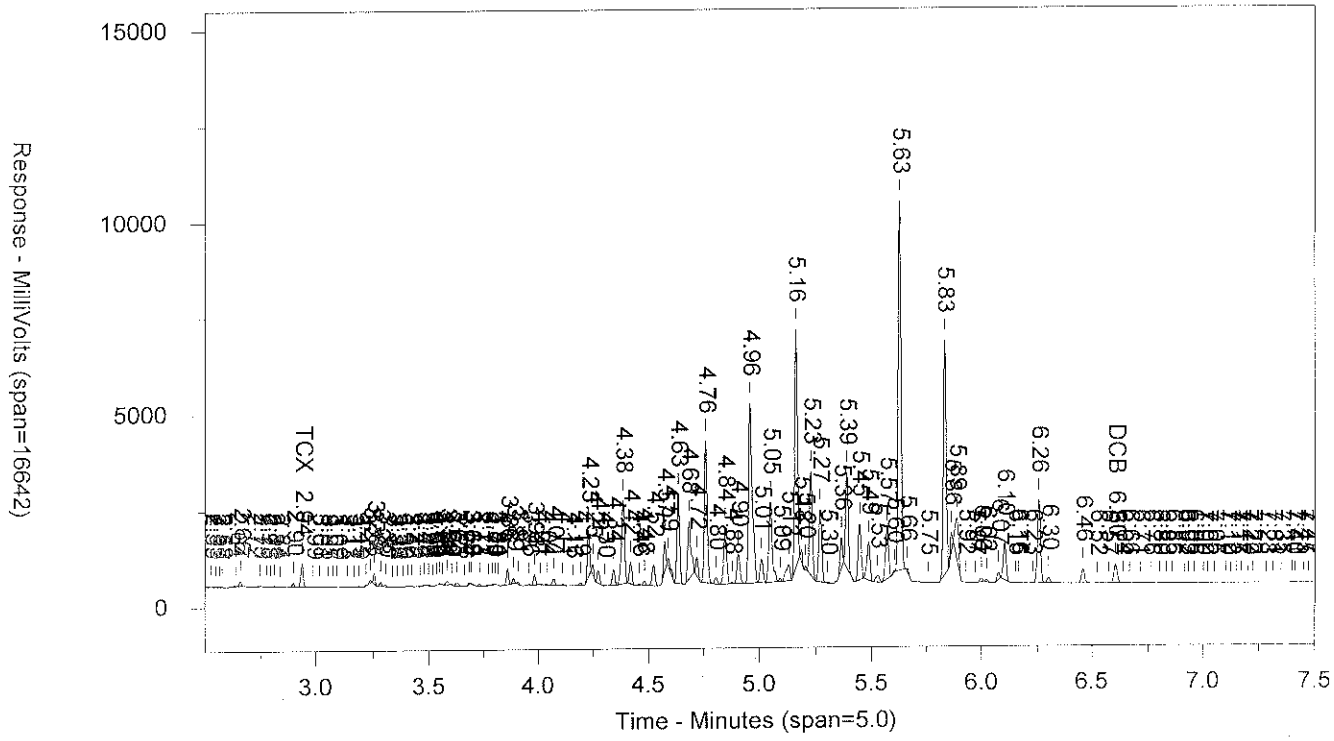

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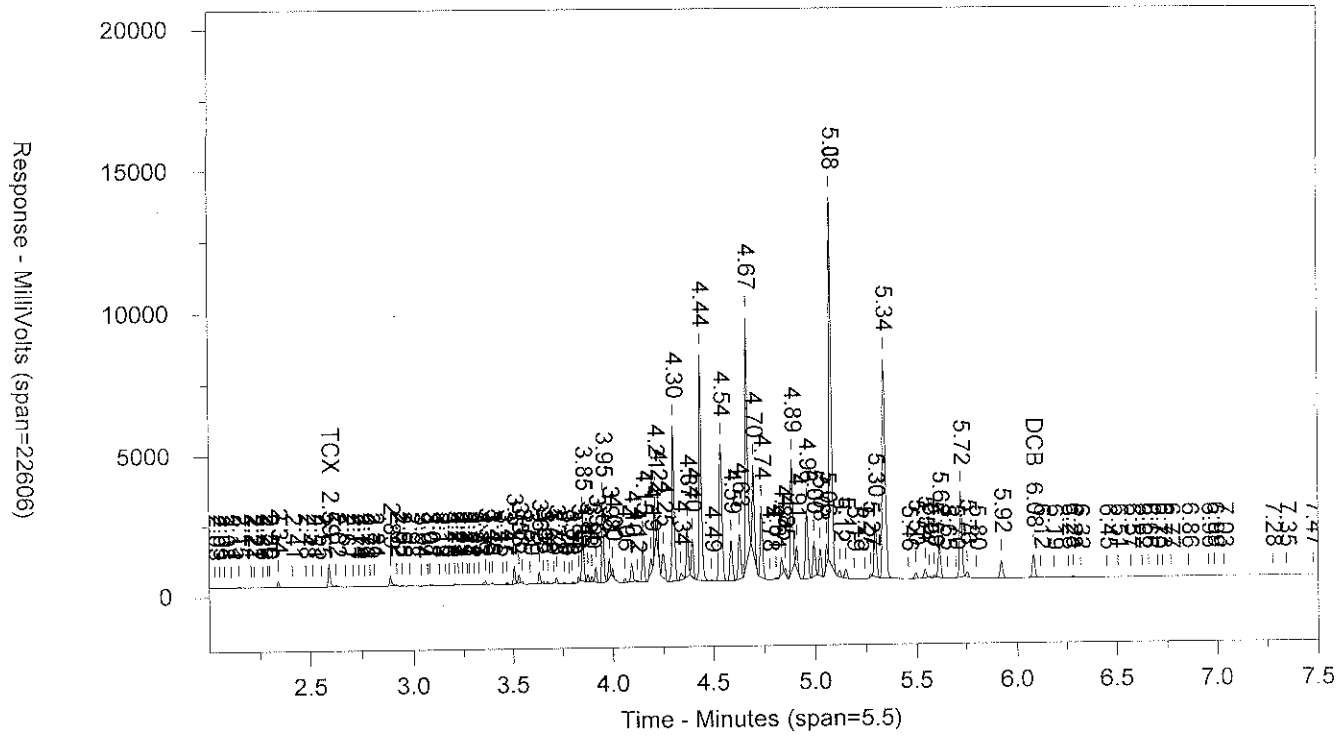

9229463 ACF DF10 AD98A14 T 172820027A 10225 SW-846 8082

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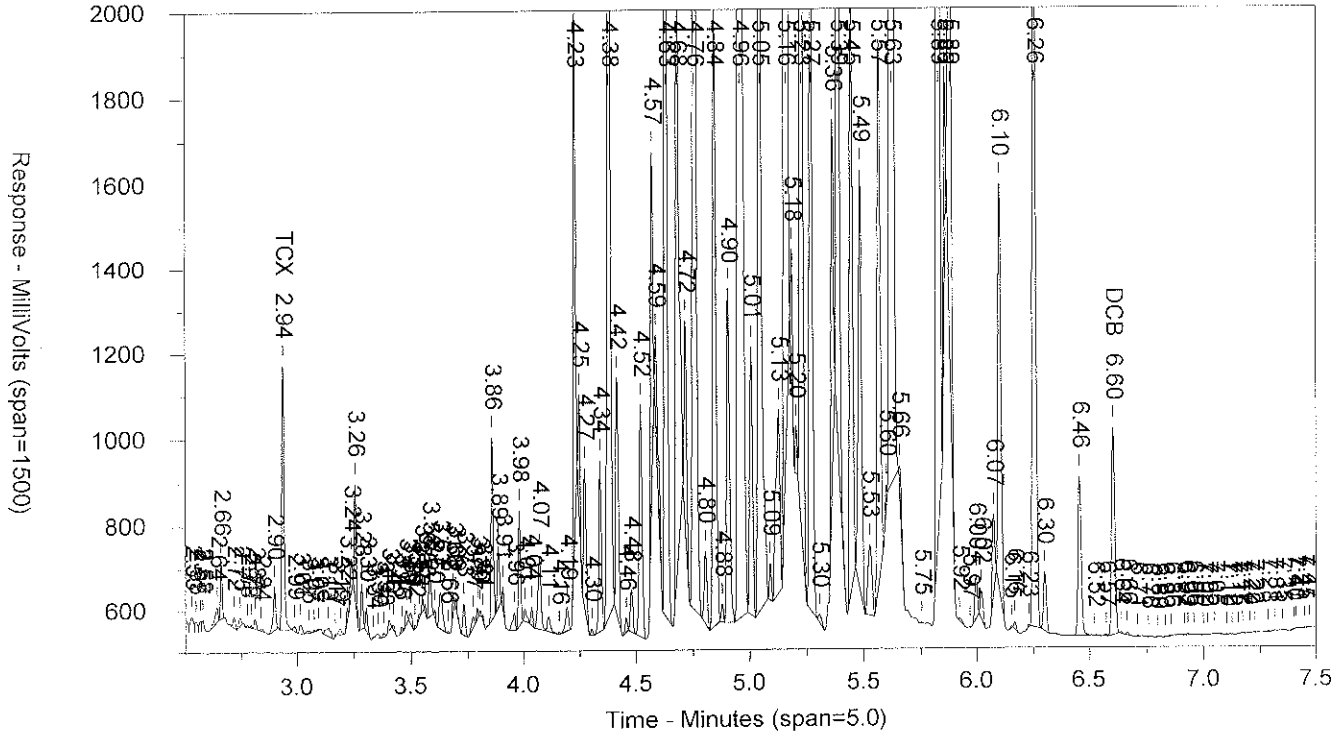

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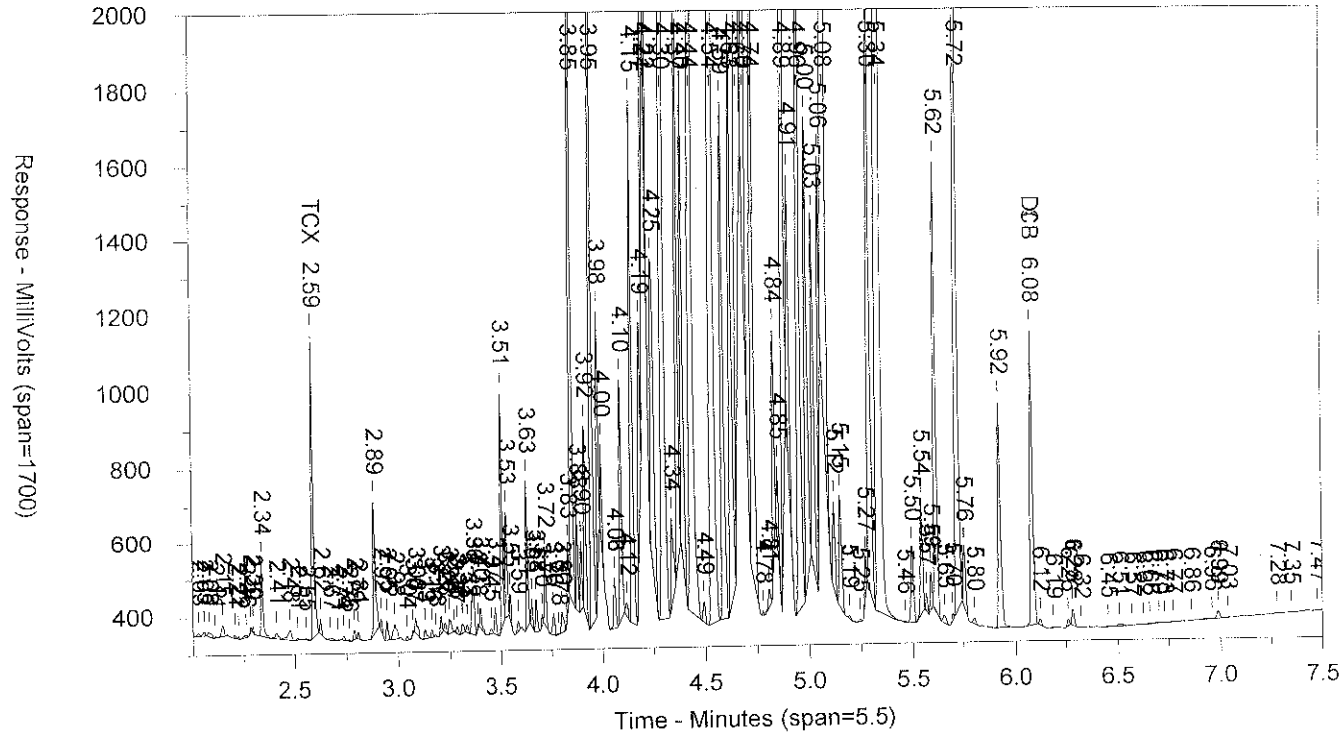

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Data Summary

Sample Name: 9229464 ACF DF50 98A15 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:22:59
Instrument	19843A
Result file	07PCBS17284001.0071.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 95% (61 - 152) Conc: 28.93117
%SSR(DCB) 113% (48 - 164) Conc: 30.43614

Analysis Report (B)

Injected on	Oct 12, 2017 08:22:59
Instrument	19843B
Result file	07PCBS17284001B.0071.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 89% (61 - 152) Conc: 27.15383
%SSR(DCB) 97% (48 - 164) Conc: 26.24392

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	159406	28.93117
Decachlorobiphenyl	6.57	6.60	6.63	123445	30.43614

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	226246	27.15383
Decachlorobiphenyl	6.05	6.08	6.11	199689	26.24392

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	28.93117				6.34	
☑	Tetrachloro-m-xylene-D1	A	28.93117					
☑	Tetrachloro-m-xylene-D2	B	27.15383					
☐	Decachlorobiphenyl	A	30.43614				14.79	
☑	Decachlorobiphenyl-D1	A	30.43614					
☑	Decachlorobiphenyl-D2	B	26.24392					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**31.13**	
4.21	4.23	4.25	2347672	15037.471246			1
4.55	4.57	4.59	1620673	9387.714904			3
5.02	5.04	5.06	2173666	18079.588479			5
Height summation:			**6142011**				
Concentration		CF:	**14168.25821**	L:			
Aroclor-1260						**6.69**	
5.37	5.39	5.41	1344230	8481.240042			4
5.61	5.63	5.65	4402834	8917.590992			5
5.81	5.83	5.85	3242602	9673.771208			6
Height summation:			**8989666**				
Concentration		CF:	**9024.200747**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**15.54**	
4.19	4.21	4.23	8755522	19142.90519			1
4.35	4.37	4.39	4703006	18436.914156			3
4.57	4.59	4.61	2801402	14186.182552			5
Height summation:			**16259930**				
Concentration		CF:	**17255.333966**	L:			
Aroclor-1260						**16.46**	
4.87	4.89	4.91	1935020	7176.16097			4
5.06	5.08	5.10	5929628	9368.226913			5
5.32	5.34	5.36	4106160	9920.842256			6
Height summation:			**11970808**				
Concentration		CF:	**8821.74338**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:10

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229464 ACF DF50 98A15 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:22:59
Instrument	19843A
Result file	07PCBS17284001.0071.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 08:22:59
Instrument	19843B
Result file	07PCBS17284001B.0071.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<2537.3136	<492.5373	D1		4	
☑ PCB-1221			<2537.3136	<761.1941	D1		3	
☑ PCB-1232			<2537.3136	<611.9403	D1		4	
☑ PCB-1242			<2537.3136	<611.9403	D1		4	
☑ PCB-1248			<2537.3136	<492.5373	D1		4	
☑ PCB-1254	A	14168.25821	2537.3136	656.7164	D1	19.65	4	
☑ PCB-1260	A	9024.200747	2537.3136	582.0896	D1	2.27	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229464** ACF DF50 98A15 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0071.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.93117
%SSR(DCB) : 113% (48-164) Conc.: 30.43614

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**86.64**	
3.17	3.19	3.21	45350.07	469.177849			1
+ 3.38	3.40	3.42	126240.4	1245.848097			2
3.38	3.42	3.42	199771.4	1971.514812			2
3.50	3.52	3.54	856537.8	7037.531099			3
3.71	3.74	3.75	965199.2	6526.232537			4
3.77	3.79	3.81	210268.9	1615.058835			5
3.96	3.98	4.00	1122856	11308.643959			6
Height Summation:			**3399983.37**				
Amount Avg CF:			**4821.359848**	Linear:			
Aroclor-1221					**3**	**10.57**	
+ 3.07	3.07	3.11	2750.327	55.214659			1
3.07	3.09	3.11	13573.14	272.489887			1
+ 3.12	3.12	3.16	8772.972	200.903339			2
3.12	3.15	3.16	12924.94	295.984485			2
3.17	3.19	3.21	45350.07	335.488154			3
Height Summation:			**71848.15**				
Amount Avg CF:			**301.320842**	Linear:			
Aroclor-1232					**6**	**95.67**	
3.17	3.19	3.21	45350.07	403.708325			1
+ 3.38	3.40	3.42	126240.4	2766.572873			2
3.38	3.42	3.42	199771.4	4378.013188			2
E 3.50	3.52	3.54	856537.8	15456.736151			3
E 3.71	3.74	3.75	965199.2	14385.555962			4
3.77	3.79	3.81	210268.9	3832.983025			5
E 3.96	3.98	4.00	1122856	29842.891363			6
Height Summation:			**3399983.37**				
Amount Avg CF:			**11383.314669**	Linear:			
Aroclor-1242					**6**	**87.08**	
3.17	3.19	3.21	45350.07	337.0872			1
+ 3.38	3.40	3.42	126240.4	927.641049			2
3.38	3.42	3.42	199771.4	1467.962325			2
3.50	3.52	3.54	856537.8	5283.816418			3
3.71	3.74	3.75	965199.2	4754.613478			4
3.77	3.79	3.81	210268.9	1207.314572			5
3.96	3.98	4.00	1122856	8466.177952			6
Height Summation:			**3399983.37**				
Amount Avg CF:			**3586.161991**	Linear:			
Aroclor-1248					**6**	**51.12**	
3.71	3.74	3.75	965199.2	14641.774407			1
3.77	3.79	3.81	210268.9	2915.247344			2
3.84	3.86	3.88	2081184	16854.573341			3
3.96	3.98	4.00	1122856	8106.120213			4
4.05	4.07	4.09	996662.6	7948.533708			5
4.23	4.23	4.27	2347672	16846.300697			6
+ 4.23	4.25	4.27	1276147	9157.308216			6
Height Summation:			**7723842.7**				
Amount Avg CF:			**11218.758285**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0071.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 89% (61-152) Conc.: 27.15383
%SSR(DCB) : 97% (48-164) Conc.: 26.24392

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**137.77**	
+ 2.86	2.88	2.90	26201.79	186.216017			1
2.86	2.89	2.90	61586.27	437.693376			1
3.19	3.20	3.23	1156104	6549.664569			2
3.38	3.38	3.42	1573060	8659.657945			3
+ 3.38	3.41	3.42	1265486	6966.470379			3
3.45	3.47	3.49	293968.4	1525.702211			4
+ 3.51	3.53	3.55	4973884	34248.360263			5
3.51	3.55	3.55	6256715	43081.469006			5
3.61	3.63	3.65	1456693	8849.274317			6
Height Summation:			**10798126.67**				
Amount Avg CF:			**11517.243571**	Linear:			
Aroclor-1221					**3**	**50.23**	
2.74	2.77	2.78	16727.31	198.480699			1
+ 2.80	2.81	2.84	3646.512	69.536035			2
2.80	2.83	2.84	5331.112	101.659995			2
+ 2.86	2.88	2.90	26201.79	129.27791			3
2.86	2.89	2.90	61586.27	303.862609			3
Height Summation:			**83644.692**				
Amount Avg CF:			**201.334434**	Linear:			
Aroclor-1232					**6**	**145.81**	
+ 2.86	2.88	2.90	26201.79	160.987381			1
2.86	2.89	2.90	61586.27	378.394465			1
E 3.19	3.20	3.23	1156104	14307.029812			2
E 3.38	3.38	3.42	1573060	19316.670202			3
E+ 3.38	3.41	3.42	1265486	15539.760535			3
3.45	3.47	3.49	293968.4	3570.839514			4
E+ 3.51	3.53	3.55	4973884	89294.130448			5
E 3.51	3.55	3.55	6256715	112324.277242			5
E 3.61	3.63	3.65	1456693	22357.567331			6
Height Summation:			**10798126.67**				
Amount Avg CF:			**28709.129761**	Linear:			
Aroclor-1242					**6**	**140.38**	
+ 2.86	2.88	2.90	26201.79	131.201445			1
2.86	2.89	2.90	61586.27	308.383803			1
3.19	3.20	3.23	1156104	4737.110106			2
3.38	3.38	3.42	1573060	6450.954643			3
+ 3.38	3.41	3.42	1265486	5189.625817			3
3.45	3.47	3.49	293968.4	1100.989669			4
E+ 3.51	3.53	3.55	4973884	26329.377255			5
E 3.51	3.55	3.55	6256715	33120.074696			5
3.61	3.63	3.65	1456693	6616.981243			6
Height Summation:			**10798126.67**				
Amount Avg CF:			**8722.415693**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229464** ACF DF50 98A15 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0071.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	44.90	
4.21	4.23	4.25	2347672	15037.471246			1
+ 4.21	4.25	4.25	1276147	8174.065124			1
4.32	4.34	4.36	1687589	32384.151639			2
4.55	4.57	4.59	1620673	9387.714904			3
+ 4.55	4.59	4.59	136018.8	787.886092			3
4.61	4.63	4.65	7427714	21582.154305			4
5.02	5.04	5.06	2173666	18079.588479			5
5.14	5.16	5.18	6584142	34127.729882			6
Height Summation:			**21841456**				
Amount Avg CF:			**21766.468409**	Linear:			
Aroclor-1260					6	43.01	
4.74	4.76	4.78	3260601	13993.049392			1
4.94	4.96	4.98	4335238	18400.796913			2
5.14	5.16	5.18	6584142	22985.124582			3
5.37	5.39	5.41	1344230	8481.240042			4
5.61	5.63	5.65	4402834	8917.590992			5
5.81	5.83	5.85	3242602	9673.771208			6
Height Summation:			**23169647**				
Amount Avg CF:			**13741.928855**	Linear:			
Aroclor-1262					6	35.35	
5.21	5.23	5.25	1482925	4914.728142			1
5.37	5.39	5.41	1344230	6240.859094			2
5.61	5.63	5.65	4402834	7680.891099			3
5.81	5.83	5.85	3242602	7287.997145			4
5.87	5.89	5.91	543527.6	2424.821021			5
6.24	6.25	6.28	1032397	4613.120896			6
Height Summation:			**12048515.6**				
Amount Avg CF:			**5527.069566**	Linear:			
Aroclor-1268					6	95.93	
5.81	5.83	5.85	3242602	3763.687116			1
5.87	5.89	5.91	543527.6	715.894999			2
6.00	6.02	6.04	28015.39	41.706822			3
+ 6.06	6.07	6.10	109571	653.314691			4
6.06	6.10	6.10	713644.4	4255.089124			4
6.23	6.25	6.27	1032397	4217.228761			5
6.43	6.46	6.47	196431.6	112.511384			6
Height Summation:			**5756617.99**				
Amount Avg CF:			**2184.353034**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0071.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	62.46	
3.38	3.38	3.42	1573060	21272.018951			1
+ 3.38	3.41	3.42	1265486	17112.787926			1
3.45	3.47	3.49	293968.4	2683.613641			2
3.49	3.51	3.53	2743908	14701.854322			3
3.61	3.63	3.65	1456693	6568.573197			4
3.70	3.72	3.74	1204909	7506.609612			5
3.84	3.85	3.88	5766244	19012.78563			6
Height Summation:			**13038782.4**				
Amount Avg CF:			**11957.575892**	Linear:			
Aroclor-1254					6	35.04	
4.19	4.21	4.23	8755522	19142.90519			1
4.28	4.30	4.32	5847128	26443.875897			2
4.35	4.37	4.39	4703006	18436.914156			3
4.42	4.44	4.46	6774262	37399.706925			4
4.57	4.59	4.61	2801402	14186.182552			5
4.65	4.67	4.69	9134256	27817.264161			6
Height Summation:			**38015576**				
Amount Avg CF:			**23904.474814**	Linear:			
Aroclor-1260					6	44.84	
4.42	4.44	4.46	6774262	16338.982201			1
4.52	4.54	4.56	3910732	12567.798952			2
4.65	4.67	4.69	9134256	23233.268264			3
4.87	4.89	4.91	1935020	7176.16097			4
5.06	5.08	5.10	5929628	9368.226913			5
5.32	5.34	5.36	4106160	9920.842256			6
Height Summation:			**31790058**				
Amount Avg CF:			**13100.879926**	Linear:			
Aroclor-1262					6	39.50	
4.68	4.70	4.72	1421237	3329.899436			1
4.87	4.89	4.91	1935020	4625.111781			2
5.06	5.08	5.10	5929628	7096.627189			3
5.28	5.30	5.32	934553.9	2746.989513			4
5.33	5.34	5.36	4106160	7448.115642			5
5.71	5.72	5.74	1384343	4273.894367			6
Height Summation:			**15710941.9**				
Amount Avg CF:			**4920.106321**	Linear:			
Aroclor-1268					6	123.96	
5.28	5.30	5.32	934553.9	961.366112			1
5.33	5.34	5.36	4106160	4482.387882			2
5.48	5.50	5.52	221801.1	256.613106			3
5.55	5.57	5.59	13481.02	60.081576			4
5.70	5.72	5.74	1384343	3823.900528			5
5.90	5.92	5.94	311588.2	109.77078			6
Height Summation:			**6971927.22**				
Amount Avg CF:			**1615.686664**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2537.3133	492.5373		** 81.96	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229464 ACF DF50 98A15 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 500 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0071.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:22:59
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0071.RAW
Calibration file : 07PCBS1728401B.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-1221			2537.3133	761.194		39.78	3	40	
Aroclor-1232			2537.3133	611.9403	E	** 86.43	4	40	
Aroclor-1242			2537.3133	611.9403		** 83.46	4	40	
Aroclor-1248			2537.3133	492.5373		6.38	4	40	
Aroclor-1254			2537.3133	656.7164		9.36	4	40	
Aroclor-1260			2537.3133	582.0895		4.78	4	40	
Aroclor-1262			2537.3133	492.5373		11.62	4	40	
Aroclor-1268			2537.3133	492.5373		29.93	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:22:59 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: 07PCBS17284001.0071.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.527		3381	5671
1.582		298918	361053
1.663		42760	50786
1.688		300213	306154
1.736		14004	18511
1.789		4268	2143
1.816		5740	3564
1.836		11663	9078
1.862		7640	6185
1.887		7196	7281
1.927		9339	5079
1.947		12555	9150
1.972		10127	5244
1.993		26294	18973
2.01		48035	51187
2.053		80228	130740
2.083		36902	53559
2.102		25942	20508
2.119		24800	29196
2.14		11978	11337
2.156		4353	2667
2.209		85576	53427
2.232		7297	3902
2.284		13399	22048
2.322		22623	18679
2.336		13882	8678
2.354		18990	11944
2.396		38260	64156
2.435		38758	56184
2.456		46724	72133
2.497		41669	62077
2.526		29077	34337
2.546		14131	9634
2.565		6853	4617
2.64		20498	42777
2.659		47923	26290
2.701		2626	1600
2.716		15881	13626
2.743		21198	18586
2.763		4454	2228
2.795		9541	3706
2.814		16188	13784
2.84		11486	29833
2.9		24447	20302
2.937	TCX	159406	110389
2.985		8426	8028
3.014		16186	18363
3.046		8068	8217
3.071		2750	945
3.09		13573	17233
3.122		8773	7409
3.147		12925	7271
3.167		4465	2583

RT A	Compound A	Height A	Area A
3.189		45350	37351
3.217		4996	2779
3.236		16300	10662
3.257		65928	37765
3.282		54483	37244
3.303		2732	841
3.315		5873	2648
3.334		4687	2293
3.357		8571	7603
3.382		6851	4412
3.403		126240	71912
3.42		199771	123396
3.456		24270	14614
3.483		8783	8420
3.518		856538	590874
3.55		6133	4442
3.585		24499	16228
3.626		49680	26866
3.64		23585	12234
3.695		1764469	2348206
3.739		965199	748199
3.79		210269	153133
3.83		483920	362337
3.858		2081184	1442815
3.884		4138908	2695391
3.906		4038768	2822835
3.98		1122856	804266
4.005		1426433	1033121
4.036		2031645	1512566
4.07		996663	885707
4.115		344980	293823
4.142		207862	144245
4.16		17479	7488
4.195		392043	314806
4.229		2347672	1603321
4.248		1276147	696866
4.271		4733993	3867135
4.312		15015	9242
4.341		1687589	1417450
4.382		4832102	5197700
4.418		2935052	2387987
4.457		638431	474309
4.48		472751	334352
4.522		1352147	1184382
4.571		1620673	1215341
4.588		136019	51447
4.602		408308	221436
4.633		7427715	6129088
4.682		1121433	855359
4.696		97462	46089
4.717		461496	289896
4.737		137940	67224
4.758		3260601	2938653
4.803		739359	660188
4.845		4110926	3959299
4.876		54214	32165
4.905		843425	827648
4.956		4335239	5179696
5.007		375425	326929
5.044		2173666	2350389
5.089		332328	243060
5.127		484809	616155
5.16		6584143	5668076
5.183		329620	173275
5.202		196750	101843
5.227		1482925	1237309

RT A	Compound A	Height A	Area A
5.27		992892	990051
5.312		8367	7211
5.342		11910	8002
5.366		1134436	901112
5.389		1344230	1065782
5.446		826309	755531
5.484		720648	705422
5.526		95642	111065
5.566		1343598	1270768
5.6		224393	173820
5.626		4402835	4026077
5.662		54171	37797
5.714		5808	3803
5.775		1438	848
5.788		7589	3959
5.831		3242602	2994625
5.86		361149	251405
5.885		543528	529599
5.996		165884	140234
6.02		28015	19433
6.05		15021	10206
6.072		109571	82482
6.1		713644	681851
6.166		68337	68447
6.197		3215	1279
6.228		63958	44876
6.255		1032397	962779
6.299		63522	60588
6.373		2693	1404
6.424		2896	2488
6.455		196432	192215
6.548		1259	383
6.569		14691	11937
6.602	DCB	123445	117222
6.637		34193	29843
6.762		5675	5291
6.831		1575	502
6.879		2428	4133
6.995		1592	415
7.105		3085	2796
7.231		1643	2300
7.271		3209	3343
7.372		1252	1488
7.401		2553	2435
7.472		1600	709
7.504		1151	750
7.537		1429	797
7.668		1373	1708
7.729		2112	1945
7.767		1288	558
7.789		950	284
7.878		1402	802
7.953		10202	16912
8.009		1227	1097
8.038		1907	1109
8.114		1227	1268
8.187		991	349
8.213		1571	345
8.272		1540	1545
8.3		2077	626
8.386		1007	984
8.434		1083	1635
8.47		1421	902
8.523		1320	446
8.552		1380	665
8.63		1389	852

LANCASTER LABORATORIES

Sample Number: 9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:22:59 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: 07PCBS17284001B.0071.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.529		6077	3633
1.554		9703	8359
1.583		6196	5465
1.622		7940	10029
1.688		14098	20427
1.711		11930	12389
1.743		7868	5478
1.771		40989	38826
1.792		9241	6102
1.853		10577	8856
1.879		12566	7335
1.901		19511	16818
1.932		127621	97475
1.958		17499	15853
1.977		14320	14529
2.026		15447	15743
2.053		14470	17150
2.078		15711	27105
2.136		3786	1804
2.15		7855	4677
2.166		4786	2910
2.207		8901	4980
2.224		5893	8741
2.267		7344	6910
2.287		3850	1812
2.297		7584	2975
2.341		83300	63947
2.421		7554	9165
2.439		6632	3545
2.465		10820	6977
2.482		12021	6715
2.514		14805	17846
2.542		4959	3291
2.567		4265	2364
2.592	TCX	226246	141104
2.636		7852	3381
2.652		6608	3348
2.683		10037	12251
2.708		3577	2144
2.738		6837	5458
2.766		16727	10122
2.789		7628	3684
2.81		3647	2078
2.826		5331	2287
2.847		4245	1795
2.877		26202	11989
2.888		61586	28540
2.925		4588	3069
2.95		5846	3057
2.987		69230	58501
3.048		7752	7881
3.084		95502	45684
3.096		207224	103821
3.135		41636	24414

3.158	7880	5142
3.181	15221	7368
3.204	1156104	751044
3.244	13932	10430
3.291	136552	133212
3.333	7313	3838
3.364	1907023	1419678
3.383	1573060	900480
3.414	1265486	781863
3.47	293968	257530
3.506	2743908	1709951
3.529	4973884	2677180
3.547	6256715	3476755
3.631	1456693	847709
3.654	1746670	984954
3.675	2673267	1699798
3.72	1204909	886044
3.759	389168	317386
3.81	238247	256688
3.831	334428	196327
3.853	5766245	3708238
3.878	3938547	2299750
3.897	1890819	1005716
3.917	1800142	1092409
3.952	6079300	4191969
3.983	3252008	2017744
4	890536	419056
4.023	812502	507935
4.061	732713	581359
4.095	1383549	958424
4.116	119696	67051
4.152	2783908	2056725
4.186	795218	726007
4.212	8755522	7053212
4.249	920080	828821
4.303	5847128	4943570
4.34	1033276	839257
4.372	4703006	3249060
4.396	1513553	1061313
4.439	6774262	5704304
4.493	43381	33447
4.539	3910732	4206770
4.589	2801402	2298342
4.63	1596710	1405892
4.668	9134256	7720504
4.7	1421237	1024530
4.738	1265517	993637
4.796	30365	17743
4.808	22964	11260
4.837	231344	149801
4.854	347014	231747
4.888	1935020	1416521
4.911	1731779	1241690
4.961	1473860	1301542
4.997	736012	611699
5.027	538067	422411
5.06	1394124	924558
5.082	5929629	4683354
5.123	127914	86106
5.154	182593	153737
5.218	6995	4517
5.253	1962	1024
5.274	43580	26360
5.297	934554	832955
5.341	4106160	4499016
5.441	8159	6316
5.497	221801	189036

5.544		178589	178392
5.566		13481	6218
5.589		413851	308633
5.616		614293	496579
5.66		21266	20299
5.697		101365	69660
5.725		1384343	1189407
5.756		85149	62153
5.802		14569	15043
5.925		311588	281189
6.061		18815	11087
6.084	DCB	199689	167319
6.121		75897	68937
6.214		9876	12529
6.258		5655	3714
6.284		27449	23888
6.318		2152	1500
6.353		2247	2062
6.42		1070	826
6.451		3911	3911
6.513		4053	5100
6.618		3657	4083
6.73		1854	1750
6.85		1287	1447
6.986		4125	7064
7.128		2013	8073
7.461		2157	3245
7.514		17187	22354
7.589		2103	3041
8.07		3447	6569
8.165		10030	18250

9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082

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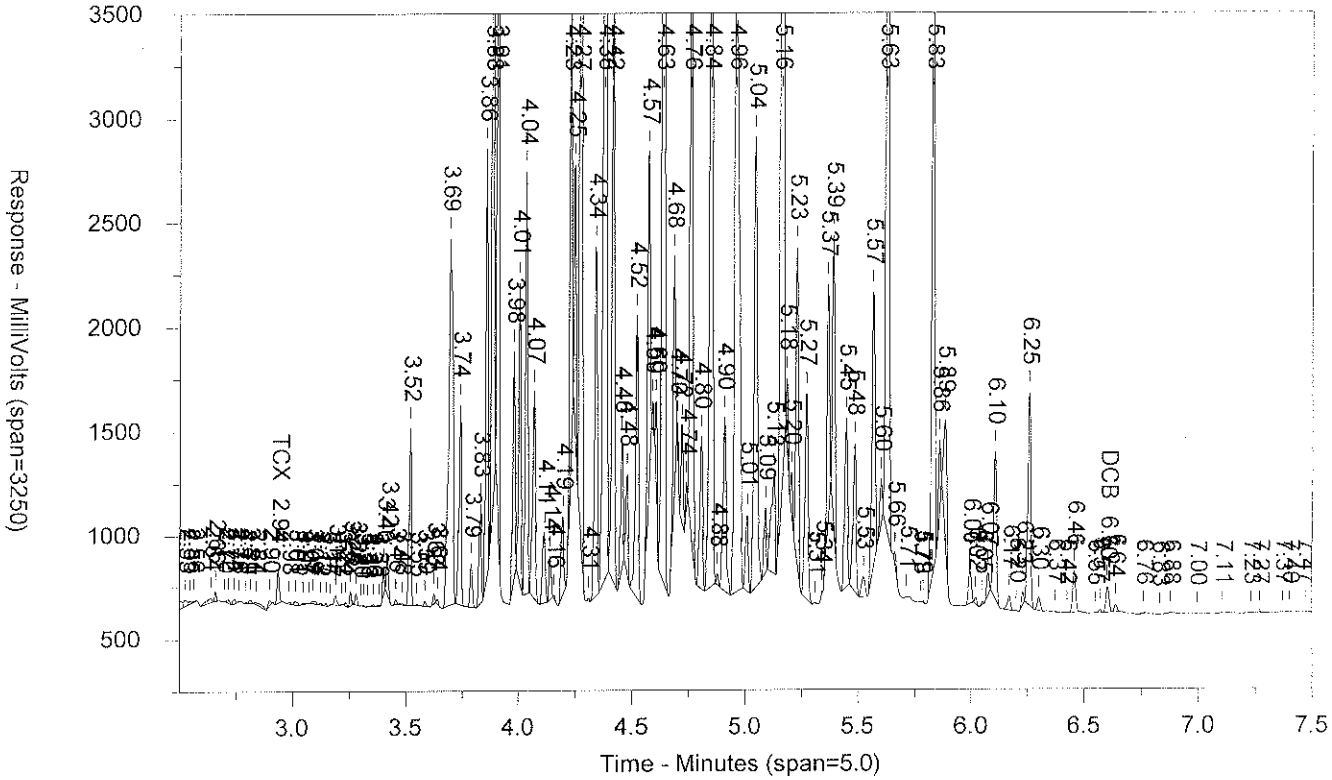

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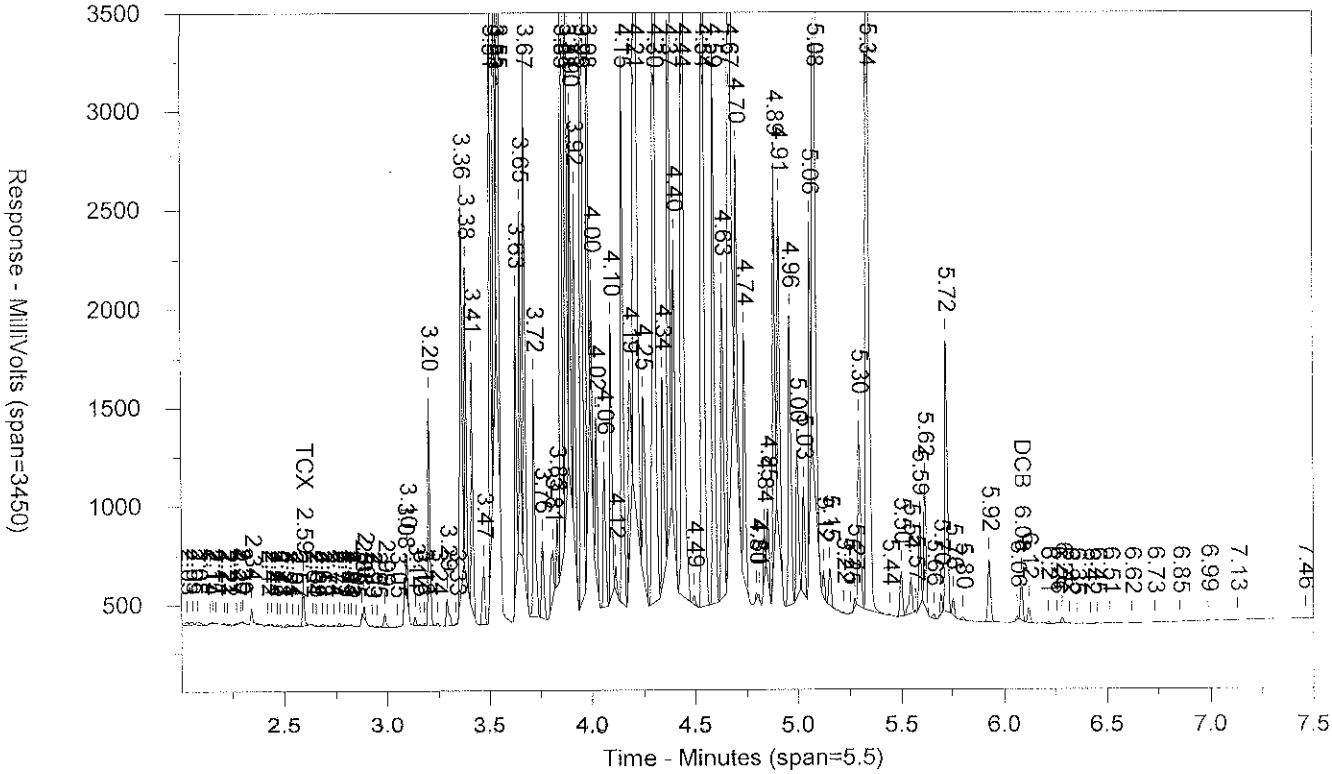

LANCASTER LABORATORIES

Sample Number: 9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:22:59 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: 10.05
Dilution Factor: 500

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	159406	28.931	TCX	2.592	226246	27.154	TCX
6.602	123445	30.436	DCB	6.084	199689	26.244	DCB

Files:
Area File: 07PCBS17284001.0071.RAW
Area File: 07PCBS17284001B.0071.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:37:42 AM

9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082

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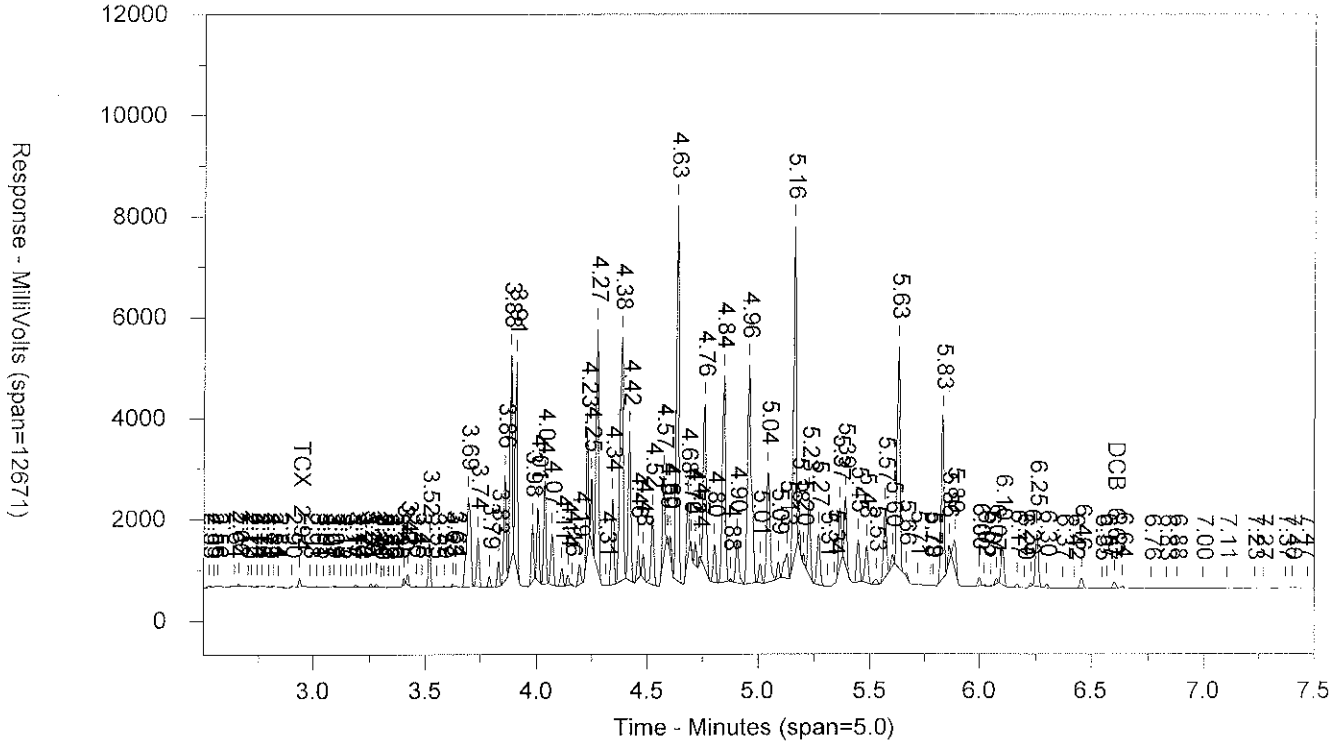

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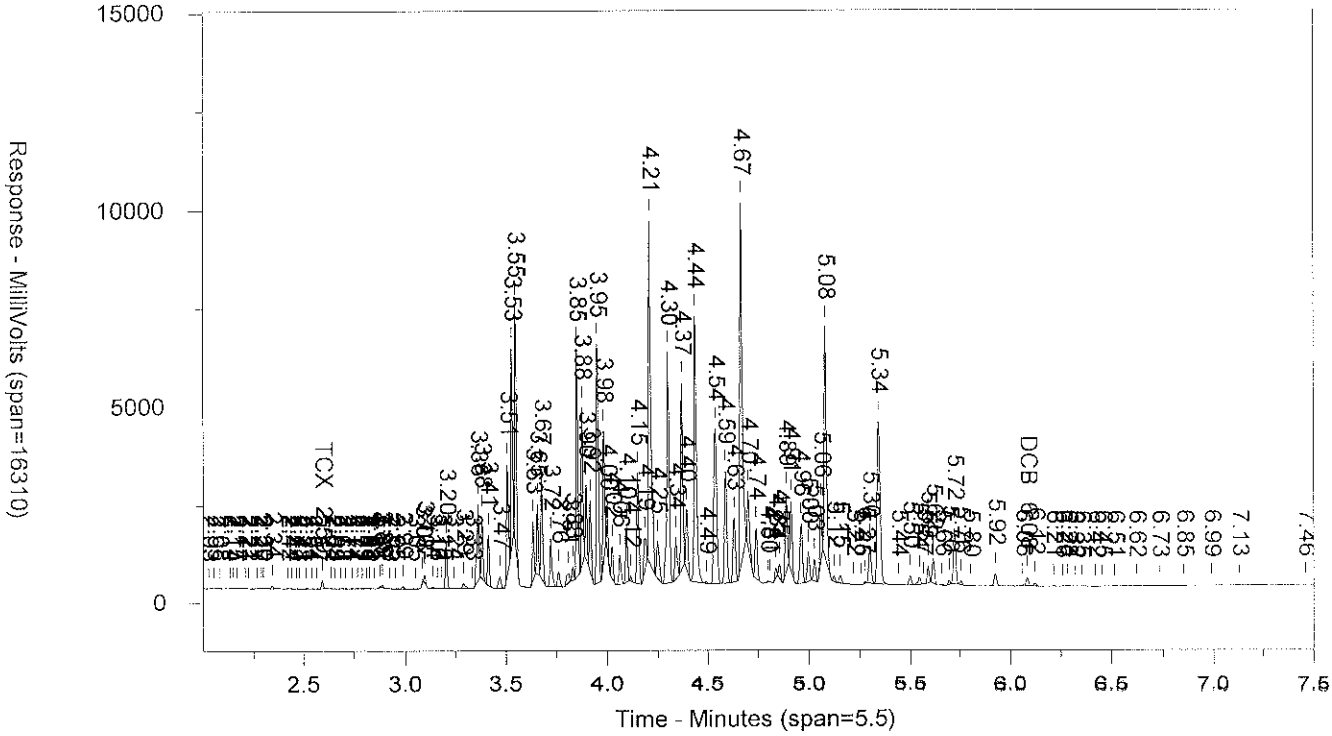

9229464 ACF DF50 AC98A15 T 172820027A 10225 SW-846 8082

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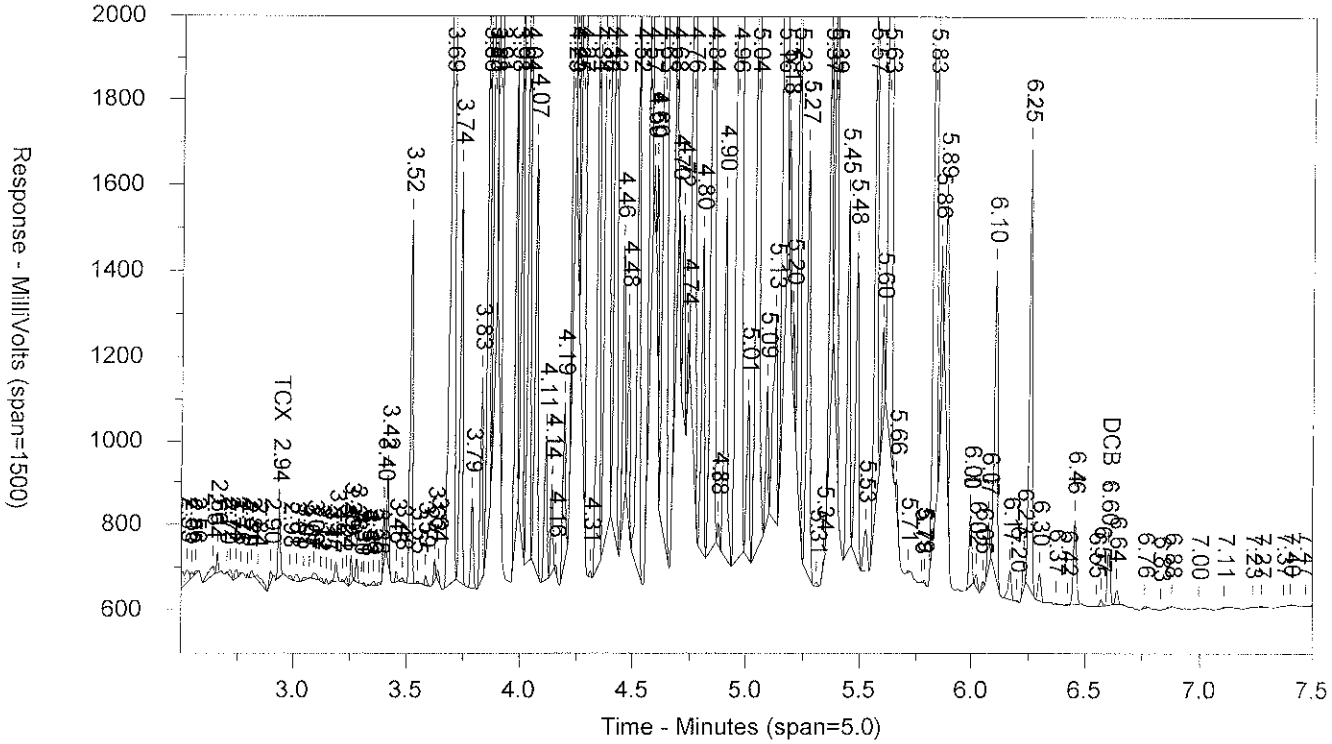

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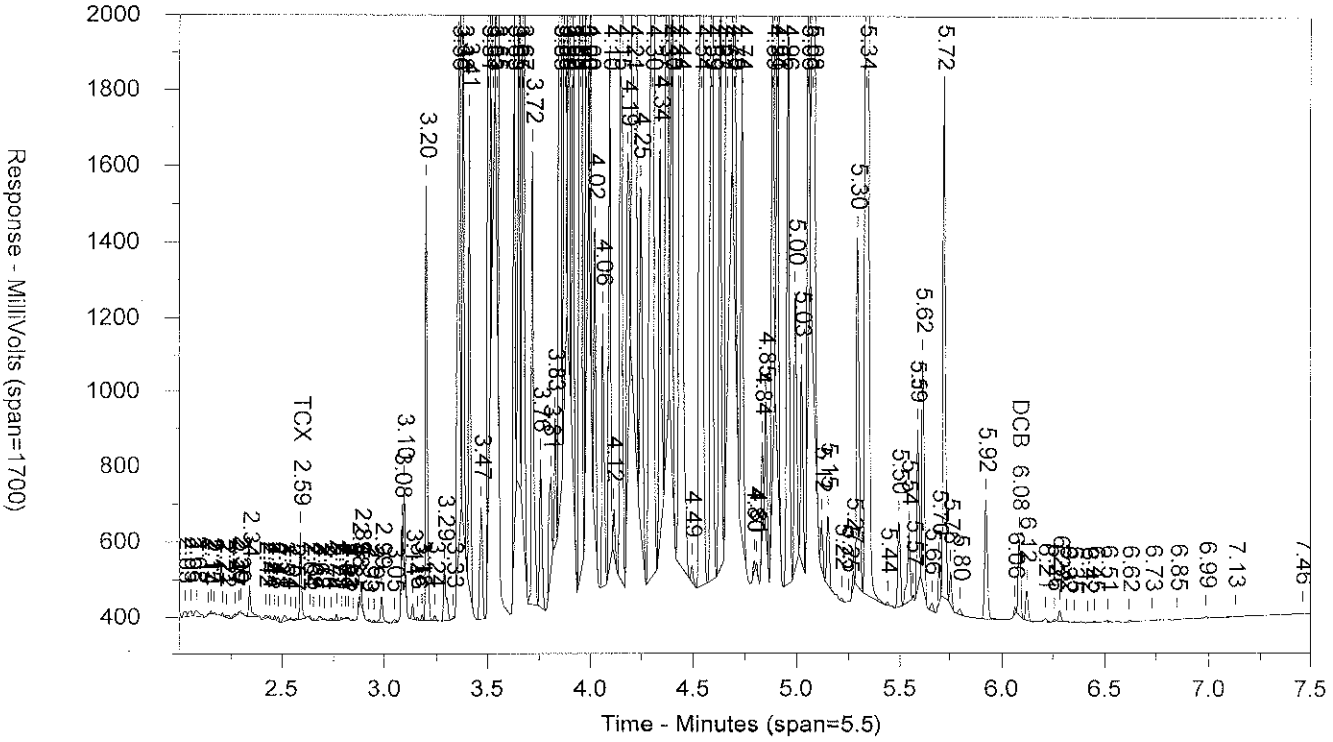

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229465 ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**

Sample Amount: 10.1 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:34:27
Instrument	19843A
Result file	07PCBS17284001.0072.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) * 154% (61 - 152) Conc: 46.66633

%SSR(DCB) * 185% (48 - 164) Conc: 49.60421

Analysis Report (B)

Injected on	Oct 12, 2017 08:34:27
Instrument	19843B
Result file	07PCBS17284001B.0072.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 139% (61 - 152) Conc: 41.94594

%SSR(DCB) 139% (48 - 164) Conc: 37.34835

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	646006	46.66633
Decachlorobiphenyl	6.57	6.60	6.63	505472	49.60421

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	878081	41.94594
Decachlorobiphenyl	6.05	6.09	6.11	713991	37.34835

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	46.66633				10.65	
☑	Tetrachloro-m-xylene-D1	A	46.66633					
☑	Tetrachloro-m-xylene-D2	B	41.94594					
☐	Decachlorobiphenyl	A	49.60421				28.19	
☑	Decachlorobiphenyl-D1	A	49.60421					
☑	Decachlorobiphenyl-D2	B	37.34835					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.65**	
4.74	4.76	4.78	6075918	10378.421219			1
4.94	4.96	4.98	7411021	12520.060011			2
5.14	5.16	5.18	11888470	16518.793297			3
5.37	5.39	5.41	3823604	9602.036623			4
5.61	5.63	5.65	13321020	10738.840636			5
5.81	5.83	5.85	8912563	10583.016119			6

Height summation: **51432596**

Concentration CF: **11723.527984** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.82**	
4.42	4.44	4.46	11905490	11429.17715			1
4.52	4.54	4.56	7832074	10018.036994			2
4.65	4.67	4.69	15019490	15205.370027			3
4.87	4.89	4.91	5526304	8157.29493			4
5.06	5.08	5.10	18628030	11713.901318			5
5.32	5.34	5.36	11160890	10732.877767			6

Height summation: **70072278**

Concentration CF: **11209.443031** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1009.901	<196.0396	D1		4	
☑	PCB-1221			<1009.901	<302.9703	D1		3	
☑	PCB-1232			<1009.901	<243.5644	D1		4	
☑	PCB-1242			<1009.901	<243.5644	D1		4	
☑	PCB-1248			<1009.901	<196.0396	D1		4	
☑	PCB-1254			<1009.901	<261.3861	D1		4	
☑	PCB-1260	A	11723.527984	1009.901	231.6832	D1	4.48	4	

Units: ug/kg

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

Valerie L. Tomalyka
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229465 ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.1 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0072.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *154% (61-152) Conc.: 46.66633
%SSR(DCB) : *185% (48-164) Conc.: 49.60421

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**135.07**	
3.17	3.19	3.21	15523.68	63.923258			1
+ 3.38	3.40	3.42	34900.09	137.087532			2
3.38	3.42	3.42	35523.89	139.537818			2
3.50	3.52	3.54	129407.6	423.192786			3
3.71	3.74	3.75	187675.1	505.076225			4
3.77	3.79	3.81	67346.27	205.888235			5
3.96	3.98	4.00	533877.9	2140.095185			6
Height Summation:			**969354.44**				
Amount Avg CF:			**579.618918**	Linear:			
Aroclor-1221					**3**	**39.98**	
3.07	3.07	3.11	10745.21	85.859755			1
+ 3.07	3.10	3.11	5994.831	47.901783			1
3.12	3.15	3.16	11971.32	109.115672			2
3.17	3.19	3.21	15523.68	45.708671			3
Height Summation:			**38240.21**				
Amount Avg CF:			**80.228033**	Linear:			
Aroclor-1232					**6**	**147.88**	
3.17	3.19	3.21	15523.68	55.003345			1
+ 3.38	3.40	3.42	34900.09	304.42126			2
3.38	3.42	3.42	35523.89	309.862448			2
3.50	3.52	3.54	129407.6	929.470739			3
3.71	3.74	3.75	187675.1	1113.32262			4
3.77	3.79	3.81	67346.27	488.629946			5
E 3.96	3.98	4.00	533877.9	5647.593852			6
Height Summation:			**969354.44**				
Amount Avg CF:			**1423.980492**	Linear:			
Aroclor-1242					**6**	**135.81**	
3.17	3.19	3.21	15523.68	45.926533			1
+ 3.38	3.40	3.42	34900.09	102.073457			2
3.38	3.42	3.42	35523.89	103.897905			2
3.50	3.52	3.54	129407.6	317.735433			3
3.71	3.74	3.75	187675.1	367.967616			4
3.77	3.79	3.81	67346.27	153.908862			5
3.96	3.98	4.00	533877.9	1602.175003			6
Height Summation:			**969354.44**				
Amount Avg CF:			**431.935225**	Linear:			
Aroclor-1248					**6**	**93.96**	
3.71	3.74	3.75	187675.1	1133.1518			1
3.77	3.79	3.81	67346.27	371.636698			2
3.84	3.86	3.88	917638	2957.89909			3
3.96	3.98	4.00	533877.9	1534.036167			4
4.05	4.07	4.09	415538.2	1319.02945			5
4.23	4.23	4.27	2181335	6230.087914			6
+ 4.23	4.25	4.27	442047.2	1262.526351			6
Height Summation:			**4303410.47**				
Amount Avg CF:			**2257.640187**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0072.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 139% (61-152) Conc.: 41.94594
%SSR(DCB) : 139% (48-164) Conc.: 37.34835

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**91.36**	
2.86	2.89	2.90	269938	763.580409			1
3.19	3.20	3.23	193909	437.244949			2
3.38	3.38	3.42	312662.4	685.07132			3
+ 3.38	3.41	3.42	209554.6	459.152896			3
3.45	3.47	3.49	102836.8	212.433185			4
+ 3.51	3.53	3.55	1045801	2866.143053			5
3.51	3.55	3.55	1070827	2934.729807			5
3.61	3.63	3.65	684103.1	1654.115619			6
Height Summation:			**2634276.3**				
Amount Avg CF:			**1114.529215**	Linear:			
Aroclor-1221					**3**	**125.02**	
2.74	2.76	2.78	7591.474	35.852791			1
2.80	2.81	2.84	11400.62	86.529745			2
2.86	2.89	2.90	269938	530.105202			3
Height Summation:			**288930.094**				
Amount Avg CF:			**217.495913**	Linear:			
Aroclor-1232					**6**	**109.76**	
2.86	2.89	2.90	269938	660.130165			1
3.19	3.20	3.23	193909	955.114029			2
3.38	3.38	3.42	312662.4	1528.154673			3
+ 3.38	3.41	3.42	209554.6	1024.20963			3
3.45	3.47	3.49	102836.8	497.190609			4
E+ 3.51	3.53	3.55	1045801	7472.75927			5
E 3.51	3.55	3.55	1070827	7651.582272			5
E 3.61	3.63	3.65	684103.1	4179.099889			6
Height Summation:			**2634276.3**				
Amount Avg CF:			**2578.545273**	Linear:			
Aroclor-1242					**6**	**94.41**	
2.86	2.89	2.90	269938	537.992676			1
3.19	3.20	3.23	193909	316.241762			2
3.38	3.38	3.42	312662.4	510.339328			3
+ 3.38	3.41	3.42	209554.6	342.042899			3
3.45	3.47	3.49	102836.8	153.297767			4
+ 3.51	3.53	3.55	1045801	2203.427			5
3.51	3.55	3.55	1070827	2256.15497			5
3.61	3.63	3.65	684103.1	1236.853061			6
Height Summation:			**2634276.3**				
Amount Avg CF:			**835.146594**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229465 ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.1 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0072.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	75.27	
4.21	4.23	4.25	2181335	5561.147789			1
4.32	4.34	4.36	1050172	8021.044996			2
4.55	4.57	4.59	1436964	3312.95138			3
+ 4.55	4.59	4.59	280266	646.159285			3
4.61	4.63	4.65	6435260	7442.355267			4
5.02	5.05	5.06	3538339	11713.855095			5
E 5.14	5.16	5.18	11888470	24526.685231			6
Height Summation:			**26530540**				
Amount Avg CF:			**10096.33996**	Linear:			
Aroclor-1260					6	21.65	
4.74	4.76	4.78	6075918	10378.421219			1
4.94	4.96	4.98	7411021	12520.060011			2
5.14	5.16	5.18	11888470	16518.793297			3
5.37	5.39	5.41	3823604	9602.036623			4
5.61	5.63	5.65	13321020	10738.840636			5
5.81	5.83	5.85	8912563	10583.016119			6
Height Summation:			**51432596**				
Amount Avg CF:			**11723.527984**	Linear:			
Aroclor-1262					6	36.55	
E 5.21	5.23	5.25	4245522	5600.361844			1
E 5.37	5.39	5.41	3823604	7065.589145			2
E 5.61	5.63	5.65	13321020	9249.568132			3
E 5.81	5.83	5.85	8912563	7973.001388			4
5.87	5.89	5.91	1550617	2753.38731			5
E 6.24	6.26	6.28	2892434	5144.180984			6
Height Summation:			**34745760**				
Amount Avg CF:			**6297.681467**	Linear:			
Aroclor-1268					6	96.27	
E 5.81	5.83	5.85	8912563	4117.438852			1
5.87	5.89	5.91	1550617	812.899669			2
6.00	6.02	6.04	84488.37	50.062443			3
+ 6.06	6.07	6.10	252283.3	598.714783			4
6.06	6.10	6.10	1369424	3249.895623			4
E 6.23	6.26	6.27	2892434	4702.713952			5
6.43	6.46	6.47	515731.7	117.574629			6
Height Summation:			**15325258.07**				
Amount Avg CF:			**2175.097528**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0072.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	85.57	
3.38	3.38	3.42	312662.4	1682.843617			1
+ 3.38	3.41	3.42	209554.6	1127.886247			1
3.45	3.47	3.49	102836.8	373.656529			2
3.49	3.51	3.53	1187908	2533.320022			3
3.61	3.63	3.65	684103.1	1227.804578			4
+ 3.70	3.70	3.74	29064.72	72.070976			5
3.70	3.72	3.74	451412.5	1119.354997			5
3.84	3.85	3.88	4028322	5286.662589			6
Height Summation:			**6767244.8**				
Amount Avg CF:			**2037.273722**	Linear:			
Aroclor-1254					6	66.02	
+ 4.19	4.19	4.23	857427.1	746.152657			1
4.19	4.21	4.23	7141964	6215.100287			1
4.28	4.30	4.32	9361912	16852.011353			2
4.35	4.37	4.39	3456714	5393.625999			3
E 4.42	4.44	4.46	11905490	26161.230273			4
4.57	4.59	4.61	2807426	5658.523277			5
4.65	4.67	4.69	15019490	18205.4367			6
Height Summation:			**49692996**				
Amount Avg CF:			**13080.987982**	Linear:			
Aroclor-1260					6	20.82	
4.42	4.44	4.46	11905490	11429.17715			1
4.52	4.54	4.56	7832074	10018.036994			2
4.65	4.67	4.69	15019490	15205.370027			3
4.87	4.89	4.91	5526304	8157.29493			4
5.06	5.08	5.10	18628030	11713.901318			5
5.32	5.34	5.36	11160890	10732.877767			6
Height Summation:			**70072278**				
Amount Avg CF:			**11209.443031**	Linear:			
Aroclor-1262					6	38.40	
E 4.68	4.70	4.72	4536642	4230.617885			1
E 4.87	4.89	4.91	5526304	5257.463014			2
E 5.06	5.08	5.10	18628030	8873.524452			3
5.28	5.30	5.32	2694456	3152.306392			4
E 5.33	5.34	5.36	11160890	8057.754848			5
E 5.71	5.73	5.74	4203548	5165.362023			6
Height Summation:			**46749870**				
Amount Avg CF:			**5789.504769**	Linear:			
Aroclor-1268					6	126.18	
5.28	5.30	5.32	2694456	1103.215184			1
E 5.33	5.34	5.36	11160890	4849.277915			2
5.48	5.50	5.52	279828.3	128.858019			3
5.55	5.57	5.59	50716.83	89.965365			4
E 5.70	5.73	5.74	4203548	4621.506494			5
5.90	5.93	5.94	810294.8	113.619658			6
Height Summation:			**19199733.93**				
Amount Avg CF:			**1817.740439**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229465 ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.1 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0072.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:34:27
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0072.RAW
Calibration file : 07PCBS1728401B.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			1009.9009	196.0396		** 63.15	4	40	
Aroclor-1221			1009.9009	302.9703		** 92.21	3	40	
Aroclor-1232			1009.9009	243.5643	E	** 57.69	4	40	
Aroclor-1242			1009.9009	243.5643		** 63.64	4	40	
Aroclor-1248			1009.9009	196.0396		10.26	4	40	
Aroclor-1254			1009.9009	261.3861	E	25.75	4	40	
Aroclor-1260			1009.9009	231.6832		4.48	4	40	
Aroclor-1262			1009.9009	196.0396	E	8.41	4	40	
Aroclor-1268			1009.9009	196.0396	E	17.90	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:34:27 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: 07PCBS17284001.0072.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.523		5482	7424
1.582		246953	290211
1.635		105613	166282
1.662		99668	124490
1.688		171863	234262
1.716		92591	99052
1.737		100751	150572
1.76		98086	175437
1.789		92962	101643
1.818		88685	92873
1.837		93714	110755
1.86		90187	116712
1.883		85680	121541
1.906		78459	110473
1.929		85055	80516
1.947		84485	109079
1.972		67116	76609
1.993		73962	73719
2.011		76113	74516
2.052		106910	270232
2.116		88122	182635
2.142		100963	106117
2.157		84248	112458
2.185		69106	69261
2.209		247272	241407
2.23		80995	64779
2.245		76684	80798
2.282		72867	170669
2.322		77646	81493
2.335		74058	61591
2.355		51815	48940
2.373		43723	31711
2.402		68077	142386
2.435		52598	69097
2.457		55284	82646
2.498		45988	70428
2.53		46873	59041
2.546		34808	28888
2.57		35324	57840
2.616		4666	1663
2.641		28494	22457
2.659		192996	128721
2.718		25811	21425
2.746		15220	15614
2.761		7218	2641
2.794		5996	2510
2.813		26089	18659
2.839		8898	6043
2.862		8442	9685
2.899		67518	46765
2.937	TCX	646006	465174
2.986		11394	10197
3.013		17145	17697

RT A	Compound A	Height A	Area A
3.067		10745	21479
3.098		5995	5663
3.119		15876	16302
3.147		11971	5503
3.165		7579	3397
3.189		15524	19630
3.218		7324	3743
3.239		14923	10120
3.256		174709	107138
3.283		32779	21509
3.303		6782	2885
3.334		4307	2055
3.356		8867	8134
3.382		8858	5120
3.404		34900	21405
3.421		35524	22426
3.457		3408	2093
3.478		23933	28074
3.519		129408	82836
3.549		10374	5323
3.592		13825	15145
3.626		25806	28538
3.696		57240	30930
3.703		75745	38153
3.739		187675	155829
3.766		4397	3716
3.79		67346	46289
3.831		90733	66671
3.858		917638	646555
3.885		818017	538936
3.907		716417	488150
3.945		822	181
3.981		533878	380722
4.006		315476	212535
4.037		435220	326071
4.07		415538	367078
4.113		106509	97035
4.143		57944	39775
4.194		139344	103193
4.229		2181335	1555528
4.248		442047	215303
4.273		1454338	1209842
4.341		1050172	832925
4.384		4054634	4117901
4.418		1776955	1466525
4.458		247632	181434
4.48		252069	184536
4.522		1171141	1035540
4.572		1436964	1026975
4.589		280266	121778
4.602		261988	144222
4.633		6435260	5367117
4.682		2510994	2673555
4.718		704920	487388
4.758		6075918	5579314
4.804		437225	379307
4.844		3219077	3040577
4.876		77036	48093
4.905		1435850	1260486
4.956		7411021	8845384
5.007		935243	836733
5.046		3538339	3730900
5.09		282927	192275
5.128		727470	923024
5.161		11888470	9837818
5.184		575583	271580

RT A	Compound A	Height A	Area A
5.202		209435	103301
5.228		4245523	3644595
5.27		2646395	2537022
5.366		1724544	1293649
5.39		3823605	3040807
5.447		2202082	1931284
5.485		1411107	1338916
5.527		202477	234762
5.569		1859603	1894140
5.601		97033	76348
5.627		13321020	12422810
5.714		20558	22031
5.772		5779	4422
5.831		8912563	8042867
5.862		717444	480938
5.888		1550617	1634964
5.926		12239	14231
5.997		149666	120028
6.022		84488	67046
6.05		6286	3060
6.073		252283	190136
6.102		1369425	1288099
6.139		1461	753
6.168		39495	31826
6.229		24296	16524
6.257		2892434	2852807
6.301		194336	181854
6.348		2861	1930
6.423		1017	487
6.458		515732	536867
6.571		10483	8006
6.603	DCB	505472	500219
6.639		16628	12553
6.664		5642	4874
6.726		2255	1452
6.763		3113	2133
6.802		1501	851
6.848		5320	5665
6.888		1090	420
6.933		2744	1999
6.974		3396	3358
7.112		4559	5691
7.16		2235	1651
7.217		1611	2378
7.284		3766	3309
7.312		2177	1860
7.355		2385	1763
7.414		3175	5370
7.467		2451	2310
7.515		2391	1214
7.561		2202	3190
7.592		1396	469
7.621		2005	1262
7.645		1297	525
7.683		1279	375
7.725		1566	1054
7.74		1974	1058
7.784		2515	2414
7.84		2067	2336
7.871		1591	1142
7.902		1292	409
7.954		30752	53478
8.045		2163	3346
8.1		1985	1676
8.166		1674	1110
8.178		1922	856

RT A	Compound A	Height A	Area A
8.223		1858	1308
8.27		1776	657
8.361		1034	265
8.394		969	349
8.427		1470	861
8.476		3233	3555
8.496		1280	477
8.538		1604	614
8.559		978	365
8.617		2152	1069
8.669		1315	332

LANCASTER LABORATORIES

Sample Number: 9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:34:27 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: 07PCBS17284001B.0072.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.504		5005	3392
1.529		8257	4704
1.554		14312	13152
1.585		10358	10239
1.624		18391	40890
1.686		19145	24402
1.712		13077	13731
1.742		8432	6415
1.771		51095	46369
1.788		42592	56109
1.851		46770	38864
1.879		11894	6825
1.9		39458	26356
1.932		241543	164681
1.954		15056	11011
1.997		18213	11858
2.025		11665	10196
2.055		15891	12113
2.076		5526	2994
2.091		7567	4040
2.148		46342	55109
2.19		3788	1885
2.207		7717	3593
2.222		3894	1986
2.263		5684	5740
2.286		10019	4185
2.297		13072	4930
2.311		6240	2618
2.341		257862	182461
2.411		25227	23126
2.48		42866	39215
2.516		8630	7430
2.553		6416	8261
2.592	TCX	878081	555571
2.67		11719	13511
2.738		25372	18740
2.763		7591	3806
2.789		43465	30074
2.809		11401	5693
2.848		3303	1849
2.889		269938	224651
2.948		10641	8148
2.986		22385	22322
3.011		5645	4146
3.043		23557	17890
3.084		33365	23210
3.095		28215	12565
3.135		10880	8060
3.16		9966	6317
3.18		7765	3914
3.204		193909	125323
3.245		22555	15981
3.267		3749	1496
3.29		18049	9781

3.304	6581	2831
3.331	34303	27934
3.363	340417	253849
3.383	312662	186097
3.413	209555	125156
3.471	102837	83879
3.507	1187908	737506
3.529	1045801	572216
3.547	1070827	590245
3.586	32220	31793
3.61	9730	4252
3.632	684103	421751
3.655	373275	200882
3.675	549467	379076
3.704	29065	11802
3.72	451413	308289
3.76	163186	122342
3.801	139521	115655
3.832	238637	132113
3.853	4028322	2598605
3.878	968979	540807
3.898	783798	423242
3.918	1090144	677405
3.952	5030126	3381619
3.983	1935513	1170333
4	621367	298447
4.023	271797	159042
4.062	346827	270959
4.095	1216005	880714
4.118	87525	74247
4.152	2577392	1840034
4.192	857427	824228
4.212	7141964	6778491
4.25	1412660	1334318
4.304	9361912	7231393
4.34	548691	475909
4.372	3456714	2415527
4.397	2228056	1613600
4.44	11905490	9455564
4.494	170733	126754
4.541	7832074	7957070
4.59	2807427	2364974
4.632	2618873	2261952
4.668	15019490	12371070
4.701	4536642	3120656
4.739	3411620	2681164
4.797	22058	12597
4.809	45095	24225
4.838	761850	514747
4.855	379884	222374
4.888	5526305	4257483
4.911	1903622	1273681
4.961	3476269	3091418
4.998	1737265	1385127
5.028	1359508	1055437
5.06	1109850	712886
5.083	18628030	14575040
5.124	312706	223423
5.154	435044	355271
5.197	10017	6750
5.22	24048	15457
5.252	17416	12966
5.275	121156	76107
5.299	2694457	2243851
5.342	11160890	12136550
5.439	5178	7794
5.498	279828	237511

5.544		393762	333460
5.567		50717	27003
5.591		226706	158866
5.616		1581853	1365599
5.657		23256	25794
5.699		51439	33617
5.726		4203548	3492509
5.758		220886	167105
5.803		20095	18846
5.927		810295	717643
6.011		3125	2347
6.086	DCB	713991	685857
6.123		44988	36460
6.216		5749	5693
6.262		17042	12083
6.285		109836	88481
6.322		2982	2360
6.356		4624	4194
6.398		2725	3874
6.451		4710	4630
6.526		14149	20707
6.563		8705	9801
6.61		3617	5947
6.707		1445	1628
6.766		5693	6351
6.852		2164	3594
6.935		2967	4087
6.989		8998	9585
7.054		1035	1810
7.099		1600	1409
7.275		2011	2767
7.363		1420	2672
7.515		46905	60967
7.577		2306	3475
7.676		3013	3759
7.72		4109	5498
7.904		5273	8222
8.063		32868	56881
8.164		8683	15259
8.308		2843	6808
8.371		81879	163823
8.504		1815	1721
8.61		1571	1500

9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082

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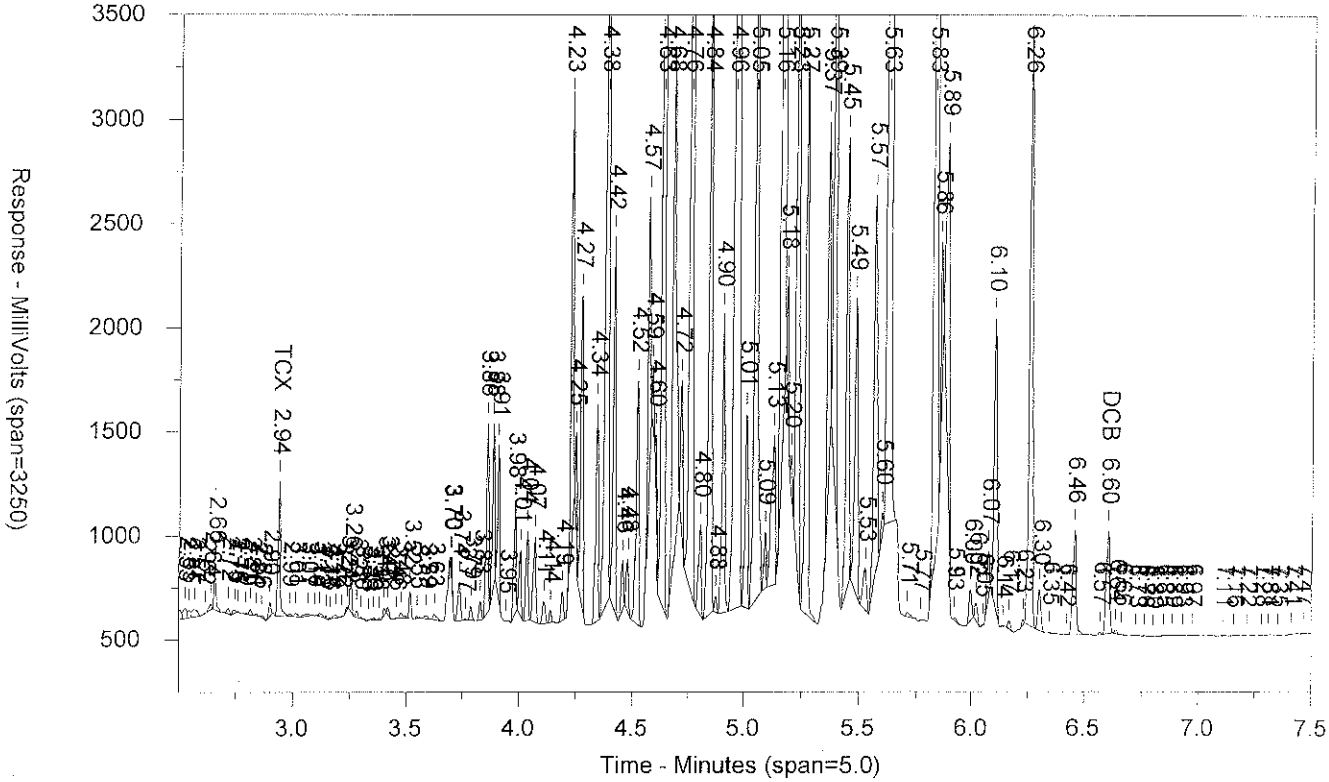

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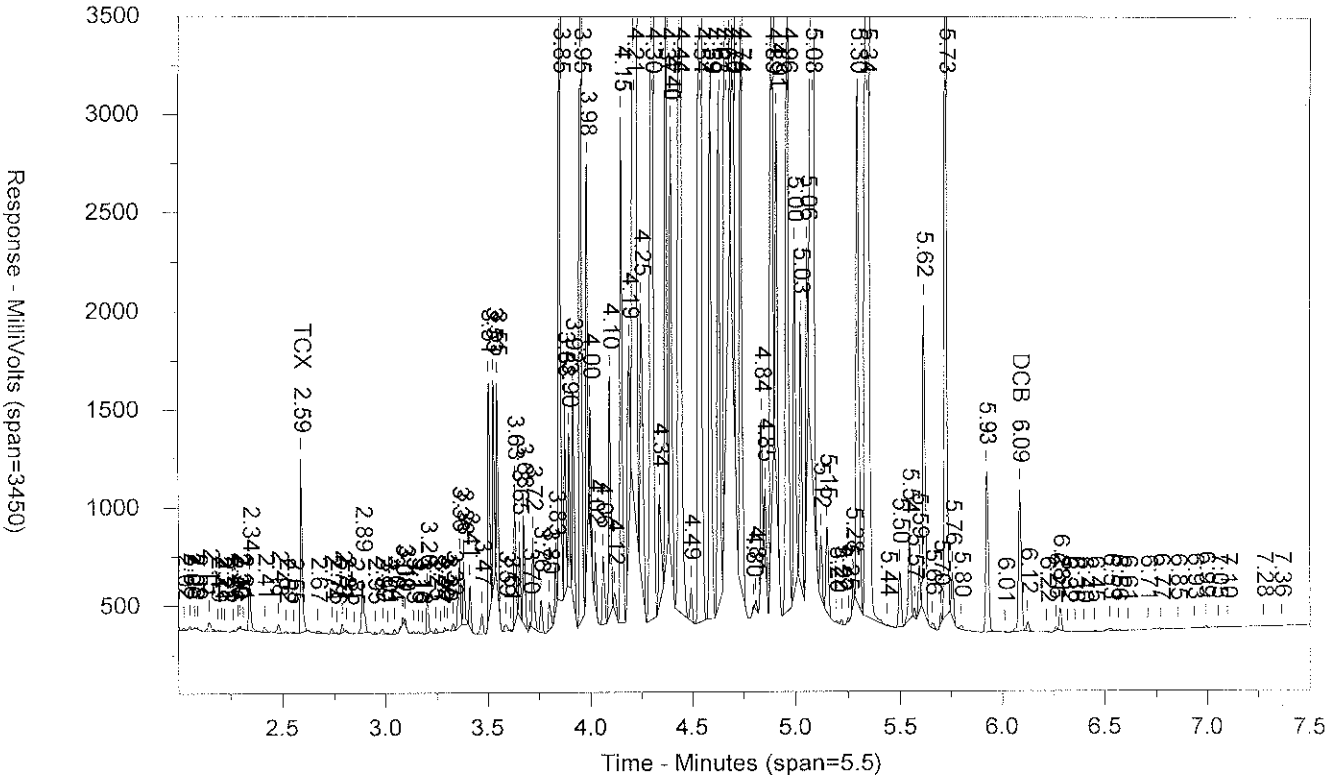


LANCASTER LABORATORIES

Sample Number: 9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:34:27 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: 10.1
Dilution Factor: 200

Threshold: 8
Calibration Type: external
Quantitation: Height

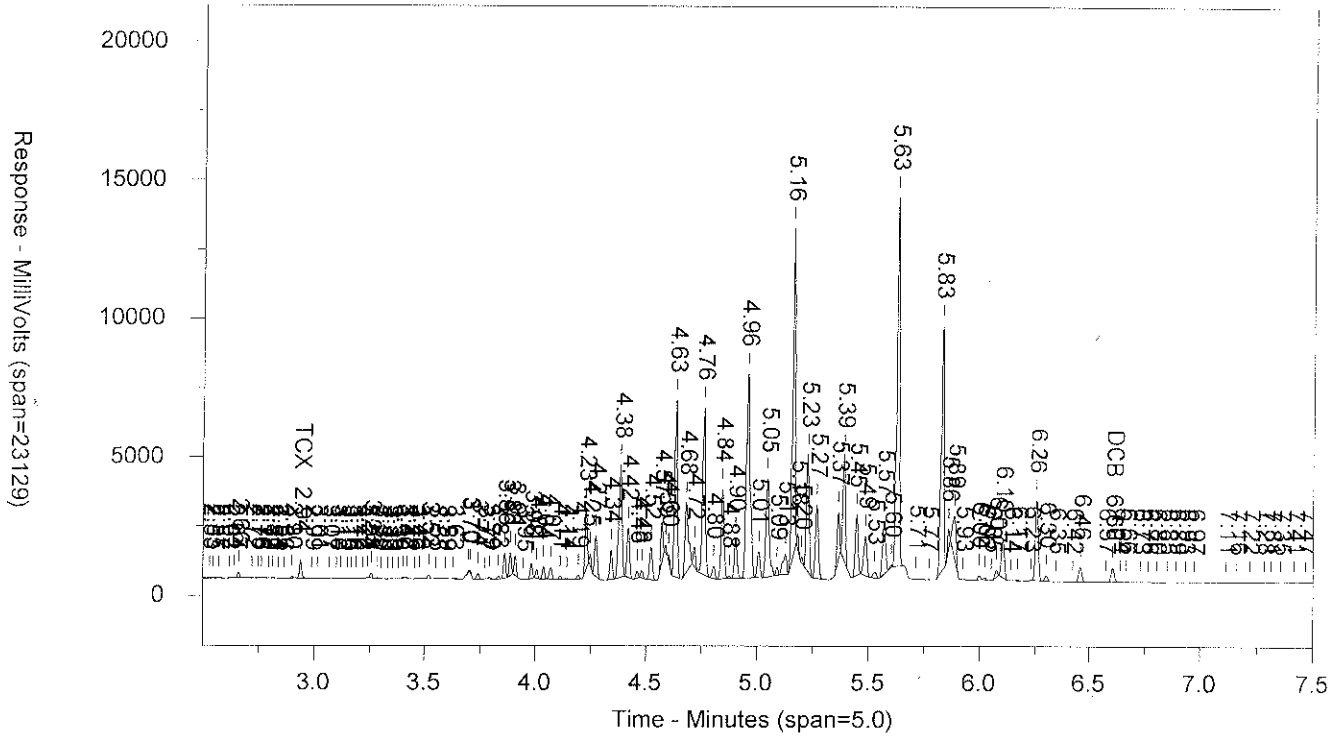
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	646006	46.666	TCX	2.592	878081	41.946	TCX
6.603	505472	49.604	DCB	6.086	713991	37.348	DCB

Files:
Area File: 07PCBS17284001.0072.RAW
Area File: 07PCBS17284001B.0072.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:45 AM
File Reported On: 10/12/2017 at 9:38:00 AM

9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0072.RAW



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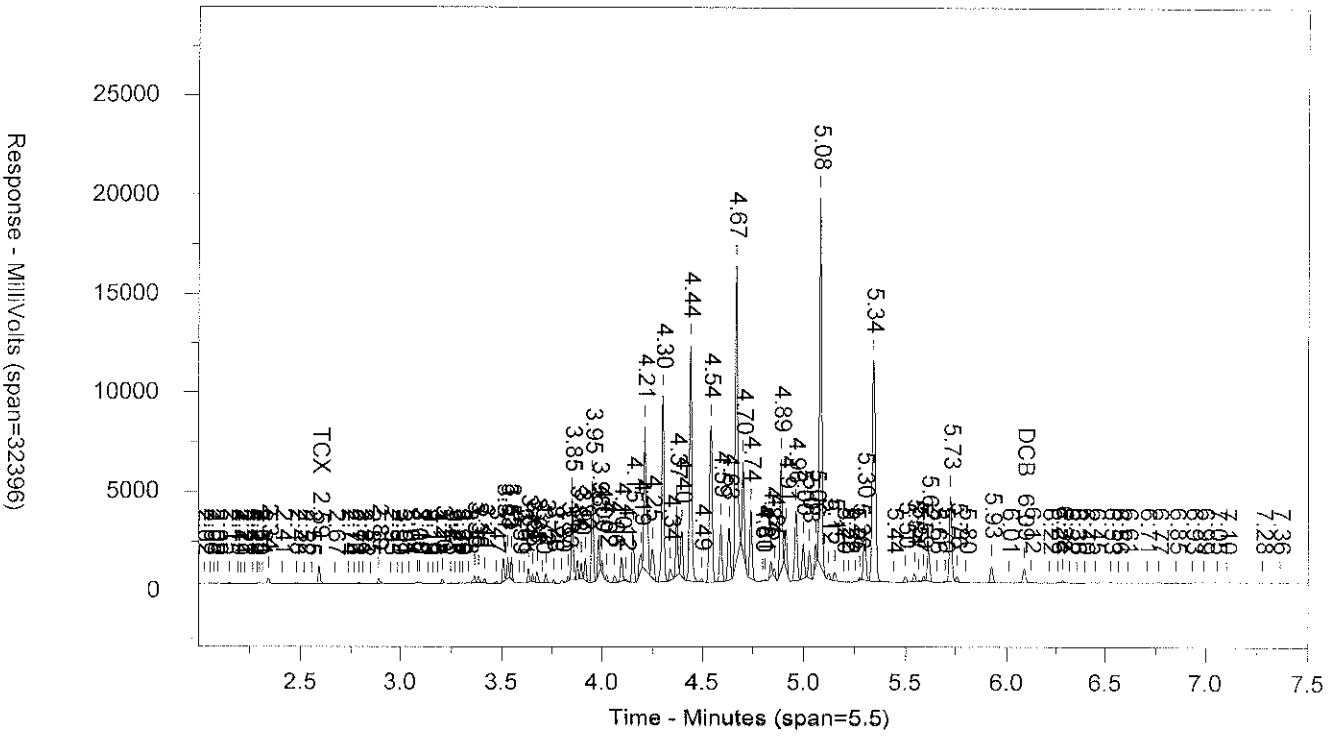

9229465 ACF DF20 AC98A16 T 172820027A 10225 SW-846 8082

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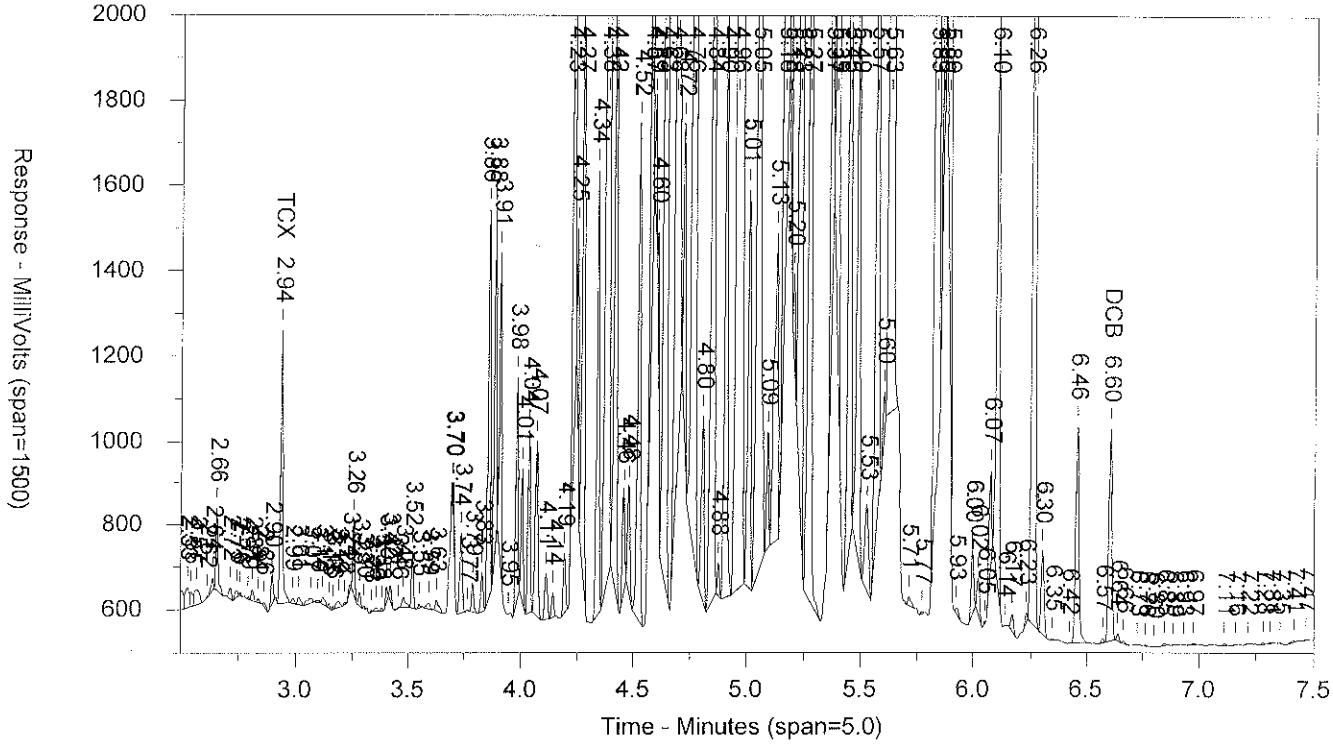

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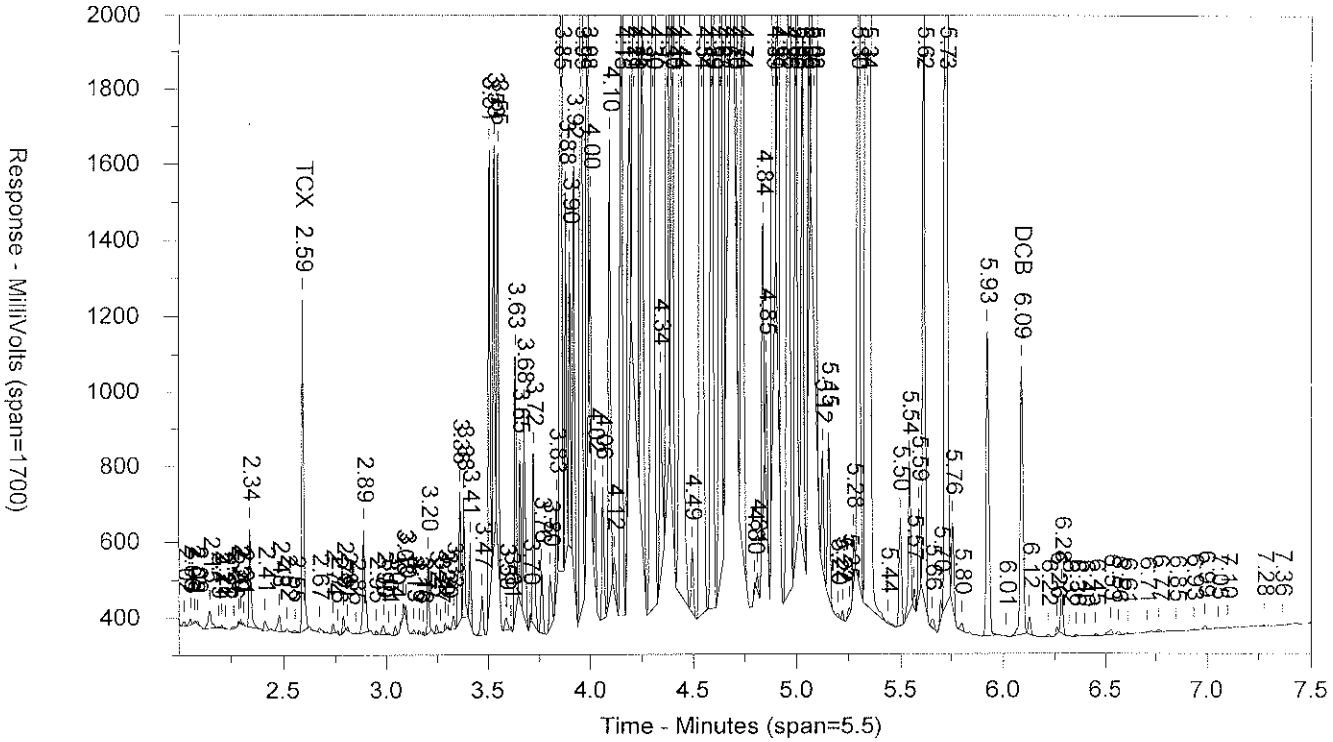

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Data Summary

Sample Name: 9229468 ACF DF10 98A17 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.12 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:08:44
Instrument	19843A
Result file	07PCBS17284001.0075.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 81% (61 - 152) Conc: 24.49583
%SSR(DCB) 85% (48 - 164) Conc: 22.71659

Analysis Report (B)

Injected on	Oct 12, 2017 09:08:44
Instrument	19843B
Result file	07PCBS17284001B.0075.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 71% (61 - 152) Conc: 21.31168
%SSR(DCB) 66% (48 - 164) Conc: 17.80767

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	679539	24.49583
Decachlorobiphenyl	6.57	6.60	6.63	463886	22.71659

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	894029	21.31168
Decachlorobiphenyl	6.05	6.08	6.11	682209	17.80767

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	A	24.49583				13.90	
☑	Tetrachloro-m-xylene-D1	A	24.49583					
☑	Tetrachloro-m-xylene-D2	B	21.31168					
☐	Decachlorobiphenyl	A	22.71659				24.23	
☑	Decachlorobiphenyl-D1	A	22.71659					
☑	Decachlorobiphenyl-D2	B	17.80767					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.49**	
4.74	4.76	4.78	4547764	3876.396333			1
4.94	4.96	4.98	5352808	4512.538271			2
5.14	5.16	5.18	7960193	5519.335777			3
5.37	5.39	5.41	2950459	3697.352865			4
5.61	5.63	5.65	9801252	3942.868911			5
5.81	5.83	5.85	6398638	3791.449286			6

Height summation: **37011114**
Concentration CF: **4223.323574** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.78**	
4.42	4.44	4.46	8473866	4059.38411			1
4.52	4.54	4.56	5668805	3618.330496			2
4.65	4.67	4.69	9911690	5007.262776			3
4.87	4.89	4.91	3957912	2915.334503			4
5.06	5.08	5.10	12233920	3838.938319			5
5.32	5.34	5.36	7643844	3668.090451			6

Height summation: **47890037**
Concentration CF: **3851.223443** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<503.9526	<97.8261	D1		4	
☑	PCB-1221			<503.9526	<151.1858	D1		3	
☑	PCB-1232			<503.9526	<121.5415	D1		4	
☑	PCB-1242			<503.9526	<121.5415	D1		4	
☑	PCB-1248			<503.9526	<97.8261	D1		4	
☑	PCB-1254			<503.9526	<130.4348	D1		4	
☑	PCB-1260	A	4223.323574	503.9526	115.6126	D1	9.22	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:19

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229468 ACF DF10 98A17 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.12 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0075.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 81% (61-152) Conc.: 24.49583
%SSR(DCB) : 85% (48-164) Conc.: 22.71659

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	150.37	
3.17	3.18	3.21	10611.63	21.805055			1
3.38	3.41	3.42	17605.1	34.508078			2
+ 3.38	3.42	3.42	17115.08	33.547581			2
3.50	3.52	3.54	45888.74	74.88511			3
3.71	3.74	3.75	94115.3	126.392518			4
3.77	3.79	3.81	37108.78	56.611613			5
3.96	3.98	4.00	322188.8	644.484462			6
Height Summation:			**527518.35**				
Amount Avg CF:			**159.781139**	Linear:			
Aroclor-1221					3	50.22	
3.07	3.10	3.11	8565.095	34.15213			1
3.12	3.15	3.16	10625.77	48.329952			2
3.17	3.18	3.21	10611.63	15.591822			3
Height Summation:			**29802.495**				
Amount Avg CF:			**32.691301**	Linear:			
Aroclor-1232					6	163.14	
3.17	3.18	3.21	10611.63	18.762357			1
3.38	3.41	3.42	17605.1	76.629818			2
+ 3.38	3.42	3.42	17115.08	74.496905			2
3.50	3.52	3.54	45888.74	164.472365			3
3.71	3.74	3.75	94115.3	278.602798			4
3.77	3.79	3.81	37108.78	134.355075			5
3.96	3.98	4.00	322188.8	1700.759158			6
Height Summation:			**527518.35**				
Amount Avg CF:			**395.596928**	Linear:			
Aroclor-1242					6	151.19	
3.17	3.18	3.21	10611.63	15.666138			1
3.38	3.41	3.42	17605.1	25.694232			2
+ 3.38	3.42	3.42	17115.08	24.979059			2
3.50	3.52	3.54	45888.74	56.224146			3
3.71	3.74	3.75	94115.3	92.081851			4
3.77	3.79	3.81	37108.78	42.319217			5
3.96	3.98	4.00	322188.8	482.491107			6
Height Summation:			**527518.35**				
Amount Avg CF:			**119.079448**	Linear:			
Aroclor-1248					6	107.21	
3.71	3.74	3.75	94115.3	283.56494			1
3.77	3.79	3.81	37108.78	102.186279			2
3.84	3.86	3.88	574138.8	923.506012			3
3.96	3.98	4.00	322188.8	461.971262			4
4.05	4.07	4.09	234898.1	372.077928			5
4.23	4.23	4.27	1552488	2212.640844			6
+ 4.23	4.25	4.27	194372.9	277.024632			6
Height Summation:			**2814937.78**				
Amount Avg CF:			**725.991211**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0075.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 71% (61-152) Conc.: 21.31168
%SSR(DCB) : 66% (48-164) Conc.: 17.80767

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	83.34	
2.86	2.89	2.90	225862.1	318.819575			1
3.19	3.20	3.23	75412.05	84.855197			2
3.38	3.38	3.42	137686.2	150.543292			3
+ 3.38	3.41	3.42	103645.5	113.323883			3
3.45	3.47	3.49	55801.85	57.521906			4
3.51	3.53	3.55	490339.4	670.589064			5
+ 3.51	3.55	3.55	464859.1	635.742159			5
3.61	3.63	3.65	429667.7	518.427316			6
Height Summation:			**1414769.3**				
Amount Avg CF:			**300.126059**	Linear:			
Aroclor-1221					2	89.00	
2.80	2.81	2.84	13295.35	50.355579			2
2.86	2.89	2.90	225862.1	221.336107			3
Height Summation:			**239157.45**				
Amount Avg CF:			**135.845843**	Linear:			
Aroclor-1232					6	103.34	
2.86	2.89	2.90	225862.1	275.625744			1
3.19	3.20	3.23	75412.05	185.356948			2
3.38	3.38	3.42	137686.2	335.809468			3
+ 3.38	3.41	3.42	103645.5	252.785974			3
3.45	3.47	3.49	55801.85	134.627514			4
3.51	3.53	3.55	490339.4	1748.395162			5
+ 3.51	3.55	3.55	464859.1	1657.540474			5
3.61	3.63	3.65	429667.7	1309.799336			6
Height Summation:			**1414769.3**				
Amount Avg CF:			**664.935695**	Linear:			
Aroclor-1242					6	85.72	
2.86	2.89	2.90	225862.1	224.629383			1
3.19	3.20	3.23	75412.05	61.372366			2
3.38	3.38	3.42	137686.2	112.146225			3
+ 3.38	3.41	3.42	103645.5	84.419873			3
3.45	3.47	3.49	55801.85	41.509427			4
3.51	3.53	3.55	490339.4	515.53395			5
+ 3.51	3.55	3.55	464859.1	488.744425			5
3.61	3.63	3.65	429667.7	387.650298			6
Height Summation:			**1414769.3**				
Amount Avg CF:			**223.806942**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229468** ACF DF10 98A17 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.12 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0075.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	74.57	
4.21	4.23	4.25	1552488	1975.064061			1
+ 4.21	4.25	4.25	194372.9	247.279805			1
4.32	4.34	4.36	672918.1	2564.741466			2
4.55	4.57	4.59	997959.2	1148.134656			3
+ 4.55	4.59	4.59	208700.3	240.106056			3
4.61	4.63	4.65	4174717	2409.251874			4
5.02	5.05	5.06	2533964	4186.12039			5
5.14	5.16	5.18	7960193	8194.969745			6
+ 5.14	5.18	5.18	338836.2	348.829784			6
Height Summation:			**17892239.3**				
Amount Avg CF:			**3413.047032**	Linear:			
Aroclor-1260					6	16.49	
4.74	4.76	4.78	4547764	3876.396333			1
4.94	4.96	4.98	5352808	4512.538271			2
5.14	5.16	5.18	7960193	5519.335777			3
5.37	5.39	5.41	2950459	3697.352865			4
5.61	5.63	5.65	9801252	3942.868911			5
5.81	5.83	5.85	6398638	3791.449286			6
Height Summation:			**37011114**				
Amount Avg CF:			**4223.323574**	Linear:			
Aroclor-1262					6	37.72	
E 5.21	5.23	5.25	3038966	2000.422355			1
E 5.37	5.39	5.41	2950459	2720.670343			2
E 5.61	5.63	5.65	9801252	3396.068148			3
E 5.81	5.83	5.85	6398638	2856.390851			4
5.87	5.89	5.91	1046999	927.726363			5
6.24	6.25	6.28	2190158	1943.744125			6
Height Summation:			**25426472**				
Amount Avg CF:			**2307.503697**	Linear:			
Aroclor-1268					6	97.75	
5.81	5.83	5.85	6398638	1475.105057			1
5.87	5.89	5.91	1046999	273.898427			2
6.00	6.02	6.04	66557.05	19.679771			3
+ 6.06	6.07	6.10	186645.9	221.034873			4
6.06	6.10	6.10	989605.8	1171.937836			4
6.23	6.25	6.27	2190158	1776.93449			5
6.43	6.46	6.47	375568.4	42.725751			6
Height Summation:			**11067526.25**				
Amount Avg CF:			**793.380222**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0075.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	96.65	
3.38	3.38	3.42	137686.2	369.802108			1
+ 3.38	3.41	3.42	103645.5	278.37448			1
3.45	3.47	3.49	55801.85	101.177393			2
3.49	3.51	3.53	751965.2	800.231894			3
3.61	3.63	3.65	429667.7	384.814353			4
+ 3.70	3.70	3.74	21212.22	26.2477			5
3.70	3.72	3.74	236767.8	292.973113			5
3.84	3.85	3.88	2639076	1728.304171			6
Height Summation:			**4250964.75**				
Amount Avg CF:			**612.883839**	Linear:			
Aroclor-1254					6	75.50	
+ 4.19	4.19	4.23	573151.7	248.891998			1
4.19	4.21	4.23	3502550	1520.98767			1
+ 4.19	4.22	4.23	804602.8	349.399991			1
4.28	4.30	4.32	6605415	5933.325339			2
4.35	4.37	4.39	1912491	1489.112968			3
E 4.42	4.44	4.46	8473866	9291.87474			4
4.57	4.59	4.61	1648274	1657.811175			5
4.65	4.67	4.69	9911690	5995.211254			6
Height Summation:			**32054286**				
Amount Avg CF:			**4314.720524**	Linear:			
Aroclor-1260					6	17.78	
4.42	4.44	4.46	8473866	4059.38411			1
4.52	4.54	4.56	5668805	3618.330496			2
4.65	4.67	4.69	9911690	5007.262776			3
4.87	4.89	4.91	3957912	2915.334503			4
5.06	5.08	5.10	12233920	3838.938319			5
5.32	5.34	5.36	7643844	3668.090451			6
Height Summation:			**47890037**				
Amount Avg CF:			**3851.223442**	Linear:			
Aroclor-1262					6	36.52	
4.68	4.70	4.72	3291501	1531.70154			1
4.87	4.89	4.91	3957912	1878.963977			2
E 5.06	5.08	5.10	12233920	2908.075808			3
5.28	5.30	5.32	1818783	1061.815543			4
E 5.33	5.34	5.36	7643844	2753.834922			5
5.71	5.72	5.74	2769118	1697.997641			6
Height Summation:			**31715078**				
Amount Avg CF:			**1972.064905**	Linear:			
Aroclor-1268					6	126.15	
5.28	5.30	5.32	1818783	371.604433			1
5.33	5.34	5.36	7643844	1657.299226			2
5.48	5.50	5.52	185918.7	42.722214			3
5.55	5.57	5.59	36069.93	31.928566			4
5.70	5.72	5.74	2769118	1519.217257			5
5.90	5.92	5.94	551953.2	38.621003			6
Height Summation:			**13005686.83**				
Amount Avg CF:			**610.232116**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229468 ACF DF10 98A17 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.12 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0075.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:08:44
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0075.RAW
Calibration file : 07PCBS1728401B.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			503.9526	97.8261		** 61.03	4	40	
Aroclor-1221			503.9526	151.1858		** 122.41	3	40	
Aroclor-1232			503.9526	121.5415		** 50.79	4	40	
Aroclor-1242			503.9526	121.5415		** 61.09	4	40	
Aroclor-1248			503.9526	97.8261		16.90	4	40	
Aroclor-1254			503.9526	130.4348		23.34	4	40	
Aroclor-1260			503.9526	115.6126		9.22	4	40	
Aroclor-1262			503.9526	97.8261	E	15.68	4	40	
Aroclor-1268			503.9526	97.8261		26.10	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:08:44 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0075.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.519		3862	3379
1.582		187017	236215
1.634		103537	140198
1.688		143462	224865
1.717		94472	101653
1.736		99528	142353
1.762		98031	191586
1.789		93412	116960
1.818		89523	78648
1.836		92073	112800
1.861		90415	108323
1.883		87530	126571
1.907		83081	69406
1.927		85959	83323
1.946		85705	106273
1.973		72944	83008
1.99		79393	88500
2.011		78808	79835
2.052		82346	195268
2.118		29634	67101
2.142		31846	20573
2.183		4842	2290
2.209		142904	98832
2.231		18337	13174
2.246		14371	9817
2.265		6897	2878
2.28		20130	27074
2.321		33480	27112
2.333		36496	24559
2.355		14625	9629
2.373		10445	5942
2.403		28975	49179
2.435		26277	29210
2.464		47810	67813
2.498		43524	61843
2.529		31899	39249
2.565		6711	4458
2.616		4254	1467
2.641		19117	17363
2.659		153844	101493
2.698		3522	1164
2.716		18275	15459
2.746		14568	13441
2.761		6670	2877
2.781		4247	2401
2.794		6371	2403
2.812		20971	15341
2.839		7527	5318
2.86		10363	13050
2.899		42570	30460
2.937	TCX	679539	479019
2.986		9614	8702
3.012		15148	17507

RT A	Compound A	Height A	Area A
3.058		4388	5939
3.101		8565	7276
3.121		5399	2669
3.146		10626	5235
3.165		6330	2513
3.182		10612	12985
3.218		3649	1940
3.24		12203	8557
3.256		147341	88029
3.282		20510	12808
3.336		2802	1524
3.357		7785	5528
3.383		8124	4996
3.405		17605	11065
3.421		17115	10026
3.442		2112	608
3.476		10543	9526
3.518		45889	28045
3.548		5224	2890
3.562		4619	4961
3.595		9647	5515
3.626		8977	11277
3.702		140850	193930
3.738		94115	80527
3.766		2628	1748
3.789		37109	26786
3.83		37371	26578
3.857		574139	415591
3.883		384480	250850
3.906		313140	208778
3.953		4143	2448
3.98		322189	237380
4.005		135242	90826
4.036		194938	138294
4.069		234898	211503
4.112		59967	53804
4.141		31051	22675
4.171		5088	2067
4.193		83485	60507
4.229		1552488	1164049
4.247		194373	91849
4.273		716497	618742
4.34		672918	557766
4.382		2859950	2803279
4.417		1131225	939103
4.457		130364	93486
4.479		169882	123031
4.521		818936	727201
4.571		997959	697534
4.588		208700	92860
4.601		148740	84298
4.632		4174717	3495691
4.681		1884824	1963954
4.717		575820	385595
4.757		4547765	4084543
4.803		248617	213696
4.844		1790235	1753395
4.876		60954	37638
4.903		962732	910887
4.956		5352808	6489164
5.007		725578	638909
5.045		2533965	2610764
5.089		176758	120598
5.127		536431	675569
5.16		7960193	6831953
5.182		338836	169672

RT A	Compound A	Height A	Area A
5.201		132788	62712
5.227		3038966	2653190
5.269		1945129	1861401
5.365		1116532	886930
5.388		2950459	2253310
5.446		1657611	1451936
5.484		1017358	1023704
5.525		165383	190961
5.568		1301388	1327589
5.6		60241	38768
5.625		9801252	9186895
5.711		11059	13404
5.773		5603	7046
5.83		6398638	5781036
5.861		442011	323757
5.885		1046999	1170067
5.996		98027	78780
6.021		66557	52101
6.072		186646	148493
6.101		989606	934843
6.166		28304	28039
6.203		2648	1800
6.227		14837	8508
6.254		2190158	2089655
6.3		139656	129105
6.338		15462	15174
6.456		375568	385586
6.545		2246	1383
6.566		5961	5113
6.602	DCB	463886	469750
6.636		9896	7069
6.664		4049	3408
6.703		1667	528
6.764		1340	800
6.808		3452	3635
6.857		2847	5194
6.926		1536	900
6.969		1239	1201
7.027		1505	525
7.103		2139	1511
7.168		3920	6307
7.211		1767	1396
7.276		2447	2151
7.299		1329	387
7.321		2890	2584
7.343		2076	991
7.4		4278	4380
7.419		2389	1886
7.455		1435	936
7.477		1319	691
7.554		1460	1171
7.617		1128	3661
7.672		1906	1086
7.738		2401	3541
7.782		1708	2216
7.82		1571	1072
7.951		23196	38338
8.04		4719	10276
8.105		1725	679
8.135		1454	443
8.193		1265	688
8.223		1604	656
8.232		1995	724
8.269		1863	2887
8.319		1410	583
8.363		2043	1338

RT A	Compound A	Height A	Area A
8.403		1504	332
8.446		1443	663
8.46		1469	702
8.476		2553	2433
8.513		1452	773
8.56		2591	1541
8.662		1541	811

LANCASTER LABORATORIES

Sample Number: 9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:08:44 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0075.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.505		3775	2055
1.529		6032	3783
1.555		10333	8815
1.583		5212	4770
1.618		6626	8027
1.687		13751	17681
1.711		11033	12816
1.74		7542	6210
1.771		31165	28978
1.79		23679	22634
1.85		43081	35385
1.88		10746	6333
1.9		37720	24512
1.932		175484	122846
1.957		9333	7292
1.998		12970	7209
2.025		11983	10106
2.055		7236	8010
2.076		4902	3877
2.091		8479	5262
2.149		21035	19865
2.19		3548	1859
2.207		6519	3219
2.265		6873	7010
2.287		8321	3624
2.297		10634	4140
2.311		4849	2635
2.341		210721	154354
2.412		14569	14924
2.468		3559	1576
2.481		16895	10828
2.517		8503	8709
2.553		5836	7791
2.592	TCX	894029	601418
2.654		3291	1766
2.683		6324	10328
2.739		15442	21910
2.79		23071	15400
2.81		13295	6741
2.848		3445	1693
2.889		225862	181249
2.95		6447	3934
2.986		12947	13860
3.011		4561	3710
3.046		10843	9533
3.085		41503	63342
3.134		5600	4152
3.159		6358	4191
3.18		4344	2075
3.205		75412	47592
3.246		14241	10765
3.29		6924	3822
3.304		3592	1658
3.333		15399	10263

3.363	127288	95428
3.383	137686	85324
3.413	103646	60262
3.471	55802	45516
3.506	751965	463877
3.529	490339	272208
3.547	464859	256040
3.585	16886	15862
3.61	4335	1907
3.631	429668	264214
3.654	166124	91419
3.675	240889	173195
3.704	21212	9576
3.72	236768	161966
3.76	93702	67044
3.801	92545	69935
3.832	106781	61846
3.853	2639076	1720635
3.877	361266	204674
3.897	498219	273890
3.917	737372	459341
3.952	3368293	2339358
3.983	1220149	723104
4	439918	223807
4.022	139573	80959
4.061	218336	169924
4.095	886931	619462
4.116	64582	61244
4.151	1725764	1253876
4.192	573152	570775
4.211	3502550	1983288
4.224	804603	348458
4.249	1000122	992123
4.302	6605415	5141989
4.339	312672	275705
4.371	1912491	1297733
4.397	1661901	1156922
4.439	8473866	6656283
4.492	116429	85363
4.539	5668805	5581788
4.59	1648274	1421062
4.631	1747267	1557962
4.667	9911690	8253272
4.7	3291501	2196437
4.738	2456190	1895422
4.808	49635	56624
4.836	533932	374651
4.854	246564	144659
4.887	3957912	2996483
4.91	1241660	825970
4.961	2434854	2151042
4.996	1231275	981336
5.027	952675	742181
5.059	677411	417735
5.082	12233920	9977108
5.124	226904	161721
5.153	298474	246109
5.195	6431	4576
5.219	9723	5904
5.253	4113	3593
5.274	85599	54195
5.298	1818783	1559889
5.34	7643844	8241869
5.497	185919	156170
5.544	267317	225023
5.566	36070	20247
5.589	132098	89776

5.616		1124208	963298
5.653		14013	16428
5.698		28103	17151
5.725		2769118	2386266
5.756		156574	117813
5.802		10045	7224
5.925		551953	502755
6.084	DCB	682209	639482
6.121		22312	17746
6.215		3167	2837
6.26		11249	7640
6.283		50223	42351
6.356		1576	1308
6.393		2345	2426
6.452		4177	4879
6.525		5654	12338
6.56		5746	6554
6.619		2797	5038
6.734		1796	1964
6.765		3557	4836
6.809		2233	2249
6.849		2011	2212
6.986		5292	5351
7.286		1783	4481
7.407		1127	1657
7.513		34604	45031
7.576		1691	2710
7.677		1800	1977
7.714		3100	3353
7.906		3504	5702
8.059		18268	30175
8.164		7214	11427
8.307		1365	3319
8.368		49725	97495

9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082

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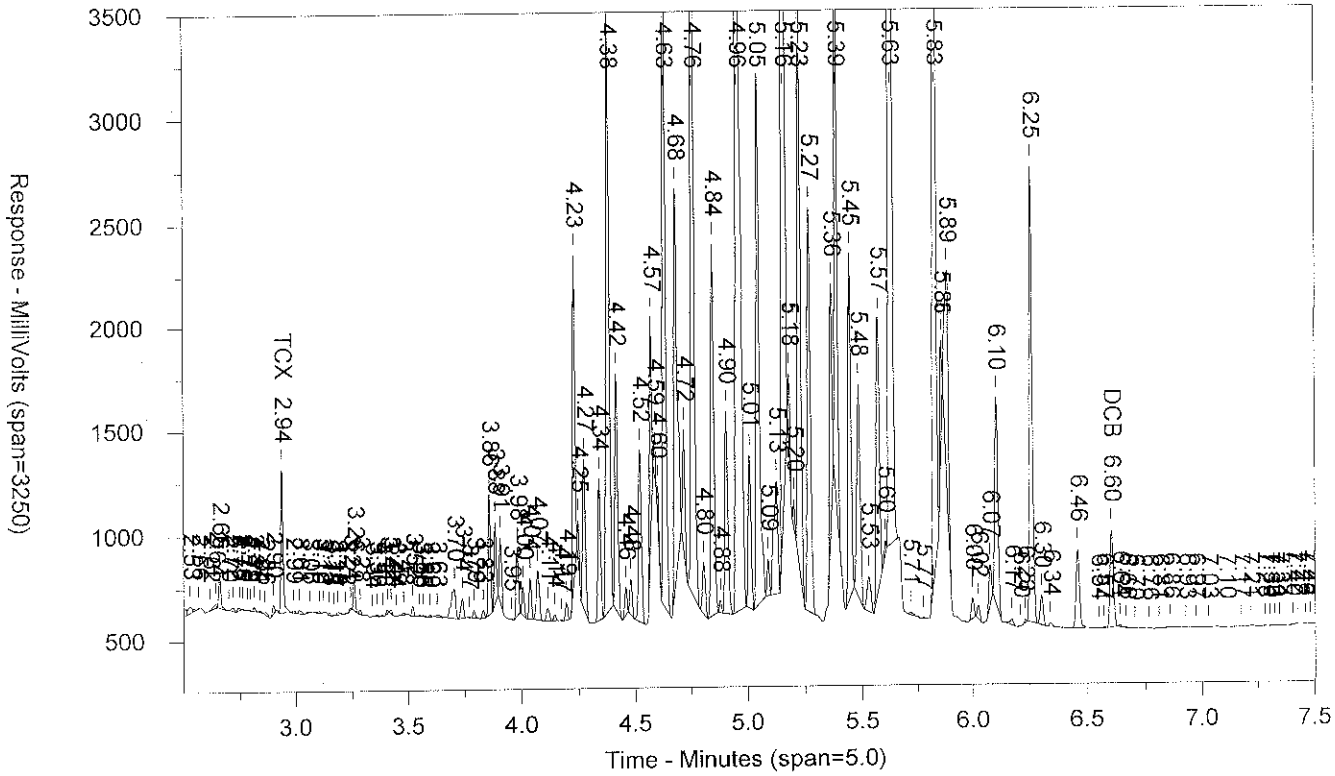

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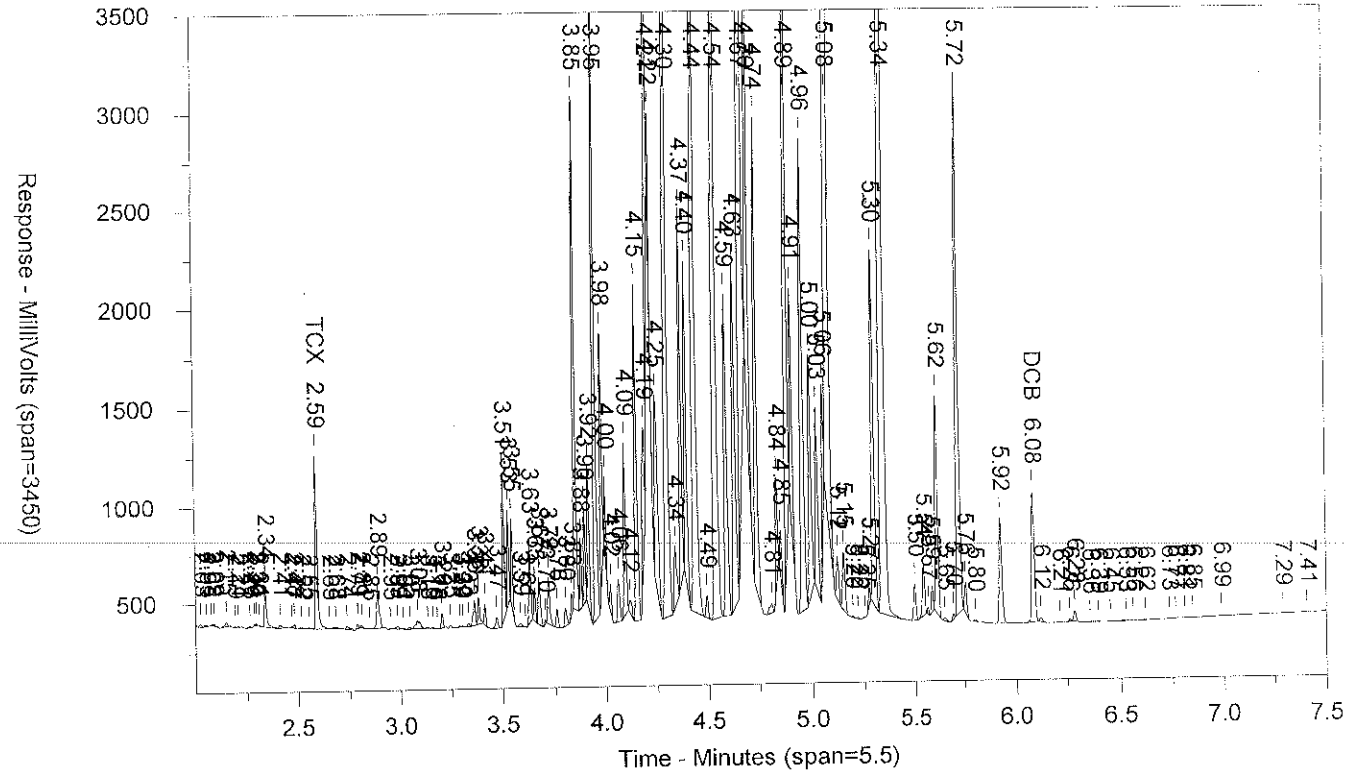

LANCASTER LABORATORIES

Sample Number: 9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:08:44 AM
Sample Weight: 10.12
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	679539	24.496	TCX	2.592	894029	21.312	TCX
6.602	463886	22.717	DCB	6.084	682209	17.808	DCB

Files:
Area File: 07PCBS17284001.0075.RAW
Area File: 07PCBS17284001B.0075.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:45 AM
File Reported On: 10/12/2017 at 9:38:48 AM

9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082

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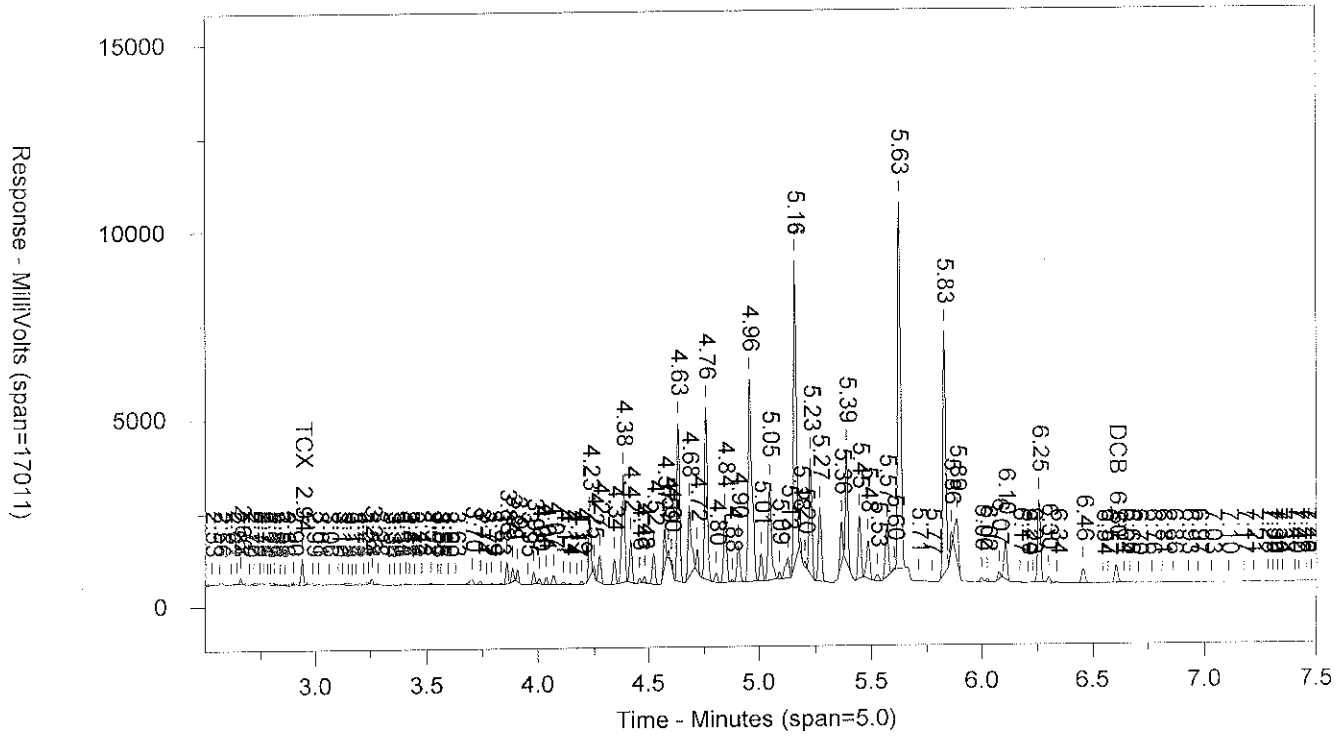

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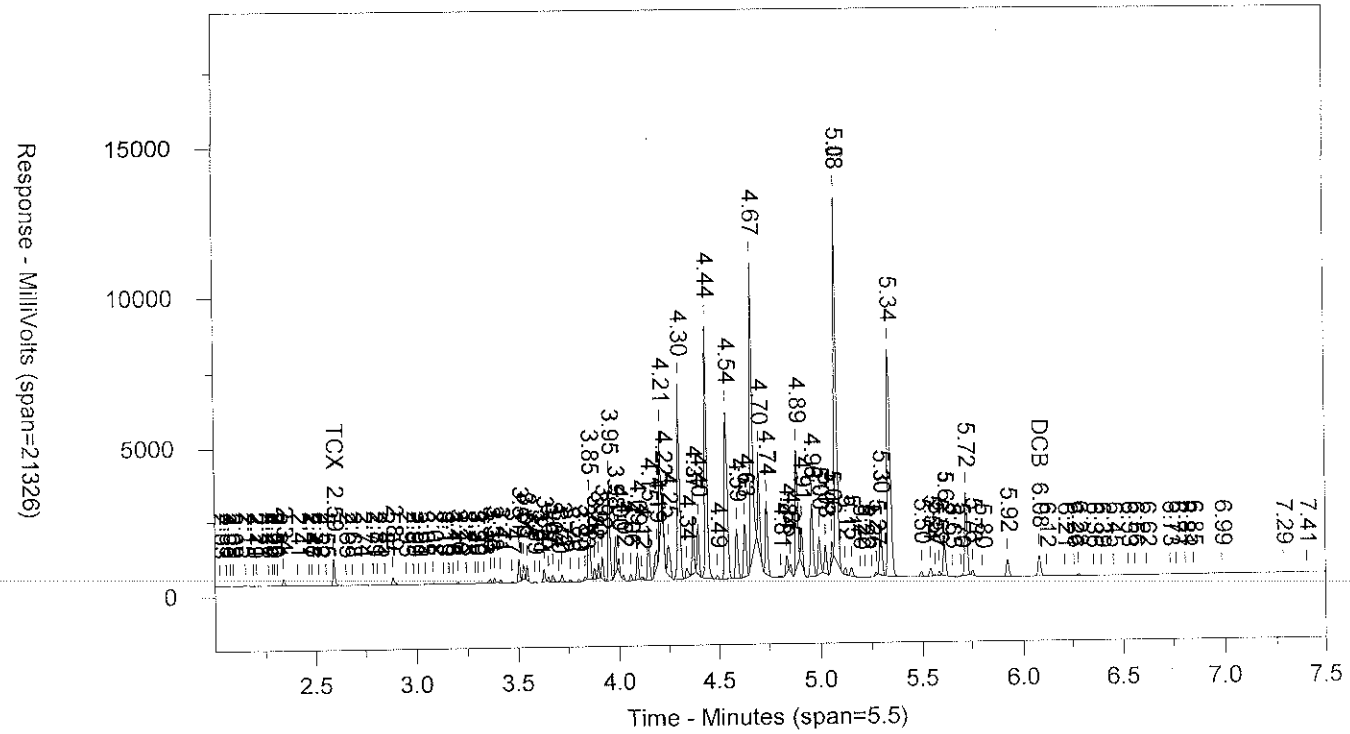

9229468 ACF DF10 AC98A17 T 172820027A 10225 SW-846 8082

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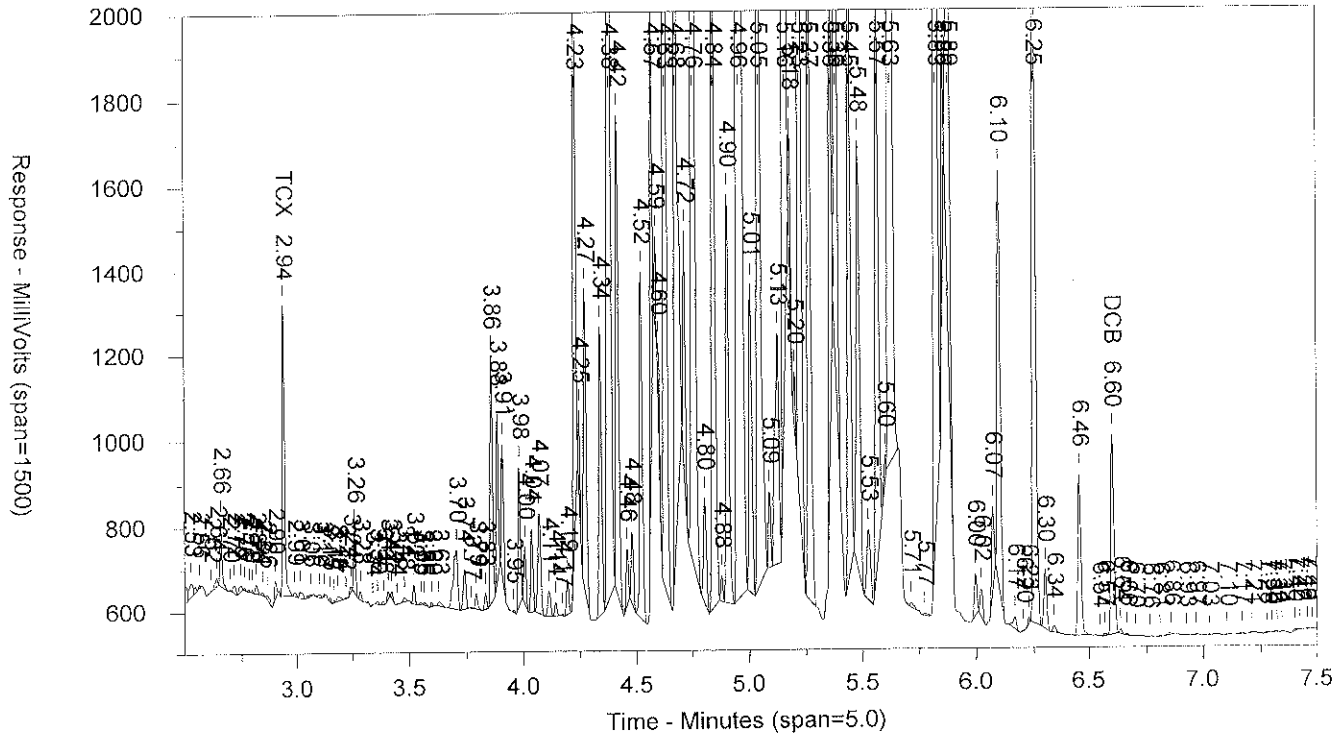

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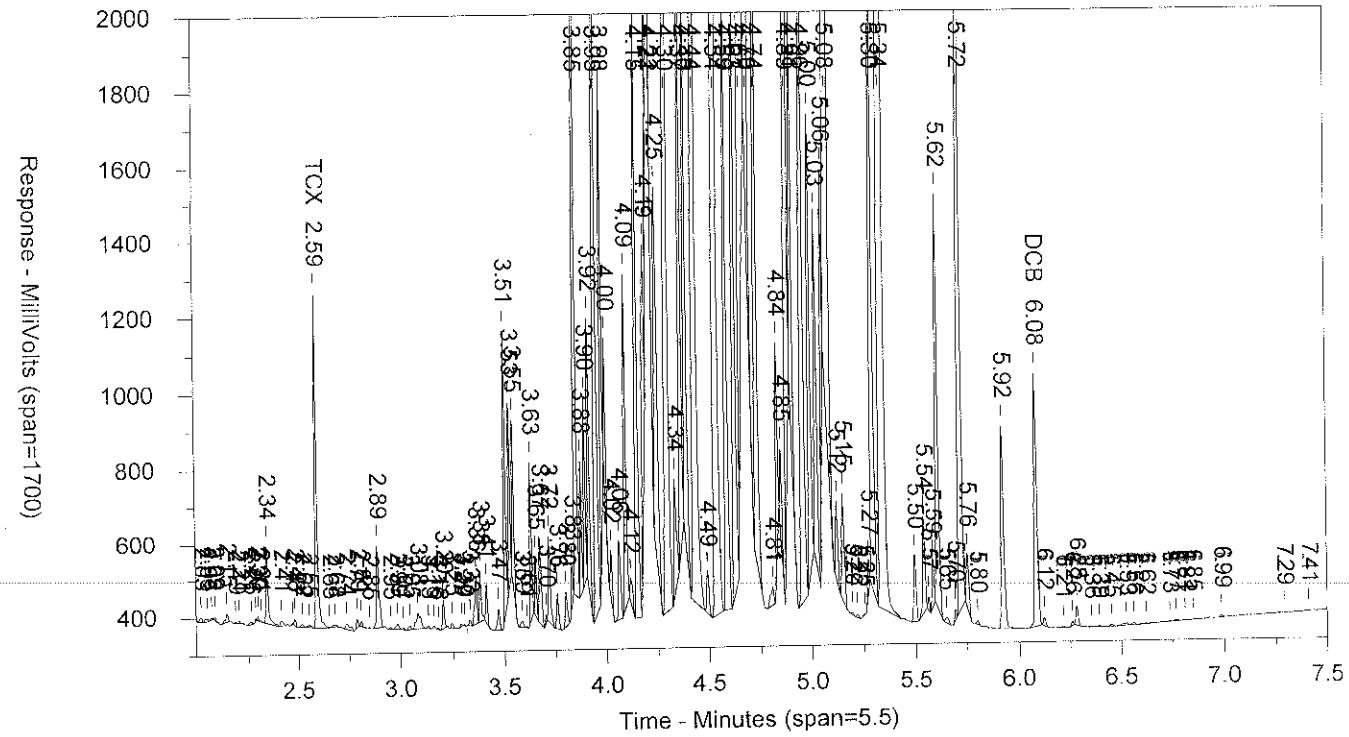

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229469 ACF DF10 98A18 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.49 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 09:31:28
Instrument	19843A
Result file	07PCBS17284001.0077.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) * 52% (61 - 152) Conc: 15.00125
%SSR(DCB) 72% (48 - 164) Conc: 18.51991

Analysis Report (B)

Injected on	Oct 12, 2017 09:31:28
Instrument	19843B
Result file	07PCBS17284001B.0077.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) * 53% (61 - 152) Conc: 15.37426
%SSR(DCB) 57% (48 - 164) Conc: 14.68795

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	431365	15.00125
Decachlorobiphenyl	6.57	6.60	6.63	392014	18.51991

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	668533	15.37426
Decachlorobiphenyl	6.05	6.08	6.11	583266	14.68795

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	15.37426				2.46	
☑	Tetrachloro-m-xylene-D1	A	15.00125					
☑	Tetrachloro-m-xylene-D2	B	15.37426					
☐	Decachlorobiphenyl	A	18.51991				23.08	
☑	Decachlorobiphenyl-D1	A	18.51991					
☑	Decachlorobiphenyl-D2	B	14.68795					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.42**	
4.74	4.76	4.78	2551208	2097.882436			1
4.94	4.96	4.98	3046904	2478.009845			2
5.14	5.16	5.18	4125318	2759.469983			3
5.37	5.39	5.41	1482878	1792.717107			4
5.61	5.63	5.65	4975022	1930.771202			5
5.81	5.83	5.85	3357900	1919.510505			6

Height summation: **19539230**
Concentration CF: **2163.06018** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.97**	
4.42	4.44	4.46	5453587	2520.378843			1
4.52	4.54	4.56	3390265	2087.638921			2
4.65	4.67	4.69	6200230	3021.798472			3
4.87	4.89	4.91	2292651	1629.165603			4
5.06	5.08	5.10	7102474	2150.107504			5
5.32	5.34	5.36	4155968	1924.001651			6

Height summation: **28595175**
Concentration CF: **2222.181832** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<486.1773	<94.3756	D1		4	
☑	PCB-1221			<486.1773	<145.8532	D1		3	
☑	PCB-1232			<486.1773	<117.2545	D1		4	
☑	PCB-1242			<486.1773	<117.2545	D1		4	
☑	PCB-1248			<486.1773	<94.3756	D1		4	
☑	PCB-1254			<486.1773	<125.8341	D1		4	
☑	PCB-1260	B	2222.181832	486.1773	111.5348	D2	2.70	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:21

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229469** ACF DF10 98A18 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.49 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0077.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *52% (61-152) Conc.: 15.00125
%SSR(DCB) : 72% (48-164) Conc.: 18.51991

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**161.07**	
3.17	3.18	3.21	15512.79	30.751763			1
+ 3.38	3.38	3.42	16269.47	30.765268			2
3.38	3.41	3.42	37381.93	70.688541			2
3.71	3.73	3.75	45734.3	59.252707			4
+ 3.77	3.77	3.81	7375.98	10.855594			5
3.77	3.79	3.81	19255.79	28.339698			5
+ 3.77	3.80	3.81	10233.41	15.061015			5
3.96	3.98	4.00	337299	650.911718			6
Height Summation:			**455183.81**				
Amount Avg CF:			**167.988885**	Linear:			
Aroclor-1221					**3**	**53.65**	
3.07	3.10	3.11	15412.17	59.28631			1
+ 3.12	3.12	3.16	17496.49	76.773601			2
3.12	3.15	3.16	17751.02	77.890464			2
3.17	3.18	3.21	15512.79	21.989214			3
Height Summation:			**48675.98**				
Amount Avg CF:			**53.05533**	Linear:			
Aroclor-1232					**5**	**173.27**	
3.17	3.18	3.21	15512.79	26.460633			1
+ 3.38	3.38	3.42	16269.47	68.318406			2
3.38	3.41	3.42	37381.93	156.973391			2
3.71	3.73	3.75	45734.3	130.608759			4
+ 3.77	3.77	3.81	7375.98	25.763339			5
3.77	3.79	3.81	19255.79	67.257971			5
+ 3.77	3.80	3.81	10233.41	35.743971			5
3.96	3.98	4.00	337299	1717.720334			6
Height Summation:			**455183.81**				
Amount Avg CF:			**419.804218**	Linear:			
Aroclor-1242					**5**	**161.91**	
3.17	3.18	3.21	15512.79	22.094022			1
+ 3.38	3.38	3.42	16269.47	22.907388			2
3.38	3.41	3.42	37381.93	52.633698			2
3.71	3.73	3.75	45734.3	43.167895			4
+ 3.77	3.77	3.81	7375.98	8.114947			5
3.77	3.79	3.81	19255.79	21.184943			5
+ 3.77	3.80	3.81	10233.41	11.258651			5
3.96	3.98	4.00	337299	487.30285			6
Height Summation:			**455183.81**				
Amount Avg CF:			**125.276682**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0077.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : *53% (61-152) Conc.: 15.37426
%SSR(DCB) : 57% (48-164) Conc.: 14.68795

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**100.80**	
+ 2.86	2.86	2.90	2617.468	3.564413			1
2.86	2.89	2.90	665998.6	906.942926			1
3.19	3.21	3.23	52098.52	56.554623			2
+ 3.38	3.38	3.42	29396.67	31.008029			3
3.38	3.40	3.42	34996.29	36.914588			3
+ 3.38	3.41	3.42	11427.59	12.053986			3
3.45	3.47	3.49	68850.84	68.469781			4
3.51	3.53	3.55	364500	480.908256			5
+ 3.51	3.55	3.55	145300.5	191.70428			5
3.61	3.63	3.65	519485.5	604.691166			6
Height Summation:			**1705929.75**				
Amount Avg CF:			**359.080223**	Linear:			
Aroclor-1221					**2**	**123.22**	
2.80	2.81	2.84	11854.07	43.313206			2
+ 2.86	2.86	2.90	2617.468	2.474545			3
2.86	2.89	2.90	665998.6	629.632659			3
Height Summation:			**677852.67**				
Amount Avg CF:			**336.472932**	Linear:			
Aroclor-1232					**6**	**96.32**	
+ 2.86	2.86	2.90	2617.468	3.081505			1
2.86	2.89	2.90	665998.6	784.069858			1
3.19	3.21	3.23	52098.52	123.537422			2
+ 3.38	3.38	3.42	29396.67	69.168074			3
3.38	3.40	3.42	34996.29	82.343544			3
+ 3.38	3.41	3.42	11427.59	26.888229			3
3.45	3.47	3.49	68850.84	160.250538			4
3.51	3.53	3.55	364500	1253.849358			5
+ 3.51	3.55	3.55	145300.5	499.821505			5
3.61	3.63	3.65	519485.5	1527.743741			6
Height Summation:			**1705929.75**				
Amount Avg CF:			**655.299077**	Linear:			
Aroclor-1242					**6**	**98.96**	
+ 2.86	2.86	2.90	2617.468	2.511364			1
2.86	2.89	2.90	665998.6	639.001009			1
3.19	3.21	3.23	52098.52	40.903694			2
+ 3.38	3.38	3.42	29396.67	23.099225			3
3.38	3.40	3.42	34996.29	27.499277			3
+ 3.38	3.41	3.42	11427.59	8.979536			3
3.45	3.47	3.49	68850.84	49.409722			4
3.51	3.53	3.55	364500	369.711566			5
+ 3.51	3.55	3.55	145300.5	147.377984			5
3.61	3.63	3.65	519485.5	452.153471			6
Height Summation:			**1705929.75**				
Amount Avg CF:			**263.113123**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229469 ACF DF10 98A18 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.49 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0077.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	100.57	
3.71	3.73	3.75	45734.3	132.935007			1
+ 3.77	3.77	3.81	7375.98	19.594792			2
3.77	3.79	3.81	19255.79	51.154315			2
+ 3.77	3.80	3.81	10233.41	27.185749			2
3.84	3.86	3.88	514456.5	798.319087			3
3.96	3.98	4.00	337299	466.578367			4
4.05	4.07	4.09	198752	303.718283			5
4.23	4.23	4.27	1113794	1531.413853			6
+ 4.23	4.25	4.27	373978.1	514.202126			6
Height Summation:			**2229291.59**				
Amount Avg CF:			**547.353152**	Linear:			
Aroclor-1254					6	58.61	
4.21	4.23	4.25	1113794	1366.982116			1
4.32	4.34	4.36	414745.8	1524.994946			2
4.55	4.57	4.59	847891.1	941.07696			3
+ 4.55	4.59	4.59	75993.12	84.344999			3
4.61	4.63	4.65	2575827	1434.091562			4
5.02	5.05	5.06	1558380	2483.645822			5
5.14	5.16	5.18	4125318	4097.191028			6
Height Summation:			**10635955.9**				
Amount Avg CF:			**1974.663739**	Linear:			
Aroclor-1260					6	17.42	
4.74	4.76	4.78	2551208	2097.882436			1
4.94	4.96	4.98	3046904	2478.009845			2
5.14	5.16	5.18	4125318	2759.469983			3
5.37	5.39	5.41	1482878	1792.717107			4
5.61	5.63	5.65	4975022	1930.771202			5
5.81	5.83	5.85	3357900	1919.510505			6
Height Summation:			**19539230**				
Amount Avg CF:			**2163.06018**	Linear:			
Aroclor-1262					6	34.19	
5.21	5.23	5.25	1606118	1019.948707			1
5.37	5.39	5.41	1482878	1319.157907			2
5.61	5.63	5.65	4975022	1663.010039			3
5.81	5.83	5.85	3357900	1446.115148			4
5.87	5.89	5.91	621149.4	530.975797			5
6.24	6.26	6.28	1190572	1019.352368			6
Height Summation:			**13233639.4**				
Amount Avg CF:			**1166.426661**	Linear:			
Aroclor-1268					6	96.06	
5.81	5.83	5.85	3357900	746.80668			1
5.87	5.89	5.91	621149.4	156.763289			2
6.00	6.02	6.04	35535.12	10.136518			3
+ 6.06	6.07	6.10	112351.6	128.35909			4
6.06	6.10	6.10	589808.4	673.84238			4
6.23	6.26	6.27	1190572	931.872852			5
6.43	6.46	6.47	207135.1	22.733138			6
Height Summation:			**6002100.02**				
Amount Avg CF:			**423.692476**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0077.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	98.49	
+ 3.38	3.38	3.42	29396.67	76.16968			1
3.38	3.40	3.42	34996.29	90.678849			1
+ 3.38	3.41	3.42	11427.59	29.610016			1
3.45	3.47	3.49	68850.84	120.434012			2
3.49	3.51	3.53	793481.5	814.629145			3
3.61	3.63	3.65	519485.5	448.845639			4
+ 3.70	3.70	3.74	15703.54	18.745961			5
3.70	3.72	3.74	265602	317.060027			5
3.84	3.85	3.88	2416062	1526.44577			6
Height Summation:			**4098478.13**				
Amount Avg CF:			**553.015574**	Linear:			
Aroclor-1254					6	61.03	
+ 4.19	4.19	4.23	445836.2	186.776272			1
4.19	4.21	4.23	3184128	1333.941831			1
4.28	4.30	4.32	4306458	3731.842398			2
4.35	4.37	4.39	1983225	1489.722092			3
4.42	4.44	4.46	5453587	5769.112721			4
4.57	4.59	4.61	1568934	1522.352952			5
4.65	4.67	4.69	6200230	3618.008684			6
Height Summation:			**22696562**				
Amount Avg CF:			**2910.830113**	Linear:			
Aroclor-1260					6	21.97	
4.42	4.44	4.46	5453587	2520.378843			1
4.52	4.54	4.56	3390265	2087.638921			2
4.65	4.67	4.69	6200230	3021.798472			3
4.87	4.89	4.91	2292651	1629.165603			4
5.06	5.08	5.10	7102474	2150.107504			5
5.32	5.34	5.36	4155968	1924.001651			6
Height Summation:			**28595175**				
Amount Avg CF:			**2222.181832**	Linear:			
Aroclor-1262					6	36.12	
4.68	4.70	4.72	1827506	820.434649			1
4.87	4.89	4.91	2292651	1050.014493			2
5.06	5.08	5.10	7102474	1628.751258			3
5.28	5.30	5.32	1054723	594.034452			4
5.33	5.34	5.36	4155968	1444.452641			5
5.71	5.72	5.74	1581401	935.497547			6
Height Summation:			**18014723**				
Amount Avg CF:			**1078.864173**	Linear:			
Aroclor-1268					6	123.50	
5.28	5.30	5.32	1054723	207.894711			1
5.33	5.34	5.36	4155968	869.293298			2
5.48	5.50	5.52	167118.8	37.04768			3
5.55	5.57	5.59	22634.6	19.329115			4
5.70	5.72	5.74	1581401	836.999995			5
5.90	5.92	5.94	315160.5	21.274438			6
Height Summation:			**7297005.9**				
Amount Avg CF:			**331.973206**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9229469 ACF DF10 98A18 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.49 g Total Volume: 100 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0077.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 09:31:28
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0077.RAW
Calibration file : 07PCBS1728401B.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			486.1773	94.3756		** 72.51	4	40	
Aroclor-1221			486.1773	145.8532		** 145.52	3	40	
Aroclor-1232			486.1773	117.2545		** 43.81	4	40	
Aroclor-1242			486.1773	117.2545		** 70.98	4	40	
Aroclor-1248			486.1773	94.3756		1.03	4	40	
Aroclor-1254			486.1773	125.8341		38.32	4	40	
Aroclor-1260			486.1773	111.5348		2.70	4	40	
Aroclor-1262			486.1773	94.3756		7.80	4	40	
Aroclor-1268			486.1773	94.3756		24.28	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229469 ACF DF10 AC98A18 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:31:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0077.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.527		16907	24903
1.584		70343	96179
1.638		69783	159382
1.663		59203	59371
1.689		40406	28074
1.715		16596	11975
1.738		46915	57415
1.756		25668	15784
1.777		5596	3079
1.816		18595	9558
1.836		44214	30928
1.862		25845	18703
1.886		20865	14766
1.927		46403	34594
1.947		67234	70149
1.969		50699	37879
1.994		39395	26889
2.011		66500	64197
2.035		54299	69045
2.059		62617	59885
2.081		56531	67685
2.117		78352	124155
2.138		61194	53939
2.158		79949	130199
2.208		71110	63462
2.233		63199	48551
2.284		57429	111113
2.321		60000	49834
2.336		37422	21590
2.354		26587	14575
2.373		18461	9250
2.398		74819	133129
2.432		48586	54178
2.456		47903	74987
2.493		50049	59586
2.523		40675	41487
2.548		42606	38495
2.574		44600	63370
2.617		11325	6138
2.64		38802	38141
2.659		27202	13158
2.674		16489	8371
2.698		9537	5478
2.718		18005	14809
2.745		26301	20941
2.763		17291	20978
2.796		9946	4482
2.812		35067	26806
2.842		11883	8027
2.898		374855	286918
2.937	TCX	431365	299594
2.99		18296	14850
3.015		28921	30463

RT A	Compound A	Height A	Area A
3.058		18834	28484
3.102		15412	8802
3.121		17496	14864
3.147		17751	8749
3.166		5889	2824
3.184		15513	17834
3.219		37075	18517
3.233		55152	32301
3.256		468892	309246
3.283		83539	54996
3.303		11317	5583
3.334		10043	7080
3.359		22970	17407
3.383		16269	9738
3.406		37382	50772
3.477		14210	8829
3.496		38268	34205
3.549		33265	34094
3.562		19047	7865
3.581		60584	50909
3.604		8033	4121
3.629		40073	47338
3.684		34648	17977
3.694		21700	13502
3.732		45734	36693
3.773		7376	9178
3.79		19256	9447
3.803		10233	6404
3.834		18653	12739
3.859		514457	369131
3.885		209734	141467
3.907		142904	85107
3.931		3967	2043
3.957		23065	21184
3.981		337299	242161
4.005		51229	31423
4.037		60357	37633
4.071		198752	173517
4.111		35368	29607
4.139		19800	22171
4.173		14355	9633
4.195		55544	45400
4.229		1113794	782093
4.248		373978	206036
4.273		425357	345318
4.341		414746	357670
4.384		2034413	1999750
4.418		715906	570414
4.458		36694	26284
4.48		122916	92805
4.521		608714	539553
4.572		847891	642263
4.589		75993	26146
4.602		148769	86809
4.633		2575827	2131722
4.682		1002875	1061720
4.717		392774	294046
4.758		2551209	2354787
4.804		190042	159400
4.845		1598966	1517513
4.876		38729	24001
4.904		558715	548080
4.956		3046905	3700456
5.007		403466	356369
5.046		1558381	1738386
5.09		108984	75015

RT A	Compound A	Height A	Area A
5.127		335068	414900
5.16		4125318	3728034
5.183		209117	105161
5.203		112528	55595
5.227		1606118	1393191
5.27		1134531	1129441
5.311		19647	17947
5.343		13231	9614
5.365		653157	498122
5.389		1482878	1236847
5.446		893796	827407
5.485		648952	651606
5.525		111025	151191
5.567		894949	896951
5.602		84454	59118
5.626		4975023	4620990
5.661		51320	35404
5.788		5127	5074
5.83		3357900	3099495
5.861		278724	188651
5.887		621149	639433
5.996		102090	85419
6.021		35535	25763
6.051		2180	1338
6.073		112352	85336
6.1		589808	539210
6.166		28025	33322
6.228		10033	7192
6.255		1190572	1114253
6.299		69804	66461
6.341		5208	4815
6.412		1661	834
6.456		207135	193368
6.569		4511	4066
6.602	DCB	392014	392782
6.637		5297	3049
6.663		2685	1821
6.701		1687	1036
6.736		2315	1093
6.806		3795	4466
6.848		17051	25575
6.924		2749	1645
6.948		1207	491
6.974		1368	1393
6.997		1453	1294
7.119		2262	2946
7.144		1406	423
7.168		1939	948
7.205		1826	591
7.275		2205	1770
7.312		1771	544
7.398		2324	1523
7.462		1516	911
7.512		1009	1209
7.531		1959	615
7.582		1711	578
7.599		1224	758
7.612		1403	467
7.643		1602	1588
7.654		1978	868
7.725		1591	814
7.773		1315	611
7.813		1702	1227
7.825		1770	546
7.951		29283	43706
8.021		1299	683

RT A	Compound A	Height A	Area A
8.041		1220	818
8.201		1529	850
8.272		1507	1410
8.364		1216	966
8.414		1172	1101
8.434		1130	609
8.463		1216	701
8.493		1276	1159
8.566		1394	402
8.601		1183	374
8.666		1993	2058

LANCASTER LABORATORIES

Sample Number: 9229469 ACF DF10 AC98A18 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:31:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0077.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.506		5959	3560
1.529		9956	5510
1.554		17431	18846
1.584		15835	16251
1.6		18500	13285
1.618		25349	58493
1.688		25145	34811
1.711		25194	31856
1.743		18718	17294
1.767		21981	22582
1.788		59756	62201
1.815		30871	39824
1.853		33411	40527
1.877		24573	16208
1.9		46135	39411
1.932		67900	62313
1.956		32749	33147
1.98		27508	31791
1.997		26731	20747
2.028		19809	19670
2.055		20589	23135
2.079		18089	16150
2.146		50599	41371
2.168		9434	7462
2.207		11314	5758
2.225		7202	3320
2.242		3914	1853
2.267		6002	5446
2.297		29495	30489
2.341		74755	55871
2.395		2936	1245
2.41		15722	16980
2.441		3986	2011
2.479		39549	37194
2.516		13127	12241
2.555		6809	7204
2.591	TCX	668533	505765
2.625		21221	9130
2.673		10119	15937
2.738		18876	15024
2.789		36048	23815
2.809		11854	6288
2.846		4211	1986
2.862		2617	1015
2.889		665999	444353
2.921		39441	22242
2.947		64467	41309
2.984		32127	31738
3.045		13141	11174
3.071		14645	8442
3.084		27081	10958
3.129		16055	12994
3.162		18072	10771
3.181		7736	3842

3.206	52099	30546
3.225	14493	9284
3.246	26263	24584
3.27	5033	1911
3.288	13155	9196
3.307	5340	2922
3.317	7836	3157
3.332	27613	18122
3.355	30158	13663
3.363	78319	34481
3.384	29397	13194
3.397	34996	15972
3.412	11428	5096
3.448	3291	3411
3.471	68851	44663
3.507	793482	476621
3.529	364500	199016
3.547	145301	73793
3.586	34409	27884
3.611	26135	13589
3.632	519486	320627
3.655	102527	54979
3.676	108936	73566
3.705	15704	7006
3.721	265602	166198
3.761	64473	44750
3.802	52188	46408
3.832	235481	135944
3.854	2416062	1594545
3.879	370360	207659
3.898	255075	137977
3.917	543753	340734
3.953	2679839	1877694
3.984	884713	545789
4.001	381831	184070
4.04	31458	14725
4.061	177665	119176
4.096	777790	568496
4.119	19843	13335
4.152	1694529	1201048
4.191	445836	467297
4.212	3184128	3018549
4.25	677183	677281
4.303	4306458	3325143
4.34	275780	229828
4.373	1983225	1417280
4.397	1058829	720574
4.439	5453587	4390750
4.492	49329	35858
4.54	3390265	3544416
4.59	1568934	1314996
4.631	1173086	1011530
4.667	6200230	5032145
4.7	1827506	1234145
4.738	1660226	1286101
4.78	11262	5638
4.81	30334	25721
4.837	343277	237290
4.854	183540	105192
4.887	2292651	1755331
4.91	815527	565748
4.961	1529062	1346066
4.996	792839	651162
5.027	586461	456455
5.059	676866	428260
5.082	7102474	5349508
5.123	150755	106743

5.154		203251	166147
5.246		8728	9274
5.274		57387	34434
5.297		1054723	885115
5.341		4155968	4489259
5.497		167119	136949
5.544		178094	150360
5.566		22635	12264
5.589		115903	80823
5.615		674437	553528
5.66		15059	15111
5.697		25037	15517
5.724		1581401	1328843
5.756		100169	72971
5.799		17343	19698
5.925		315161	279839
6.084	DCB	583266	537572
6.121		18728	17859
6.215		2904	5088
6.261		7237	5594
6.283		98078	83322
6.449		3376	4110
6.526		28830	35898
6.616		2302	4275
6.729		2714	4205
6.765		4409	5512
6.943		1432	5072
6.985		6149	5647
7.1		1446	2025
7.241		839	1144
7.427		2852	4617
7.513		53135	67785
7.618		3542	3944
7.718		4070	5538
7.813		3880	6765
7.922		975	804
8.163		9032	17624

9229469 ACF DF10 AC98A18 T 172820027A 10225 SW-846 8082

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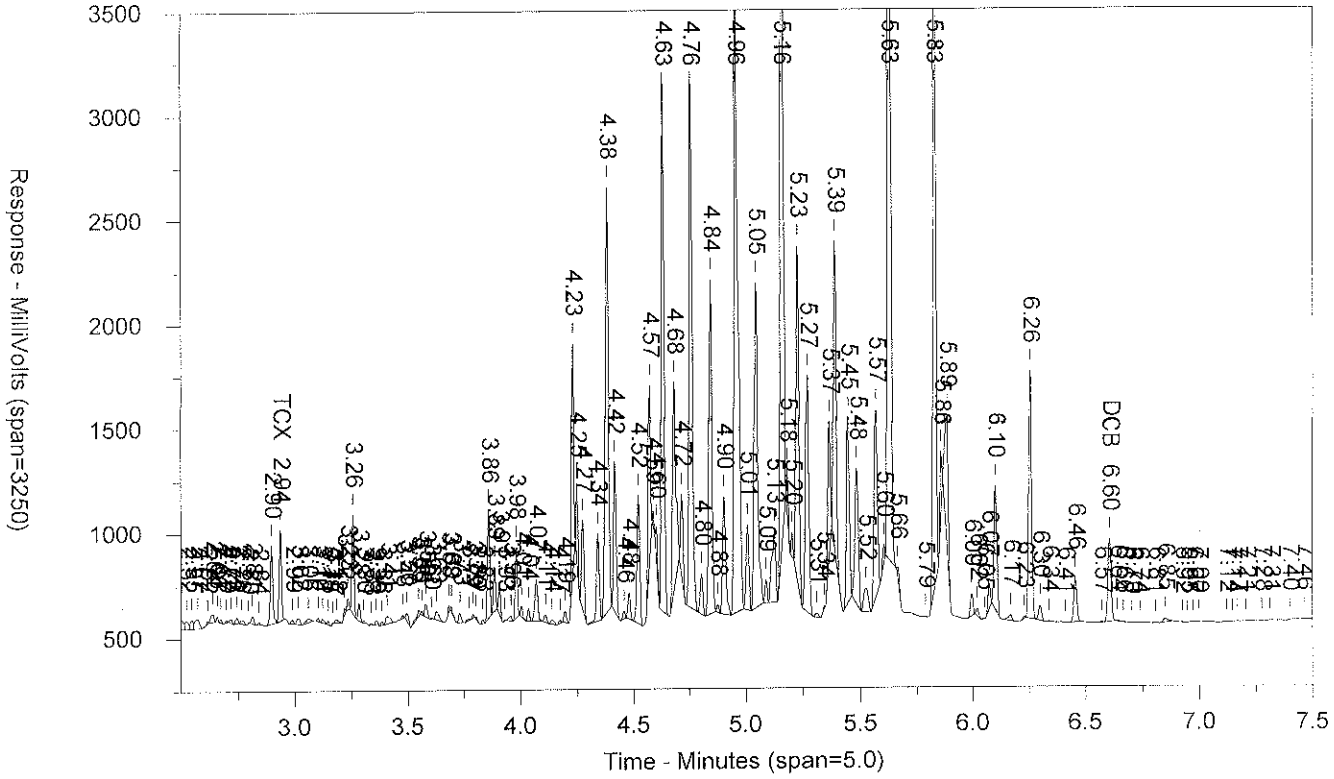

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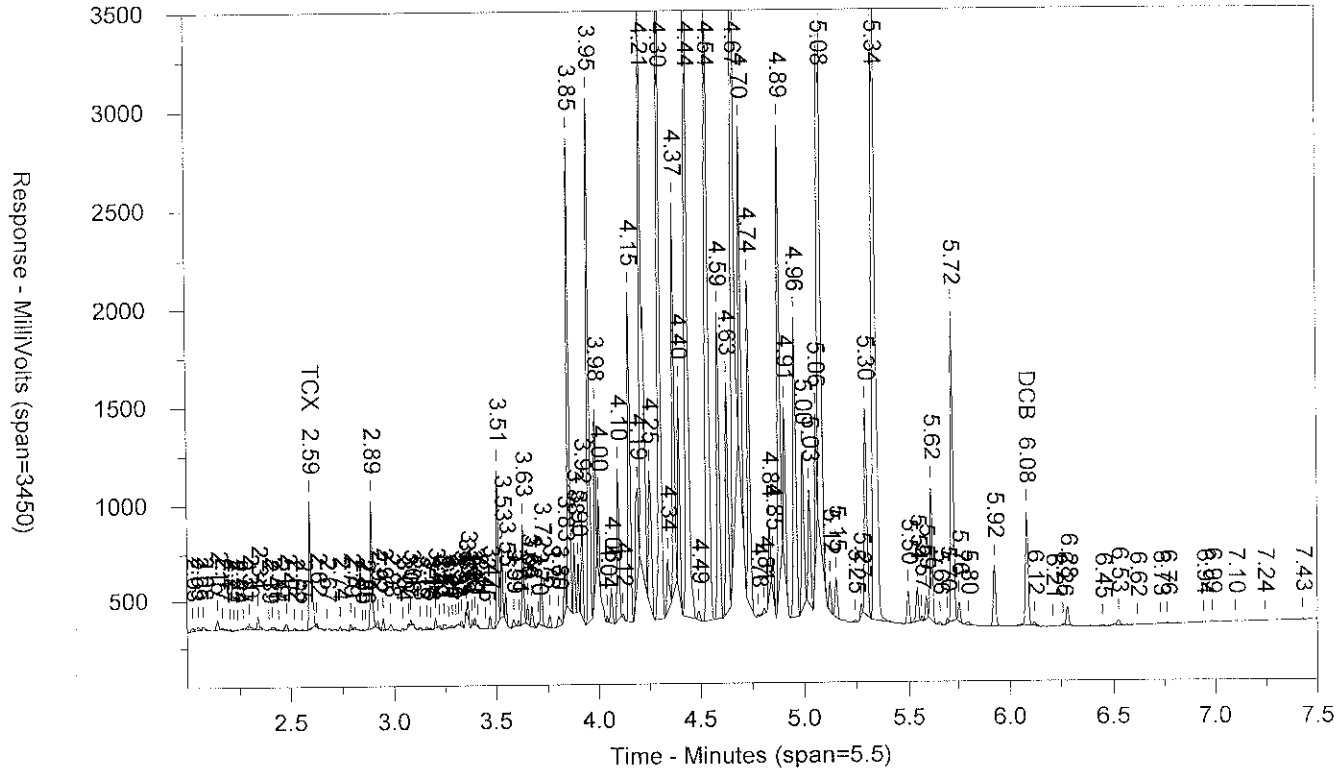

LANCASTER LABORATORIES

Sample Number: 9229469 ACF DF10 AC98A18 T 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 9:31:28 AM
Sample Weight: 10.49
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	431365	15.001	TCX	2.591	668533	15.374	TCX
6.602	392014	18.52	DCB	6.084	583266	14.688	DCB

Files:
Area File: 07PCBS17284001.0077.RAW
Area File: 07PCBS17284001B.0077.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:40:10 AM
File Reported On: 10/12/2017 at 9:40:24 AM

9229469 ACF DF10 AC98A18 T 172820027A 10225 SW-846 8082

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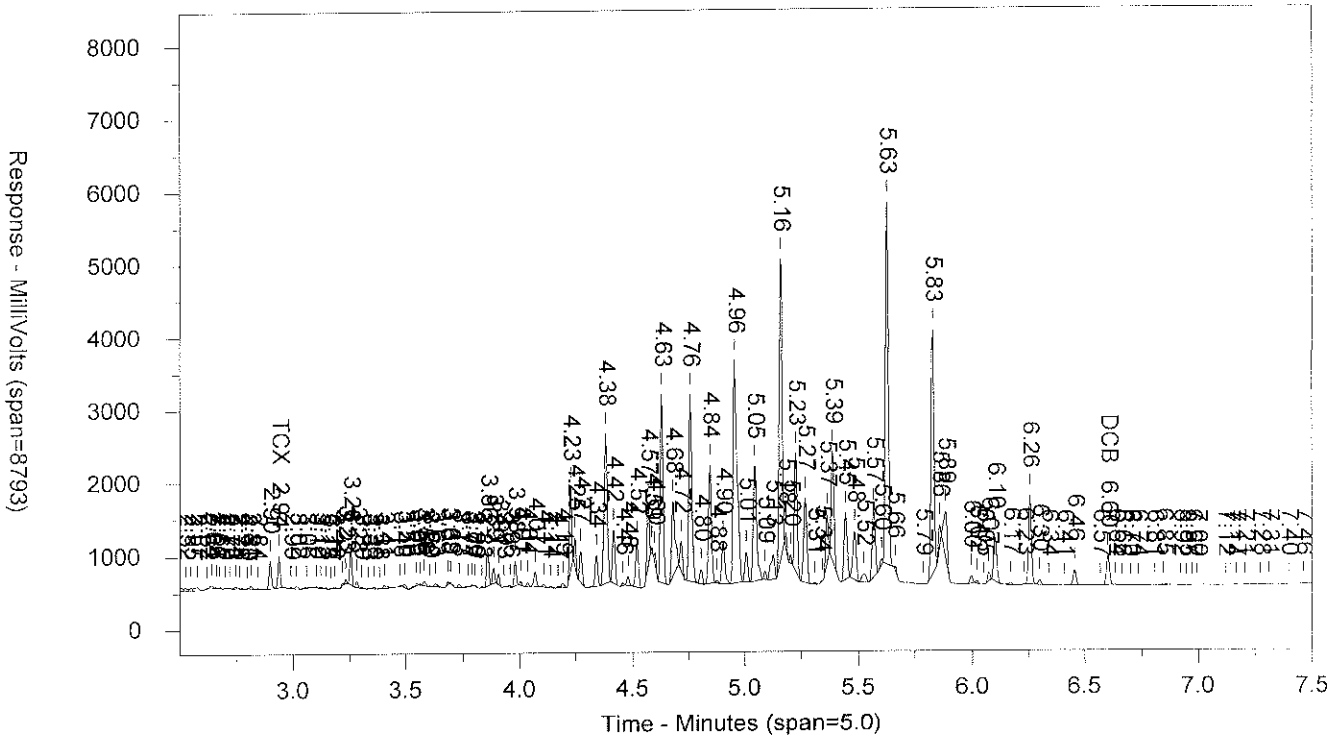

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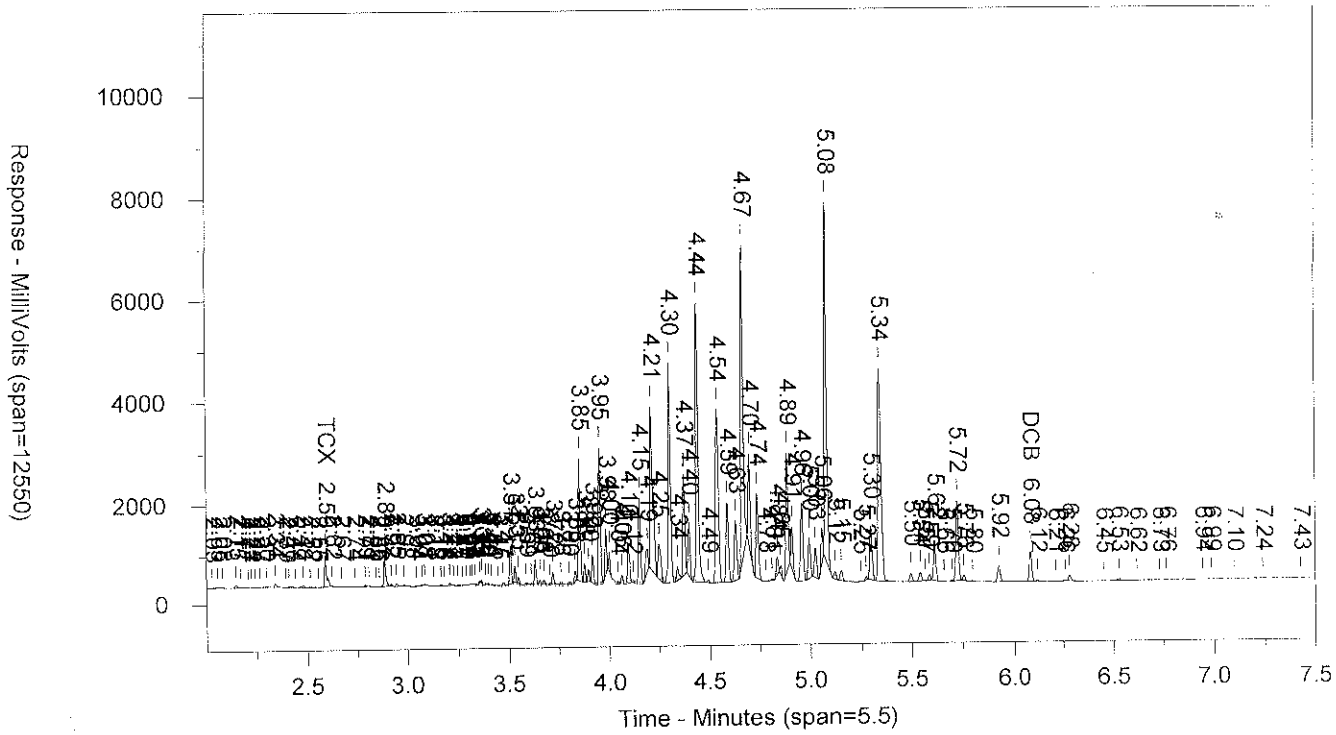

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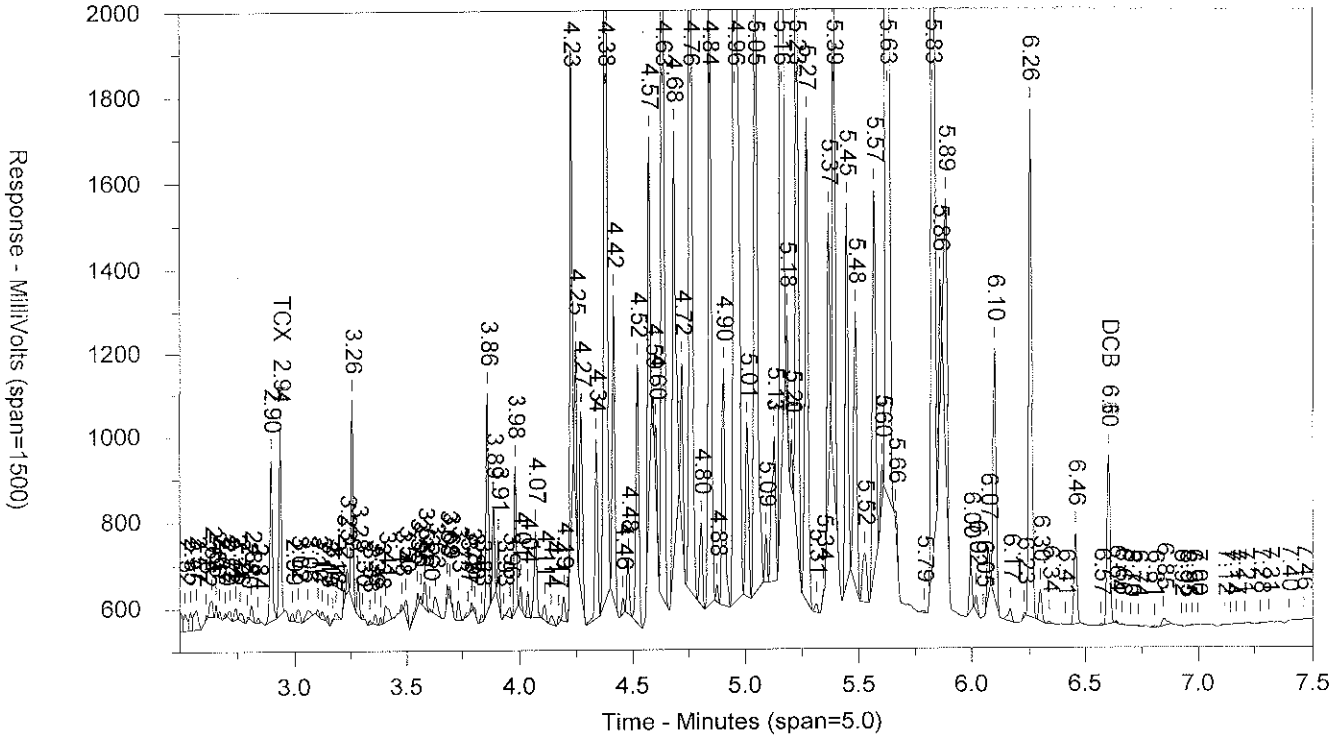

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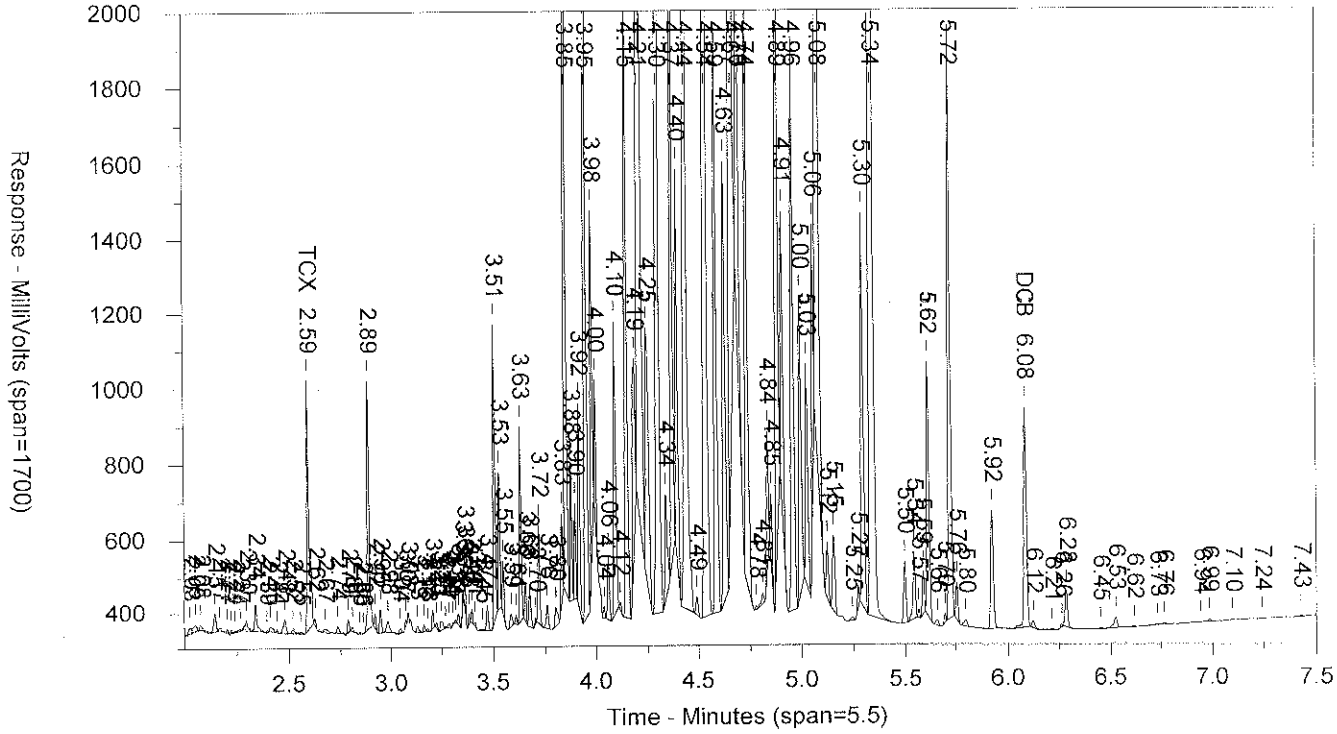

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\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

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17284001.seq

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

Number of Entries: 102

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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

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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\07PCBS17284001.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 131

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	1728399999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	
5 IBLKX1724B	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
6 EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
7 AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1728399999	10736
8 AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1728399999	10736
9 AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1728399999	10736
10 AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1728399999	10736
11 AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1728399999	10736
12 AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1728399999	10736
13 AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
14 AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
15 AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
16 AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
17 AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
18 AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
19 AR5411724C	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
20 AR5421724C	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
21 AR5431724C	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
22 AR5441724C	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
23 AR5451724C	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
24 AR5461724B	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
25 AR6231724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
26 AR6831724B	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
27 AR2131724A	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
28 AR3241724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
29 AR4231724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
30 MD16X1724B	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
31 AR16XX1724B	31	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
32 IC16X1724C	32	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
33 IC48X1724B	33	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
34 IC54X1724B	34	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
35 9238122MSD RI ACF	35	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.21	10	1	0	172770038A	10885
36 9238124 RI ACF	36	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.09	10	1	0	172770038A	10885
37 9238125 RI ACF	37	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.19	10	1	0	172770038A	10885
38 9238126 RI ACF	38	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172770038A	10885
39 9238127 RI ACF	39	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.01	10	1	0	172770038A	10885
40 9238128 RI ACF	40	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.4	10	1	0	172770038A	10885
41 9238129 RI ACF	41	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.37	10	1	0	172770038A	10885
42 9238130 RI ACF	42	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.34	10	1	0	172770038A	10885
43 9238131 RI ACF	43	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	10	1	0	172770038A	10885
44 9238132 RI ACF	44	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.27	10	1	0	172770038A	10885
45 AR1641724B	45	CCAL	KU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
46 IBLKX1724B	46	PIBLK	RT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
47 BLANKA 10/9/17 ACF	47	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172820028A	10225
48 LCSA 10/9/17 ACF	48	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172820028A	10225
49 9229478 ACF DF200	49	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	2000	1	0	172820028A	10225
50 9229478 ACF DF500	50	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	5000	1	0	172820028A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17284001.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 131

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9229479 ACF DF50	51	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	500	1	0	172820028A	10225
52 9229480 ACF DF50	52	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	500	1	0	172820028A	10225
53 9229480 ACF DF100	53	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	1000	1	0	172820028A	10225
54 9229481 ACF DF50	54	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	500	1	0	172820028A	10225
55 9229482 ACF DF20	55	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.33	200	1	0	172820028A	10225
56 9229483 ACF DF100	56	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	1000	1	0	172820028A	10225
57 9229484 ACF DF50	57	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	500	1	0	172820028A	10225
58 9229485MS ACF DF50	58	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	500	1	0	172820028A	10225
59 9229486MSD ACF DF50	59	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	500	1	0	172820028A	10225
60 9229487 ACF DF50	60	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	500	1	0	172820028A	10225
61 9229488 ACF DF20	61	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	200	1	0	172820028A	10225
62 9229489 ACF DF100	62	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.22	1000	1	0	172820028A	10225
63 9229493 ACF DF500	63	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.31	5000	1	0	172820028A	10225
64 9229494 ACF DF500	64	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	5000	1	0	172820028A	10225
65 9229494 ACF DF1000	65	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	10000	1	0	172820028A	10225
66 BLANKA 10/9/17 ACF	66	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172820027A	10225
67 AR1641724B	67	CCAL	KV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
68 IBLKX1724B	68	PIBLK	RU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
69 LCSA 10/9/17 ACF	69	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172820027A	10225
70 9229463 ACF DF10	70	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172820027A	10225
71 9229464 ACF DF50	71	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	500	1	0	172820027A	10225
72 9229465 ACF DF20	72	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.1	200	1	0	172820027A	10225
73 9229466MS ACF DF20	73	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	200	1	0	172820027A	10225
74 9229467MSD ACF DF20	74	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	200	1	0	172820027A	10225
75 9229468 ACF DF10	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	100	1	0	172820027A	10225
76 9229468 ACF DF20	76	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.12	200	1	0	172820027A	10225
77 9229469 ACF DF10	77	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.49	100	1	0	172820027A	10225
78 9229470 ACF DF200	78	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.23	2000	1	0	172820027A	10225
79 9229471 ACF DF100	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.07	1000	1	0	172820027A	10225
80 9229472 ACF DF1000	80	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	10000	1	0	172820027A	10225
81 9229473 ACF DF1000	81	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	10000	1	0	172820027A	10225
82 9229474 ACF DF100	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	1000	1	0	172820027A	10225
83 9229475 ACF DF50	83	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	500	1	0	172820027A	10225
84 9229475 ACF DF100	84	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	1000	1	0	172820027A	10225
85 9229476 ACF DF100	85	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	1000	1	0	172820027A	10225
86 9229477 ACF DF500	86	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	5000	1	0	172820027A	10225
87 AR1641724B	87	CCAL	KW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
88 IBLKX1724B	88	PIBLK	RV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
89 BLANKA 10/7/17 AF	89	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	10	1	0	172790010A	13713
90 LCSA 10/7/17 AF	90	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172790010A	13713
91 LCSDA 10/7/17 AF	91	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	10	1	0	172790010A	13713
92 9234872 AF DF10	92	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	100	1	0	172790010A	13713
93 9234873 AF DF5	93	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	50	1	0	172790010A	13713
94 9234874 RI AF	94	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	10	1	0	172790010A	13713
95 9234875 AF DF10	95	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	100	1	0	172790010A	13713
96 9234876 AF DF5	96	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	50	1	0	172790010A	13713
97 9234877 AF DF10	97	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	100	1	0	172790010A	13713
98 9234878 AF DF5	98	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	50	1	0	172790010A	13713
99 AR1641724B	99	CCAL	KX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
100 IBLKX1724B	100	PIBLK	RW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 131

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9234879 AF DF5	101	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	50	1	0	172790010A	13713
102 9234880 RI AF	102	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172790010A	13713
103 9234881 AF DF5	103	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	50	1	0	172790010A	13713
104 9234882 AF DF5	104	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	50	1	0	172790010A	13713
105 9234883 AF DF5	105	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	50	1	0	172790010A	13713
106 9234884 RI AF	106	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	10	1	0	172790010A	13713
107 9234885 AF DF5	107	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	50	1	0	172790010A	13713
108 9234886 RI AF	108	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172790010A	13713
109 9234887 AF DF5	109	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	50	1	0	172790010A	13713
110 9234888 RI AF	110	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	10	1	0	172790010A	13713
111 AR1641724B	111	CCAL	KY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
112 IBLKX1724B	112	PIBLK	RX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
113 9234889 AF DF5	113	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.1	50	1	0	172790010A	13713
114 9234890 AF DF5	114	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	50	1	0	172790010A	13713
115 9234891 AF DF5	115	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	50	1	0	172790010A	13713
116 BLANKA 10/7/17 AF	116	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	10	1	0	172790011A	13713
117 LCSA 10/7/17 AF	117	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172790011A	13713
118 LCSDA 10/7/17 AF	118	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	10	1	0	172790011A	13713
119 9234912 RI AF	119	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	10	1	0	172790011A	13713
120 9234912 AF DF5	120	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.3	50	1	0	172790011A	13713
121 9234913 AF DF5	121	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	50	1	0	172790011A	13713
122 9234914 AF DF5	122	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	50	1	0	172790011A	13713
123 AR1641724B	123	CCAL	KZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
124 IBLKX1724B	124	PIBLK	RY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736
125 9234915 AF DF5	125	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	50	1	0	172790011A	13713
126 9234916 AF DF10	126	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.4	100	1	0	172790011A	13713
127 9234917 AF DF20	127	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	200	1	0	172790011A	13713
128 9234918 AF DF5	128	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	50	1	0	172790011A	13713
129 9234919 AF DF5	129	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.5	50	1	0	172790011A	13713
130 AR1641724B	130	CCAL	LA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1728399999	10736
131 IBLKX1724B	131	PIBLK	RZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1728399999	10736

DB12669

10/12/17

Set-up by: 285S Date: 12Oct17

10/12/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs17289001.seq

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

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

Number of Entries: 56

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	1728899999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728899999	10225
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1728899999	10225
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1728899999	10225
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1728899999	10225
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1728899999	10225
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1728899999	10225
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	1728899999	10225
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
19 AR5411724C	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
20 AR5421724C	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
21 AR5431724C	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
22 AR5441724C	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
23 AR5451724C	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
24 AR5461724B	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
25 AR6231724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
26 AR6831724B	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
27 AR2141724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
29 AR4241724A	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
34 IC54X1724B	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
35 9262085 RI ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172860002A	10736
36 BLANKA 10/11/17 RI ACF	36	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172830027A	10736
37 LCSA 10/11/17 RI ACF	37	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172830027A	10736
38 AR1641724B	38	CCAL	MZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
39 IBLKX1724B	39	PIBLK	UZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728899999	10225
40 9254439 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172830027A	10736
41 9254439 RI ACF DF5	41	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172830027A	10736
42 9254444 RI ACF	42	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	10	1	0	172830027A	10736
43 9254449 RI ACF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172830027A	10736
44 9254454 RI ACF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.22	10	1	0	172830027A	10736
45 9254459 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	10	1	0	172830027A	10736
46 9254464 RI ACF	46	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	10	1	0	172830027A	10736
47 9254559 RI ACF	47	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.12	10	1	0	172830027A	10736
48 9254560 RI ACF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	10	1	0	172830027A	10736
49 9254561 RI ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	10	1	0	172830027A	10736
50 9254562 RI ACF	50	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.22	10	1	0	172830027A	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBs17289001.seq

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

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

Number of Entries: 56

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9254563 RI ACF	51	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	10	1	0	172830027A	10736
52 9254563MS RI ACF	52	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.37	10	1	0	172830027A	10736
53 9254563MSD RI ACF	53	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.32	10	1	0	172830027A	10736
54 9254564 RI ACF	54	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.26	10	1	0	172830027A	10736
55 AR1641724B	55	CCAL	NA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728899999	10225
56 IBLKX1724B	56	PIBLK	VA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728899999	10225

✓ DD 10/16/17

Set-up by: 12855 Date: 16 Oct 17

10/16/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17284003.seq

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

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

Number of Entries: 120

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	1728799999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
5 AR1641724B	5	CCAL	ML	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
6 IBLKX1724B	6	PIBLK	UJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
7 BLANKA 10/13/17 ACF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
8 LCSA 10/13/17 ACF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
9 AR1641724B	9	CCAL	MM	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
10 IBLKX1724B	10	PIBLK	UK	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
11 9252480 ACF	11	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172850021A	10885
12 9252482 ACF	12	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172850021A	10885
13 9254559 ACF	13	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	10	1	0	172850021A	10885
14 9254560 ACF	14	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
15 9254561 ACF	15	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
16 9254562 ACF	16	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
17 9254563 ACF	17	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172850021A	10885
18 9254564 ACF	18	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172850021A	10885
19 9255423 ACF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	172850021A	10885
20 9255423MS ACF	20	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172850021A	10885
21 9255423MSD ACF	21	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172850021A	10885
22 9255424 ACF DF10	22	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.11	100	1	0	172850021A	10885
23 9255425 ACF	23	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	172850021A	10885
24 9255425 ACF DF5	24	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	50	1	0	172850021A	10885
25 9255426 ACF DF20	25	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	200	1	0	172850021A	10885
26 BLANKA 10/12/17 ACF	26	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172840023A	10736
27 LCSA 10/12/17 ACF	27	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172840023A	10736
28 AR1641724B	28	CCAL	MN	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
29 IBLKX1724B	29	PIBLK	UL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
30 9251541 ACF	30	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.22	10	1	0	172840023A	10736
31 9251542 ACF	31	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.18	10	1	0	172840023A	10736
32 9251543 ACF	32	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	10	1	0	172840023A	10736
33 9251544 ACF	33	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.08	10	1	0	172840023A	10736
34 9251545 ACF	34	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172840023A	10736
35 9251546 ACF	35	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	10	1	0	172840023A	10736
36 9251547 ACF	36	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	10	1	0	172840023A	10736
37 9251547 ACF DF5	37	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	50	1	0	172840023A	10736
38 9251548 ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	10	1	0	172840023A	10736
39 9251549 ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172840023A	10736
40 9254061 ACF DF10	40	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	100	1	0	172840023A	10736
41 9254062 ACF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.14	10	1	0	172840023A	10736
42 9254062 ACF DF5	42	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.14	50	1	0	172840023A	10736
43 9254063MS ACF	43	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	10	1	0	172840023A	10736
44 9254063MS ACF DF5	44	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	50	1	0	172840023A	10736
45 9254064MSD ACF	45	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172840023A	10736
46 9254064MSD ACF DF5	46	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	50	1	0	172840023A	10736
47 9254066 ACF DF5	47	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.25	50	1	0	172840023A	10736
48 9255927 ACF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172840023A	10736
49 9255929 ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172840023A	10736
50 AR1641724B	50	CCAL	MO	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17284003.seq

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

Number of Entries: 120

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 IBLKX1724B	51	PIBLK	UM	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
52 9255931 ACF	52	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172840023A	10736
53 9255933 ACF	53	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	172840023A	10736
54 9255937 ACF	54	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	172840023A	10736
55 9255939 ACF	55	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172840023A	10736
56 9255941 ACF	56	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	10	1	0	172840023A	10736
57 9255943 ACF	57	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172840023A	10736
58 AR1641724B	58	CCAL	MP	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
59 IBLKX1724B	59	PIBLK	UN	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
60 AR4241724A	60	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
61 AR4841724C	61	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
62 AR5441724C	62	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
63 BLANKA 10/14/17 ACF	63	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172860002A	10736
64 LCSA 10/14/17 ACF	64	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172860002A	10736
65 LCSD 10/14/17 ACF	65	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172860002A	10736
66 AR1641724B	66	CCAL	MQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
67 IBLKX1724B	67	PIBLK	UO	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
68 9261989 RI ACF	68	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.08	10	1	0	172860002A	10736
69 9261989 ACF DF5	69	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.08	50	1	0	172860002A	10736
70 9262076 RI ACF	70	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	172860002A	10736
71 9262081 RI ACF	71	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.29	10	1	0	172860002A	10736
72 9262082 RI ACF	72	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172860002A	10736
73 9262083 RI ACF	73	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	10	1	0	172860002A	10736
74 9262084 RI ACF	74	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.22	10	1	0	172860002A	10736
75 9262085 RI ACF	75	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172860002A	10736
76 9262086 RI ACF	76	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	172860002A	10736
77 9262087 RI ACF	77	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	10	1	0	172860002A	10736
78 9262088 RI ACF	78	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	10	1	0	172860002A	10736
79 9262089 RI ACF	79	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	10	1	0	172860002A	10736
80 9262090 RI ACF	80	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	10	1	0	172860002A	10736
81 9262095 RI ACF	81	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.12	10	1	0	172860002A	10736
82 9262287 RI ACF	82	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172860002A	10736
83 9262327 RI ACF	83	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172860002A	10736
84 CONDITIONER	84	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
85 9262327 ACF DF5	85	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172860002A	10736
86 CONDITIONER	86	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
87 AR1641724B	87	CCAL	MR	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
88 IBLKX1724B	88	PIBLK	UP	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
89 9262327 ACF DF10	89	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	100	1	0	172860002A	10736
90 CONDITIONER	90	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
91 9262328 RI ACF	91	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000004	10	1	0	172860002A	10736
92 9262331 RI ACF	92	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172860002A	10736
93 9262331 ACF DF5	93	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172860002A	10736
94 9262332 ACF DF5	94	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	50	1	0	172860002A	10736
95 9262333 RI ACF	95	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172860002A	10736
96 CONDITIONER	96	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
97 9262333 ACF DF5	97	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	50	1	0	172860002A	10736
98 CONDITIONER	98	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	
99 9262334 RI ACF	99	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	10	1	0	172860002A	10736
100 AR1641724B	100	CCAL	MS	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225

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

Number of Entries: 120

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 IBLKX1724B	101	PIBLK	UQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225
102 9229427 RI ACF DF200	102	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	2000	1	0	172790013A	10225
103 9229428 RI ACF DF50	103	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	500	1	0	172790013A	10225
104 9229429 RI ACF DF50	104	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.02	500	1	0	172790013A	10225
105 9229430 RI ACF DF100	105	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.08	1000	1	0	172790013A	10225
106 9229450 RI ACF DF50	106	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.05	500	1	0	172790013A	10225
107 9229451 RI ACF DF50	107	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.12	500	1	0	172790013A	10225
108 9229452 RI ACF DF200	108	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	2000	1	0	172790013A	10225
109 9229453 RI ACF DF100	109	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.49	1000	1	0	172790013A	10225
110 9229454 RI ACF DF50	110	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	500	1	0	172790013A	10225
111 9229455 RI ACF DF50	111	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	500	1	0	172790013A	10225
112 9229456 RI ACF DF100	112	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.03	1000	1	0	172790013A	10225
113 9229457 RI ACF DF50	113	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.25	500	1	0	172790013A	10225
114 9229458 RI ACF DF50	114	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
115 9229459 RI ACF DF50	115	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172790013A	10225
116 9229460 RI ACF DF5	116	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.01	50	1	0	172790013A	10225
117 9229461 RI ACF DF50	117	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	500	1	0	172790013A	10225
118 9229462 RI ACF DF20	118	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.14	200	1	0	172790013A	10225
119 AR1641724B	119	CCAL	MT	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1728799999	10225
120 IBLKX1724B	120	PIBLK	UR	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1728799999	10225

Shalinie Dowlatram
Specialist

OCT 16 2017

Set-up by: 72855 Date: 15 Oct 17

10/15/2017

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Number of Entries: 127

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1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	
5 AR1641724B	5	CCAL	SB	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
6 IBLKX1724B	6	PIBLK	CI	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
7 BLANKA 10/28/17 ACF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	173010001A	10592
8 LCSA 10/28/17 ACF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	173010001A	10592
9 AR1641724B	9	CCAL	SC	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
10 IBLKX1724B	10	PIBLK	CJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
11 9285127 ACF	11	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	173010001A	10592
12 9285127 ACF DF5	12	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	50	1	0	173010001A	10592
13 9285130 ACF	13	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.42	10	1	0	173010001A	10592
14 9285130 ACF DF5	14	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.42	50	1	0	173010001A	10592
15 9285130 ACF DF10	15	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.42	100	1	0	173010001A	10592
16 9285133 ACF	16	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	173010001A	10592
17 9286737 ACF DF50	17	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30	500	1	0	173010001A	10592
18 9286737 ACF DF100	18	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30	1000	1	0	173010001A	10592
19 9286738 ACF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	10	1	0	173010001A	10592
20 9286739 ACF DF20	20	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	200	1	0	173010001A	10592
21 9286739 ACF DF50	21	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	500	1	0	173010001A	10592
22 9286740 ACF DF50	22	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30	500	1	0	173010001A	10592
23 9286740 ACF DF100	23	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30	1000	1	0	173010001A	10592
24 9286740MS ACF DF50	24	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30	500	1	0	173010001A	10592
25 9286740MS ACF DF100	25	MS	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30	1000	1	0	173010001A	10592
26 9286740MSD ACF DF50	26	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	500	1	0	173010001A	10592
27 9286740MSD ACF DF100	27	MSD	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	1000	1	0	173010001A	10592
28 AR1641724B	28	CCAL	SD	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
29 IBLKX1724B	29	PIBLK	CK	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
30 BLANKA 10/26/17 ACF	30	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172990010A	10736
31 LCSA 10/26/17 ACF	31	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172990010A	10736
32 AR1641724B	32	CCAL	SE	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
33 IBLKX1724B	33	PIBLK	CL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
34 9282463 ACF	34	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172990010A	10736
35 9282463MS ACF	35	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172990010A	10736
36 9282463MSD ACF	36	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	172990010A	10736
37 9282464 ACF DF5	37	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	50	1	0	172990010A	10736
38 9282639 ACF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172990010A	10736
39 9282754 ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.33	10	1	0	172990010A	10736
40 BLANKA 10/27/17 ACF	40	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
41 LCSA 10/27/17 ACF	41	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
42 AR1641724B	42	CCAL	SF	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
43 IBLKX1724B	43	PIBLK	CM	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
44 9279788 ACF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.2	10	1	0	172990046A	10225
45 9279794 ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
46 9279794 ACF DF5	46	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	3	50	1	0	172990046A	10225
47 9279794 ACF DF10	47	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	3	100	1	0	172990046A	10225
48 9279794MS ACF	48	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
49 9279794MS ACF DF5	49	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	3	50	1	0	172990046A	10225
50 9279794MS ACF DF10	50	MS	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	3	100	1	0	172990046A	10225

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

Number of Entries: 127

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51 9279794MSD ACF	51	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.4	10	1	0	172990046A	10225
52 9279794MSD ACF DF5	52	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	3.4	50	1	0	172990046A	10225
53 9279794MSD ACF DF10	53	MSD	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	3.4	100	1	0	172990046A	10225
54 9283386 ACF	54	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.2	10	1	0	172990046A	10225
55 9283388 ACF	55	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
56 9283390 ACF	56	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
57 9283392 ACF	57	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
58 9283394 ACF	58	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3.5	10	1	0	172990046A	10225
59 9283396 ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	3	10	1	0	172990046A	10225
60 AR1641724B	60	CCAL	SG	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
61 IBLKX1724B	61	PIBLK	CN	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
62 9281265 ACF	62	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	10	1	0	172980015A	10736
63 9281265 ACF DF5	63	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	50	1	0	172980015A	10736
64 9281265 ACF DF10	64	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	100	1	0	172980015A	10736
65 9255488 RI ACF	65	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.49	10	1	0	172910027A	10885
66 9264179 RI ACF	66	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.16	10	1	0	172910027A	10885
67 9261796 RI ACF	67	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.48	10	1	0	172900018A	10592
68 9261796 ACF DF5	68	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.48	50	1	0	172900018A	10592
69 9262123 RI ACF	69	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.01	10	1	0	172900018A	10592
70 9262123 ACF DF5	70	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.01	50	1	0	172900018A	10592
71 BLANKA 10/26/17 ACF	71	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172990022A	10225
72 AR1641724B	72	CCAL	SH	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
73 IBLKX1724B	73	PIBLK	CO	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
74 LCSA 10/26/17 ACF	74	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172990022A	10225
75 9229453R ACF DF100	75	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	1000	1	0	172990022A	10225
76 9229495R ACF DF500	76	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10	5000	1	0	172990022A	10225
77 9229496R ACF DF50	77	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	500	1	0	172990022A	10225
78 9229497R ACF DF200	78	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	2000	1	0	172990022A	10225
79 9229498R ACF DF500	79	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	5000	1	0	172990022A	10225
80 9229498R ACF DF1000	80	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	10000	1	0	172990022A	10225
81 9229499R ACF DF500	81	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	5000	1	0	172990022A	10225
82 9229500R ACF DF50	82	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	500	1	0	172990022A	10225
83 9229501R ACF DF200	83	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	2000	1	0	172990022A	10225
84 9229502R ACF DF500	84	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.5	5000	1	0	172990022A	10225
85 9229503R ACF DF100	85	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	1000	1	0	172990022A	10225
86 9229504R ACF DF50	86	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	500	1	0	172990022A	10225
87 9229509R ACF DF20	87	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10	200	1	0	172990022A	10225
88 9229510RMS ACF DF20	88	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.1	200	1	0	172990022A	10225
89 9229511RMSD ACF DF2	89	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	200	1	0	172990022A	10225
90 9229512R ACF DF20	90	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	200	1	0	172990022A	10225
91 AR1641724B	91	CCAL	SI	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
92 IBLKX1724B	92	PIBLK	CP	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
93 BLANKA 10/20/17 ACF	93	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920043A	10736
94 LCSA 10/20/17 ACF	94	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172920043A	10736
95 AR1641724B	95	CCAL	SJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
96 IBLKX1724B	96	PIBLK	CQ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
97 9265993 RI ACF	97	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.28	10	1	0	172920043A	10736
98 9265993 ACF DF5	98	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.28	50	1	0	172920043A	10736
99 9265997 RI ACF	99	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.18	10	1	0	172920043A	10736
100 9265997 ACF DF5	100	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.18	50	1	0	172920043A	10736

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

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

Number of Entries: 127

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9266003 RI ACF	101	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.47	10	1	0	172920043A	10736
102 9266007 RI ACF	102	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	172920043A	10736
103 9266007 ACF DF5	103	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	50	1	0	172920043A	10736
104 9266009 RI ACF	104	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	10	1	0	172920043A	10736
105 9266009 ACF DF5	105	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	50	1	0	172920043A	10736
106 9266009MS ACF	106	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	10	1	0	172920043A	10736
107 AR1641724B	107	CCAL	SK	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
108 IBLKX1724B	108	PIBLK	CR	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
109 9266009MS ACF DF5	109	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	50	1	0	172920043A	10736
110 9266009MSD ACF	110	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172920043A	10736
111 9266009MSD ACF DF5	111	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	50	1	0	172920043A	10736
112 9266013 RI ACF	112	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172920043A	10736
113 9266025 RI ACF	113	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.49	10	1	0	172920043A	10736
114 9266027 RI ACF	114	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172920043A	10736
115 9266029 ACF DF10	115	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	100	1	0	172920043A	10736
116 9266055 ACF DF5	116	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.43	50	1	0	172920043A	10736
117 9266059 ACF DF5	117	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	50	1	0	172920043A	10736
118 9266059 ACF DF10	118	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	100	1	0	172920043A	10736
119 AR1641724B	119	CCAL	SL	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
120 IBLKX1724B	120	PIBLK	CS	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225
121 9266063 ACF DF5	121	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	50	1	0	172920043A	10736
122 9266065 RI ACF	122	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.26	10	1	0	172920043A	10736
123 9266071 RI ACF	123	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.04	10	1	0	172920043A	10736
124 9266073 RI ACF	124	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	172920043A	10736
125 9266073 ACF DF5	125	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	50	1	0	172920043A	10736
126 AR1641724B	126	CCAL	SM	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1730199999	10225
127 IBLKX1724B	127	PIBLK	CT	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1730199999	10225

TW 20X
10/30/17

Set-up by: _____ Date: _____

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

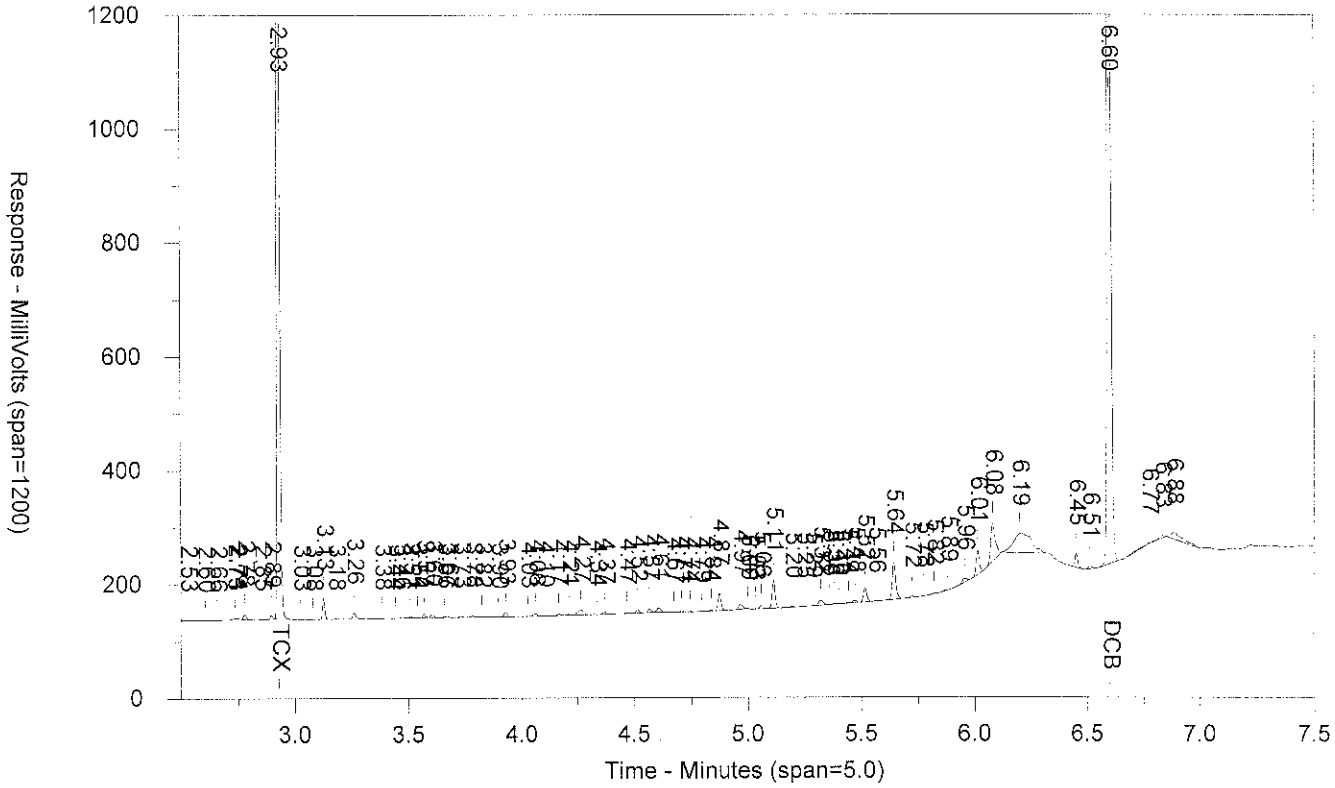
RT B	Compound B	Height B	Area B
2.055		11574	8824
2.144		5375	9835
2.189		6561	9635
2.274		1669	1362
2.409		2781	3532
2.466		8764	58244
2.548		33623	56200
2.614	TCX	5245995	3058044
2.703		2268	3075
2.832		73971	48767
2.899		3296	2981
2.948		12477	8319
3.009		2771	2503
3.068		1636	5005
3.126		1083	3275
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

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.005.RAW



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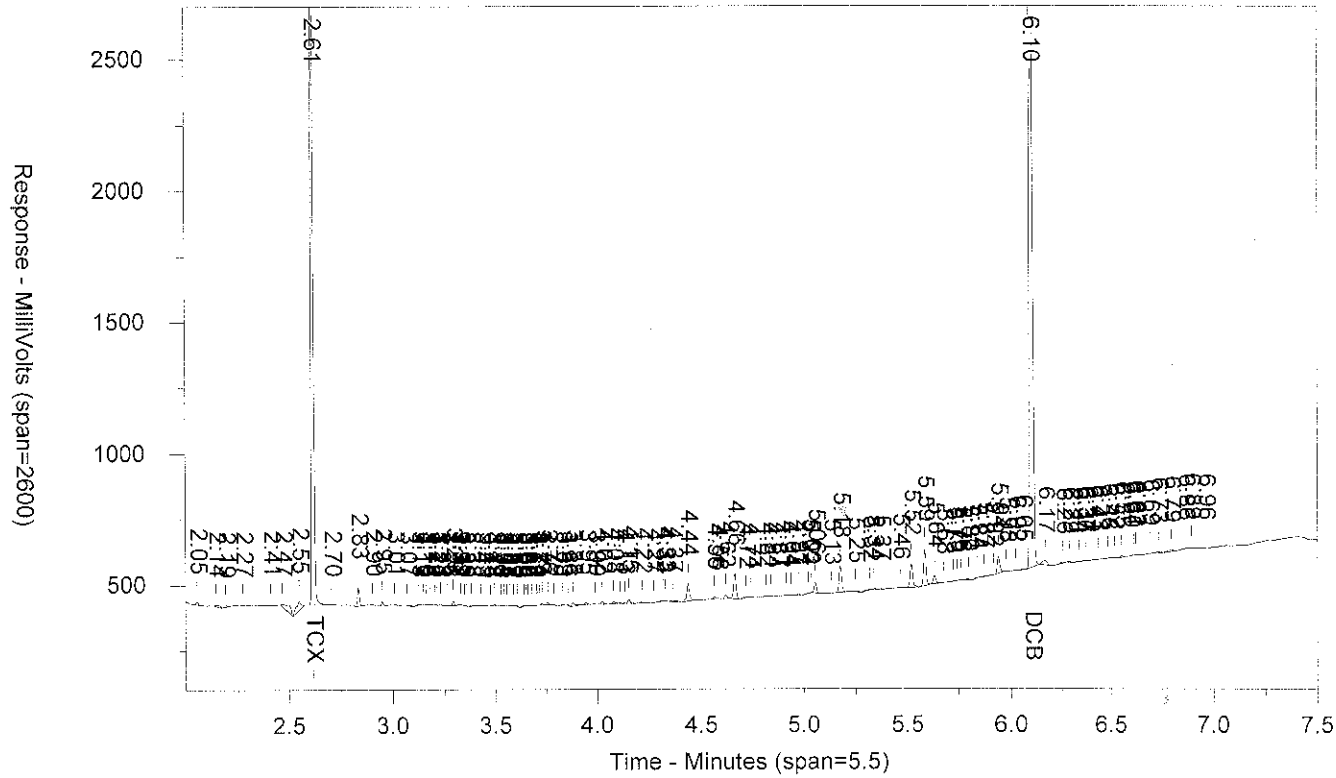

LANCASTER LABORATORIES

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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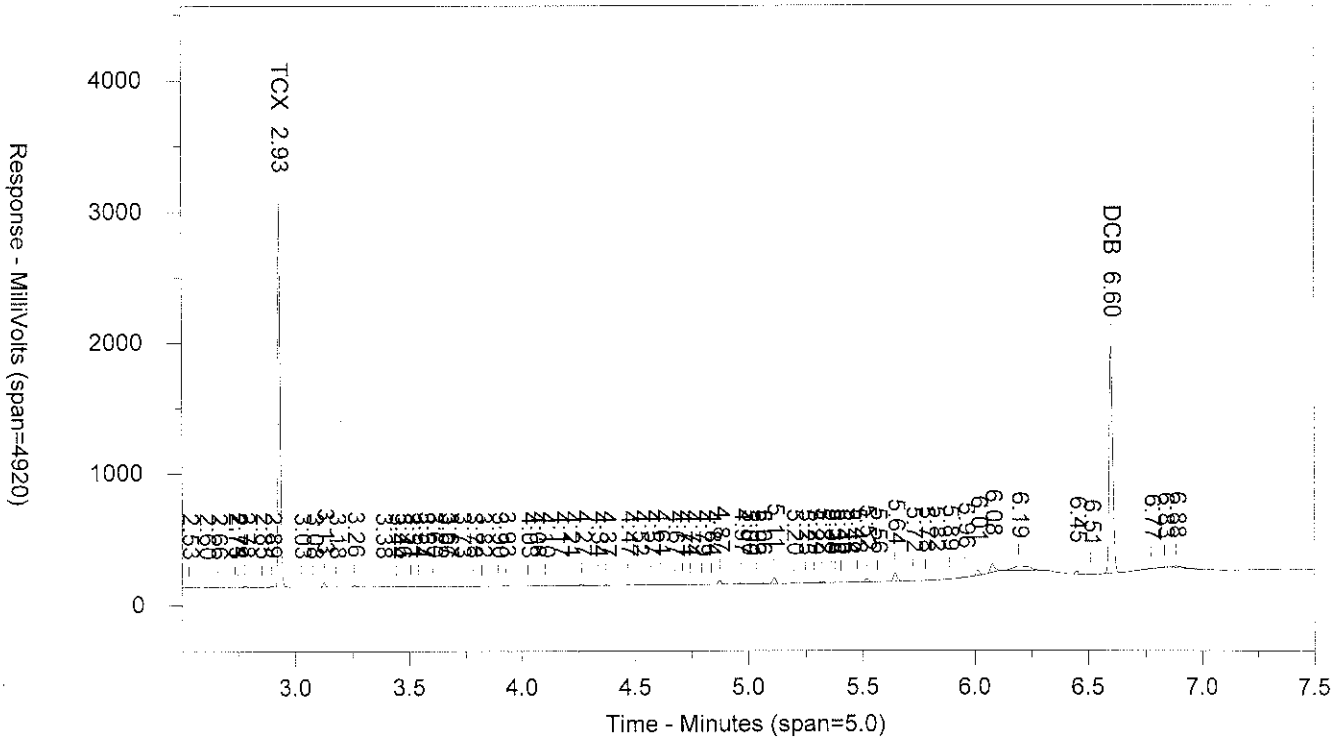

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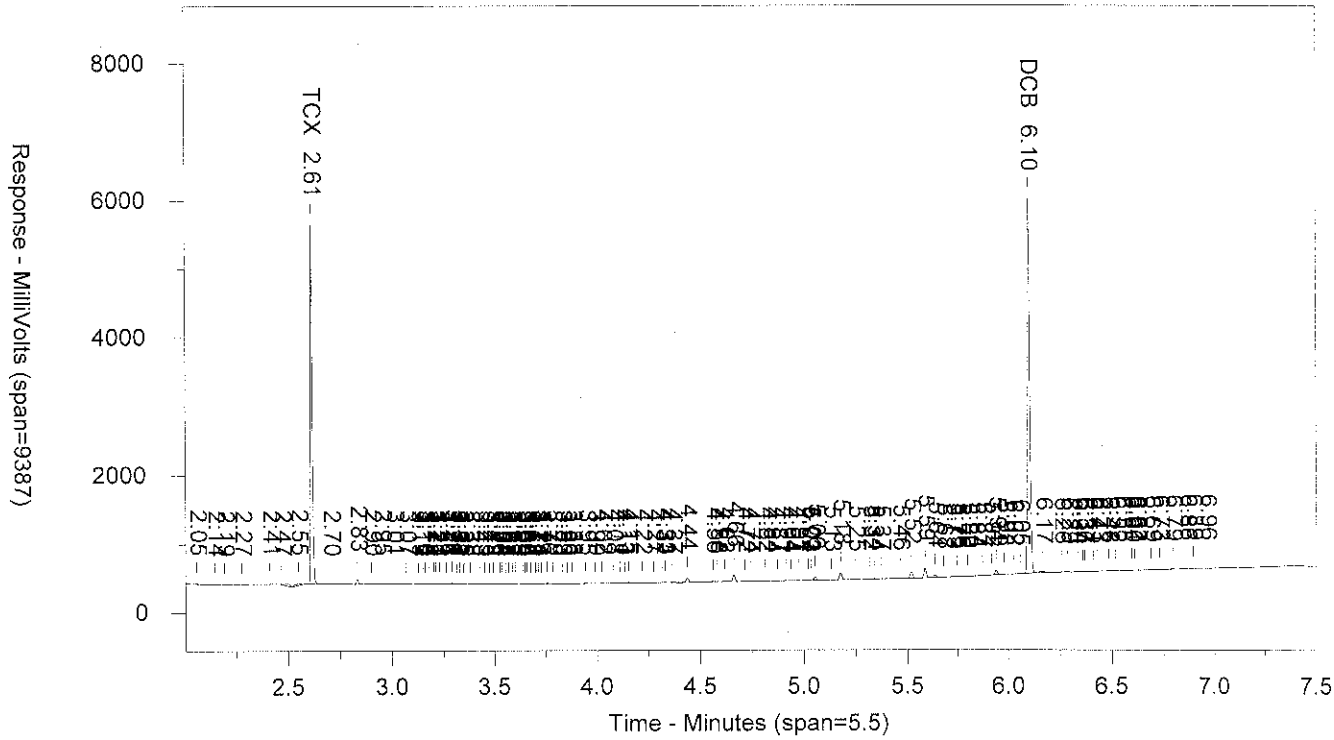

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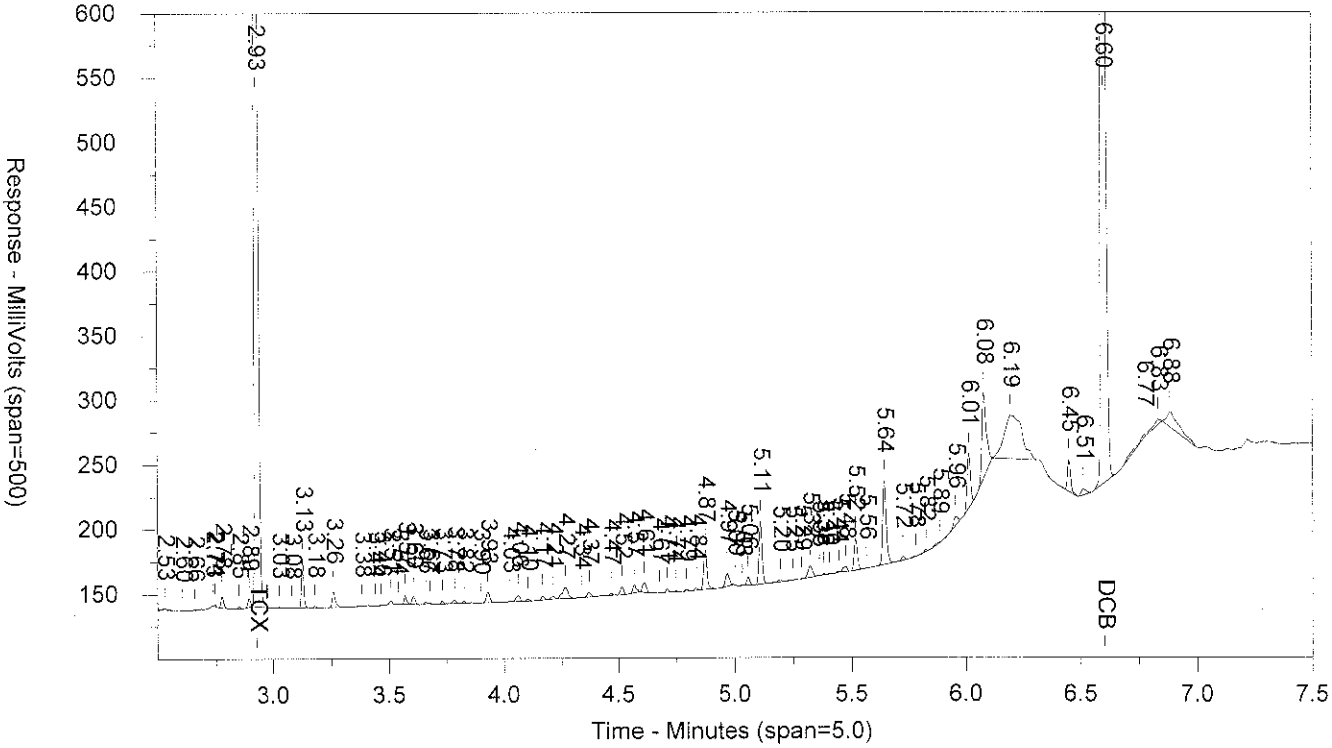

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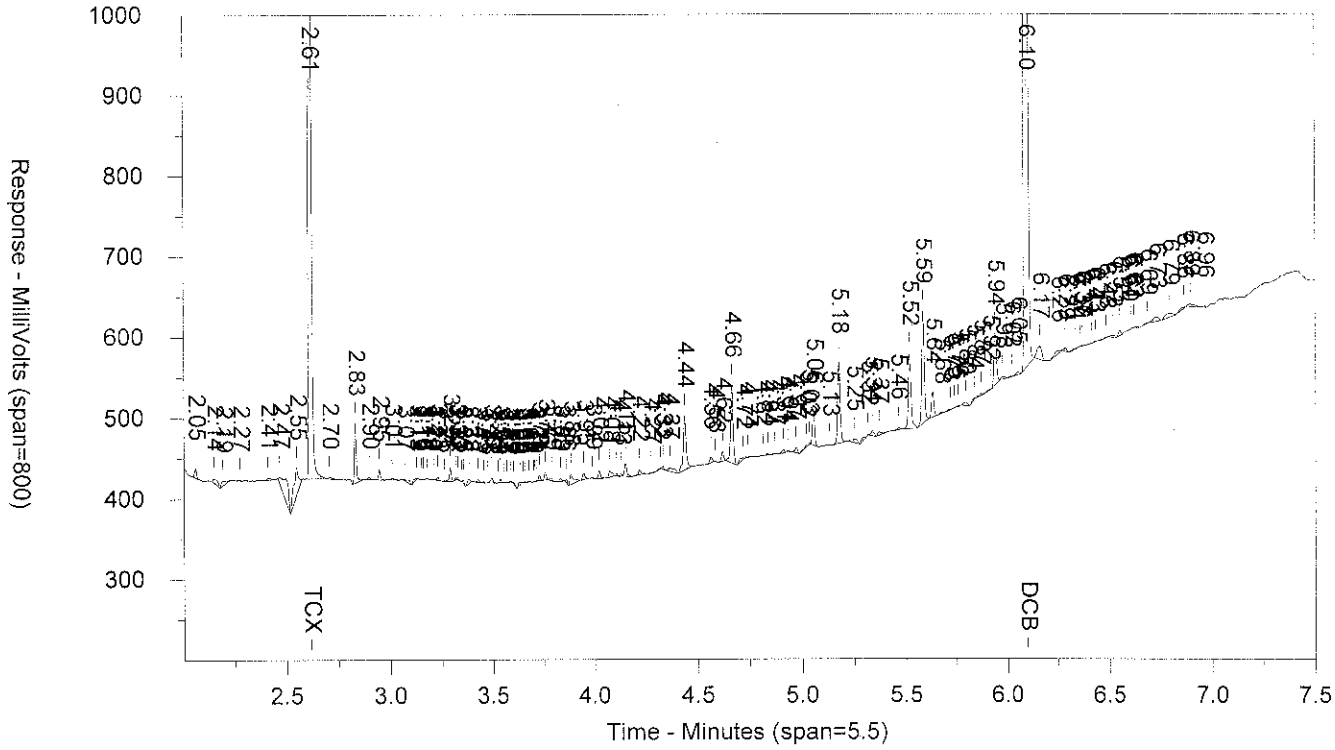

LANCASTER LABORATORIES

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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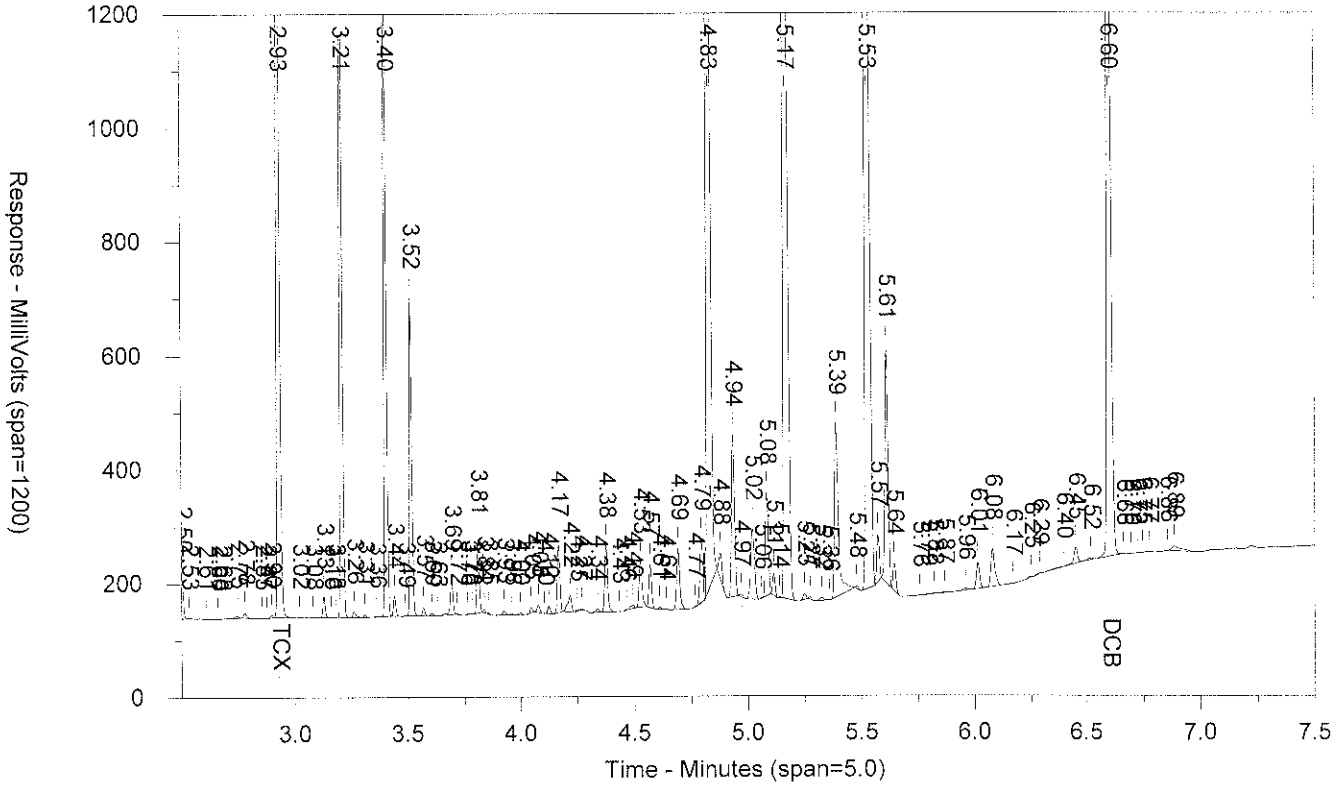

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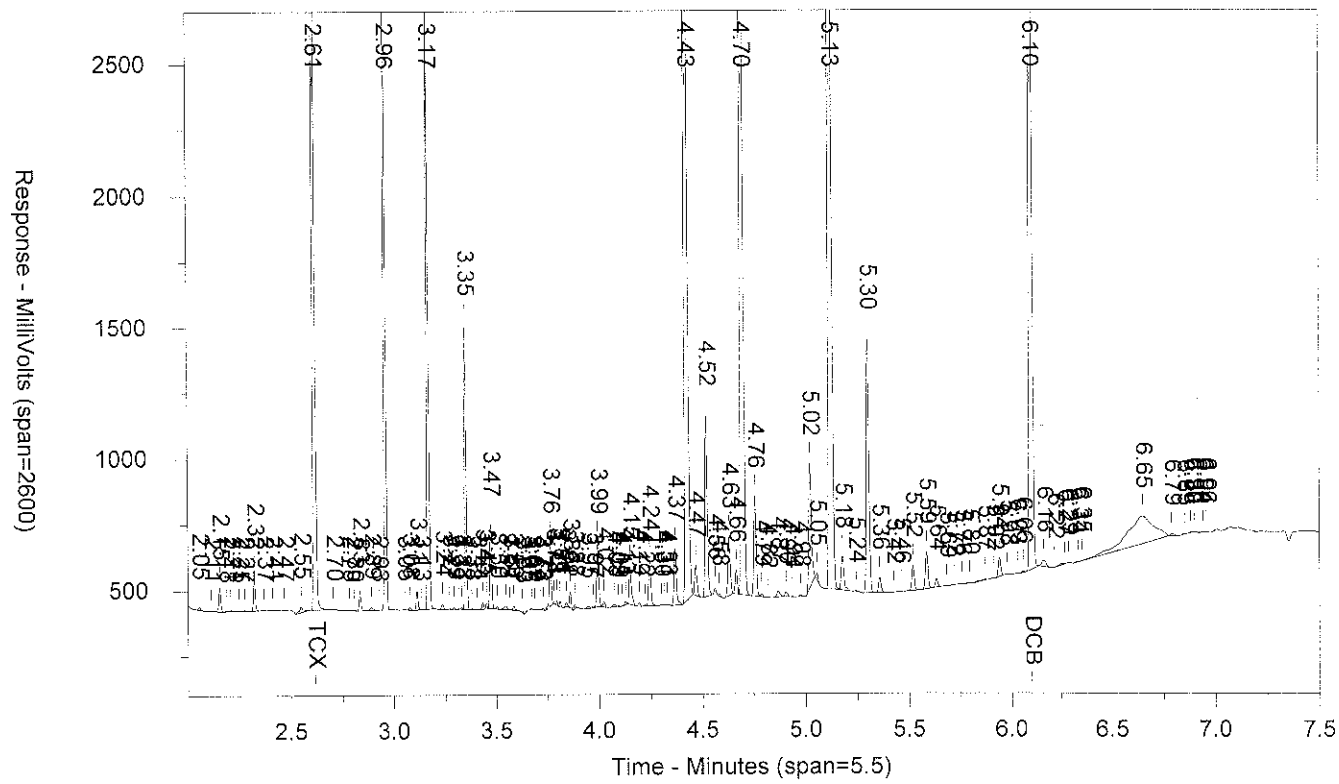

LANCASTER LABORATORIES

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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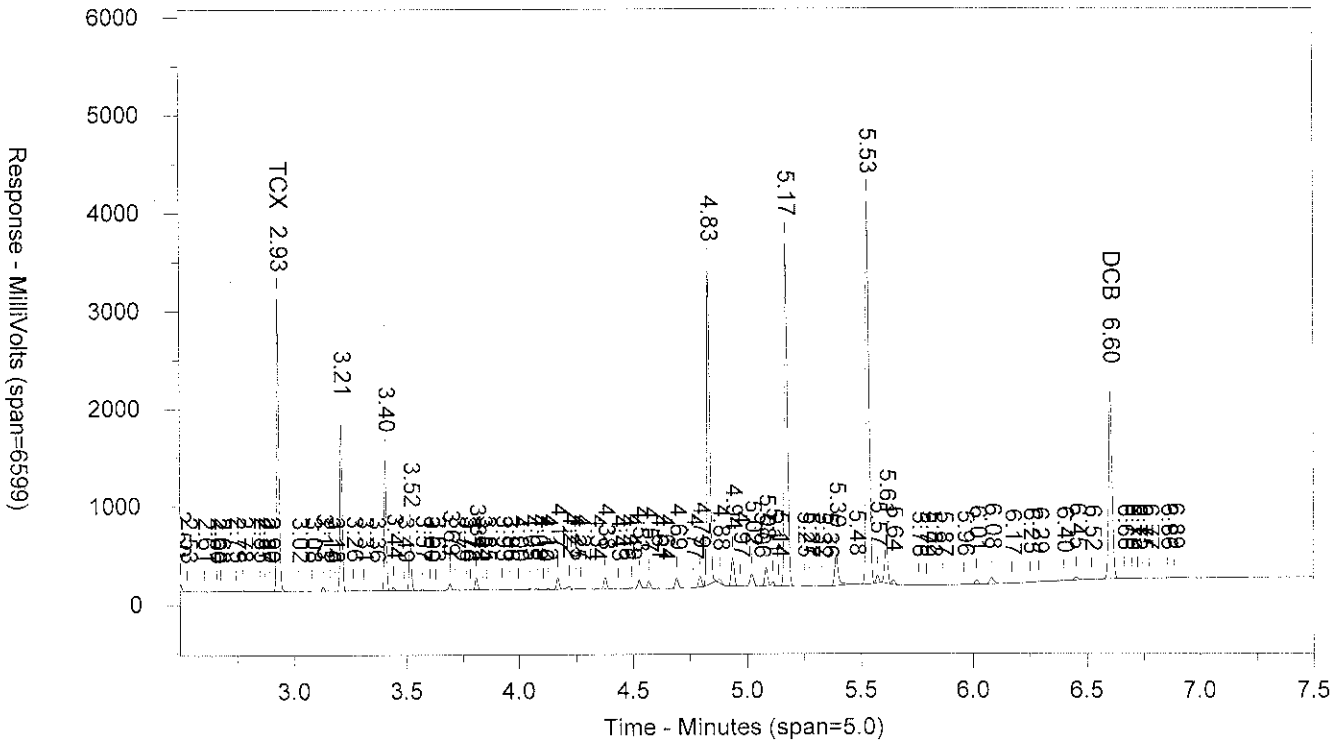

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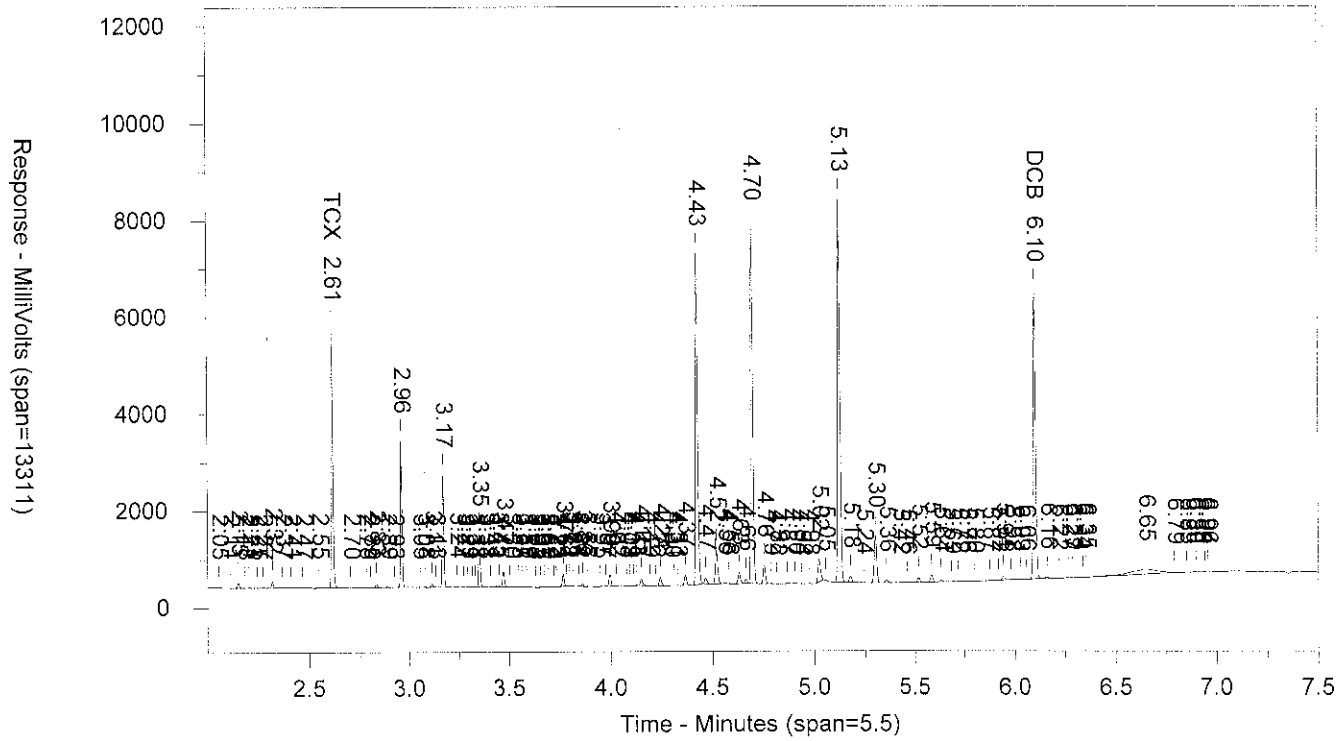

EVALX1724A AAEVALXAA ICAL 1728399999 10225 SW-846 8082

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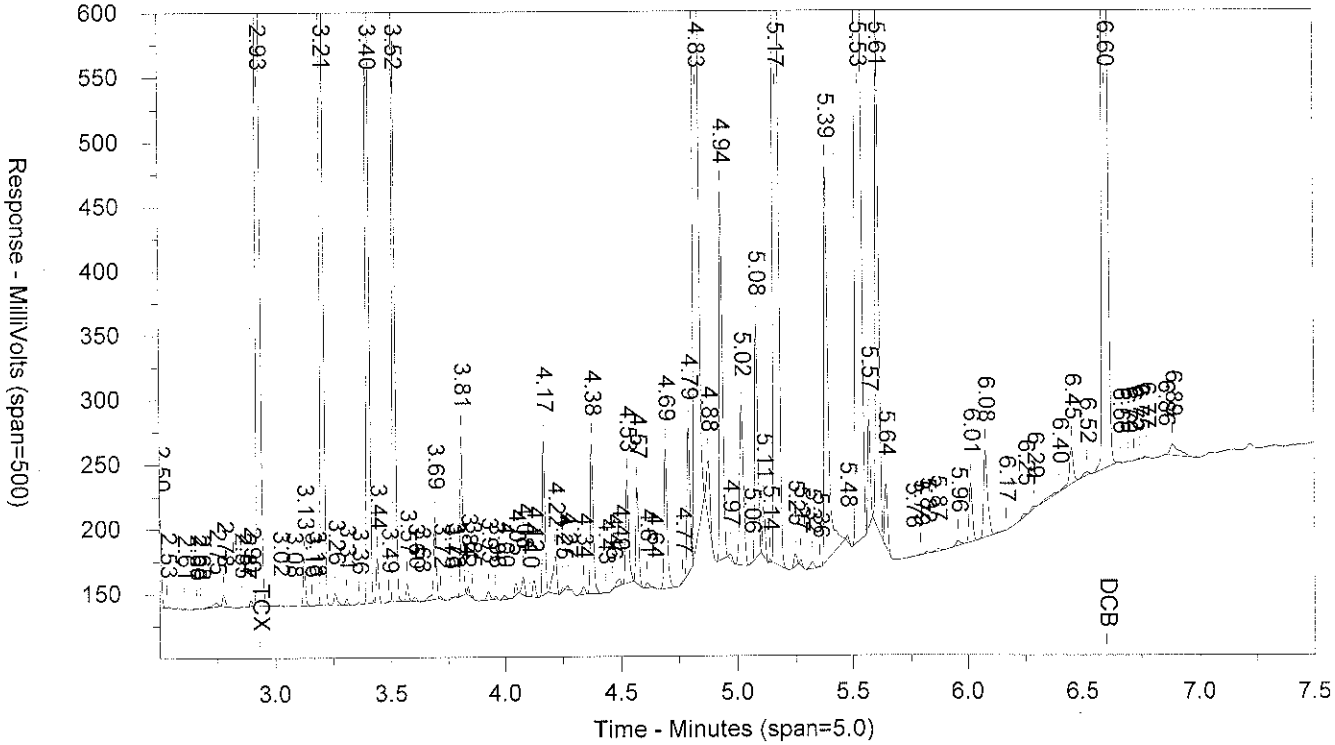

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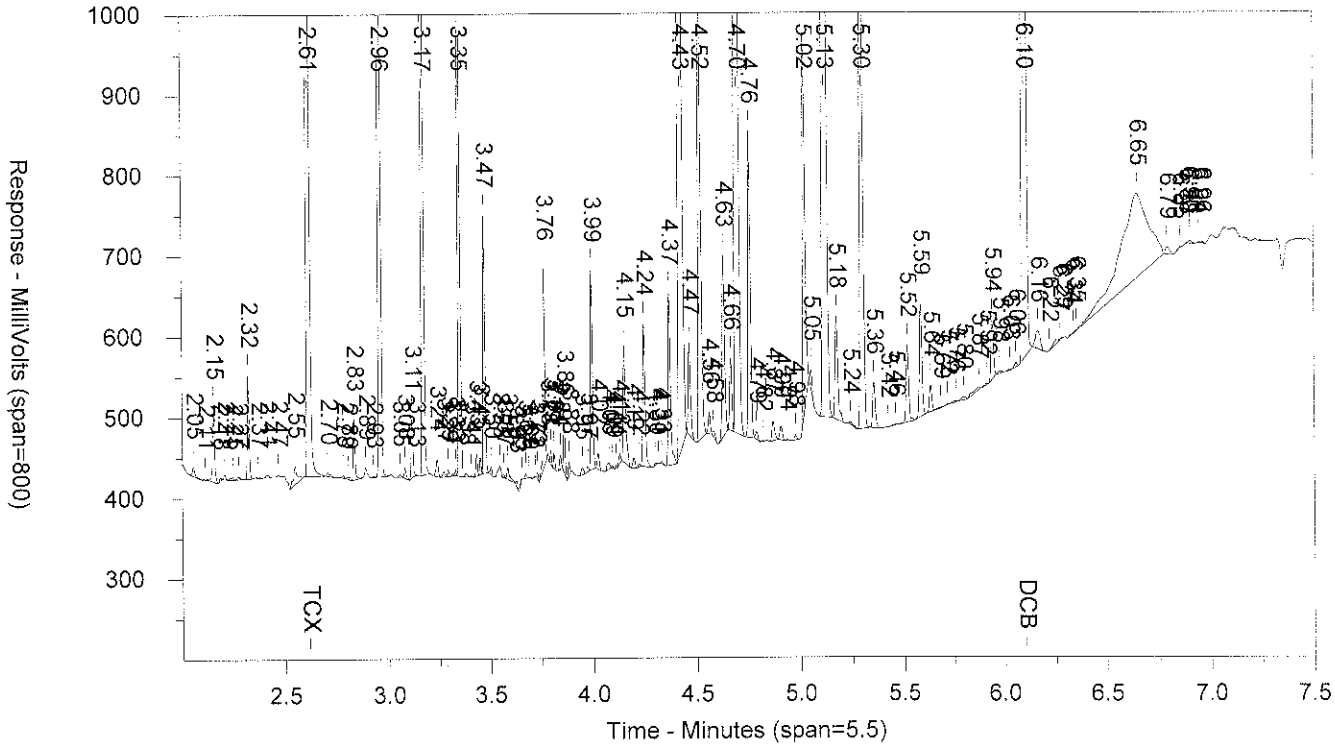

LANCASTER LABORATORIES

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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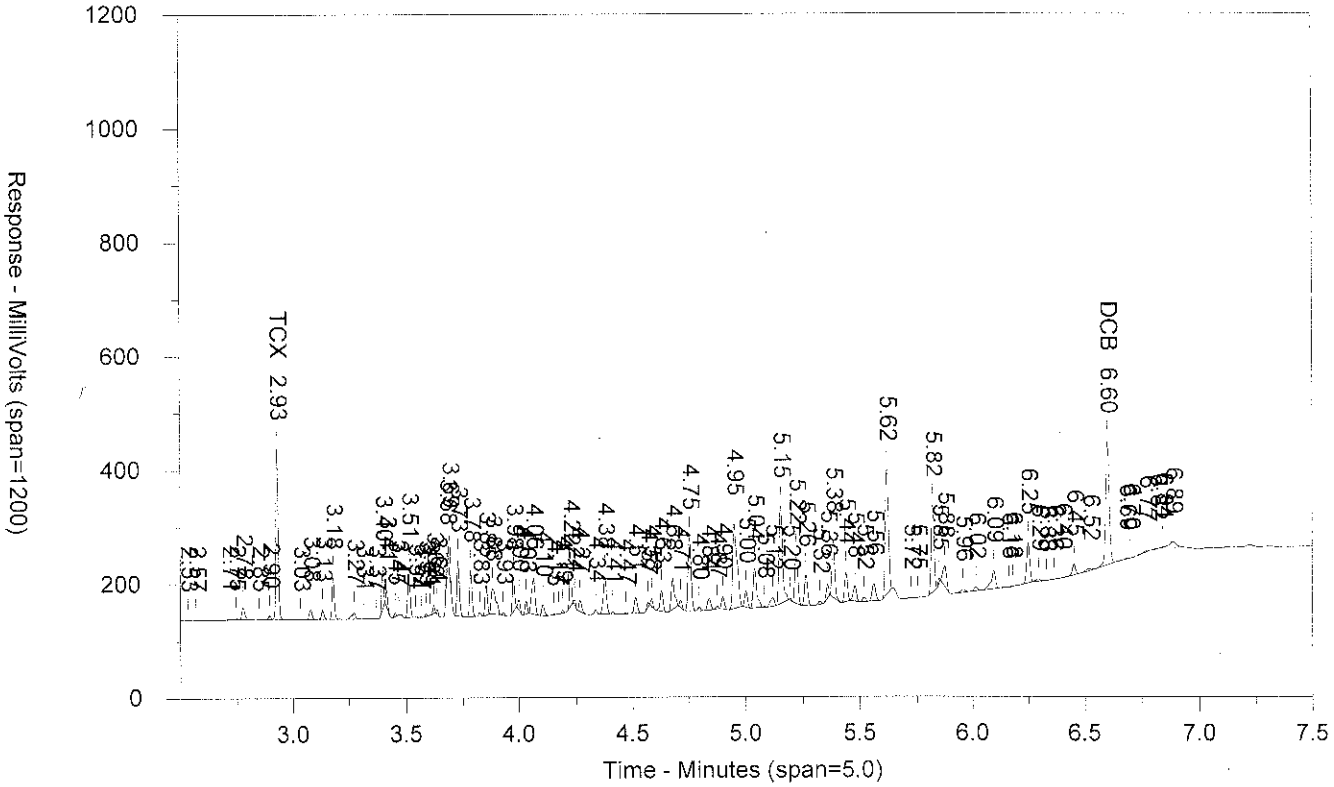

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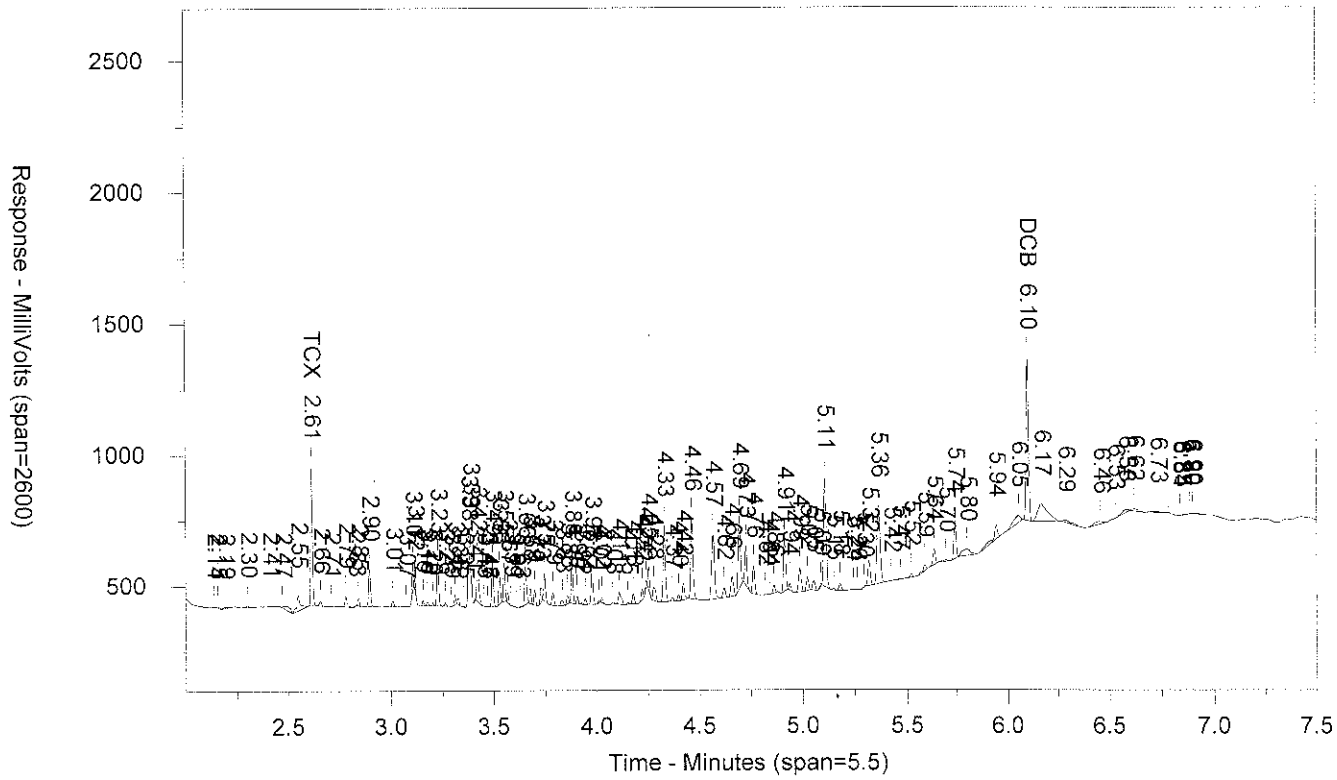

LANCASTER LABORATORIES

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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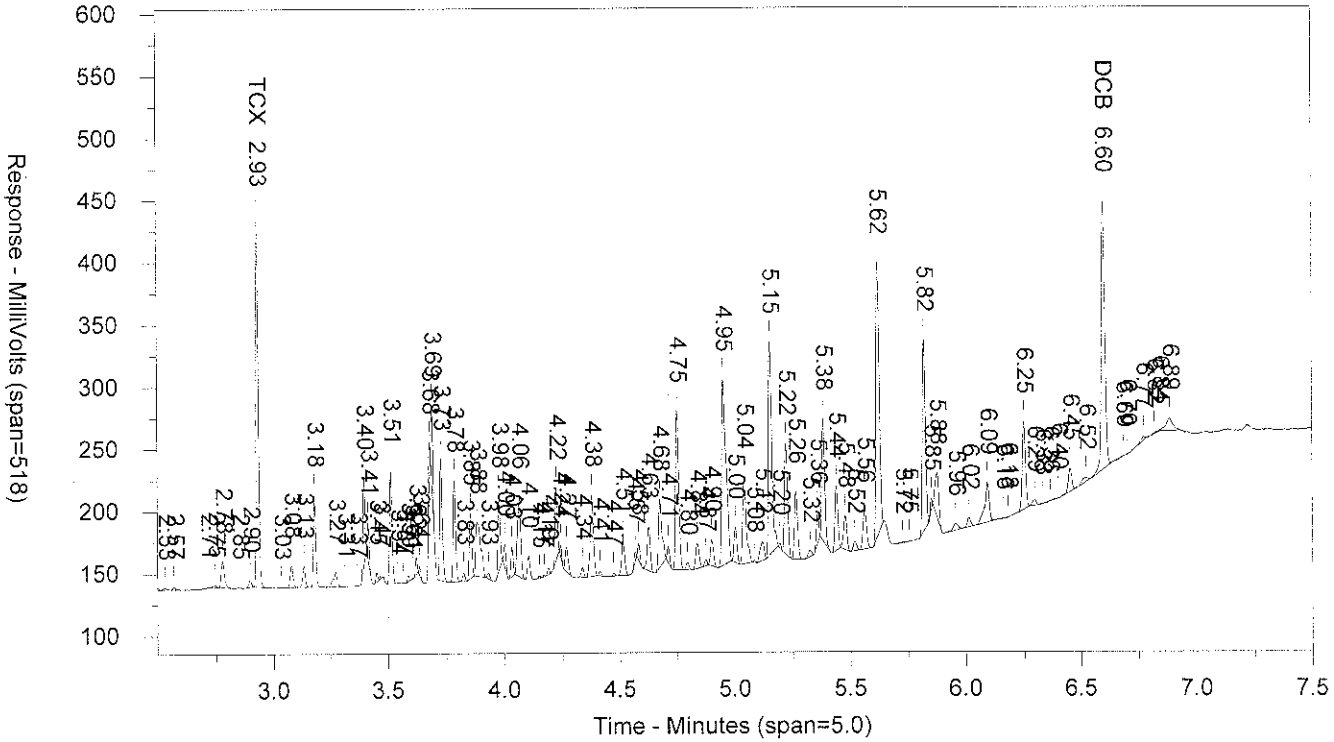

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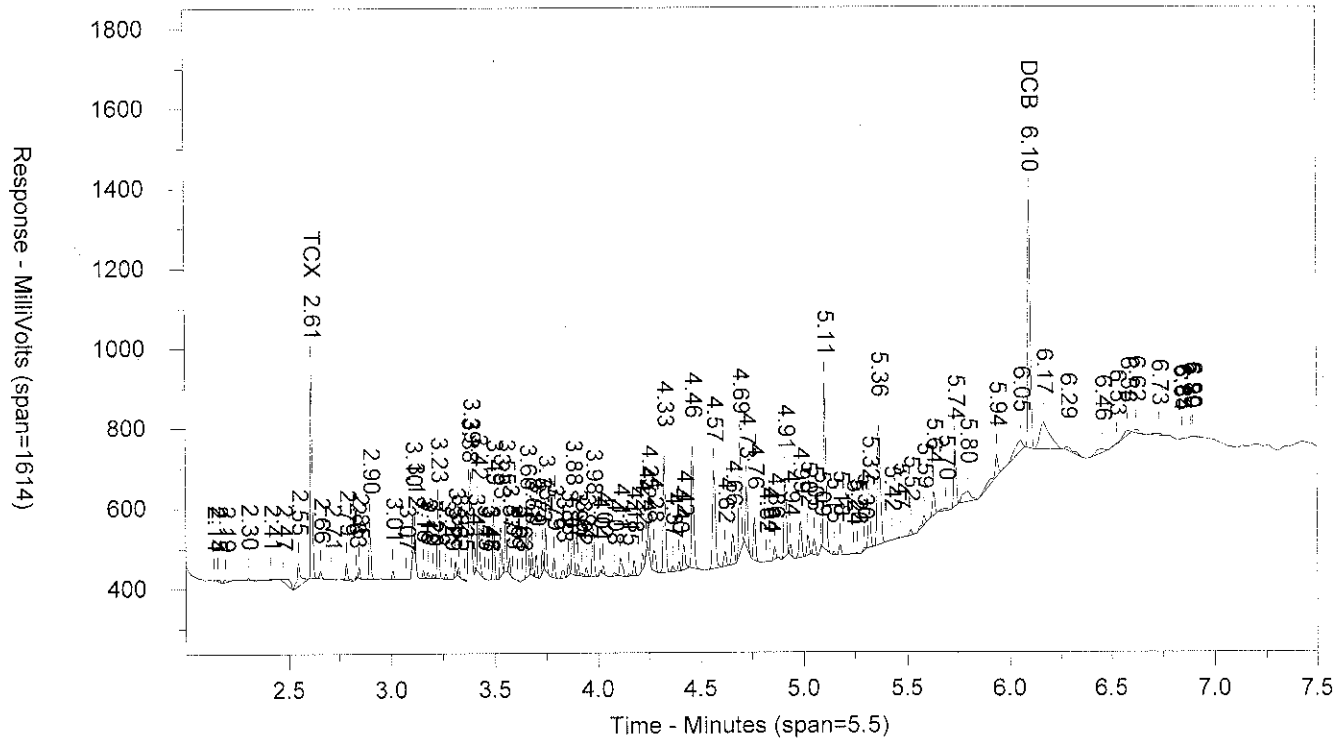

AR1611724B AAAR161AA ICAL 1728399999 10225 SW-846 8082

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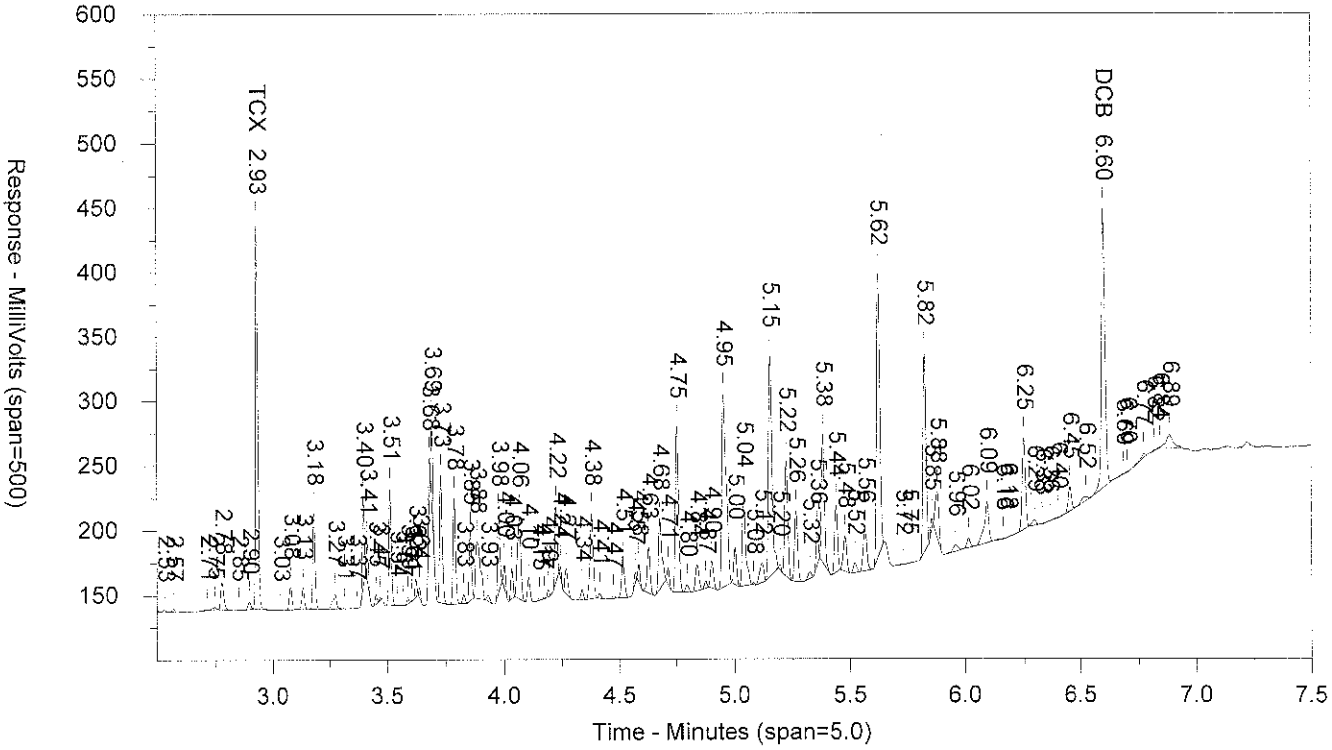

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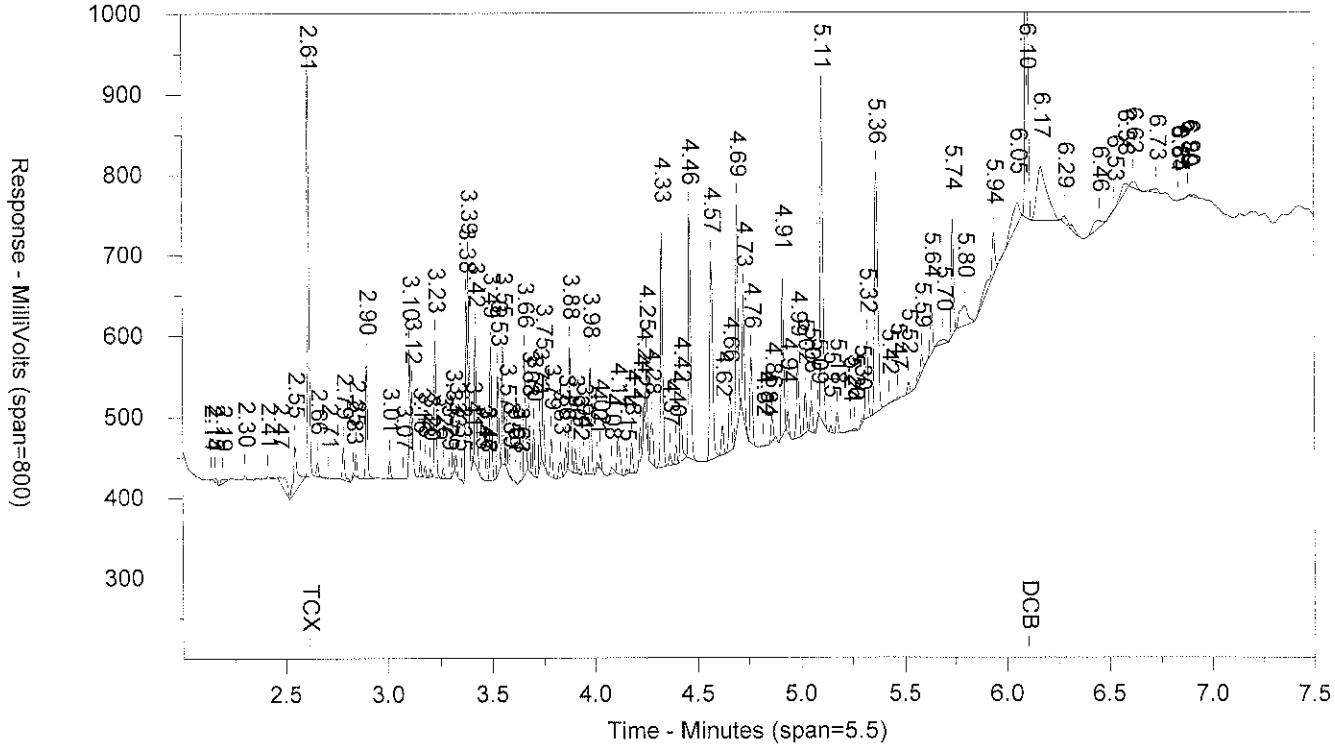

LANCASTER LABORATORIES

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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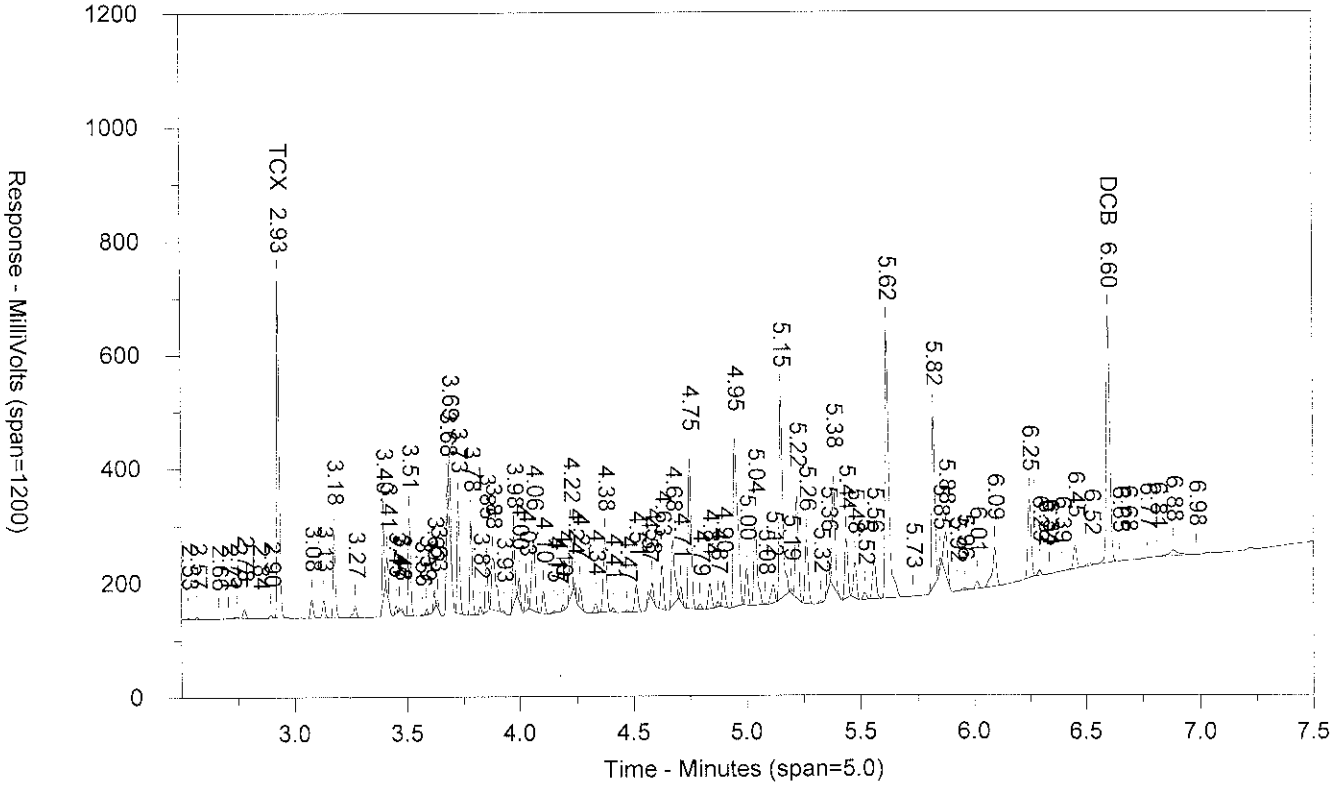

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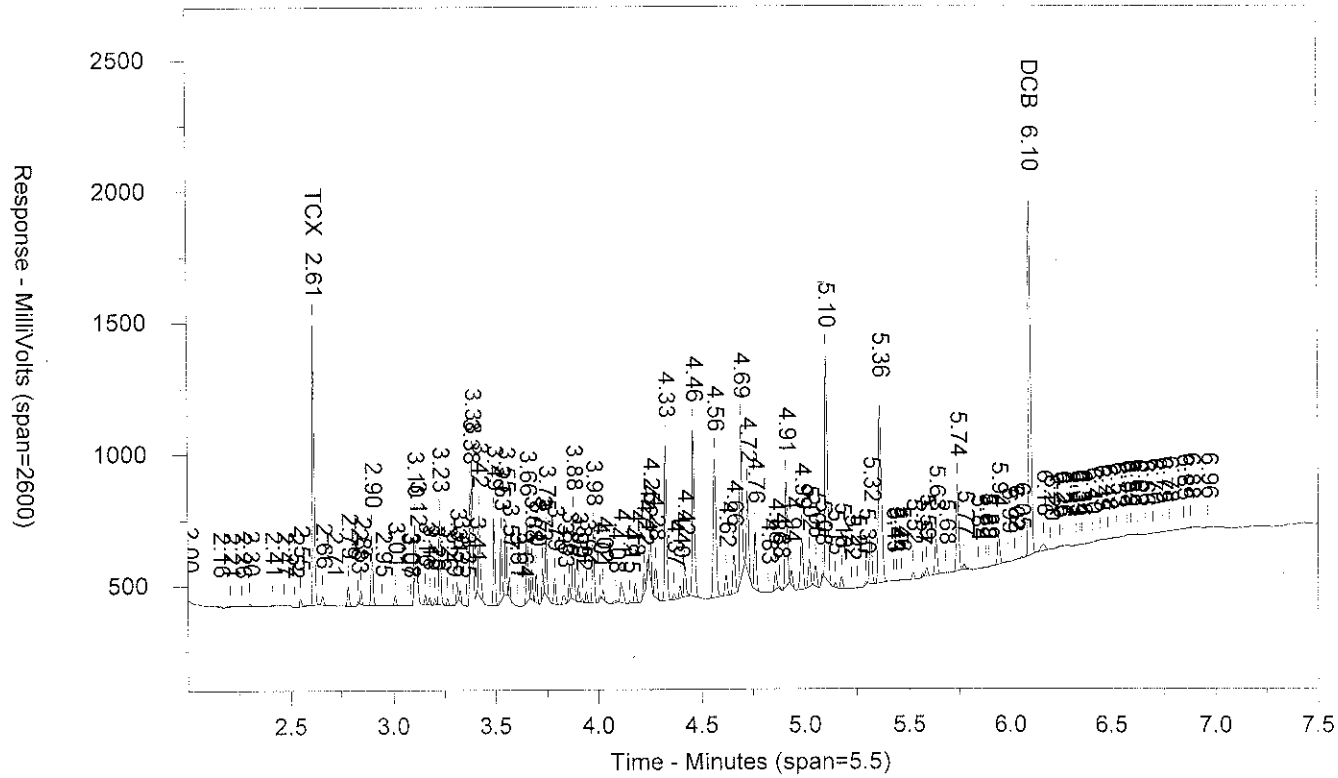

LANCASTER LABORATORIES

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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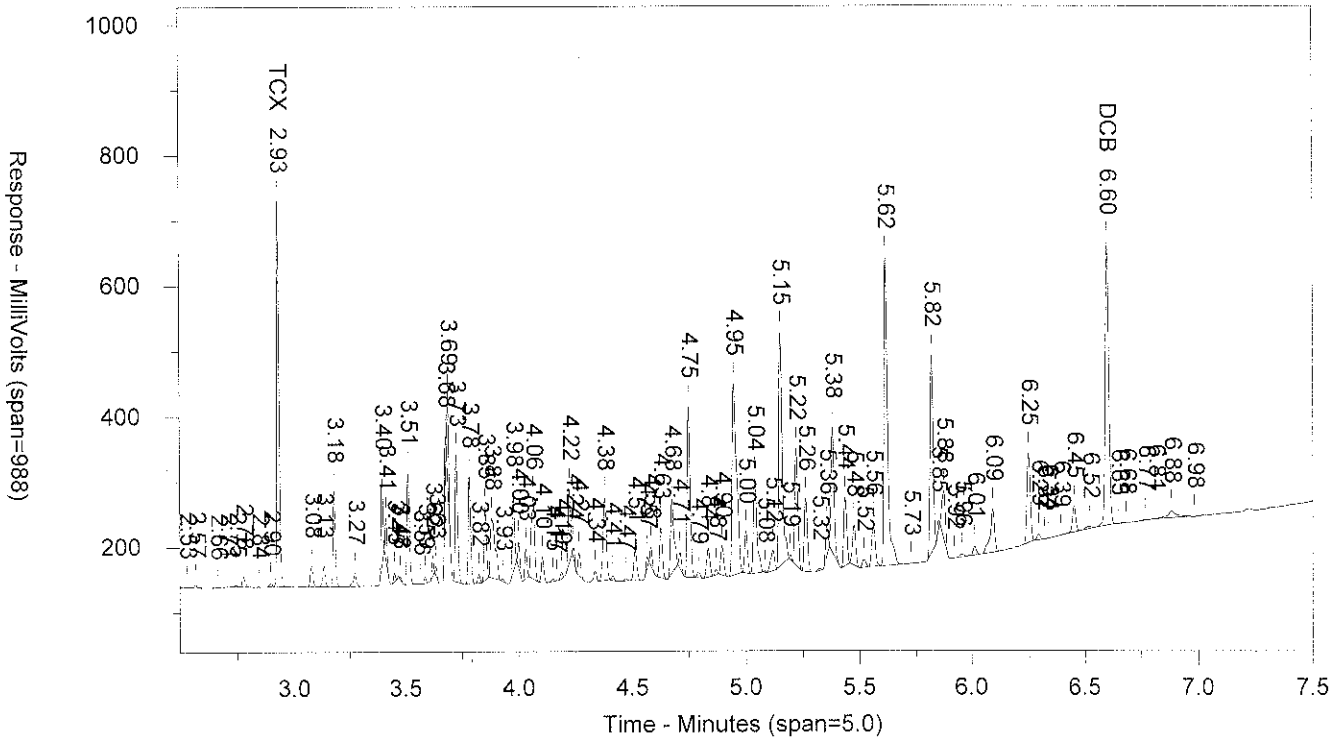

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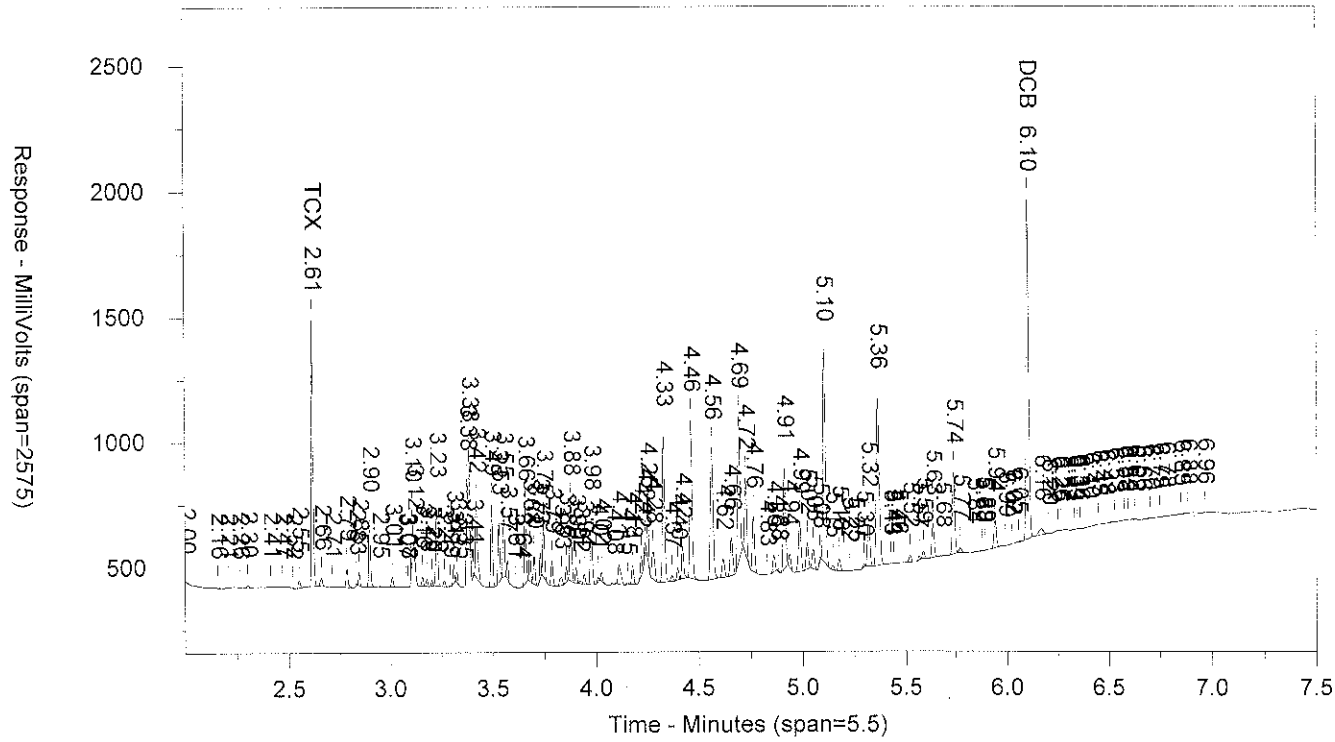

AR1621724B AAAR162AA ICAL 1728399999 10225 SW-846 8082

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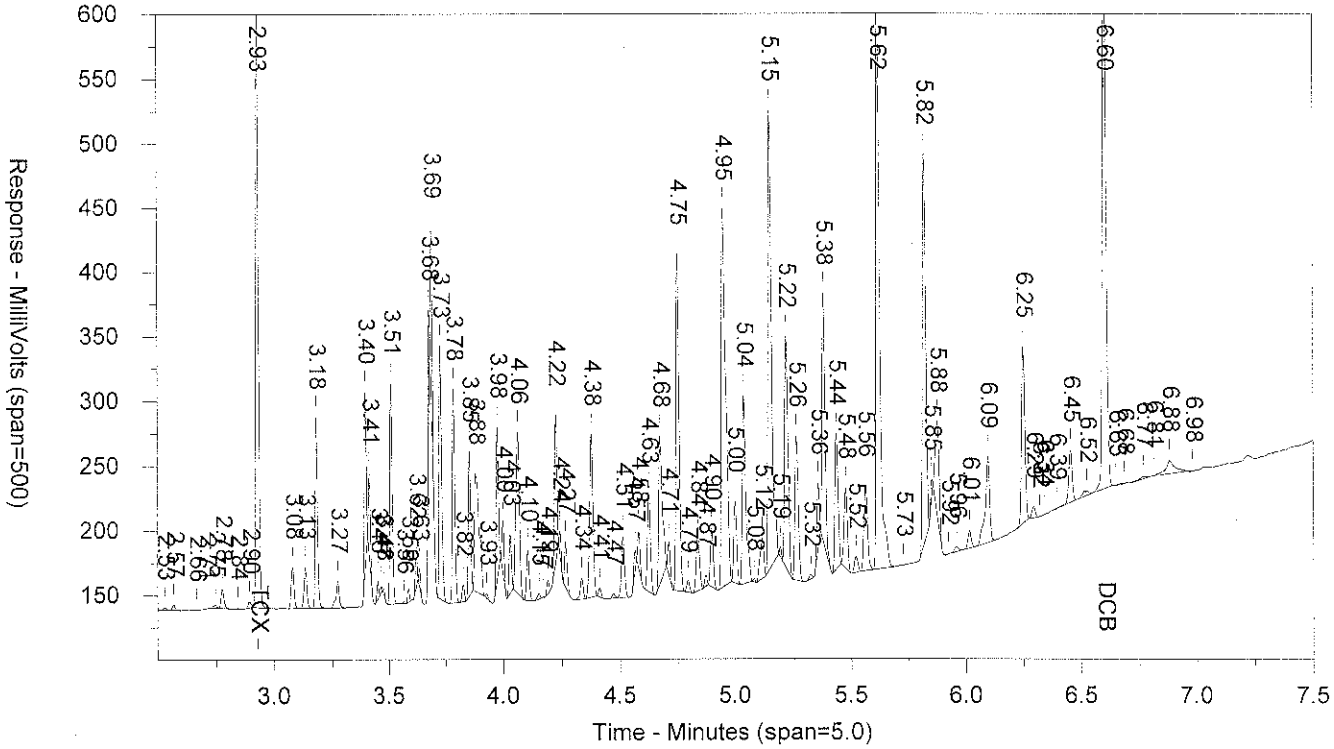

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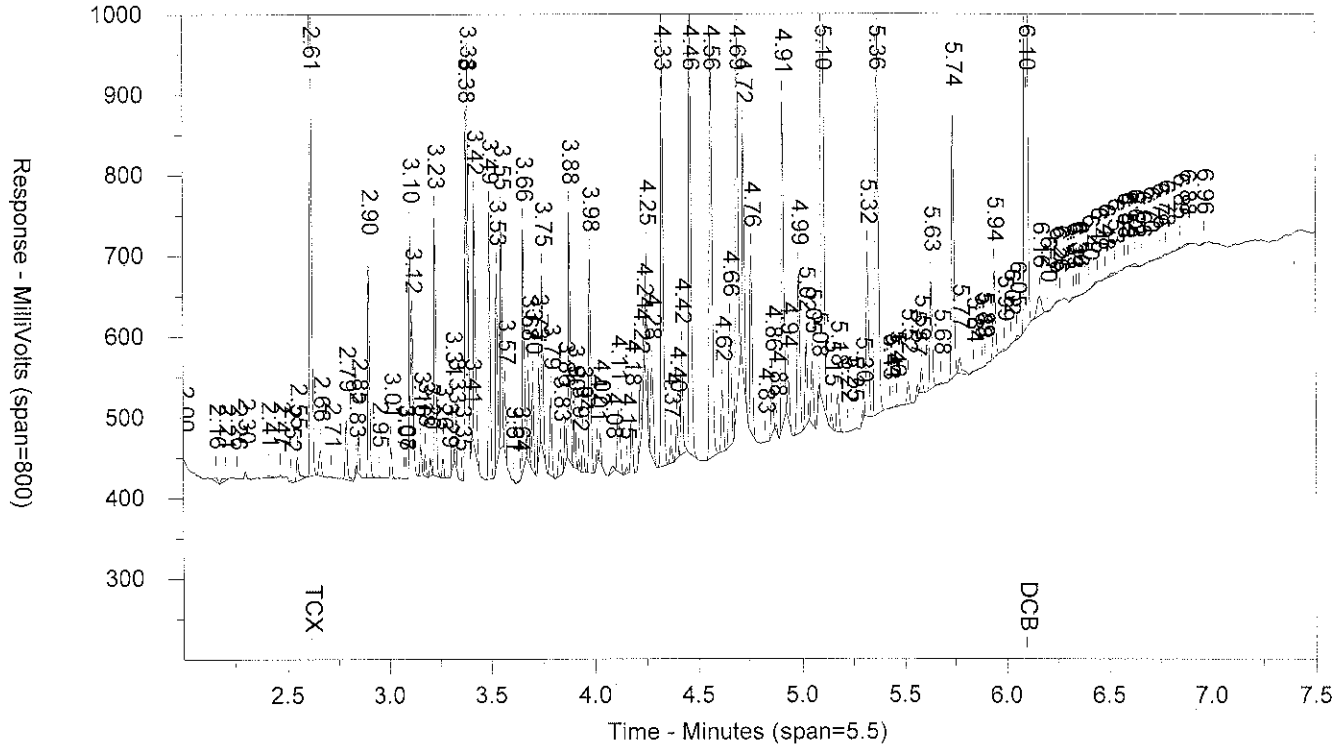

LANCASTER LABORATORIES

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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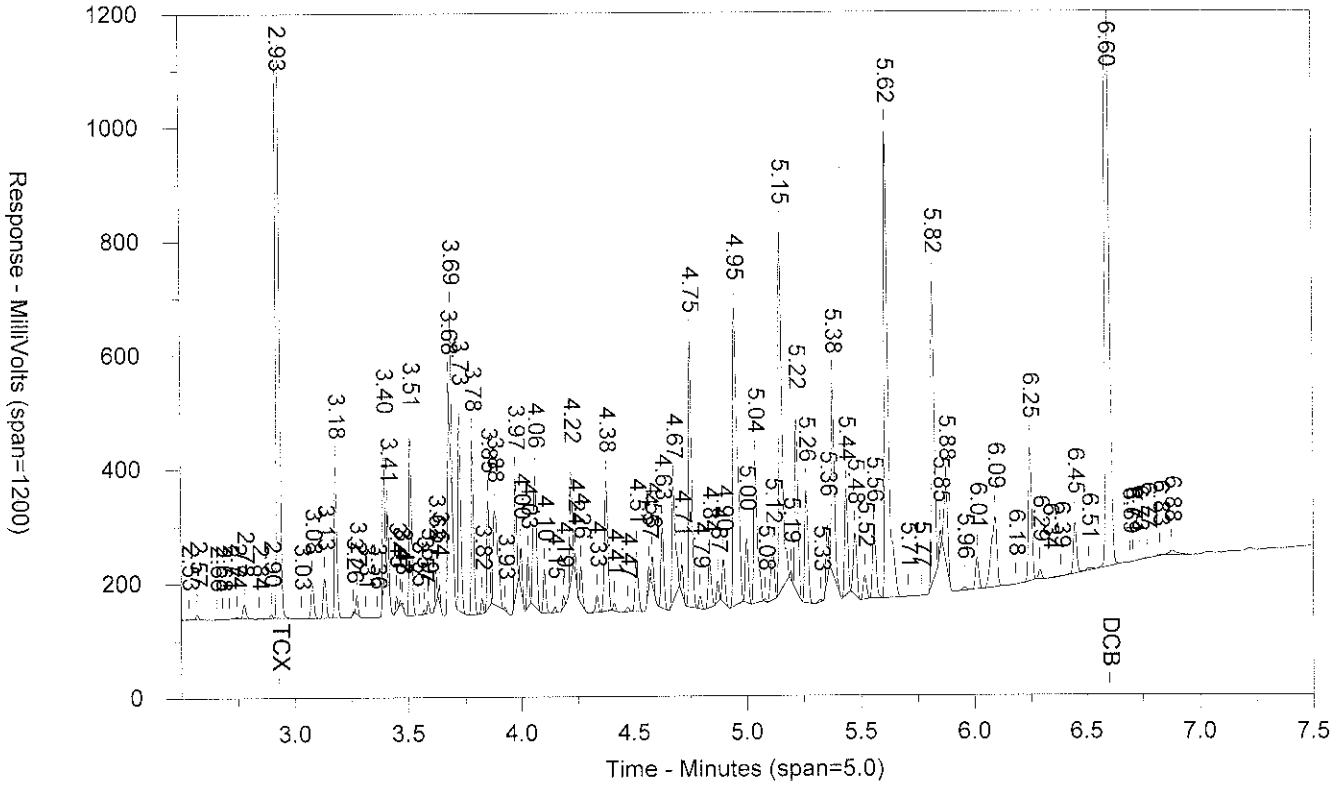

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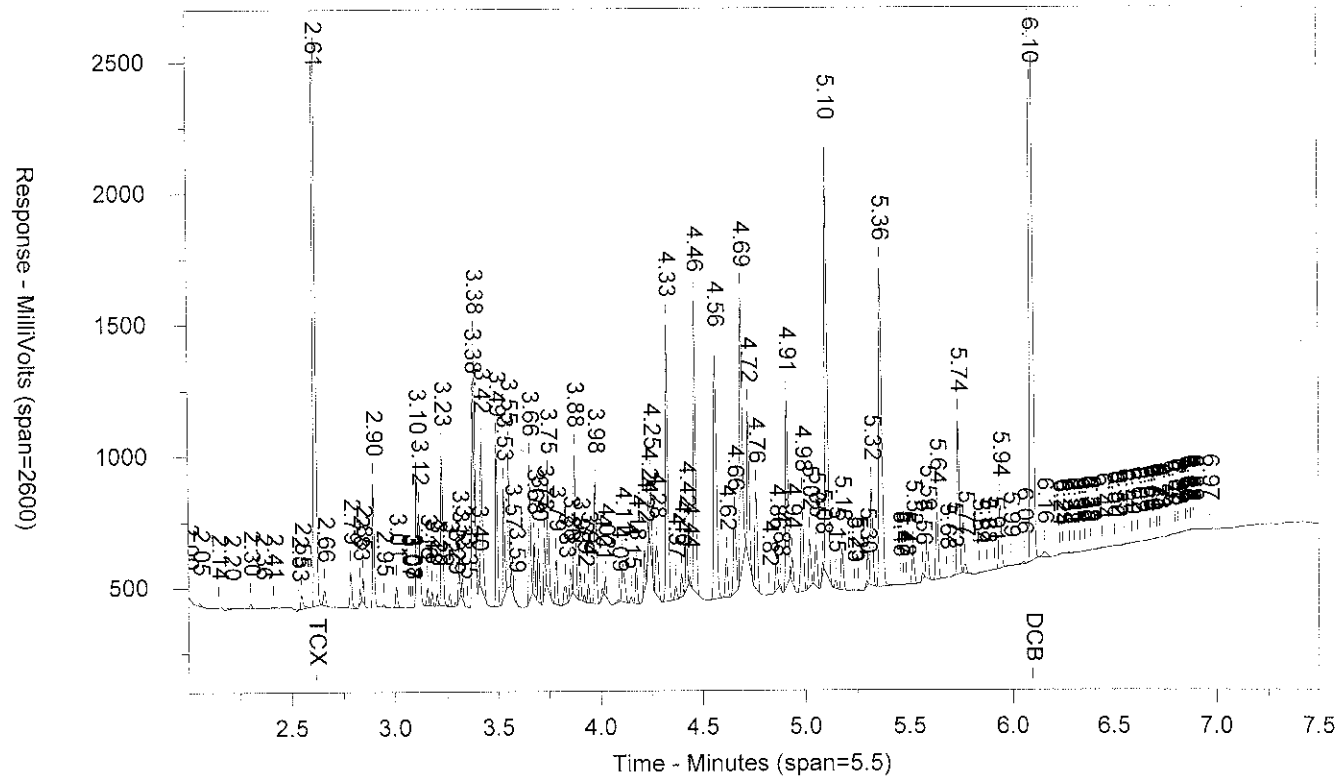

LANCASTER LABORATORIES

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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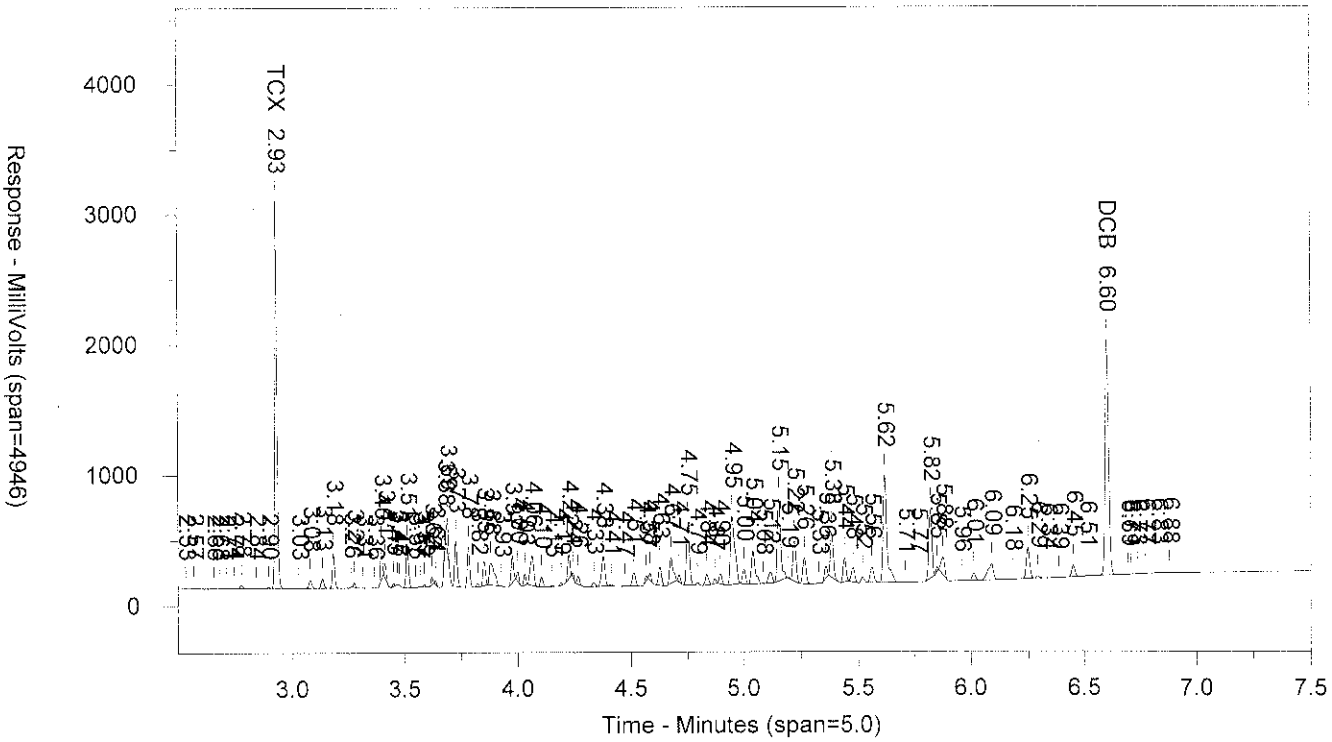

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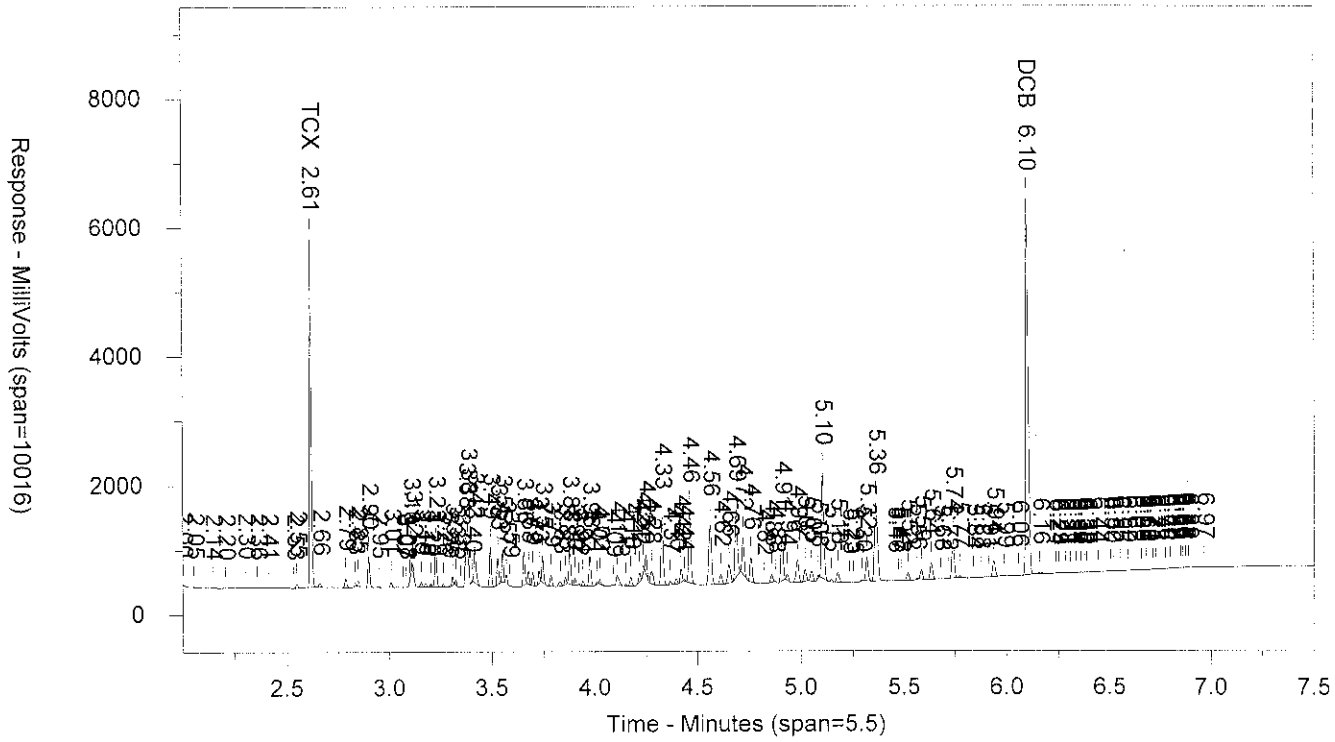

AR1631724B AAAR163AA ICAL 1728399999 10225 SW-846 8082

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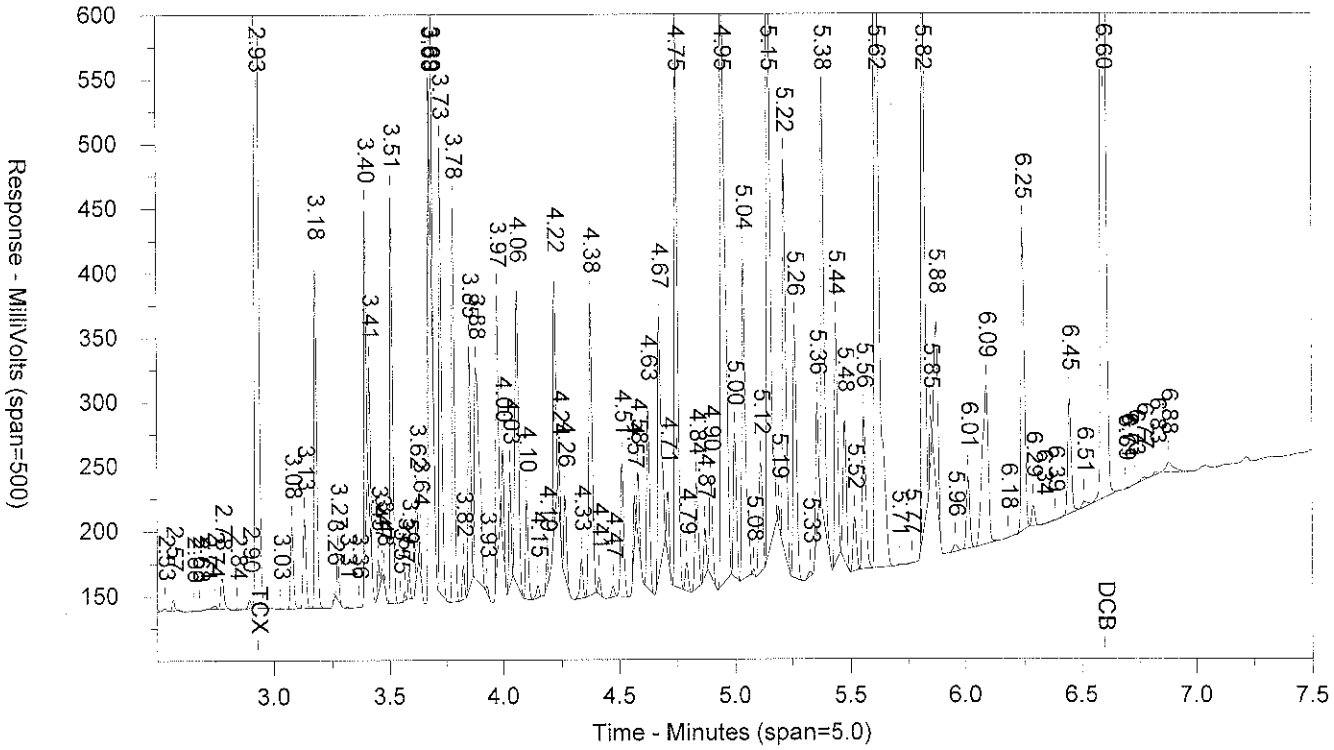

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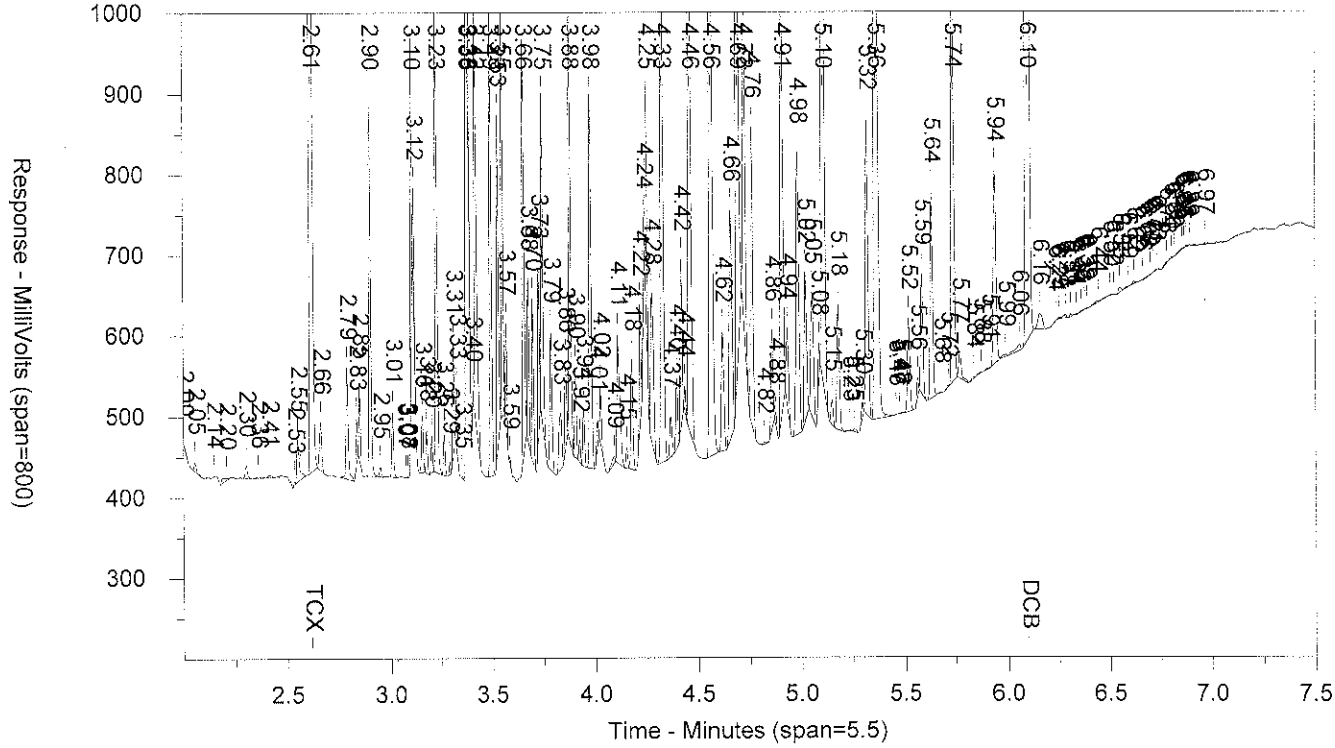

LANCASTER LABORATORIES

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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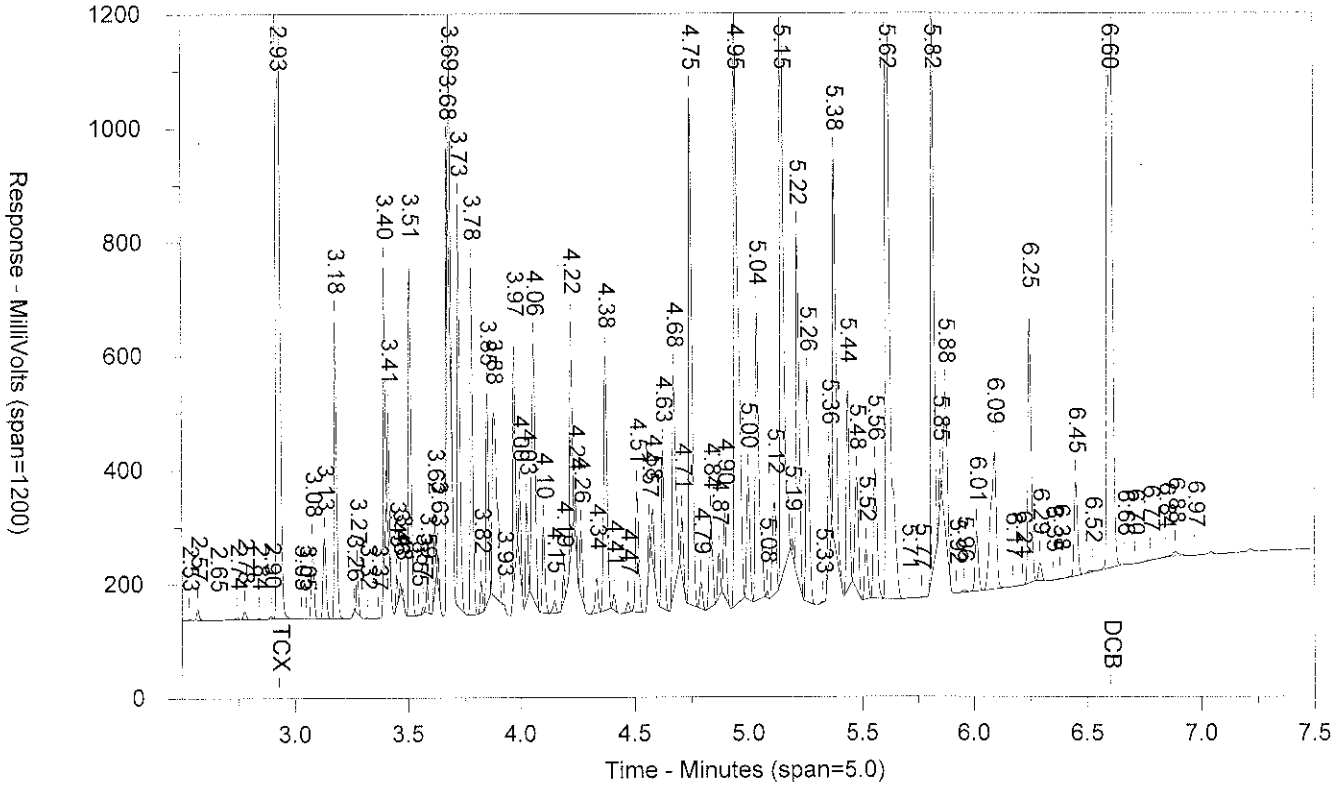

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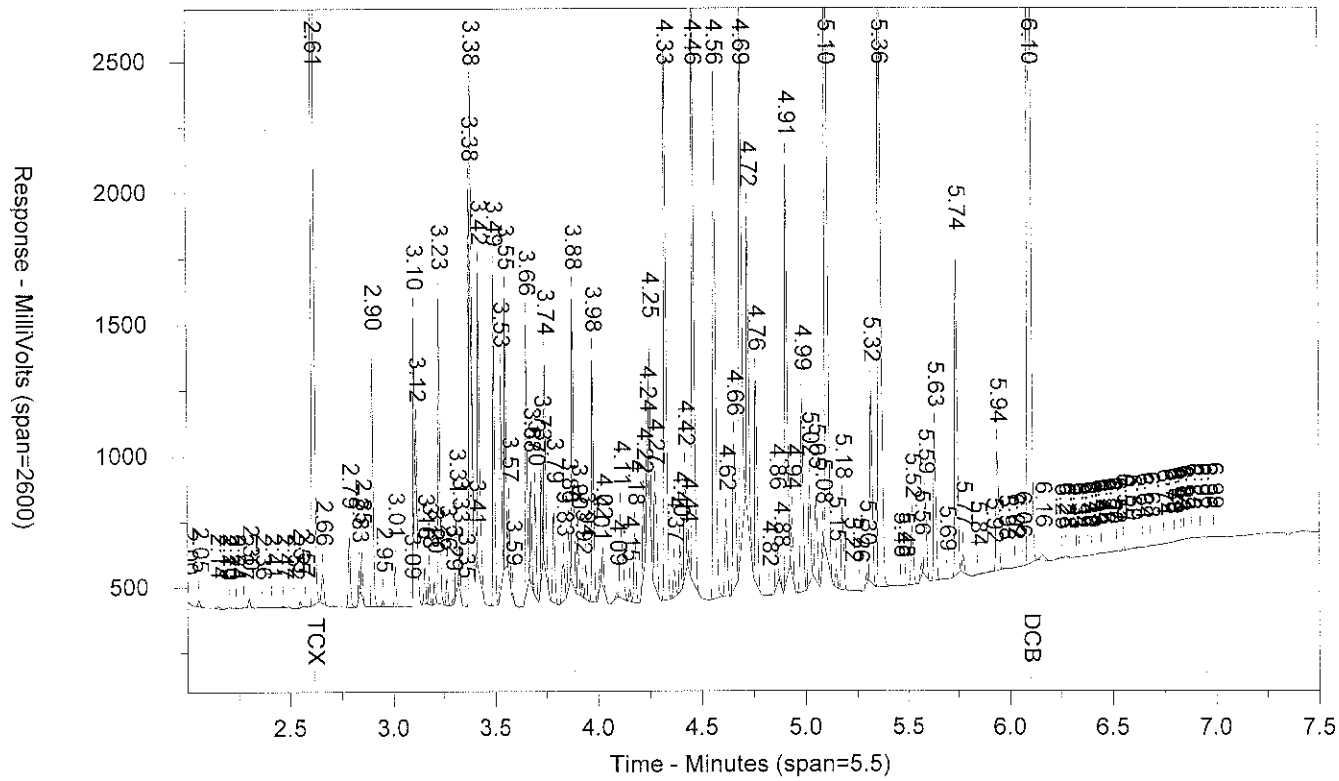

LANCASTER LABORATORIES

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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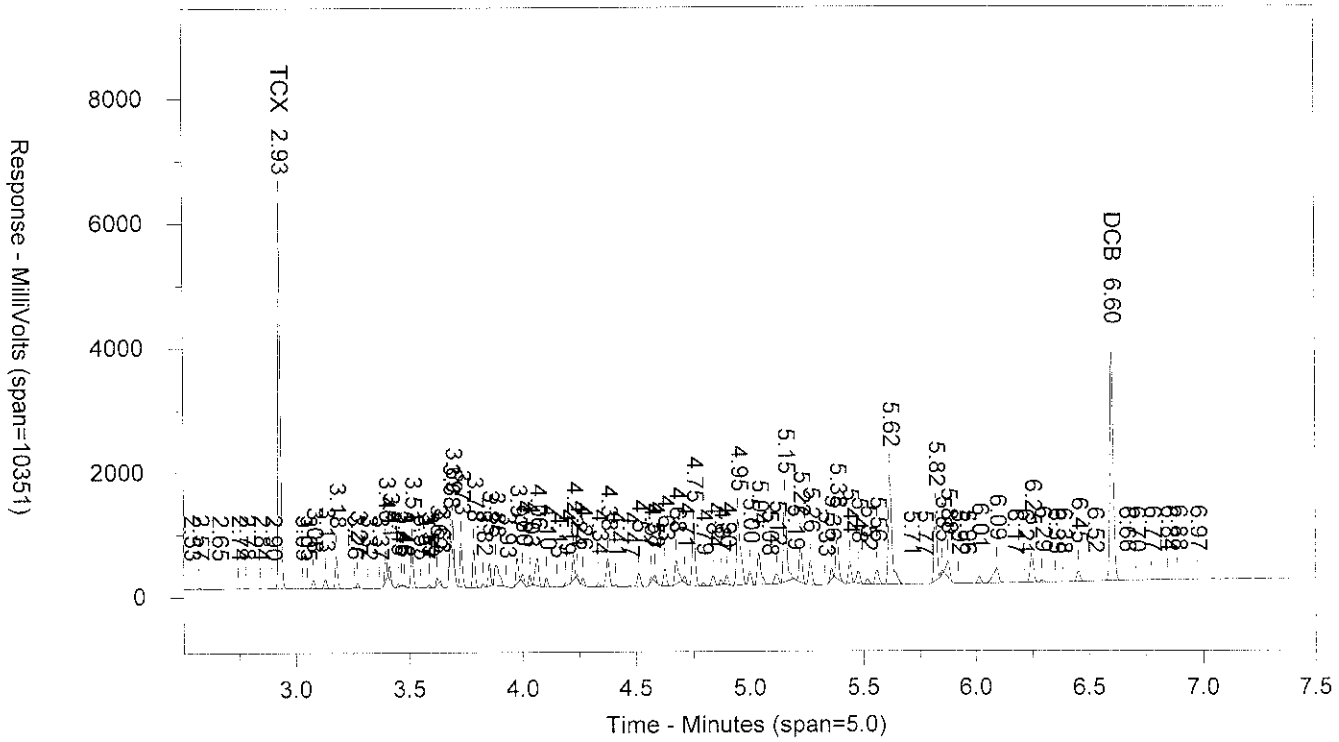

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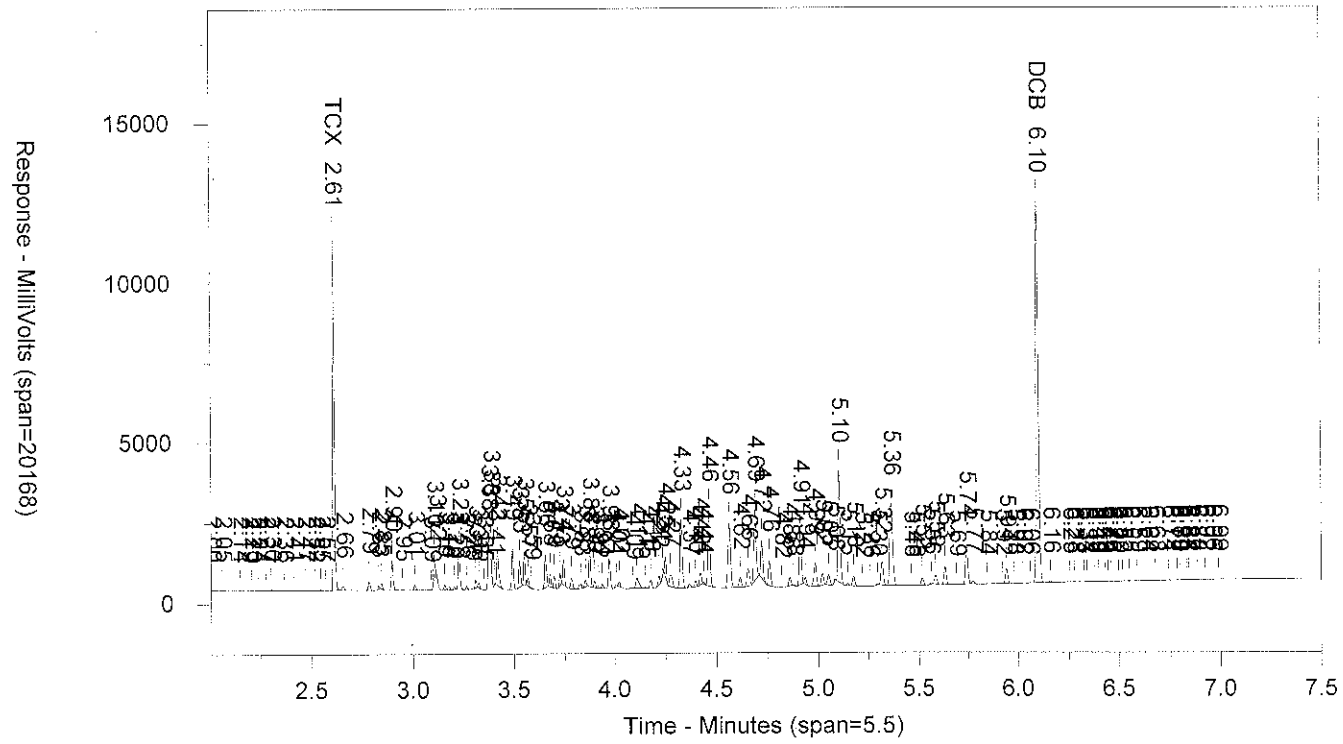

AR1641724B AAAR164AA ICAL 1728399999 10225 SW-846 8082

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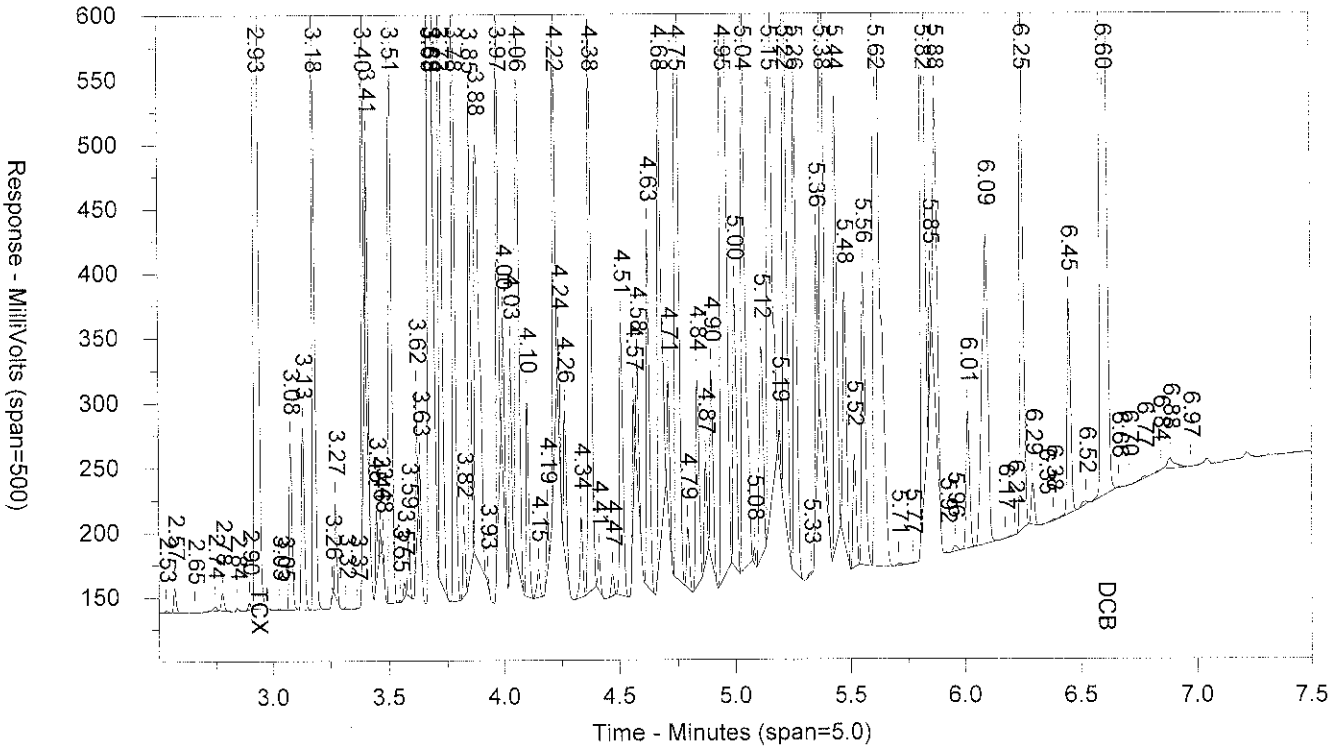

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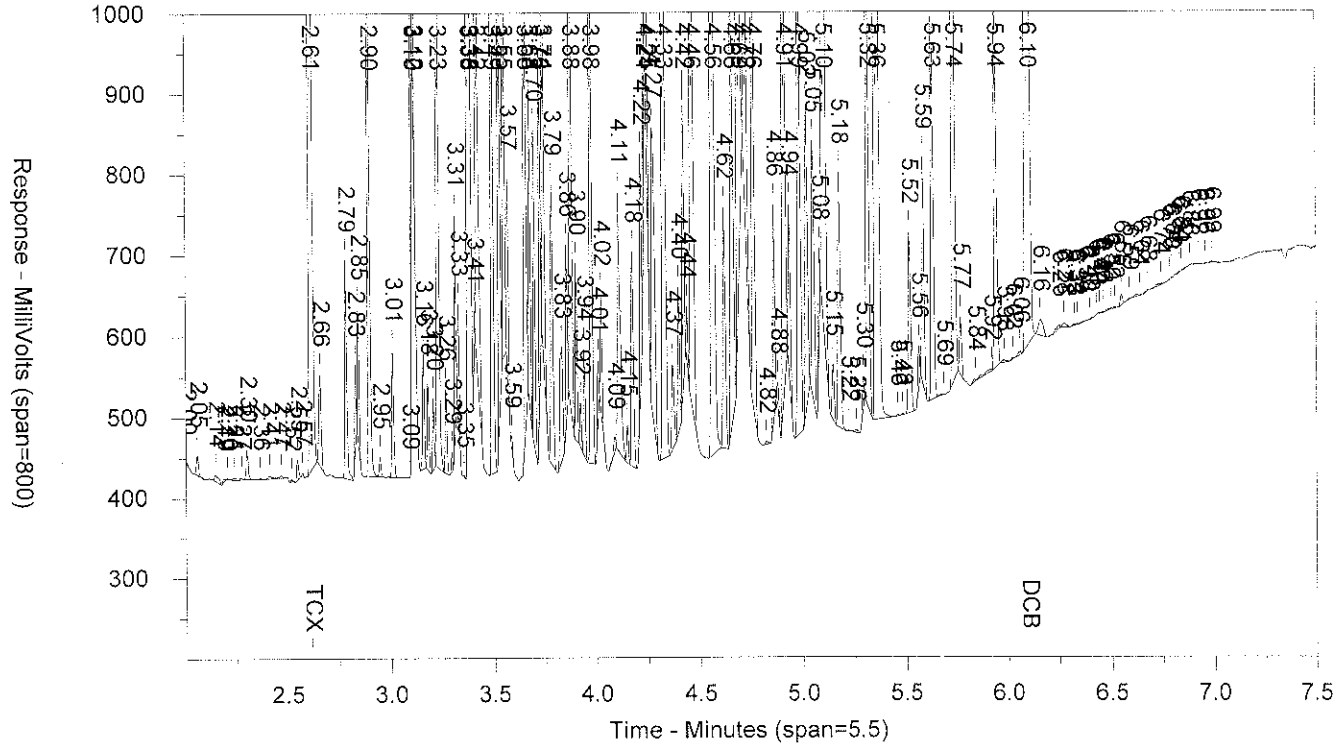

LANCASTER LABORATORIES

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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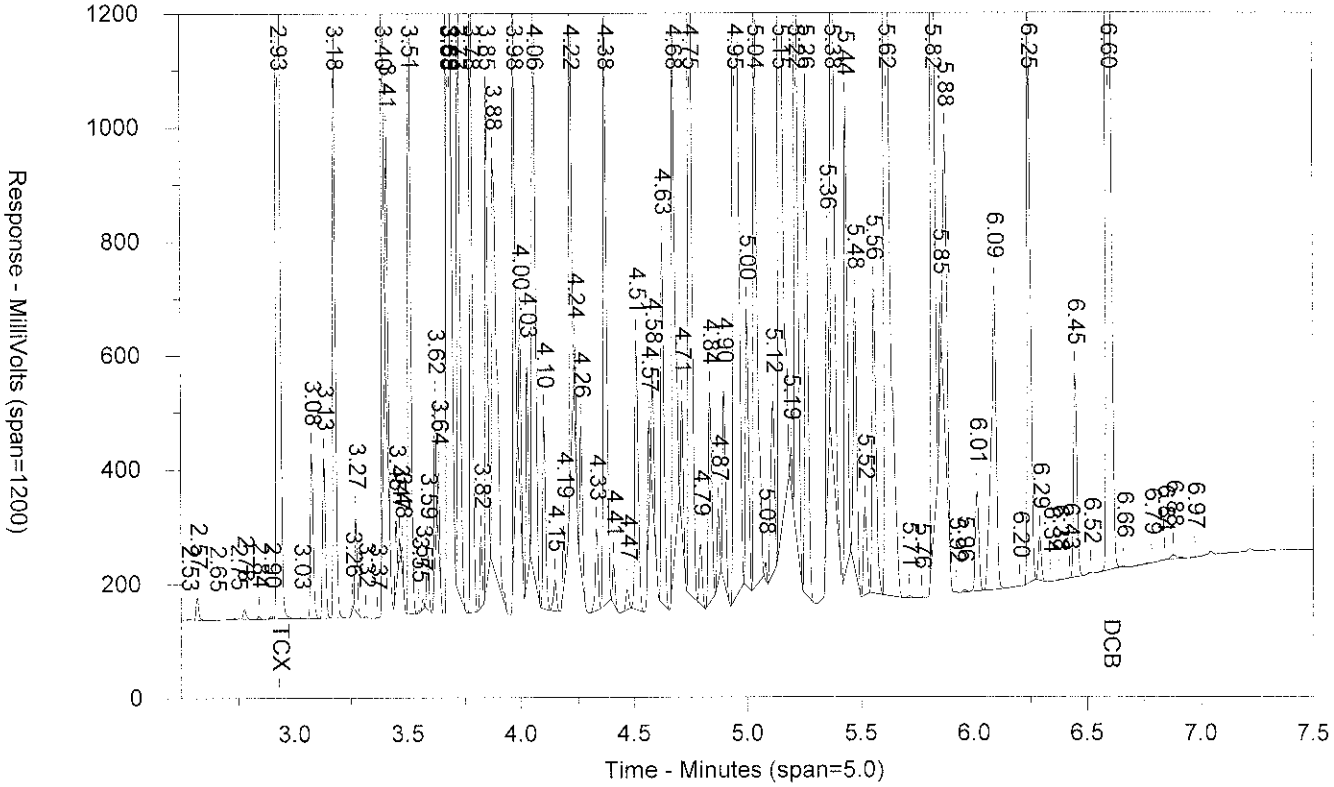

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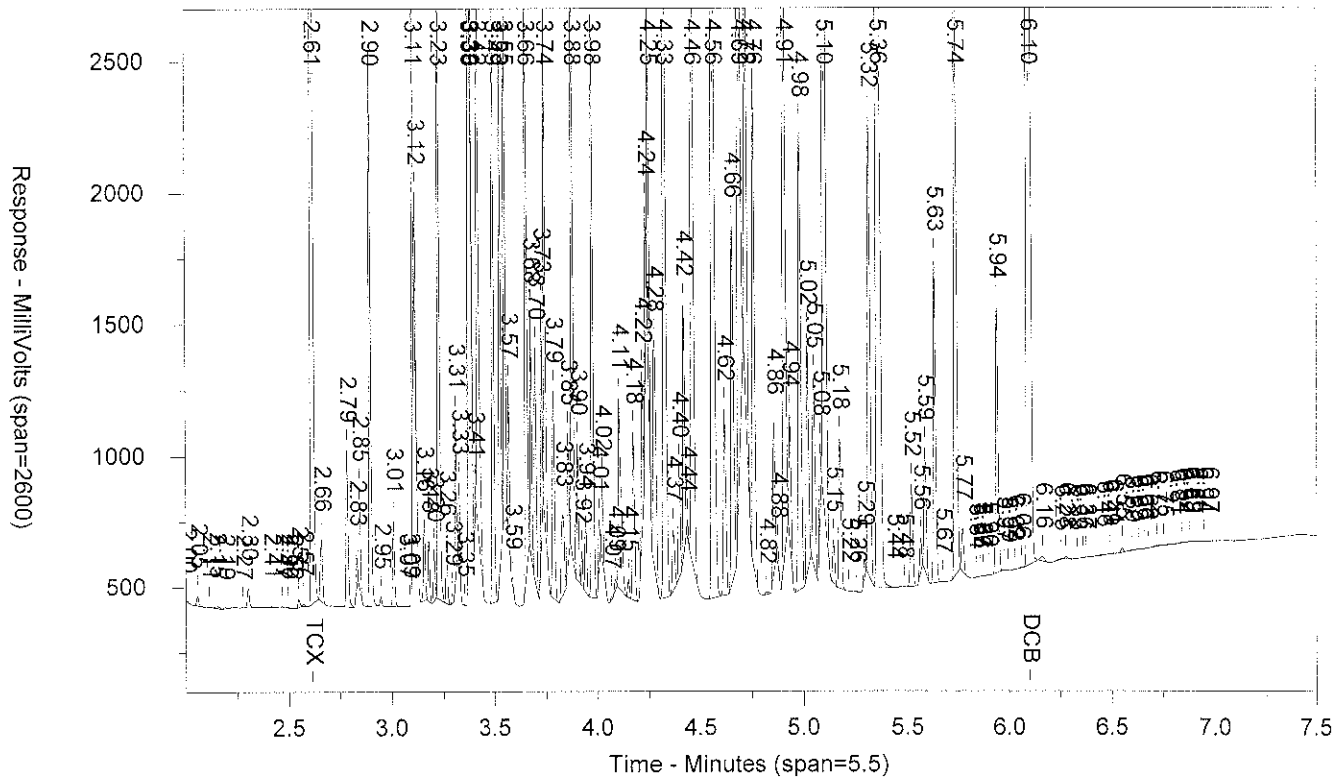

LANCASTER LABORATORIES

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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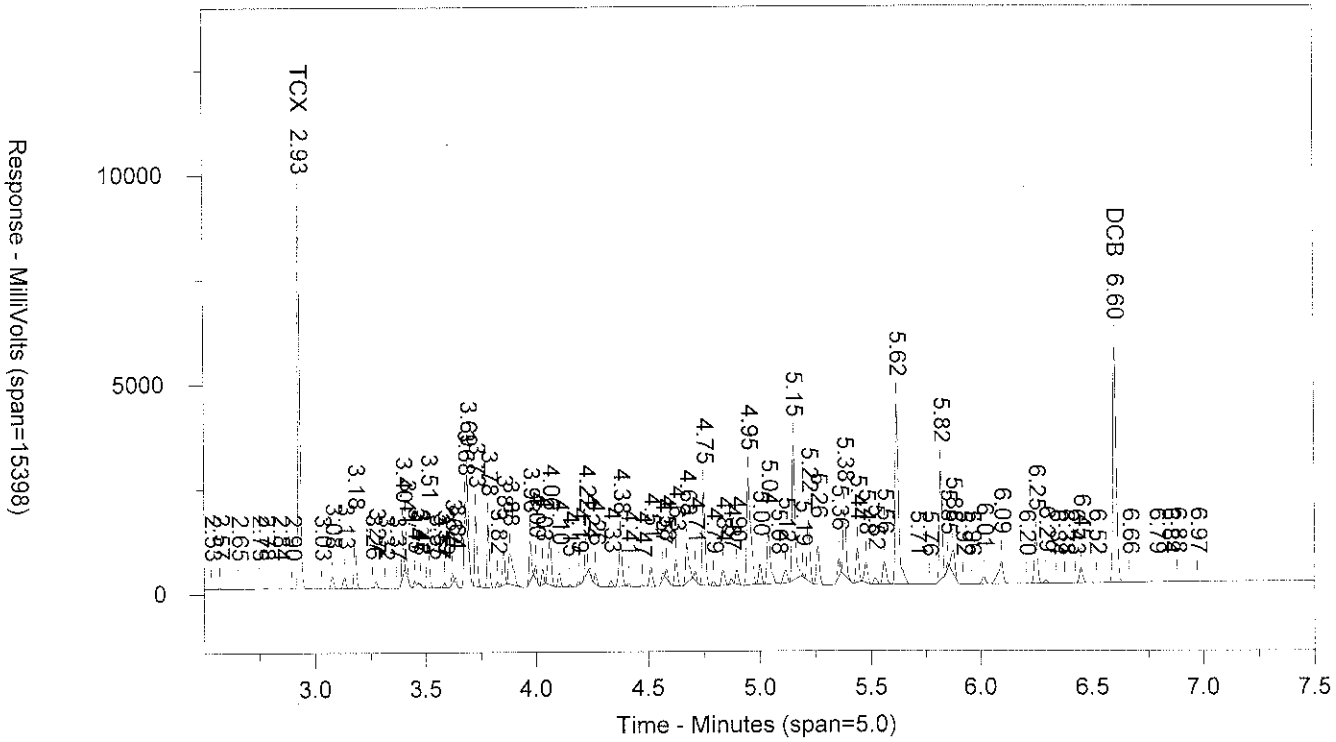

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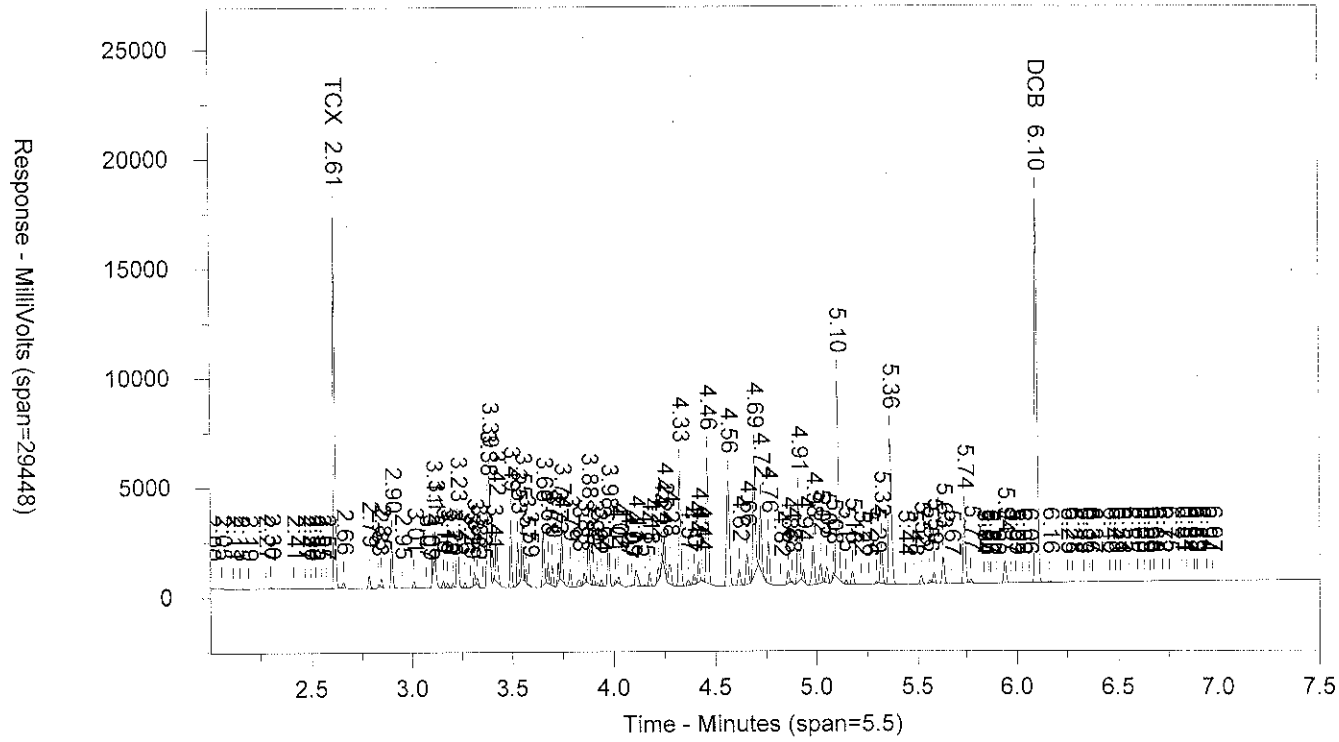

AR1651724B AAAR165AA ICAL 1728399999 10225 SW-846 8082

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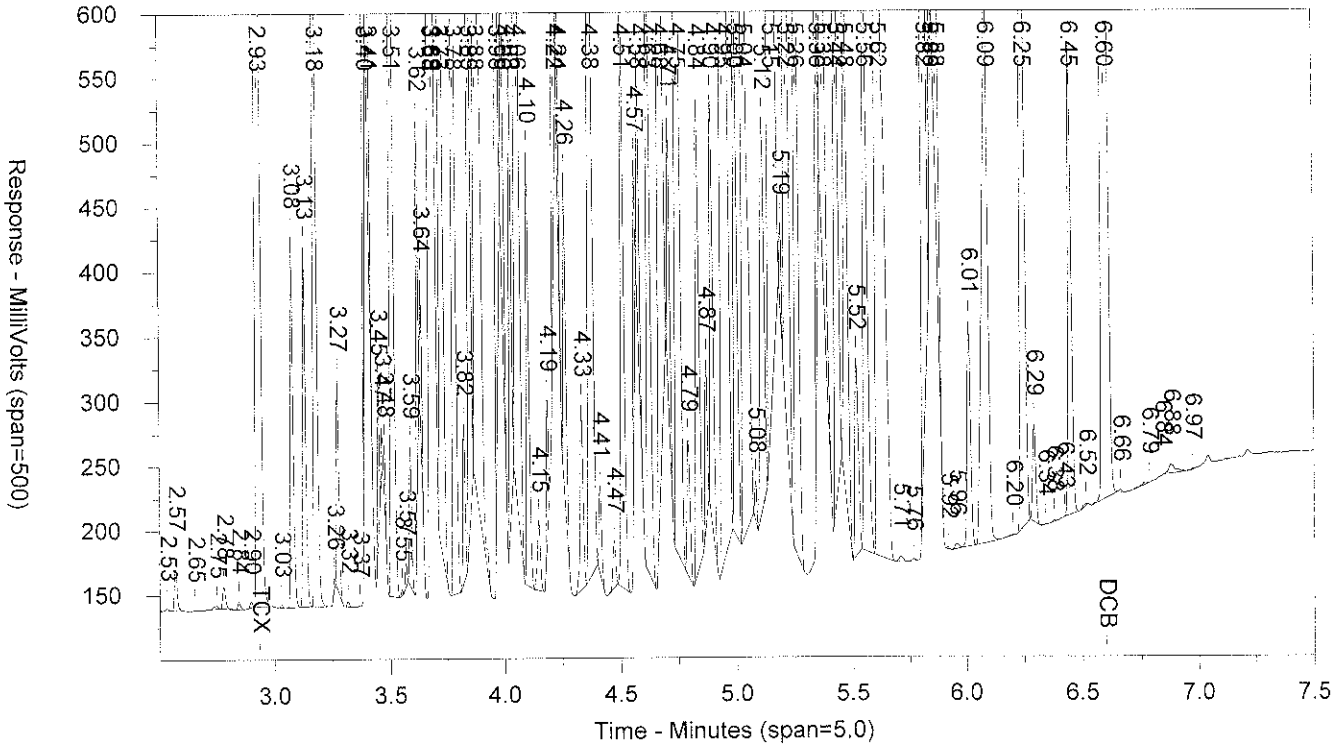

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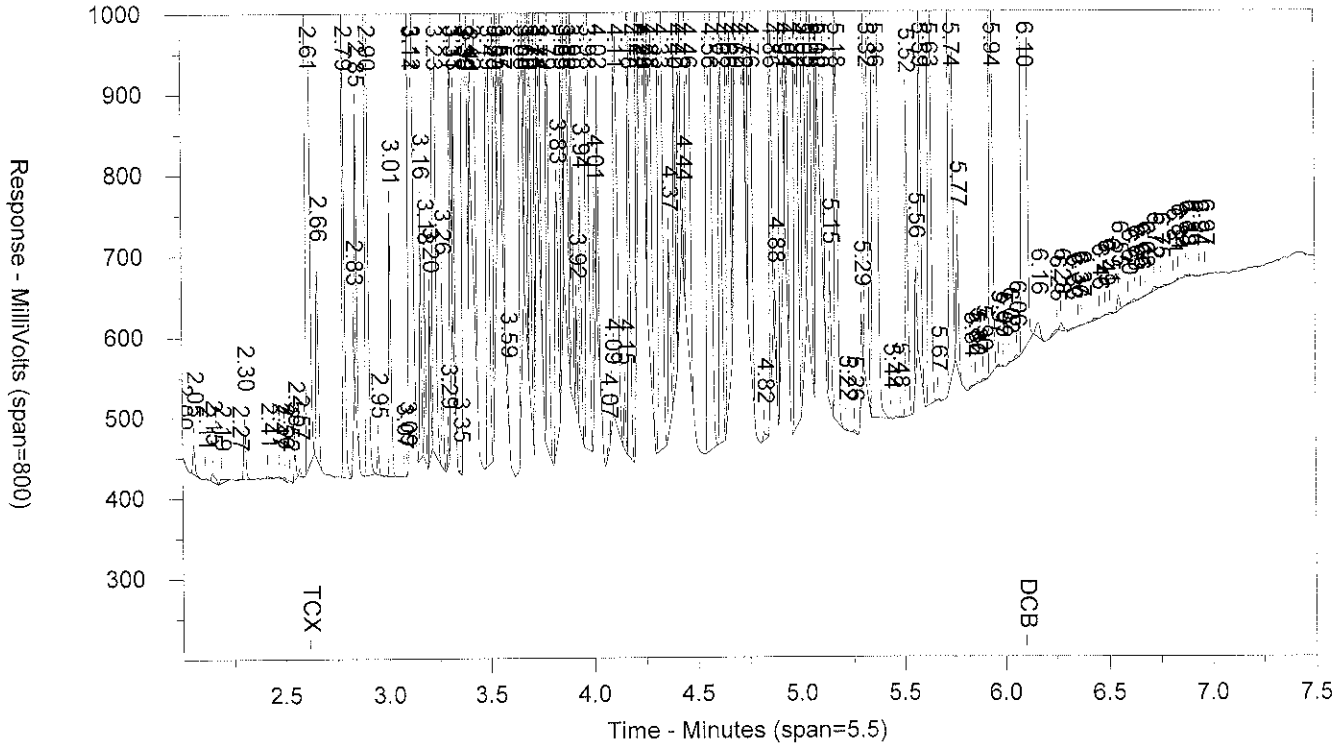

LANCASTER LABORATORIES

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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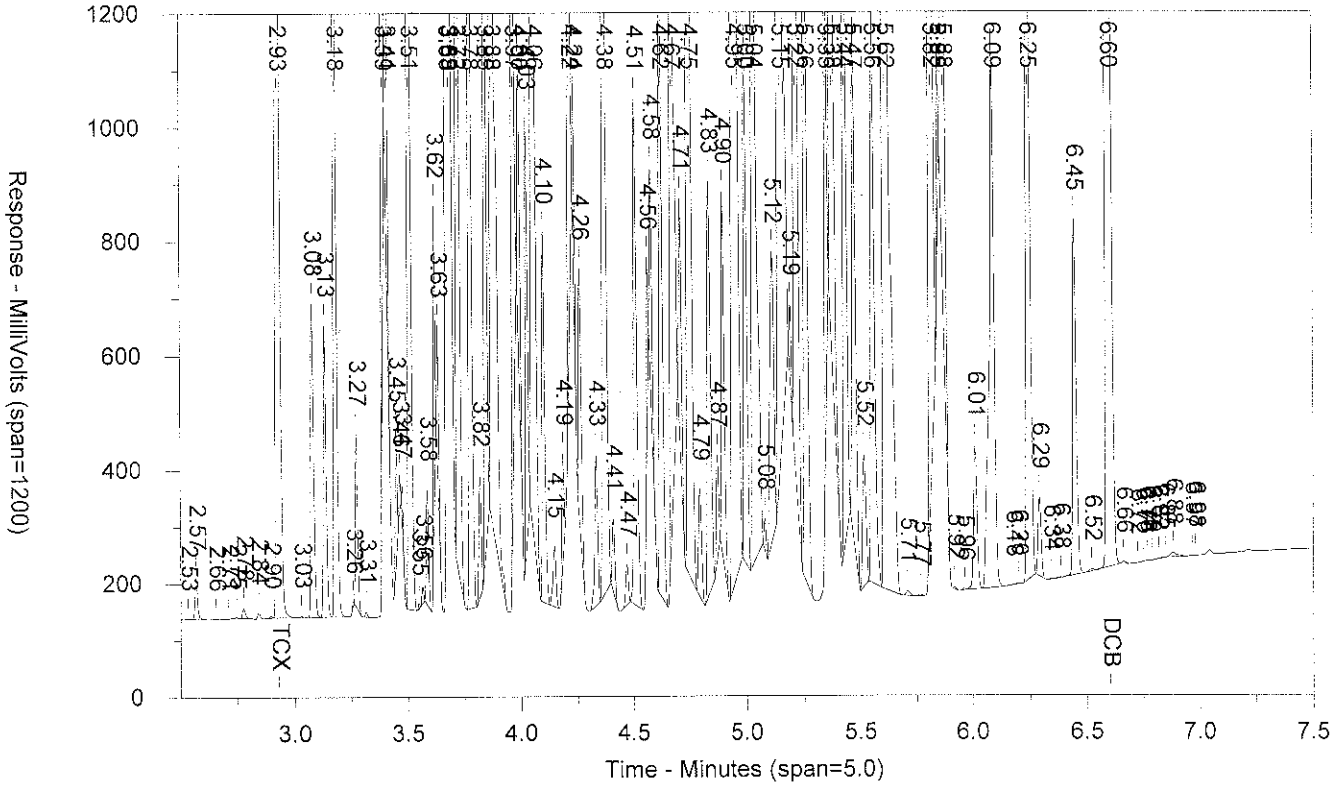

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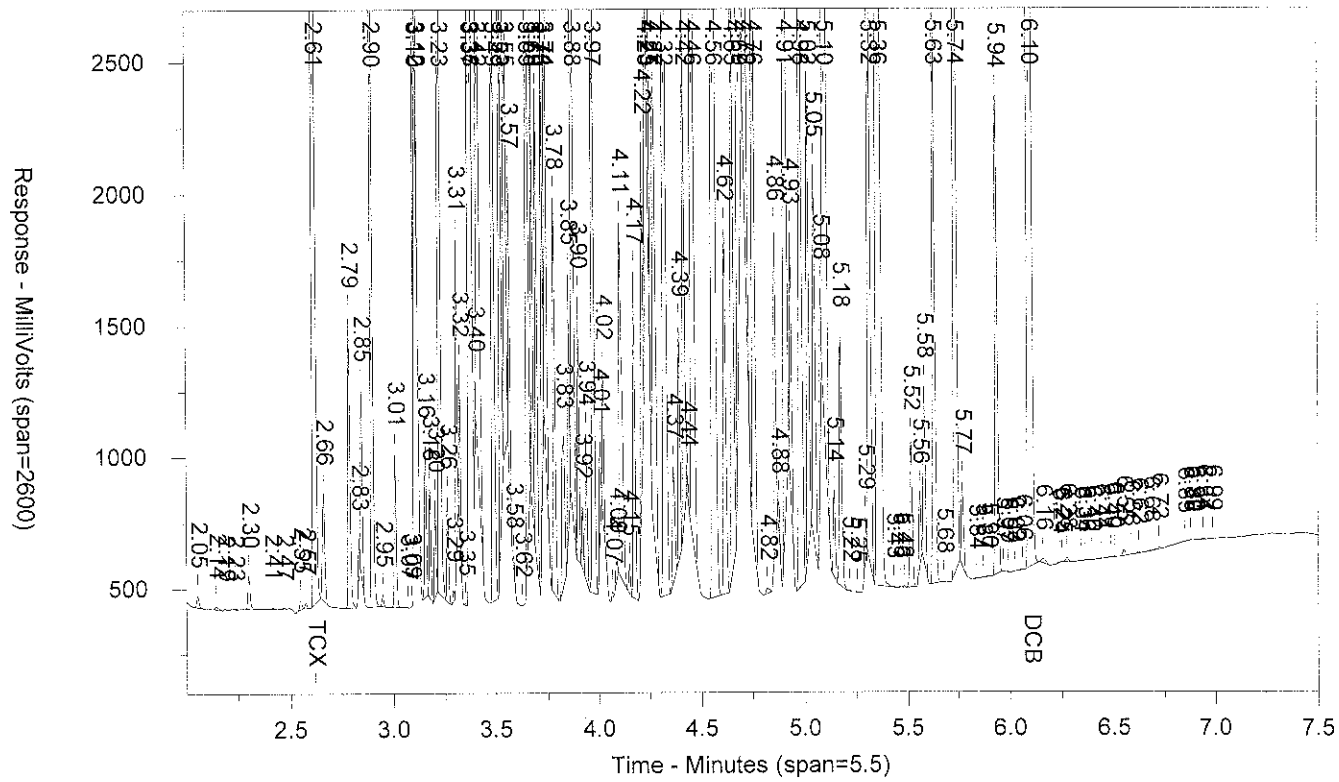

LANCASTER LABORATORIES

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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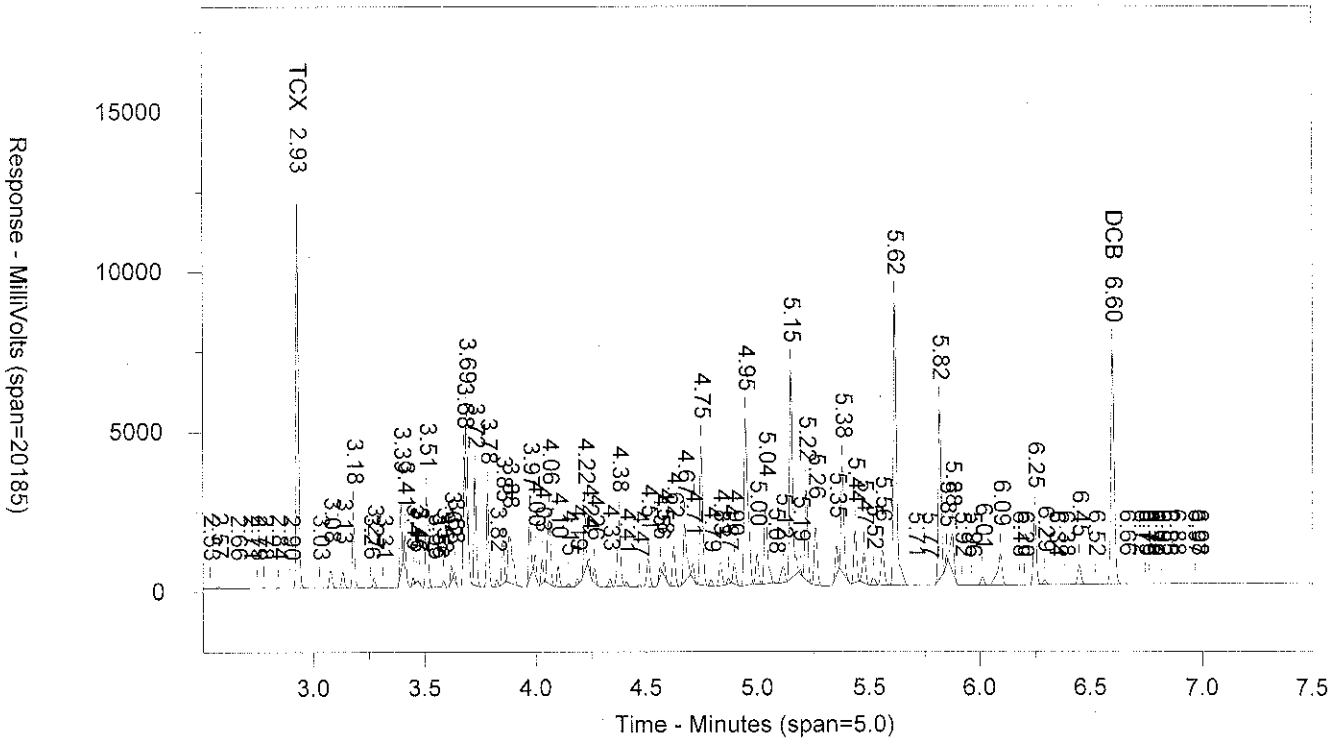

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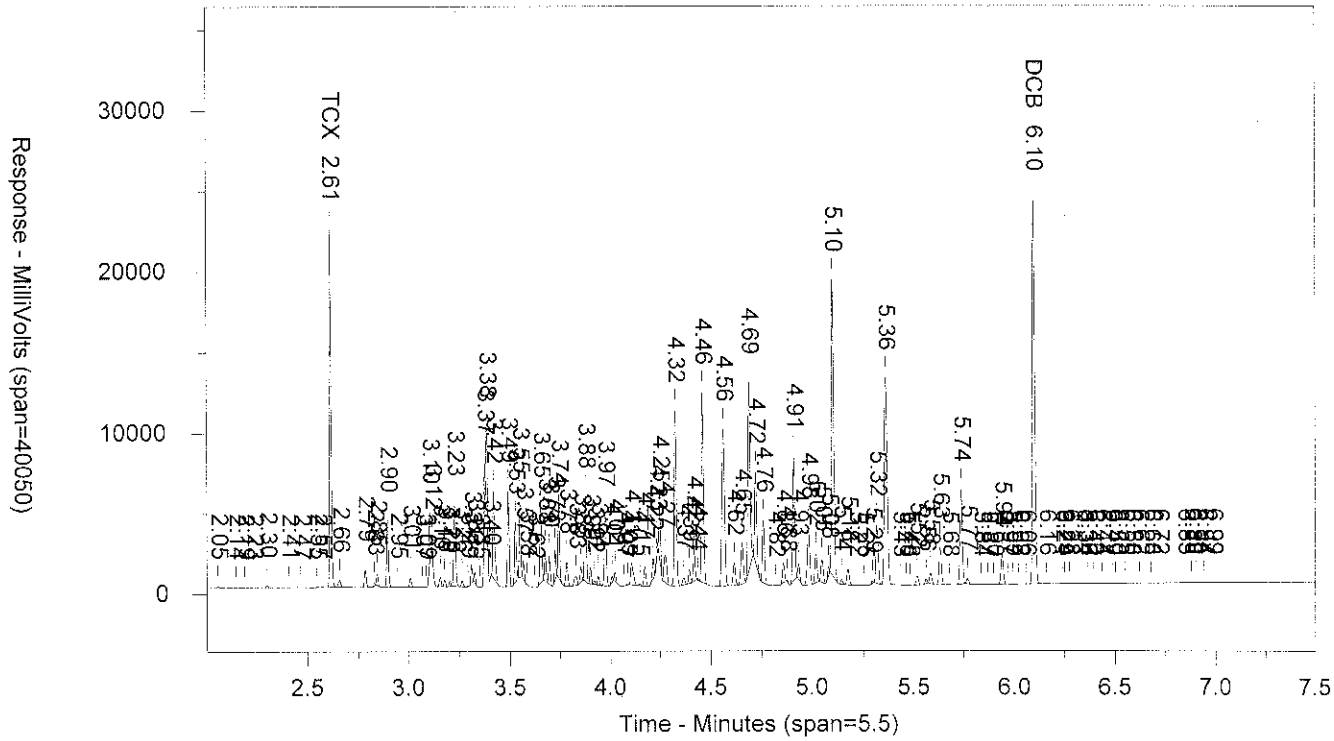

AR1661724A AAAR166AA ICAL 1728399999 10225 SW-846 8082

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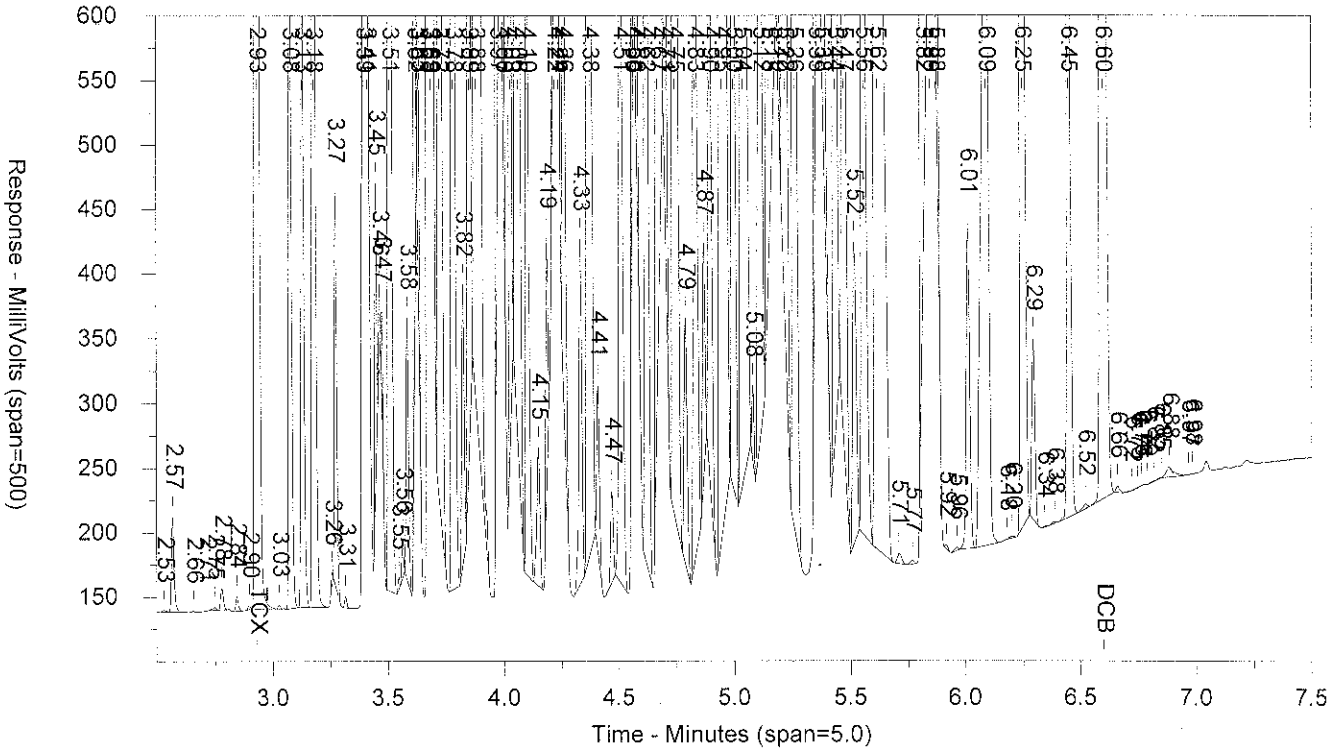

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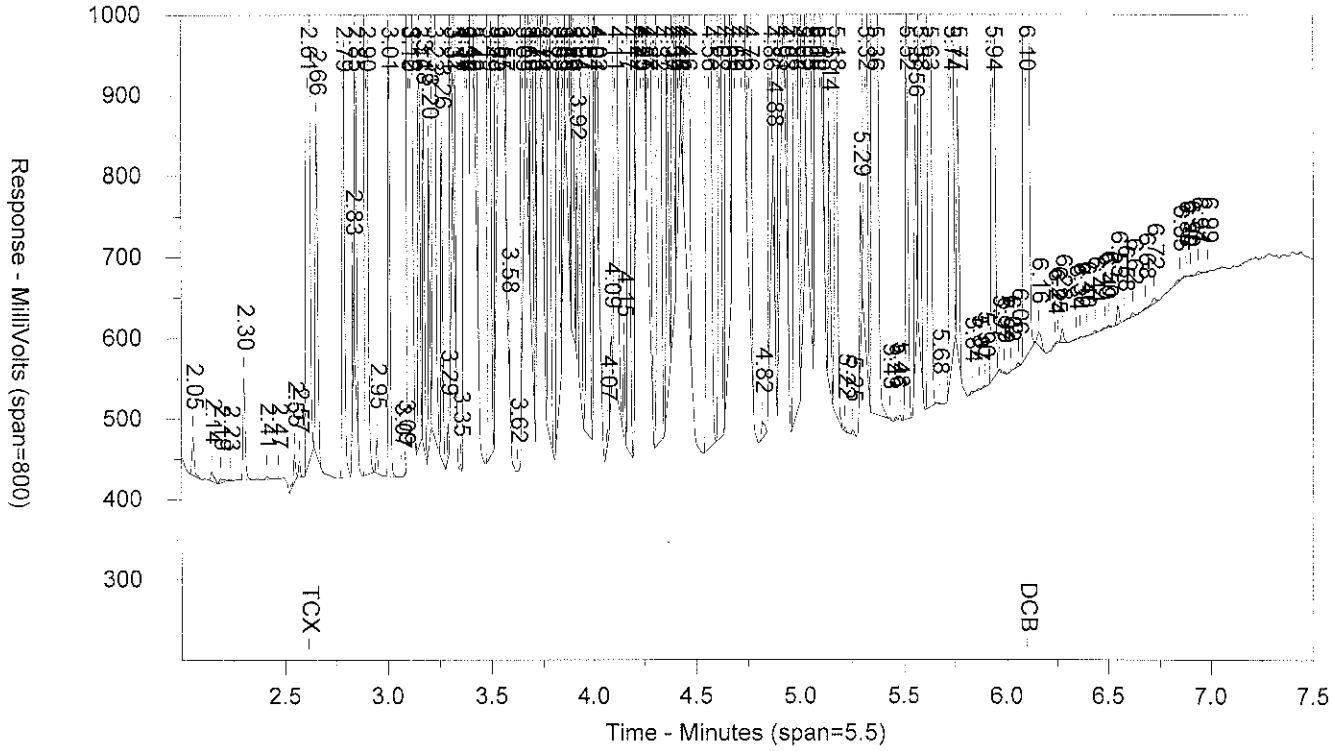

LANCASTER LABORATORIES

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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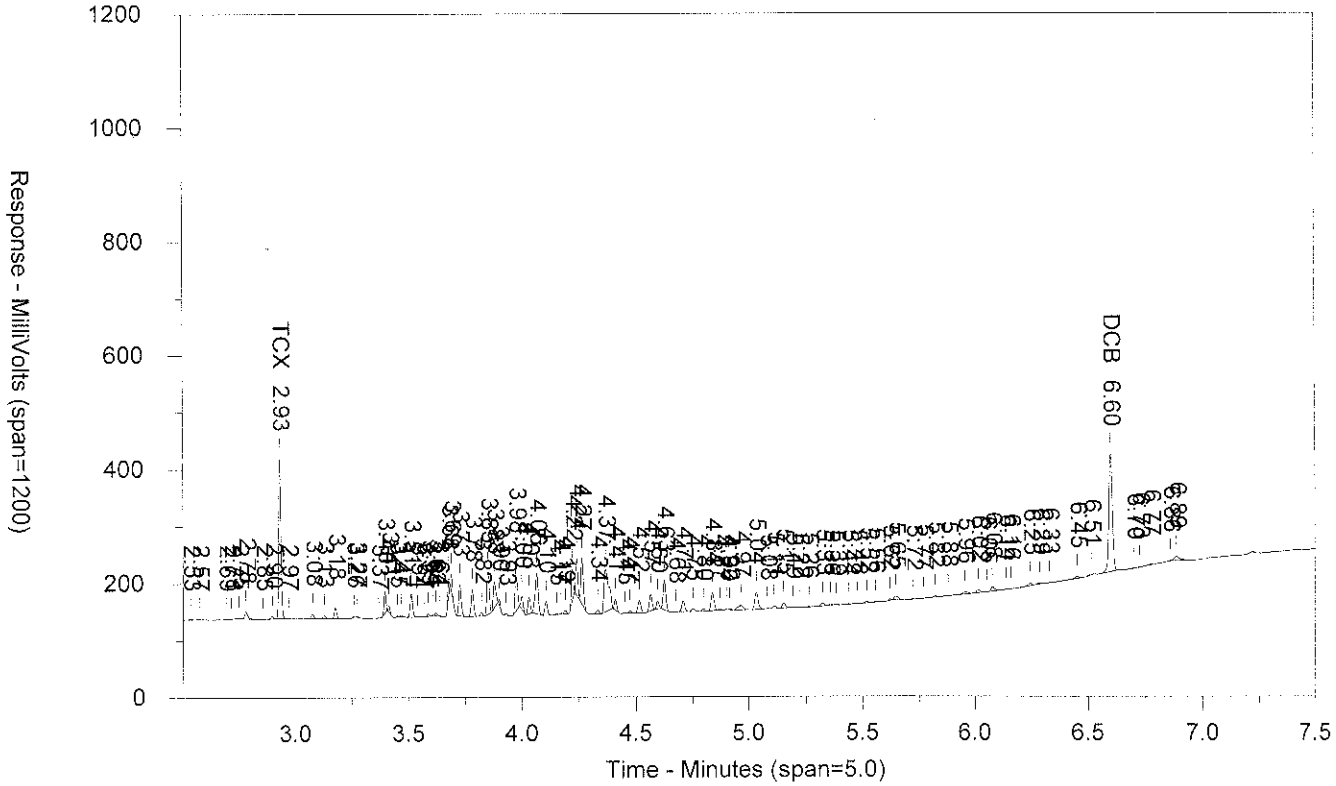

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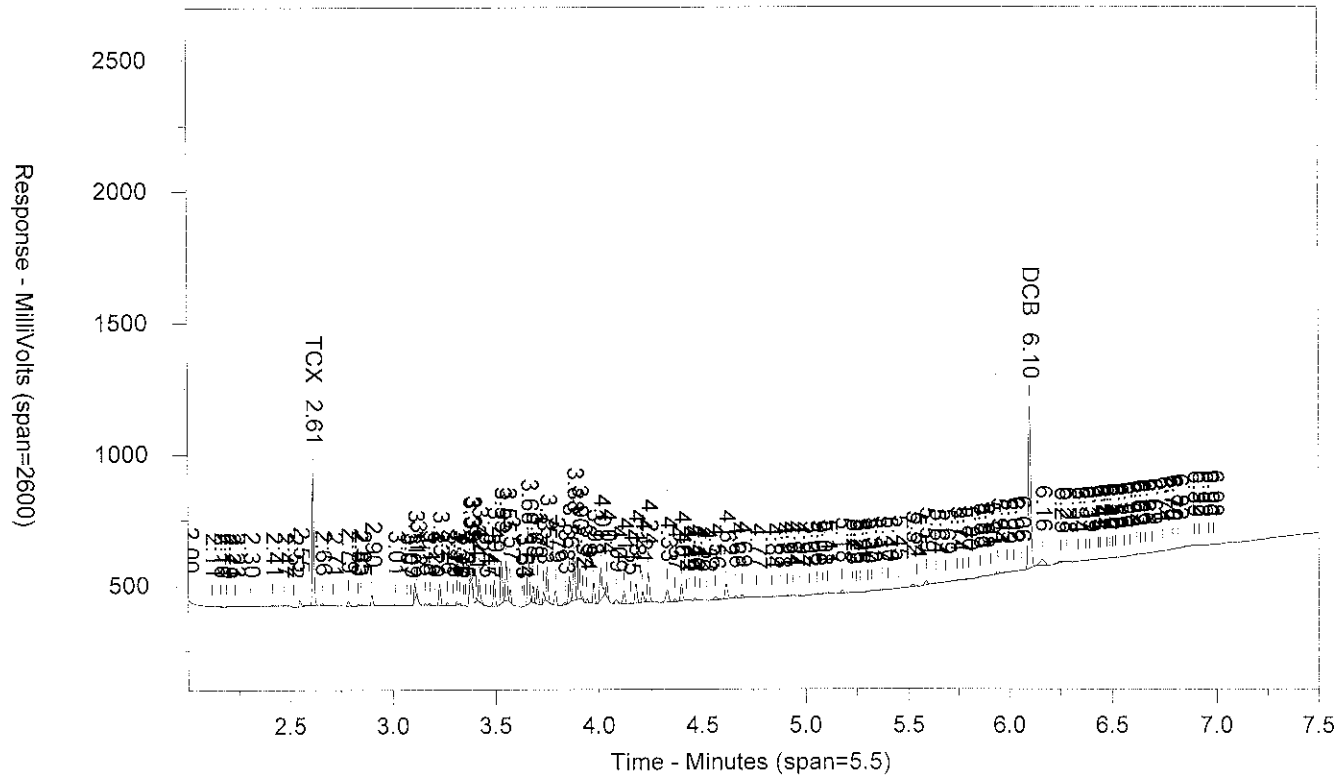

LANCASTER LABORATORIES

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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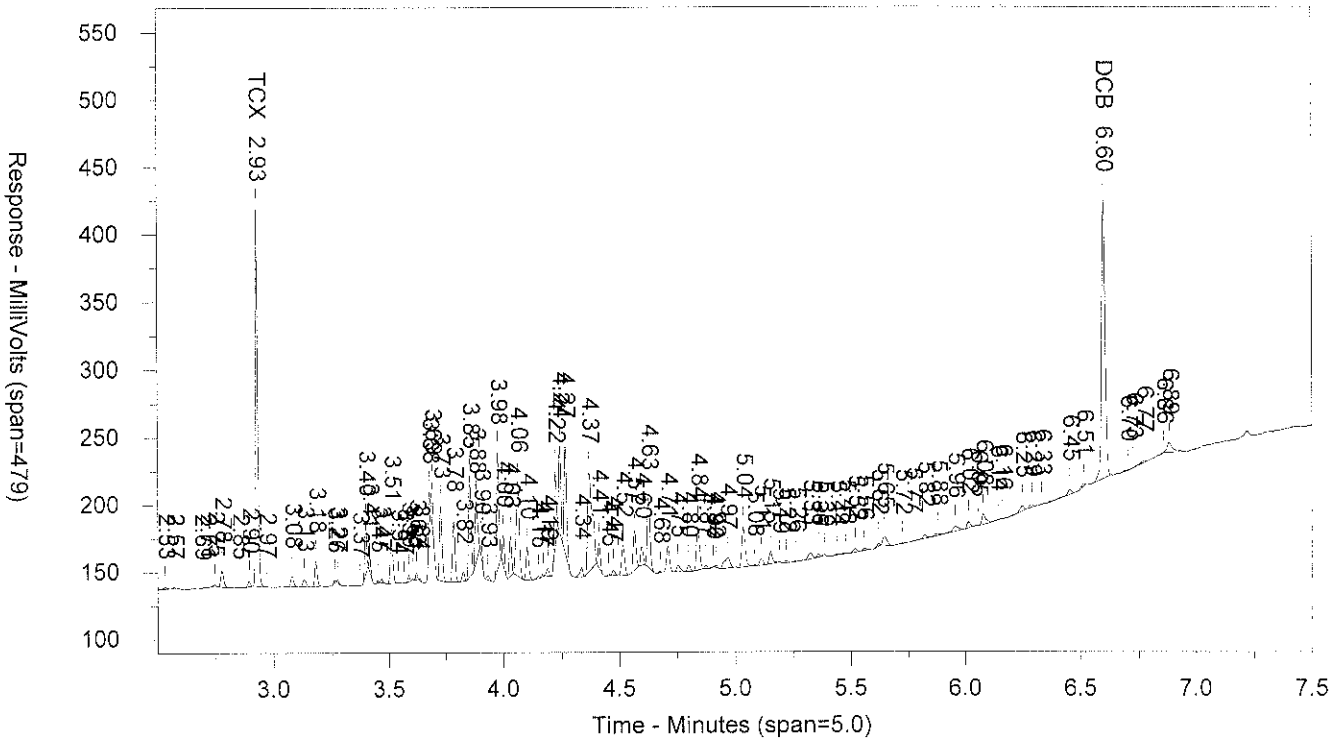

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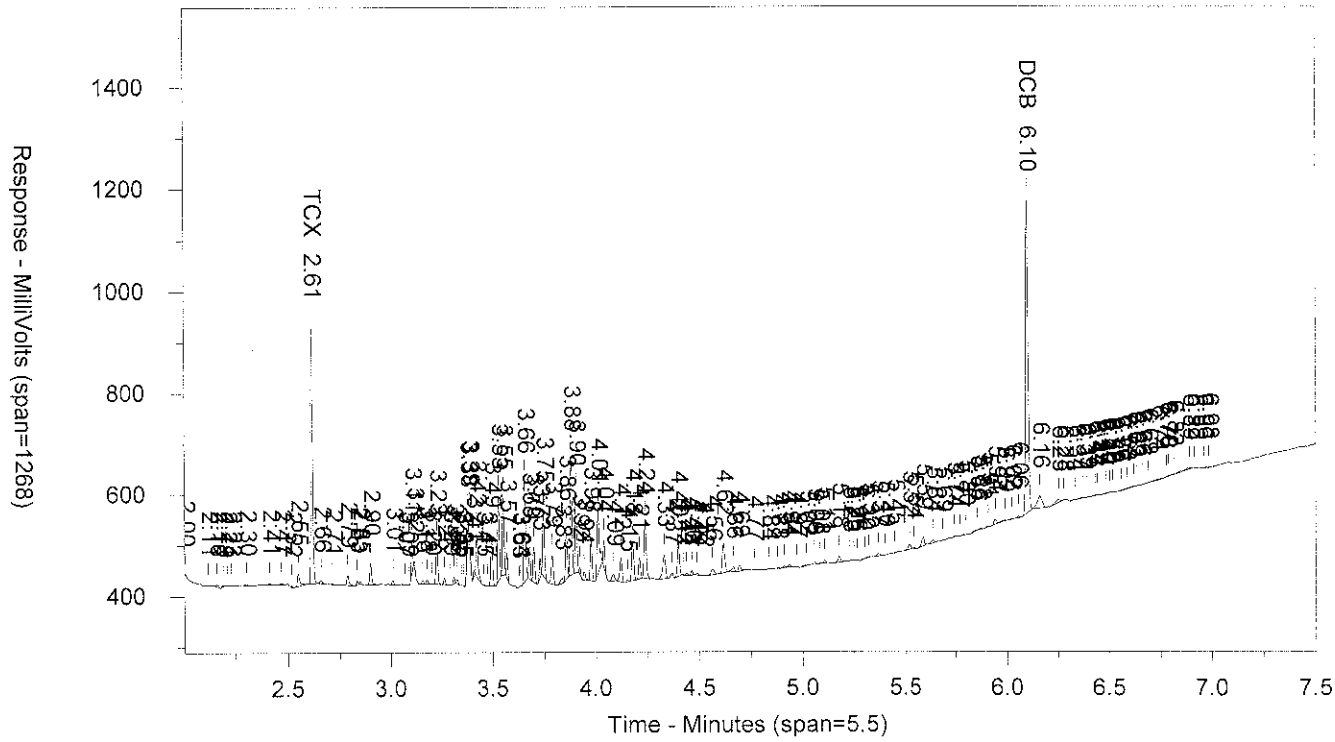

AR4811724C AAAR481AA ICAL 1728399999 10225 SW-846 8082

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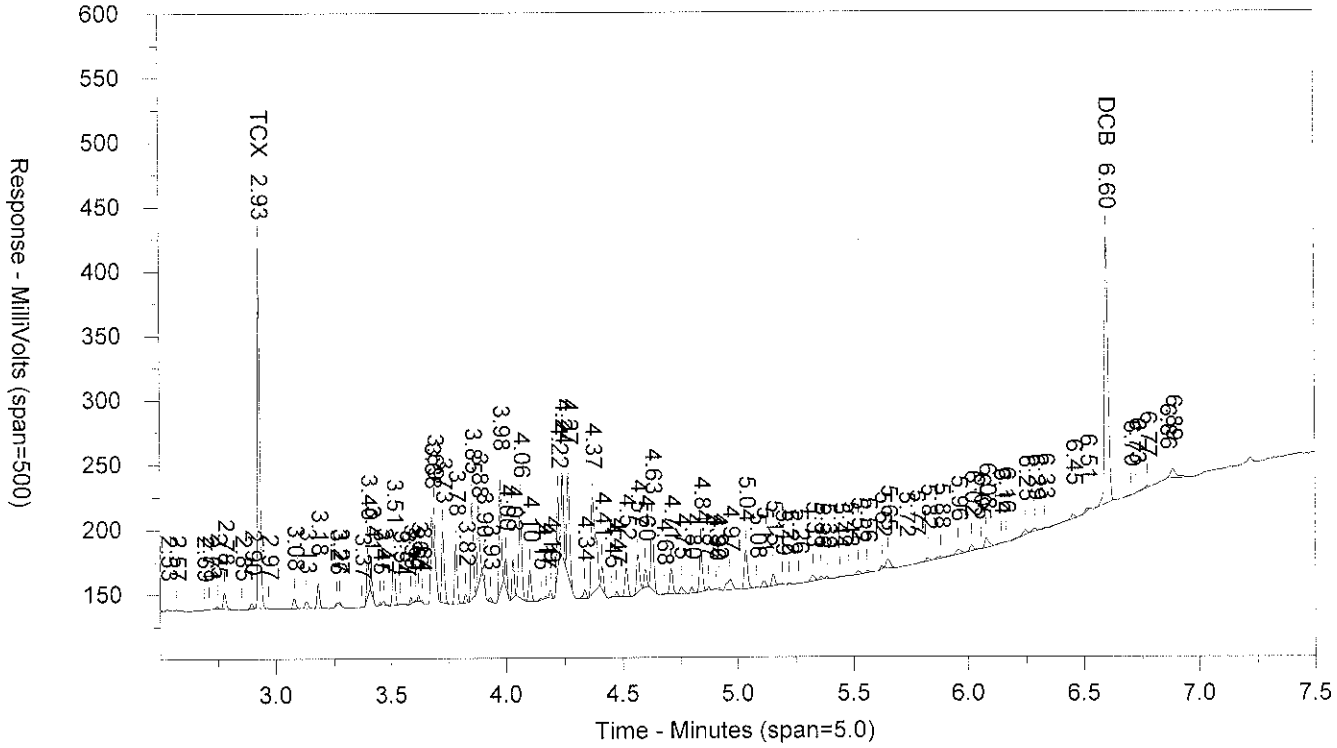

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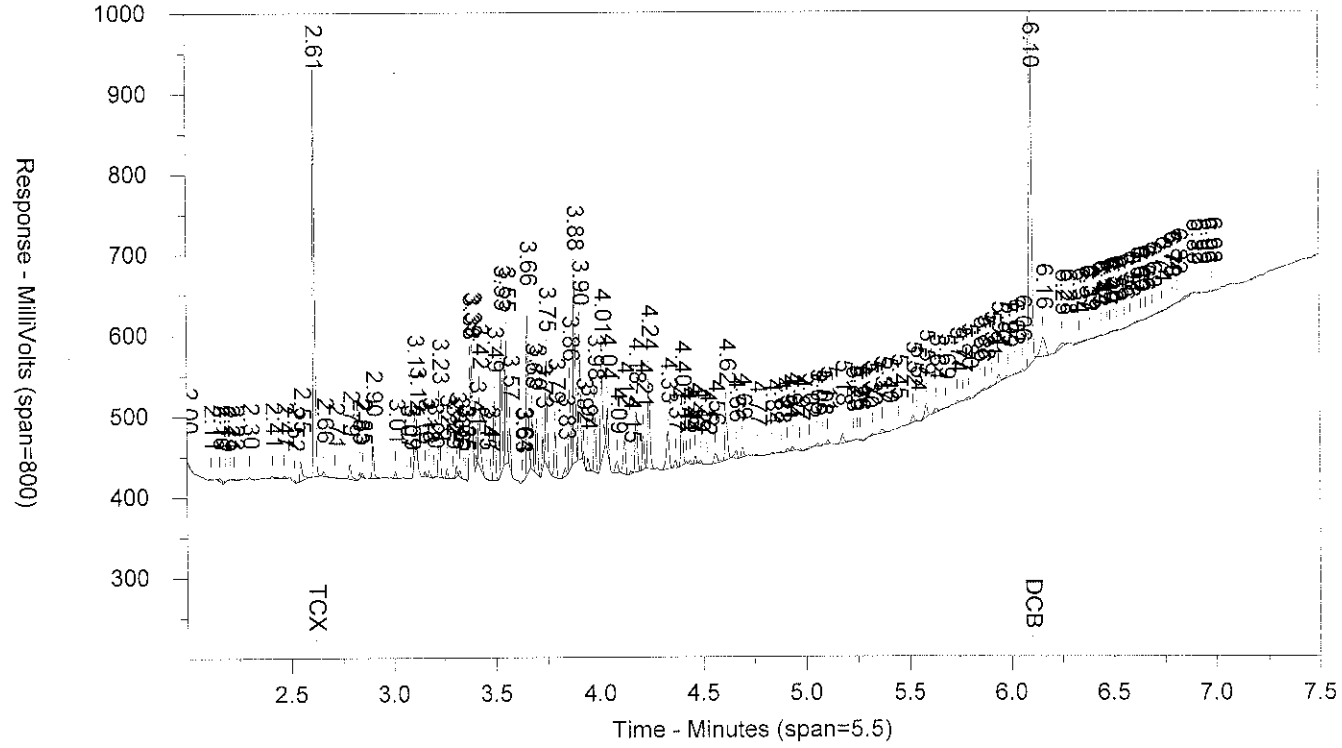

LANCASTER LABORATORIES

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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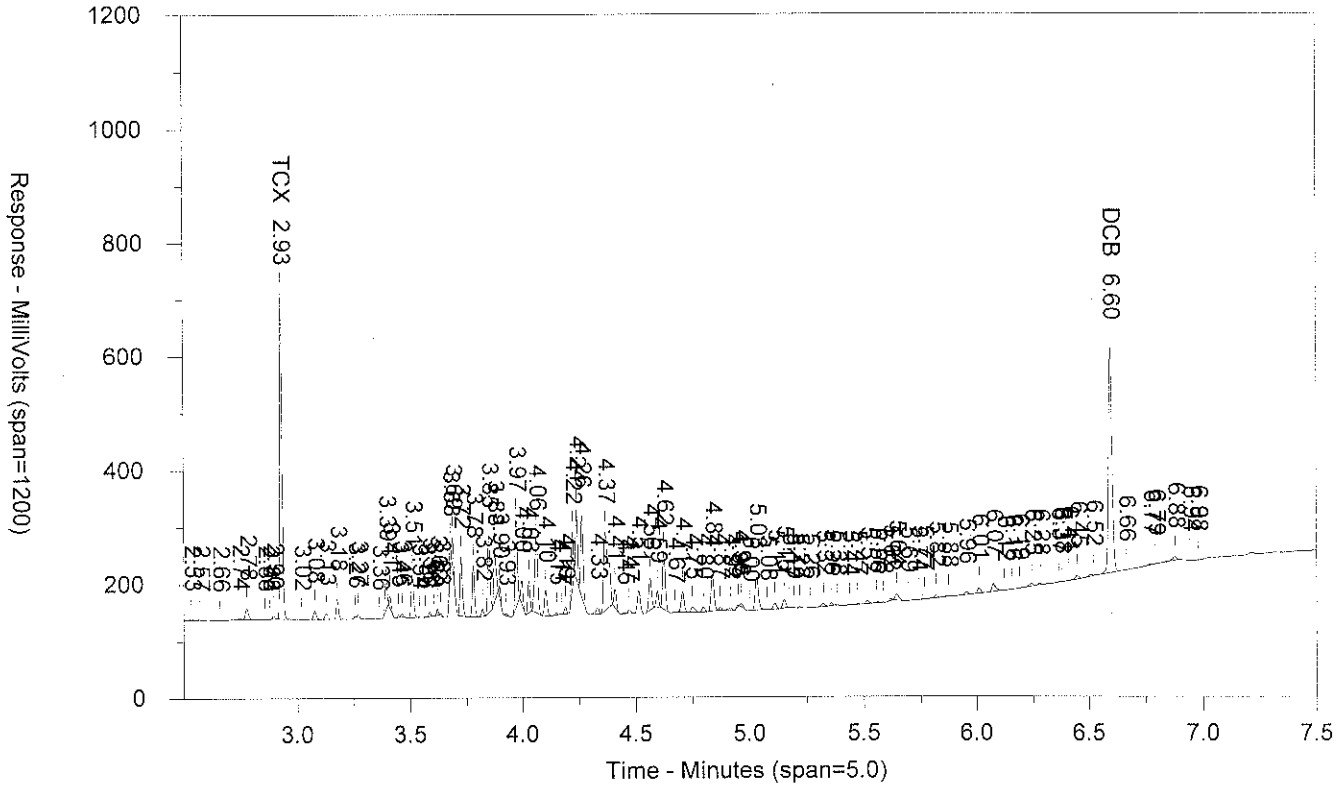

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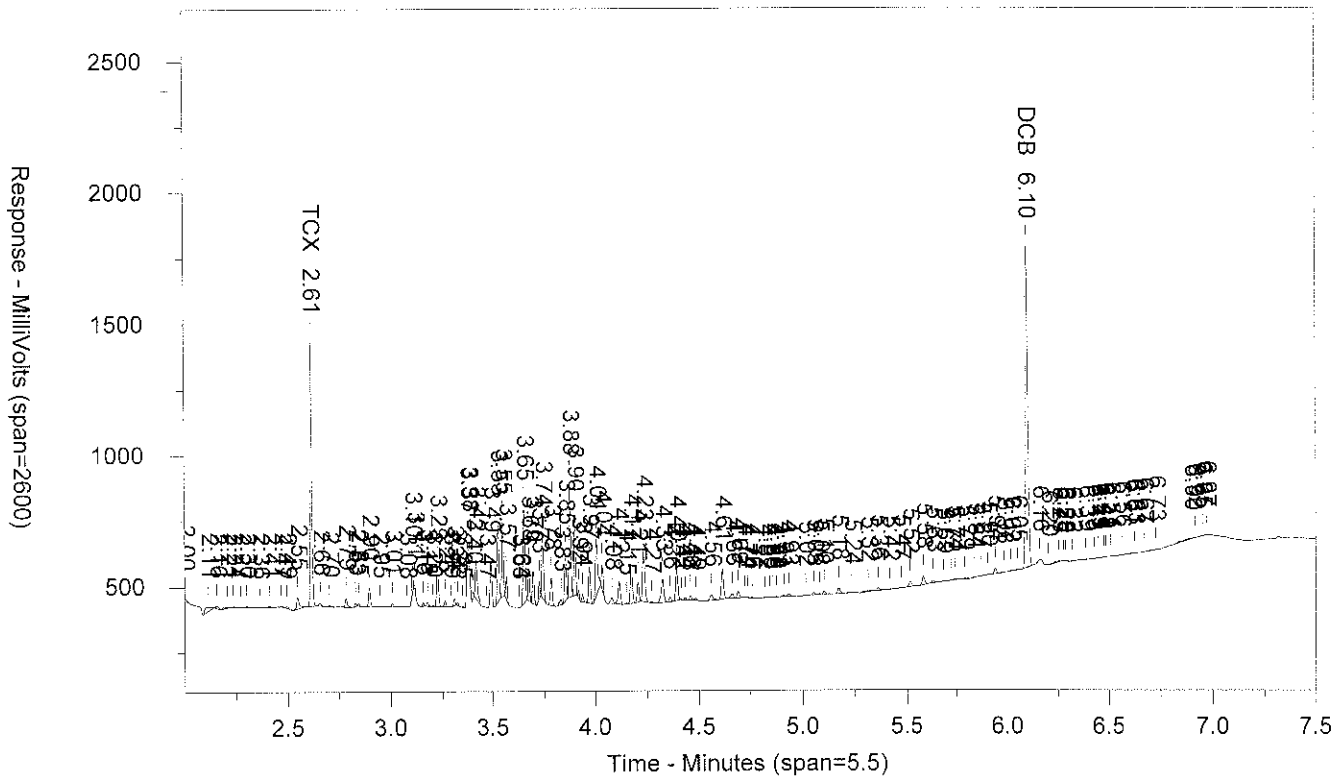

LANCASTER LABORATORIES

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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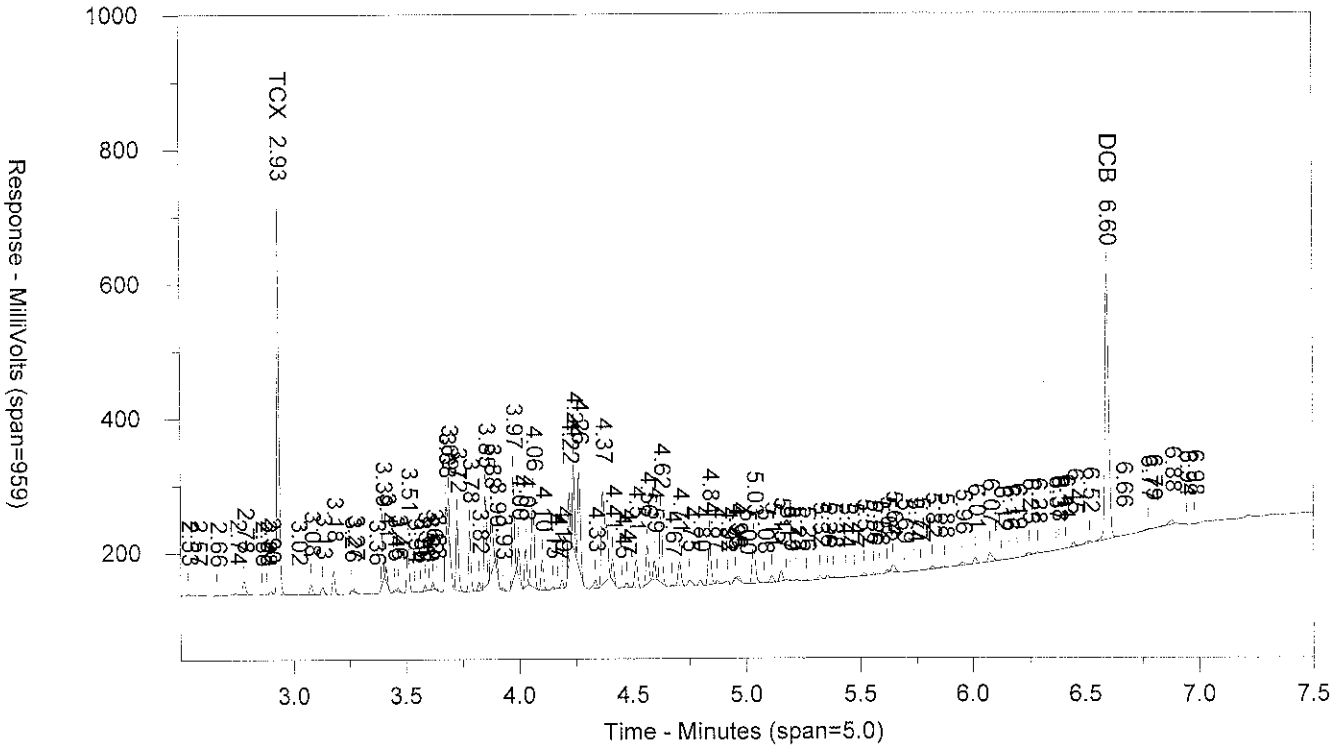

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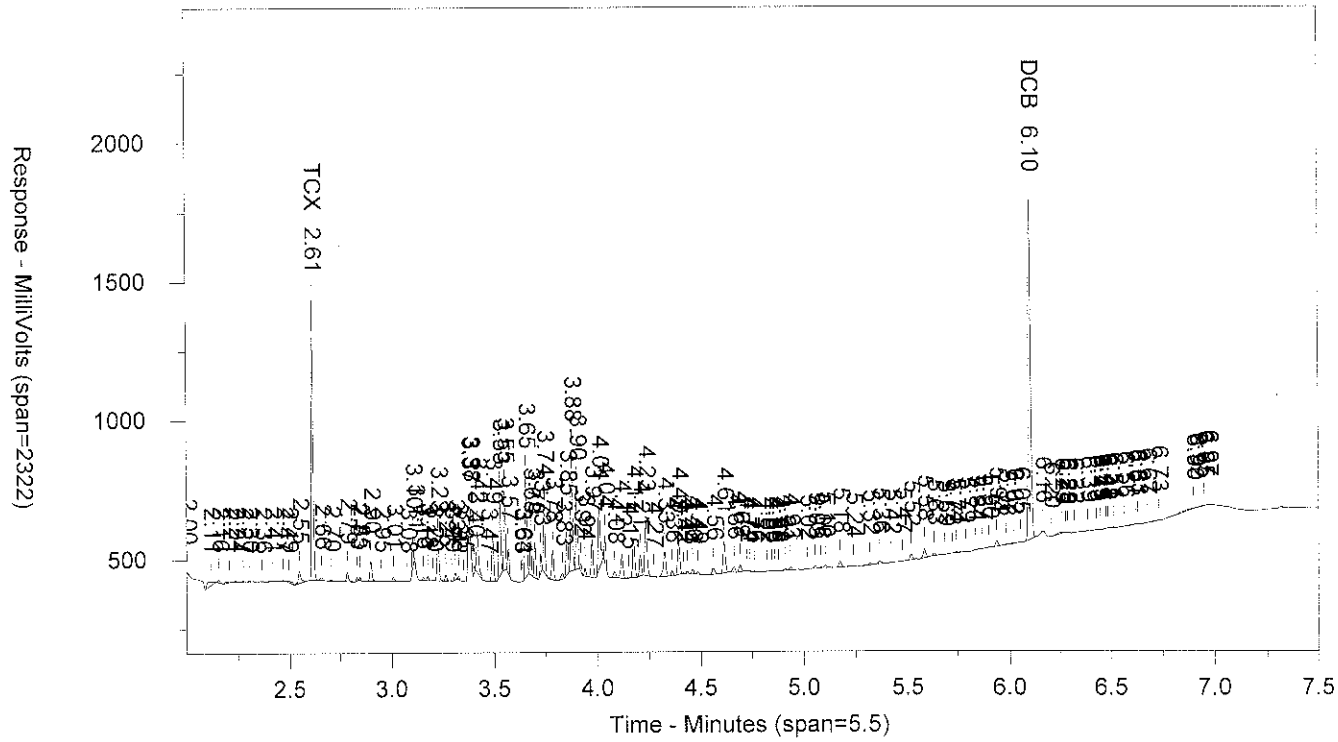

AR4821724C AAAR482AA ICAL 1728399999 10225 SW-846 8082

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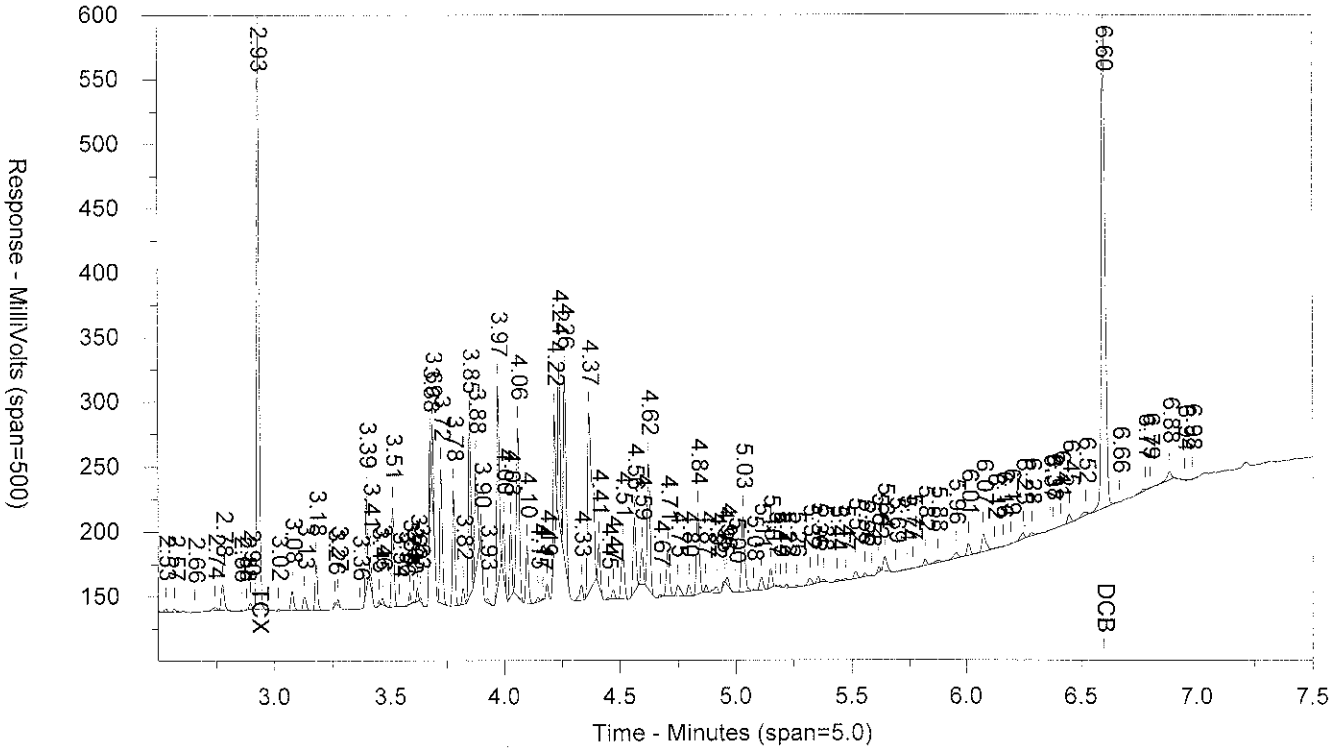

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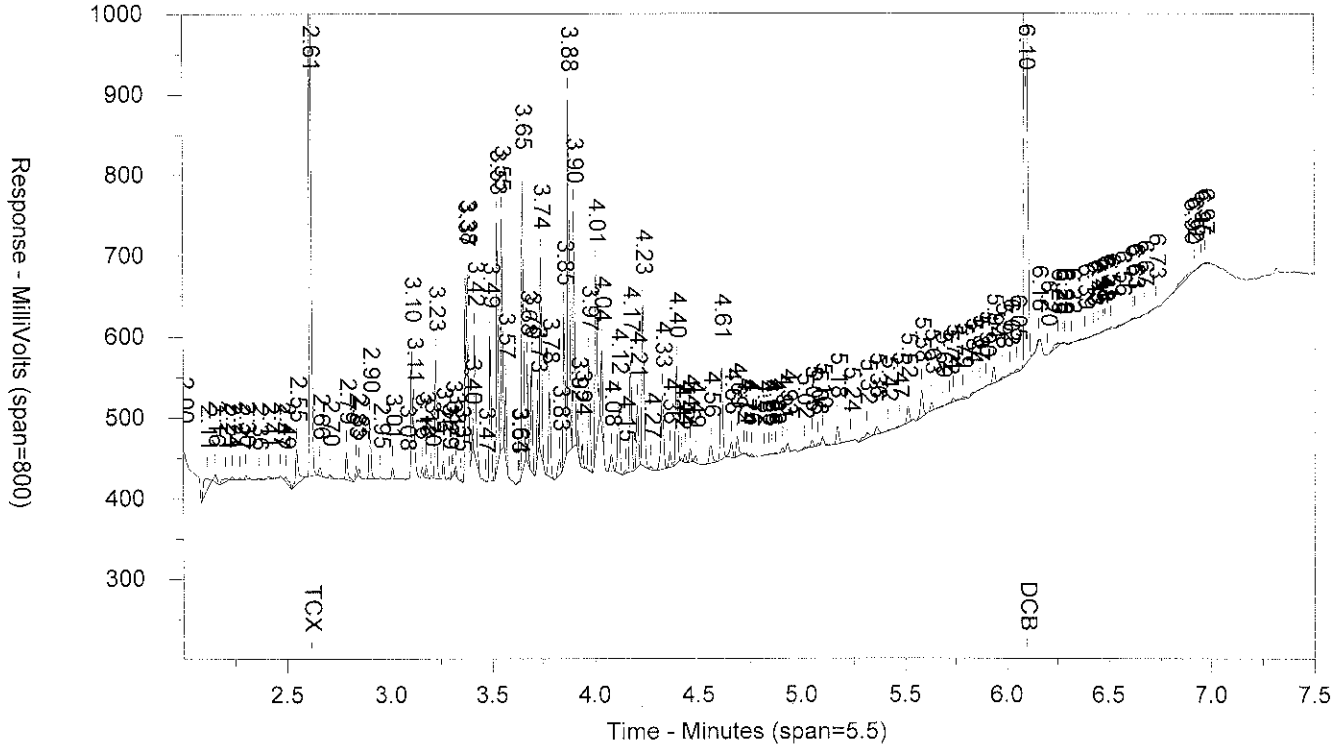

LANCASTER LABORATORIES

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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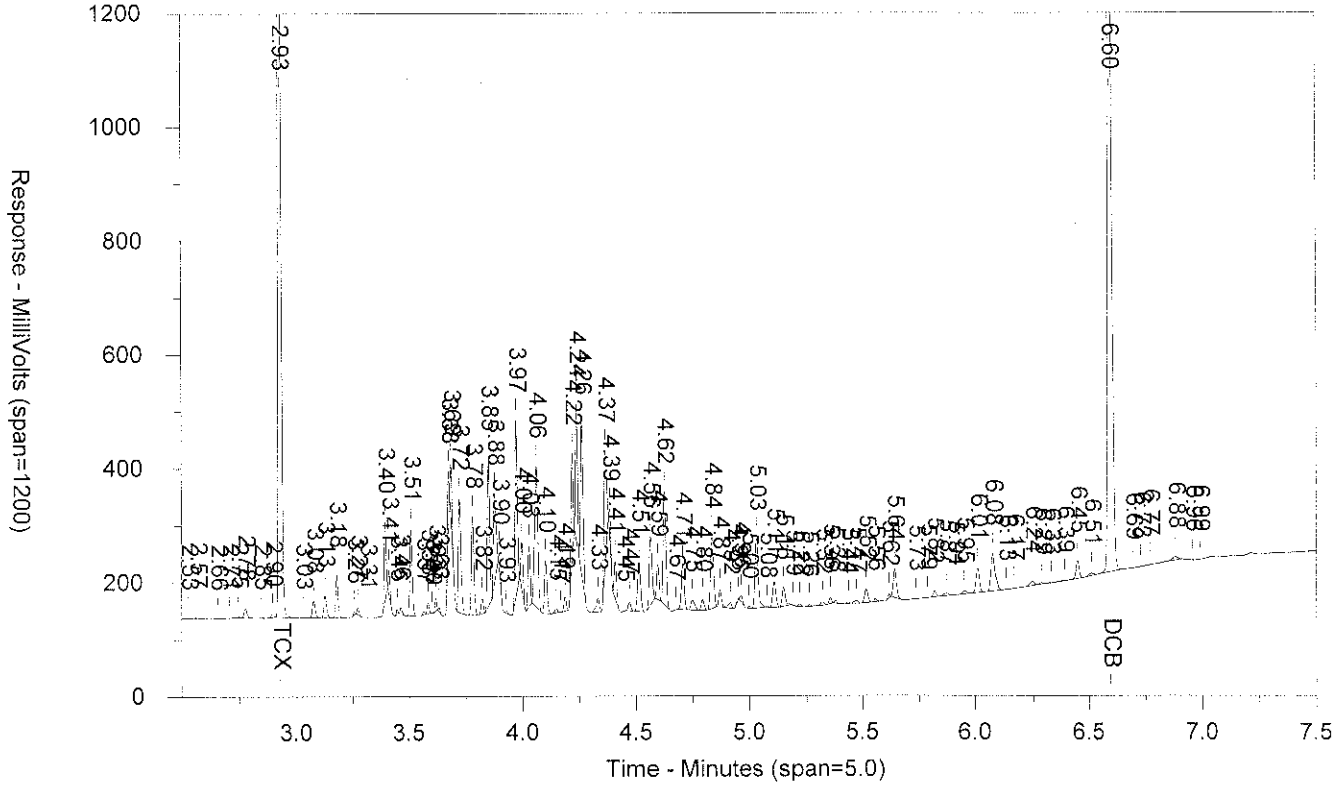

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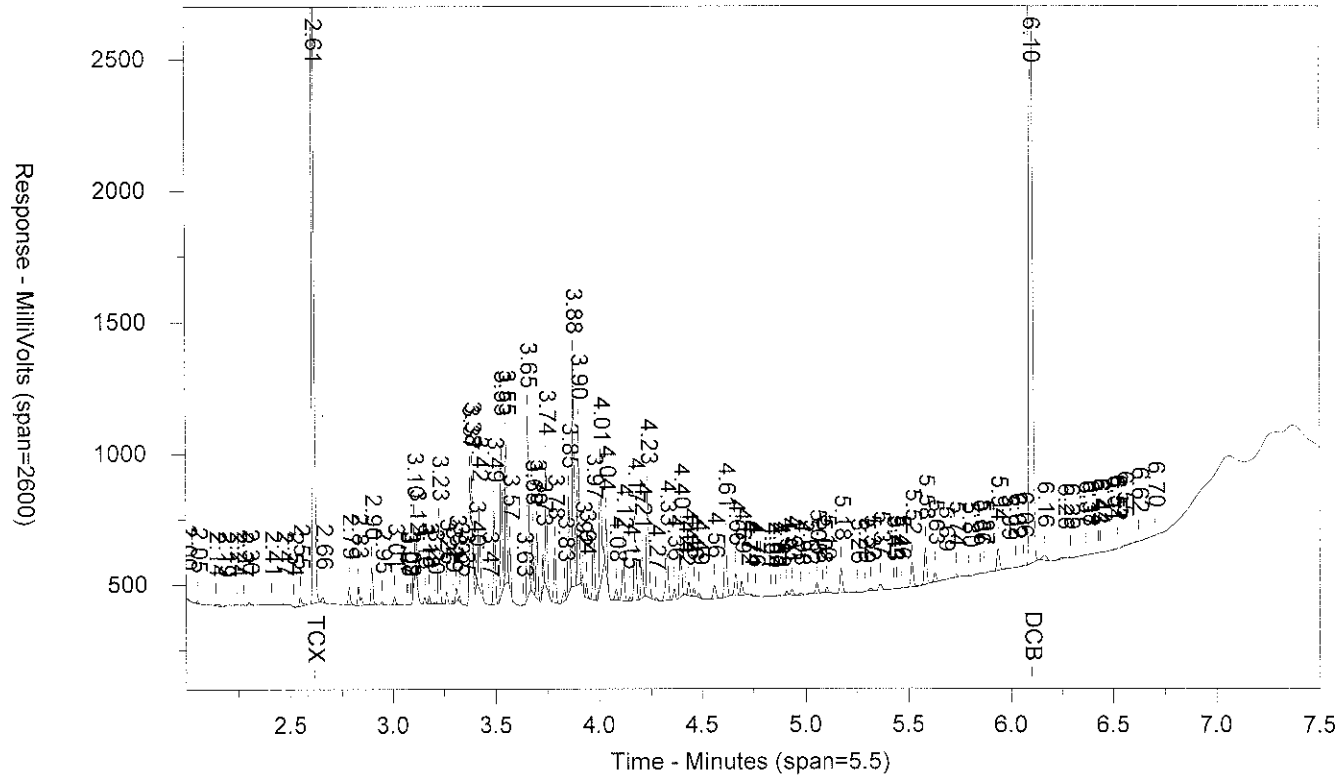

LANCASTER LABORATORIES

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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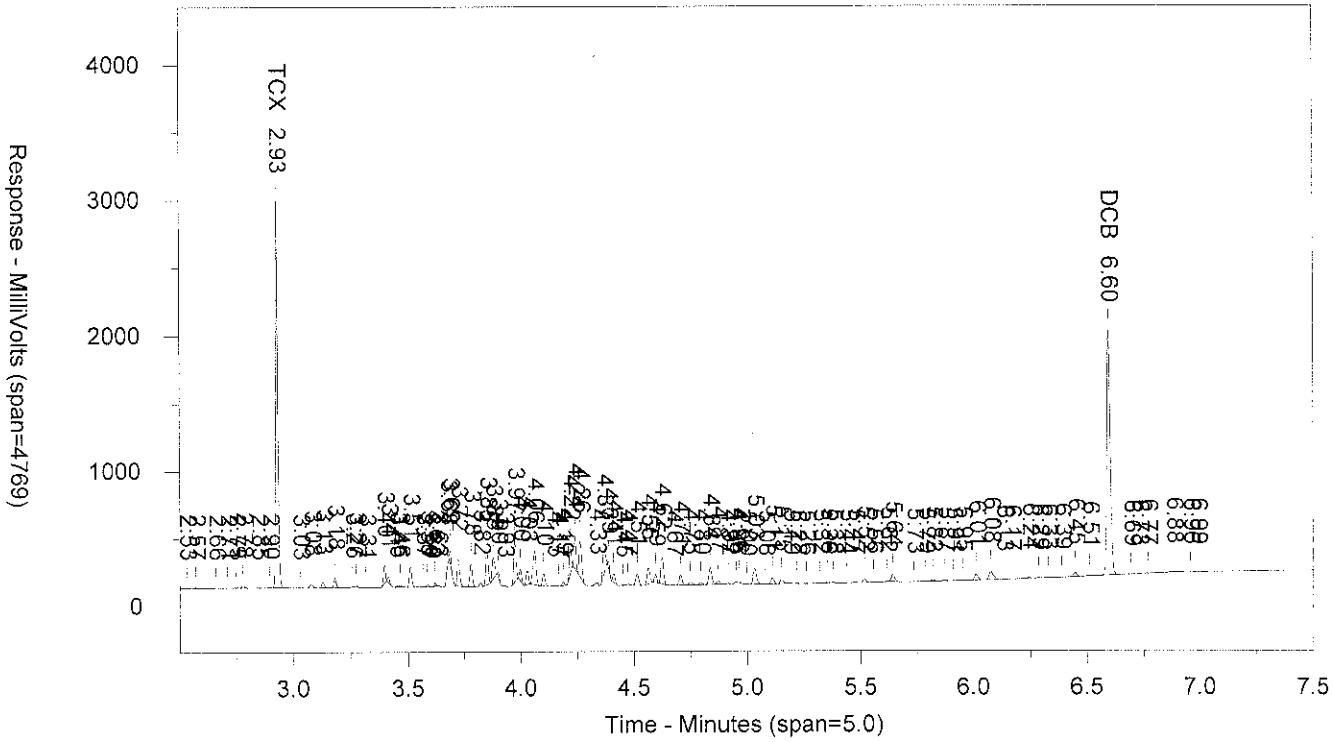

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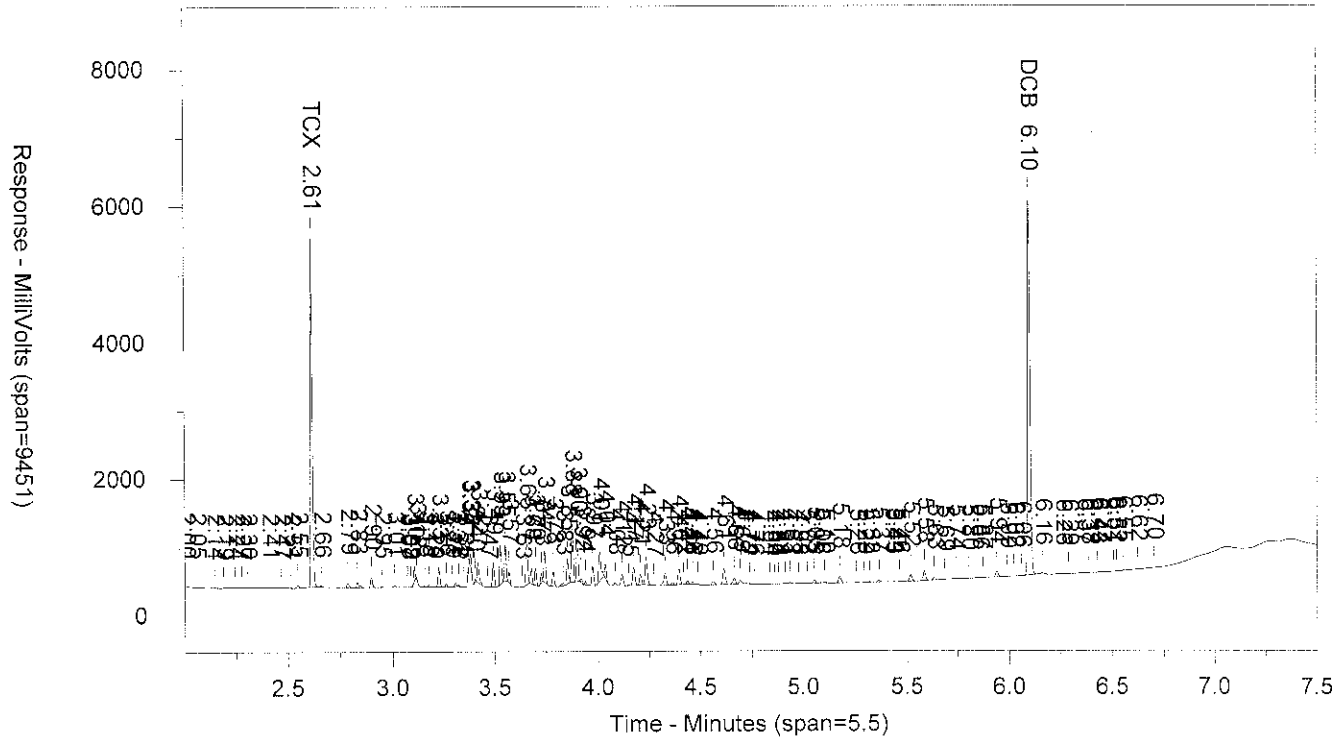

AR4831724C AAAR483AA ICAL 1728399999 10225 SW-846 8082

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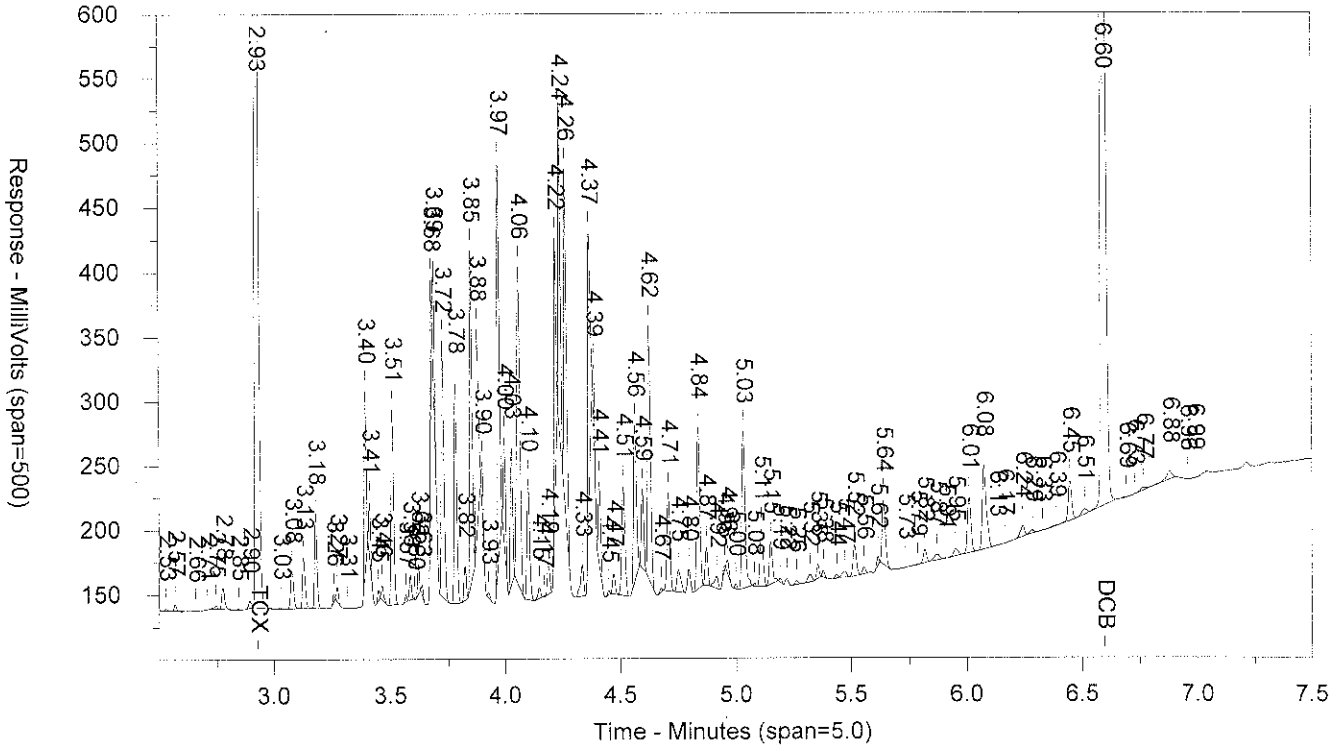

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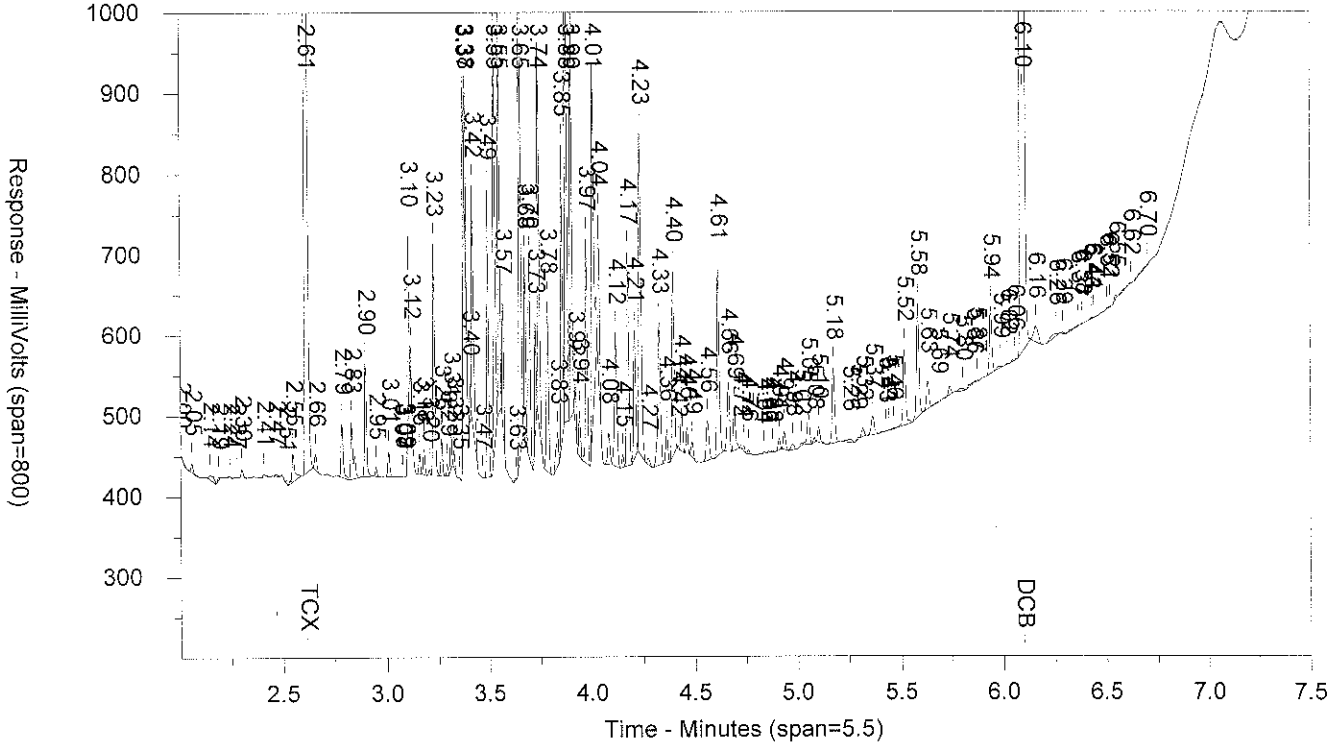

LANCASTER LABORATORIES

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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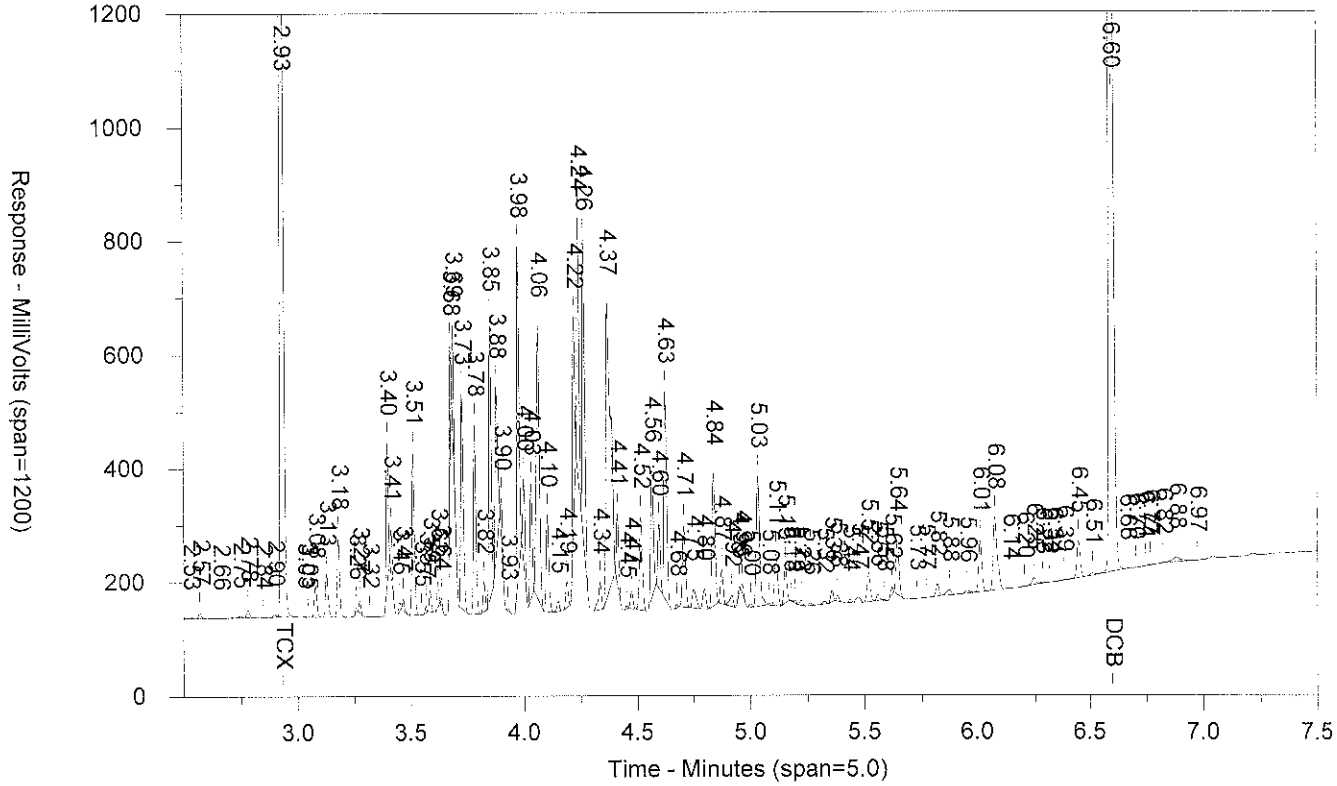

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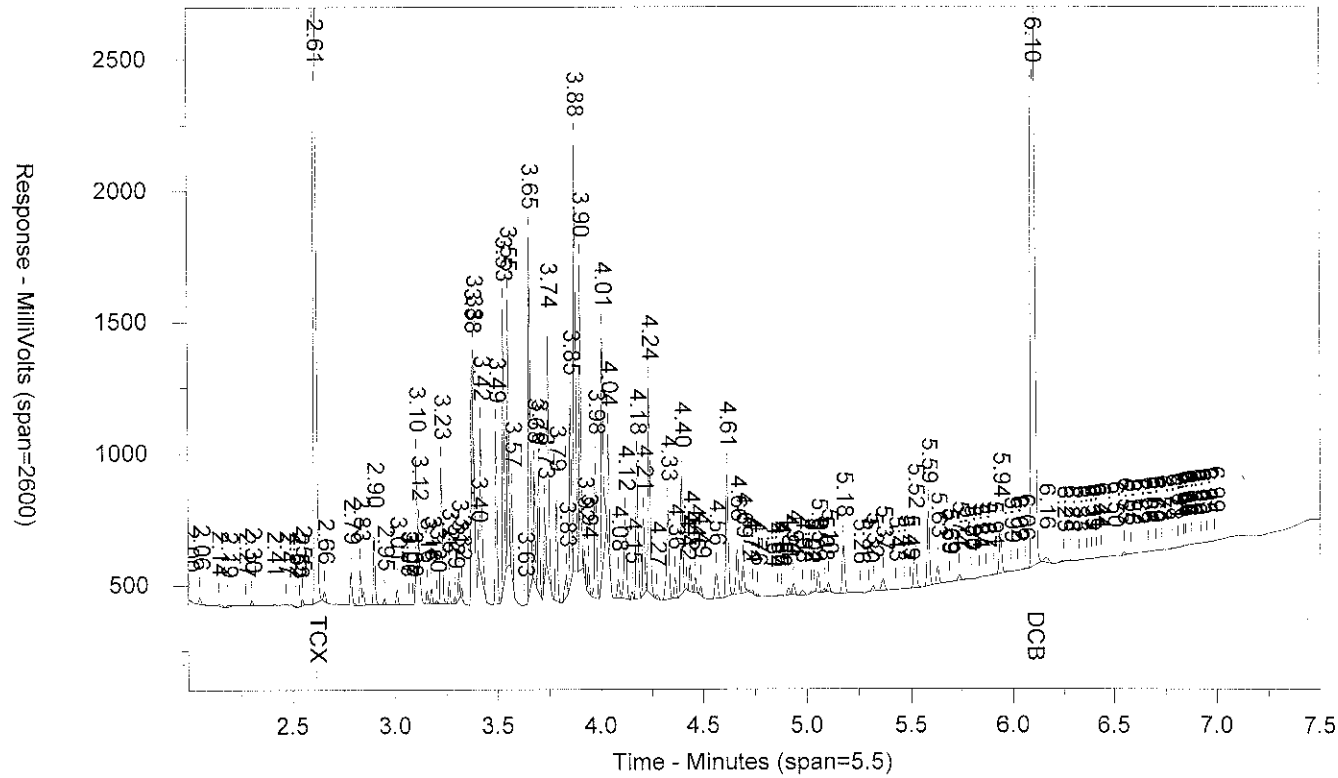

LANCASTER LABORATORIES

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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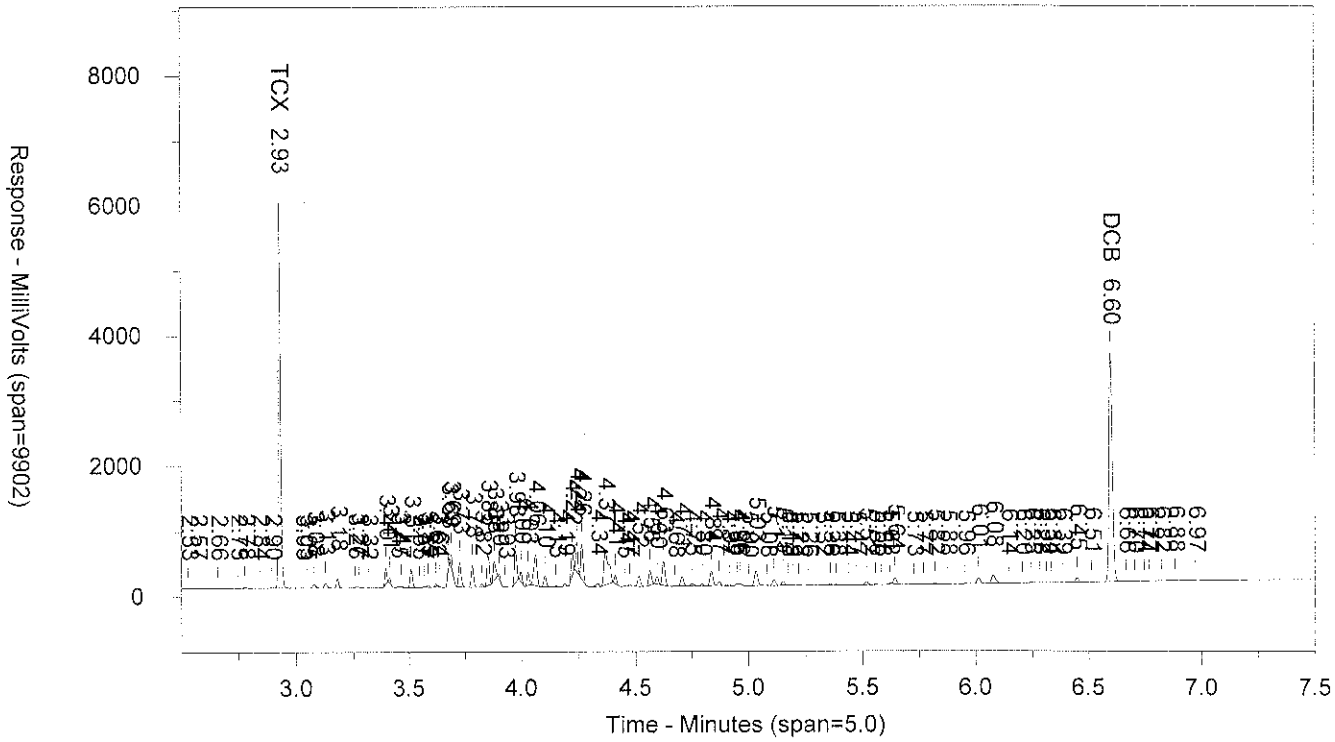

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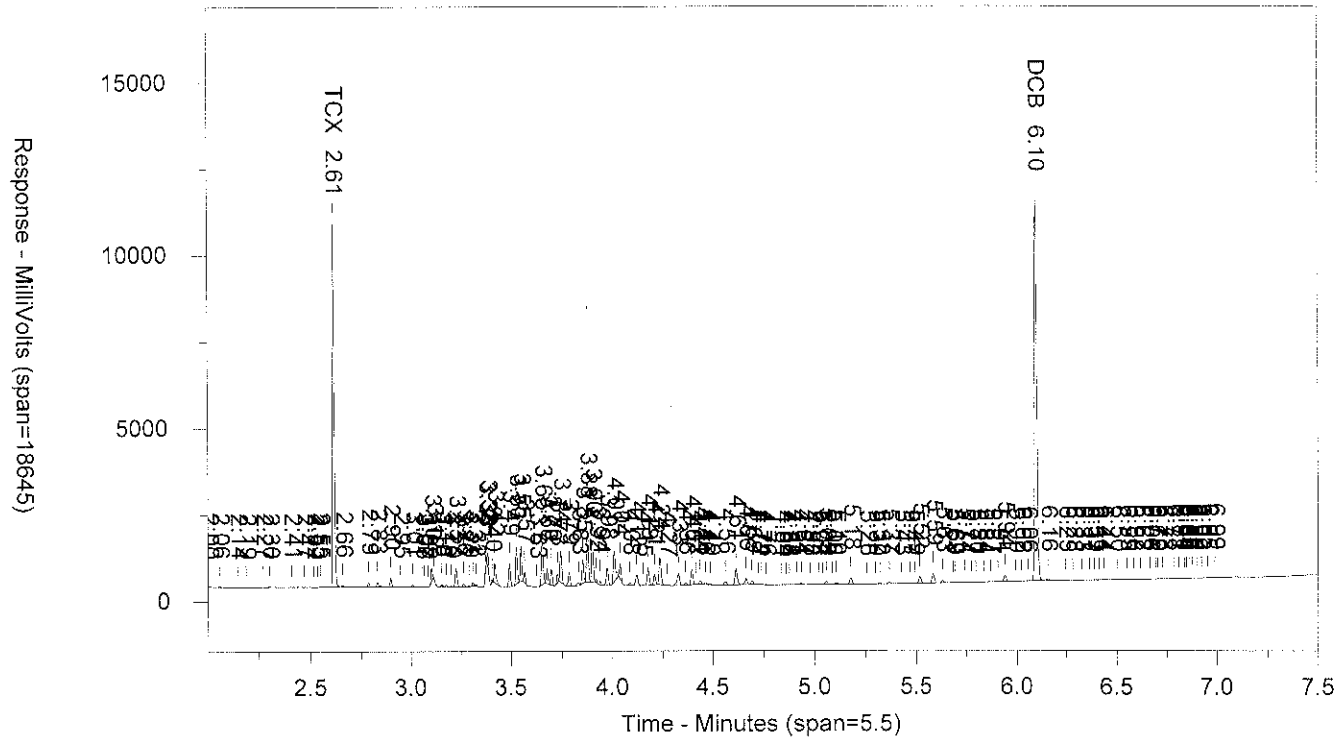

AR4841724C AAAR484AA ICAL 1728399999 10225 SW-846 8082

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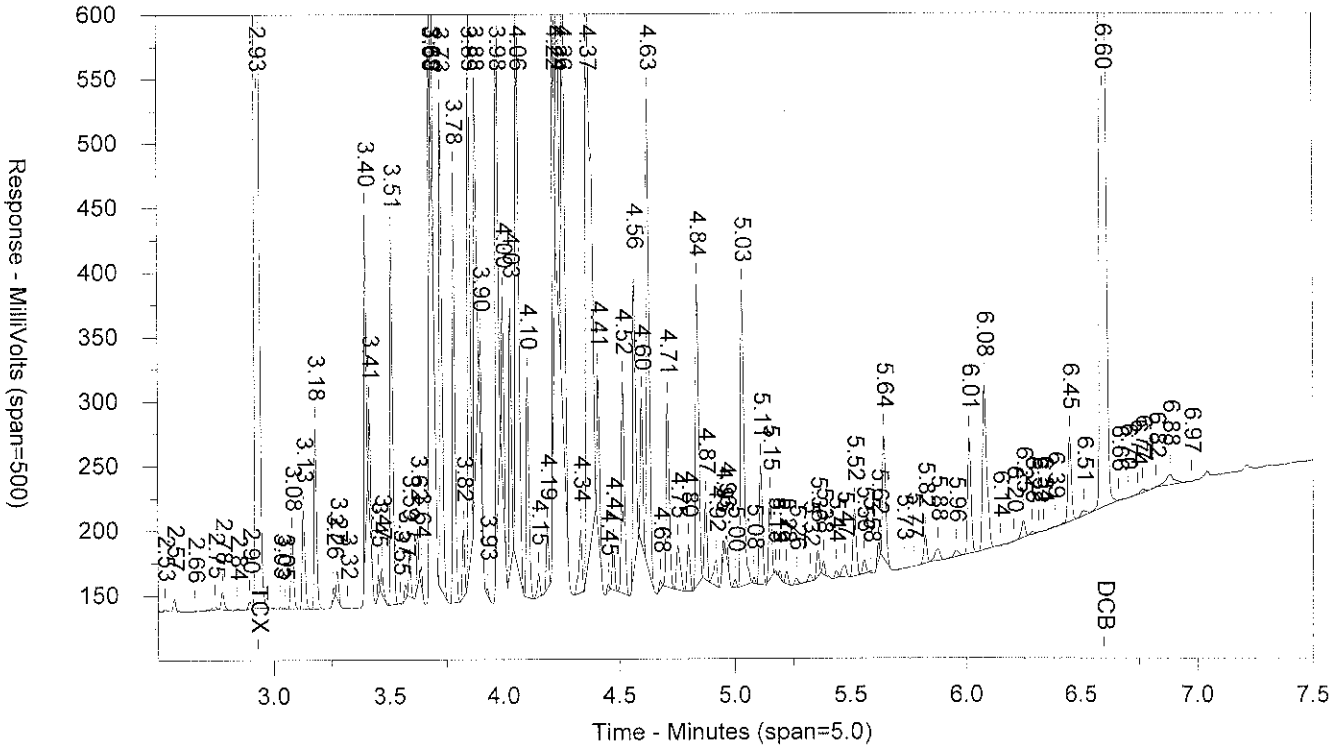

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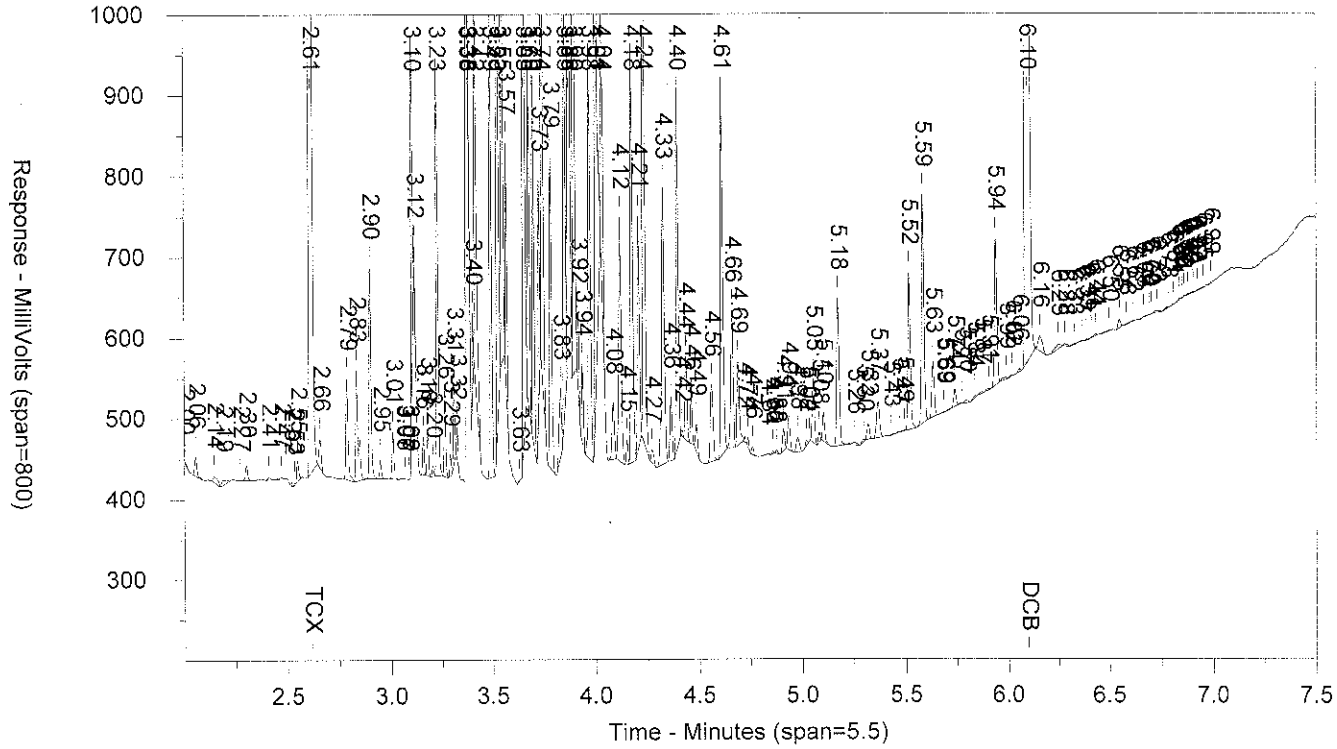

LANCASTER LABORATORIES

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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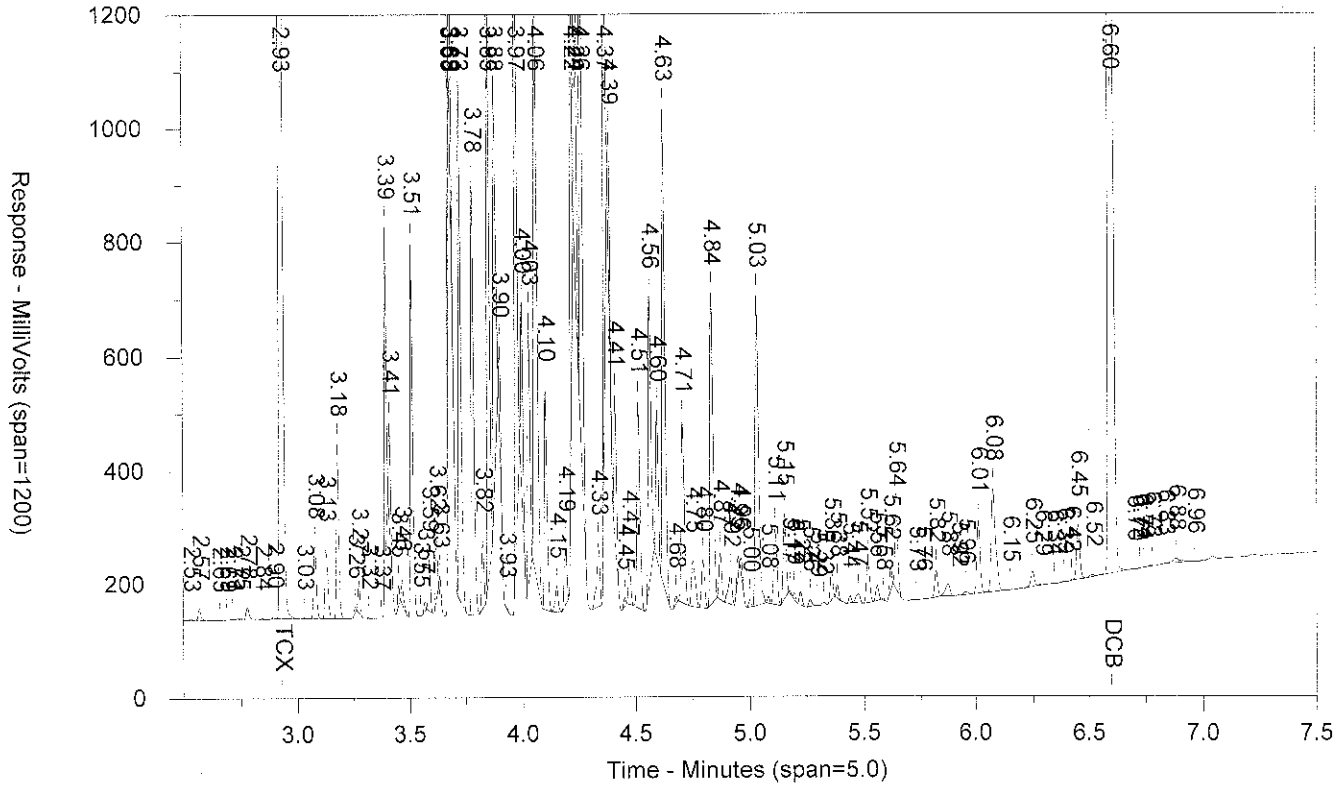

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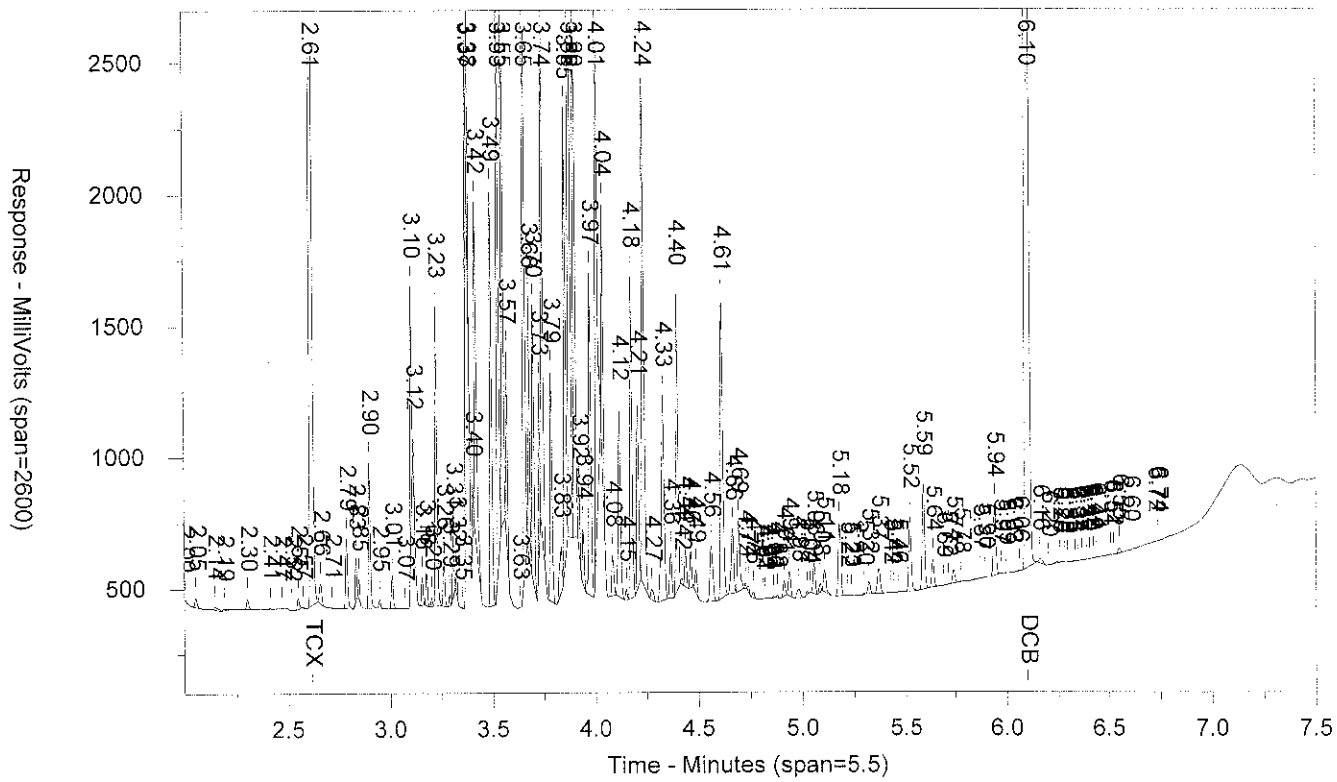

LANCASTER LABORATORIES

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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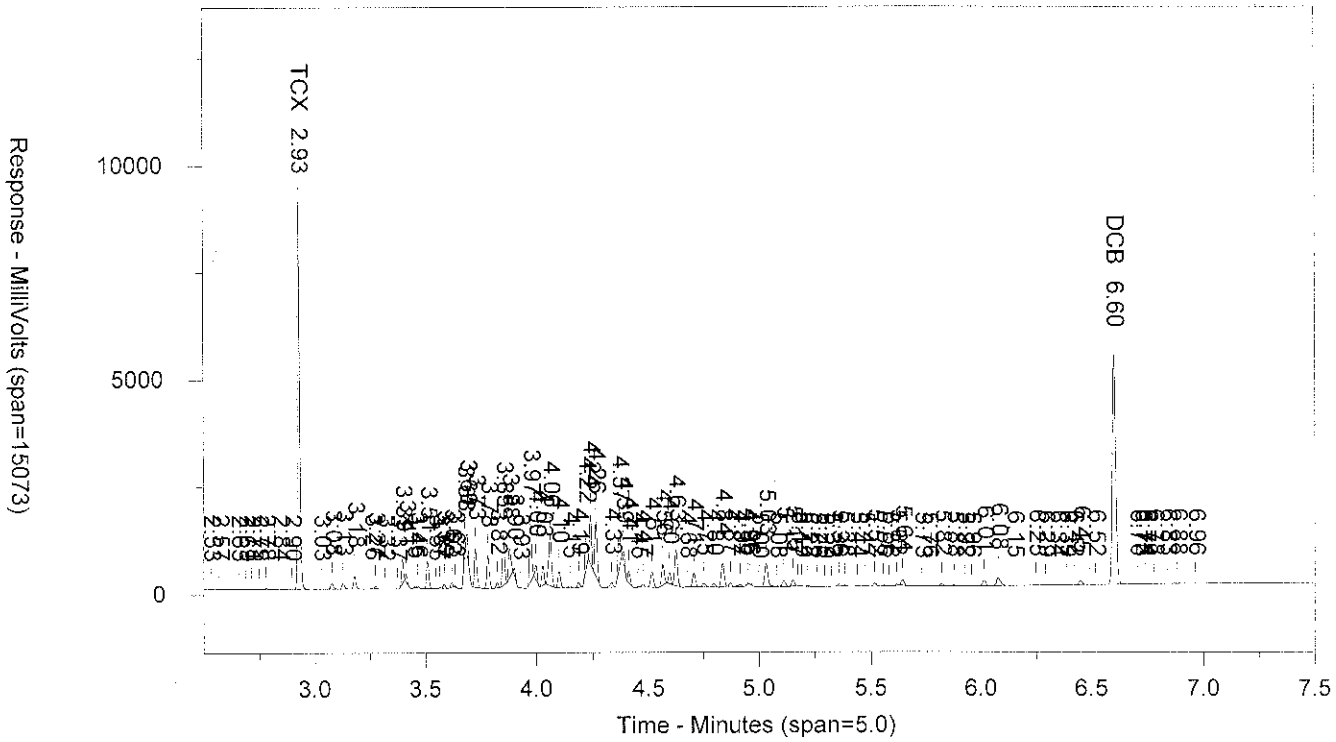

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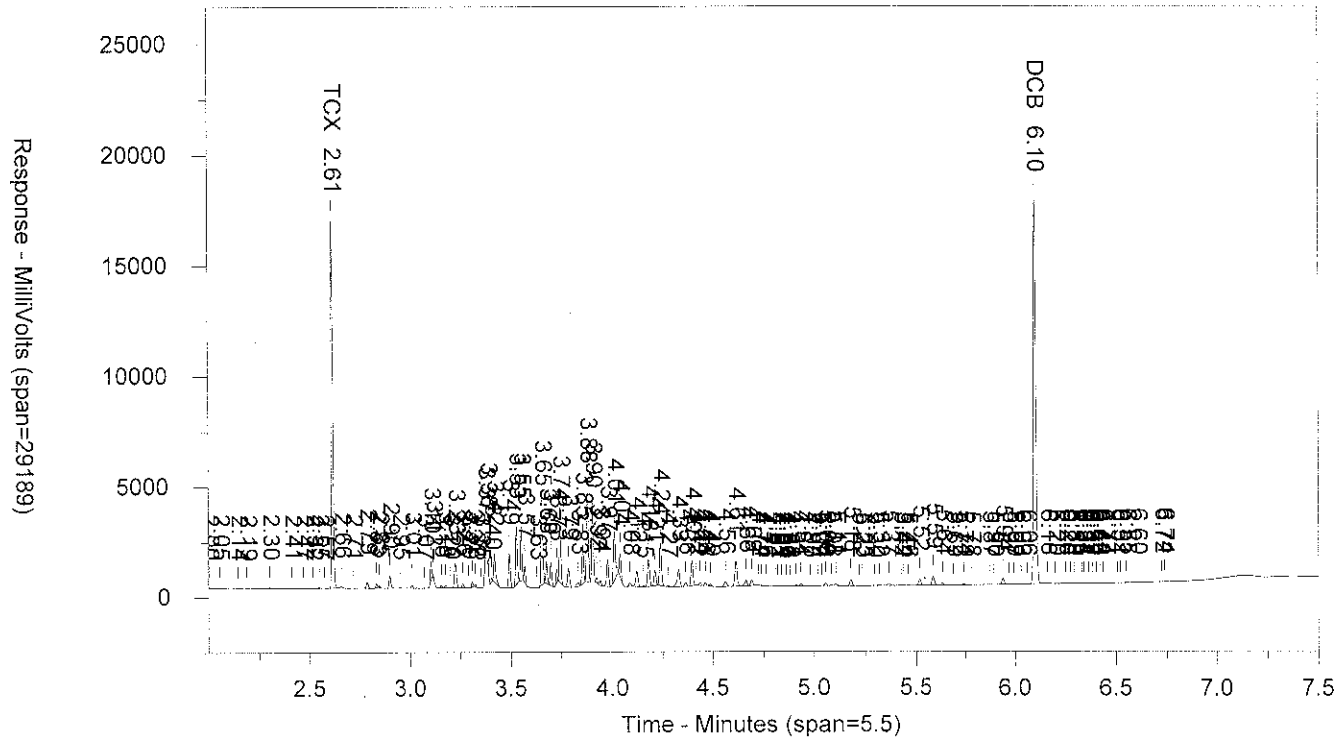

AR4851724C AAAR485AA ICAL 1728399999 10225 SW-846 8082

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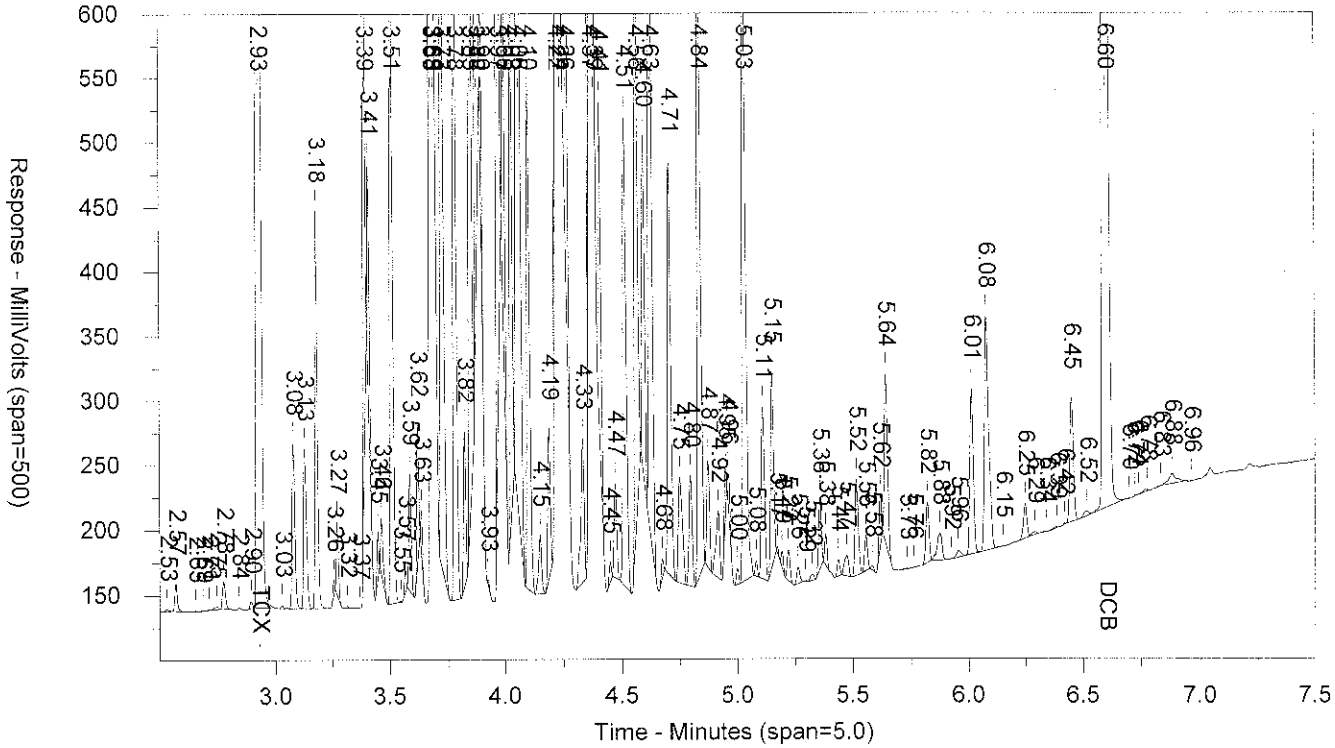

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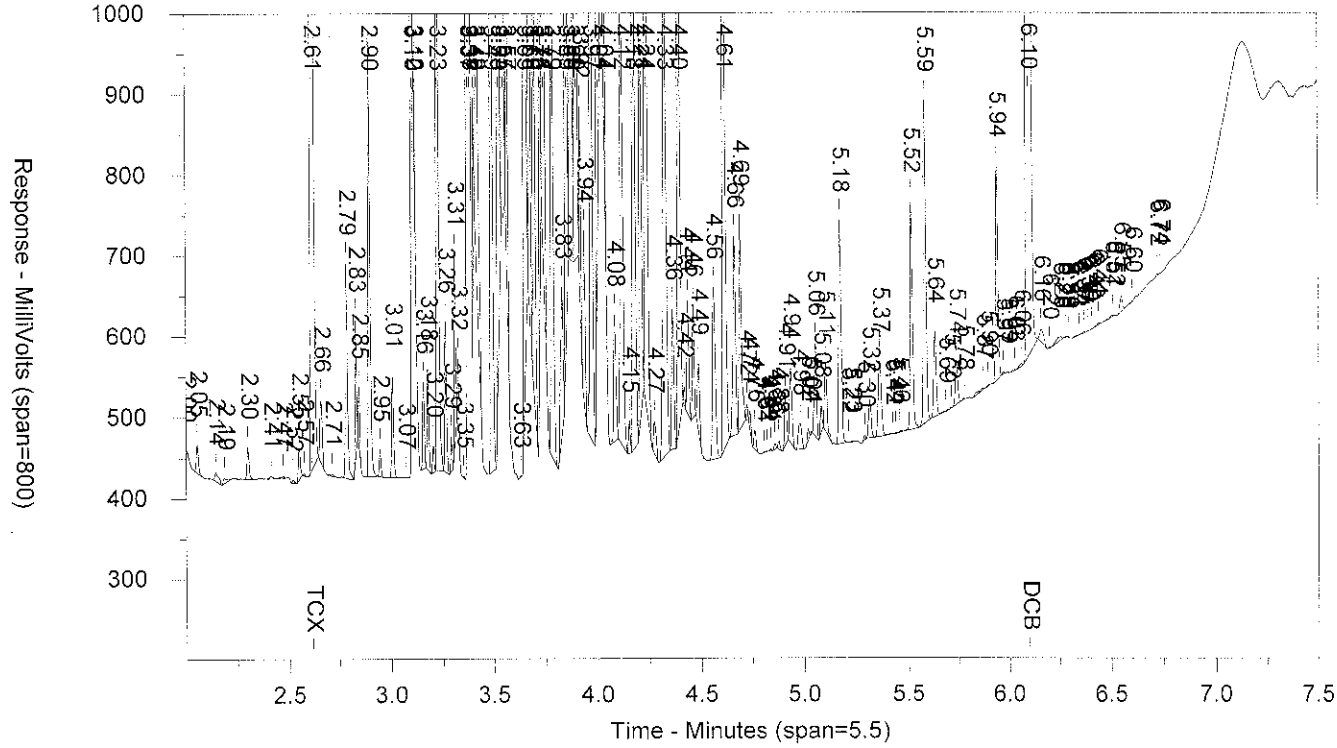

LANCASTER LABORATORIES

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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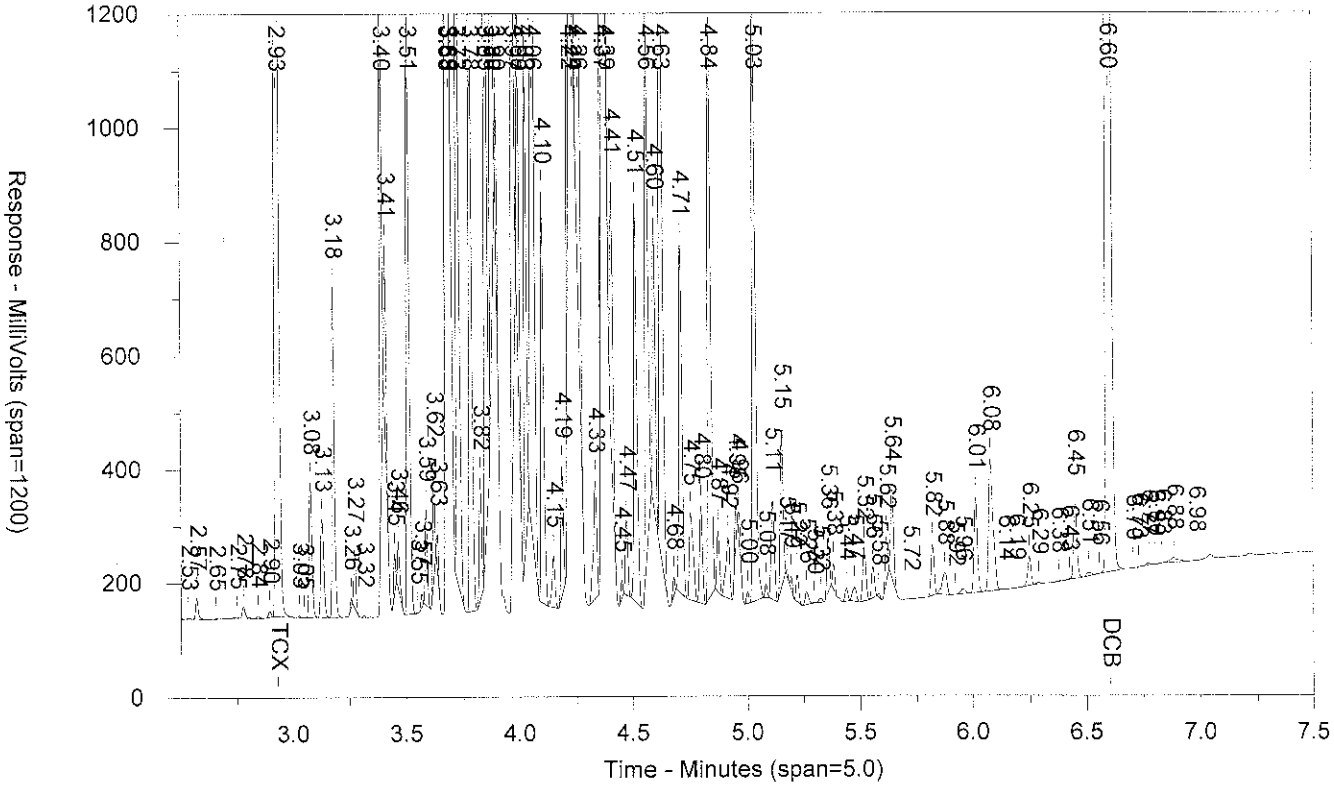

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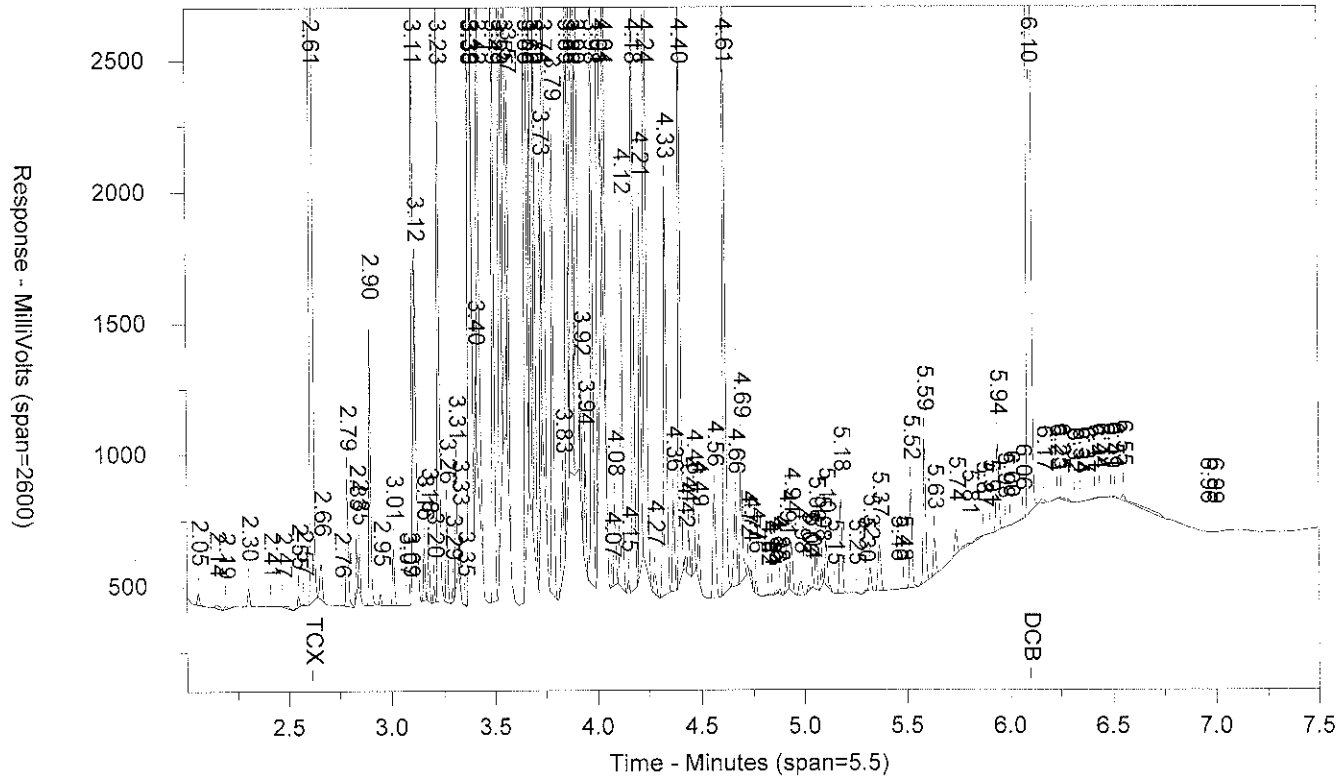

LANCASTER LABORATORIES

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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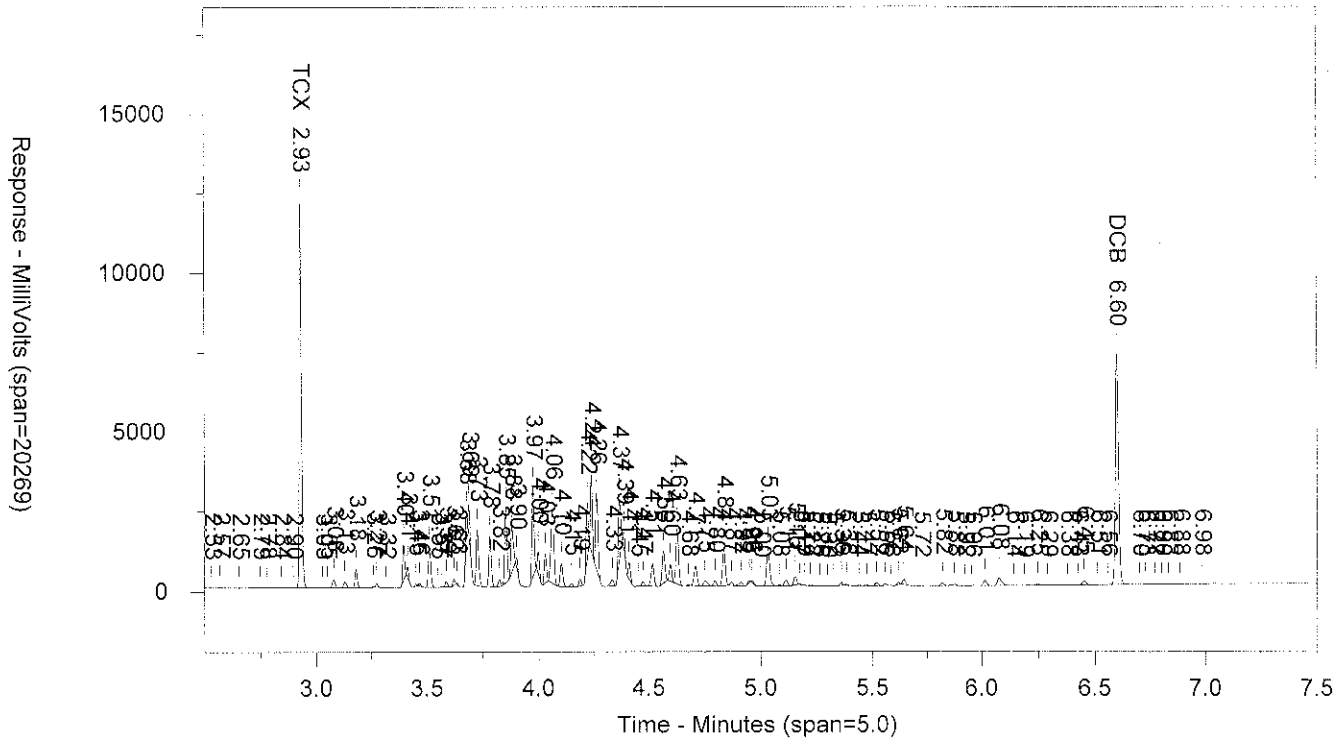

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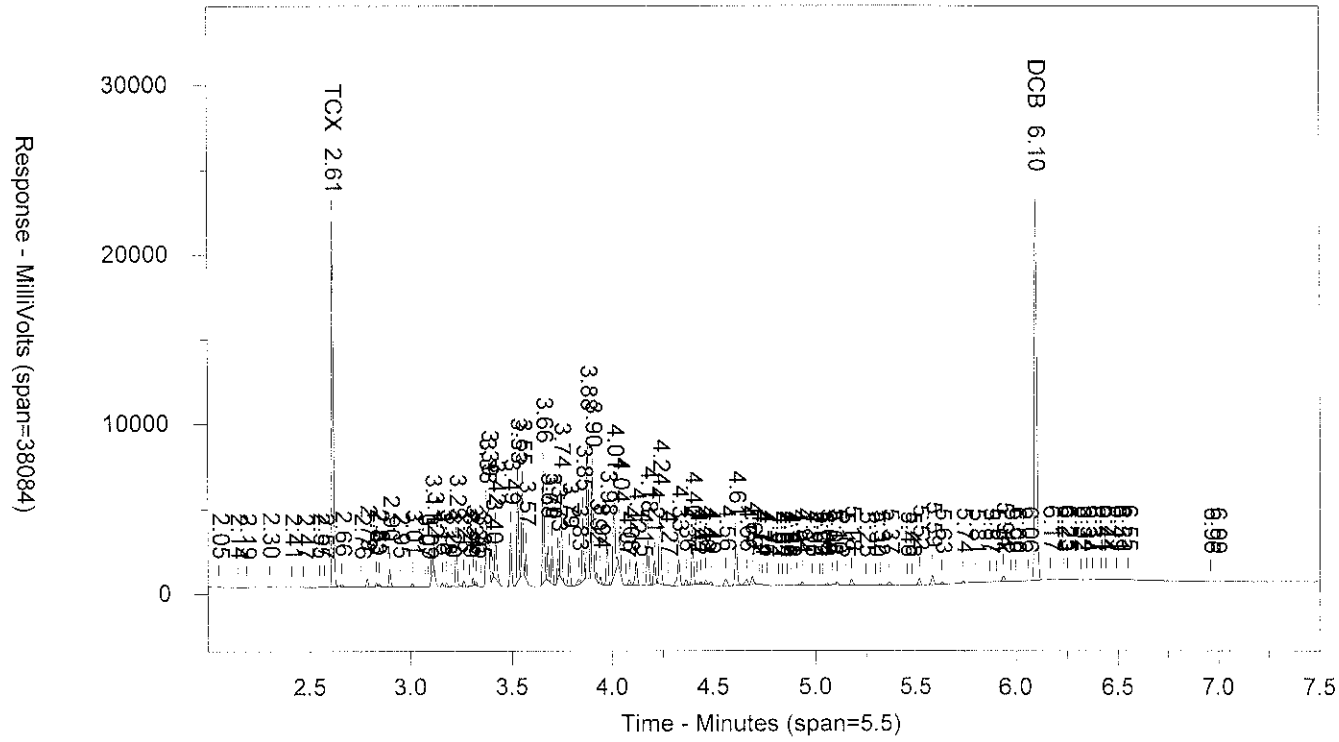

AR4861724B AAAR486AA ICAL 1728399999 10225 SW-846 8082

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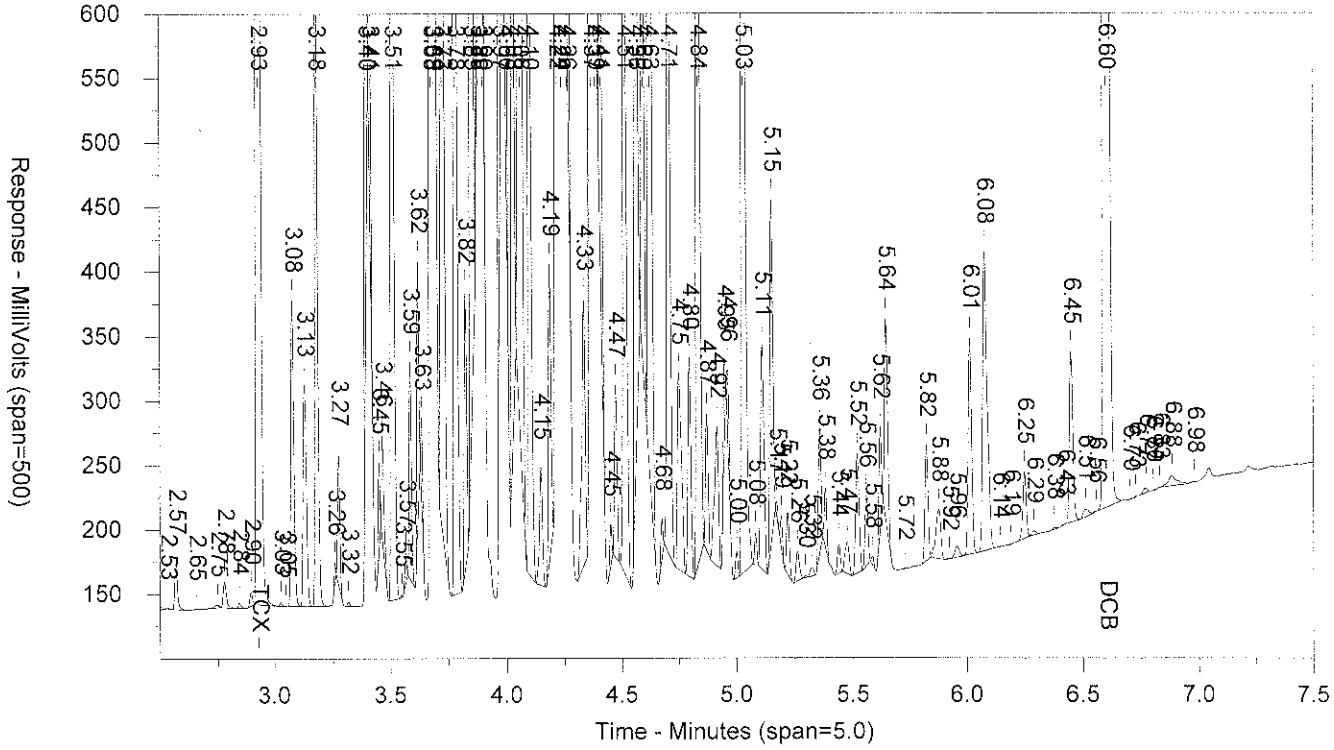

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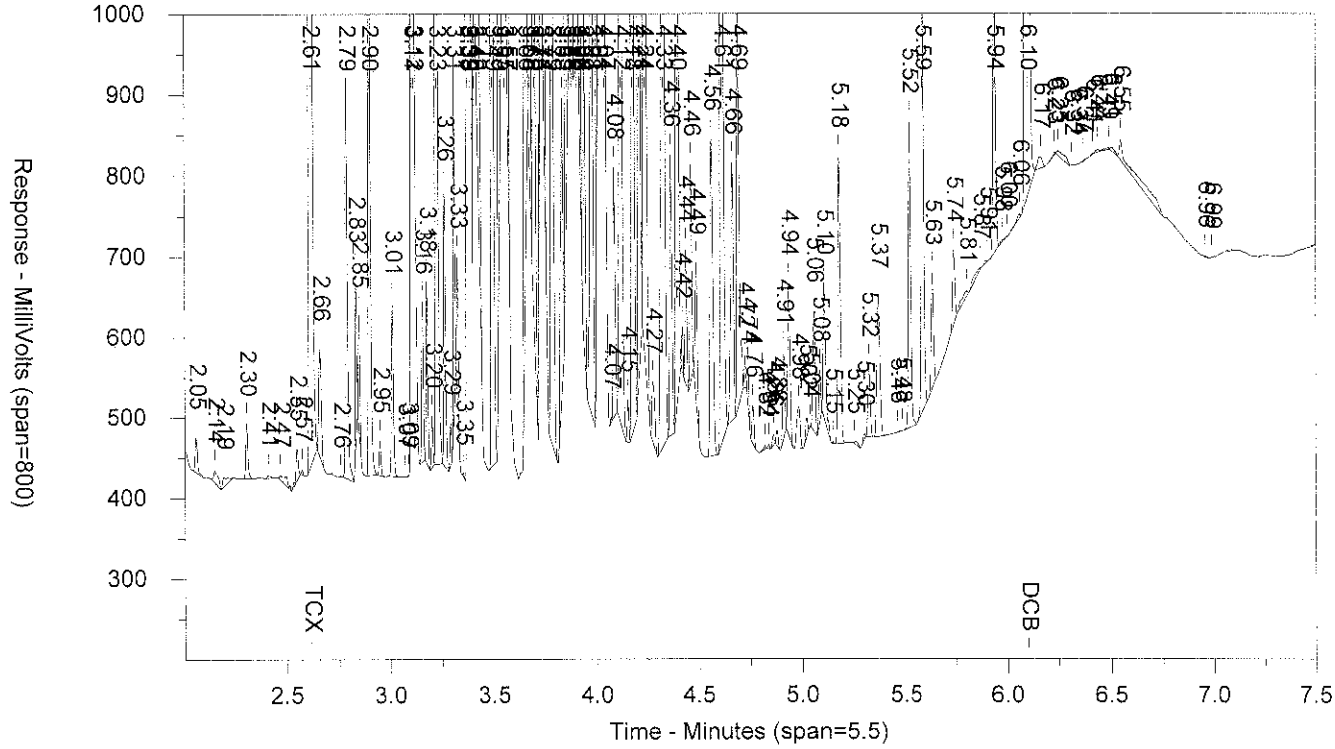

LANCASTER LABORATORIES

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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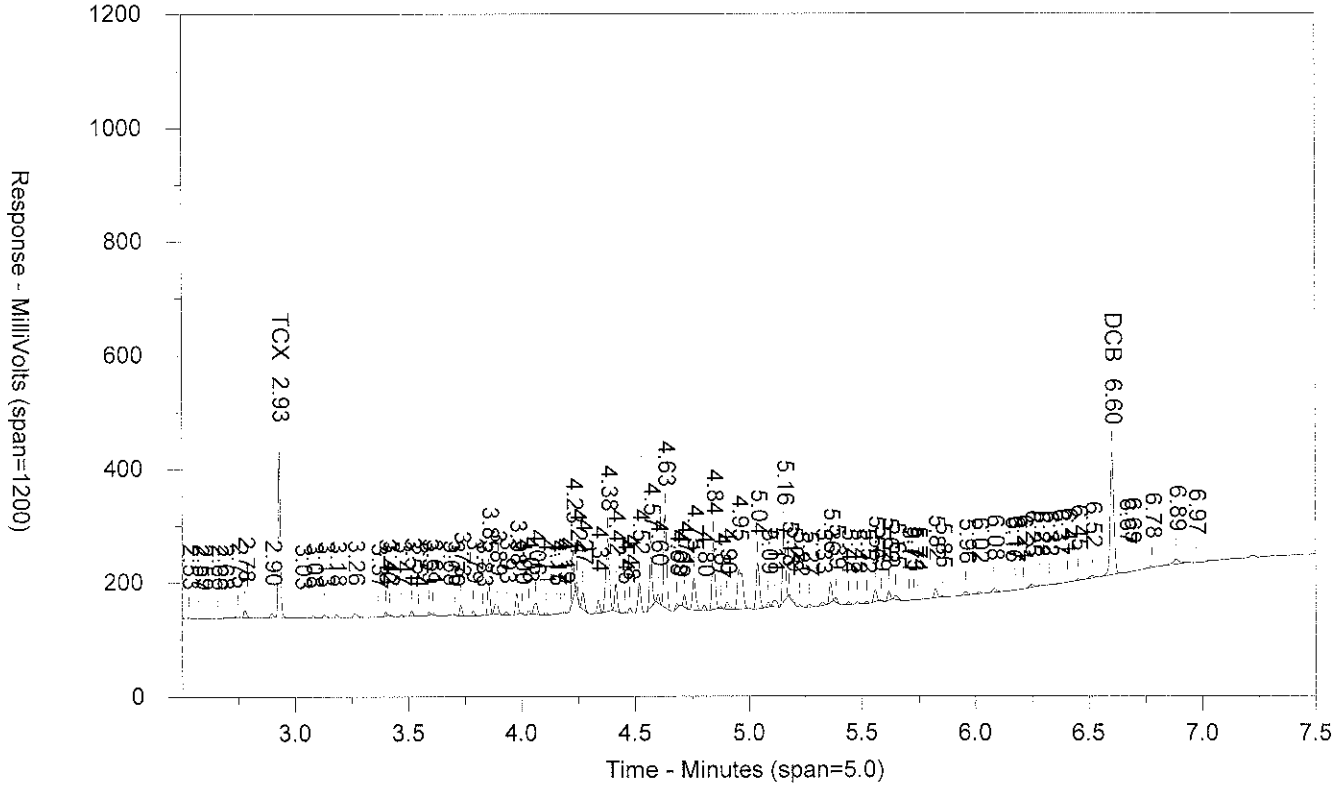

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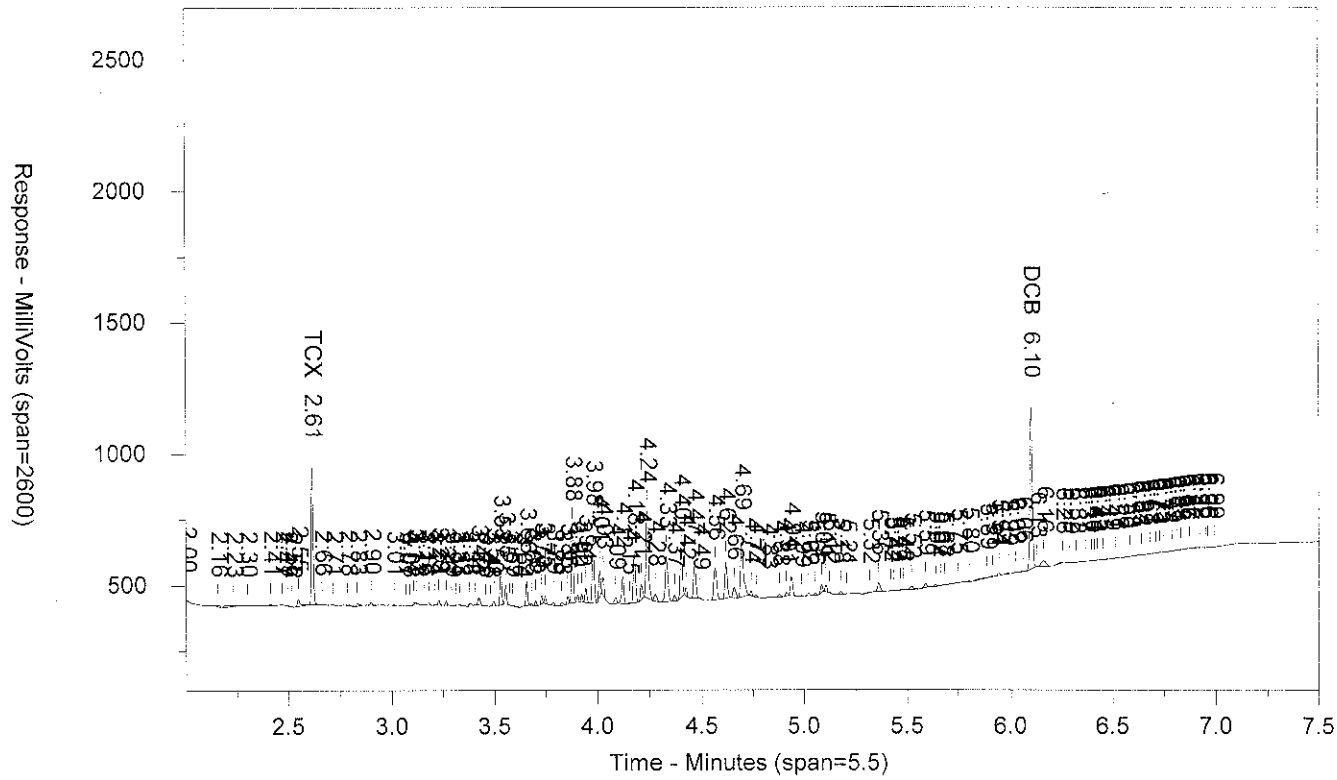

LANCASTER LABORATORIES

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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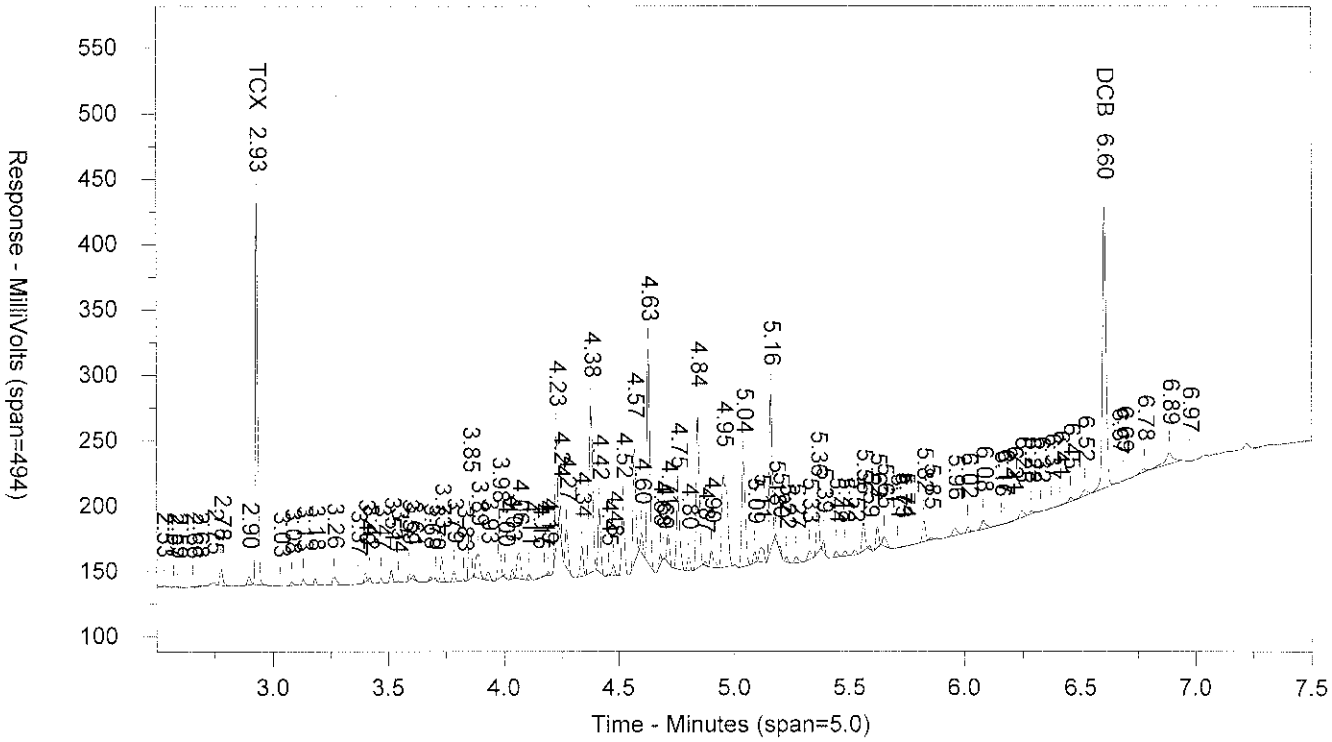

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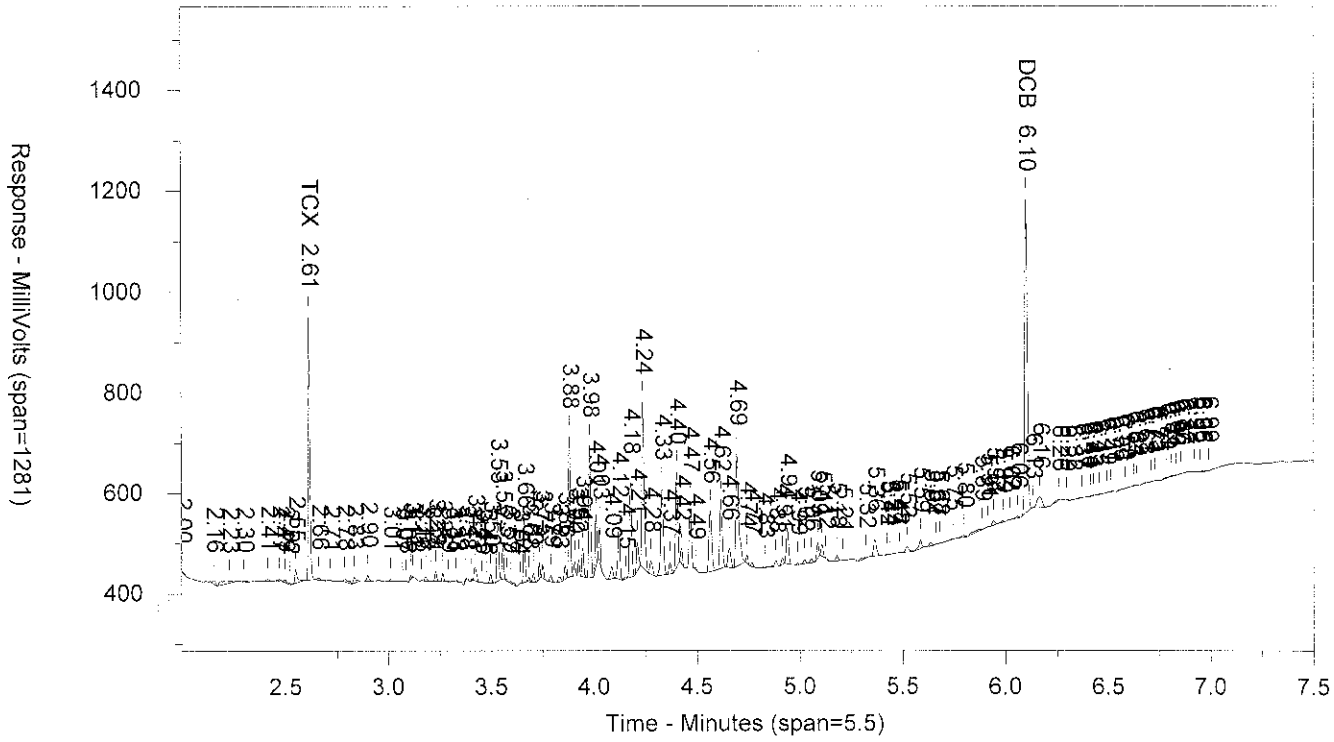

AR5411724C AAAR541AA ICAL 1728399999 10225 SW-846 8082

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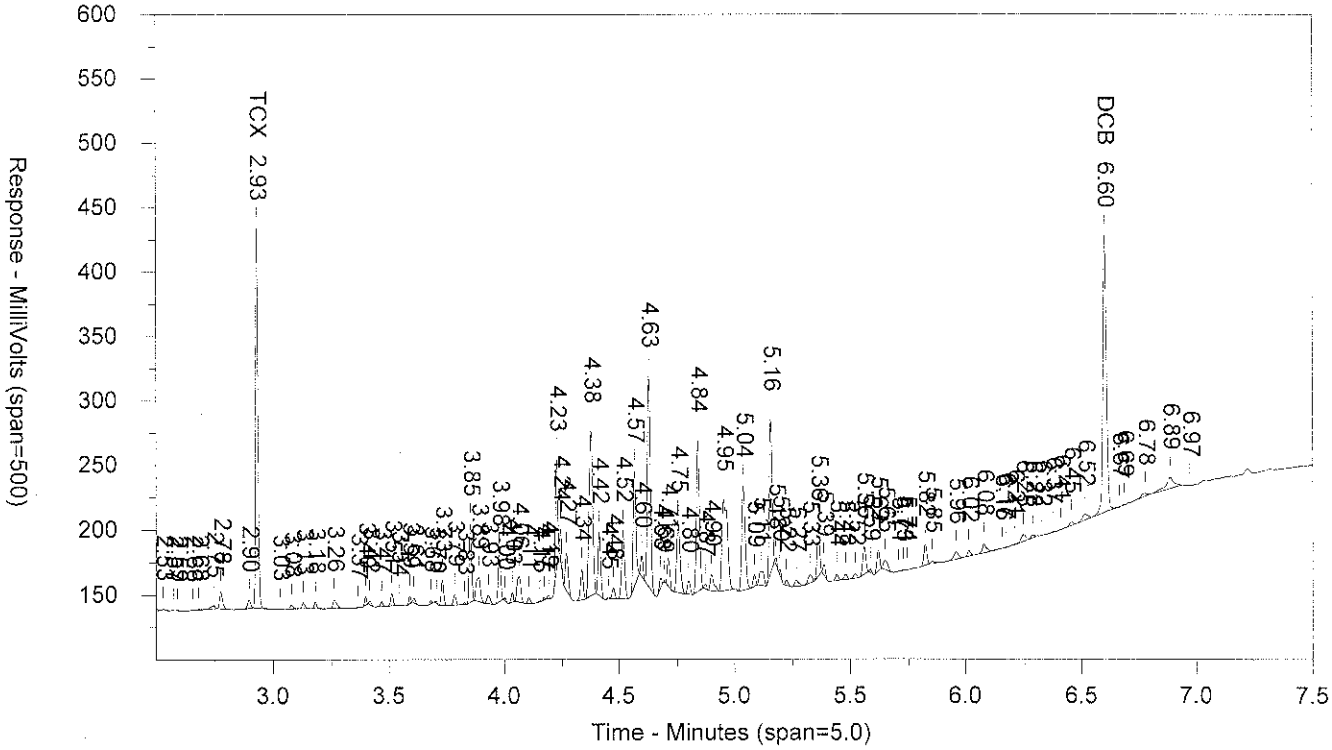

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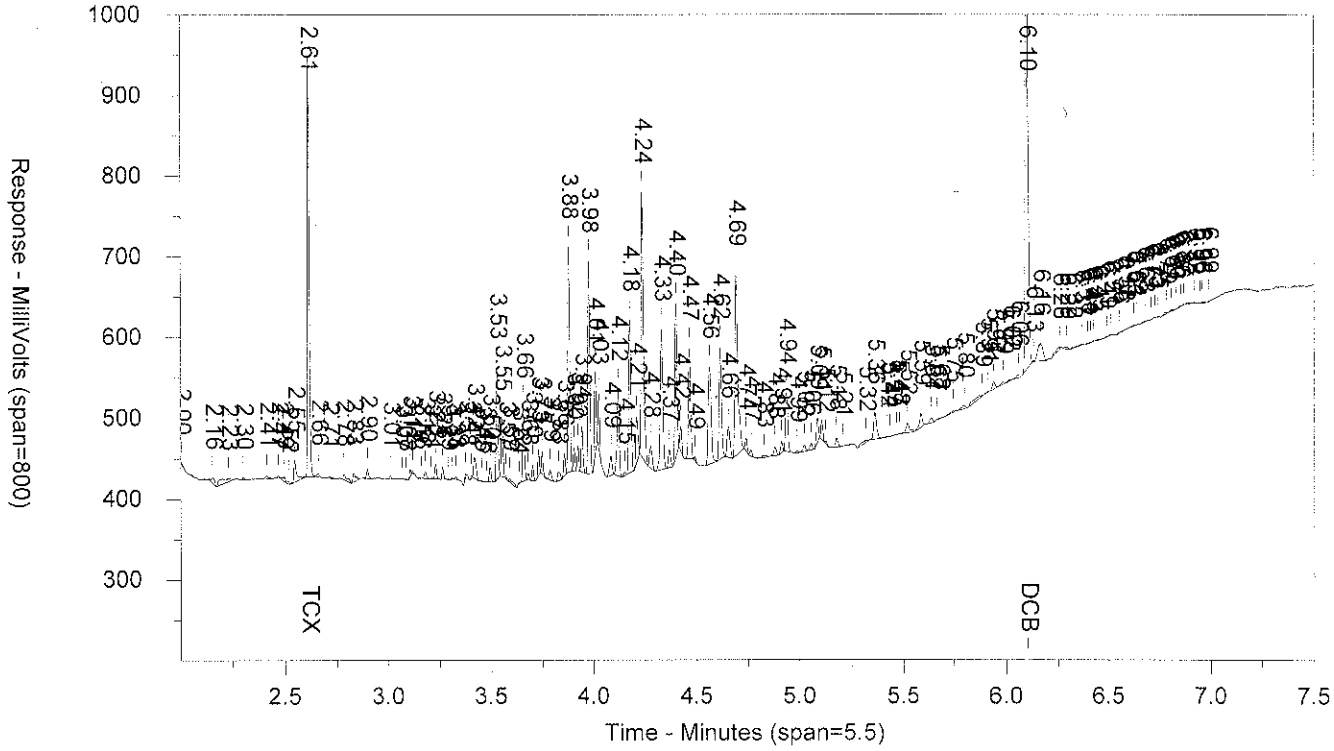

LANCASTER LABORATORIES

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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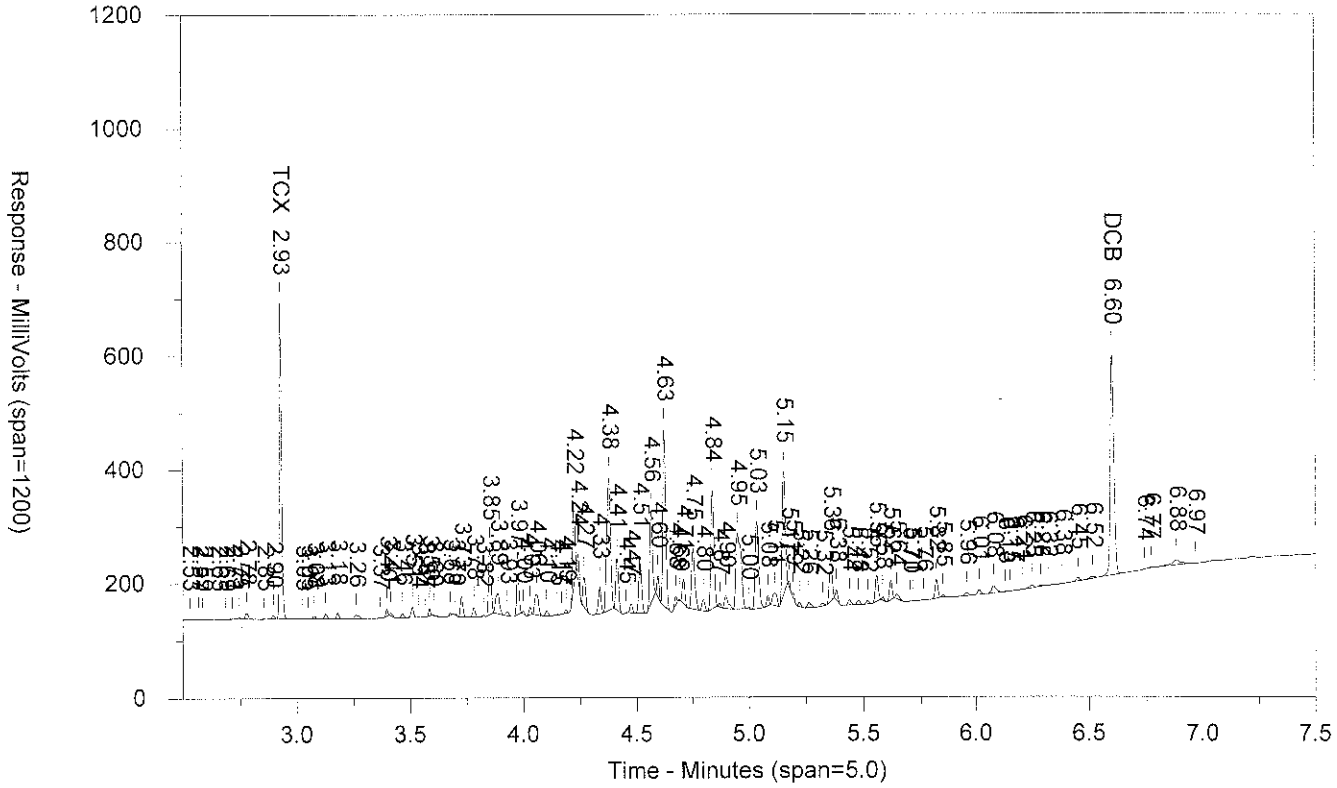

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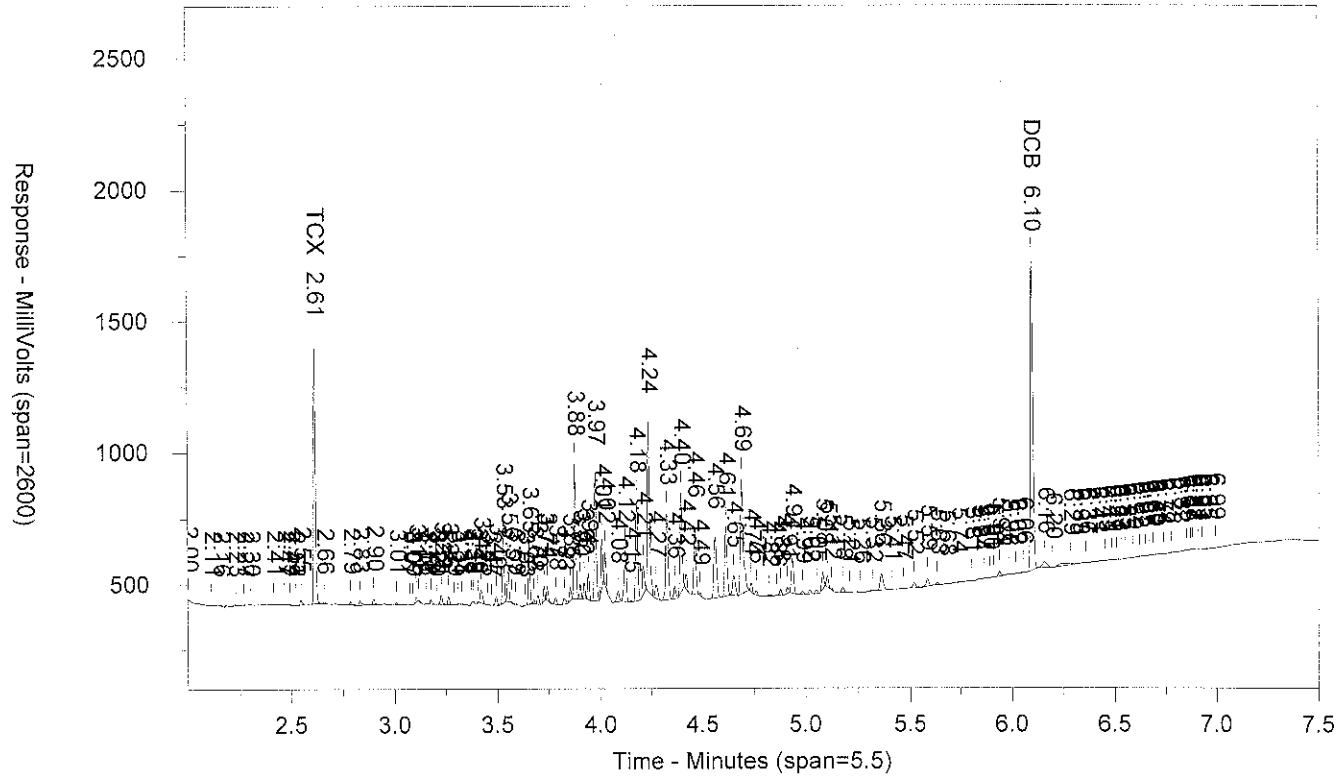

LANCASTER LABORATORIES

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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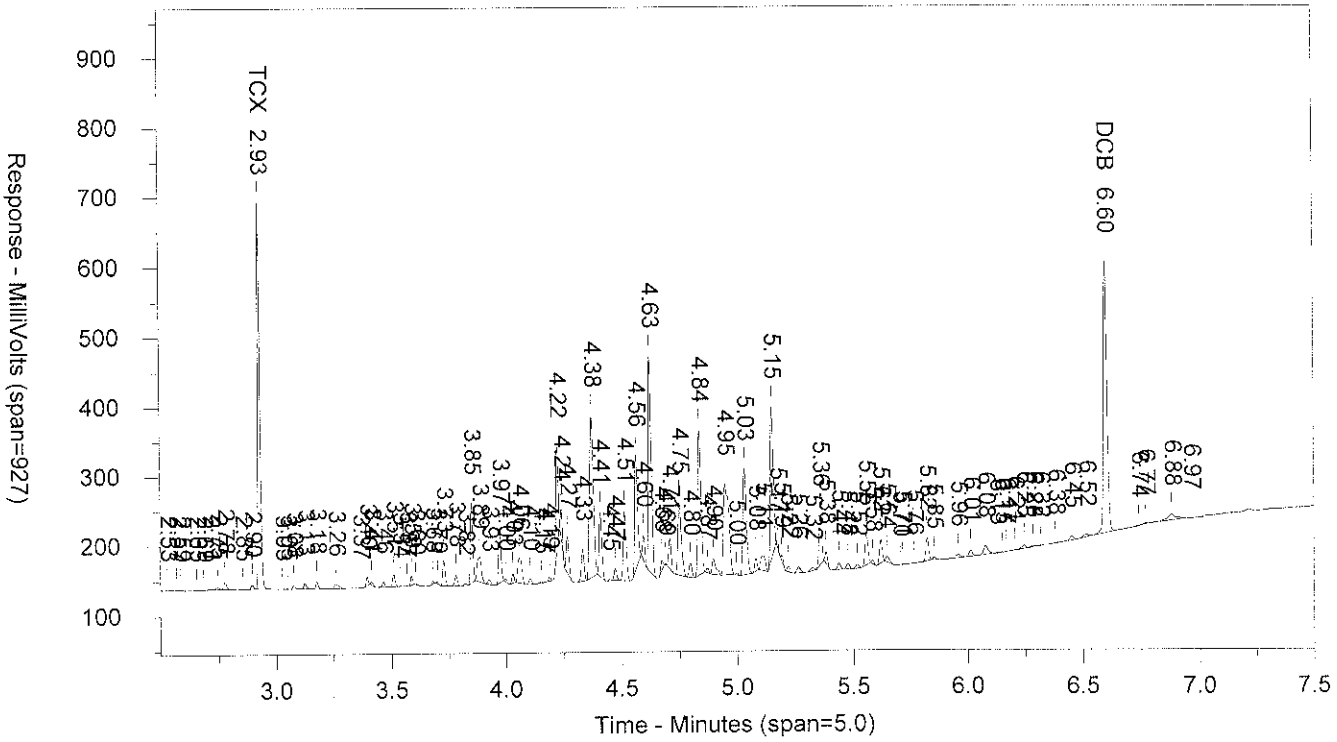

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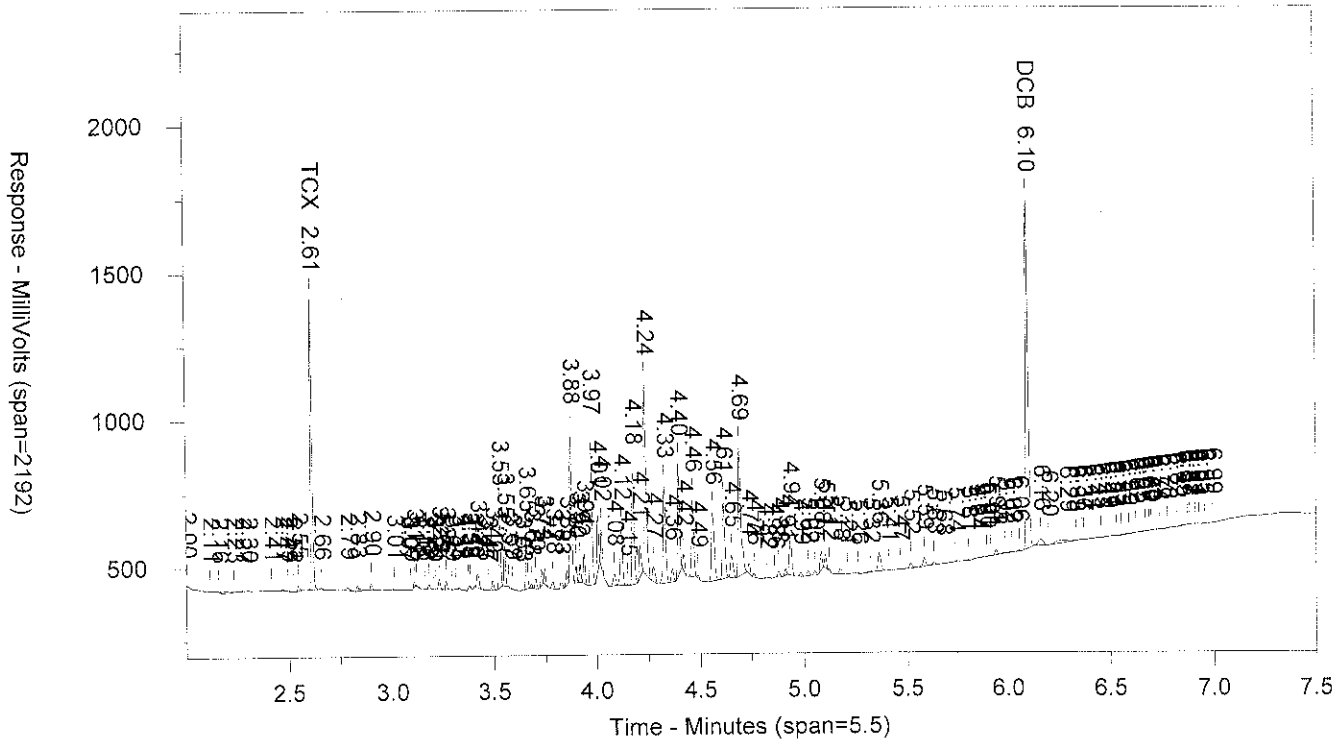

AR5421724C AAAR542AA ICAL 1728399999 10225 SW-846 8082

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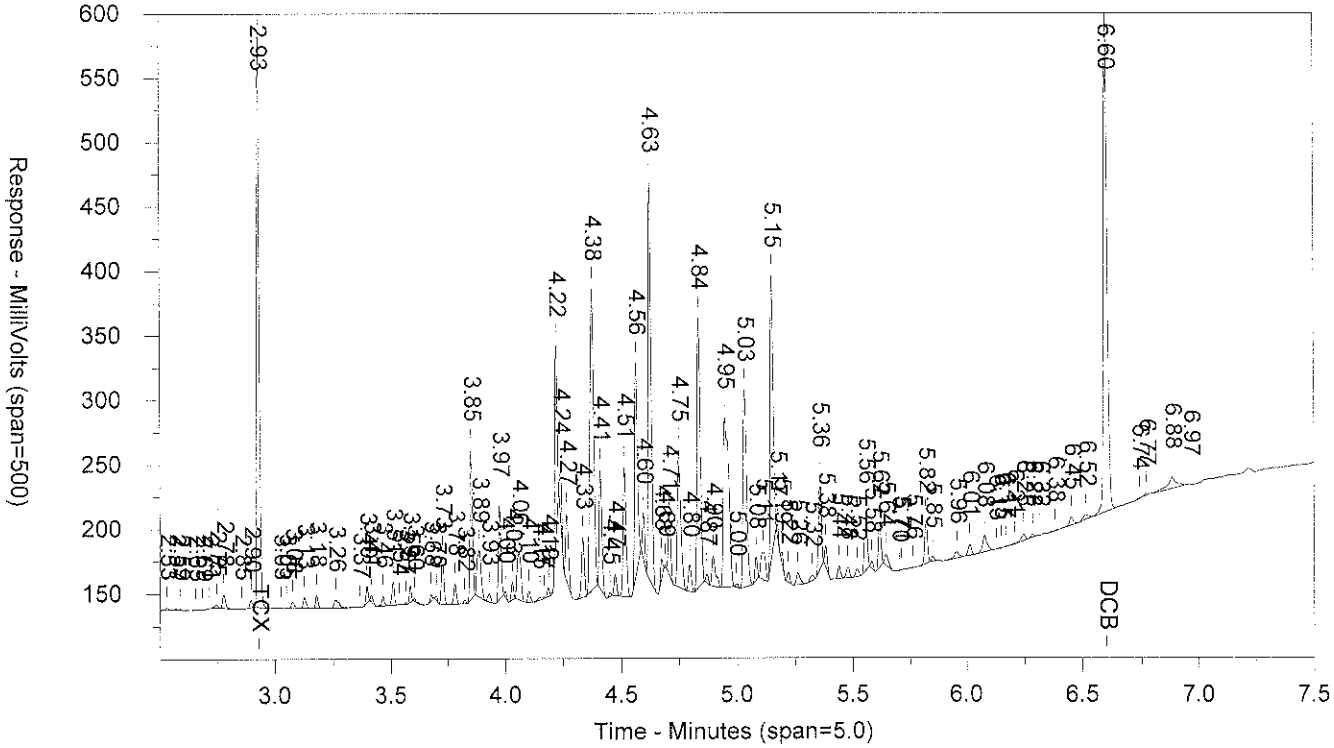

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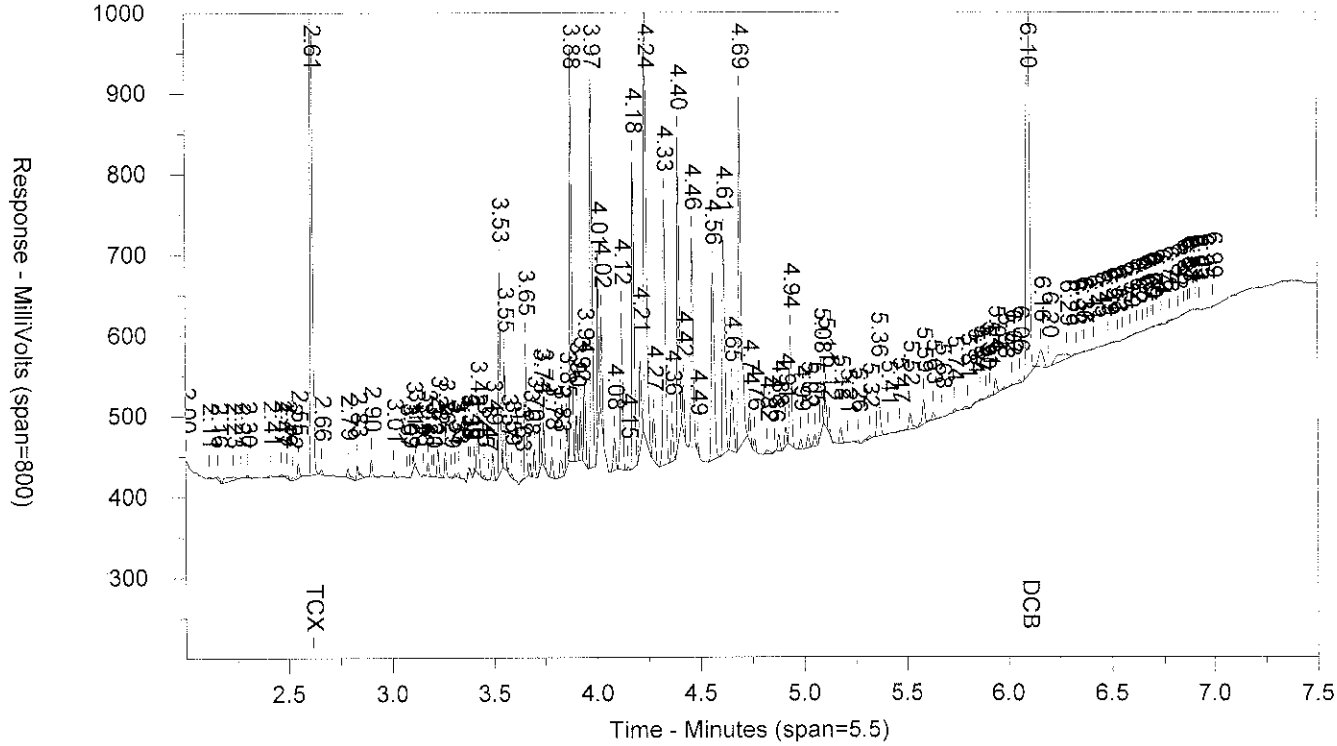

LANCASTER LABORATORIES

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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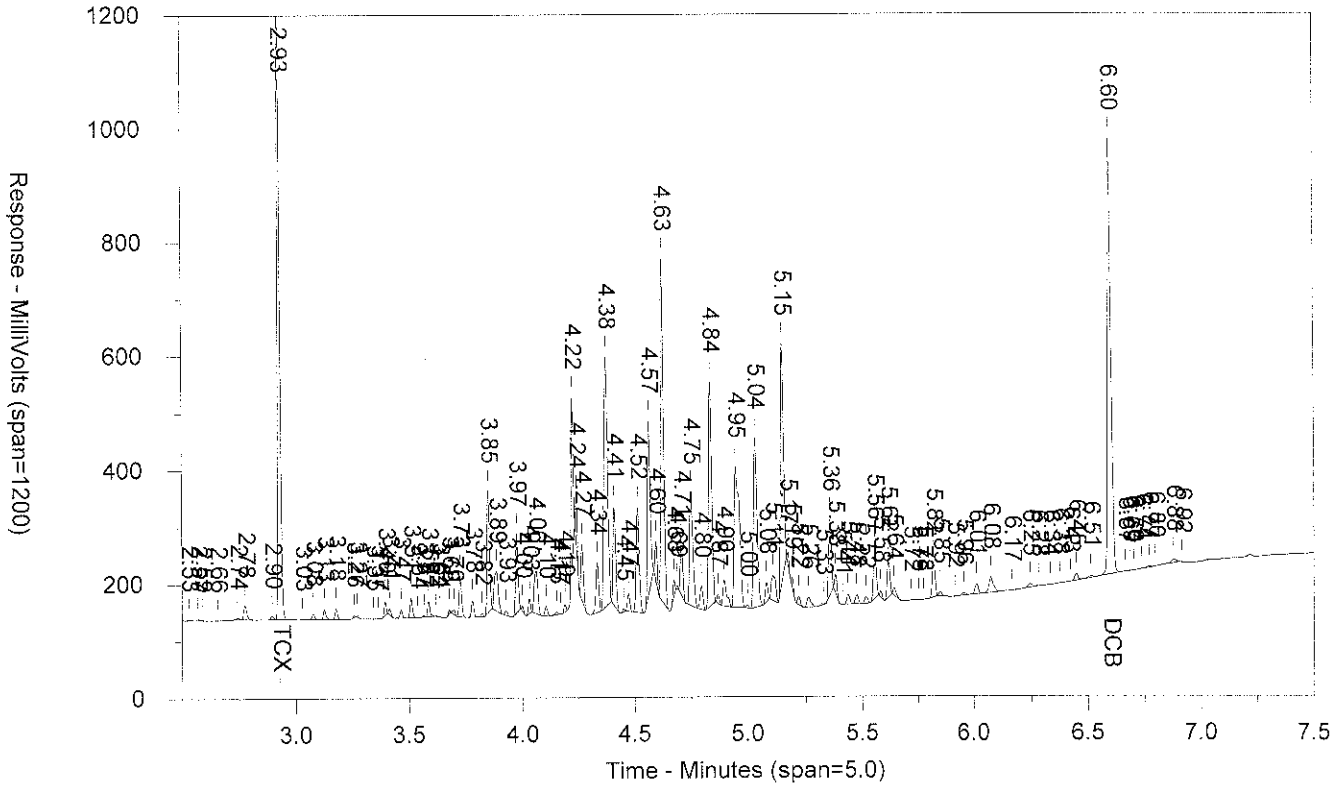

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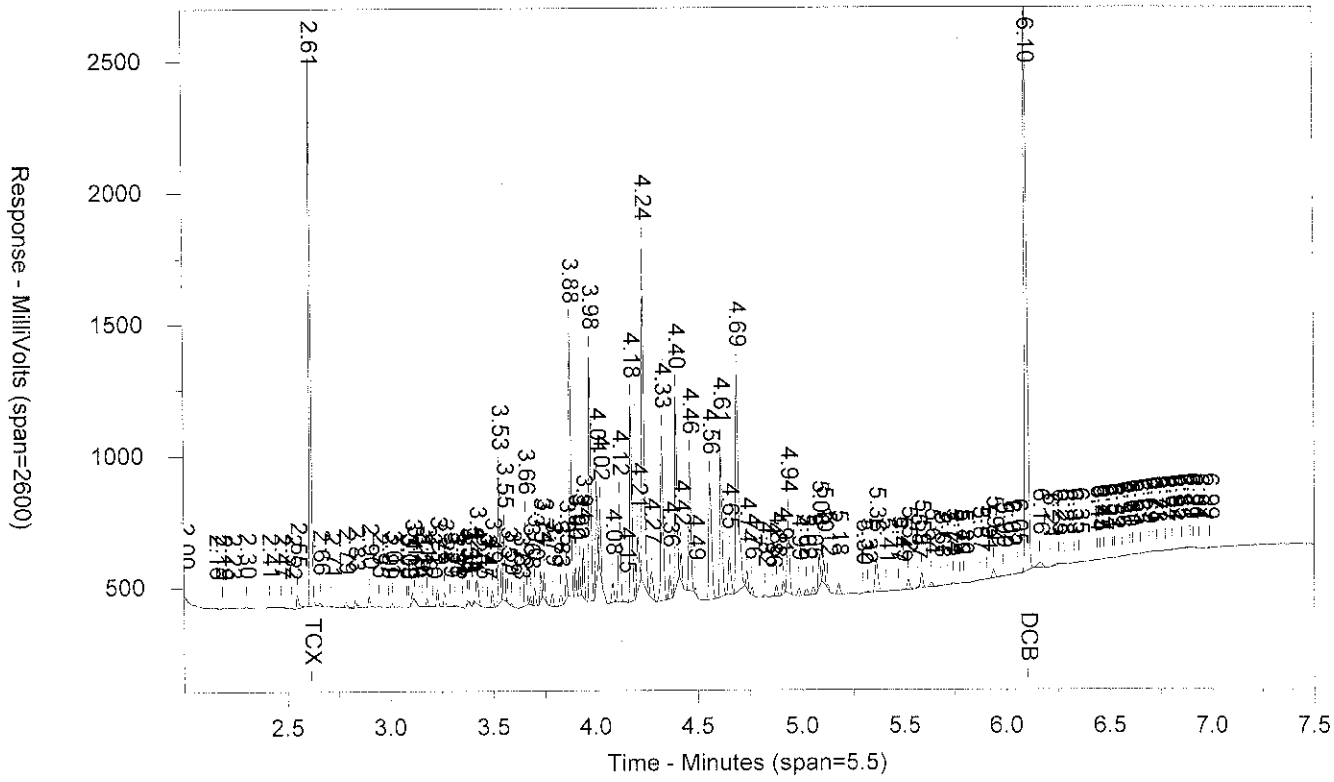

LANCASTER LABORATORIES

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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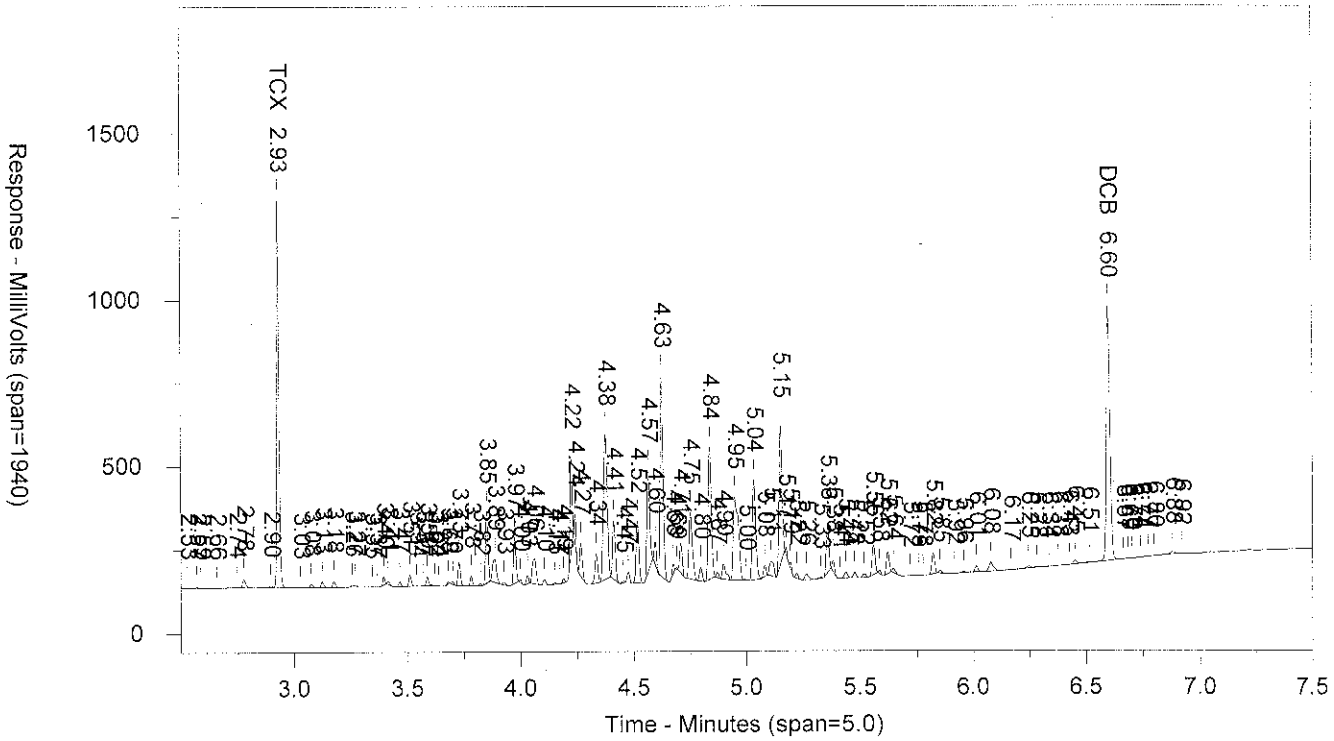

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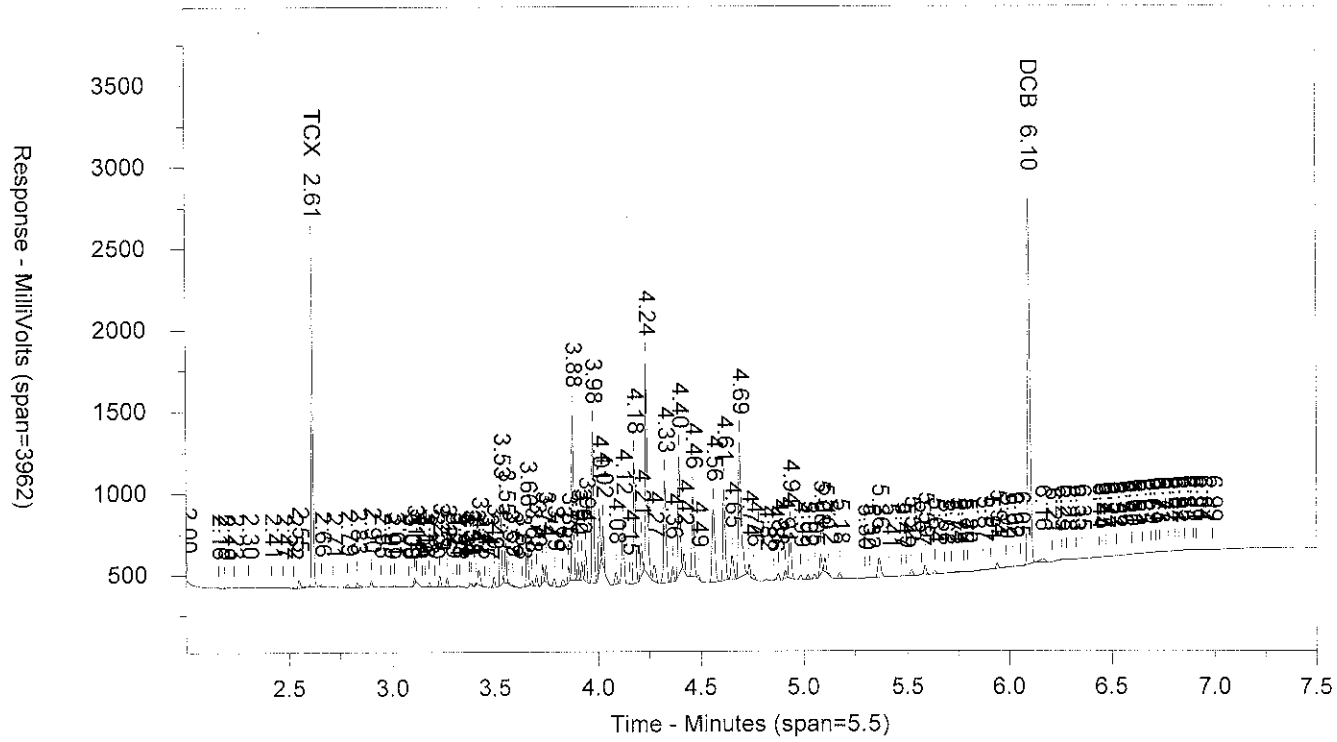

AR5431724C AAAR543AA ICAL 1728399999 10225 SW-846 8082

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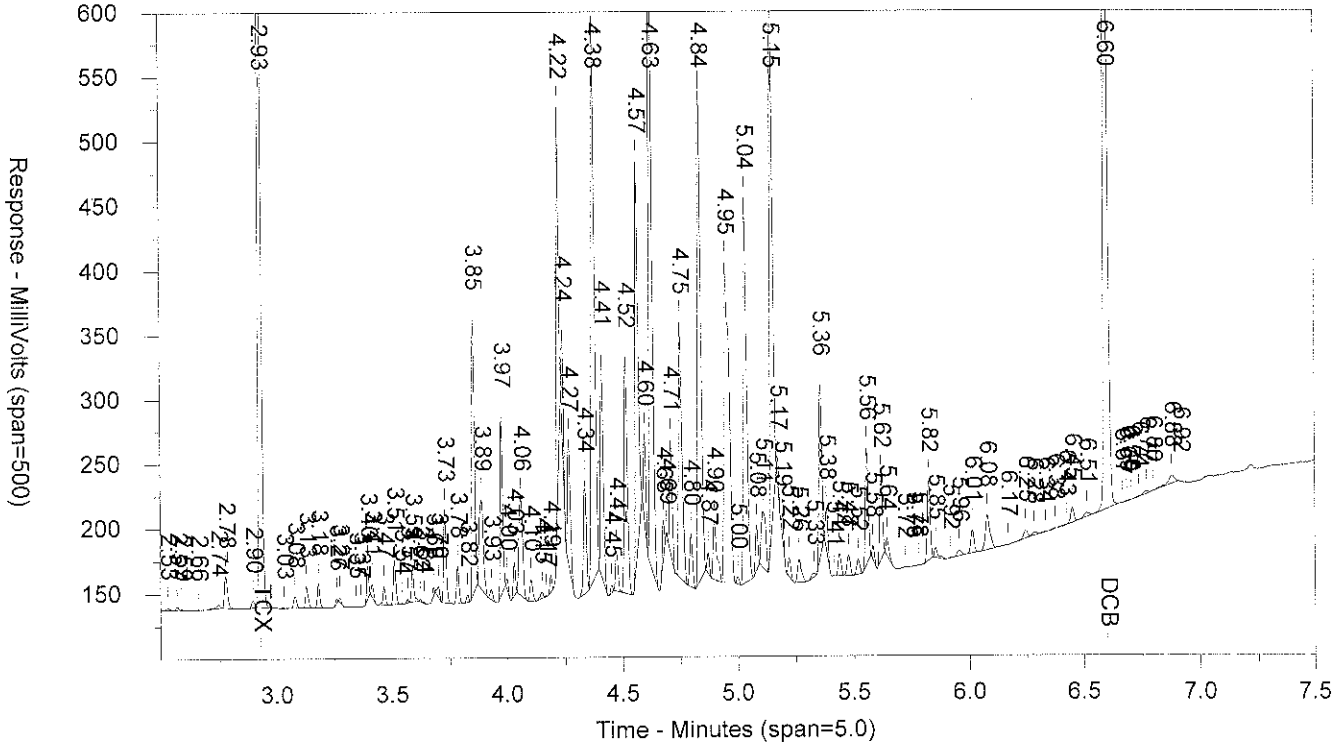

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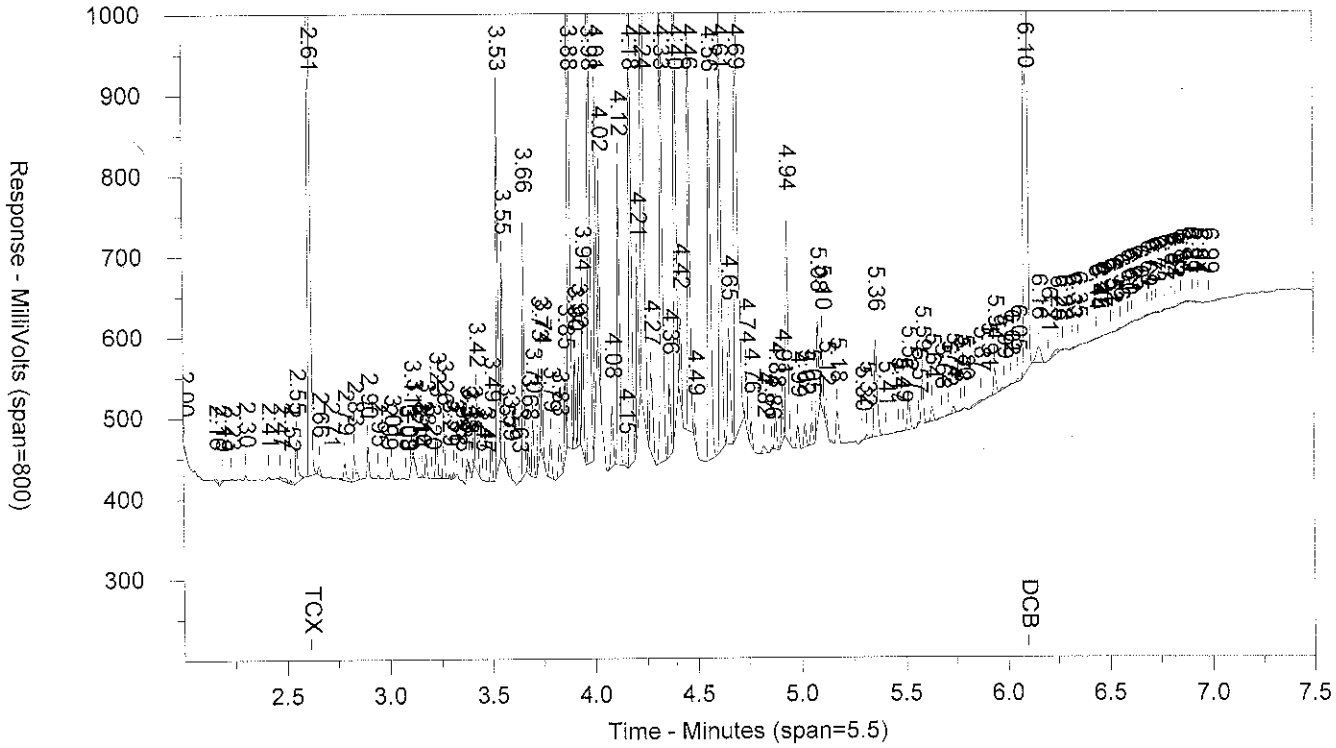


LANCASTER LABORATORIES

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

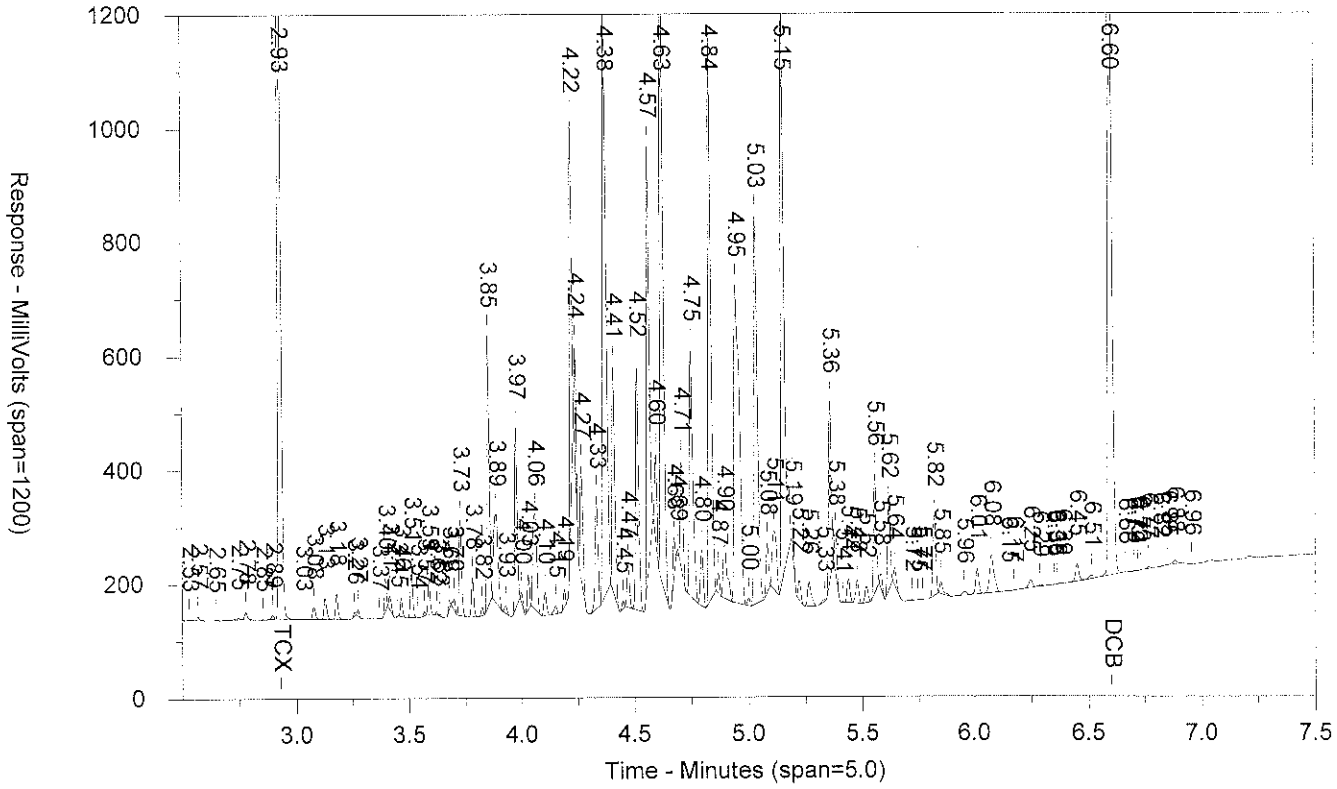
RT B	Compound B	Height B	Area B
2.054		11796	9351
2.106		1381	1807
2.143		5579	11655
2.211		2464	9187
2.228		2213	2607
2.269		1677	1749
2.301		13013	10162
2.407		2922	4167
2.496		6654	9074
2.547		28766	35120
2.614	TCX	5074823	3038356
2.659		25130	18806
2.714		2287	1924
2.786		49707	39265
2.832		75491	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

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.022.RAW



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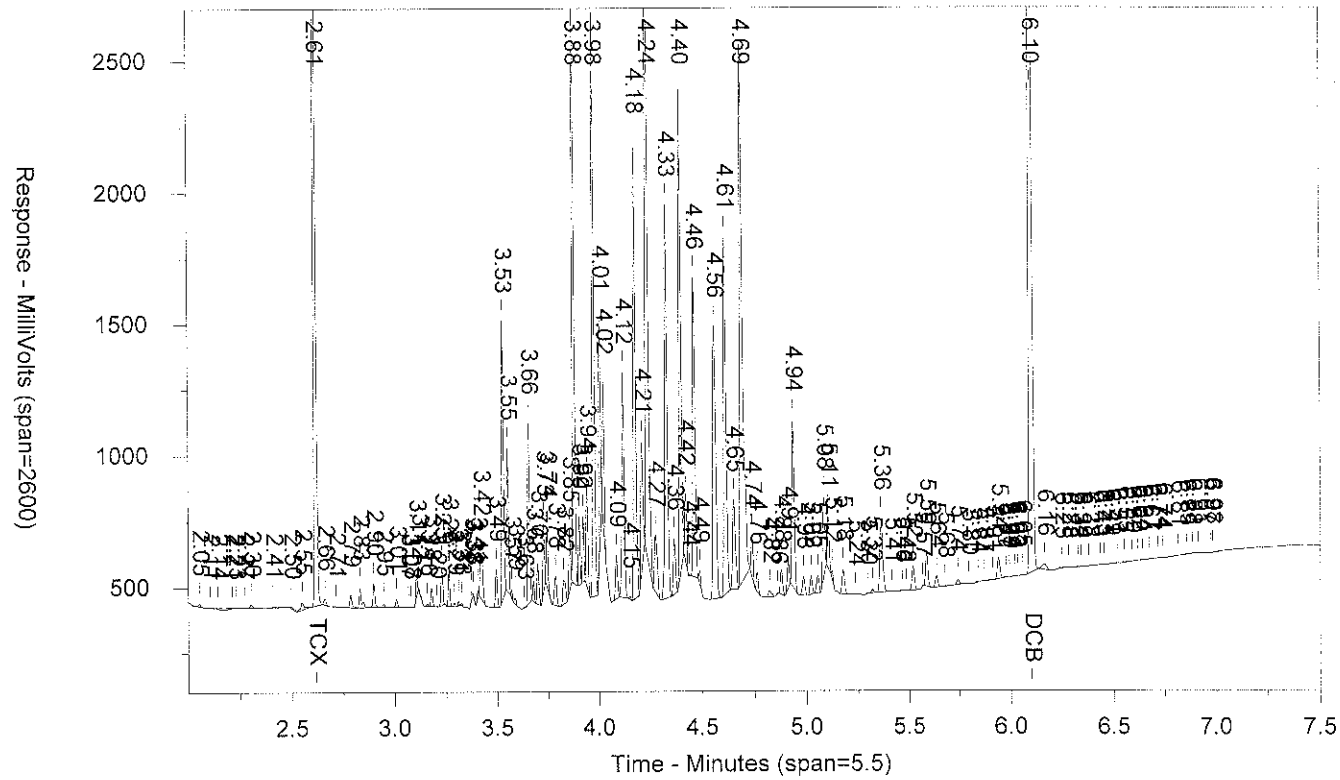

LANCASTER LABORATORIES

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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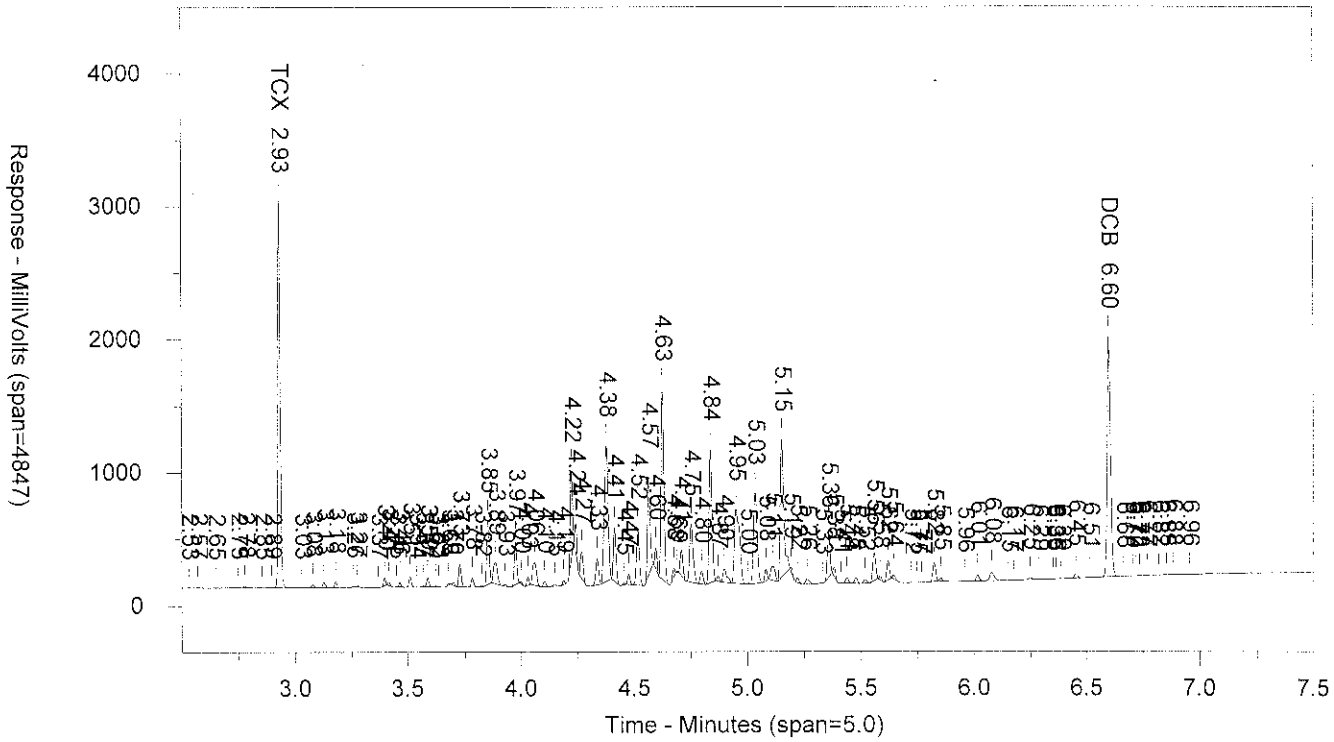

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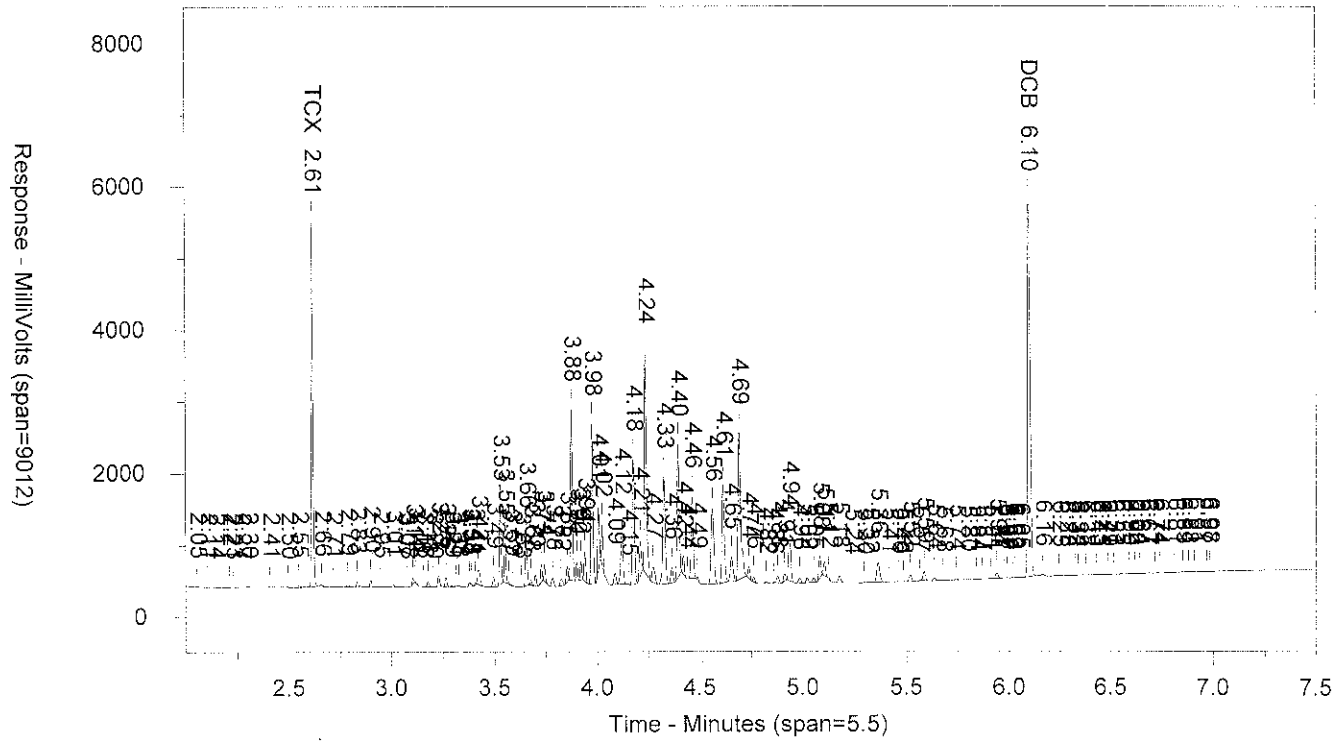

AR5441724C AAAR544AA ICAL 1728399999 10225 SW-846 8082

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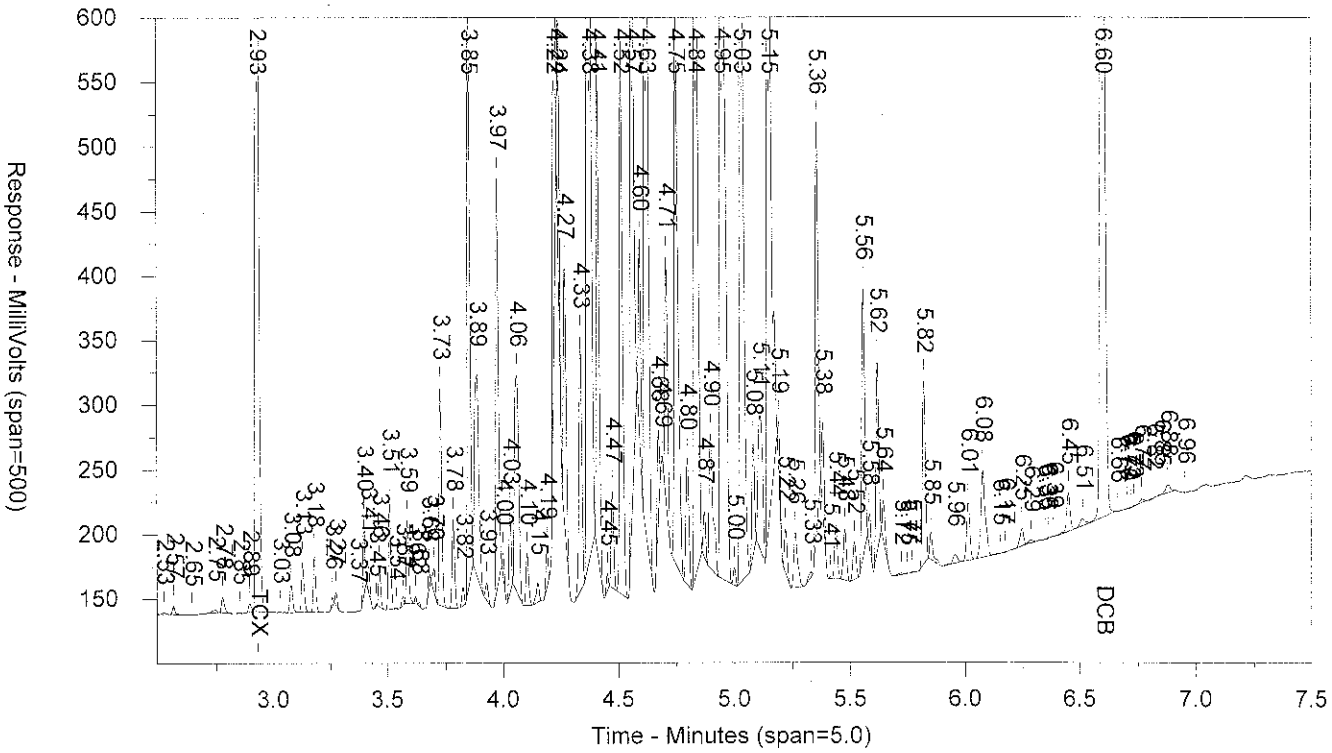

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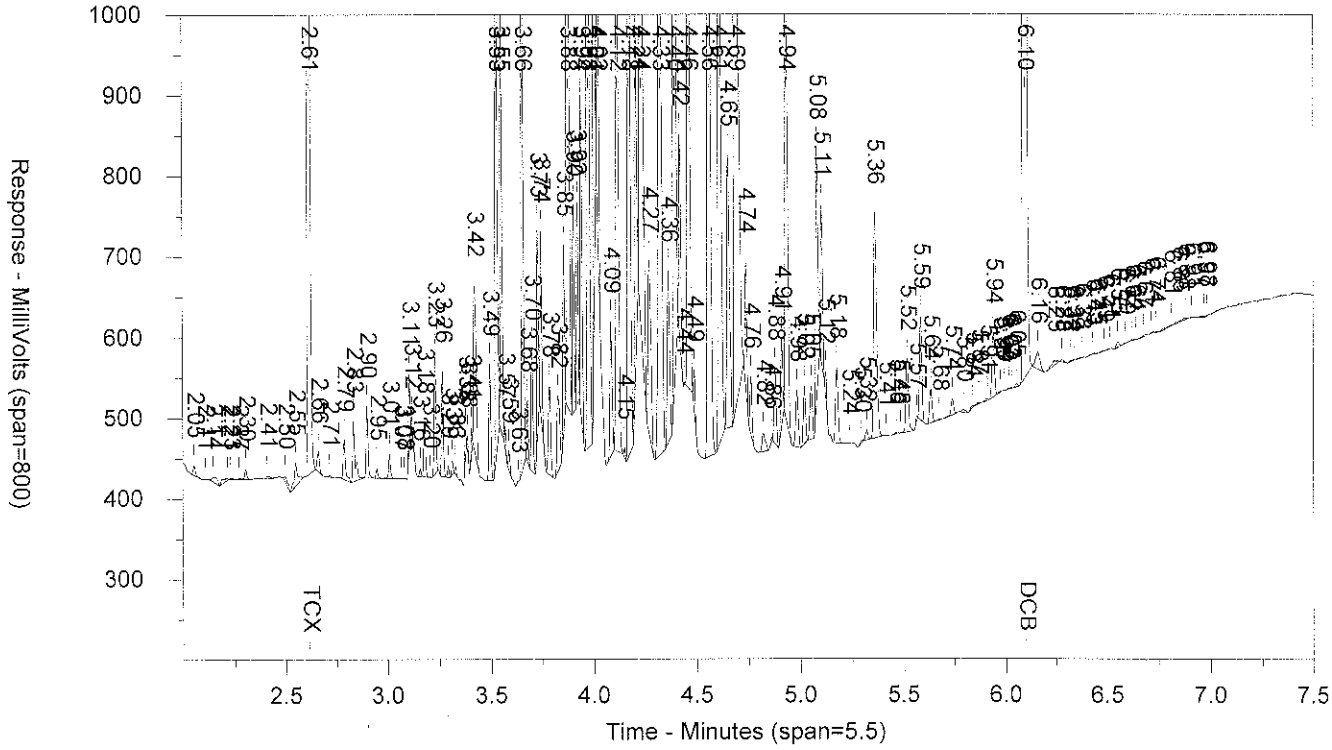

LANCASTER LABORATORIES

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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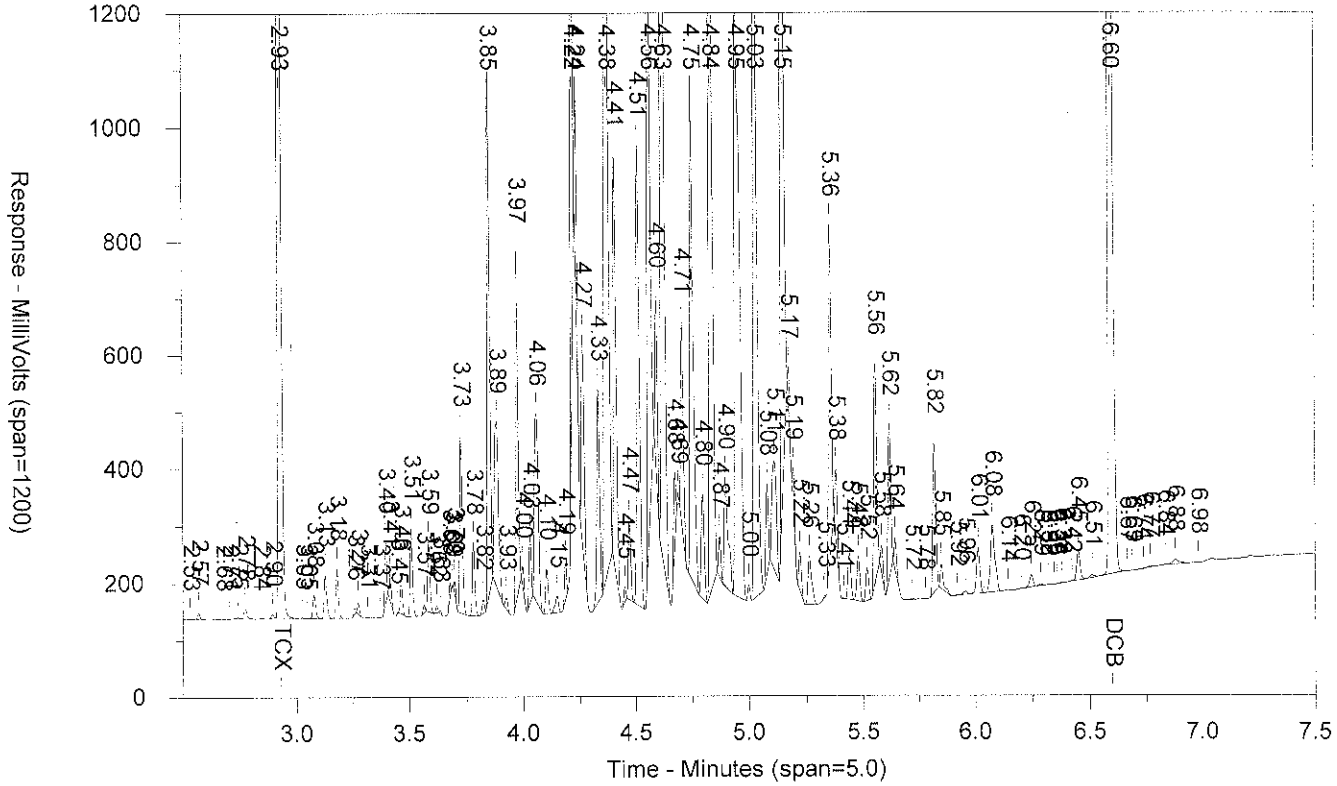

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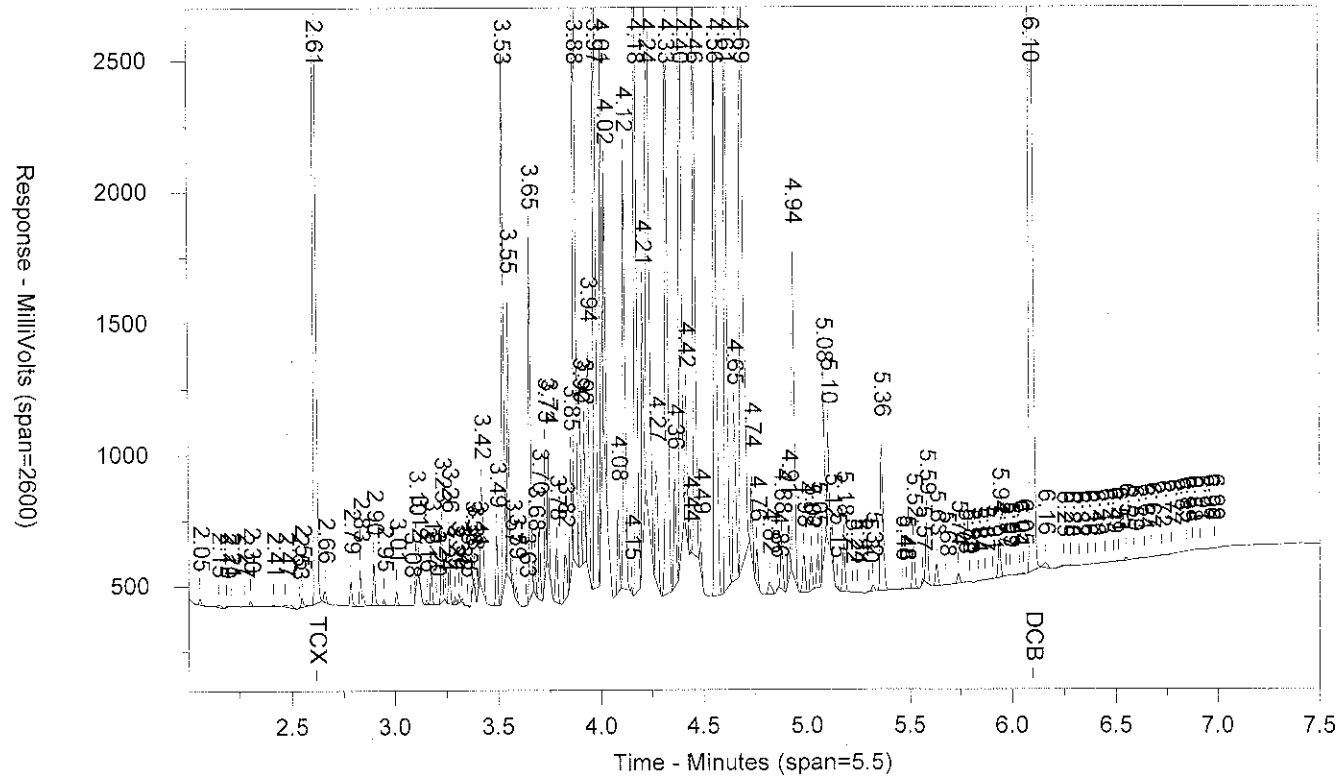

LANCASTER LABORATORIES

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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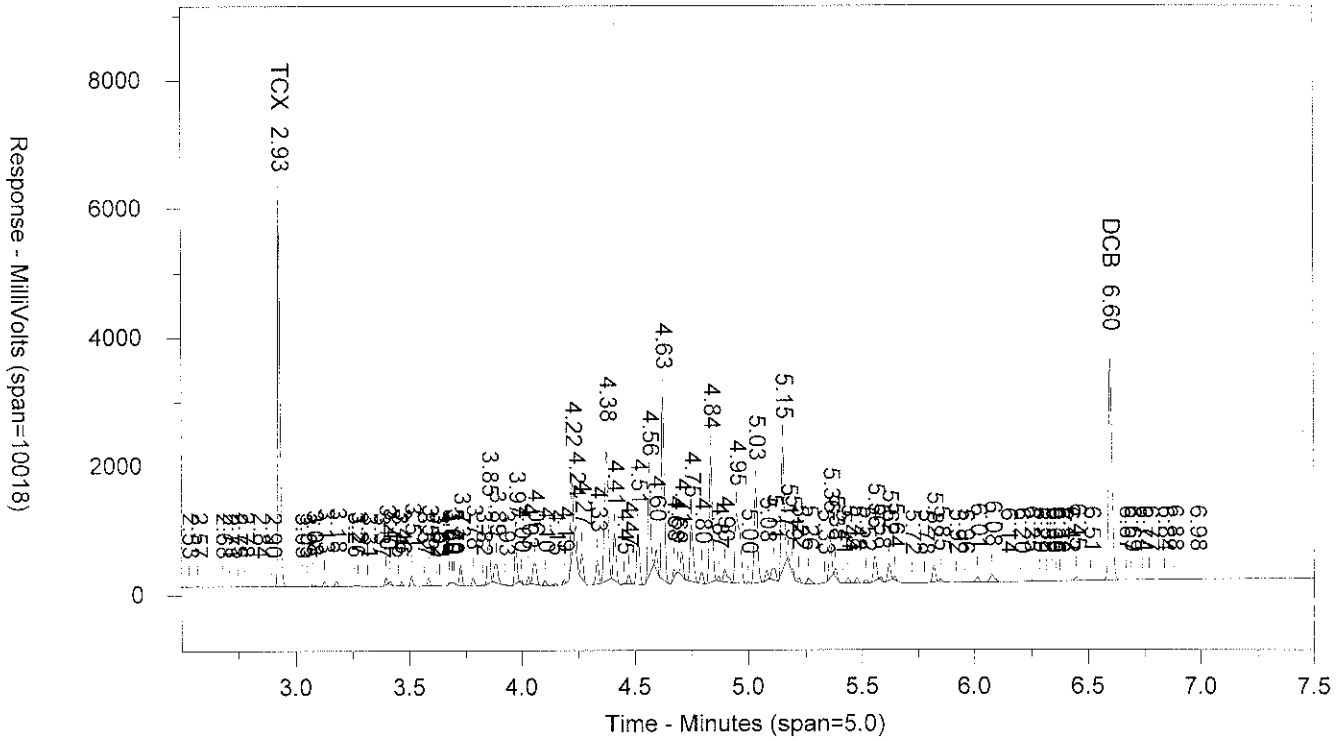

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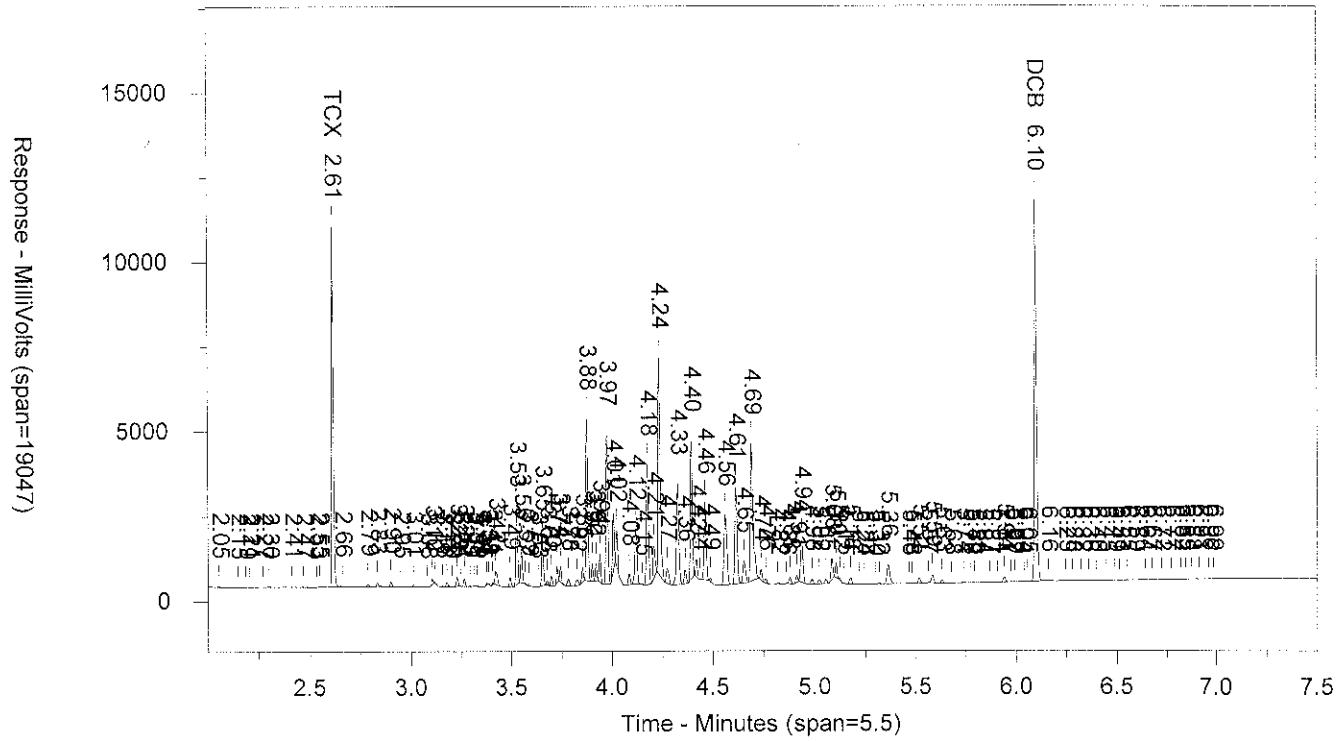

AR5451724C AAAR545AA ICAL 1728399999 10225 SW-846 8082

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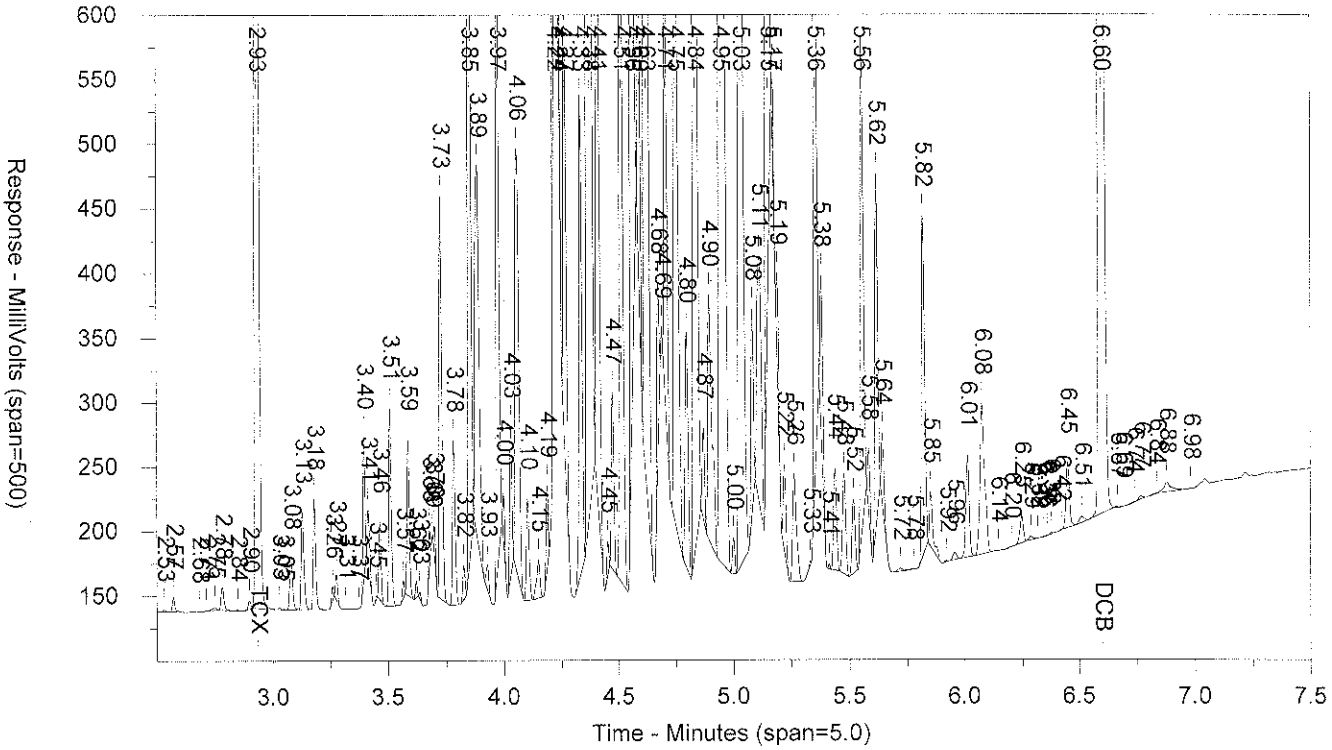

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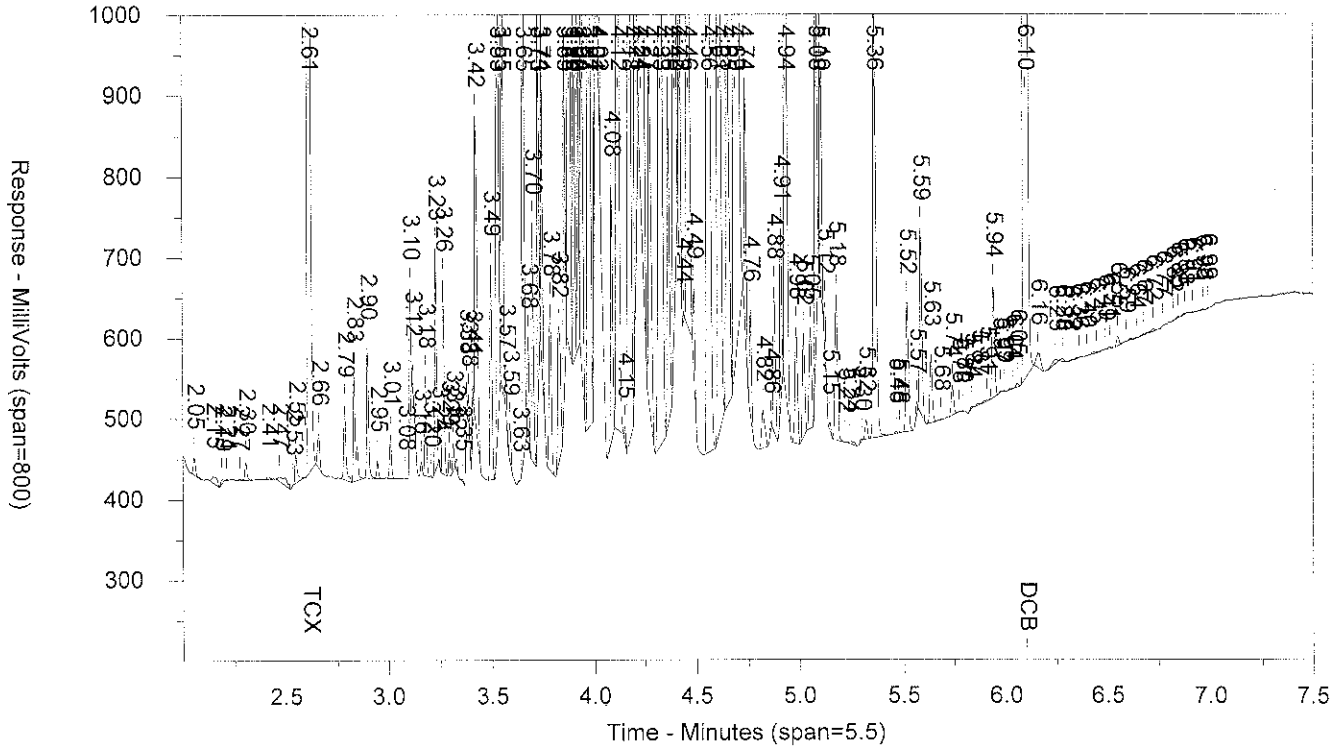

LANCASTER LABORATORIES

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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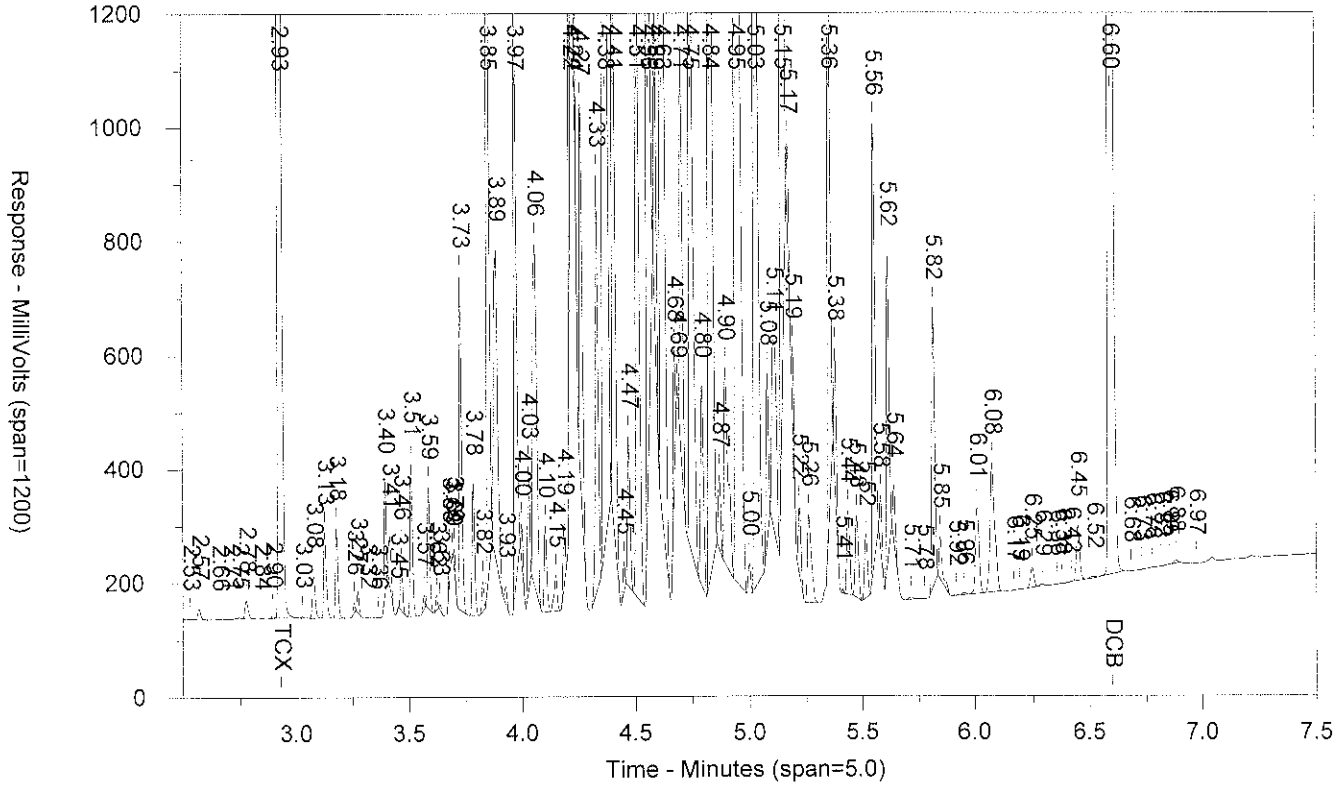

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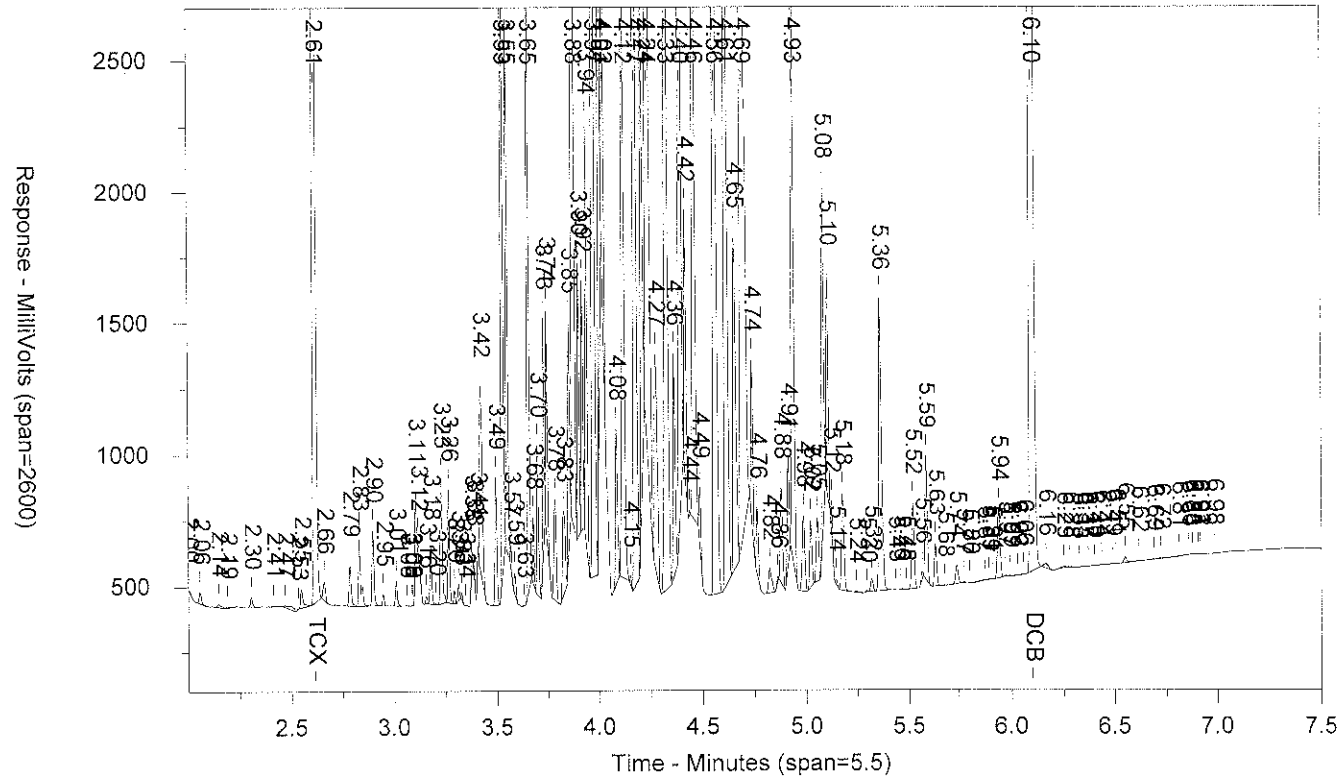

LANCASTER LABORATORIES

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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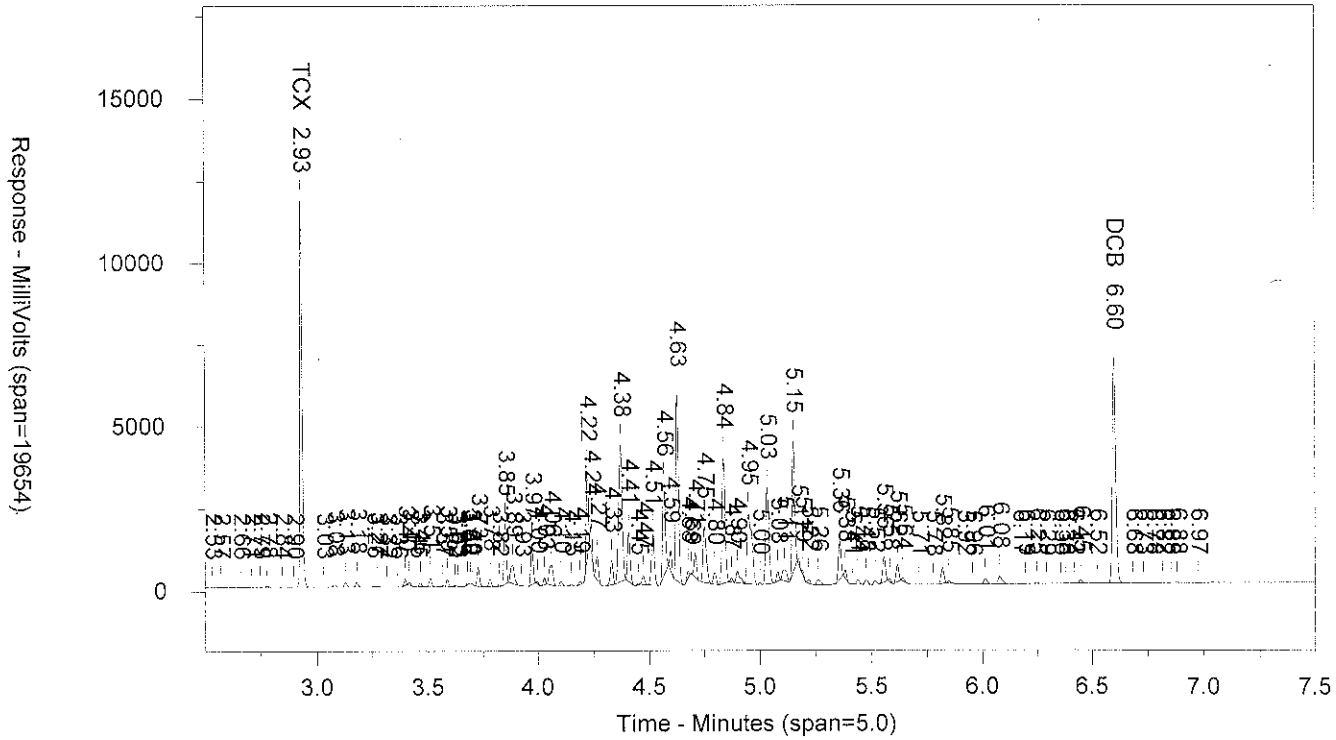

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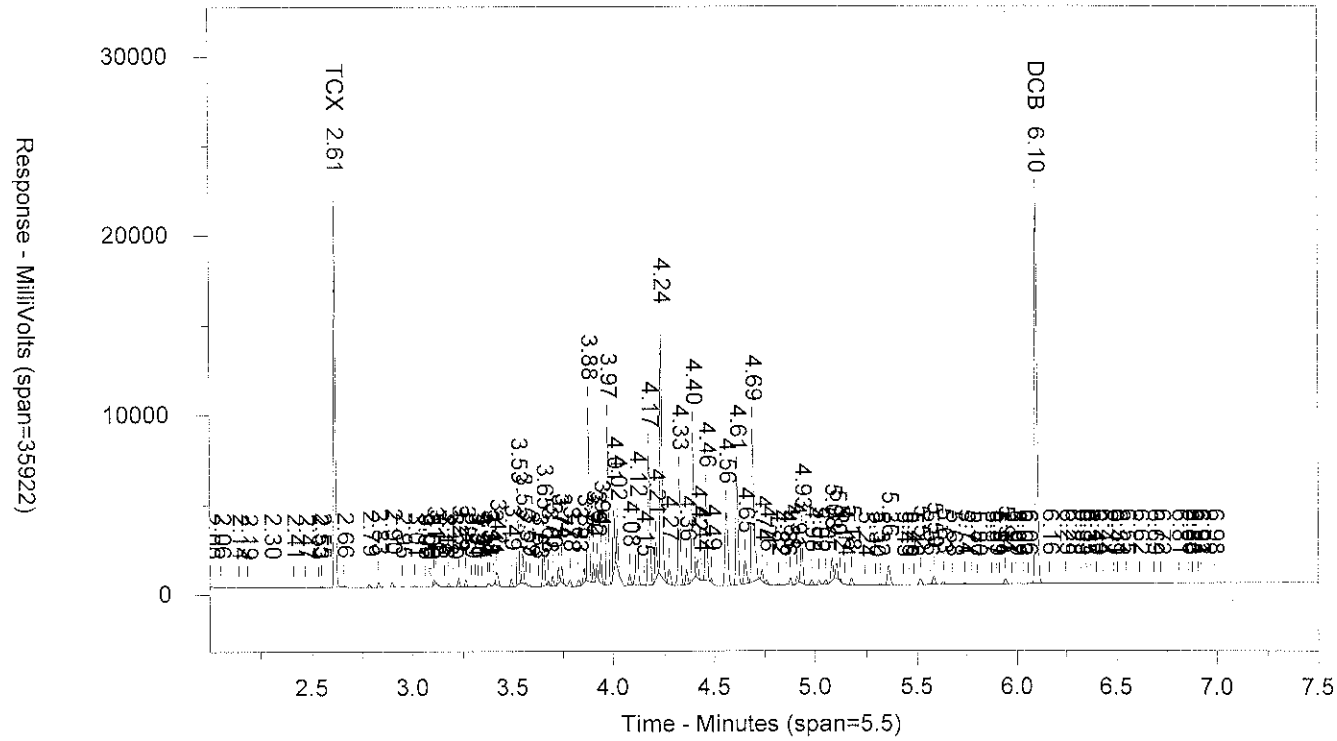

AR5461724B AAAR546AA ICAL 1728399999 10225 SW-846 8082

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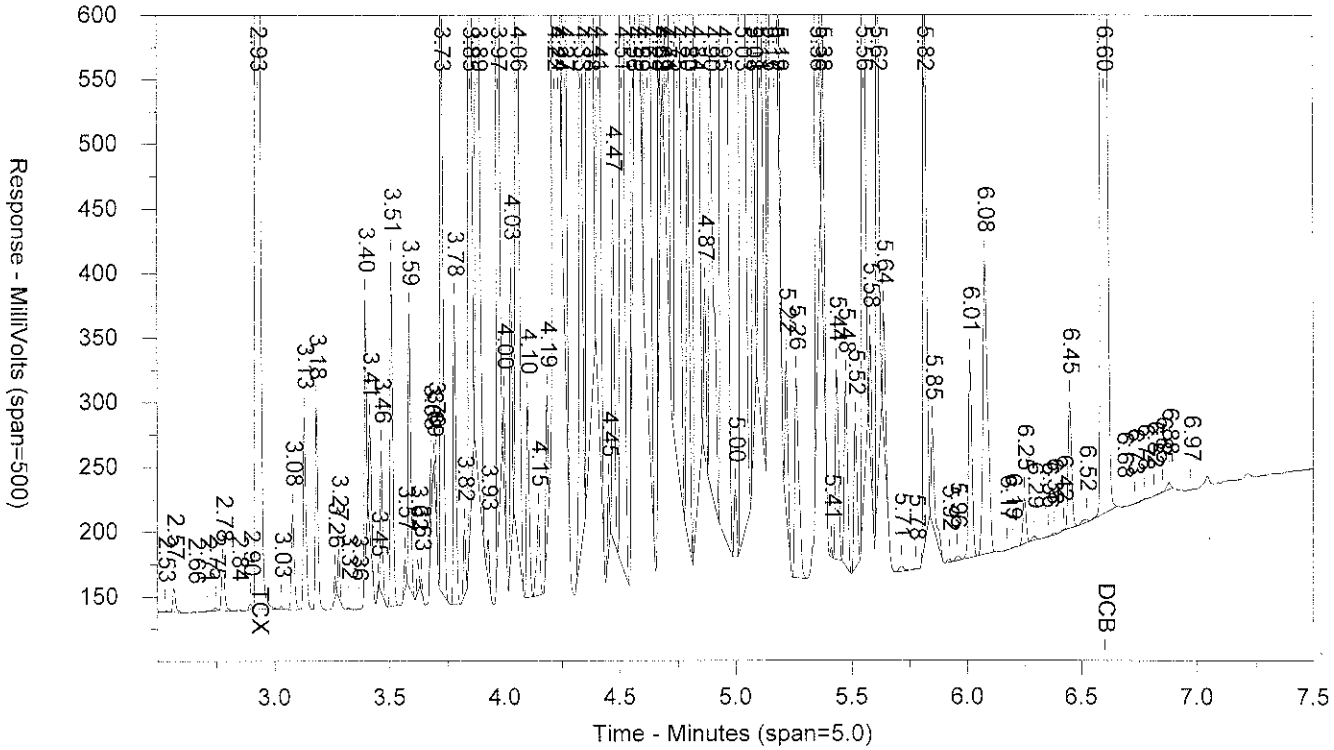

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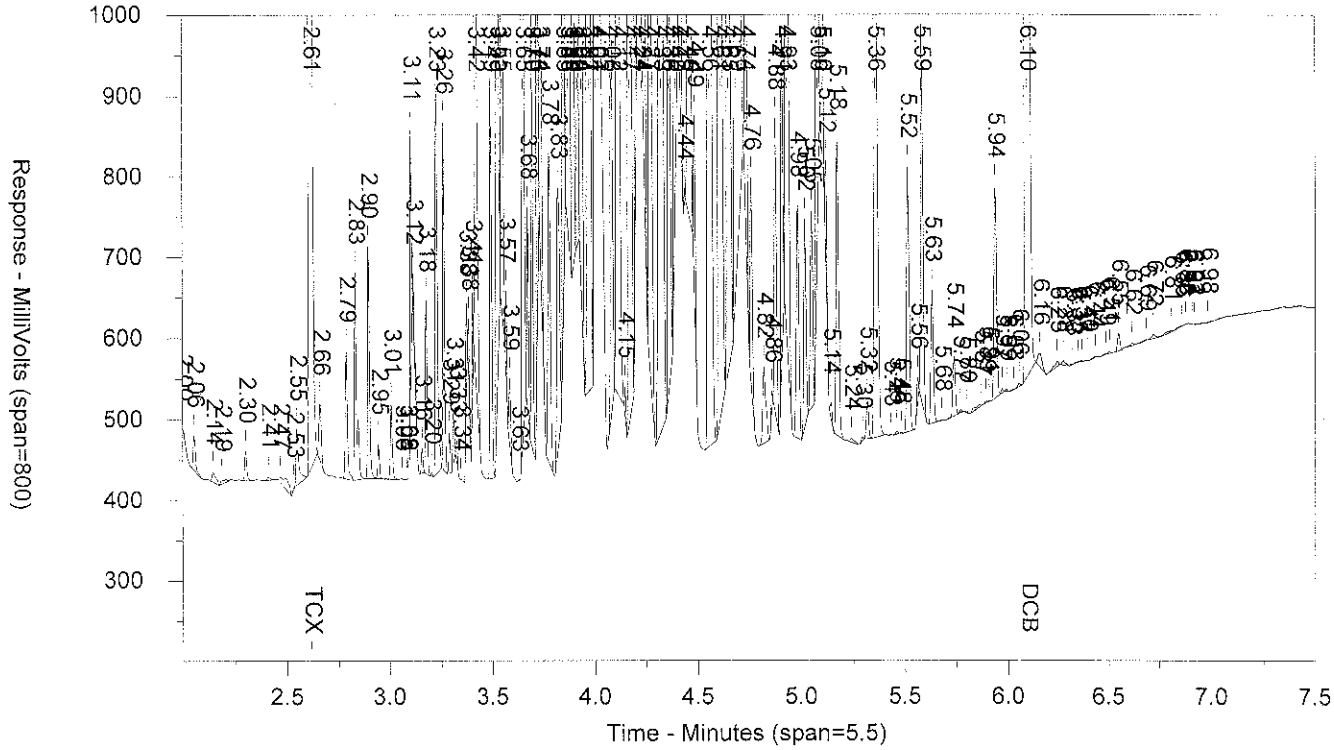

LANCASTER LABORATORIES

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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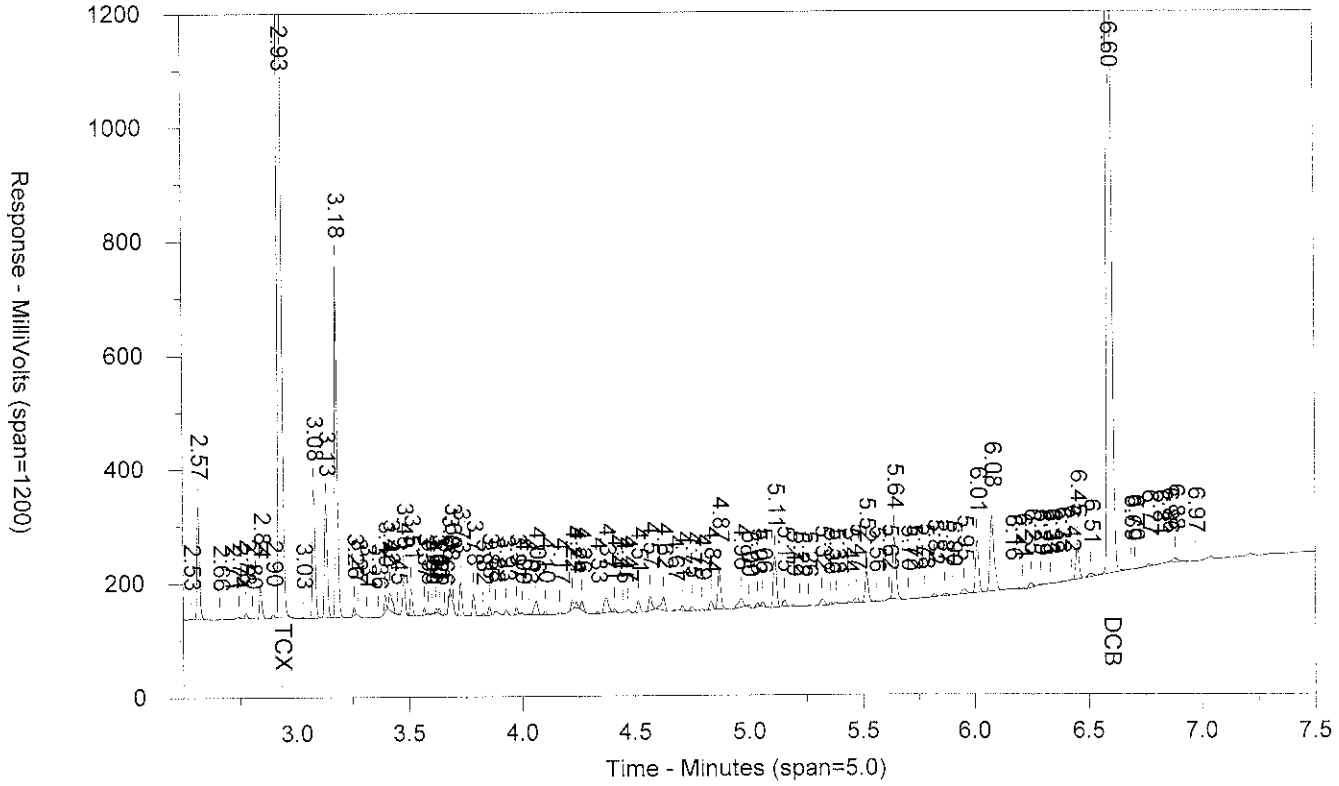

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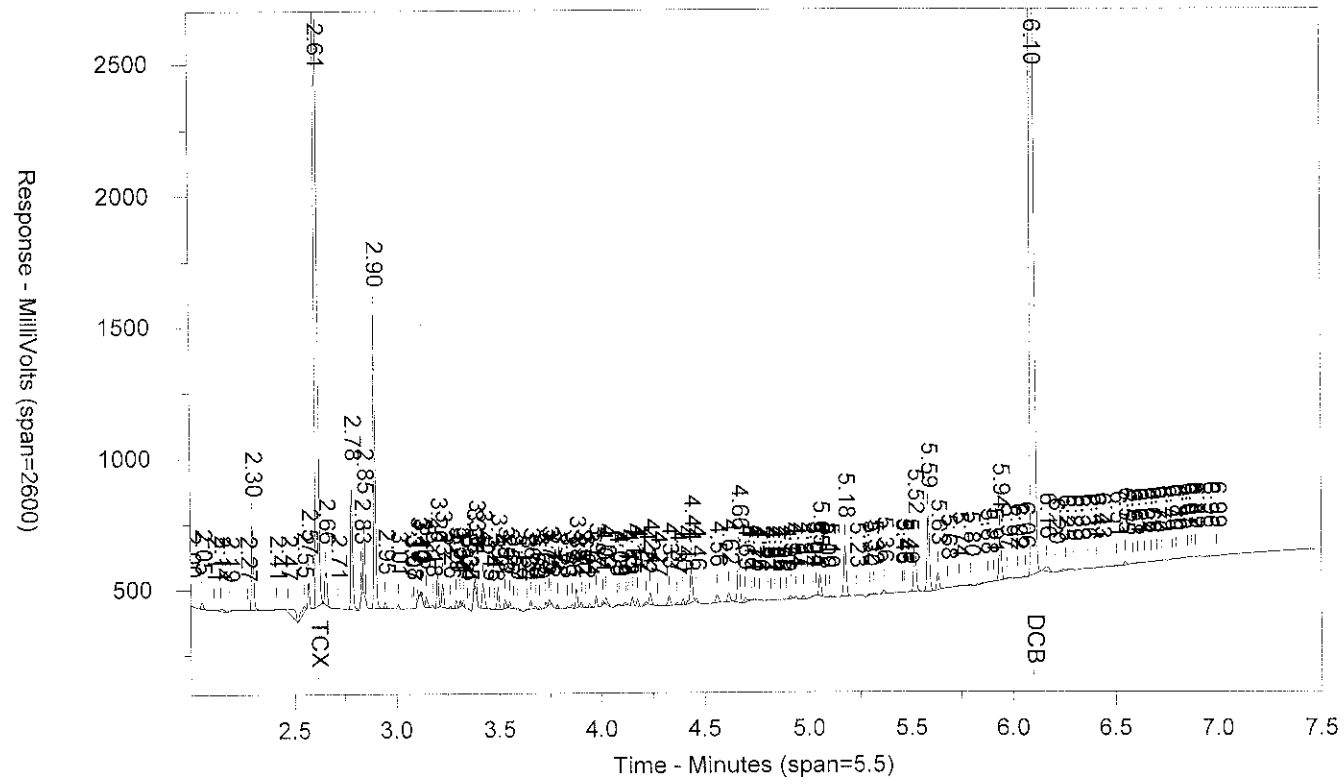

LANCASTER LABORATORIES

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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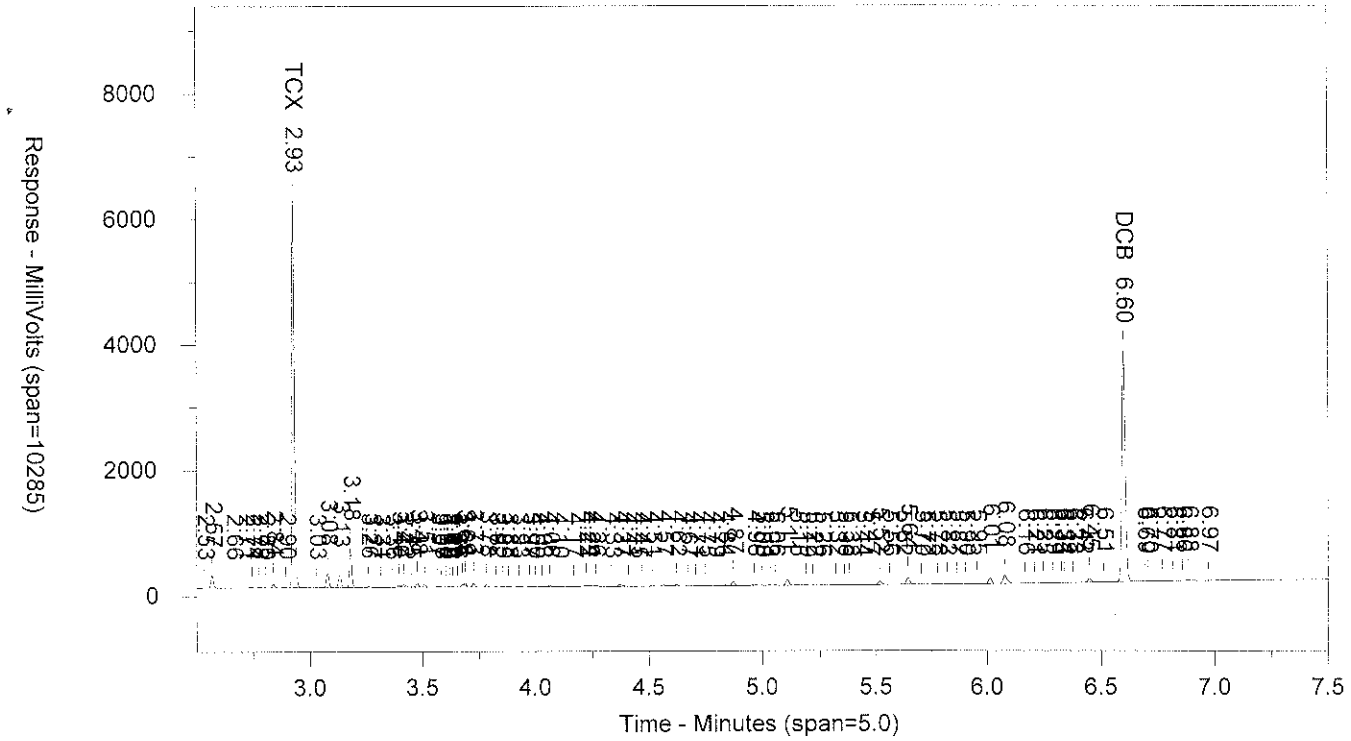

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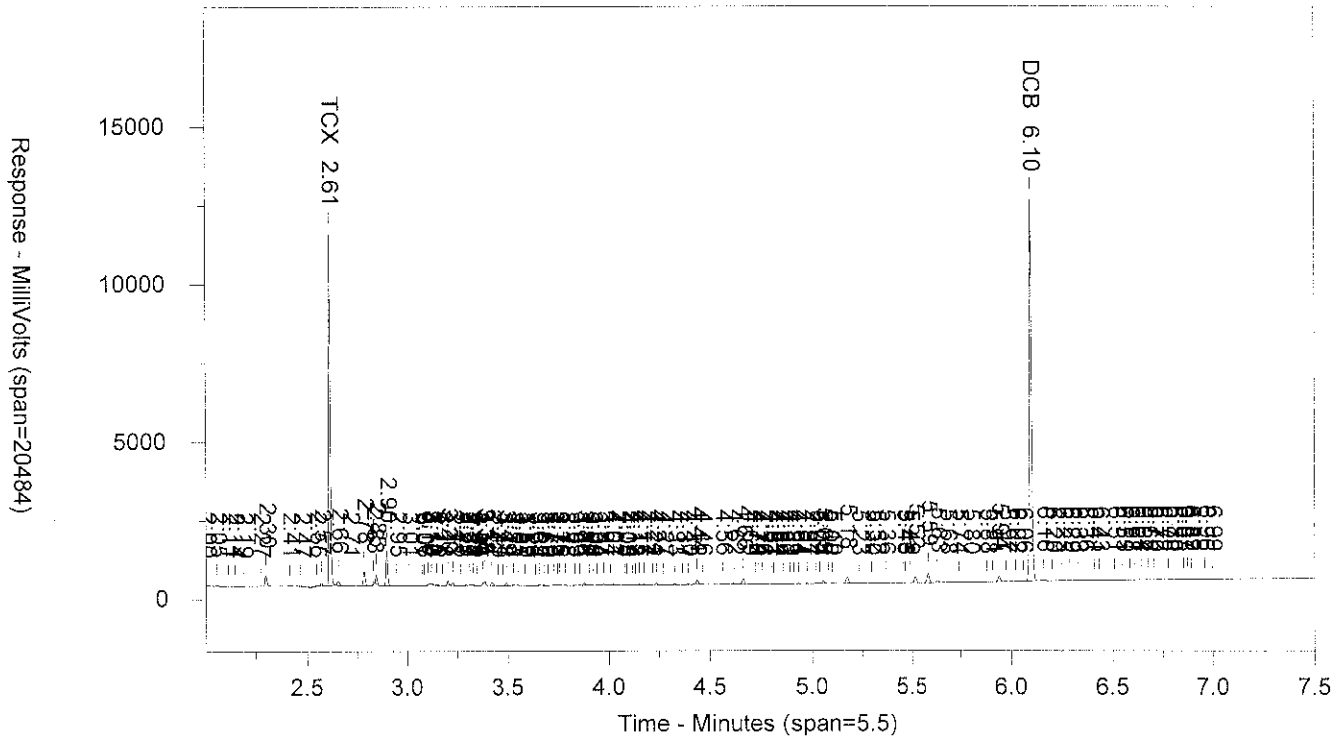

AR2131724A AAAR213AA ICAL 1728399999 10225 SW-846 8082

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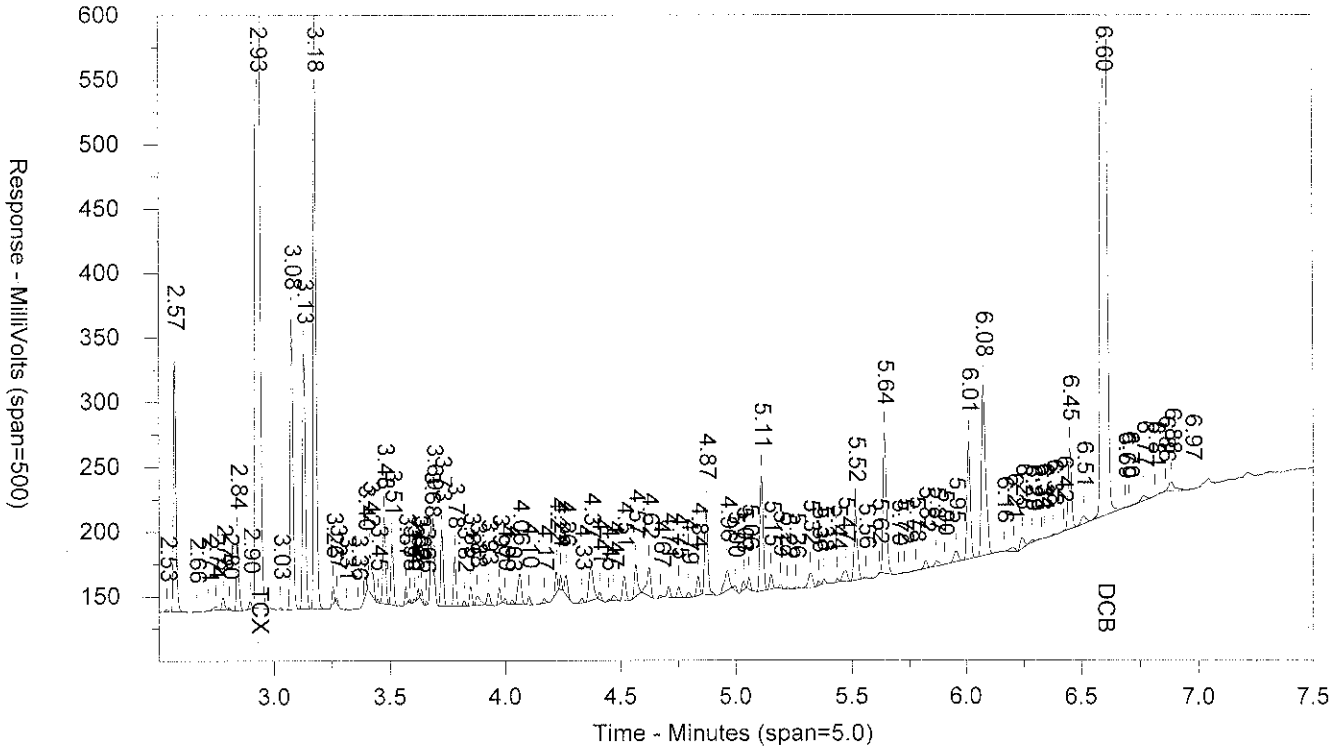

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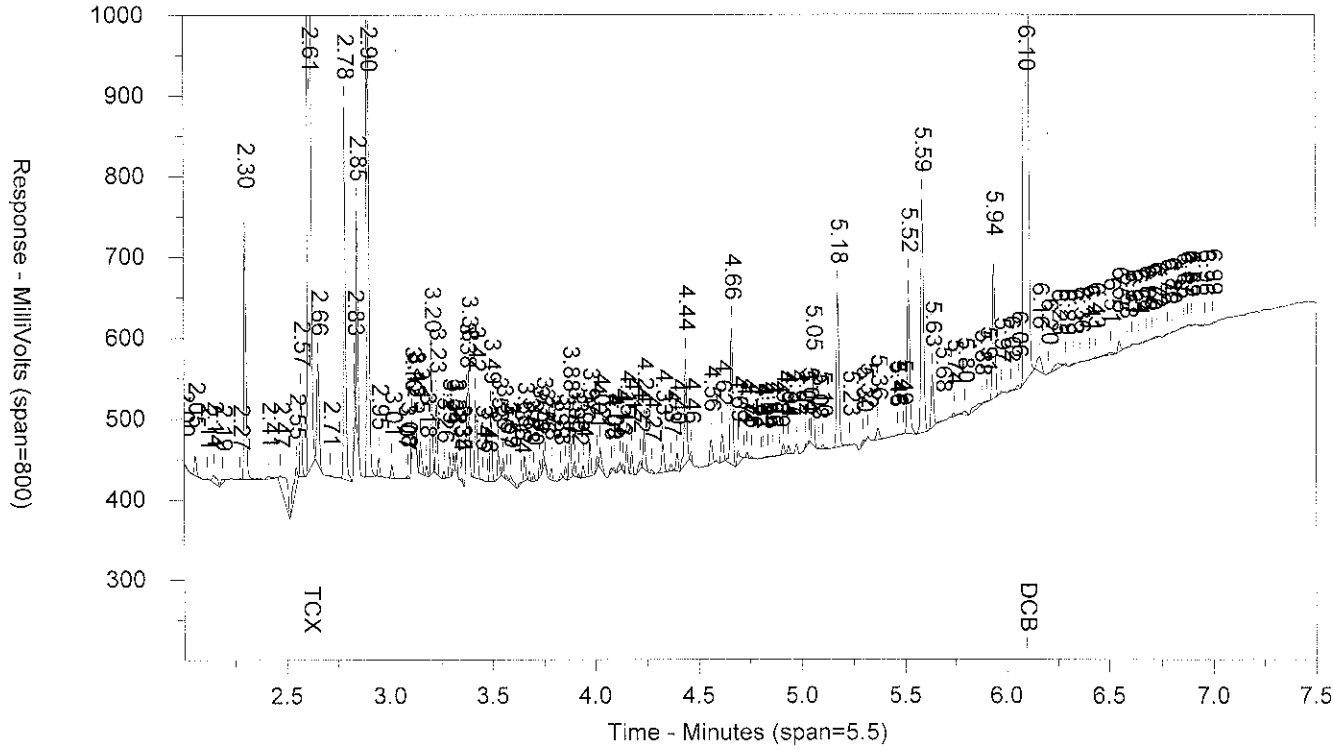

LANCASTER LABORATORIES

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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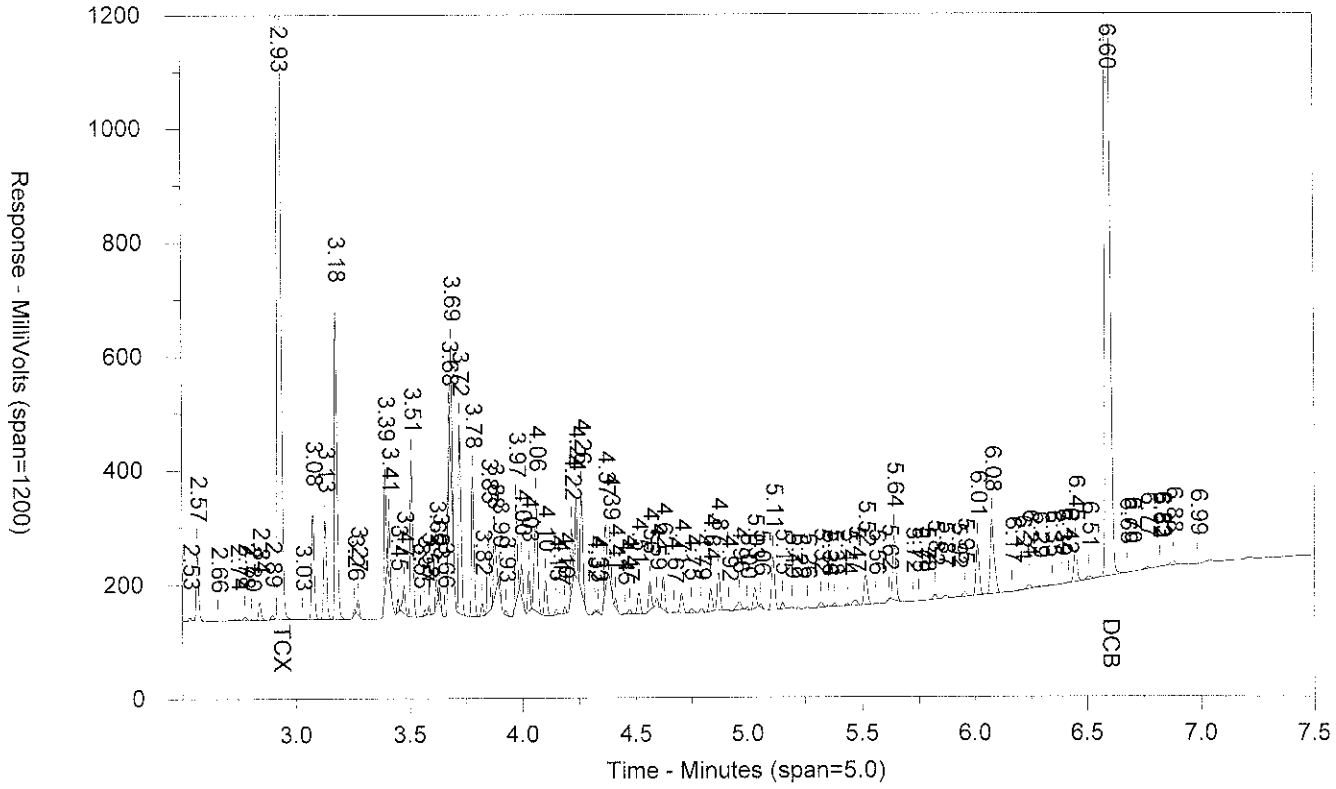

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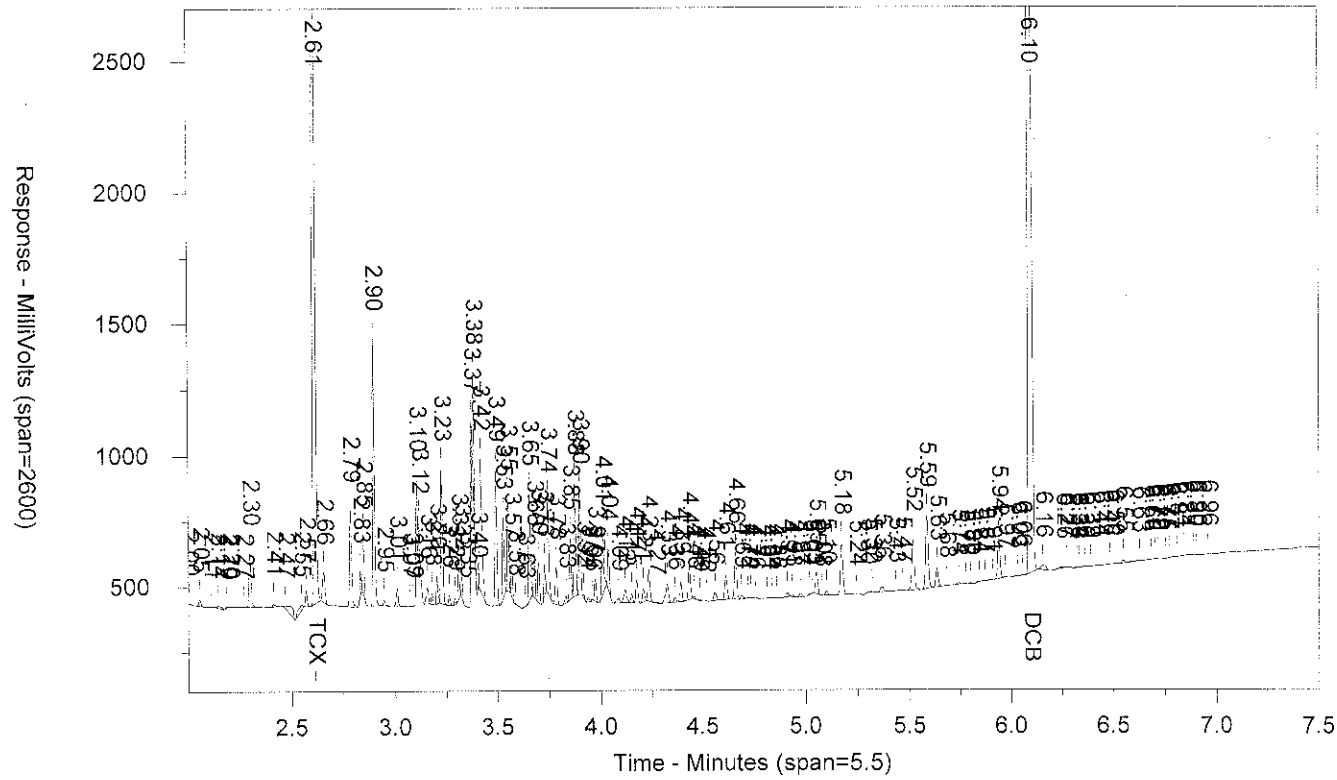

LANCASTER LABORATORIES

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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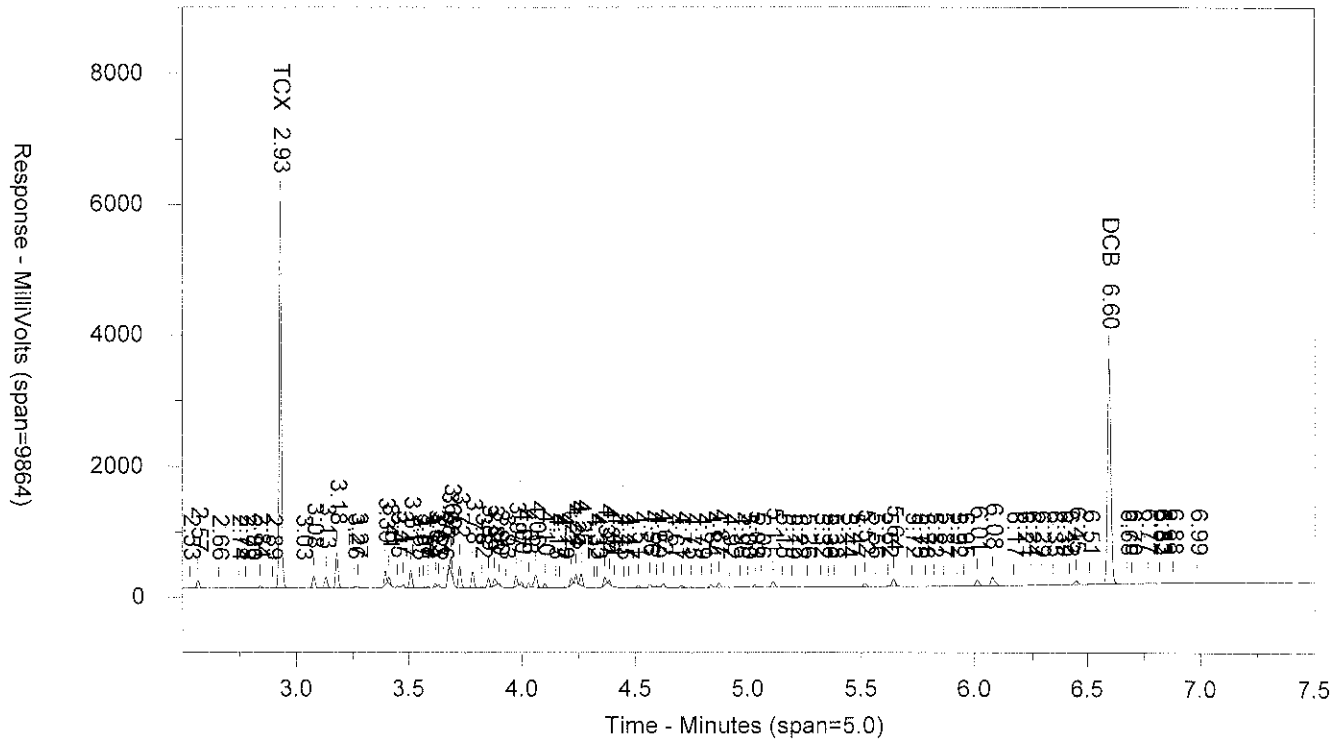

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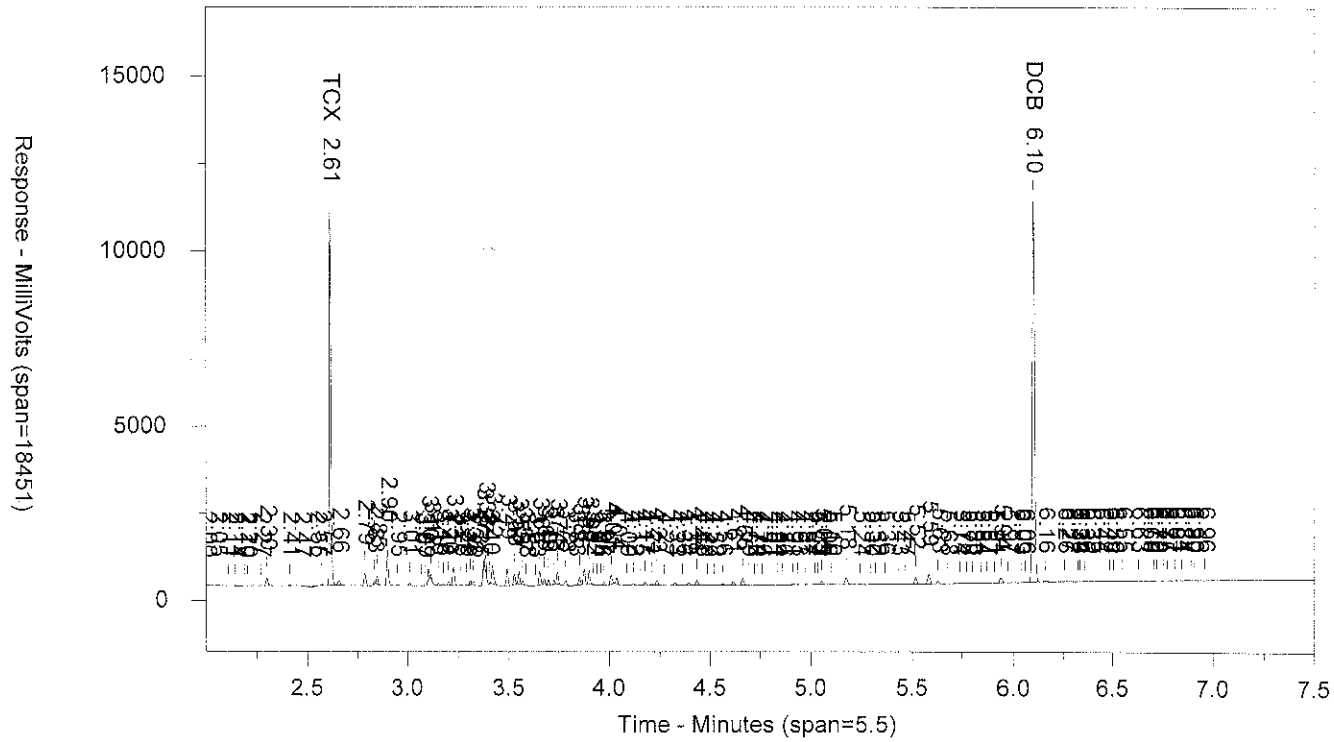

AR3241724A AAAR324AA ICAL 1728399999 10225 SW-846 8082

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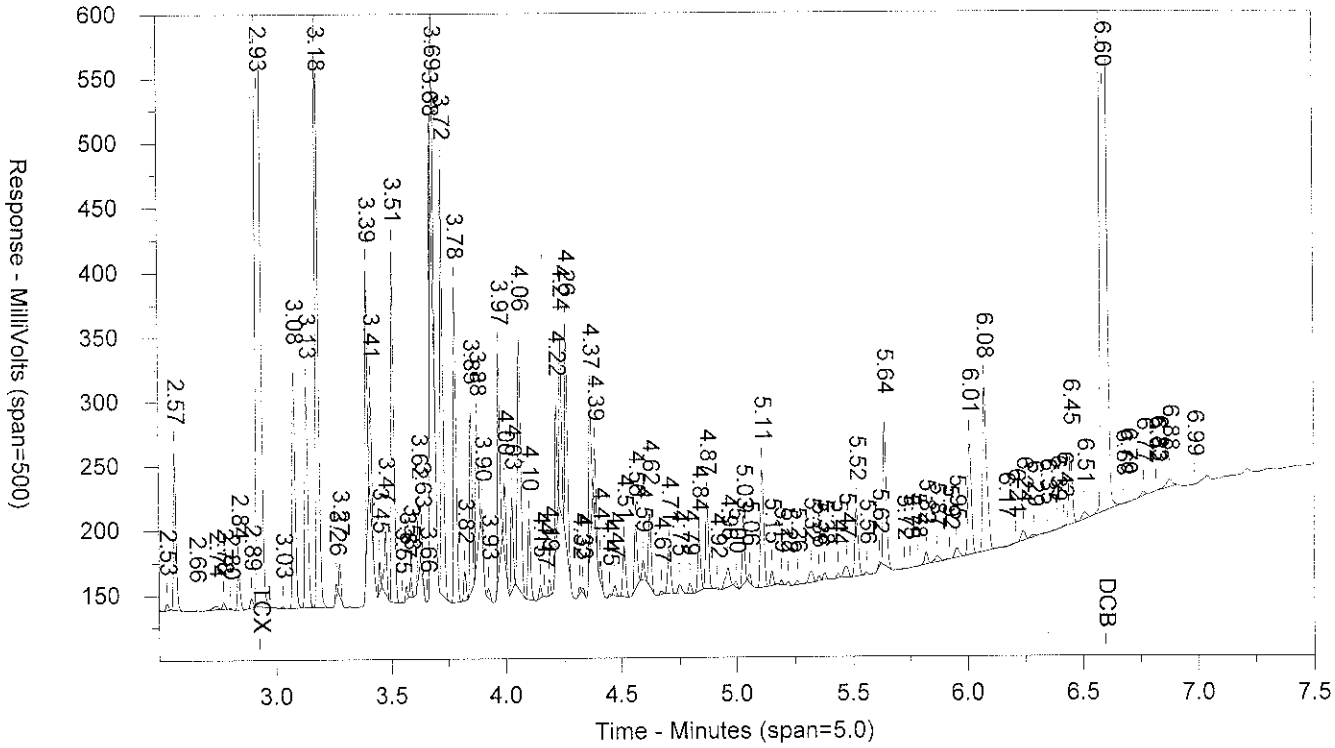

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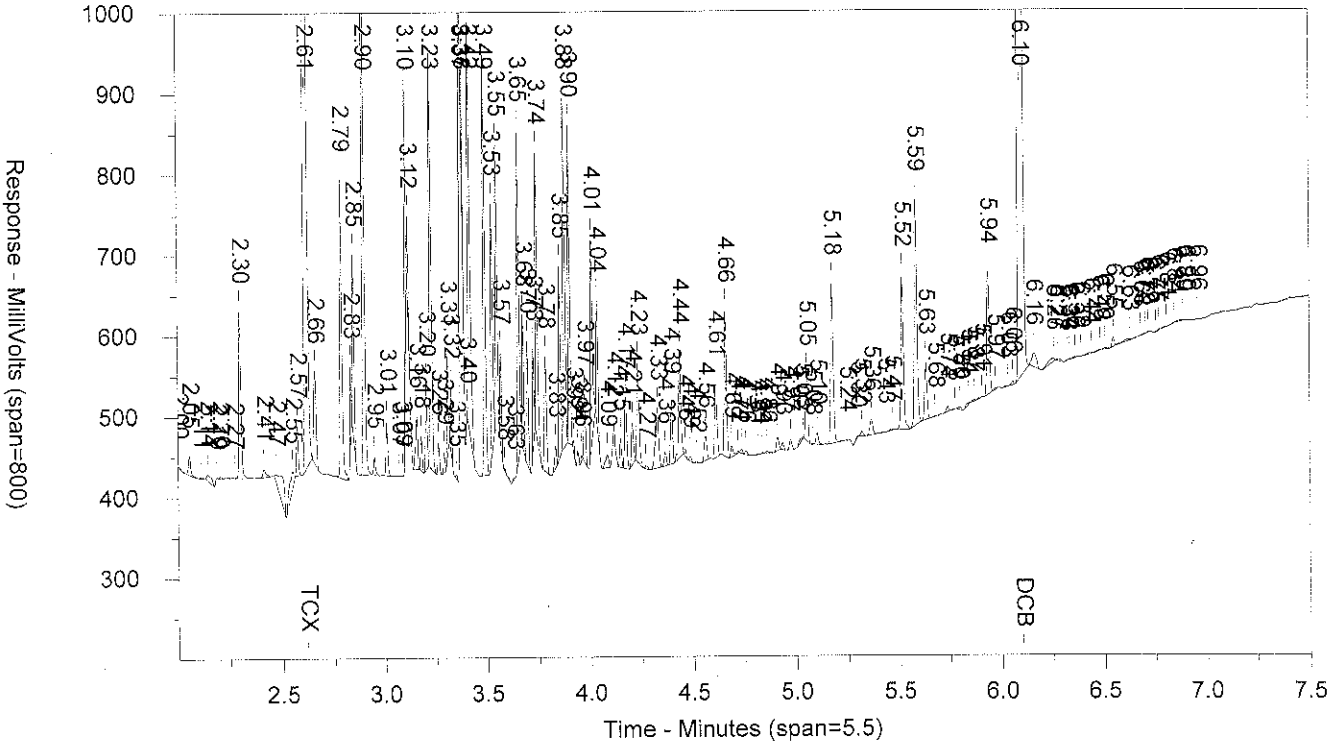

LANCASTER LABORATORIES

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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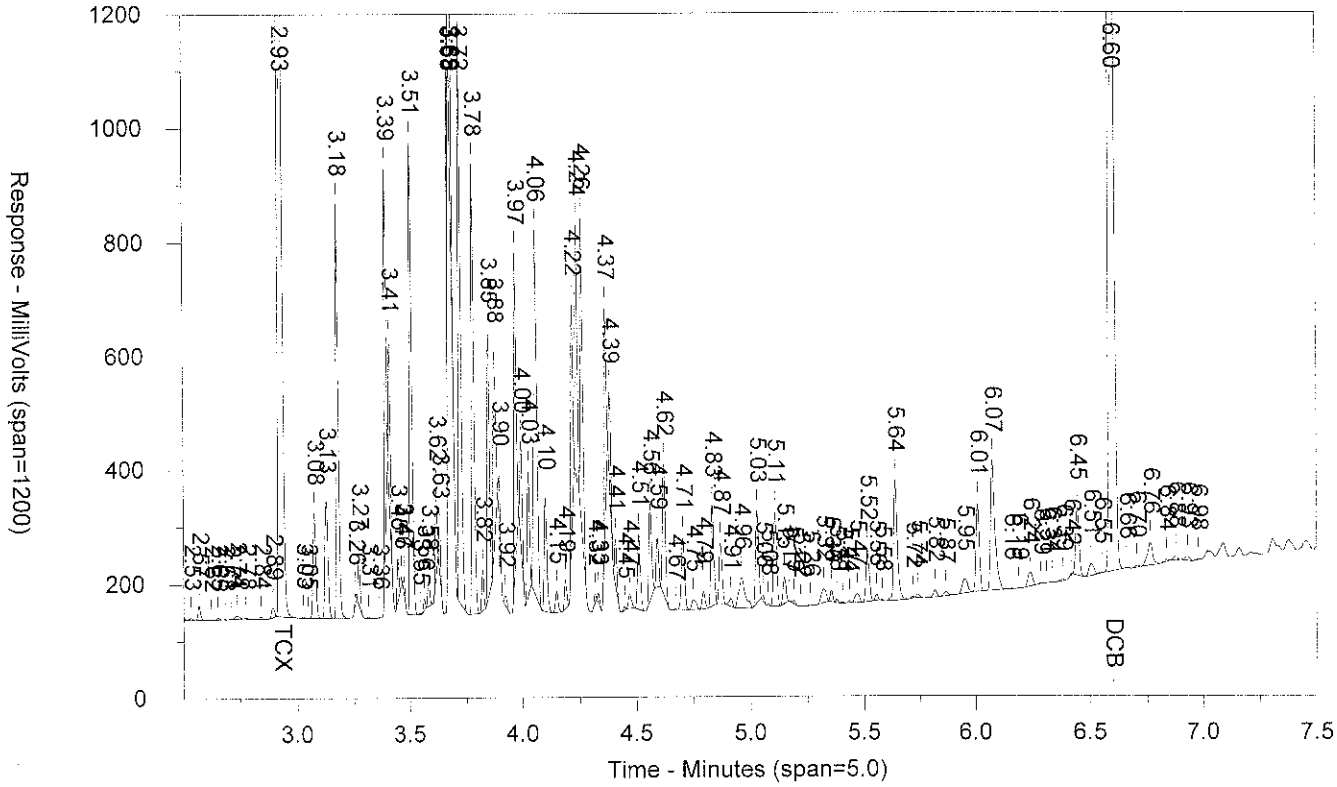

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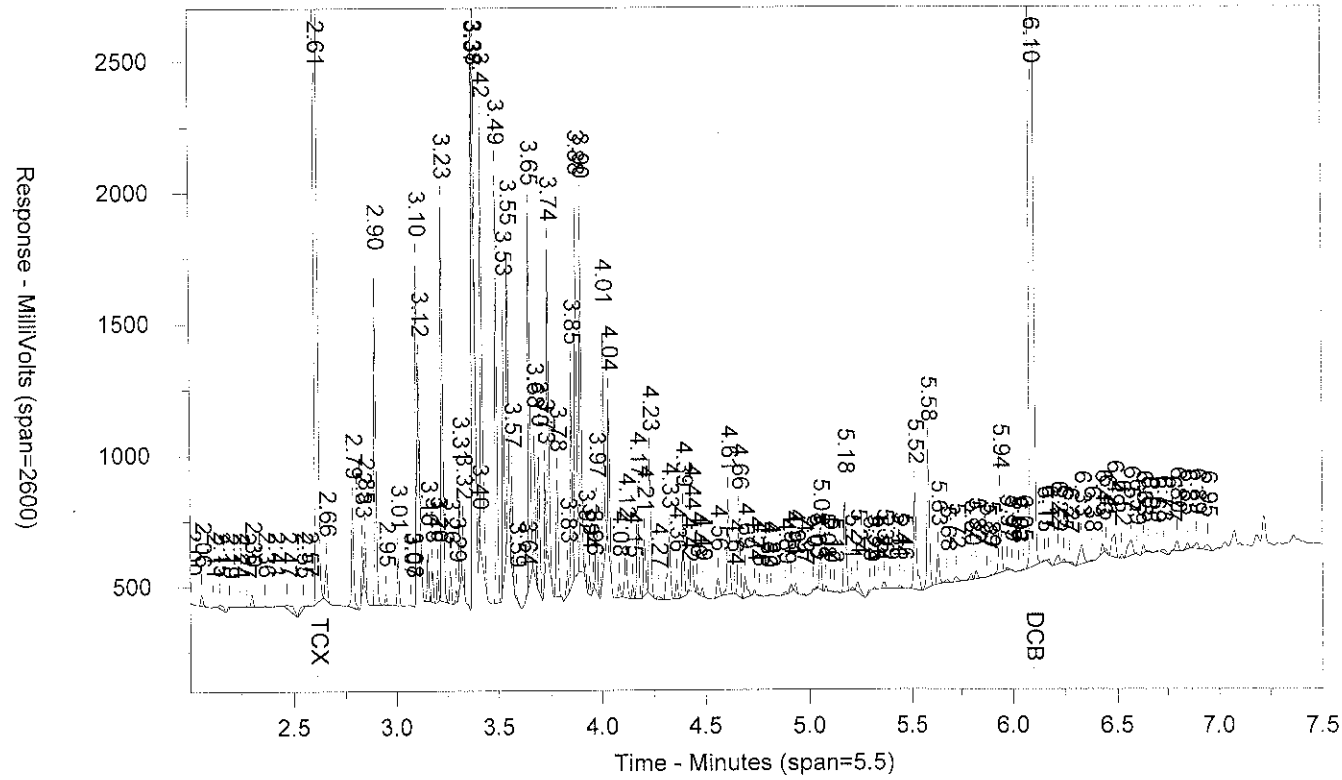

LANCASTER LABORATORIES

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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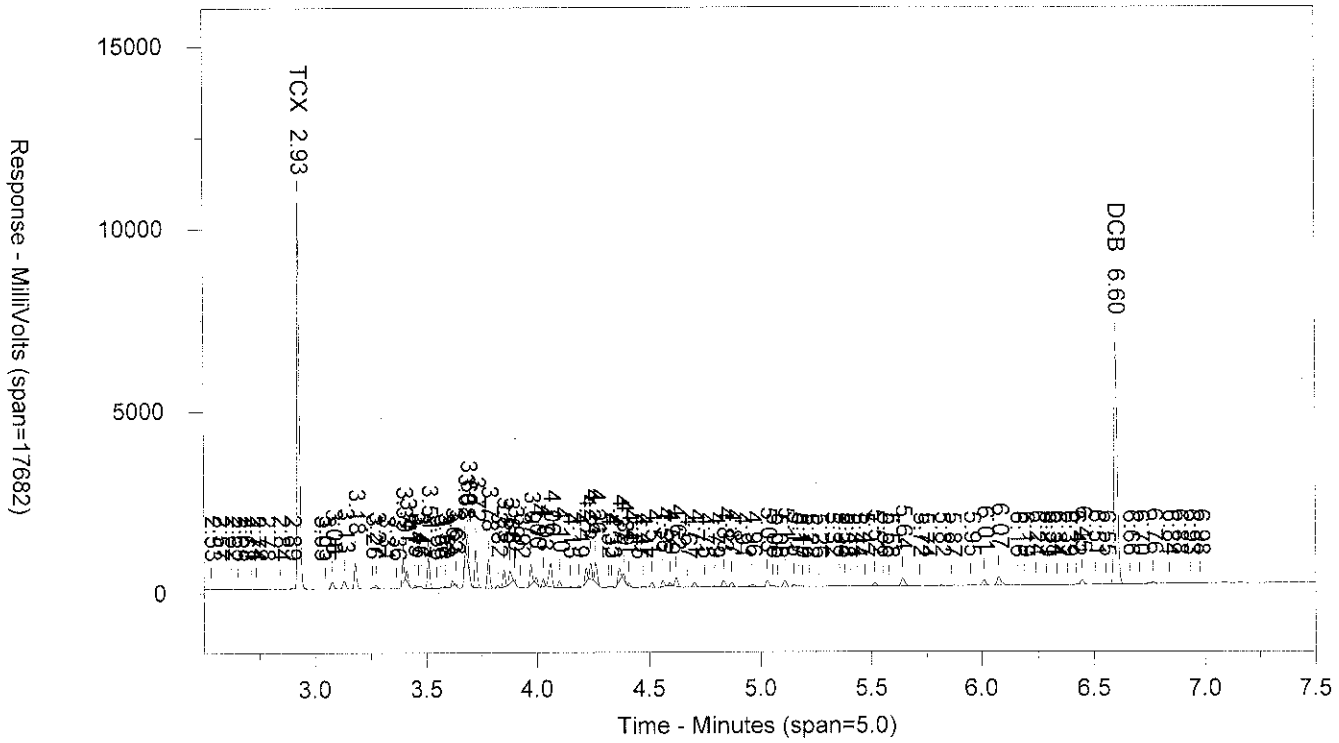

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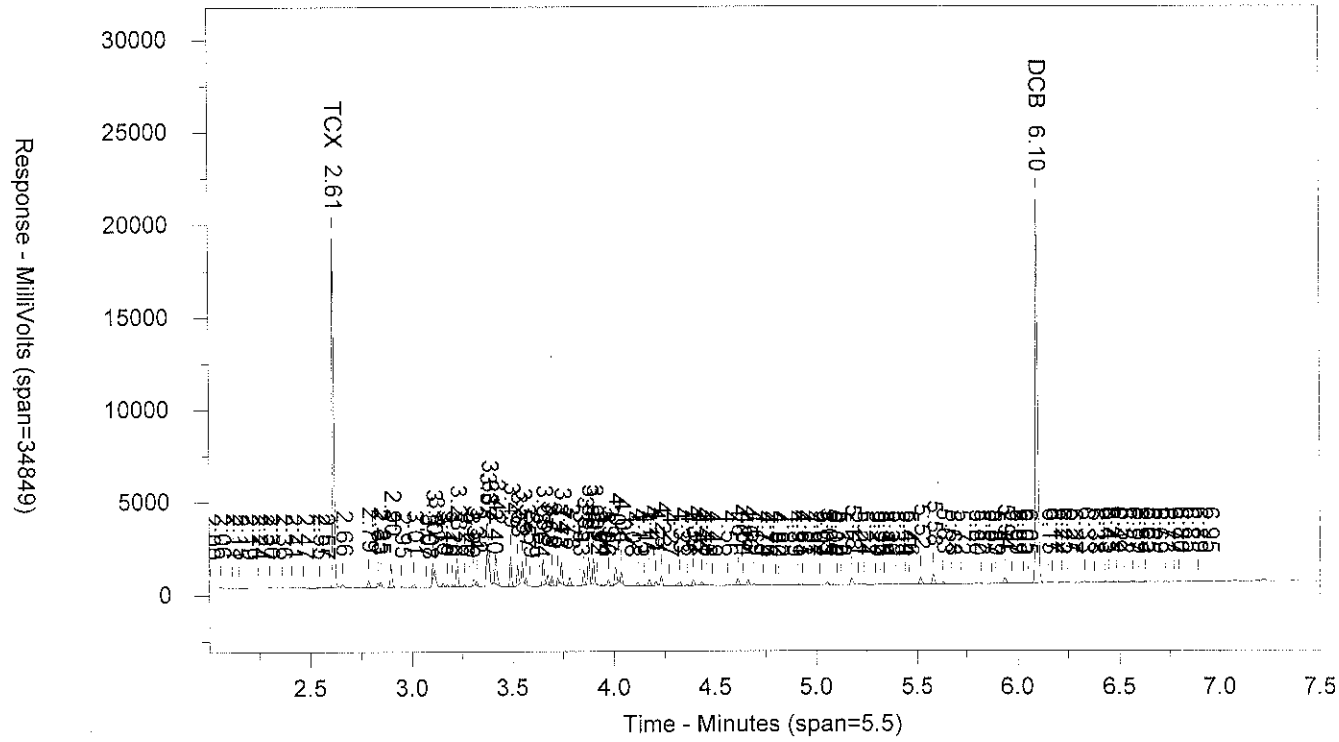

AR4231724A AAAR423AA ICAL 1728399999 10225 SW-846 8082

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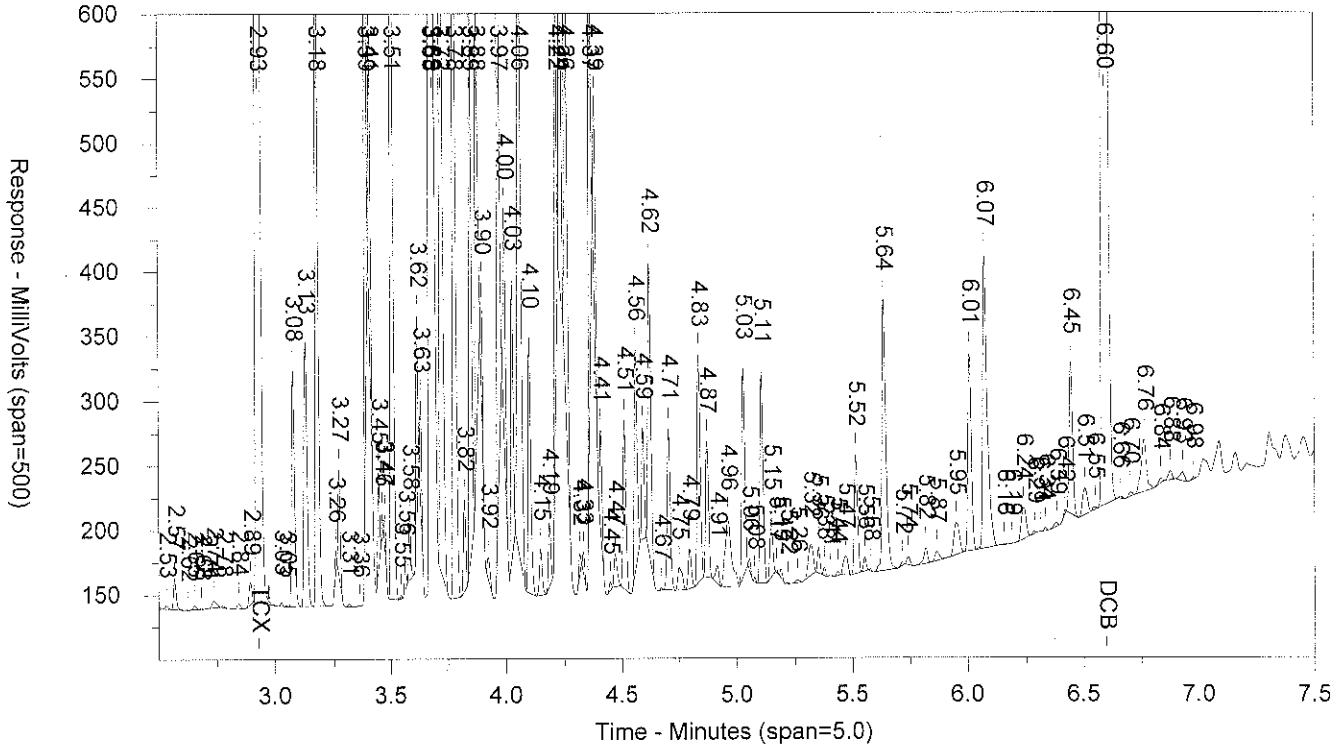

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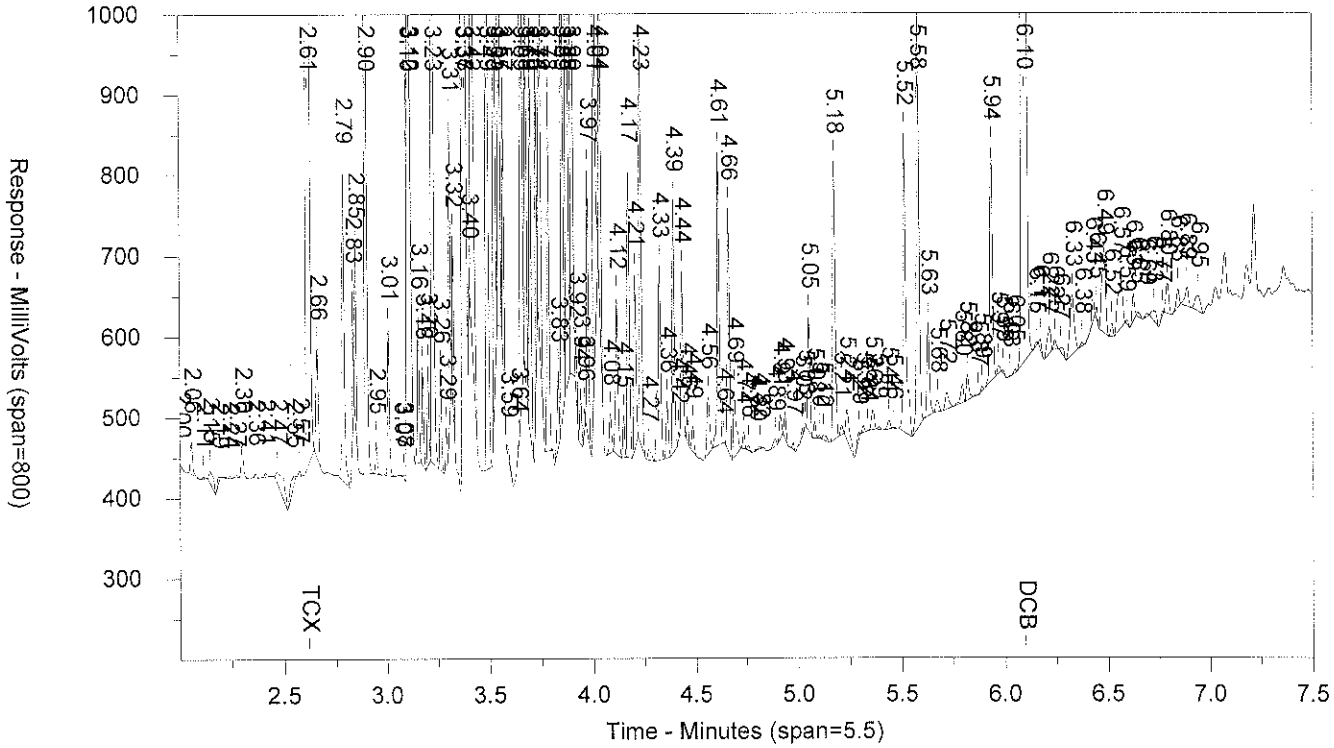

LANCASTER LABORATORIES

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

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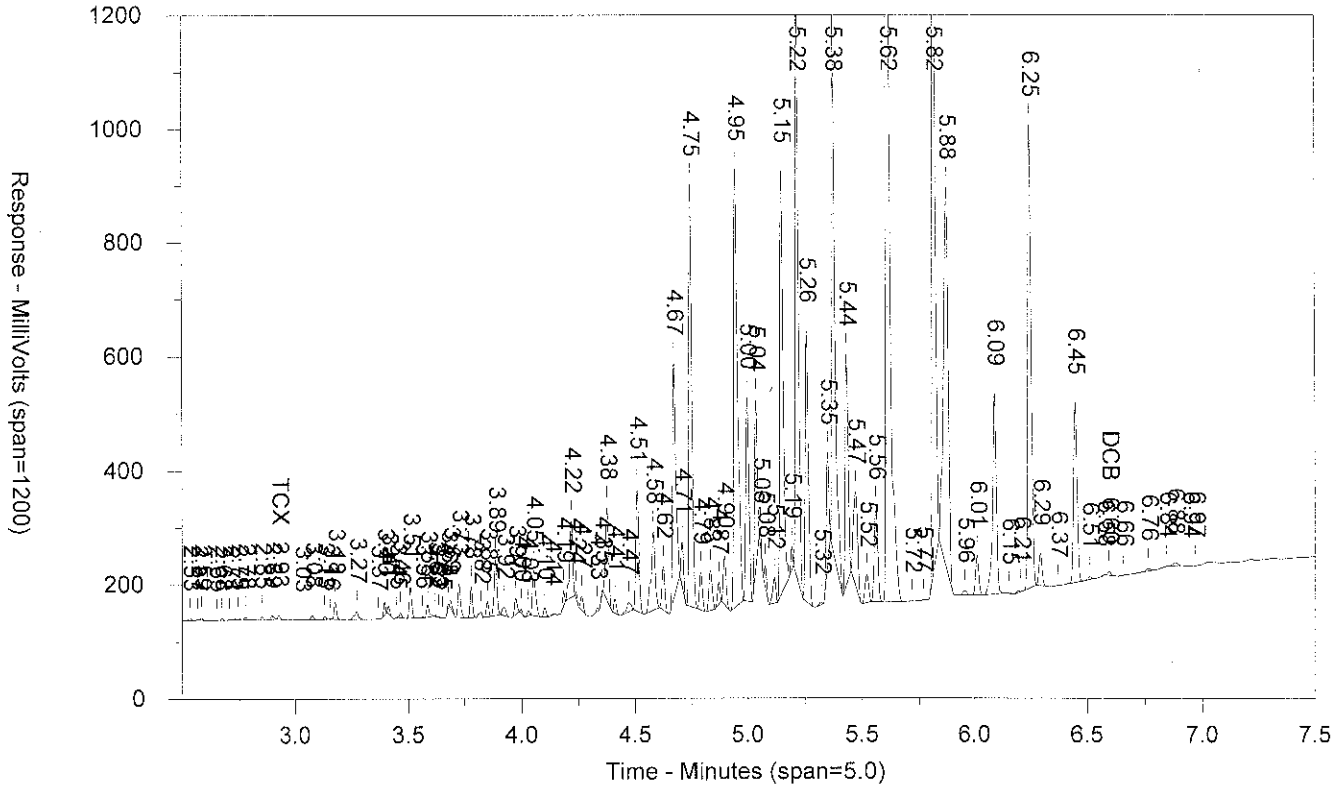

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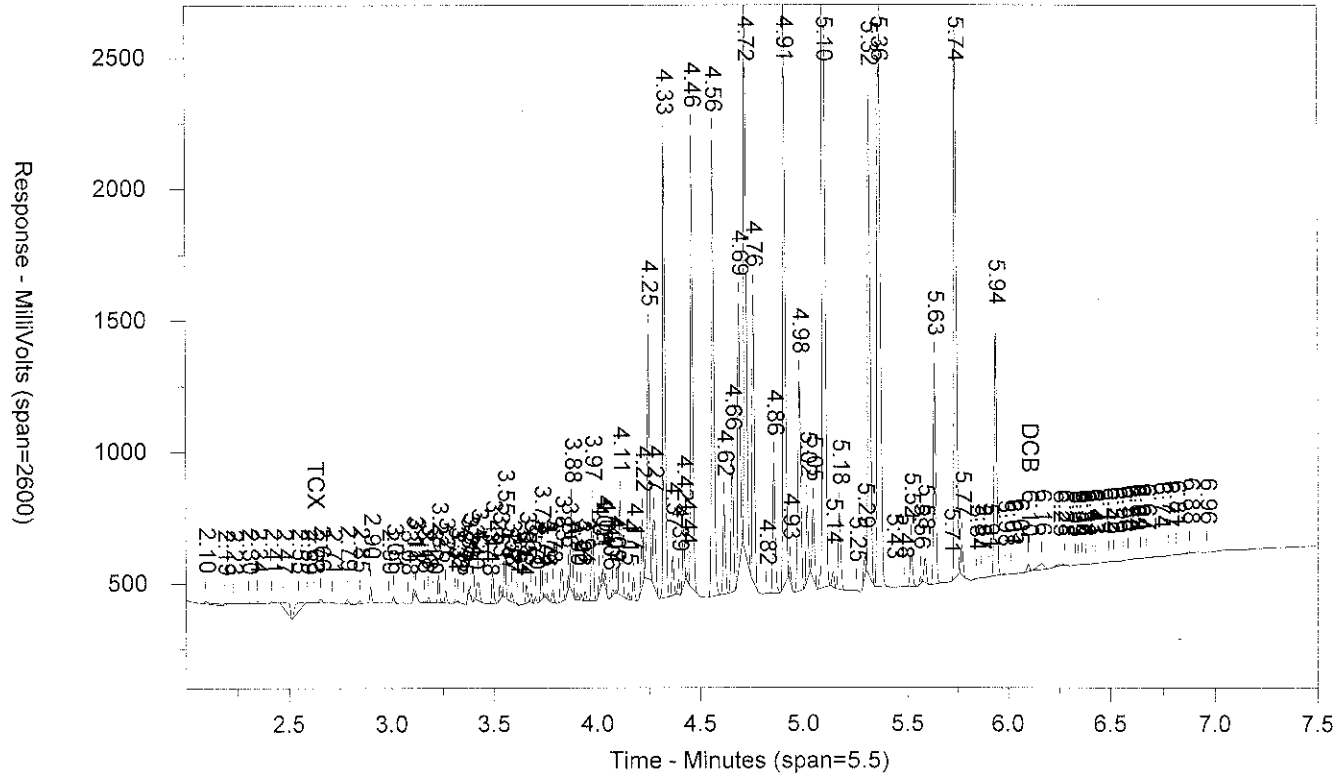

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:22:49 AM 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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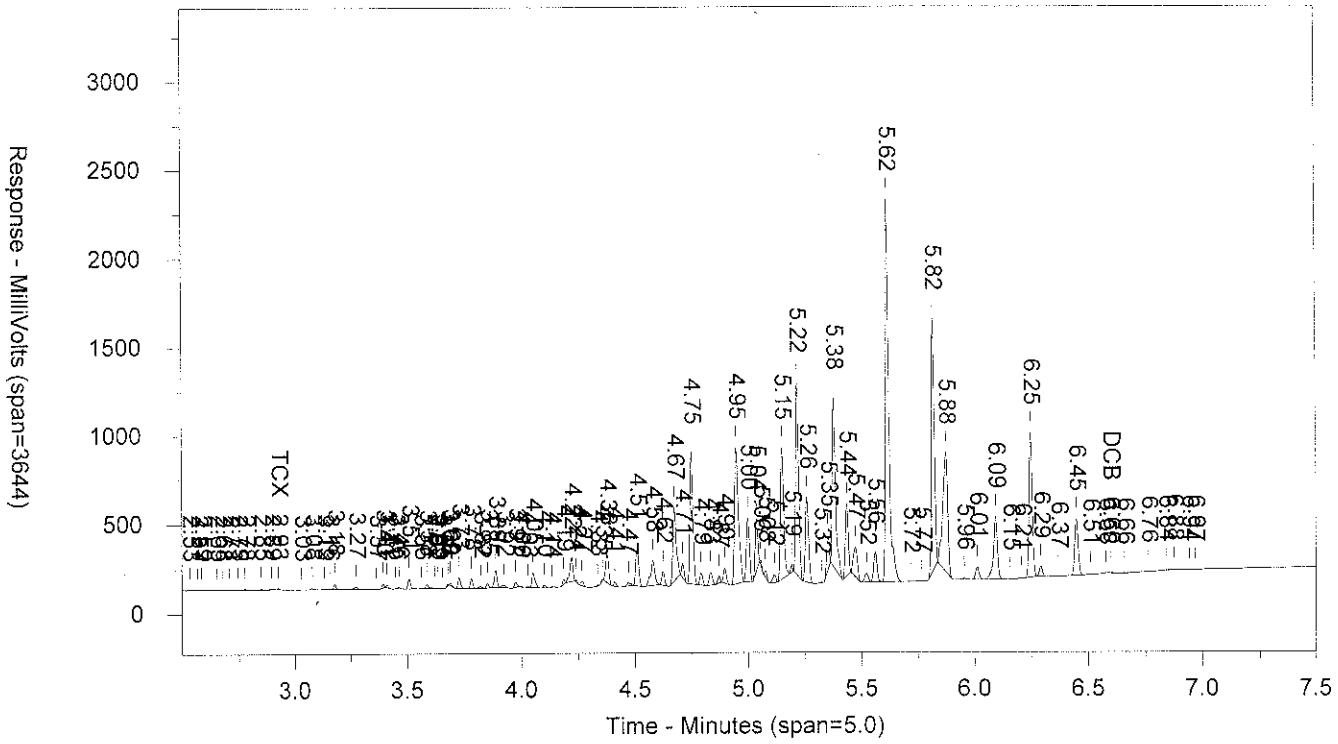

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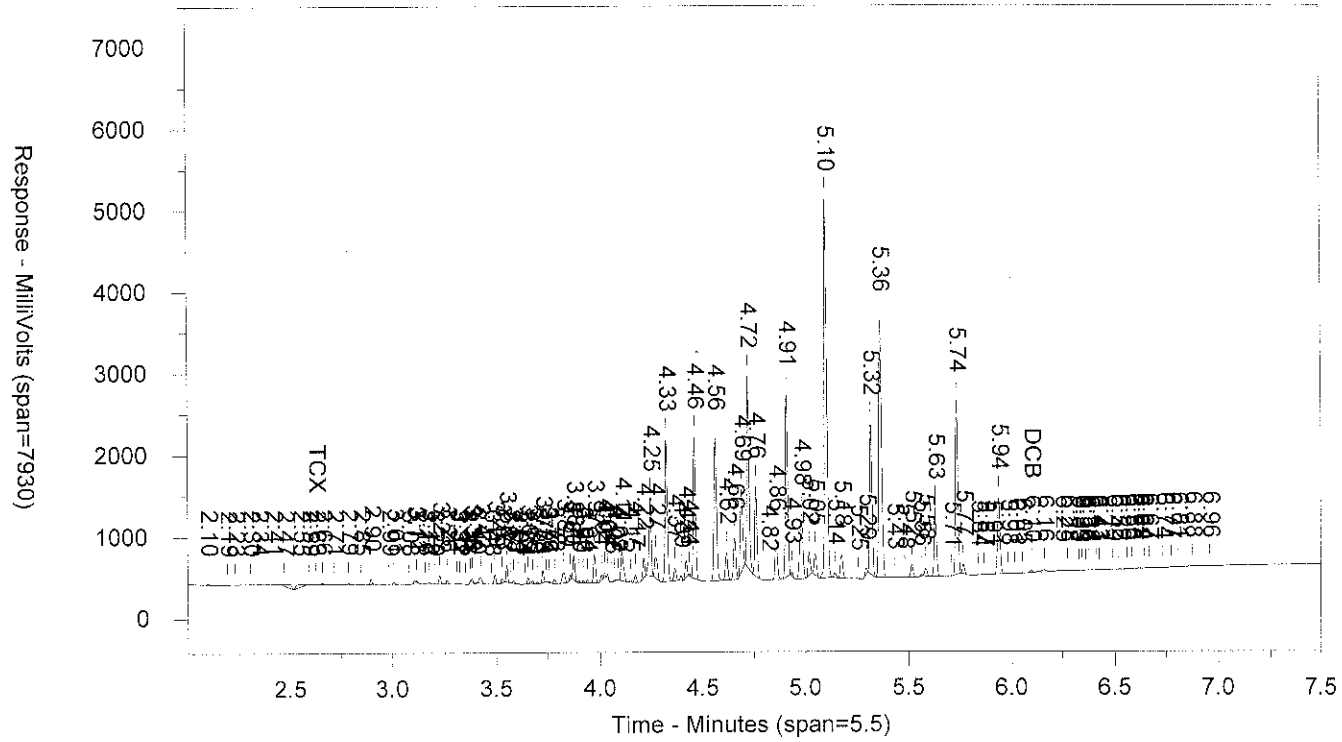

AR6231724A AAAR623AA ICAL 1728399999 10225 SW-846 8082

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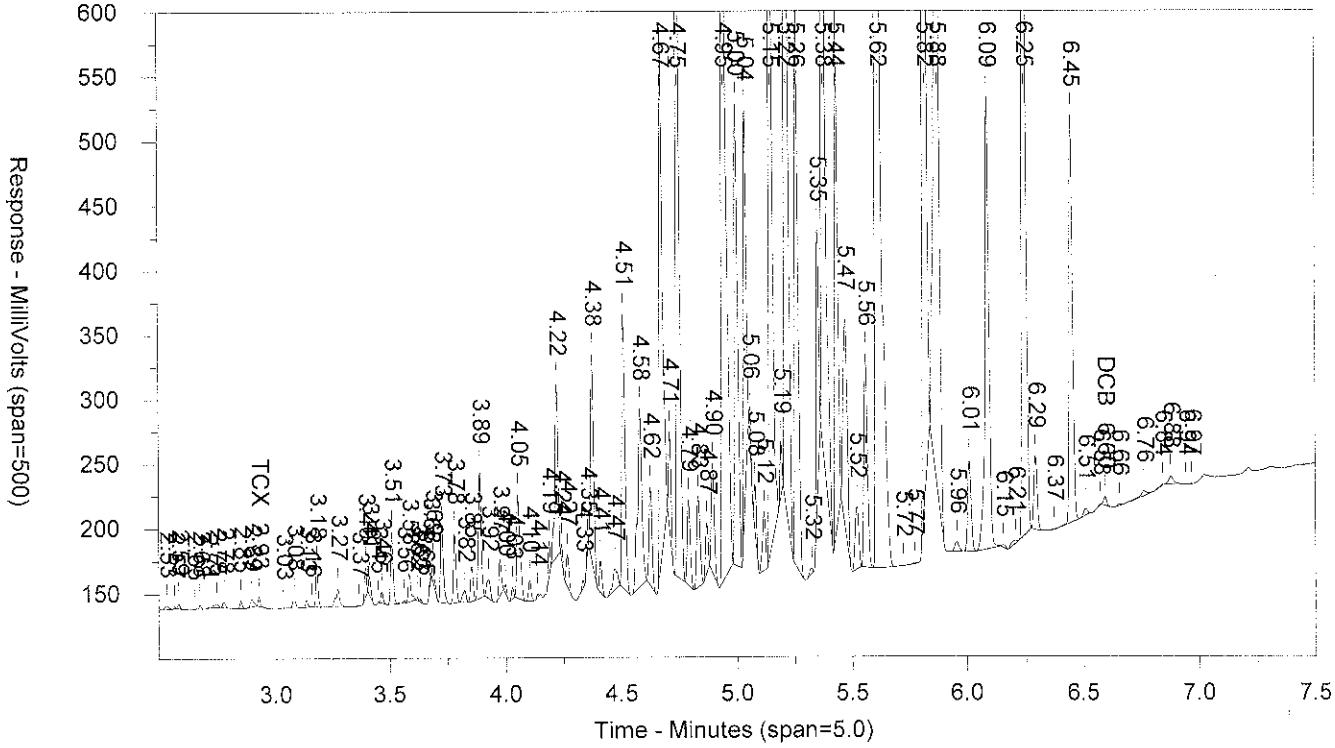

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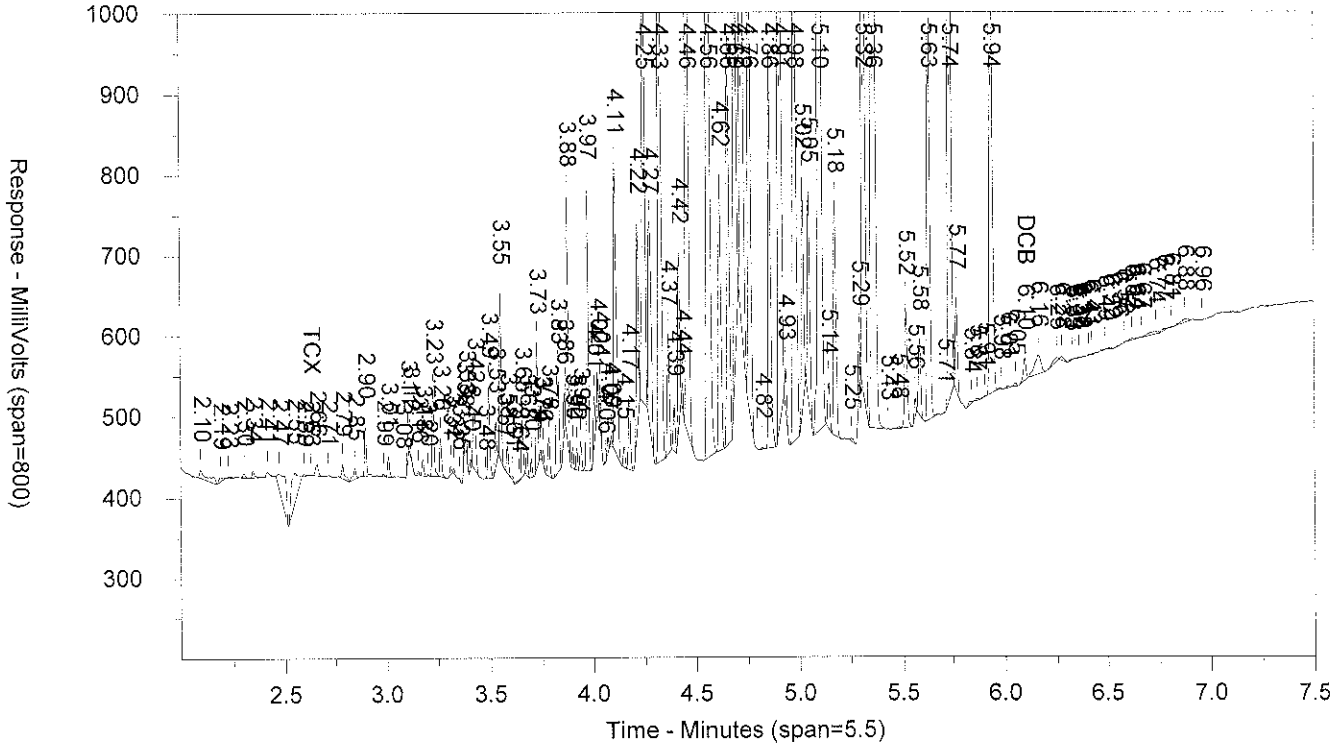

LANCASTER LABORATORIES

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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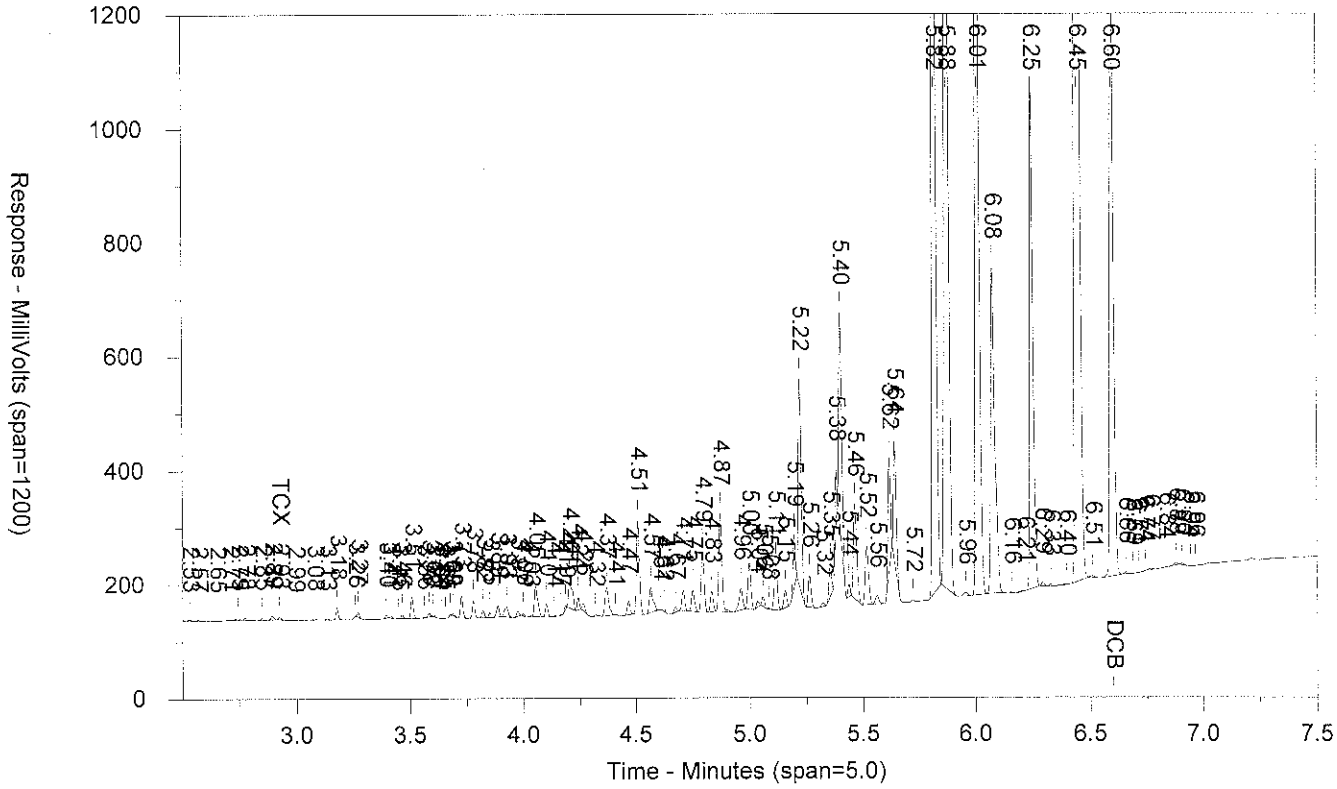

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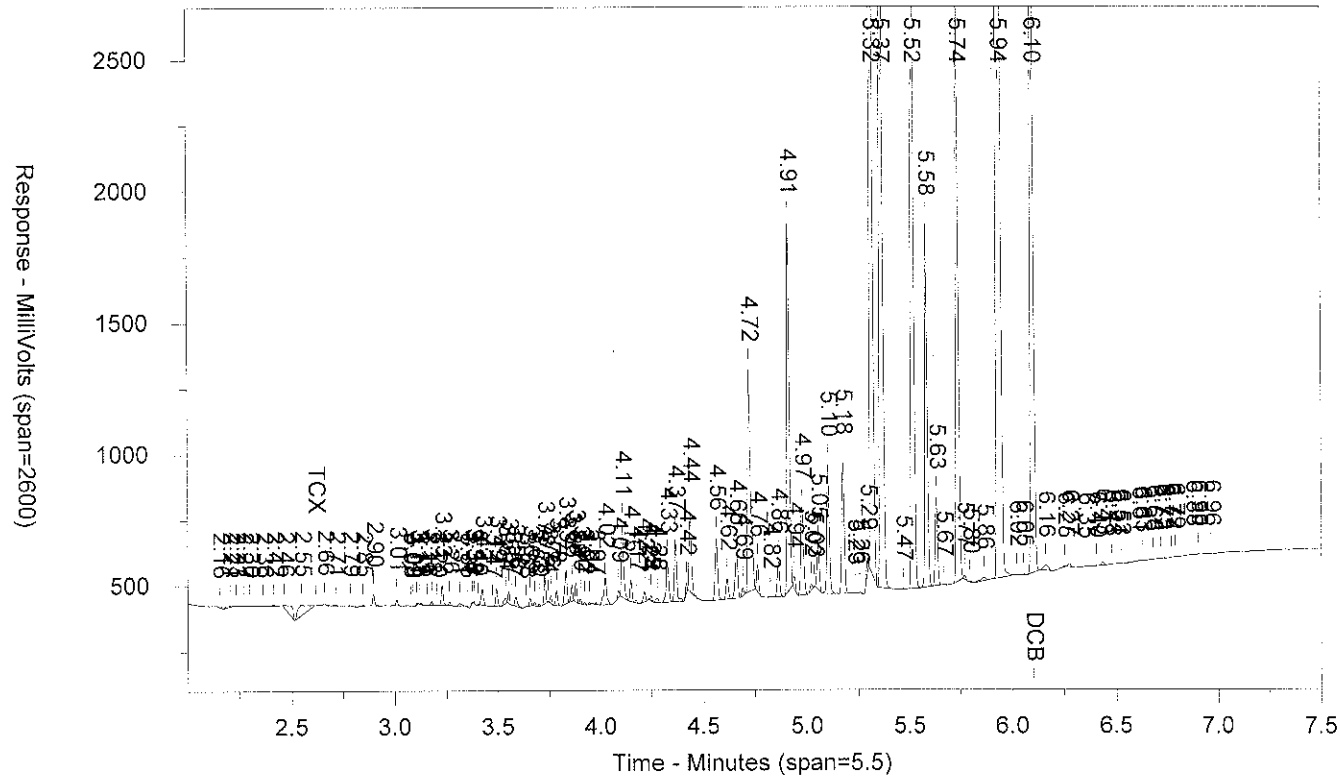

LANCASTER LABORATORIES

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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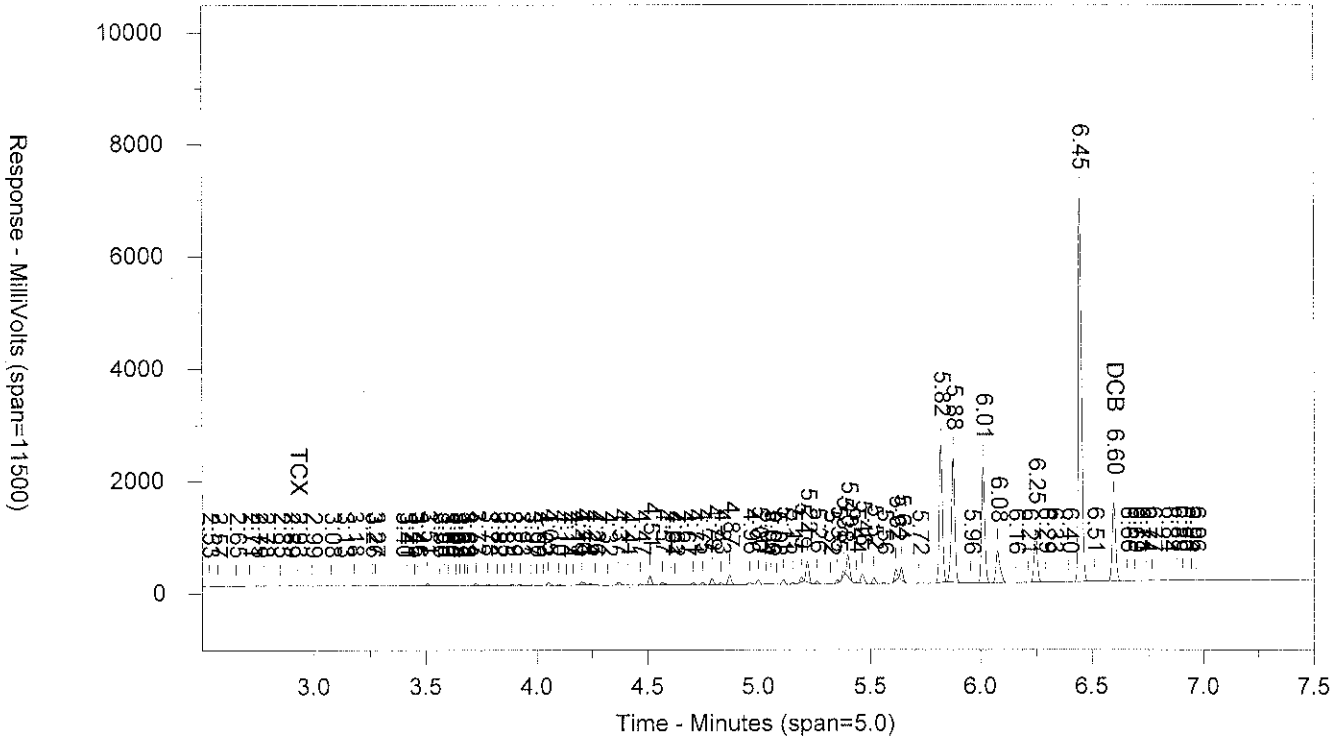

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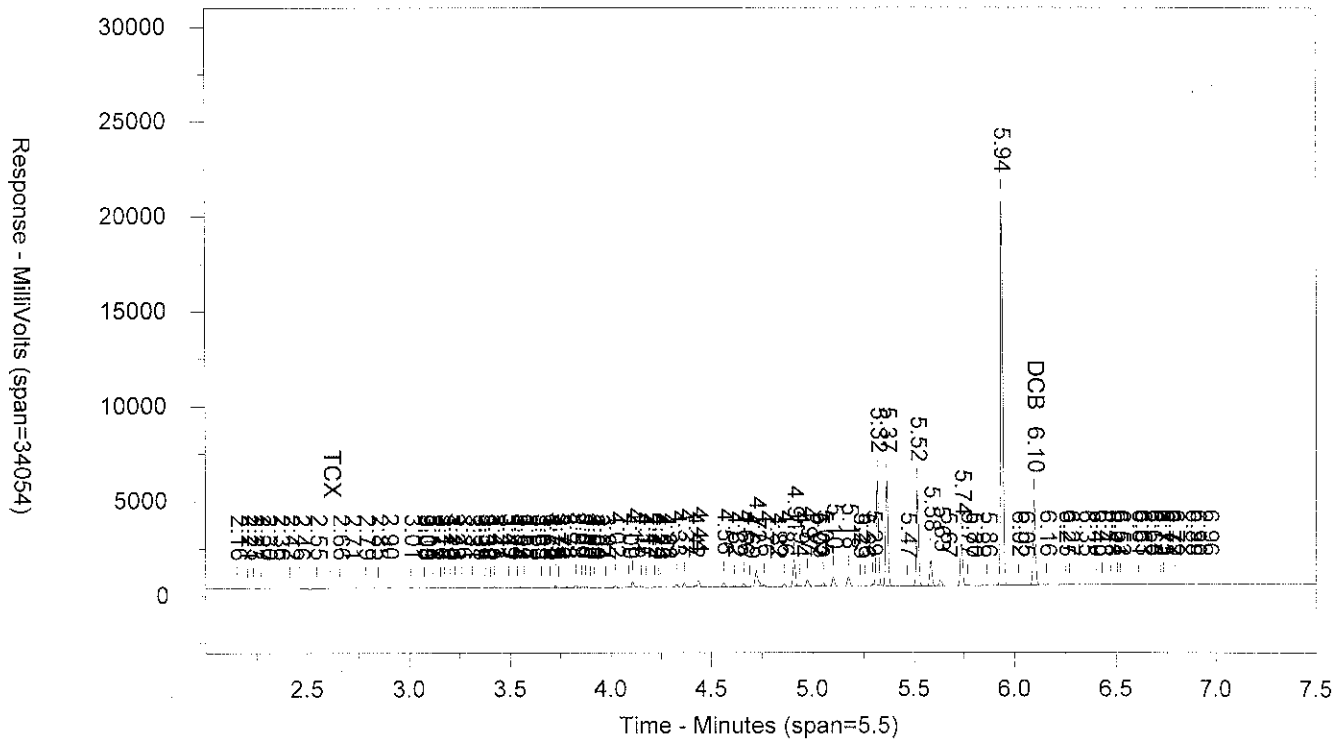

AR6831724B AAAR683AA ICAL 1728399999 10225 SW-846 8082

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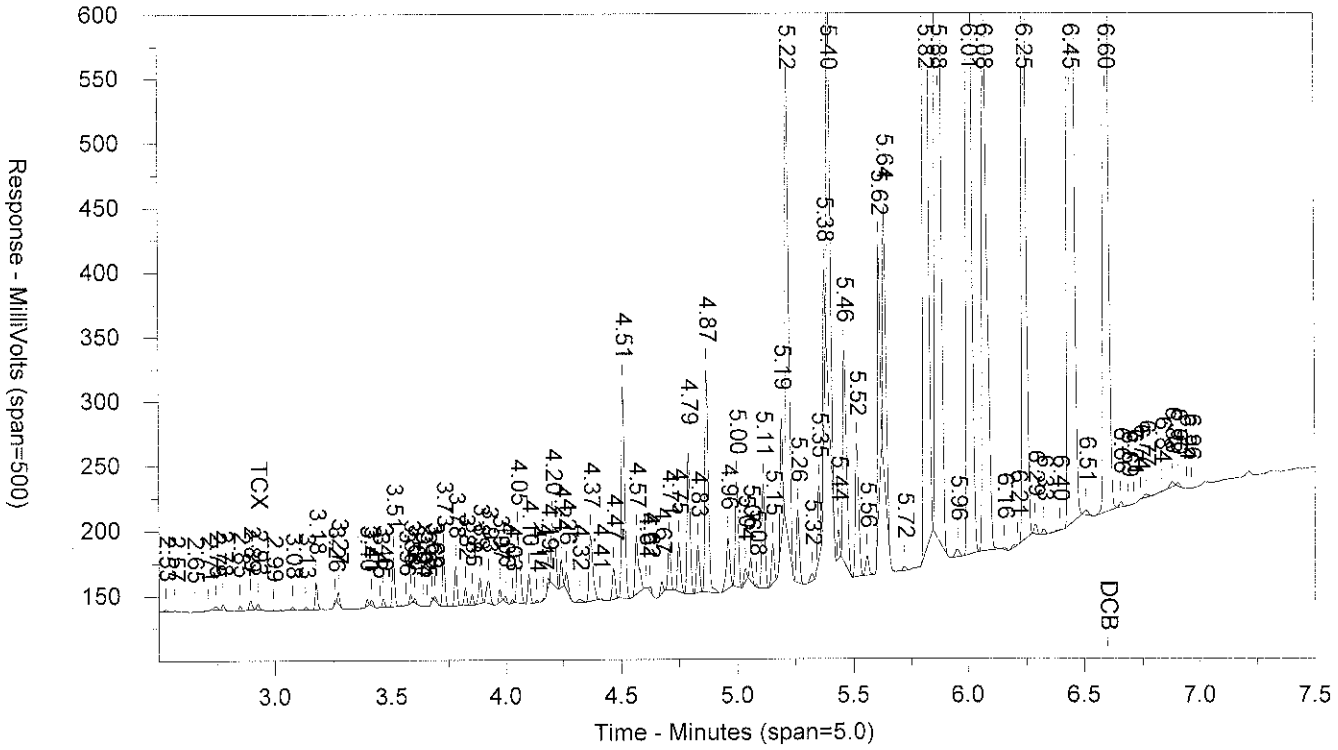

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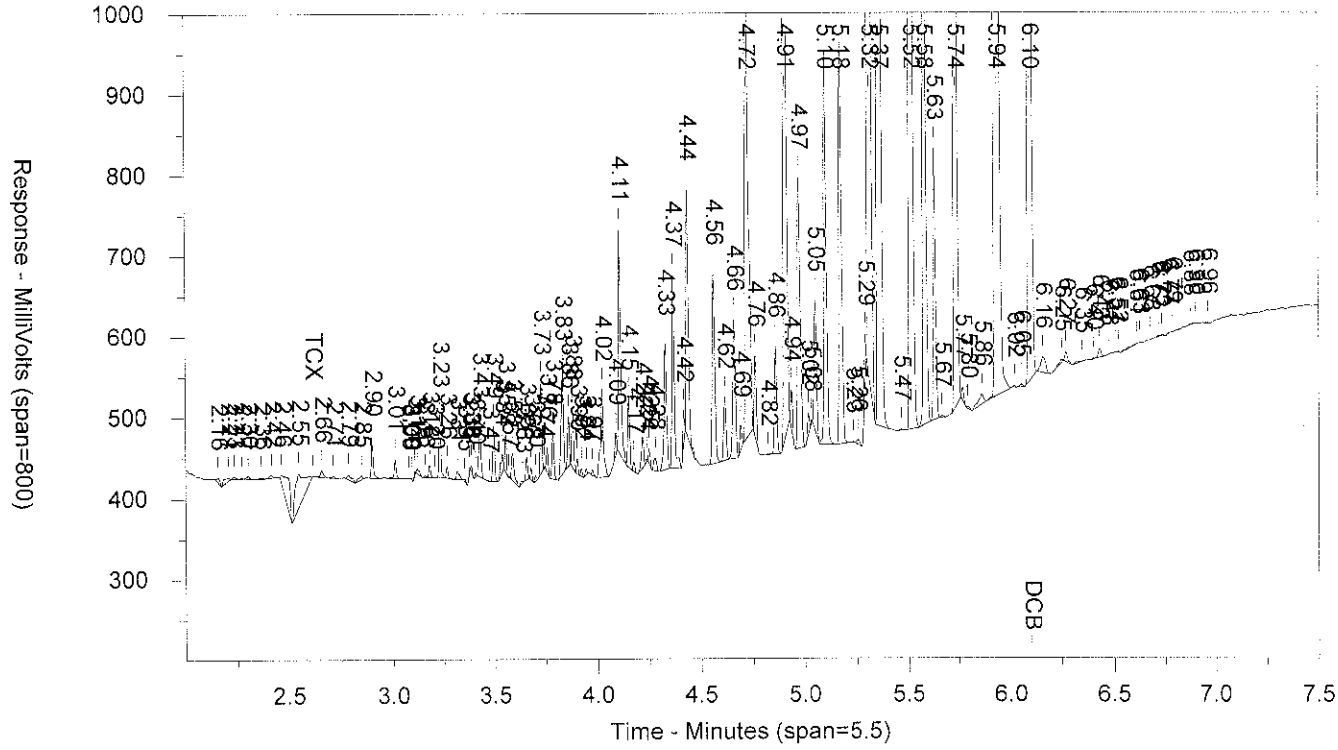

LANCASTER LABORATORIES

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

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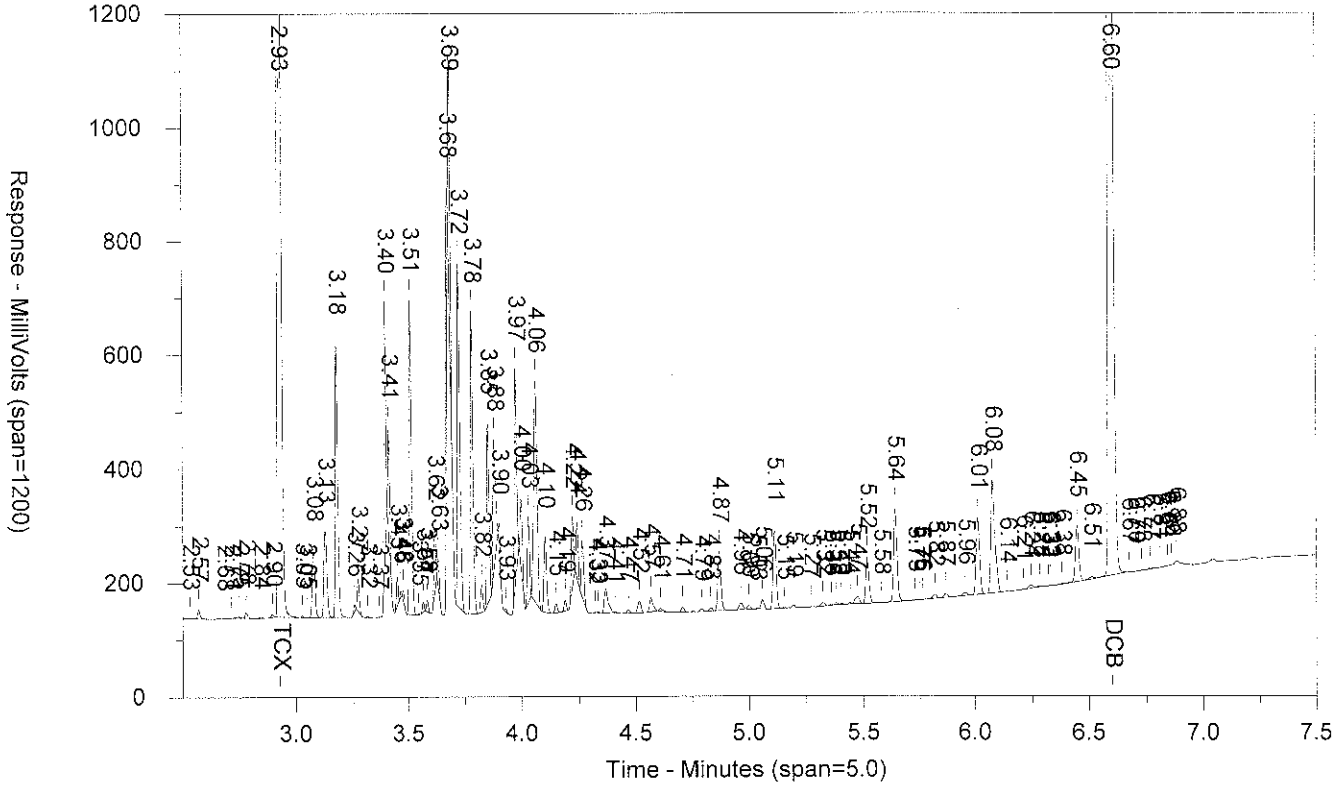

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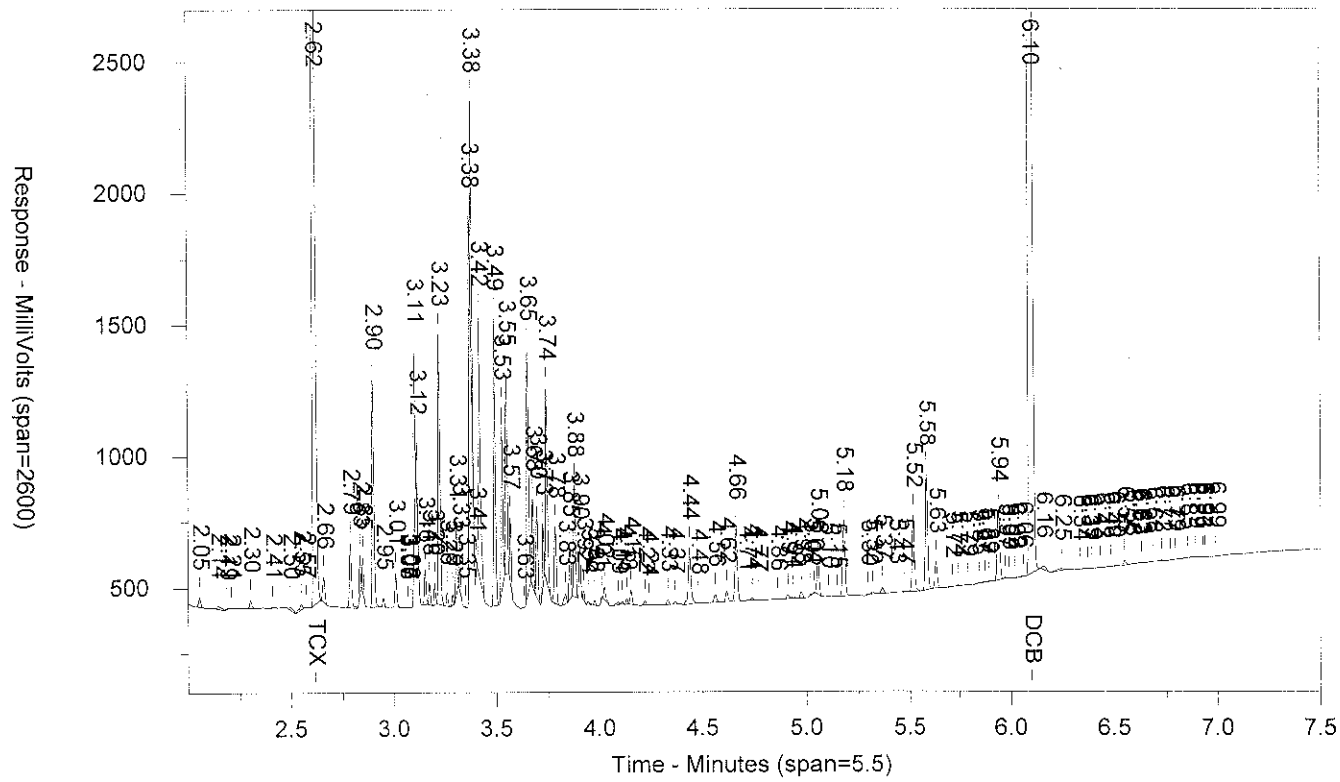


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 2:45:23 AM 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

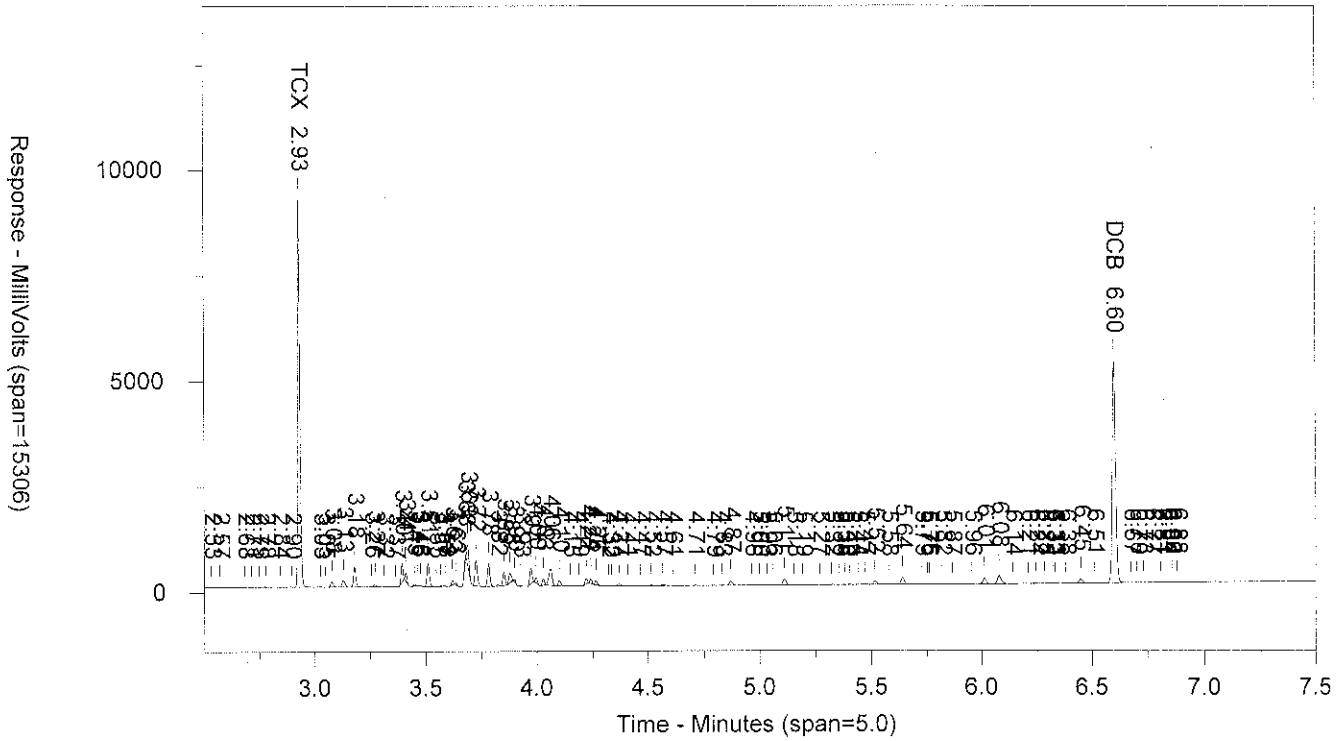
Analyst: 9065

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

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.030.RAW



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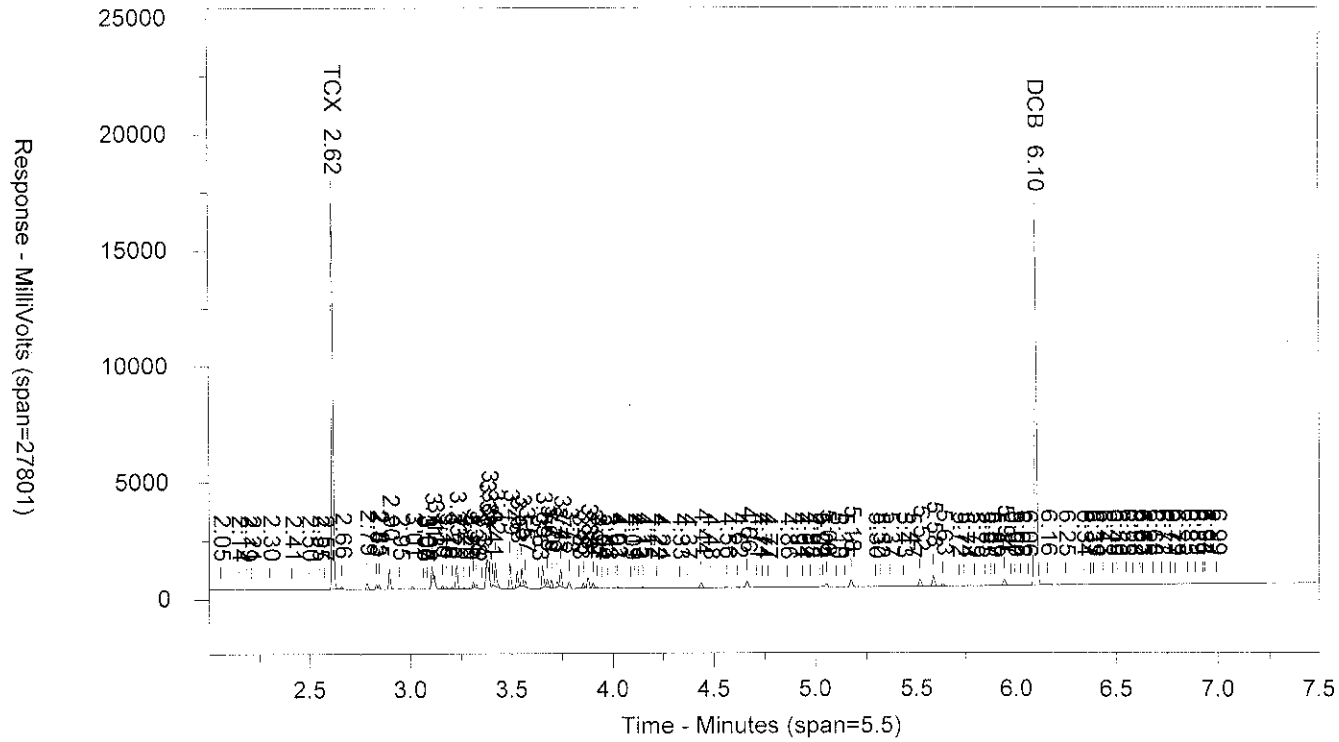

AR16XX1724B AAAR16XAA ICAL 1728399999 10225 SW-846 8082

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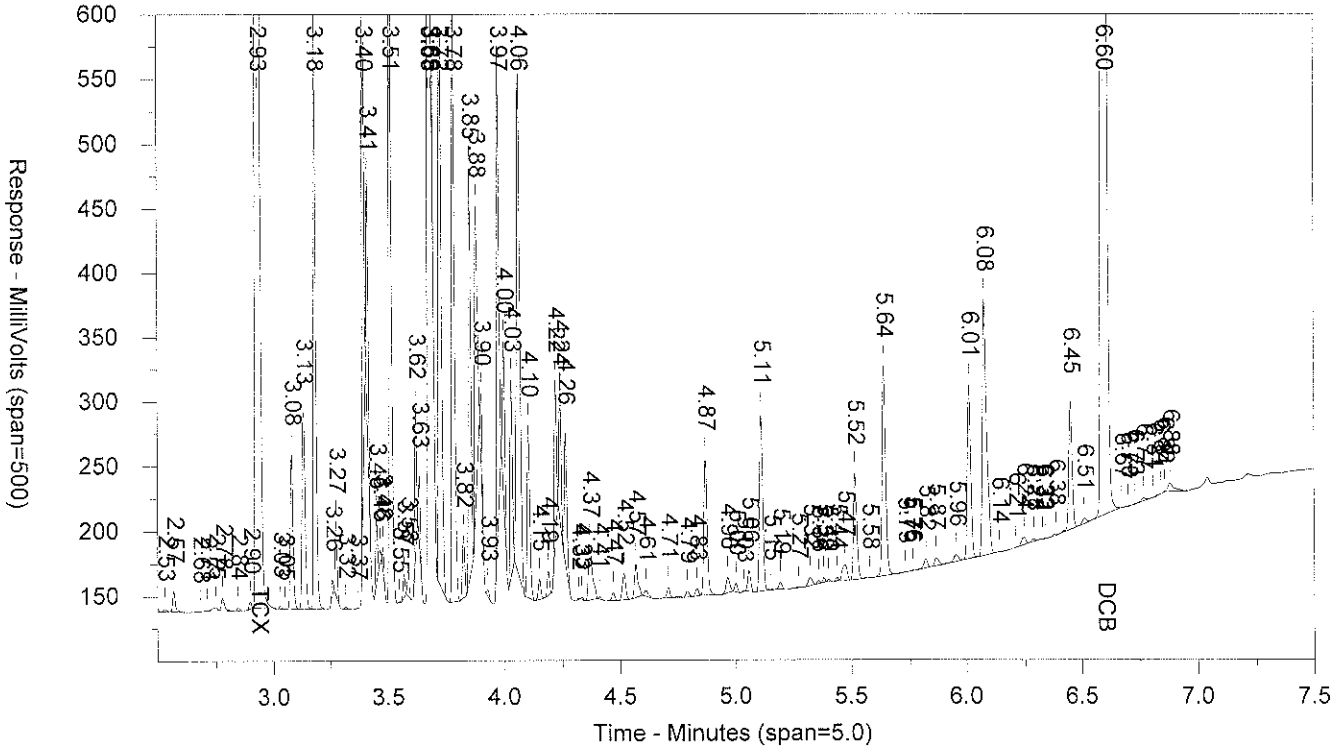

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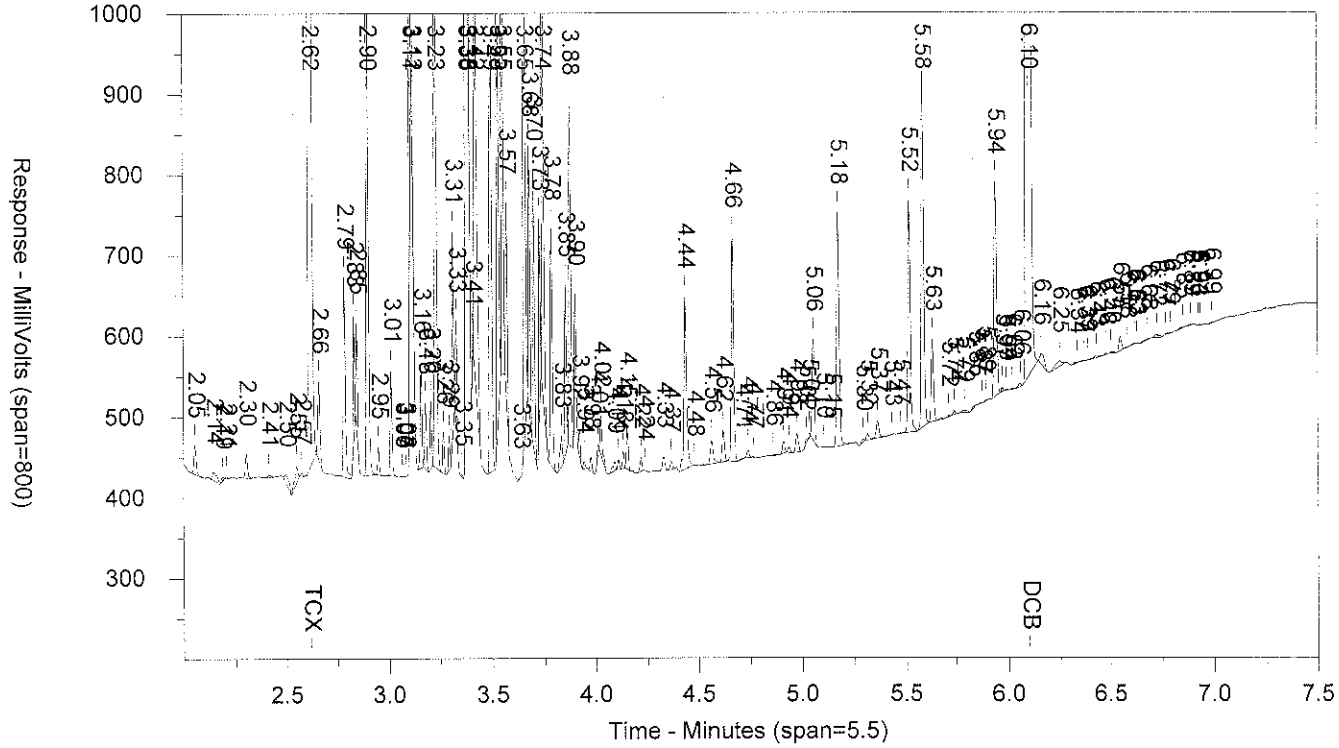

LANCASTER LABORATORIES

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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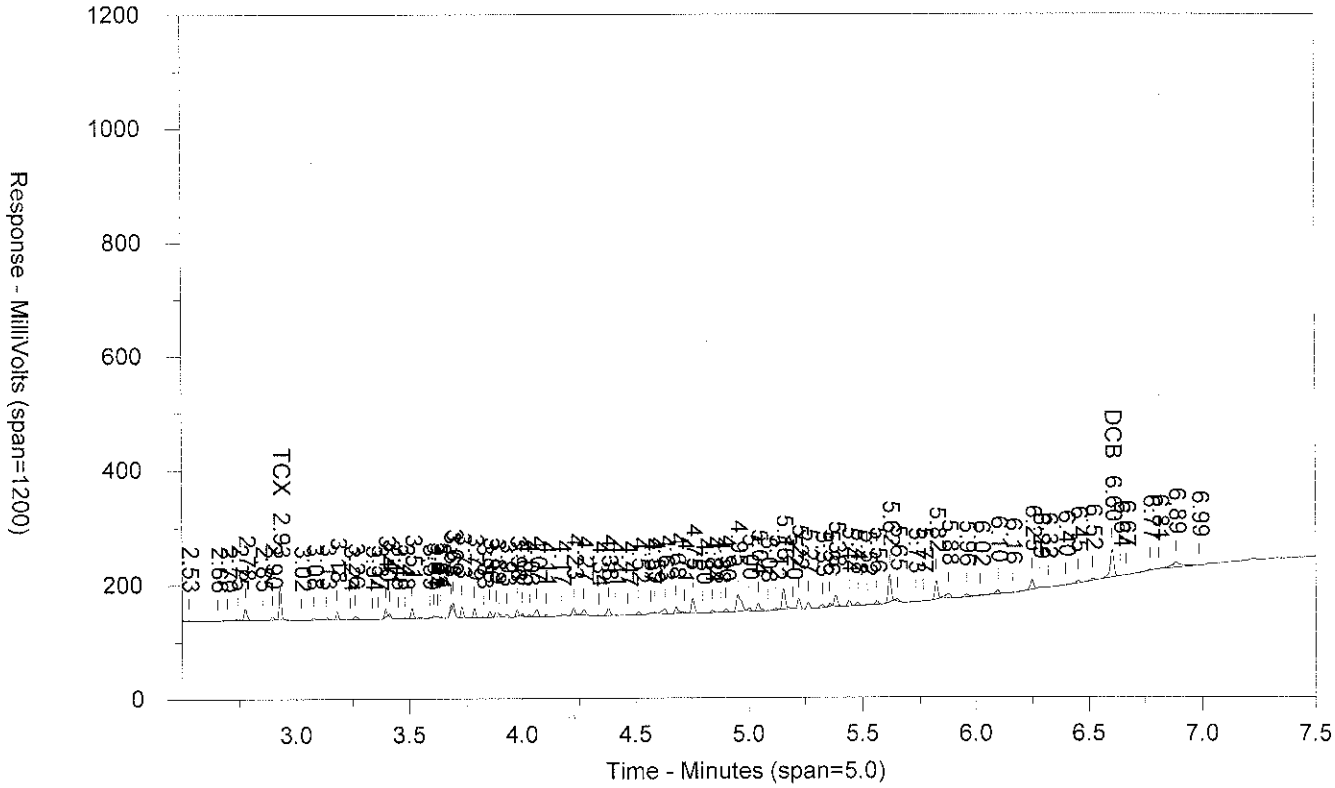

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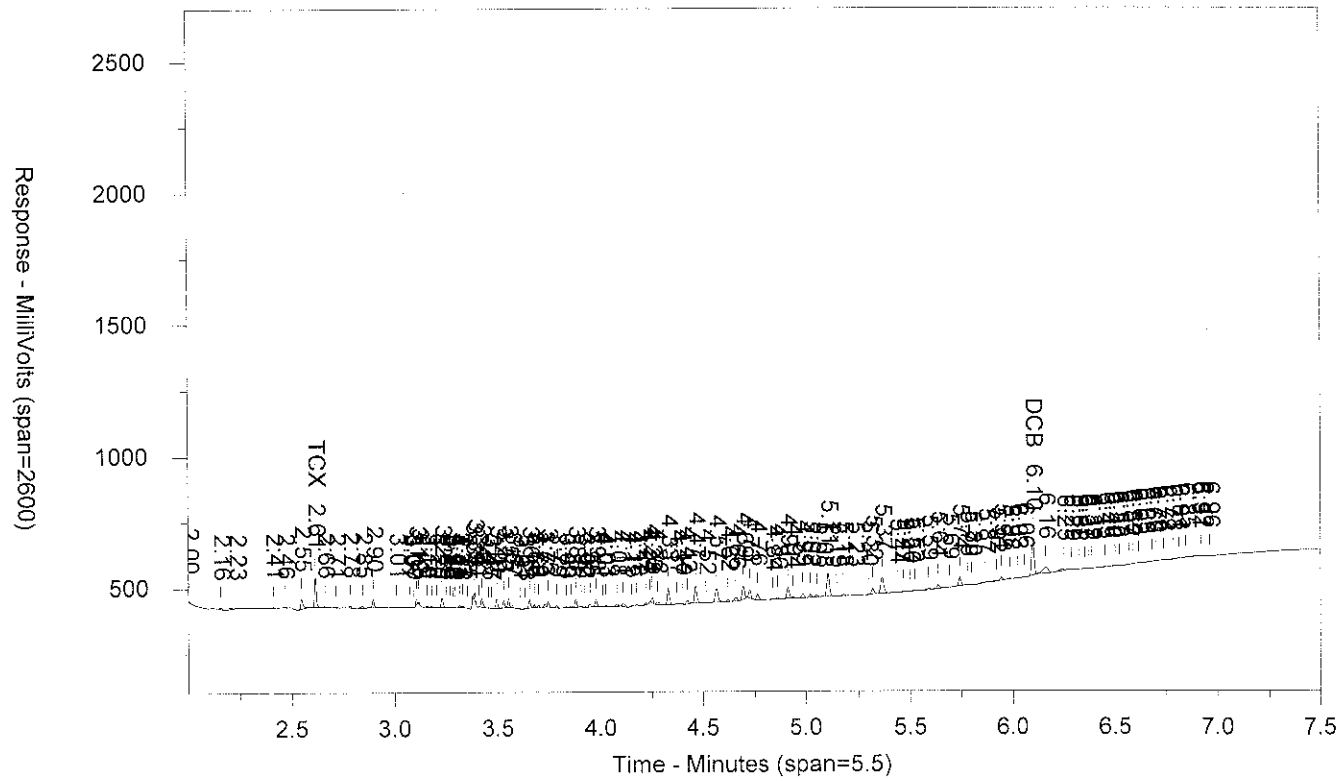


LANCASTER LABORATORIES

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

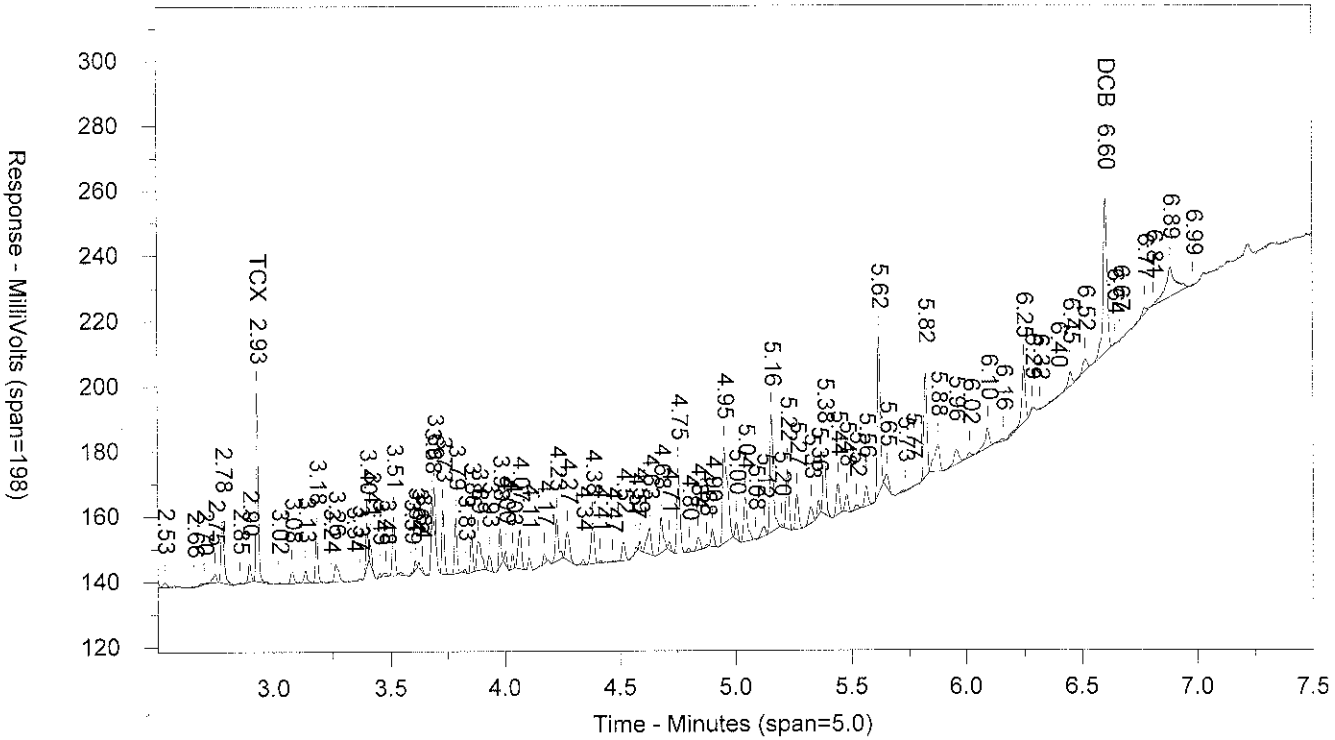
Analyst: 9065

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

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17284001.031.RAW



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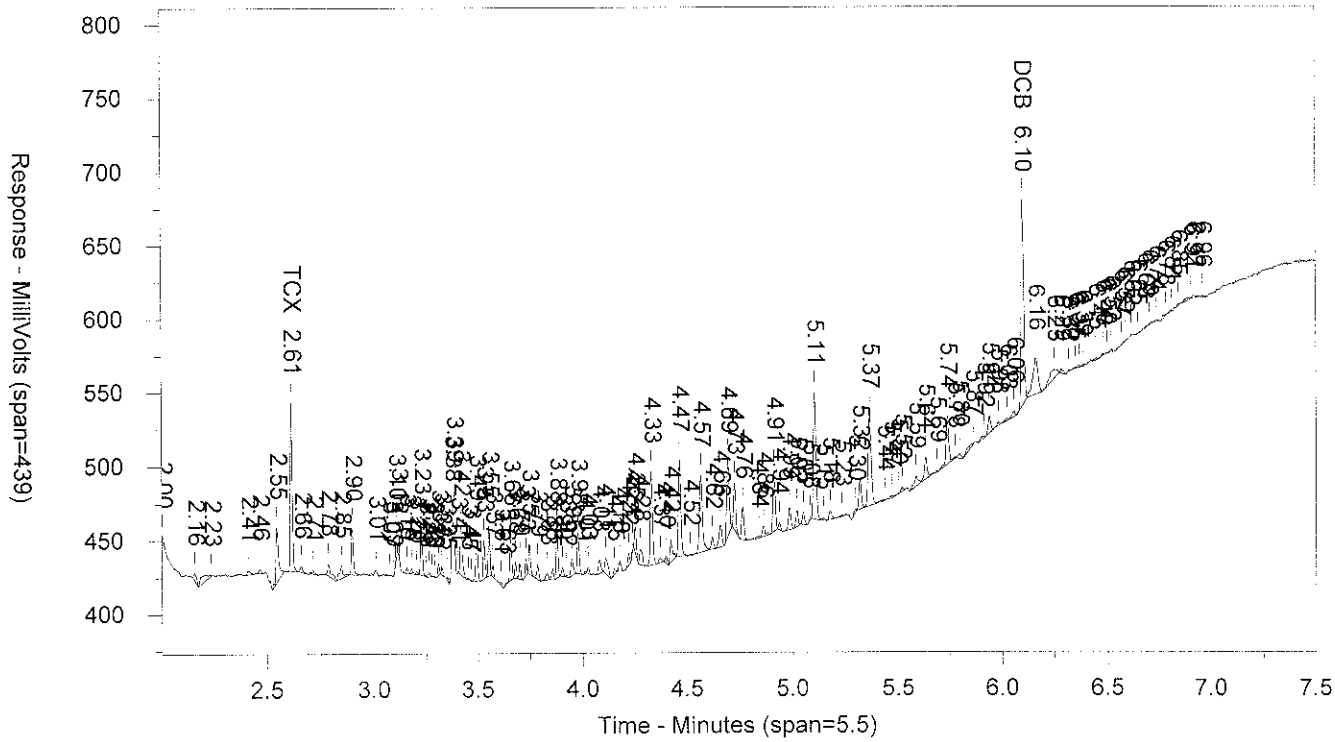

MD16X1724B AAMD16XAA ICAL 1728399999 10225 SW-846 8082

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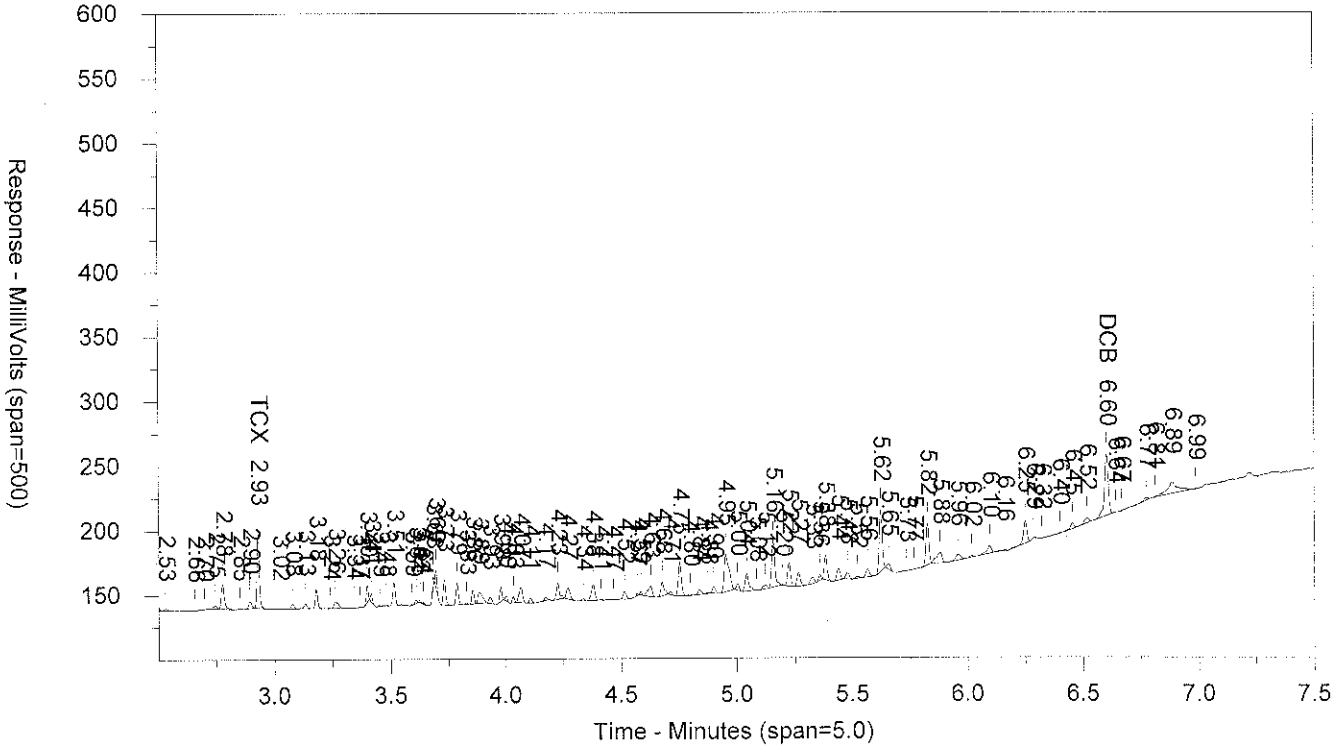

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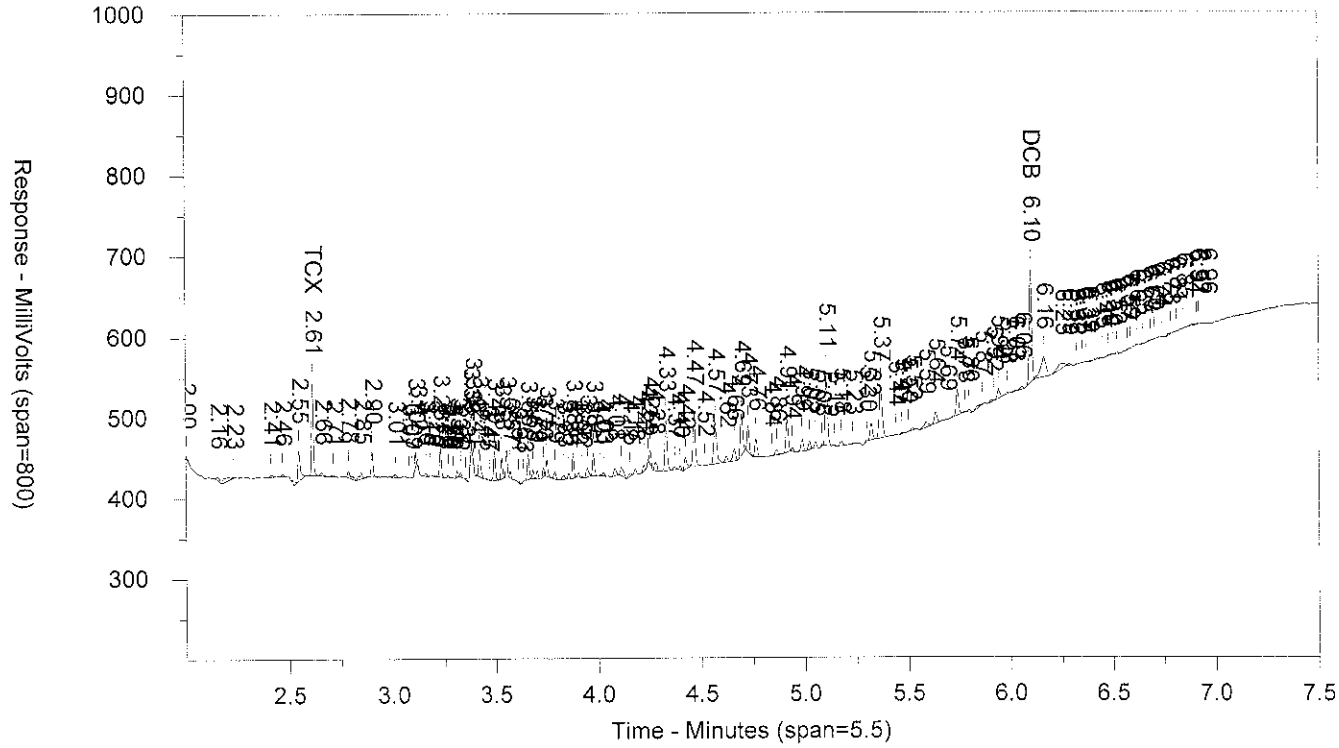

LANCASTER LABORATORIES

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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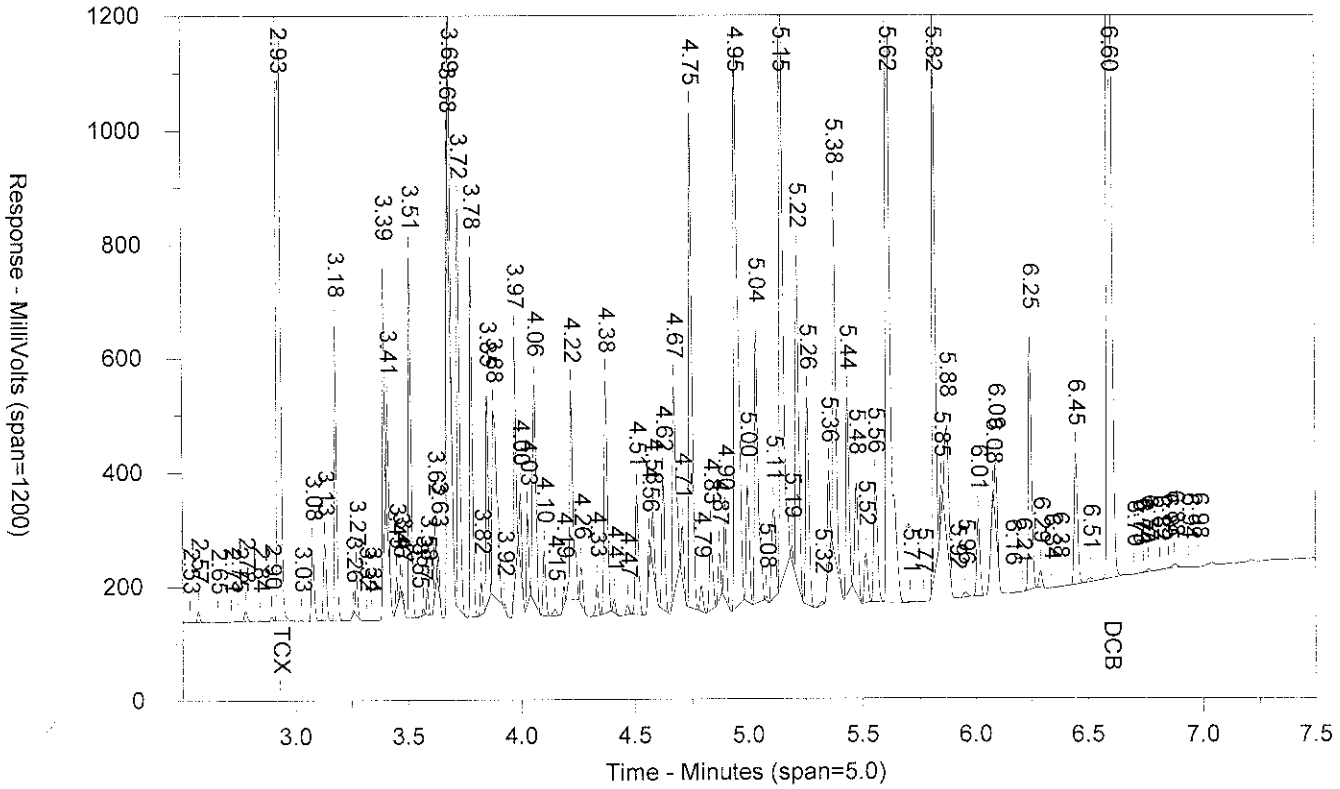

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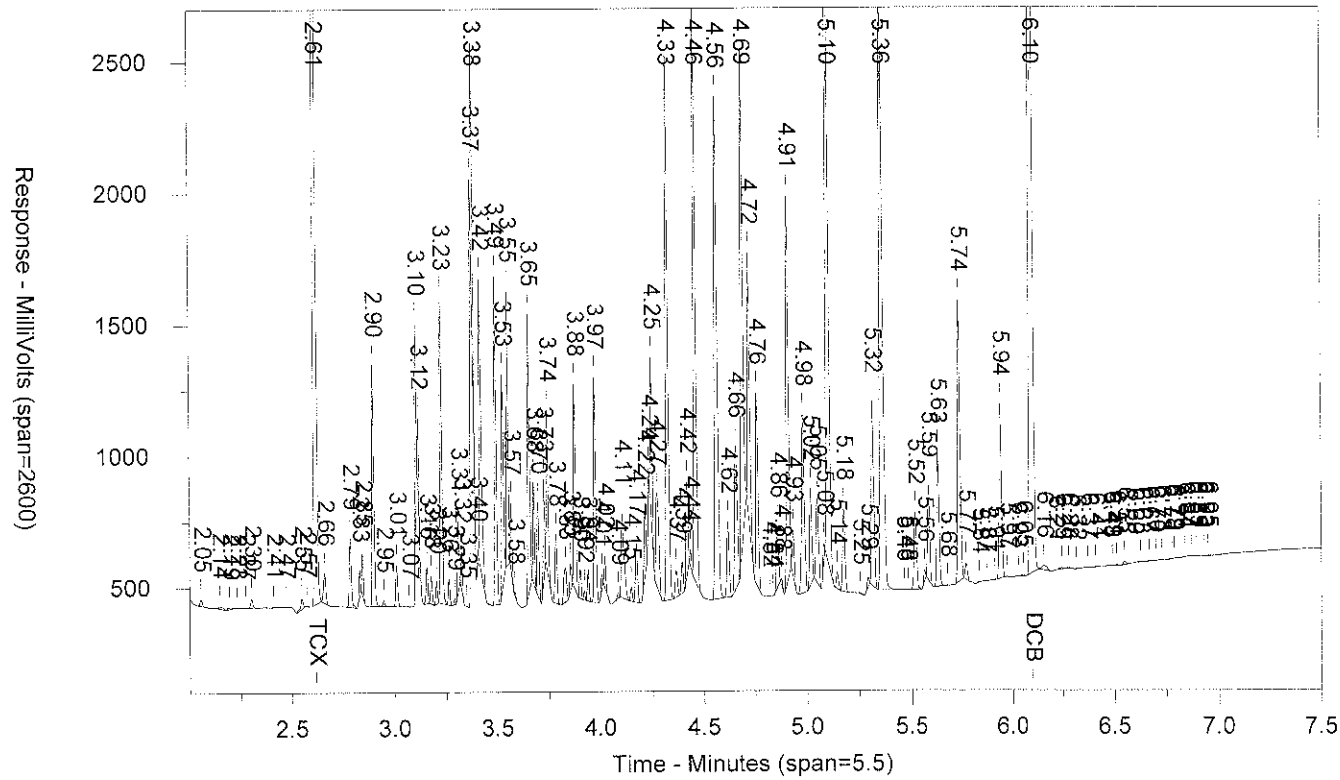

LANCASTER LABORATORIES

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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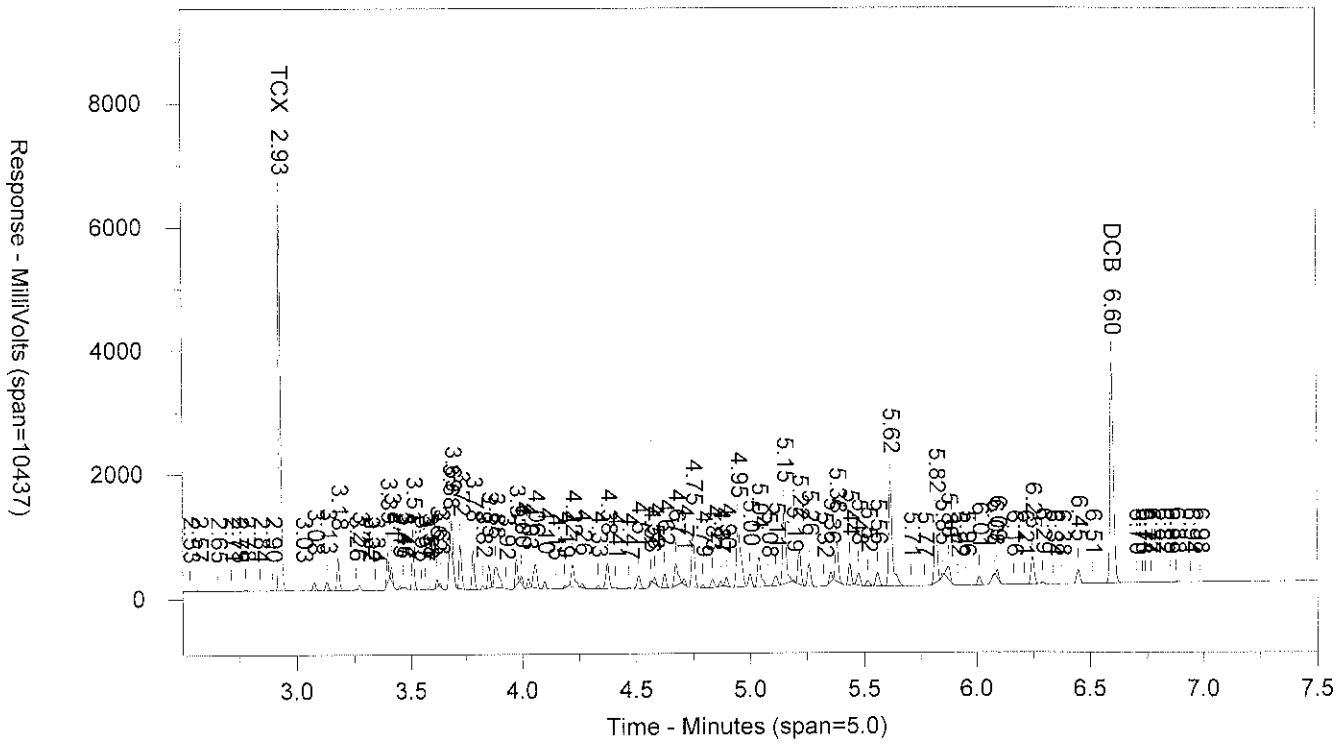

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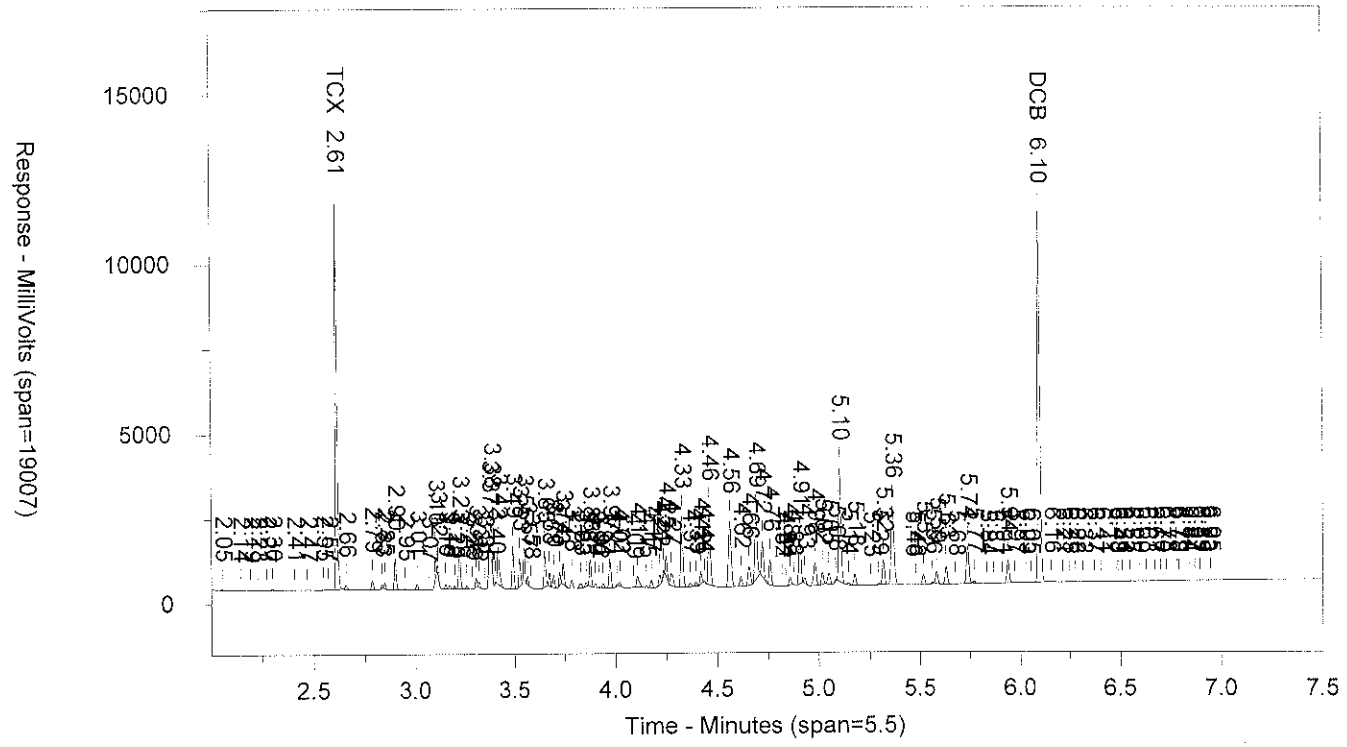

IC16X1724C AAIC16XAA CCAL 1728399999 10225 SW-846 8082

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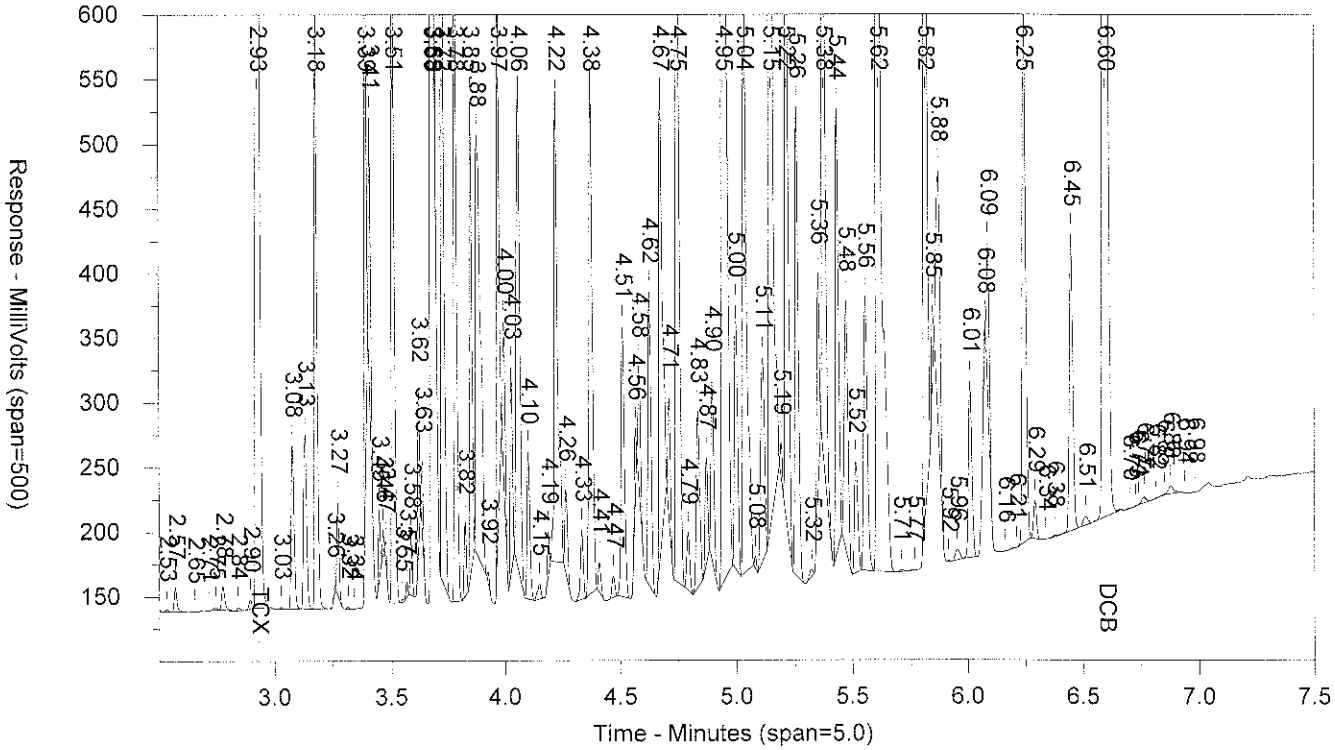

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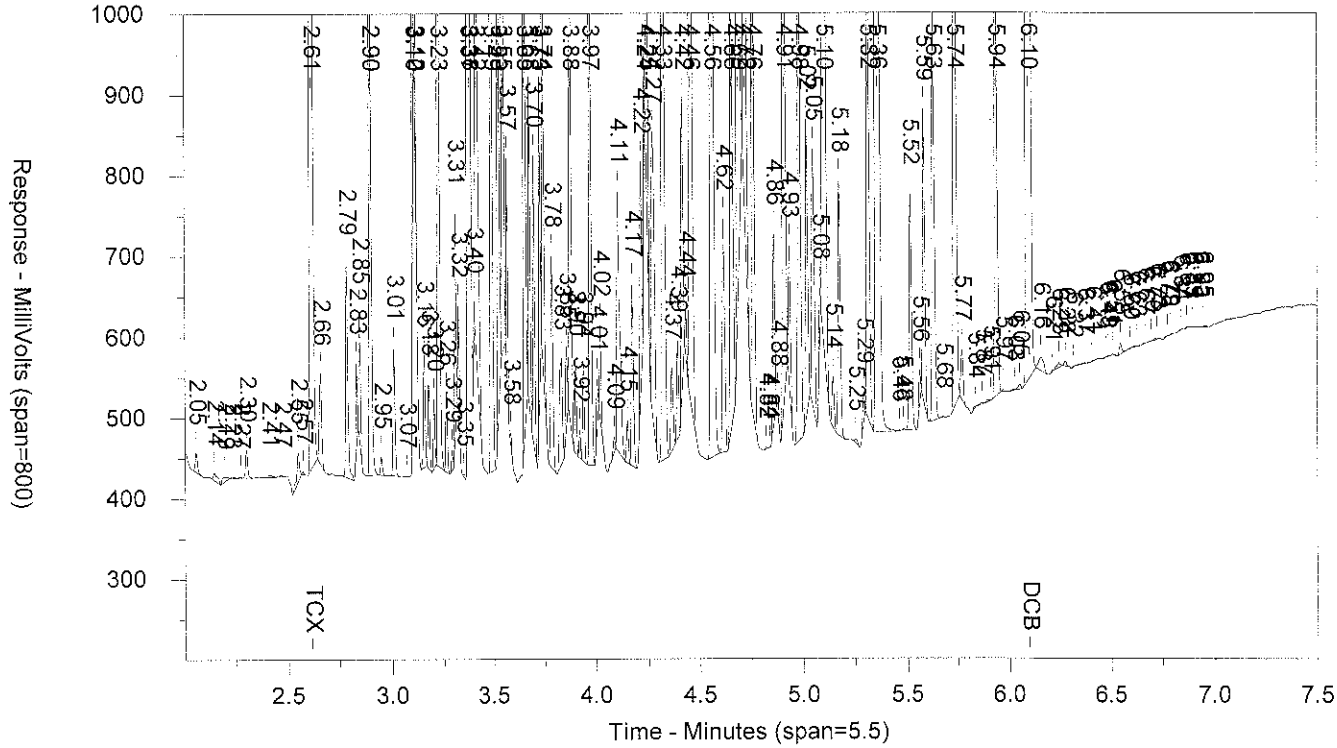

LANCASTER LABORATORIES

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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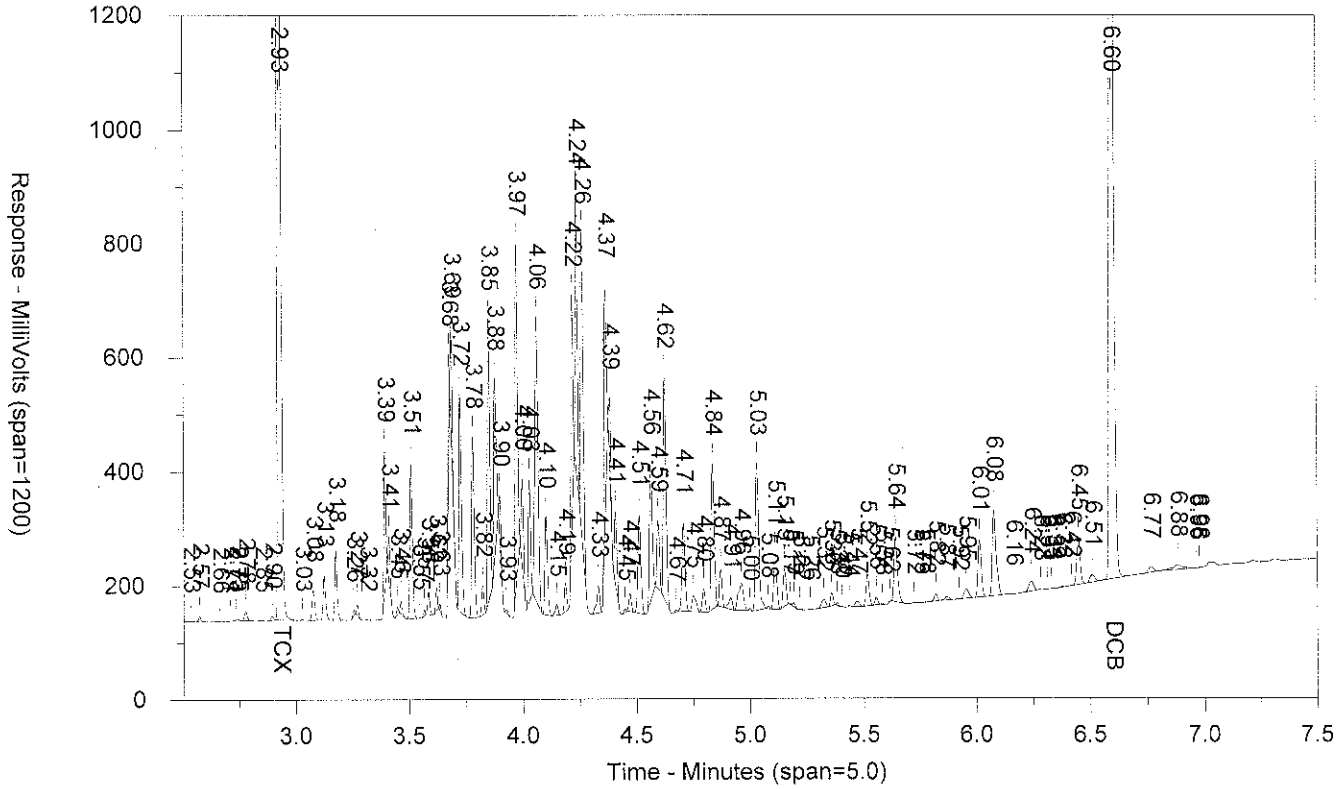

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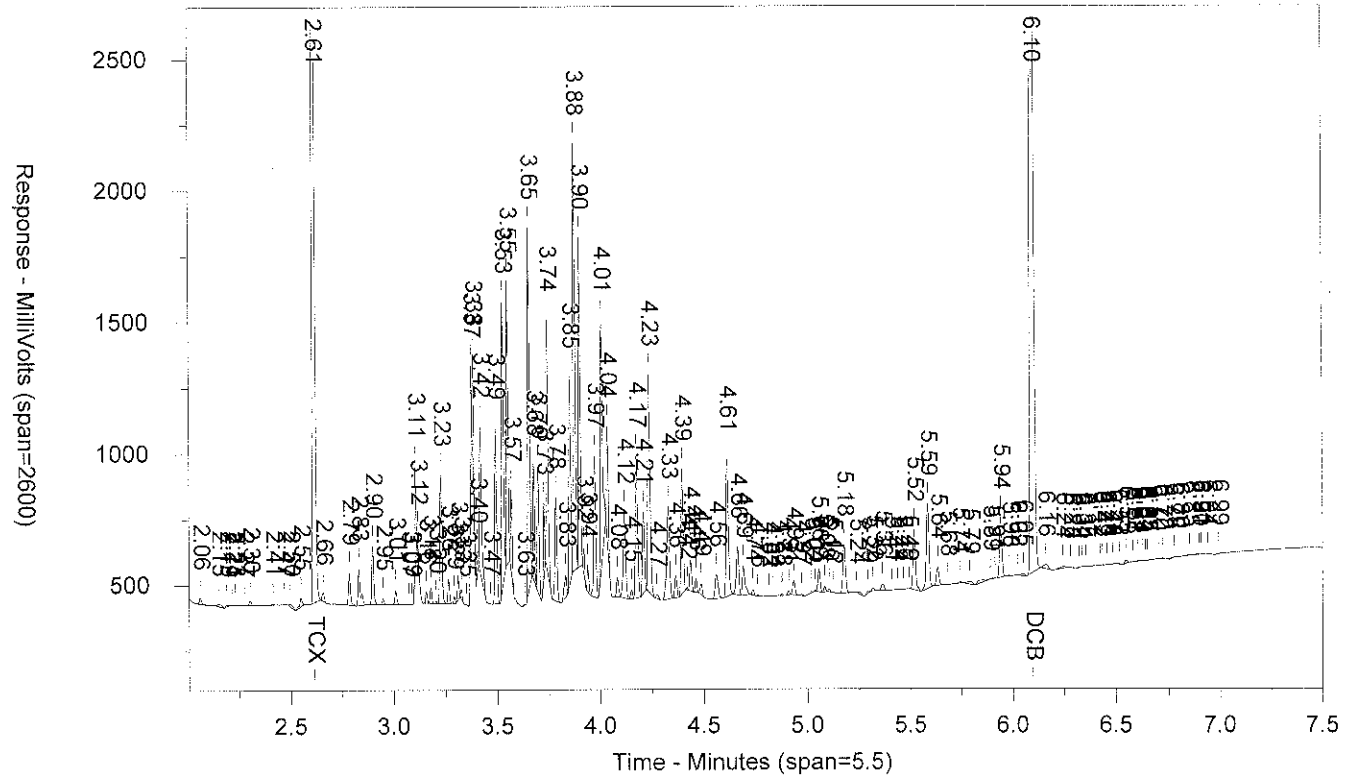

LANCASTER LABORATORIES

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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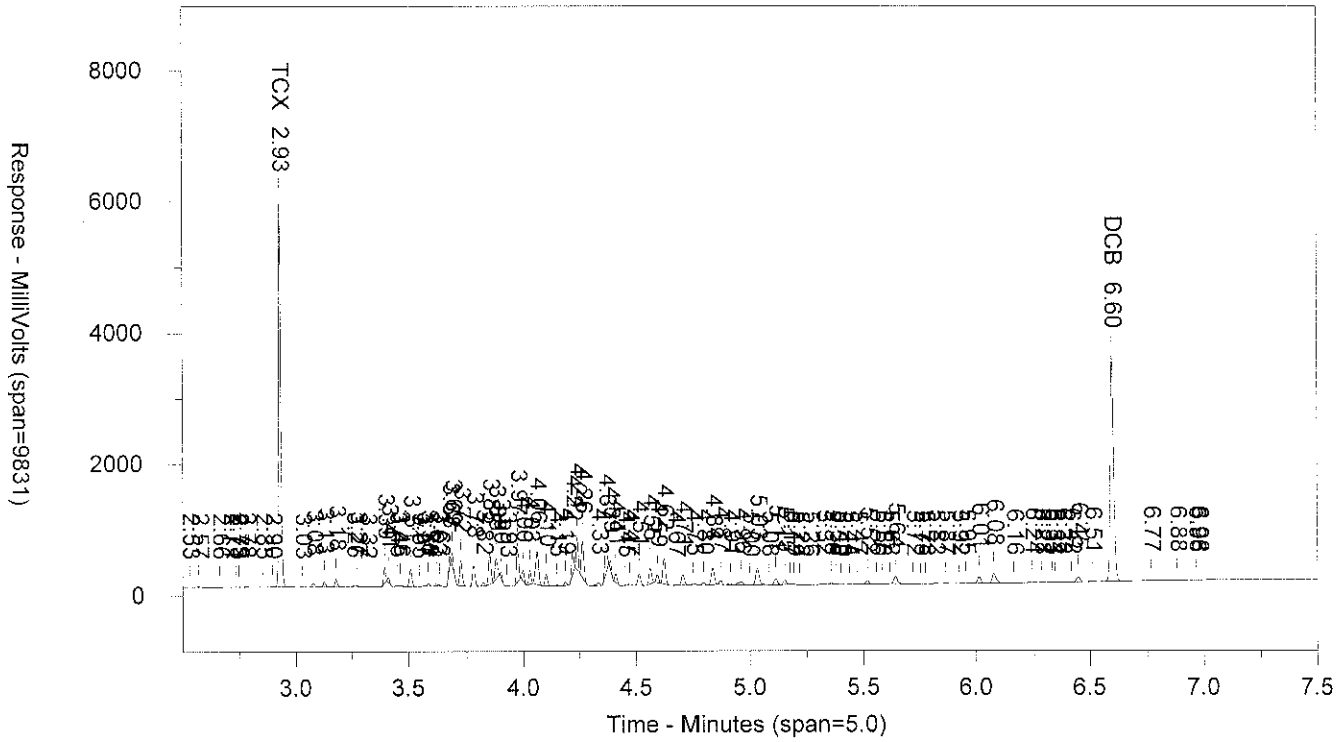

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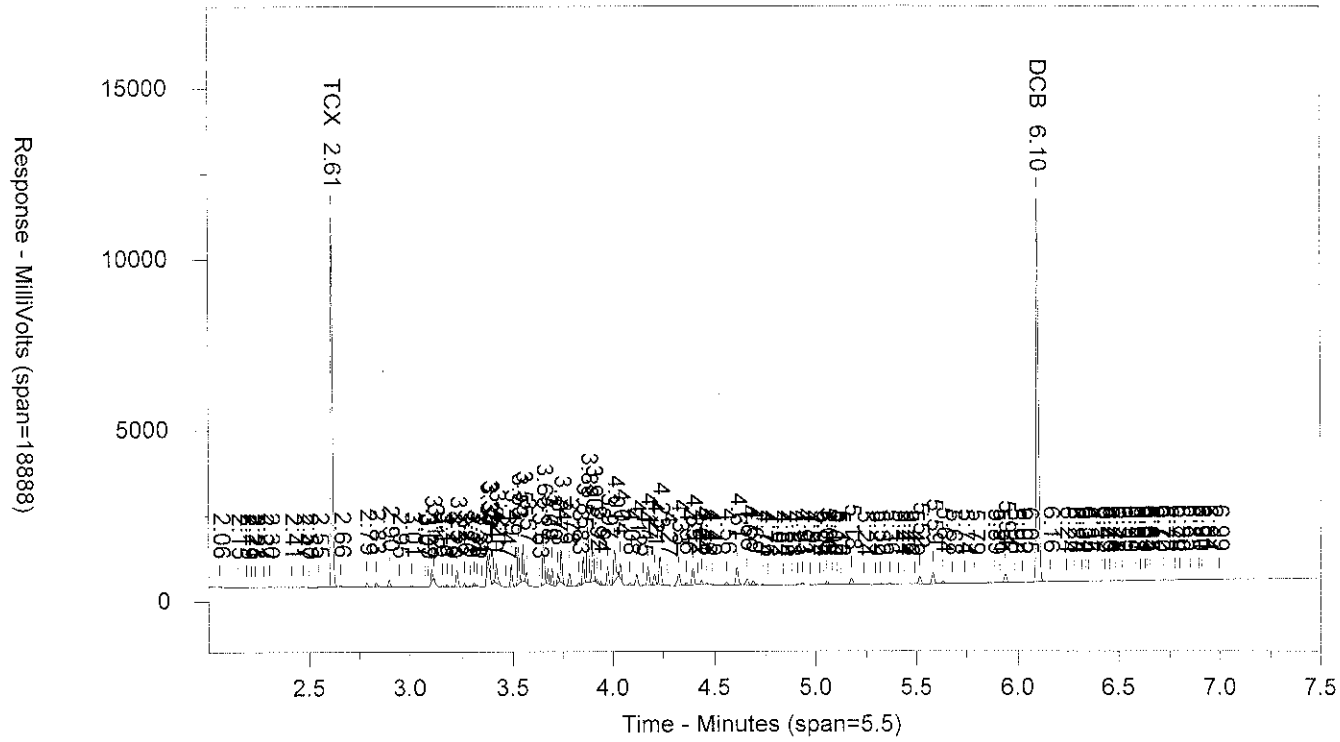

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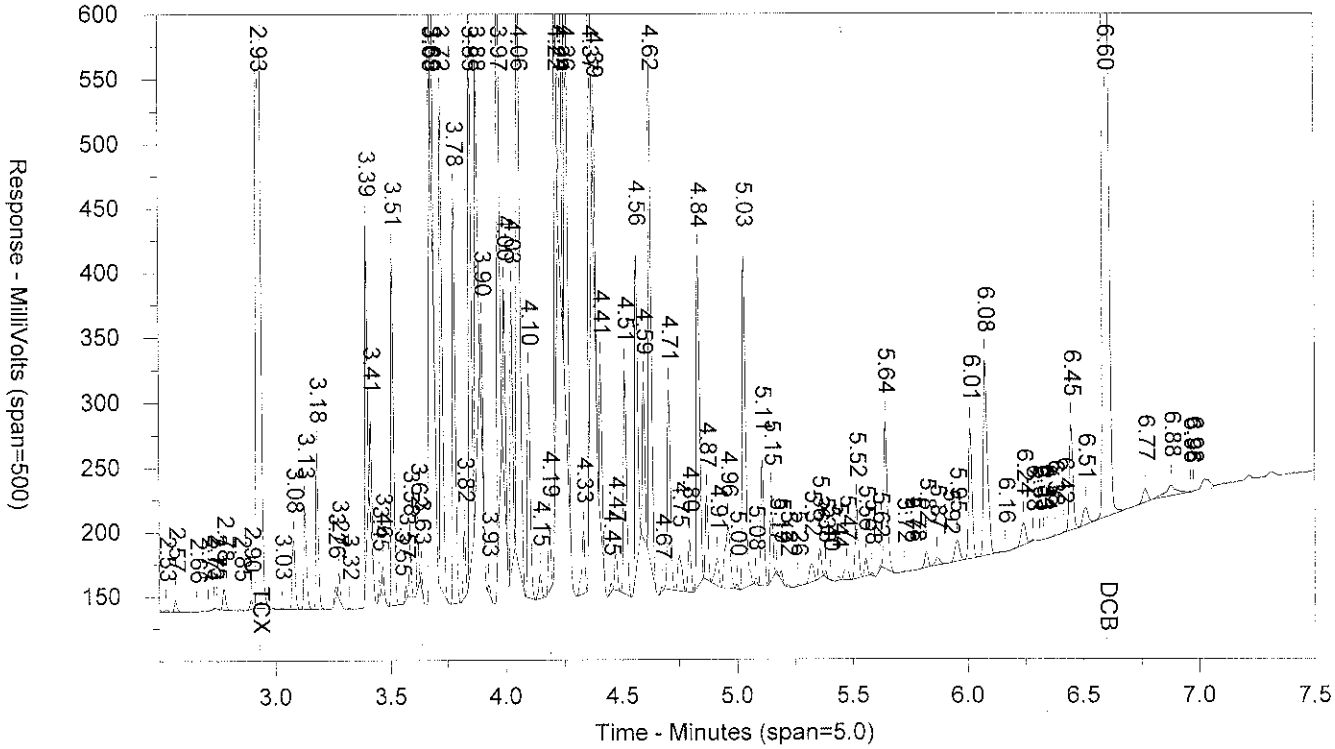

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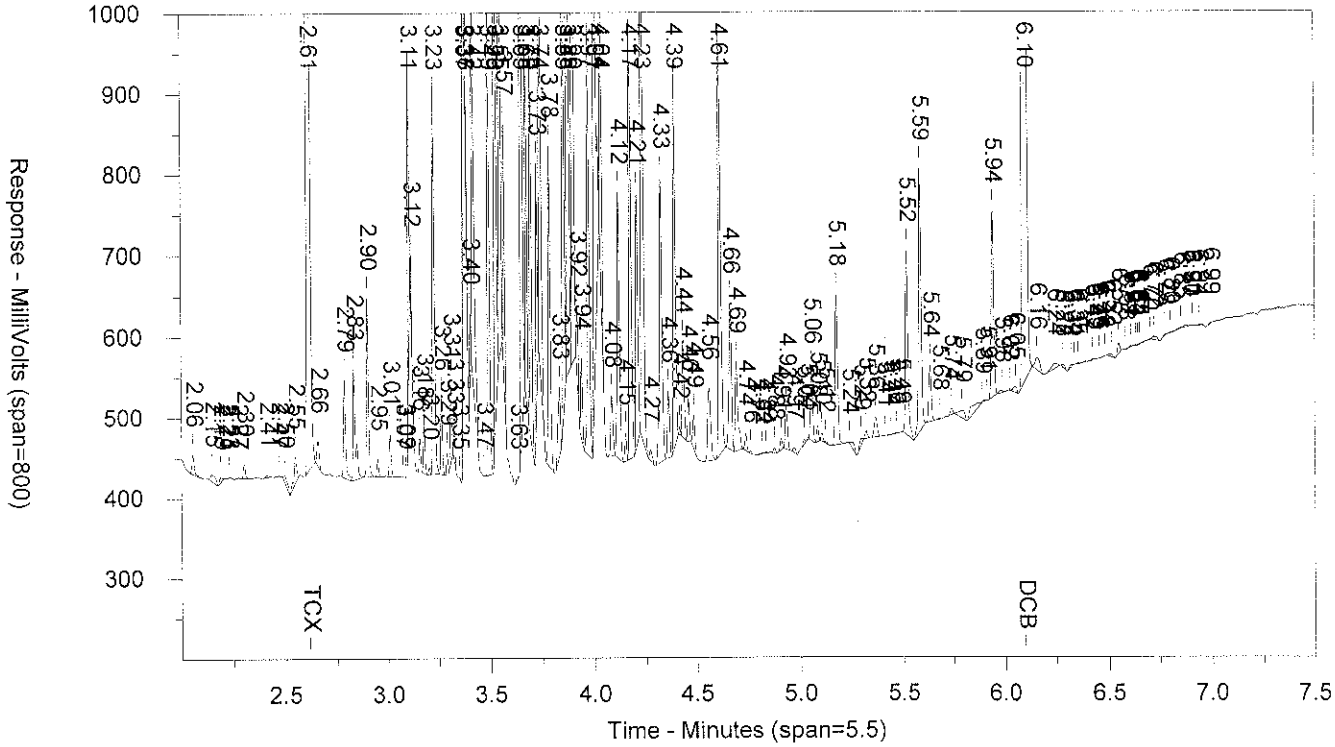

LANCASTER LABORATORIES

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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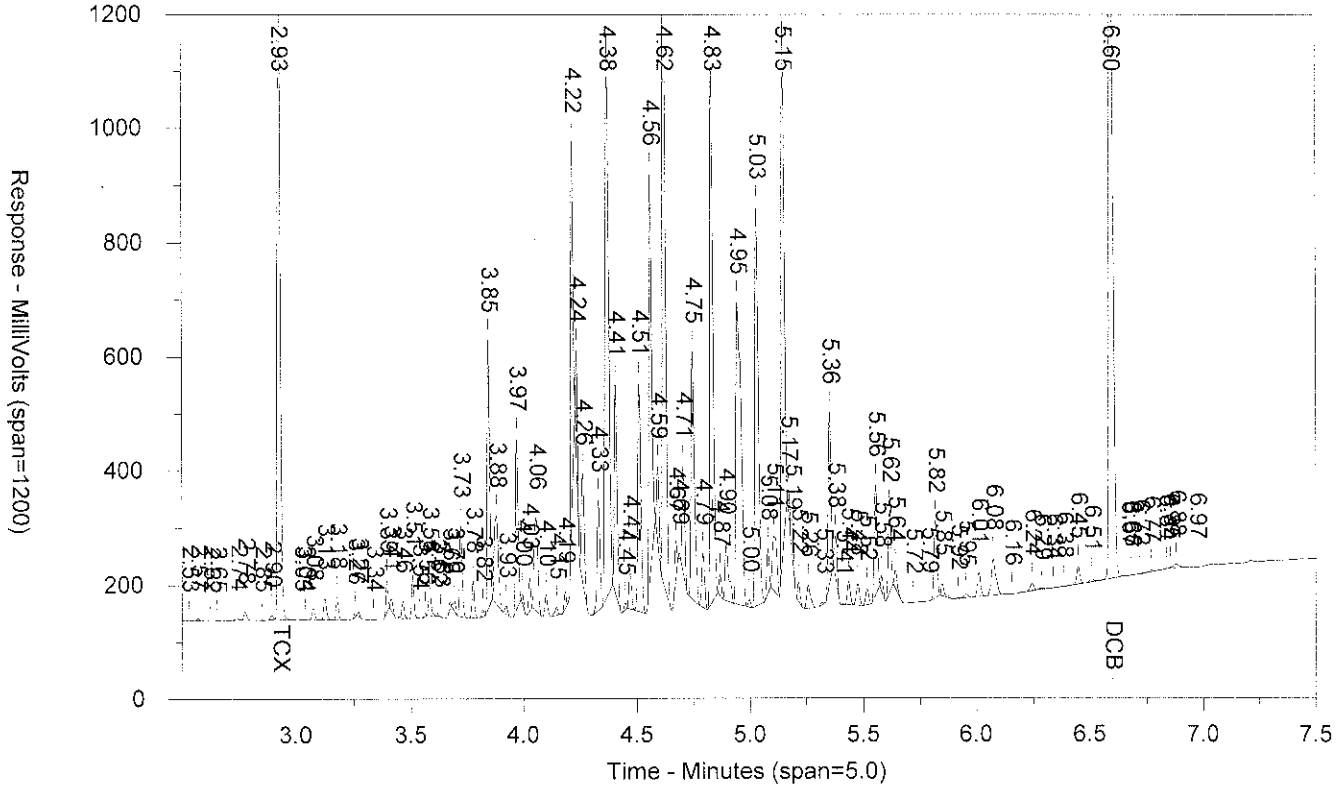

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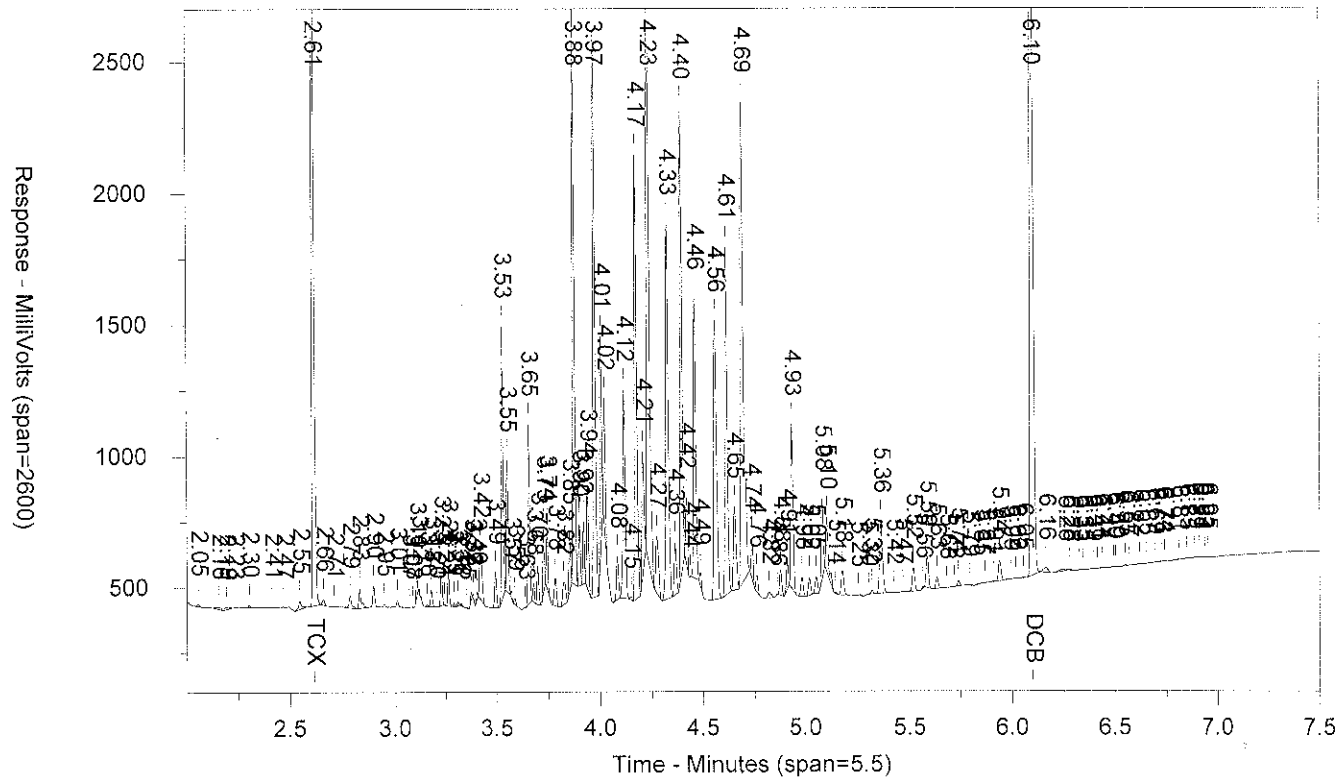

LANCASTER LABORATORIES

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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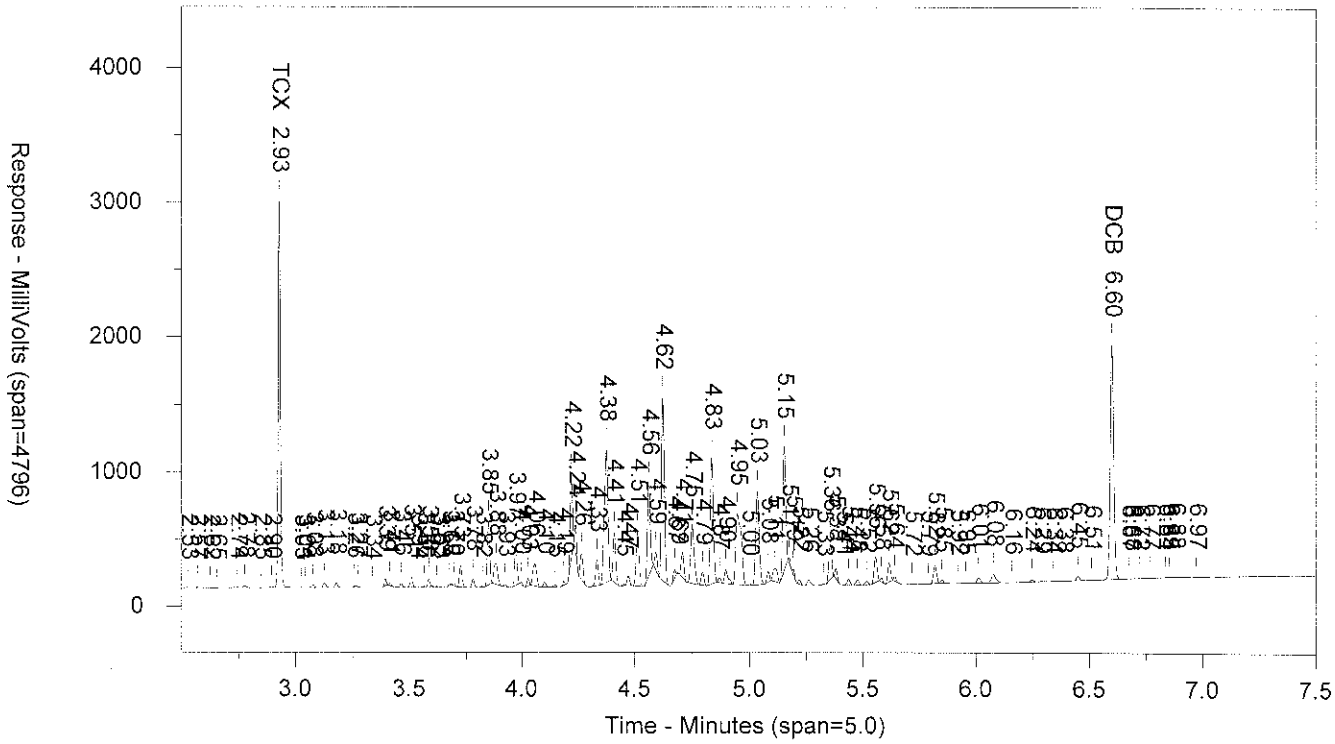

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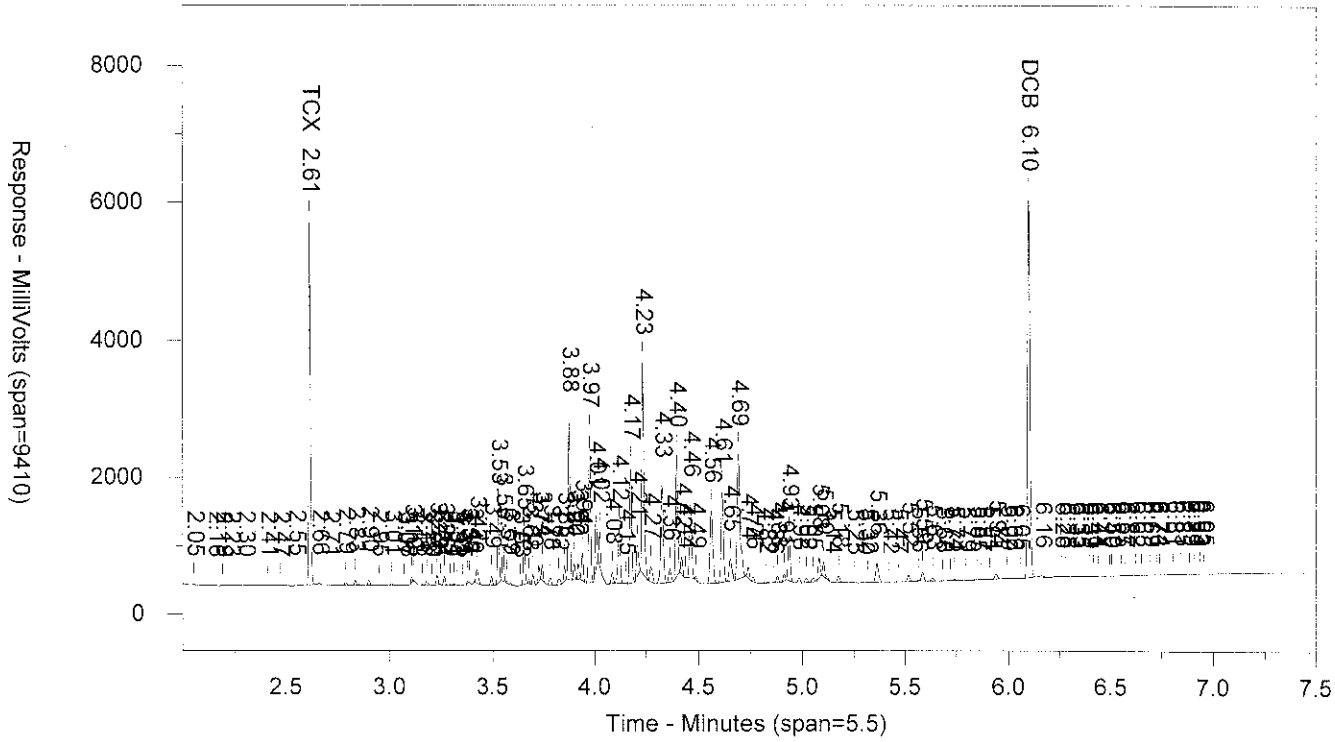

IC54X1724B AAIC54XAA CCAL 1728399999 10225 SW-846 8082

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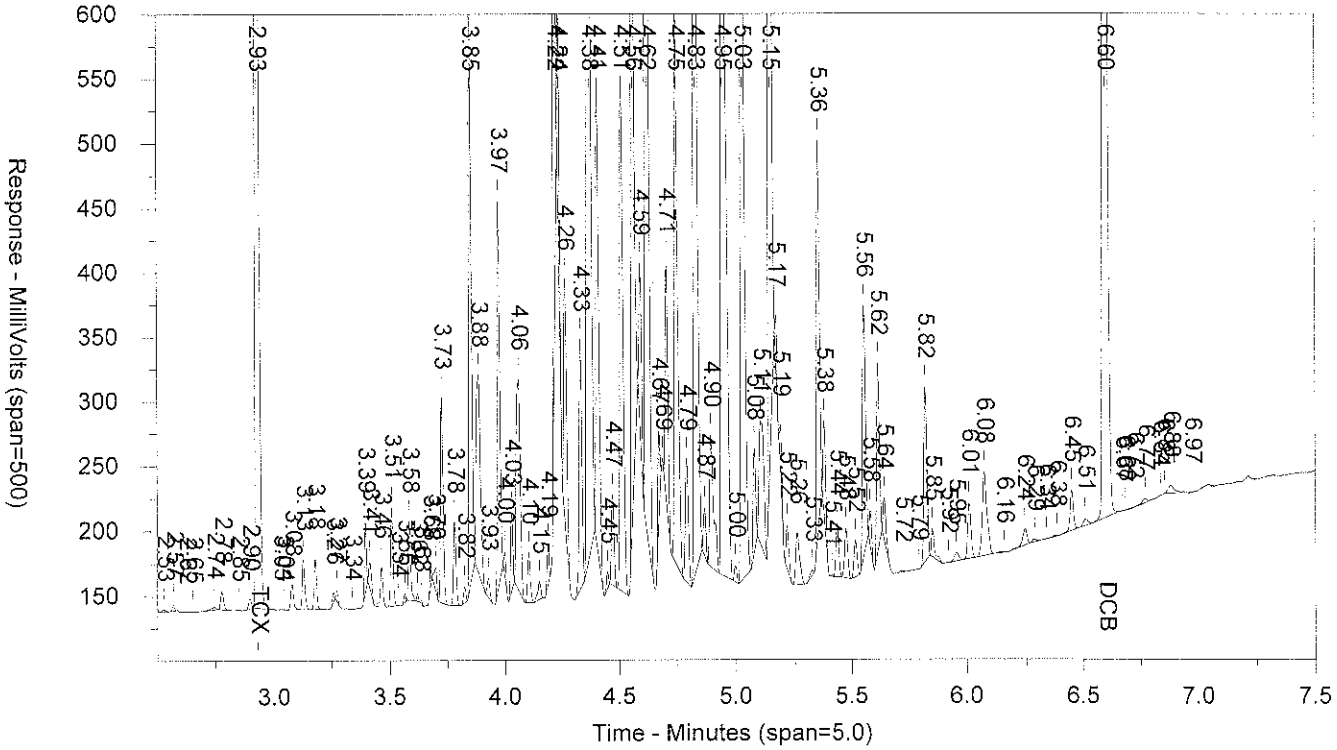

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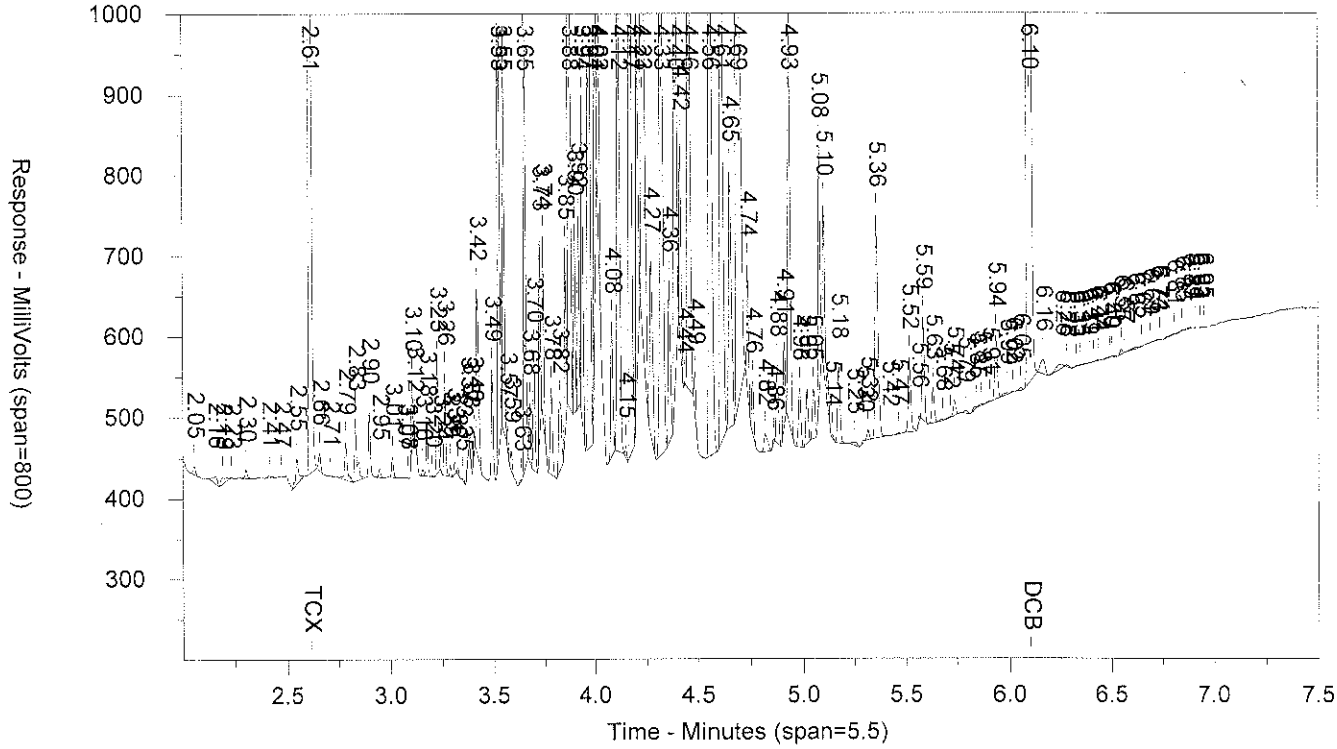

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 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: 07PCBS17284001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.517		3253	2901
1.613		7417	64507
1.736		5882	4647
1.921		1776	2265
2.055		23002	47217
2.089		10644	11516
2.234		26633	17298
2.333		34875	27869
2.431		3516	2056
2.502		21729	28917
2.543		8769	6602
2.615		4111	2554
2.679		2007	1289
2.707		2982	1410
2.786		29314	28750
2.868		21082	32536
2.902		10050	13065
2.937	TCX	5371429	3509495
3.134		77041	53397
3.265		24097	19607
3.392		2426	2008
3.574		27716	18347
3.606		11676	17704
3.677		9672	10454
3.776		2241	860
3.845		1713	503
3.853		1085	162
3.877		1796	495
3.926		14355	17427
4.014		1293	404
4.147		2635	1712
4.175		9947	8015
4.259		8165	10473
4.282		9238	8413
4.377		2087	1231
4.494		1211	577
4.606		9604	11476
4.835		1503	583
4.876		1481	680
4.902		9979	26249
4.972		4713	12014
5.057		1705	580
5.256		3740	15143
5.323		8032	13466
5.428		5410	6706
5.53		2050	1926
5.574		2588	979
5.596		6901	10609
5.652		21292	29352
5.696		1258	739
5.733		9746	10078
5.833		2014	1368
5.949		4319	3580

RT A	Compound A	Height A	Area A
6.022		49453	47908
6.085		43694	43020
6.237		529	2558
6.296		1176	349
6.325		1333	599
6.374		1549	397
6.458		47660	46207
6.495		2501	1946
6.605	DCB	3855121	3995215
7.502		1900	428
7.578		1073	508
7.594		1162	399
7.947		1318	425
8.022		1226	287
8.215		1409	533
8.239		1734	612
8.253		1643	649
8.389		1125	1201
8.425		1235	528
8.442		1541	751
8.546		1641	841
8.576		2058	1379

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 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: 07PCBS17284001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.53		10796	8830
1.607		3533	2620
1.683		4424	5261
1.75		1788	1156
1.799		6579	6872
1.816		6818	6402
1.901		73708	54010
1.967		12462	21908
2.029		17183	12611
2.124		9643	12191
2.159		8082	13697
2.222		6622	7818
2.3		2276	1450
2.321		7859	7891
2.388		4280	3050
2.414		6193	4340
2.508		11327	15405
2.525		46918	40047
2.591	TCX	7953808	4996216
2.691		5154	3775
2.777		6881	3604
2.809		117063	78459
2.864		6104	7427
2.925		21825	12270
2.949		3676	2288
3.033		3691	2411
3.084		6562	7025
3.113		3860	3271
3.163		2537	1261
3.194		2830	2399
3.27		34606	21584
3.306		15737	14509
3.352		9254	15046
3.428		4535	4034
3.622		4896	15558
3.694		3622	2896
3.807		9231	23563
3.871		8605	18088
3.919		14908	19332
3.995		3862	4155
4.049		15349	29666
4.116		10550	28325
4.414		5297	16110
4.555		7076	7872
4.618		1843	1075
4.639		7453	5072
4.678		4269	6171
4.988		2081	5381
5.033		2283	1859
5.155		11334	9965
5.196		5095	6674
5.293		575	2886
5.318		9136	7713
5.445		1770	2529

5.499		56596	49424
5.568		53112	48549
5.926		74508	65717
6.085	DCB	6985910	6863572
6.535		5966	5299
6.634		1392	1977
6.813		2112	2596
8.162		9671	17467
8.37		4088	10035

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

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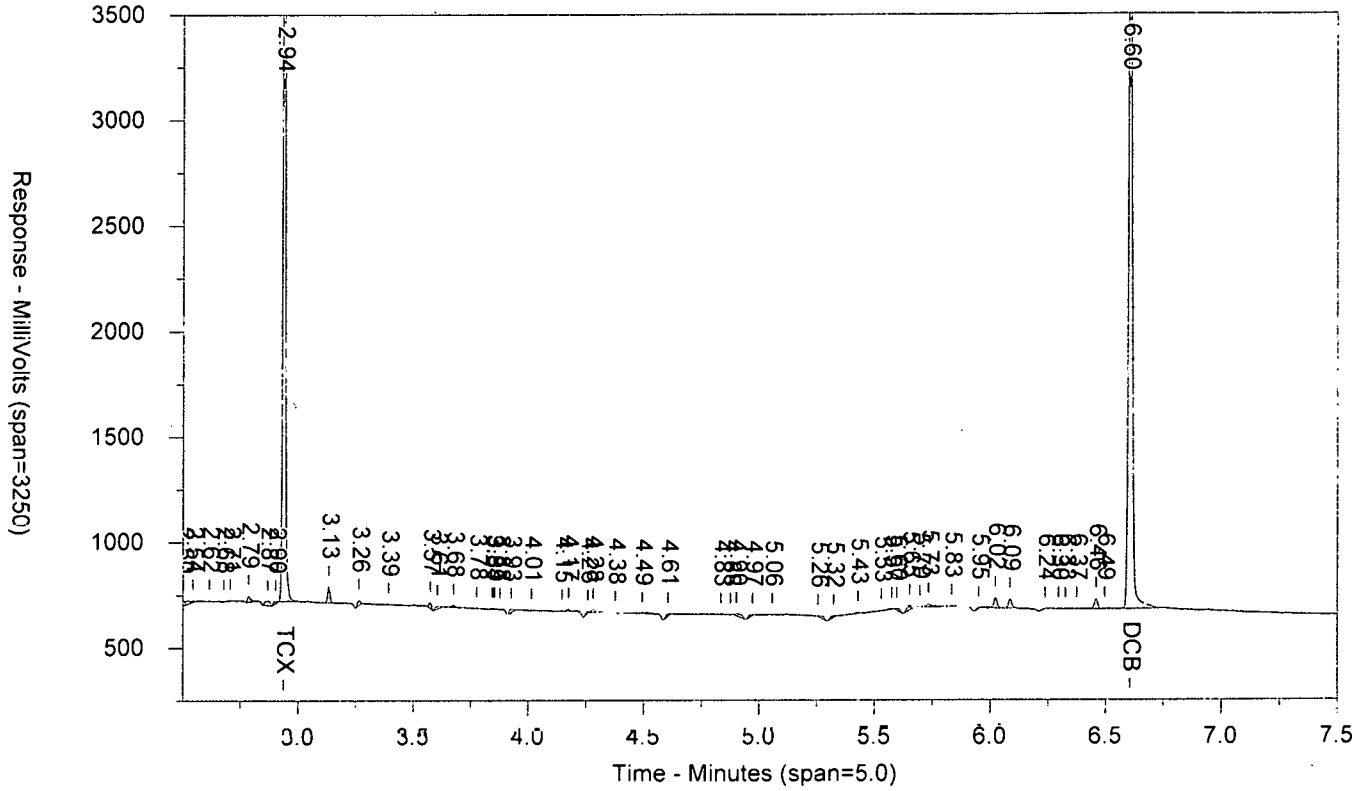

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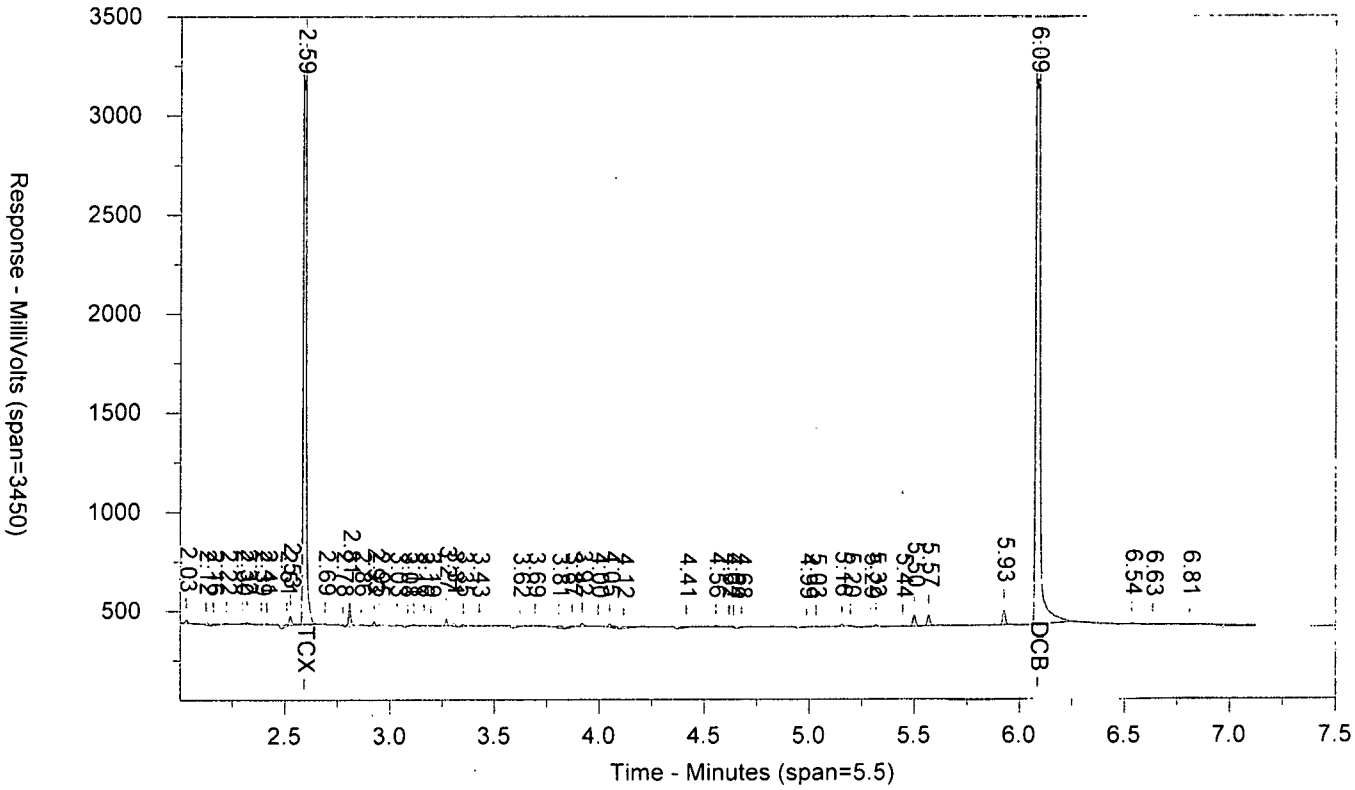

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082
Injected On: 10/11/2017 7:48:54 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	5371429	.196	TCX	2.591	7953808	.192	TCX
6.605	3855121	.191	DCB	6.085	6985910	.185	DCB

Files:
Area File: 07PCBS17284001.0005.RAW
Area File: 07PCBS17284001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:05 PM
File Reported On: 10/12/2017 at 6:18:55 PM

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

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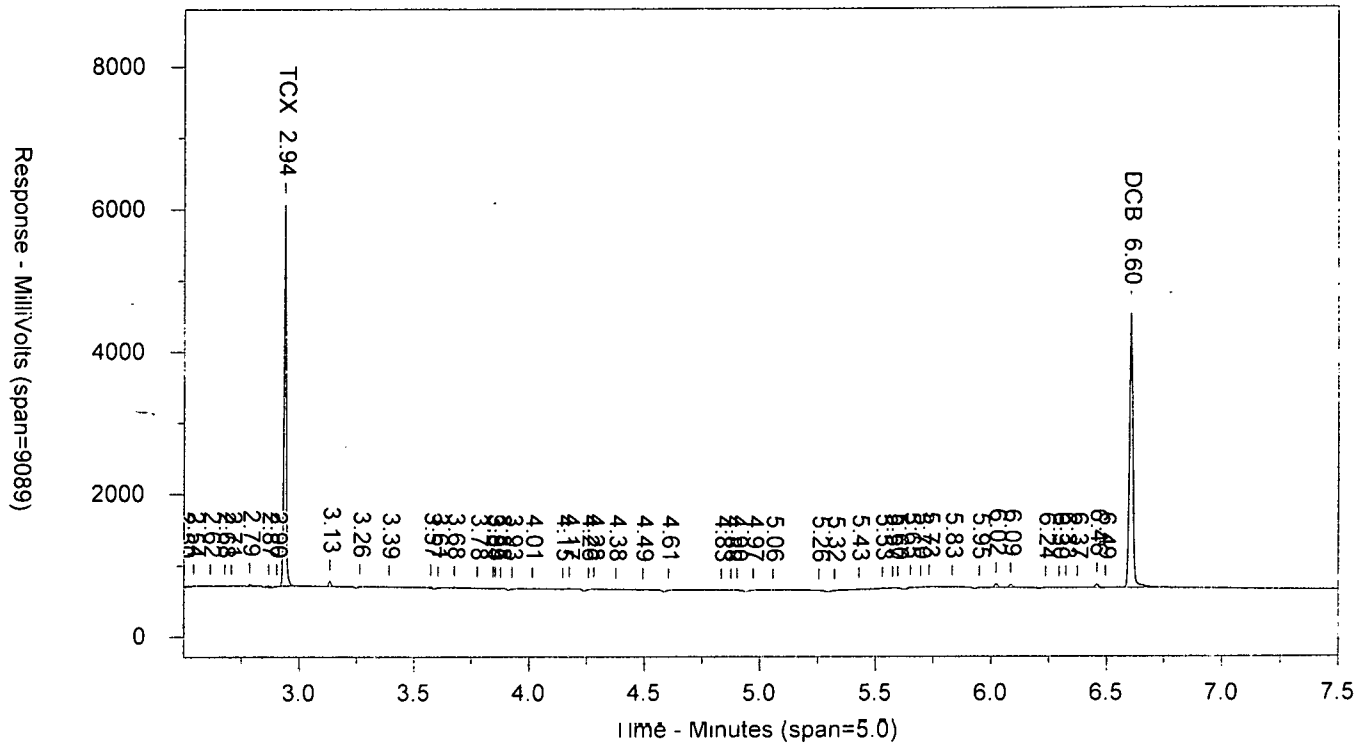

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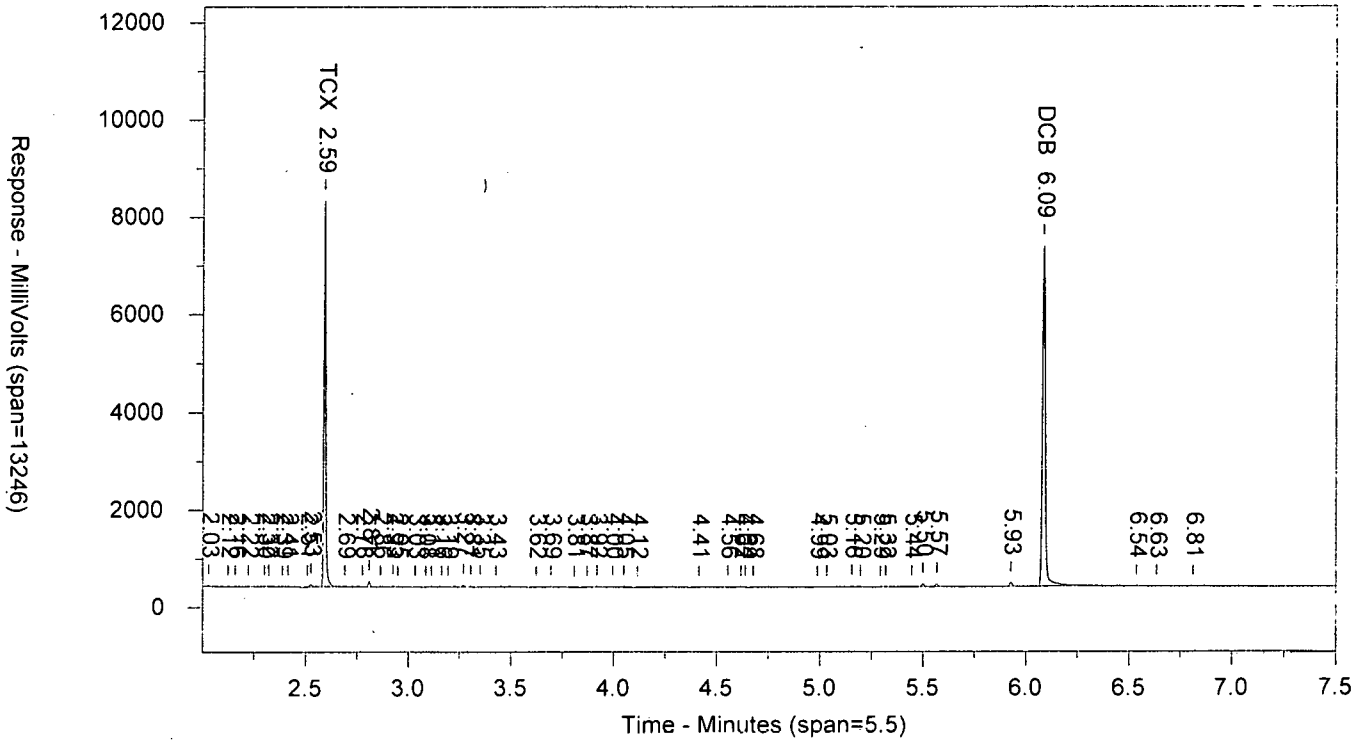

IBLKX1724B AAPIBLKAA PIBLK1728399999 10736 SW-846 8082

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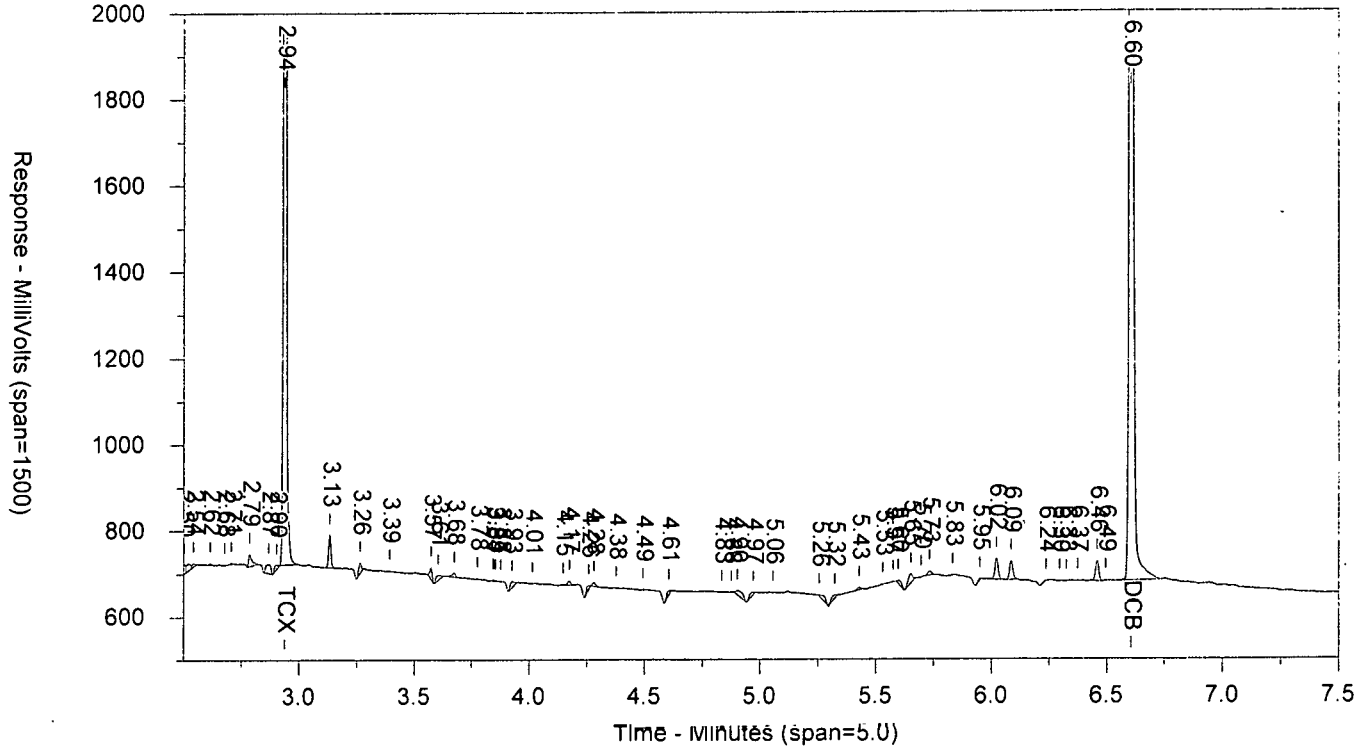

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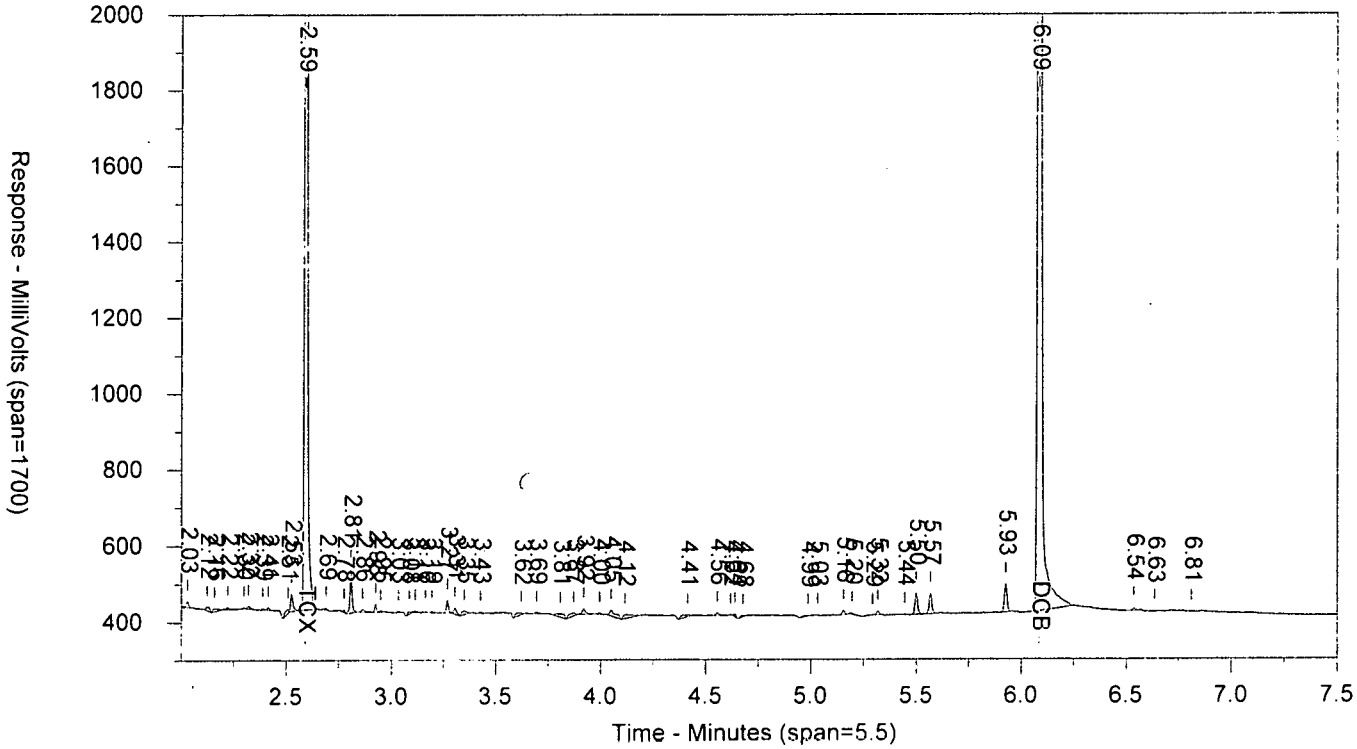

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.58		21411	21395
1.612		5744	19249
1.912		2376	4111
2.059		23007	42448
2.09		25171	31662
2.134		28675	36381
2.175		6830	12505
2.234		24998	17342
2.341		52053	57257
2.512		81346	85678
2.548		13821	19299
2.592		4399	4095
2.682		2546	1452
2.761		1905	1263
2.785		24279	23323
2.827		1885	1145
2.86		3530	2238
2.911		4695	9833
2.937	TCX	5099115	3474106
3.022		3648	2305
3.134		75256	51476
3.215		3730201	2282871
3.264		23359	20856
3.412		2036601	1856041
3.448		8846	5756
3.501		2339	2050
3.524		1355101	855493
3.573		15922	10180
3.598		11737	15249
3.676		19934	16022
3.698		72654	49663
3.723		9972	5641
3.817		134760	105445
3.847		3417	1832
3.857		4305	2308
3.89		1343	255
3.928		9571	10966
3.946		1004	686
3.988		1528	526
4.026		1360	733
4.053		6544	3970
4.086		33090	25086
4.135		4842	4211
4.172		67077	52860
4.207		56160	37018
4.224		27949	18452
4.255		5301	4279
4.283		11244	16725
4.348		6468	6594
4.384		463546	401848
4.467		9708	7279
4.51		19006	23758
4.534		9572	5688

RT A	Compound A	Height A	Area A
4.548		4022	1851
4.576		102429	82332
4.605		2970	1939
4.622		1606	469
4.648		15142	13222
4.701		379538	381695
4.772		2298	738
4.802		337803	314916
4.84		7407456	6346968
4.865		96602	58259
4.944		735054	682435
5.002		2242	570
5.032		55014	66608
5.095		546994	516851
5.181		8092543	7531539
5.258		38468	51510
5.319		6961	8883
5.401		300059	284470
5.428		6826	2624
5.467		7517	2956
5.491		19397	16390
5.542		9584044	9328550
5.584		204602	149598
5.623		1525407	1489009
5.946		4931	3859
6.022		50398	48188
6.086		42935	40232
6.155		2116	2254
6.229		2380	1735
6.253		1696	811
6.338		1946	1833
6.419		1973	490
6.457		49386	47374
6.495		1833	911
6.513		1273	484
6.562		2235	633
6.604	DCB	4072278	4111956
6.854		1204	414
6.996		1986	1384
7.208		1904	1080
7.341		1552	665
7.429		2169	597
7.52		1184	519
7.578		1380	299
7.592		1425	663
7.61		1145	342
7.659		1622	435
7.72		1501	909
7.765		2140	852
7.876		1424	525
7.917		2071	1107
8.037		1764	303
8.078		1257	539
8.096		1387	1102
8.129		1572	1237
8.319		2113	796
8.367		1958	561
8.401		1426	342
8.462		1196	648
8.525		2027	1105
8.545		1725	1478
8.601		1156	598
8.65		1550	551

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		3560	3151
1.7		18410	24753
1.765		12073	29357
1.793		4090	2291
1.868		15860	9809
1.9		86639	70905
1.968		7503	14399
2.03		14018	9041
2.13		66248	40381
2.163		4419	4834
2.182		8696	5278
2.223		4280	2307
2.244		2522	1954
2.297		107320	64376
2.387		4351	3606
2.507		6902	9851
2.526		44853	32545
2.591	TCX	7425145	4772033
2.681		7687	7612
2.777		4160	2245
2.809		108340	73323
2.866		4909	5587
2.938		5389661	3003015
3.058		8823	5886
3.093		15160	18178
3.148		4393516	2511497
3.221		4958	3368
3.247		9320	5749
3.269		17743	10340
3.306		23317	12684
3.329		1677322	1015250
3.389		4653	2496
3.411		3040	1503
3.43		13324	6897
3.451		236890	177919
3.482		3843	2002
3.525		18897	11939
3.543		4666	2101
3.571		8959	8585
3.604		5458	6754
3.626		4649	3304
3.693		3687	2537
3.738		64282	37370
3.756		22845	14866
3.791		4607	2845
3.817		90760	60483
3.838		38415	22148
3.871		10291	9857
3.918		14345	13342
3.971		542622	377049
3.998		5968	3650
4.045		25566	23394
4.101		4226	1869
4.125		115338	89714

4.17		27352	18620
4.214		21168	16447
4.233		7449	3957
4.275		3507	2609
4.345		453825	366158
4.399		10277000	8042698
4.441		66060	48539
4.495		1724946	1317339
4.535		32759	27750
4.607		65543	54137
4.633		30018	19964
4.673		18796970	14711320
4.73		847456	661374
4.846		51831	51123
4.882		11030	16762
4.97		5678	4414
5		588390	818077
5.104		19352590	17037500
5.16		111109	100077
5.277		2917108	2523249
5.331		130079	104871
5.499		53971	46989
5.568		48309	43552
5.926		84387	71767
6.084	DCB	7518244	7171337
6.362		1615	1263
6.538		5599	4835
6.772		7771	10313
7.436		1186	14220
7.586		2761	5023
8.166		9059	16547

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

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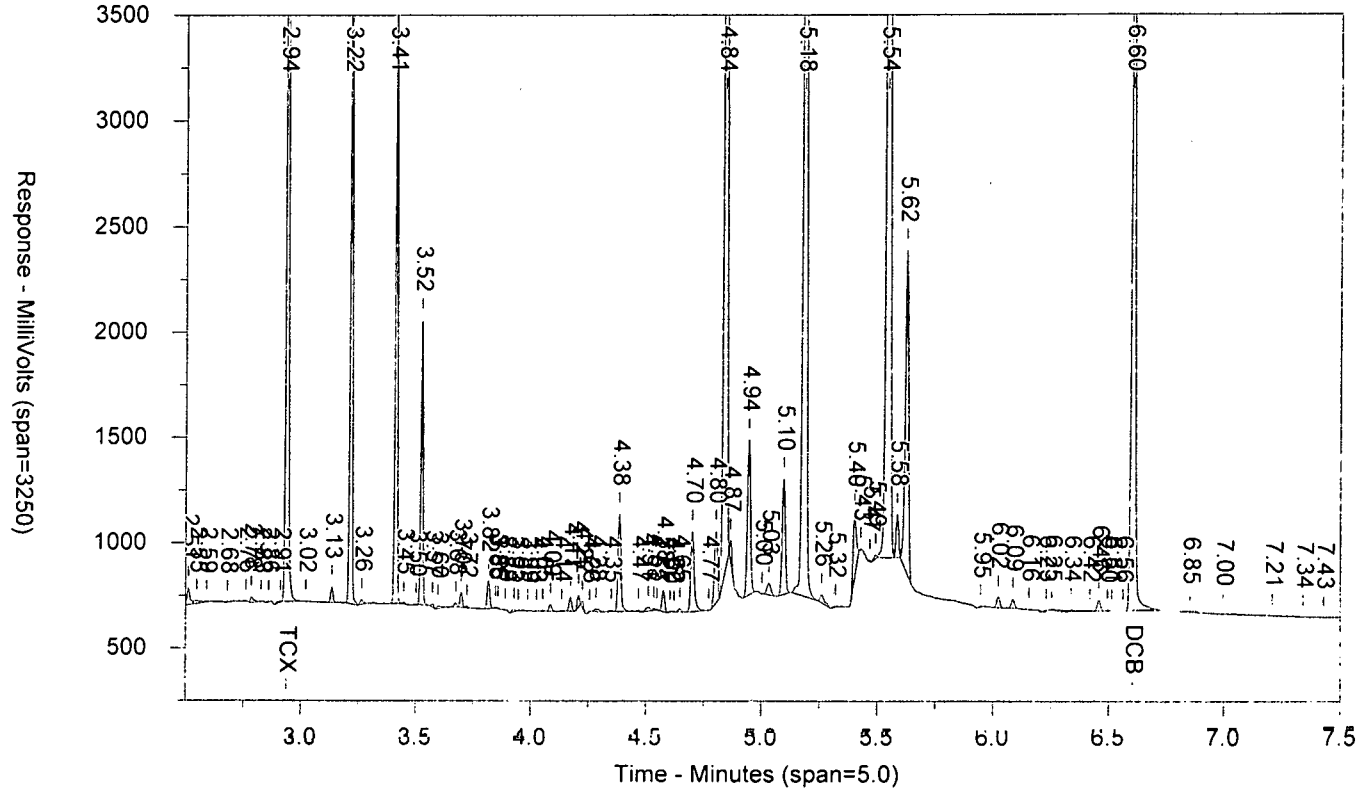

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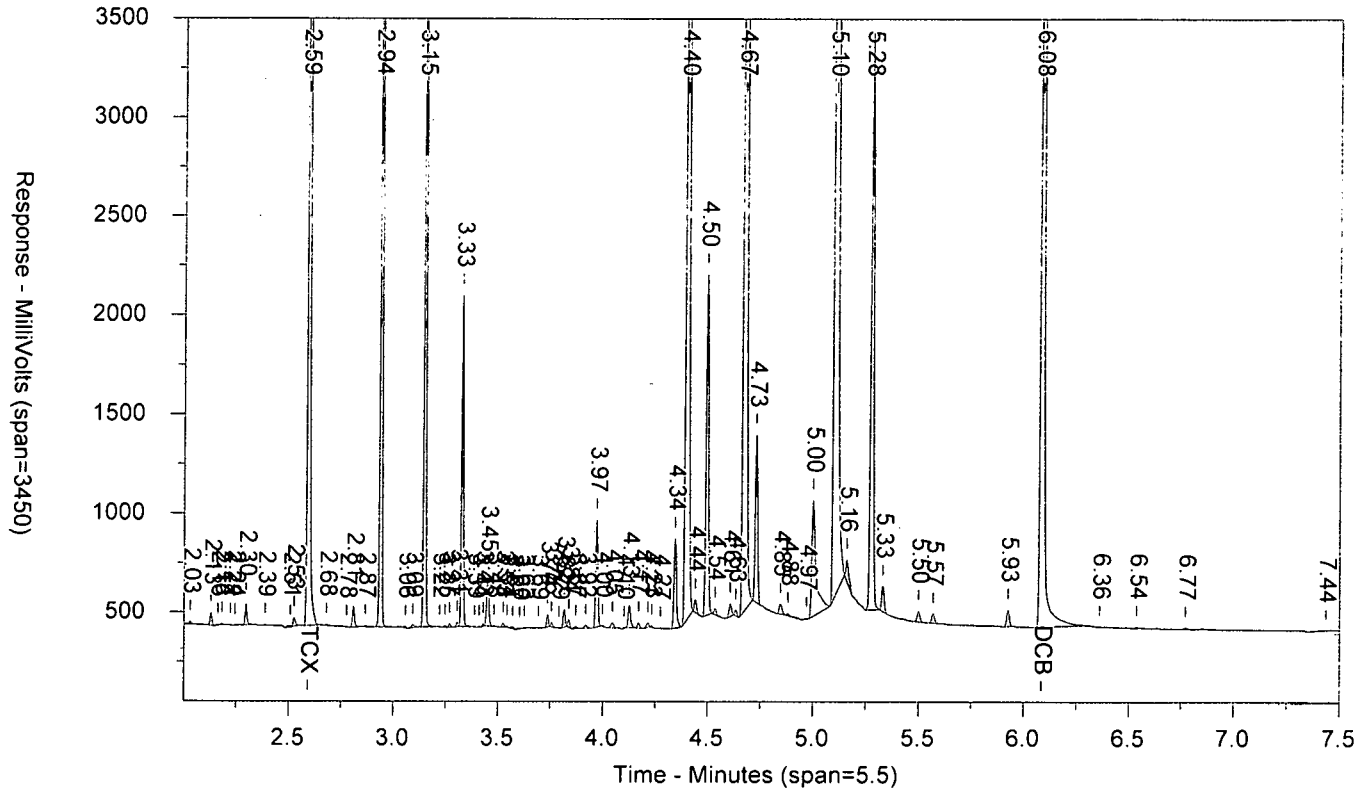

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:00:21 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	5099115	18.602	TCX	2.591	7425145	17.912	TCX
6.604	4072278	20.181	DCB	6.084	7518244	19.86	DCB

Files:
Area File: 07PCBS17284001.0006.RAW
Area File: 07PCBS17284001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:06 PM
File Reported On: 10/12/2017 at 6:19:09 PM

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

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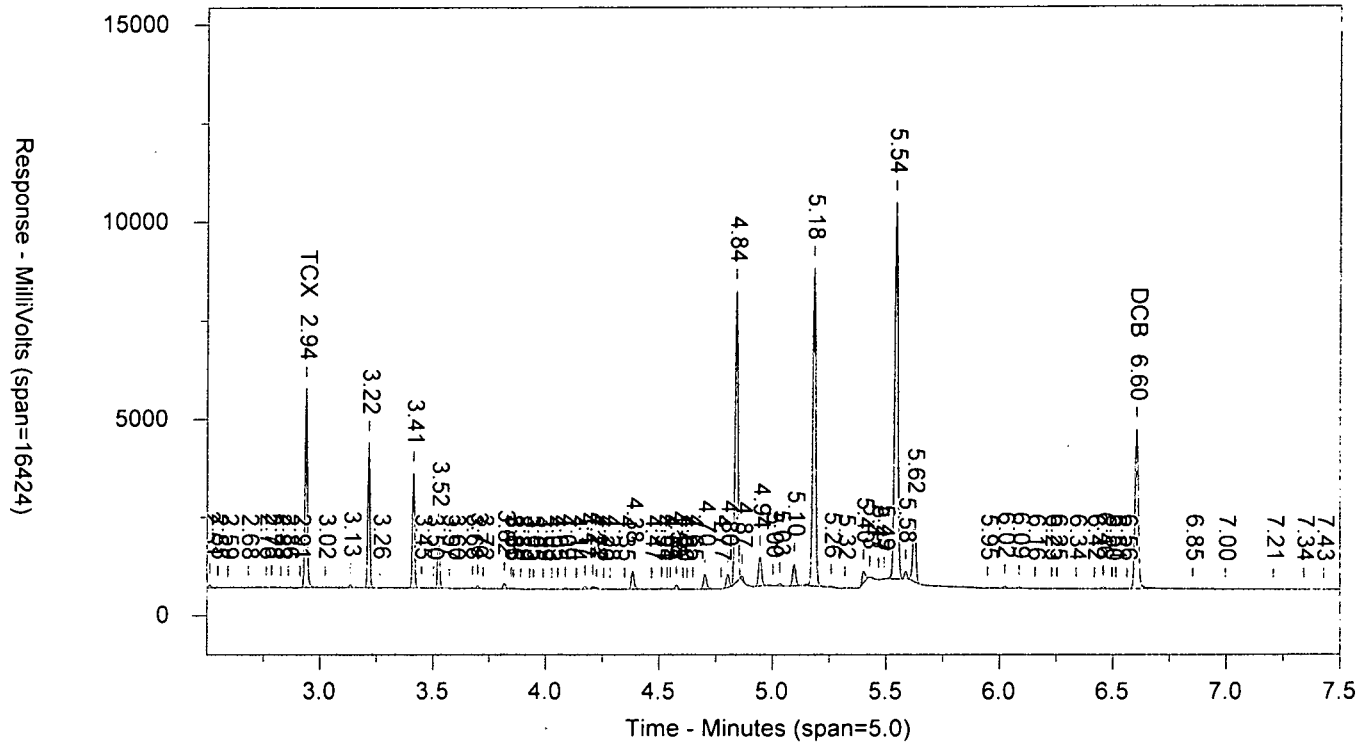

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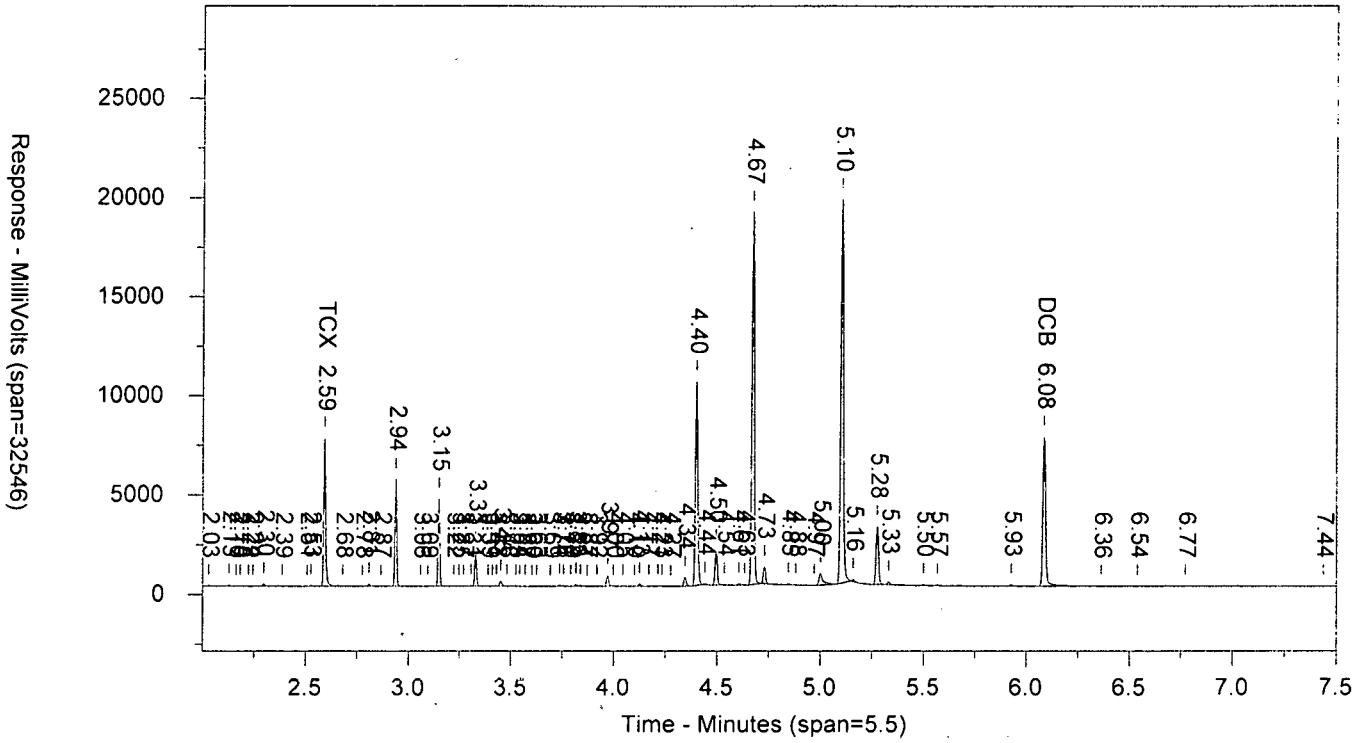

EVALX1724A AAEVALXAA ICAL 1728399999 10736 SW-846 8082

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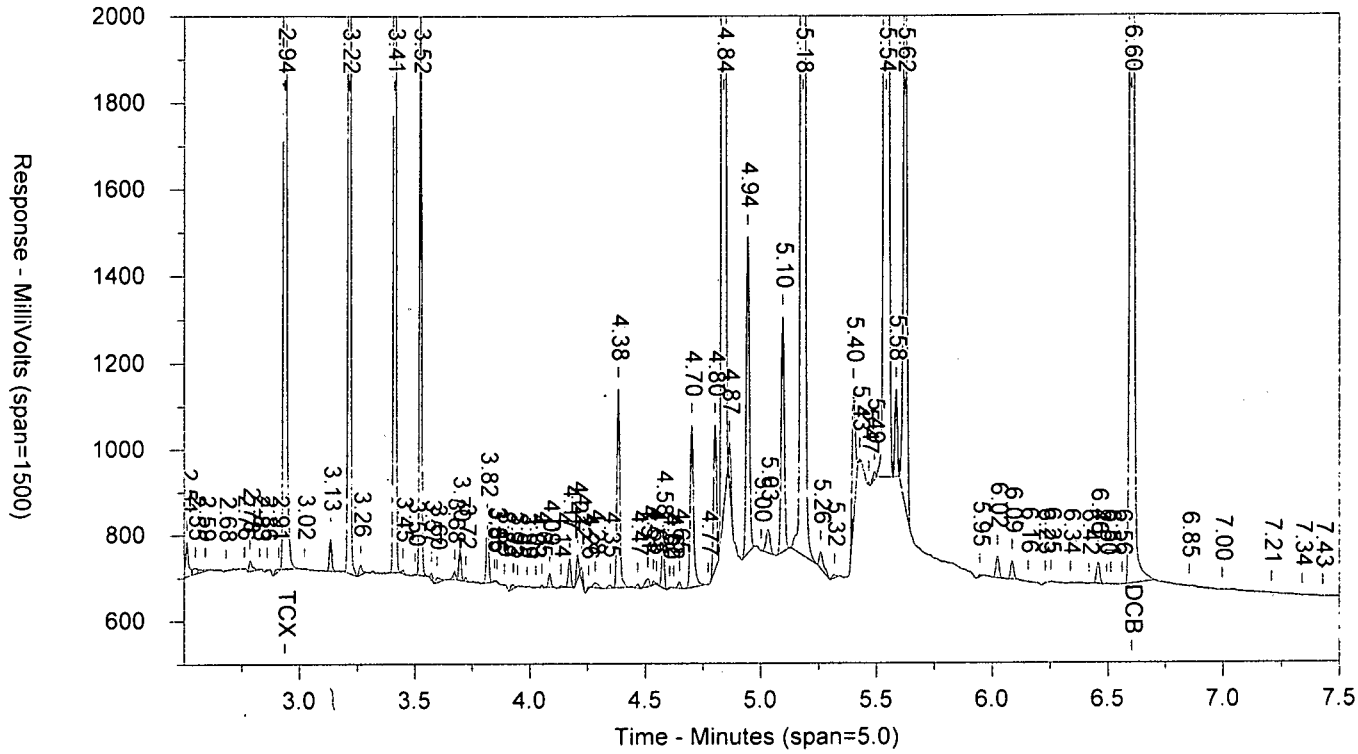

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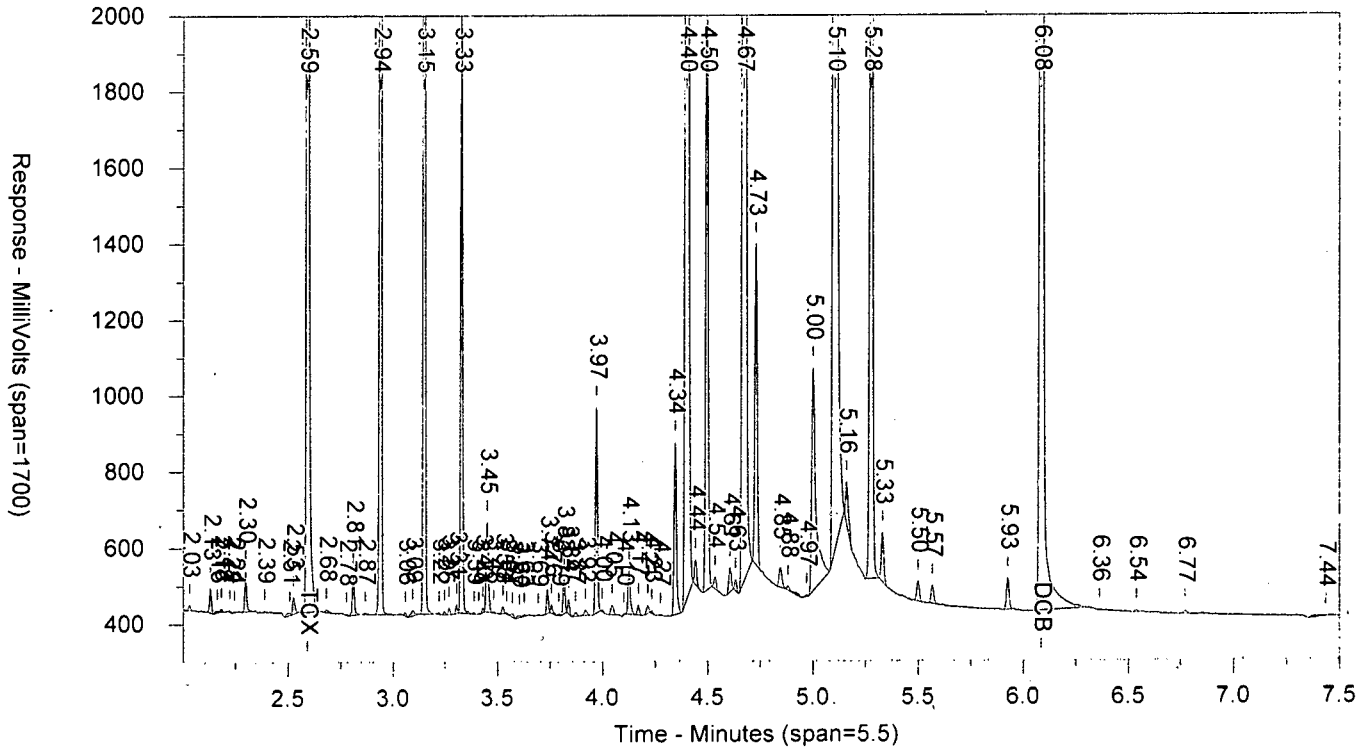

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 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: 07PCBS17284001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.521		3356	2481
1.631		8409	99049
1.916		2654	1681
2.063		29776	77743
2.092		27082	30511
2.132		15942	24743
2.174		4690	8801
2.237		2708	1307
2.333		40355	27640
2.396		2632	1080
2.526		4888	31113
2.596		2685	1501
2.711		2523	4927
2.786		25482	19481
2.857		3088	1766
2.905		9875	14492
2.937	TCX	573764	394923
3.085		21889	18918
3.142		29532	23429
3.189		145174	98485
3.263		7899	6106
3.282		18236	12254
3.403		151488	88612
3.42		70374	37457
3.457		17005	10263
3.472		2486	866
3.484		10405	4999
3.517		179441	129828
3.599		7384	7395
3.626		42832	23894
3.641		23428	11364
3.684		102106	51283
3.695		170756	88716
3.731		216713	163065
3.79		185952	142439
3.831		13984	9061
3.859		135415	96188
3.886		102478	85874
3.907		14829	7137
3.925		1757	422
3.981		150267	104710
4.005		54808	35033
4.037		58453	40870
4.07		162380	148179
4.11		48556	36412
4.156		4470	2783
4.172		6153	3559
4.196		8293	5295
4.23		151353	112100
4.25		44376	24421
4.272		50092	40862
4.342		24472	18559
4.384		170319	162715

RT A	Compound A	Height A	Area A
4.417		5071	3340
4.523		11800	11938
4.571		28511	17778
4.59		40023	27770
4.633		107896	93709
4.682		172071	186827
4.719		36971	25431
4.758		339152	315441
4.8		1727	465
4.845		47226	49557
4.877		1732	722
4.905		65484	67703
4.957		341426	420891
5.008		68790	61775
5.048		148008	168113
5.128		31186	34336
5.162		382604	358257
5.185		18834	8341
5.228		256844	235558
5.27		156895	153559
5.328		2235	7970
5.365		53070	42643
5.39		221812	208359
5.447		133983	118738
5.487		77329	77189
5.53		14375	13984
5.57		101338	116555
5.627		659747	806340
5.832		475388	472511
5.864		19106	15096
5.887		123010	137269
5.952		4360	5065
6.023		16533	16448
6.101		92334	117446
6.257		175789	188533
6.3		8305	7397
6.458		41426	43243
6.498		1895	1574
6.603	DCB	446378	479052
6.747		2444	2324
6.879		1666	720
6.994		1379	835
7.11		1804	807
7.187		1676	1485
7.365		1210	398
7.403		1600	950
7.593		1613	2101
7.605		1581	840
7.635		1493	700
7.965		2016	933
7.979		2056	500
8.043		2058	878
8.166		1848	401
8.19		2579	721
8.418		1189	437
8.525		1619	388
8.573		1881	1701
8.662		1728	1028

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA` ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 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: 07PCBS17284001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		6929	7820
1.608		2089	1561
1.684		4675	9943
1.723		3403	1873
1.767		7102	14366
1.794		6748	5598
1.816		3845	3707
1.899		65979	45614
1.967		9700	18511
2.028		5094	7068
2.132		9984	8960
2.157		6123	5892
2.183		1918	1224
2.246		1468	1372
2.278		1900	1337
2.296		2546	2009
2.387		4500	3338
2.507		6967	8991
2.526		44080	39143
2.591	TCX	832096	530956
2.635		15556	9747
2.689		3320	2705
2.763		39586	30283
2.809		8671	5428
2.824		40584	23246
2.876		209776	136948
2.927		3038	1703
2.987		27246	17232
3.031		3896	10830
3.084		280270	279947
3.134		30411	17010
3.156		11695	8416
3.182		19234	10432
3.205		264560	173432
3.242		9149	5821
3.27		3231	1508
3.289		66637	34358
3.304		49200	23957
3.354		115491	60694
3.363		253572	106504
3.383		11062	3651
3.397		260886	173343
3.471		270172	169400
3.506		200184	128376
3.53		215530	118238
3.547		68573	33880
3.597		3602	2592
3.632		242856	156526
3.654		90224	49237
3.675		85018	49490
3.704		53901	27536
3.721		194583	117853
3.762		70703	49331
3.81		7379	6412

3.832		44441	25640
3.854		259546	170597
3.878		51142	29232
3.897		7395	3310
3.918		44451	28878
3.952		214477	147724
3.986		6425	3874
4		15589	9160
4.049		12985	12661
4.096		3949	1919
4.152		56988	39690
4.194		69479	40613
4.212		45575	23707
4.226		159972	89924
4.252		87959	87876
4.303		482867	368072
4.351		7330	4783
4.373		37175	22351
4.397		108277	82108
4.44		573808	465698
4.541		425736	441397
4.594		57701	45847
4.632		134649	118401
4.669		511844	445260
4.701		302276	222811
4.739		204586	163912
4.838		71423	70429
4.888		366522	293789
4.911		38237	23855
4.962		202874	180870
4.997		97447	81306
5.028		78058	61256
5.06		22212	13253
5.083		807872	708979
5.124		11927	7696
5.154		31463	24806
5.276		9435	6526
5.298		195823	169048
5.344		543507	661470
5.499		19074	16607
5.546		12722	9210
5.567		11645	8214
5.617		112947	99315
5.726		233109	216275
5.757		11475	7480
5.926		75903	72092
6.084	DCB	864064	821838
8.163		10889	23746

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

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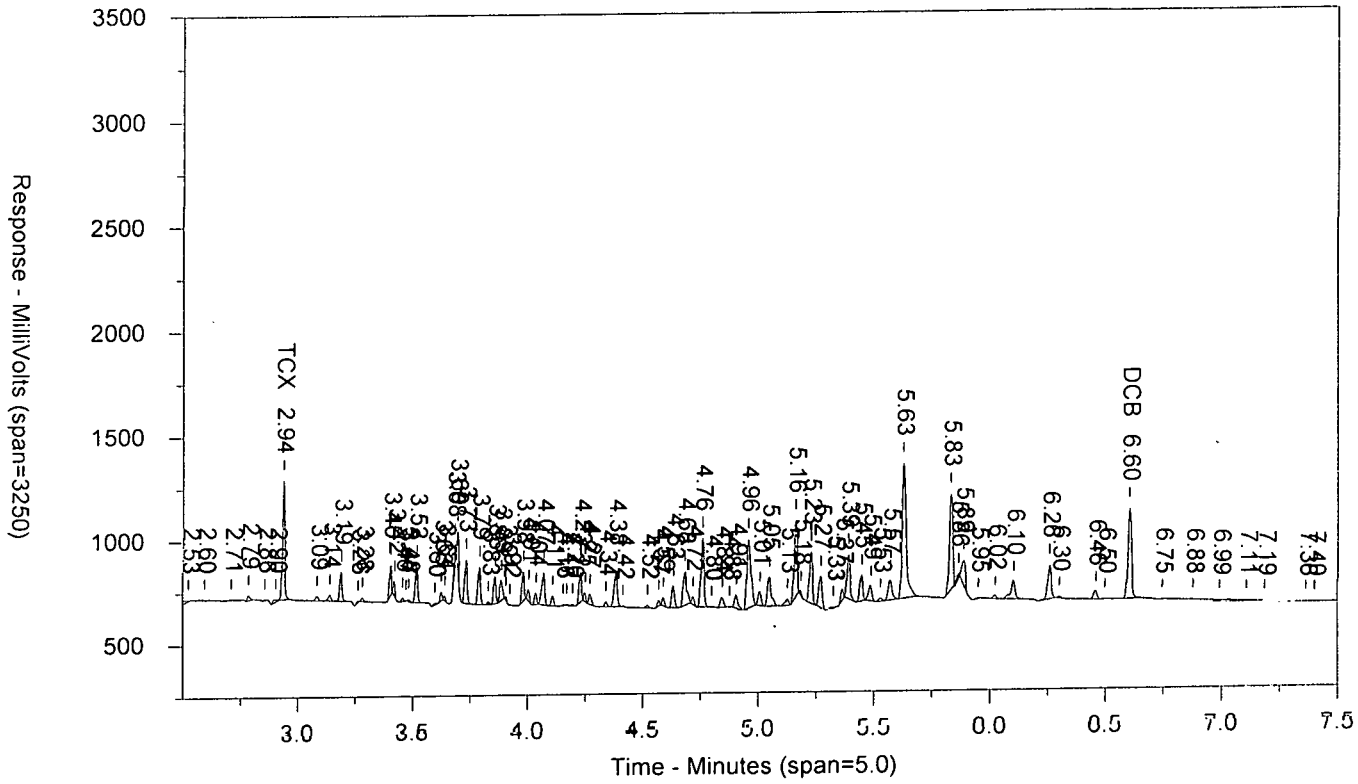

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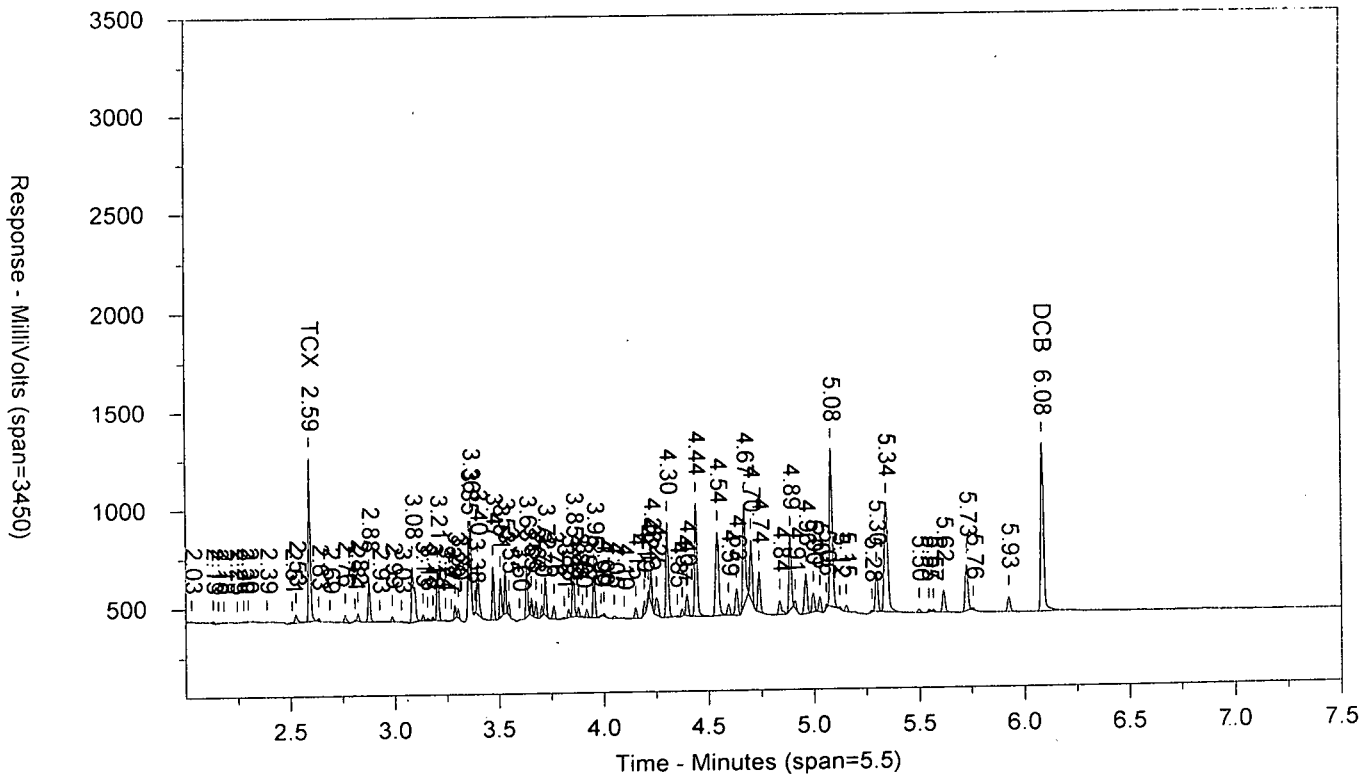

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:11:54 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	573764	2.037	TCX	2.591	832096	2.606	TCX
6.603	446378	2.329	DCB	6.084	864064	2.752	DCB

Files:
Area File: 07PCBS17284001.0007.RAW
Area File: 07PCBS17284001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:20:37 PM
File Reported On: 10/11/2017 at 8:20:51 PM

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

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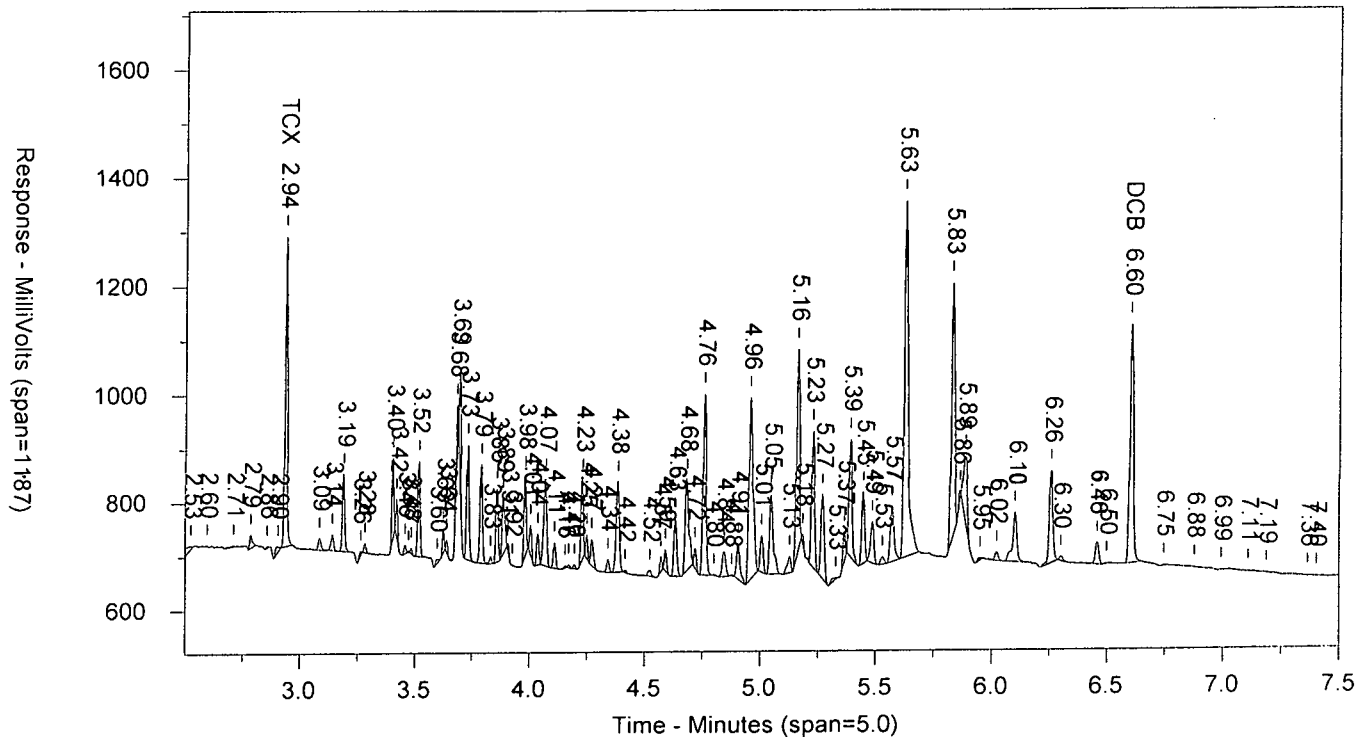

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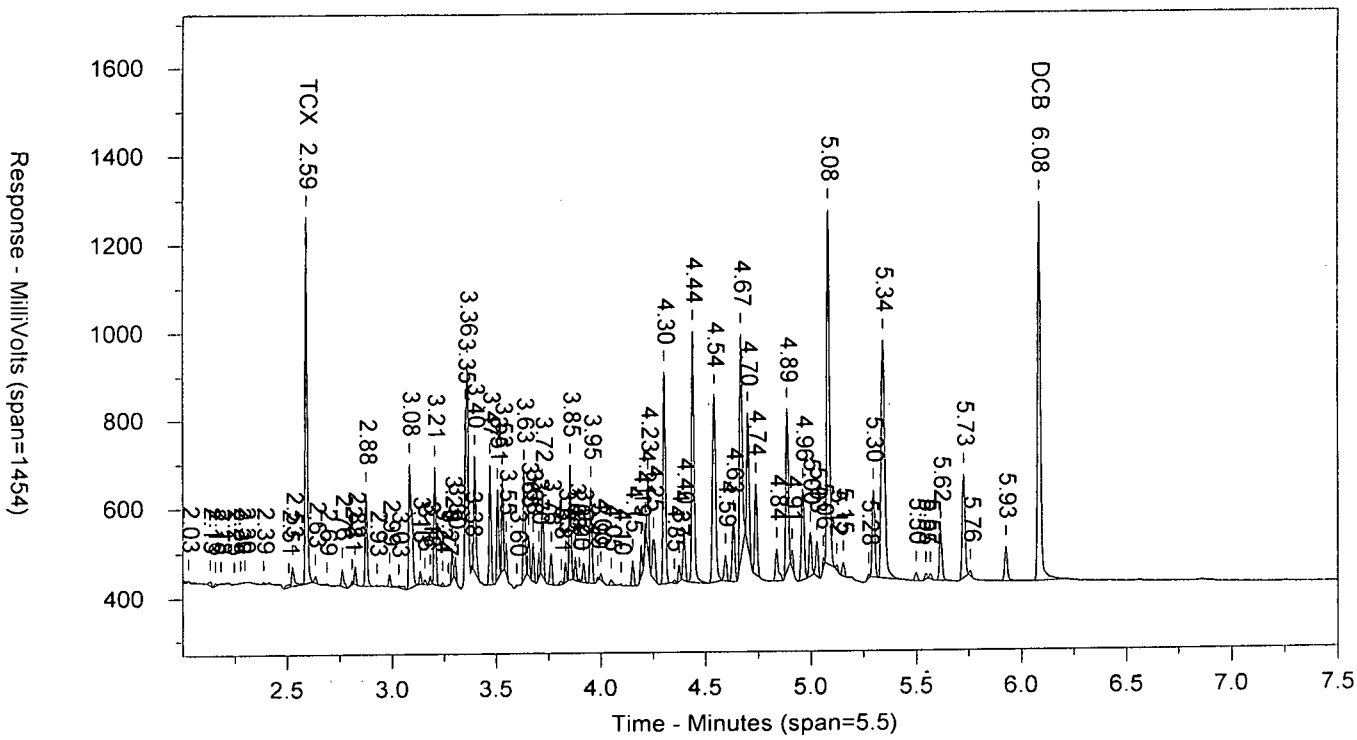

AR1611724B AAAR161AA ICAL 1728399999 10736 SW-846 8082

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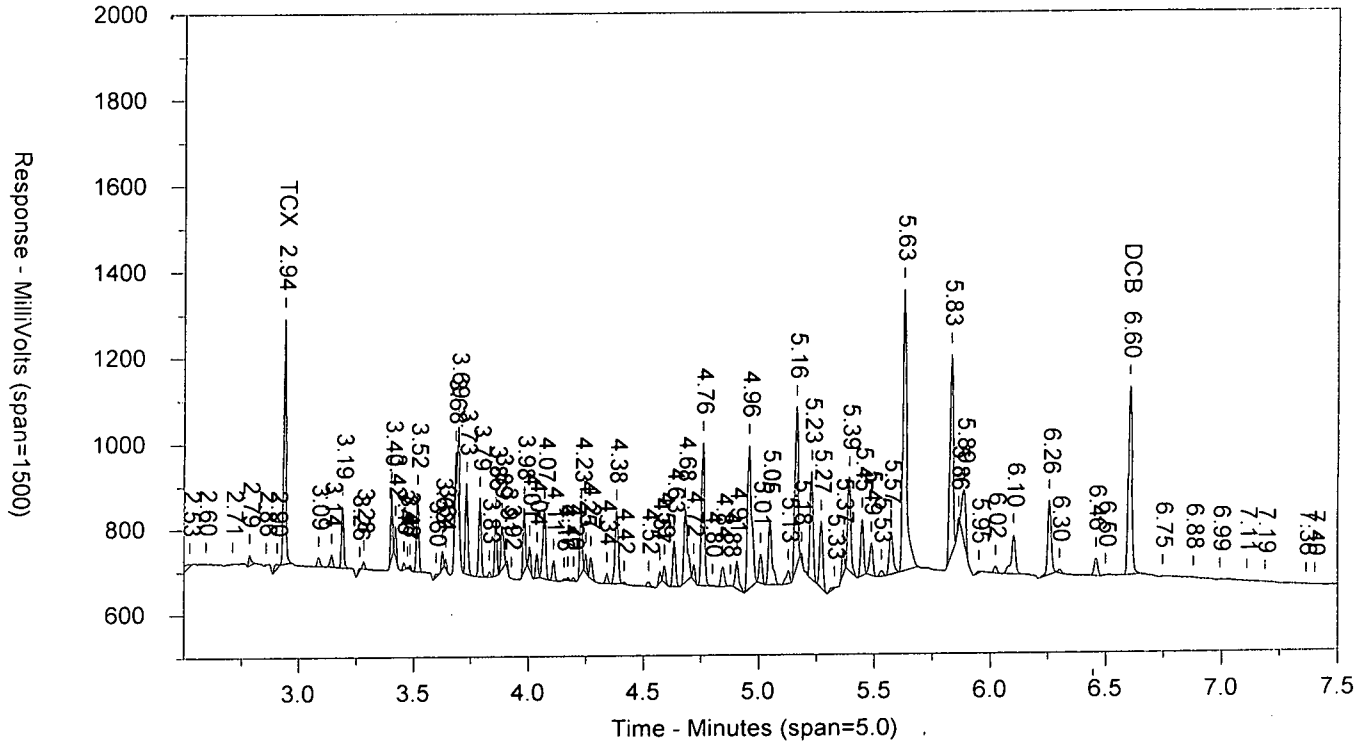

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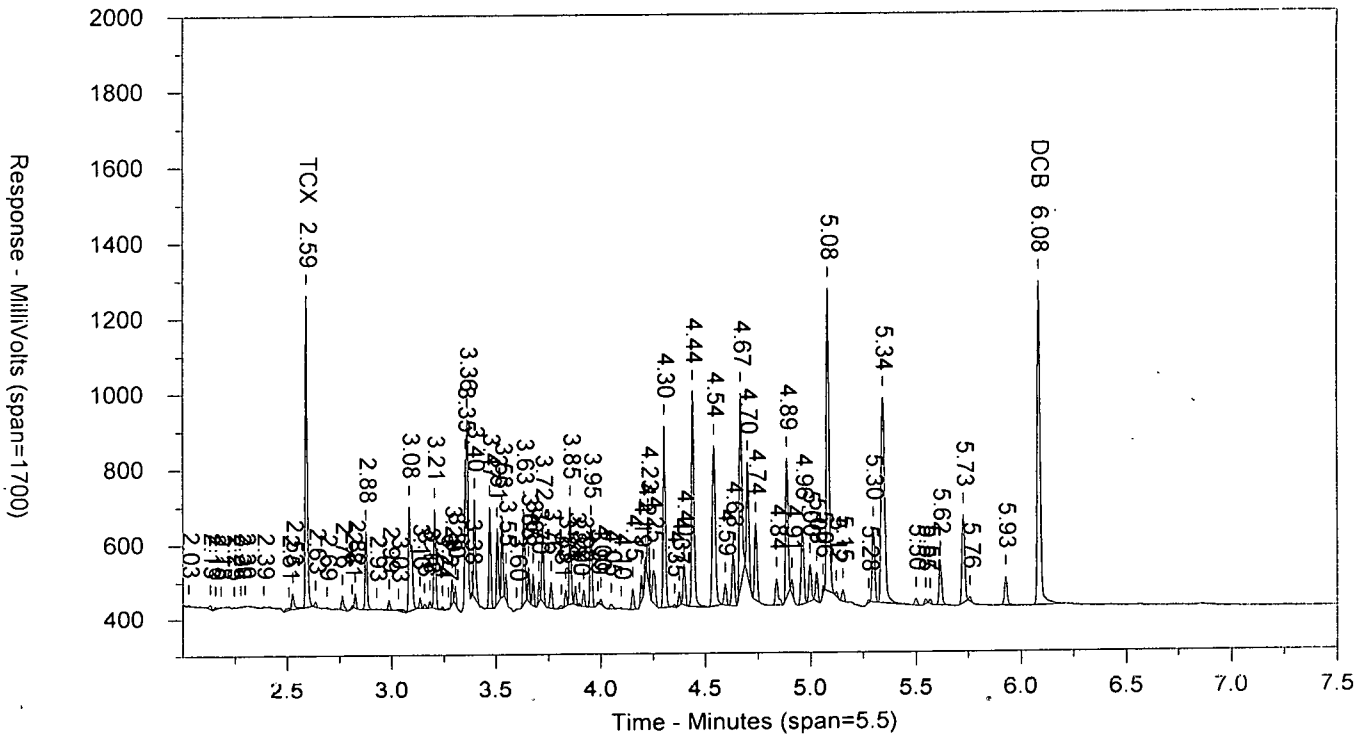

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 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: 07PCBS17284001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.609		8929	50238
1.7		1918	1097
1.736		5212	3199
2.002		2302	1694
2.063		12296	37943
2.086		8387	6835
2.17		1977	2272
2.232		6229	4685
2.332		27943	19244
2.431		3319	2342
2.494		16984	16338
2.524		13814	20277
2.542		11208	14092
2.573		4719	3090
2.615		4085	2482
2.707		4000	4778
2.785		28498	26976
2.865		19396	31398
2.898		6265	4758
2.936	TCX	1077407	755930
3.084		40277	33686
3.14		57768	48237
3.188		259217	182237
3.28		42022	49084
3.402		279295	164411
3.418		132802	70413
3.455		32487	17684
3.47		5681	2135
3.483		22306	11767
3.516		327325	238212
3.57		10173	6578
3.591		12455	7571
3.625		79071	45156
3.639		40370	20667
3.681		185280	103222
3.692		352908	167149
3.729		394499	301230
3.788		354647	256275
3.829		28340	18178
3.857		256826	178561
3.883		180294	149807
3.905		39565	19598
3.949		1813	568
3.98		268768	192171
4.004		99307	64695
4.035		112770	77842
4.068		306070	276816
4.107		92470	71073
4.153		9827	8987
4.173		5117	2816
4.193		16211	10932
4.227		290070	205904
4.246		72756	41370

RT A	Compound A	Height A	Area A
4.27		88672	70928
4.34		46685	38996
4.382		315674	303349
4.415		9212	6744
4.52		24320	21993
4.57		43112	27025
4.588		86045	56519
4.631		194645	175569
4.68		314154	346899
4.717		70637	49908
4.756		597940	571492
4.8		2844	1602
4.843		92676	95351
4.873		4785	3461
4.903		111143	111494
4.955		630956	764605
5.005		127246	117522
5.046		277365	316523
5.086		2693	1371
5.126		61710	70272
5.16		705957	666893
5.182		29500	15085
5.2		11166	4264
5.226		471568	434204
5.268		281052	274005
5.312		4024	3684
5.363		103381	82528
5.388		416908	384465
5.445		251941	225954
5.484		145770	146470
5.526		27340	27797
5.568		183934	212454
5.625		1274394	1496627
5.771		2734	1430
5.829		870702	842930
5.859		54113	28017
5.884		234489	264844
5.945		3171	2575
6.021		29040	29561
6.1		170311	218247
6.255		319845	339001
6.299		15390	13656
6.455		83298	82114
6.6	DCB	824243	885431
6.866		1538	369
6.989		1253	828
7.141		1518	1477
7.614		1401	641
7.645		1343	345
7.738		1327	706
7.869		1191	298
7.892		1511	573
8.047		1233	338
8.119		1492	820
8.159		1977	644
8.35		1218	940
8.461		1576	868
8.494		1606	505
8.57		1969	1635
8.661		1511	391

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 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: 07PCBS17284001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.532		8943	8124
1.606		3515	2053
1.689		1952	1997
1.758		1504	2360
1.796		6249	6255
1.817		6173	4905
1.9		42202	27898
1.967		12923	21916
2.028		6678	7135
2.127		8953	9974
2.157		5053	5536
2.222		6340	5973
2.277		4126	2507
2.32		9827	15287
2.387		4005	3350
2.415		9251	50078
2.508		12482	16906
2.525		16768	36880
2.591	TCX	1568783	994427
2.635		29154	18906
2.689		6680	5258
2.763		72948	55069
2.809		16497	7359
2.824		76576	42353
2.876		384286	250744
2.926		4623	2504
2.947		3653	3105
2.987		51925	32922
3.031		6071	11782
3.084		501091	497181
3.135		58697	33452
3.155		24228	14064
3.181		41035	21492
3.205		475711	313547
3.242		15267	9961
3.269		7794	3675
3.288		123243	63095
3.303		81406	39954
3.353		232583	111192
3.362		466233	200012
3.382		19182	6669
3.396		472827	317152
3.469		485871	312294
3.505		361689	229756
3.528		383072	210309
3.546		121325	61259
3.601		2657	3272
3.631		422943	285288
3.653		165782	88142
3.674		156143	91814
3.702		99069	50287
3.72		355655	217400
3.76		129608	91251
3.809		15347	12741

3.83		87376	52109
3.852		472839	308551
3.877		92917	54511
3.896		15473	7259
3.916		70069	44661
3.951		383854	274992
3.984		16286	8556
3.999		30229	17630
4.048		14116	13502
4.093		18053	13894
4.15		104057	73660
4.192		116159	70014
4.21		89080	42806
4.224		287615	168928
4.249		165867	164069
4.301		882277	676861
4.349		12176	8842
4.372		73228	48277
4.396		201534	151376
4.438		1046518	848751
4.539		782131	812240
4.592		108338	88386
4.631		253764	217631
4.666		1007946	849678
4.699		567120	416582
4.737		380940	308916
4.836		142558	136400
4.886		664819	548474
4.909		73245	45615
4.959		372673	343347
4.995		190414	151617
5.026		142669	116873
5.058		46214	27884
5.081		1535863	1335337
5.121		29939	20741
5.153		59782	48108
5.273		21204	12982
5.296		378177	316189
5.342		1068767	1246120
5.497		34386	30894
5.543		24834	18287
5.565		23718	17158
5.615		223019	196535
5.724		442849	399799
5.755		20899	12751
5.924		144009	134260
6.082	DCB	1561446	1503655
6.605		1660	2394
7.52		1489	1990
7.662		1133	2460
8.163		11152	22990

AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

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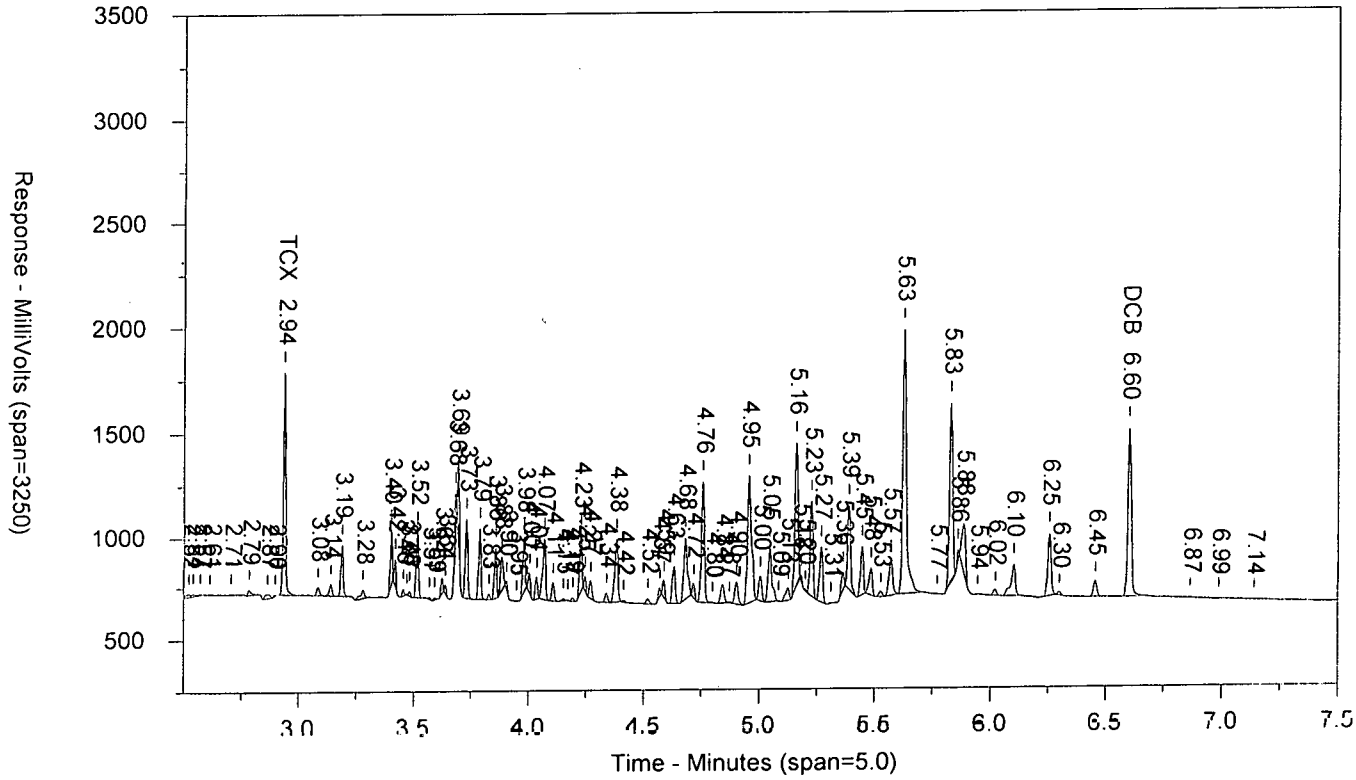

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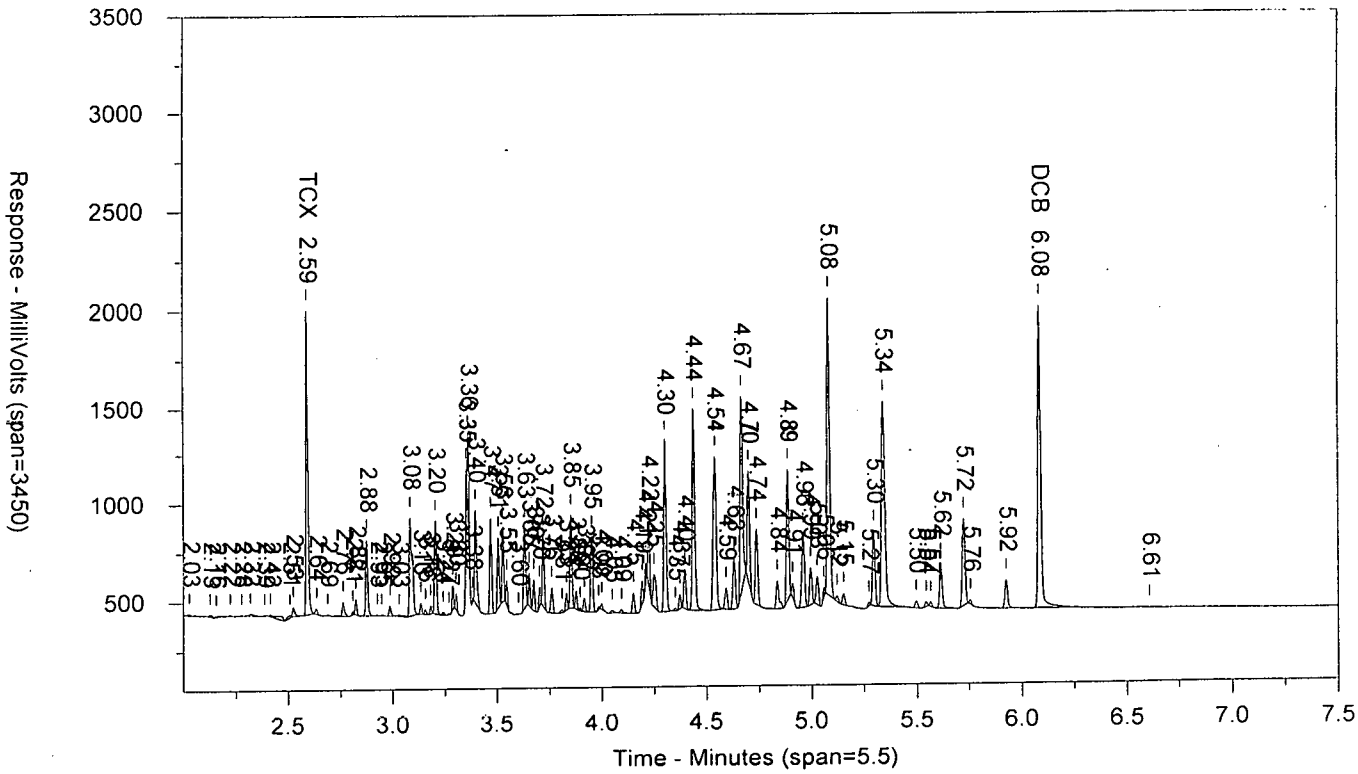

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:23:09 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
2.936	1077407	3.855	TCX	2.591	1568783	4.811	TCX
6.6	824243	4.298	DCB	6.082	1561446	4.907	DCB

Files:
Area File: 07PCBS17284001.0008.RAW
Area File: 07PCBS17284001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:31:54 PM
File Reported On: 10/11/2017 at 8:32:05 PM

AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

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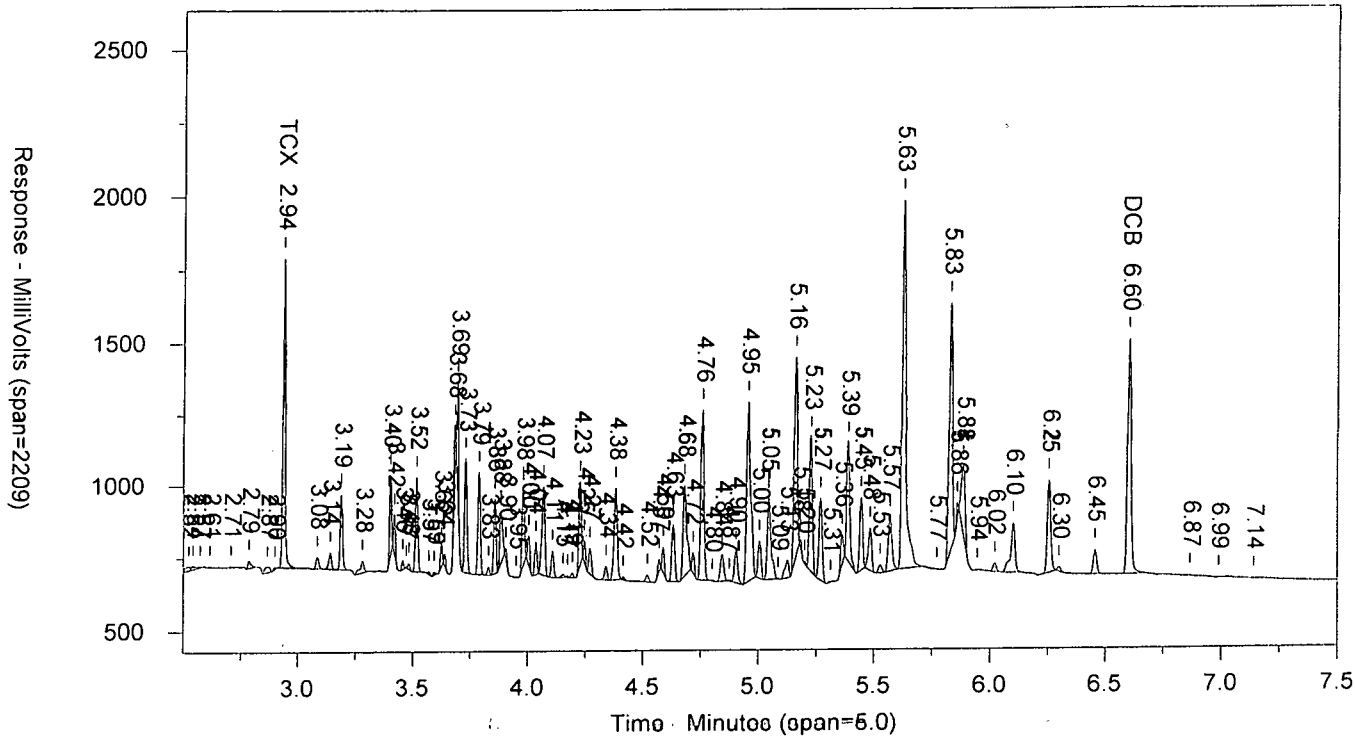

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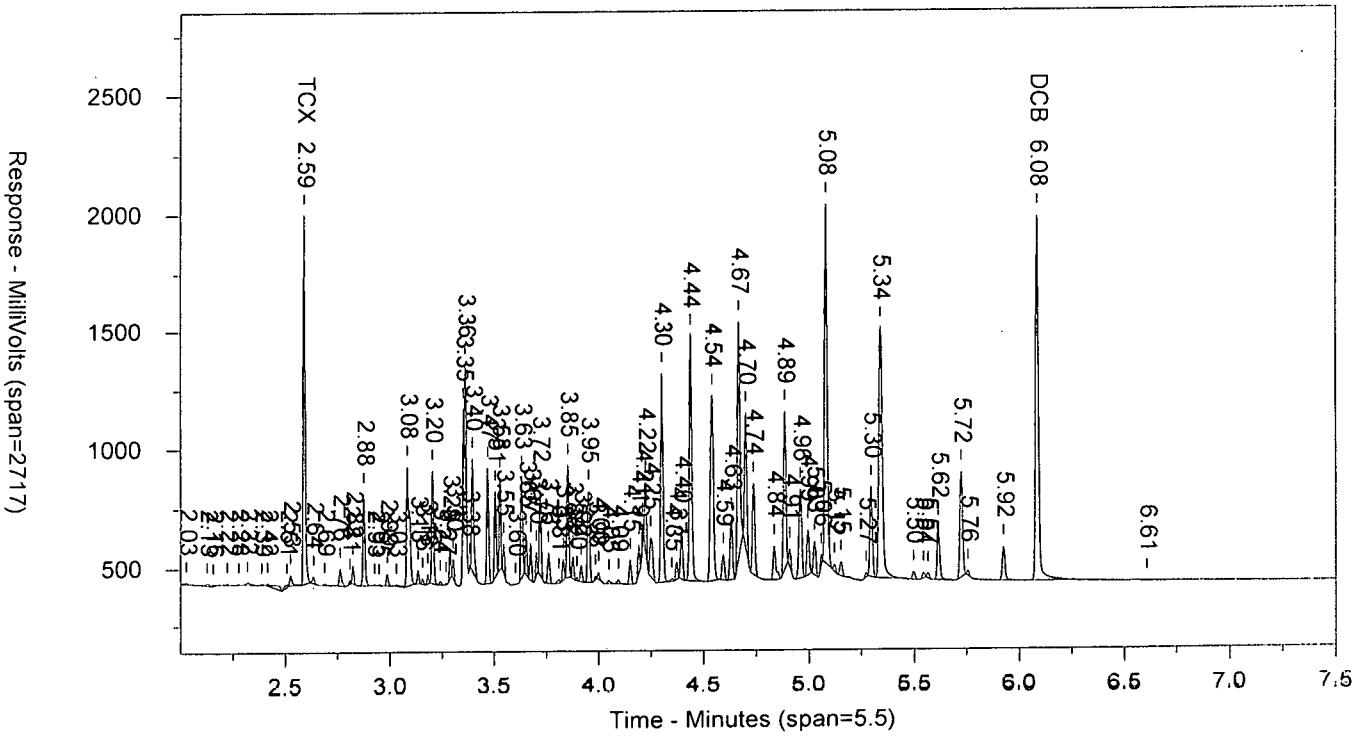

AR1621724B AAAR162AA ICAL 1728399999 10736 SW-846 8082

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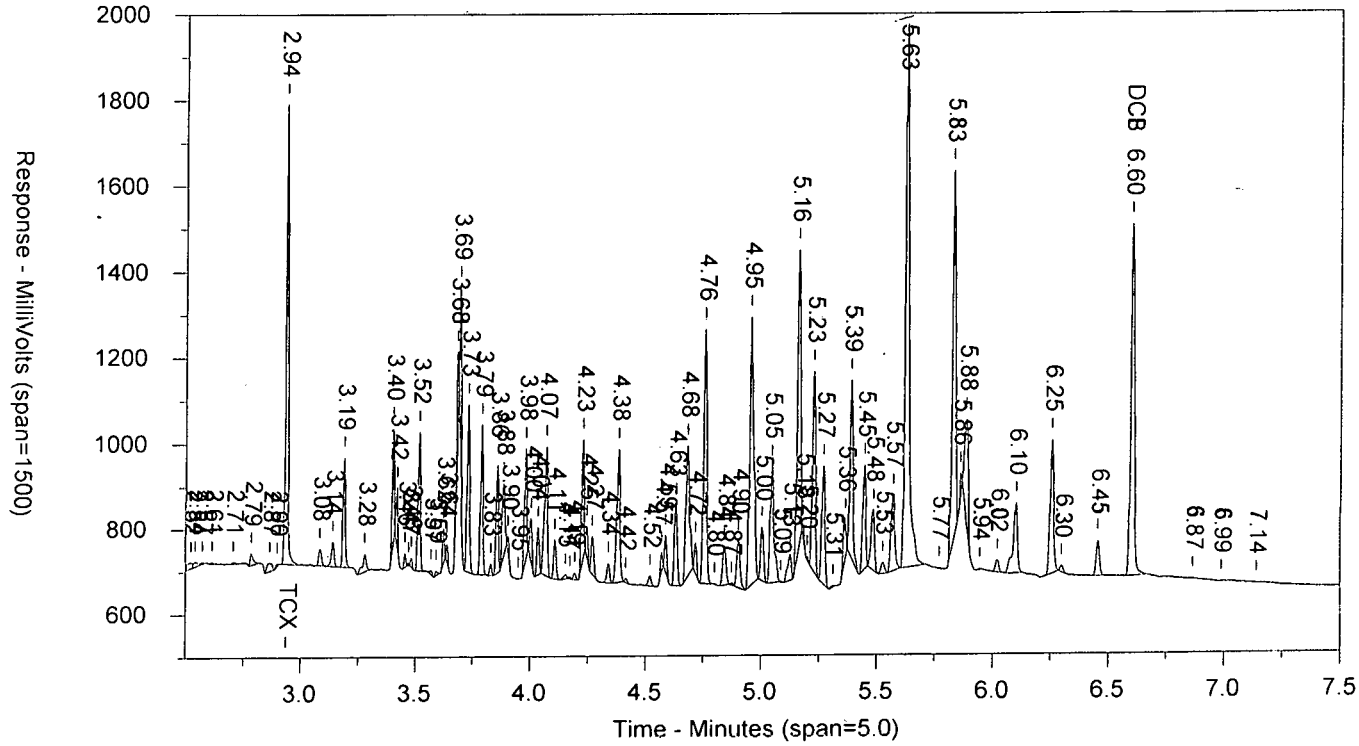

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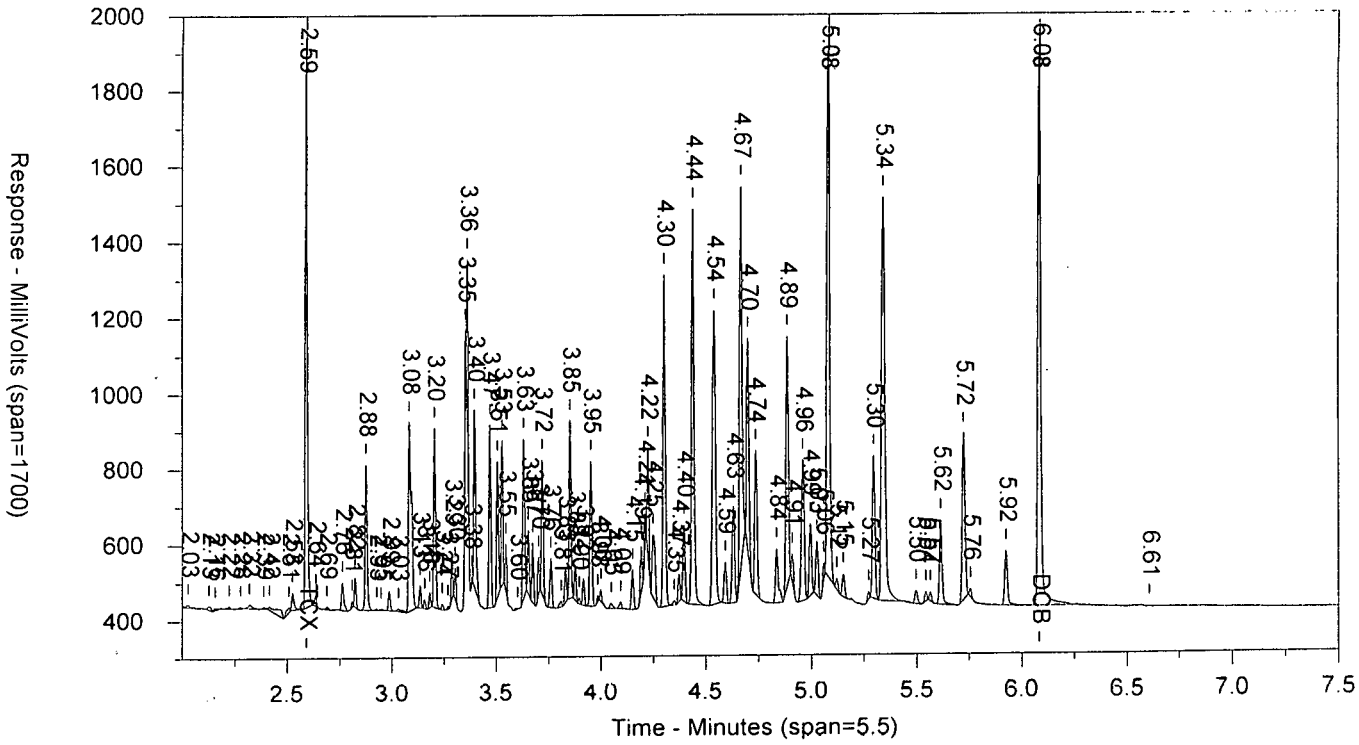

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 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: 07PCBS17284001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.545		22948	26940
1.578		31578	30853
1.628		8346	49380
2.006		21837	38022
2.05		23557	35051
2.089		7722	7076
2.177		3381	8142
2.234		26658	17931
2.332		40070	31420
2.517		16603	47052
2.575		7008	6258
2.785		17056	12851
2.854		2835	1235
2.897		7778	5632
2.936	TCX	5436629	3606828
3.084		83135	73918
3.14		123289	122219
3.188		488843	342439
3.264		15786	11264
3.28		62751	38294
3.401		525911	314840
3.418		256887	139019
3.455		65398	36621
3.47		8293	2807
3.482		41831	20751
3.516		622824	458606
3.571		27242	16256
3.592		21192	13458
3.624		146599	84185
3.639		80642	39061
3.681		389198	202808
3.692		645118	311318
3.729		723394	568052
3.788		636200	493463
3.829		54622	37635
3.856		465970	334611
3.883		329945	279263
3.906		84959	39815
3.98		515095	366646
4.004		203135	130745
4.035		210686	146046
4.068		558849	524977
4.108		179277	139252
4.154		22746	14830
4.172		4067	1594
4.194		34954	24933
4.227		529690	388196
4.247		145657	78069
4.27		166390	129225
4.34		96163	77514
4.382		600460	569027
4.415		17469	11132
4.477		3672	2150

RT A	Compound A	Height A	Area A
4.52		48460	43504
4.57		84432	54013
4.587		150732	102436
4.632		380145	338032
4.68		601934	654104
4.717		136916	93920
4.757		1181295	1085559
4.797		4094	3682
4.843		177574	185237
4.875		10111	6330
4.903		205738	202077
4.954		1154172	1446193
5.006		239822	222192
5.046		527059	607065
5.126		120142	137074
5.16		1353196	1277991
5.182		65142	33052
5.2		21654	9324
5.227		874247	820717
5.268		545015	528046
5.311		6196	6527
5.363		200119	160843
5.388		810825	736768
5.445		470649	427189
5.484		275368	279013
5.526		53413	56196
5.568		364819	405918
5.624		2331270	2791393
5.771		2314	1912
5.829		1626789	1558696
5.86		95267	56814
5.885		424128	484765
5.94		4395	4858
6.02		95119	87795
6.099		338811	480454
6.254		641226	653959
6.298		35519	31989
6.426		1264	416
6.455		199725	194864
6.493		1608	967
6.544		1418	730
6.601	DCB	3787977	3970074
6.891		1988	791
6.96		1910	582
7.044		2940	4539
7.391		1798	797
7.577		1156	1062
7.635		1513	410
7.663		1298	577
7.698		1490	621
7.886		1381	816
7.947		1770	759
8.06		1746	290
8.118		1757	545
8.367		1588	587
8.424		2235	1059
8.438		1168	780
8.508		1521	396
8.639		1502	777

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 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: 07PCBS17284001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B '	Height B	Area A
1.53		2357	1809
1.696		8818	19084
1.724		6822	3764
1.754		12392	28269
1.794		12325	16001
1.84		12890	35237
1.901		96774	105031
1.969		13856	37196
2.03		20943	20849
2.133		9591	9518
2.157		6283	6504
2.246		1943	1911
2.276		7547	5100
2.314		5313	11595
2.386		5795	4591
2.505		5141	8107
2.525		31579	24750
2.591	TCX	8474571	5169932
2.635		43447	23090
2.763		144223	106146
2.809		88390	42796
2.824		134797	70964
2.876		740565	474117
2.925		22313	12974
2.987		102582	63976
3.084		950383	937604
3.135		118556	69564
3.156		50522	29759
3.182		81377	44499
3.205		908793	604100
3.242		32749	19408
3.269		35746	17840
3.289		232890	122905
3.304		140654	69040
3.353		472483	207868
3.363		953961	421326
3.383		37477	12727
3.396		924386	622027
3.47		989465	620645
3.506		716472	444773
3.529		746977	415205
3.546		246833	124404
3.598		3886	4008
3.631		860334	566617
3.653		337689	180887
3.674		322742	188196
3.702		212463	105119
3.72		706976	441716
3.761		269662	189422
3.809		33684	27960
3.831		175096	105103
3.852		967492	621238
3.877		203552	119291
3.896		33105	15772

3.916		131770	82894
3.951		793058	548017
3.984		31615	16840
3.999		54883	34963
4.048		15318	15921
4.094		40511	35590
4.15		205997	150666
4.192		229824	141326
4.21		193156	91854
4.224		581600	333510
4.249		323028	331201
4.302		1788175	1348124
4.349		26048	19444
4.37		151296	98323
4.395		392176	302939
4.437		2087847	1676261
4.539		1576421	1611458
4.592		218819	176908
4.631		487266	429057
4.667		1943167	1644627
4.698		1083579	784274
4.736		751877	598164
4.835		235684	175217
4.853		32066	15232
4.886		1331503	1066208
4.909		156346	99392
4.959		709498	653641
4.995		369174	292514
5.026		273552	228936
5.058		92634	57709
5.081		3185476	2636041
5.122		56048	35890
5.152		125930	100458
5.273		42666	25771
5.296		719000	599952
5.342		1989653	2419345
5.497		105927	91831
5.543		47006	34107
5.566		84855	61626
5.615		403299	369544
5.724		890427	770338
5.755		43910	31784
5.924		332826	306795
6.082	DCB	7246212	6698817
6.254		3163	3092
6.535		5063	4770
7.889		2073	3918
7.968		1449	2753
8.164		10786	22521

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

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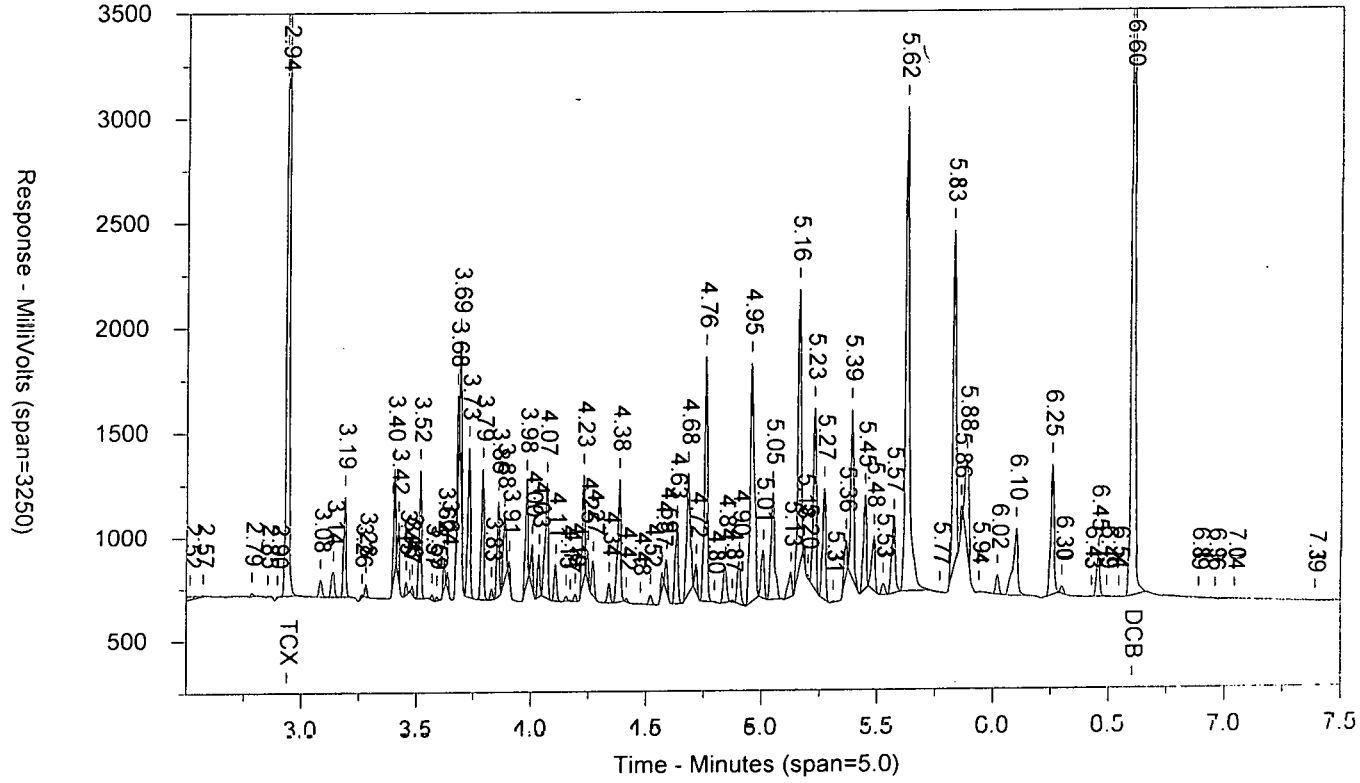

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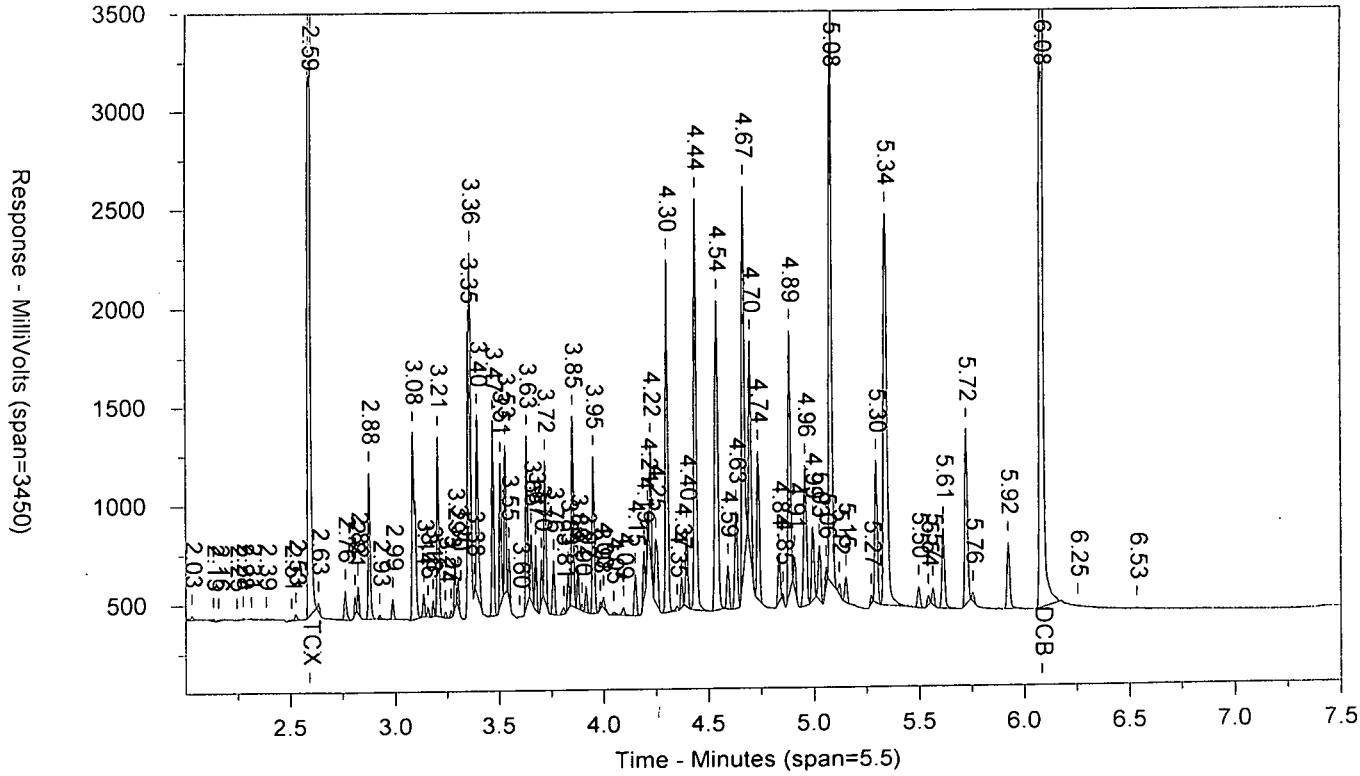

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:34:26 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
2.936	5436629	19.532	TCX	2.591	8474571	24.721	TCX
6.601	3787977	19.686	DCB	6.082	7246212	21.823	DCB

Files:
Area File: 07PCBS17284001.0009.RAW
Area File: 07PCBS17284001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:43:10 PM
File Reported On: 10/11/2017 at 8:43:23 PM

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

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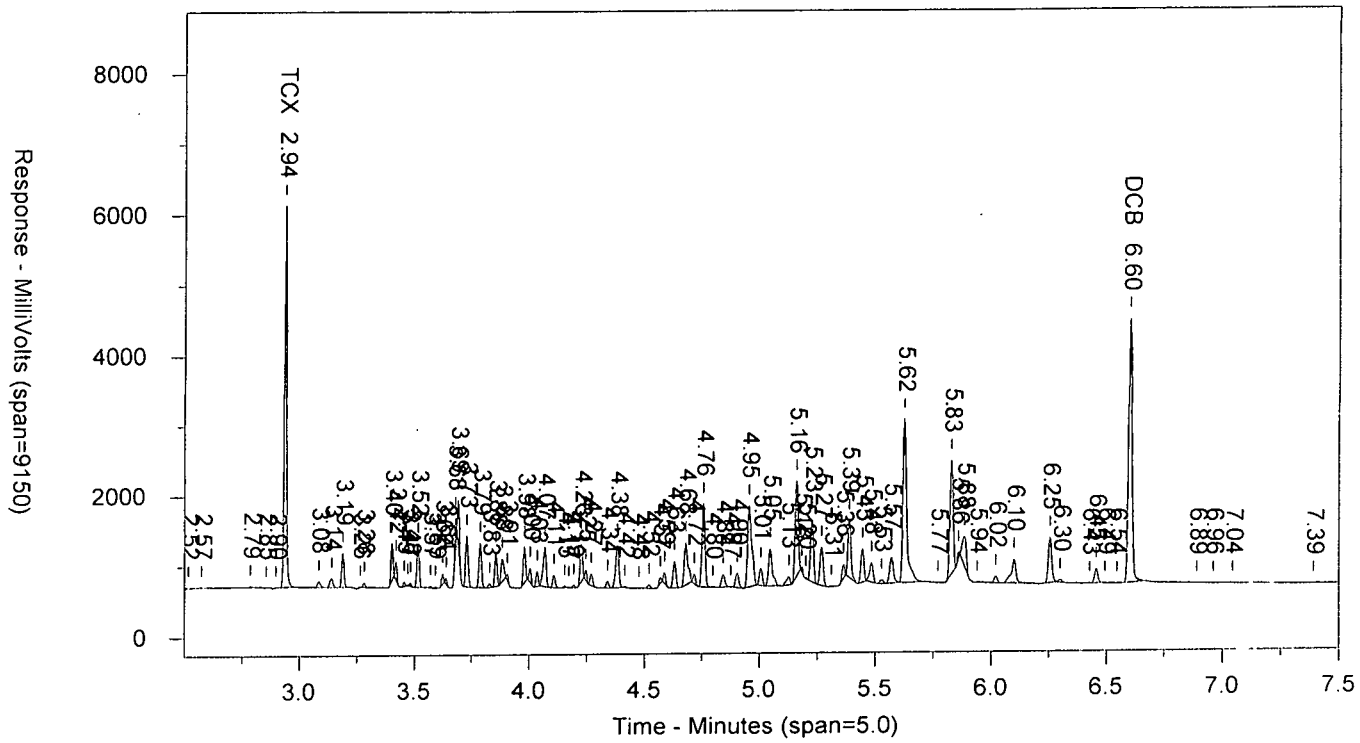

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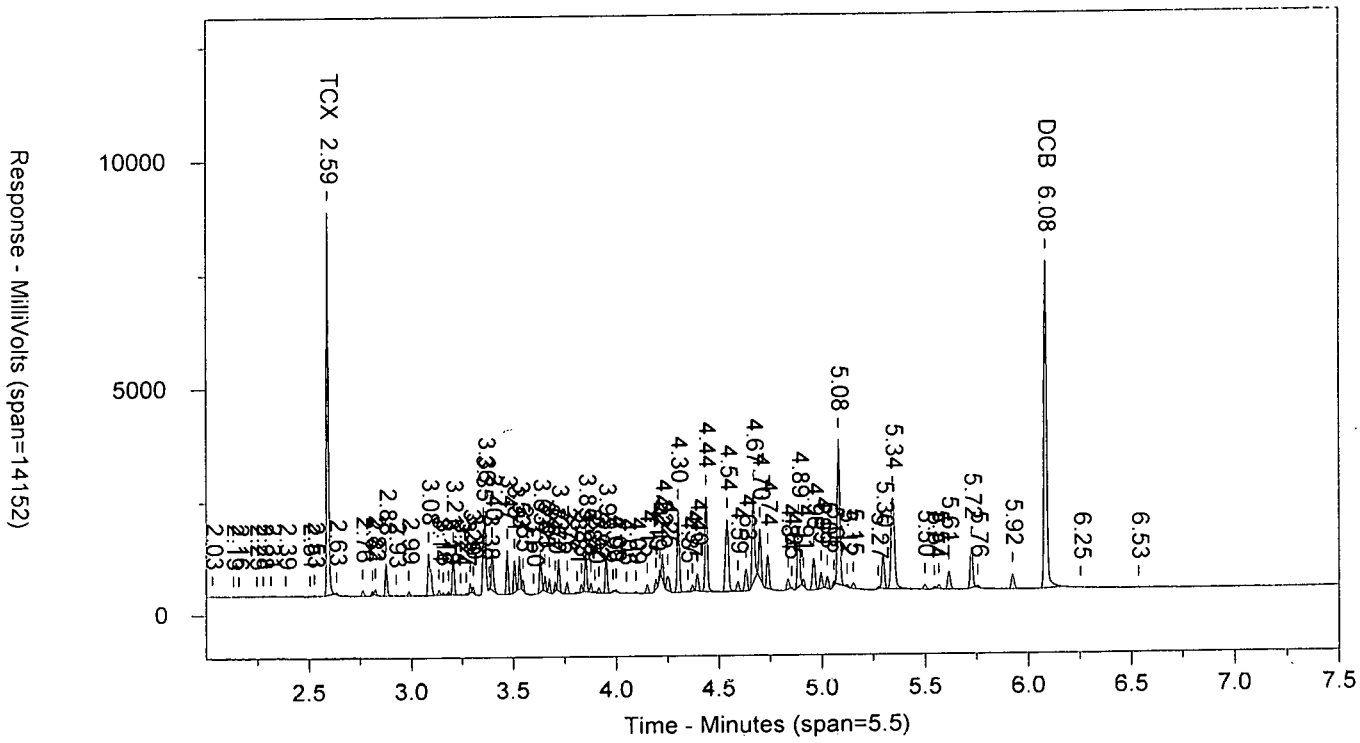

AR1631724B AAAR163AA ICAL 1728399999 10736 SW-846 8082

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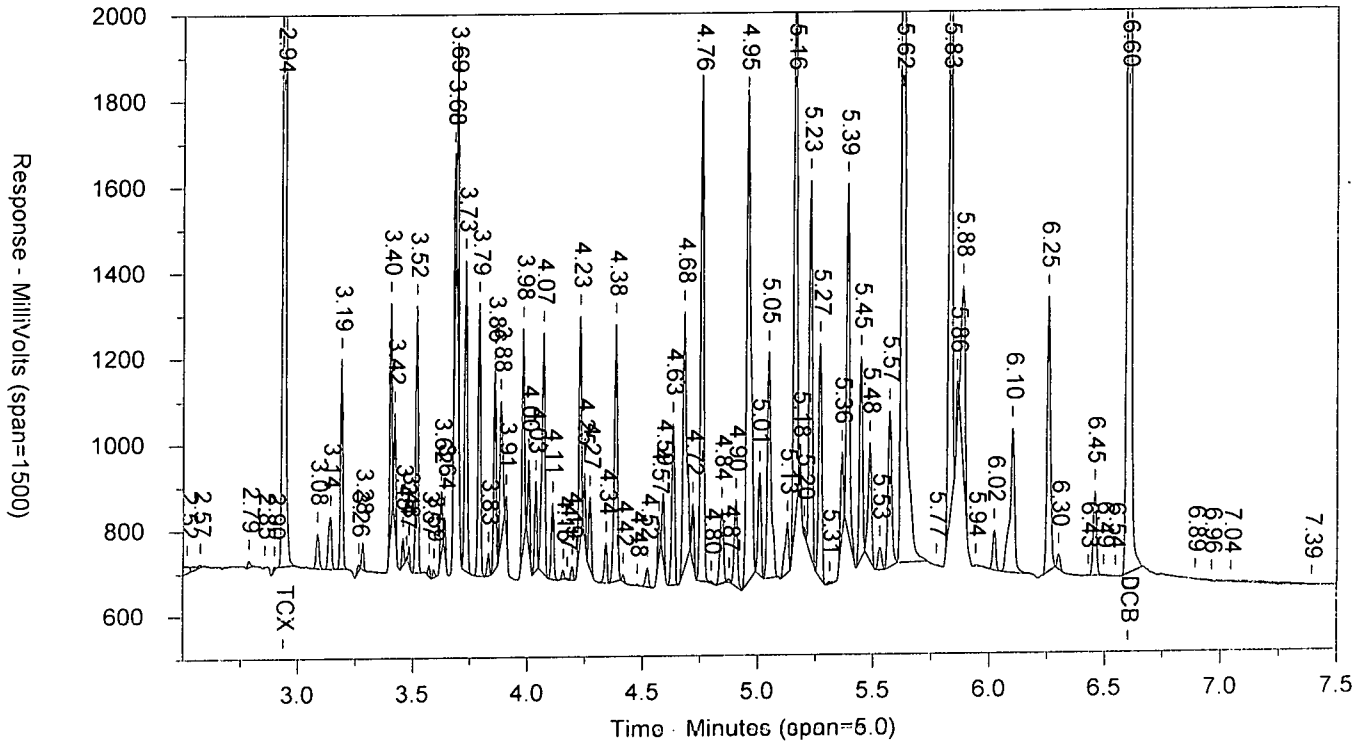

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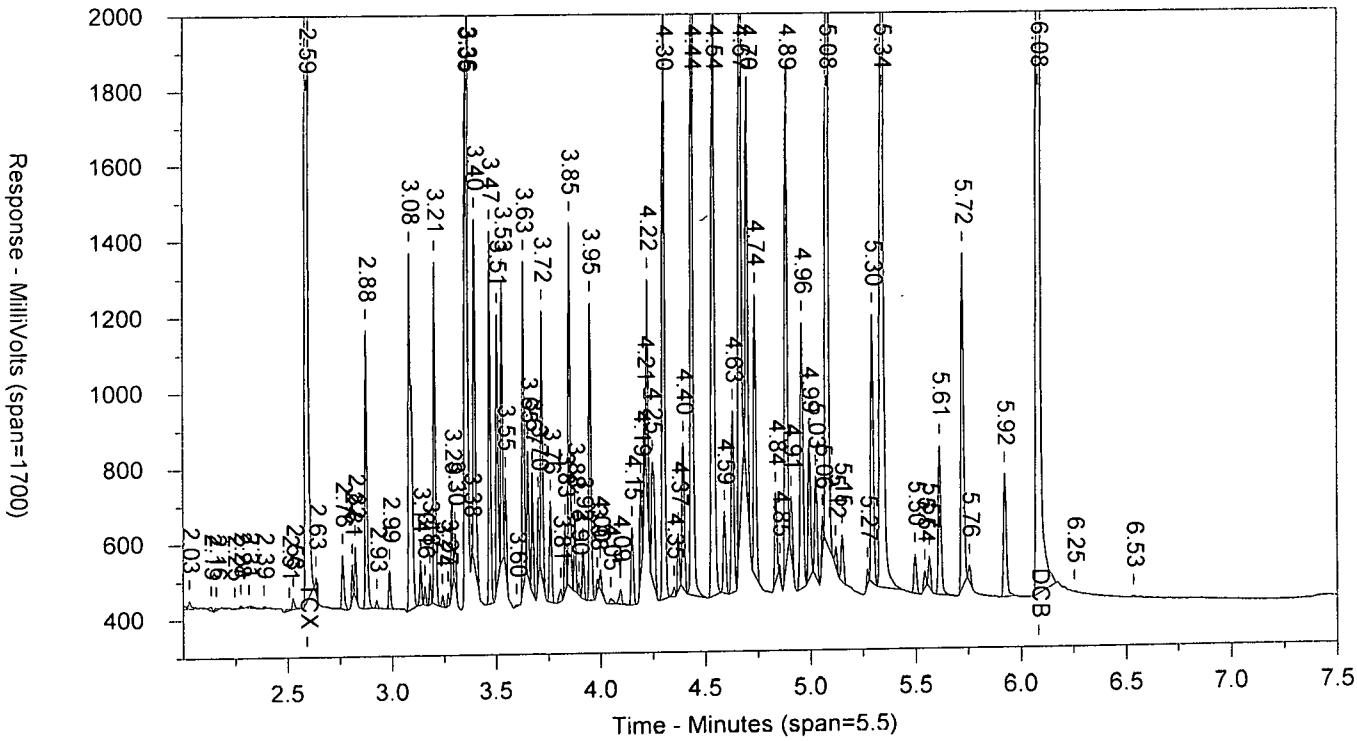

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 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: 07PCBS17284001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.579		24532	24010
1.614		9827	27548
1.736		5151	3002
2.007		15900	22768
2.06		9135	27937
2.088		7733	4892
2.123		6103	14083
2.163		16837	14981
2.205		10142	16433
2.234		58058	47528
2.333		43566	41816
2.365		5803	6392
2.418		1873	1336
2.432		5401	5645
2.499		19467	27940
2.524		19871	21915
2.543		18337	22335
2.576		18744	20048
2.617		7023	6661
2.706		4745	3766
2.787		20080	23326
2.864		2789	3362
2.937	TCX	10747070	7136836
3.034		4109	6076
3.085		160153	142498
3.141		229917	230862
3.188		917894	685880
3.264		22962	13890
3.282		112209	73238
3.321		3708	2414
3.403		941819	564791
3.419		448016	243982
3.457		120827	67999
3.472		14440	5885
3.483		68811	36080
3.517		1128810	839788
3.552		5790	2713
3.572		41167	25979
3.593		40594	25194
3.626		275893	158137
3.641		145904	72339
3.684		609784	314929
3.695		1239245	593930
3.731		1407519	1033154
3.79		1226921	896422
3.831		99496	67868
3.859		831817	597720
3.885		584857	483698
3.906		153063	79573
3.981		897945	644336
4.006		346364	228082
4.037		368809	263807
4.07		1016596	940966

RT A	Compound A	Height A	Area A
4.109		325760	254495
4.156		45691	36972
4.195		68505	49748
4.229		910476	675289
4.248		233762	128298
4.272		301661	229044
4.341		163622	135508
4.384		1072269	997780
4.418		32842	22912
4.479		10327	8893
4.521		99418	91984
4.572		154937	93022
4.589		273216	184684
4.633		655476	604245
4.682		1036298	1157550
4.719		234977	167497
4.758		2163916	1943034
4.801		9668	6893
4.844		314032	331592
4.876		18757	11675
4.905		363810	346363
4.957		2099161	2613151
5.007		432877	405584
5.048		1007646	1111101
5.089		6594	2852
5.128		221235	254141
5.16		2726046	2414319
5.183		122056	63098
5.202		41404	17536
5.227		1706854	1507779
5.27		1004377	963135
5.313		3838	2229
5.364		396117	303370
5.39		1509693	1359064
5.446		853719	781236
5.486		504415	519392
5.528		106094	104162
5.57		642930	742247
5.626		4538190	5312490
5.831		3137778	2970821
5.862		194084	128674
5.887		781177	897249
6.022		139669	138524
6.102		641597	882338
6.256		1247267	1255898
6.3		75205	65002
6.419		1673	537
6.456		364589	377241
6.603	DCB	7885810	8097231
6.992		1534	1497
7.047		5826	6014
7.174		1438	336
7.288		2032	335
7.511		1795	529
7.633		1660	623
7.682		1408	432
7.787		2525	3050
7.94		1604	825
7.995		1383	796
8.039		1429	482
8.11		1668	630
8.239		917	153
8.379		1776	716
8.564		1482	593
8.585		1793	567
8.619		1182	934

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LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 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: 07PCBS17284001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.503		1367	477
1.53		10711	13278
1.607		4244	3454
1.683		7463	18601
1.761		18716	43637
1.794		16937	18953
1.816		20204	29218
1.864		14964	25073
1.902		126185	143052
1.967		21332	35599
2.029		38166	37378
2.124		12722	14988
2.158		5592	5881
2.18		2750	1743
2.223		8646	4911
2.276		15005	9396
2.322		11525	13199
2.361		2895	2588
2.387		6658	5031
2.415		8808	6888
2.508		11258	13189
2.526		28646	19020
2.592	TCX	16620990	10162940
2.635		76712	42056
2.691		8741	7565
2.763		267909	202462
2.809		163149	77048
2.824		249669	131285
2.876		1340818	887338
2.925		40893	22423
2.949		5087	3463
2.987		186267	120816
3.033		5104	4158
3.084		1700873	1701522
3.135		206176	125422
3.156		95240	55198
3.181		148919	80443
3.205		1628211	1111990
3.242		62747	37317
3.269		62423	31159
3.289		421571	217793
3.304		242967	121585
3.354		823793	387494
3.364		1815297	786960
3.383		63415	22727
3.397		1685870	1145931
3.471		1828152	1154137
3.506		1311918	802289
3.53		1393486	759008
3.547		445024	221132
3.633		1550078	1034550
3.655		597456	323511
3.676		585066	339076
3.704		361491	181275

3.721		1295408	789207
3.762		473449	342271
3.81		64541	56688
3.832		333450	196198
3.854		1744874	1115735
3.878		363202	211684
3.897		58890	28378
3.917		218656	137857
3.952		1407069	970098
3.986		56970	31644
4		104162	65561
4.049		8677	4332
4.095		89167	84849
4.152		378232	271155
4.193		421719	262771
4.212		333848	178192
4.226		1060053	587311
4.251		586313	593825
4.303		3192197	2441203
4.351		42512	31535
4.373		259056	174405
4.397		711002	535666
4.439		3994192	3062361
4.541		2868941	2980593
4.593		387157	318911
4.632		902769	771409
4.668		3725218	3131595
4.7		2006272	1467296
4.738		1443658	1117345
4.837		450477	328275
4.854		41661	23954
4.888		2644500	2015912
4.911		295515	185644
4.962		1300153	1204077
4.997		696240	550428
5.028		549280	431496
5.06		191388	114299
5.082		6113648	5199741
5.124		109713	79380
5.154		236779	185730
5.274		73206	46042
5.298		1341948	1136705
5.343		4053723	4734410
5.498		161487	138292
5.544		95441	70446
5.567		104246	77938
5.616		781105	715910
5.724		1760743	1509252
5.756		87418	60067
5.925		614807	570639
6.084	DCB	14597910	13404840
6.255		6574	10032
6.535		12772	15911
6.71		2925	3802
6.772		4344	3975
7.376		1773	1876
7.588		2248	4102
7.816		1245	1206
8.163		10554	19463

AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

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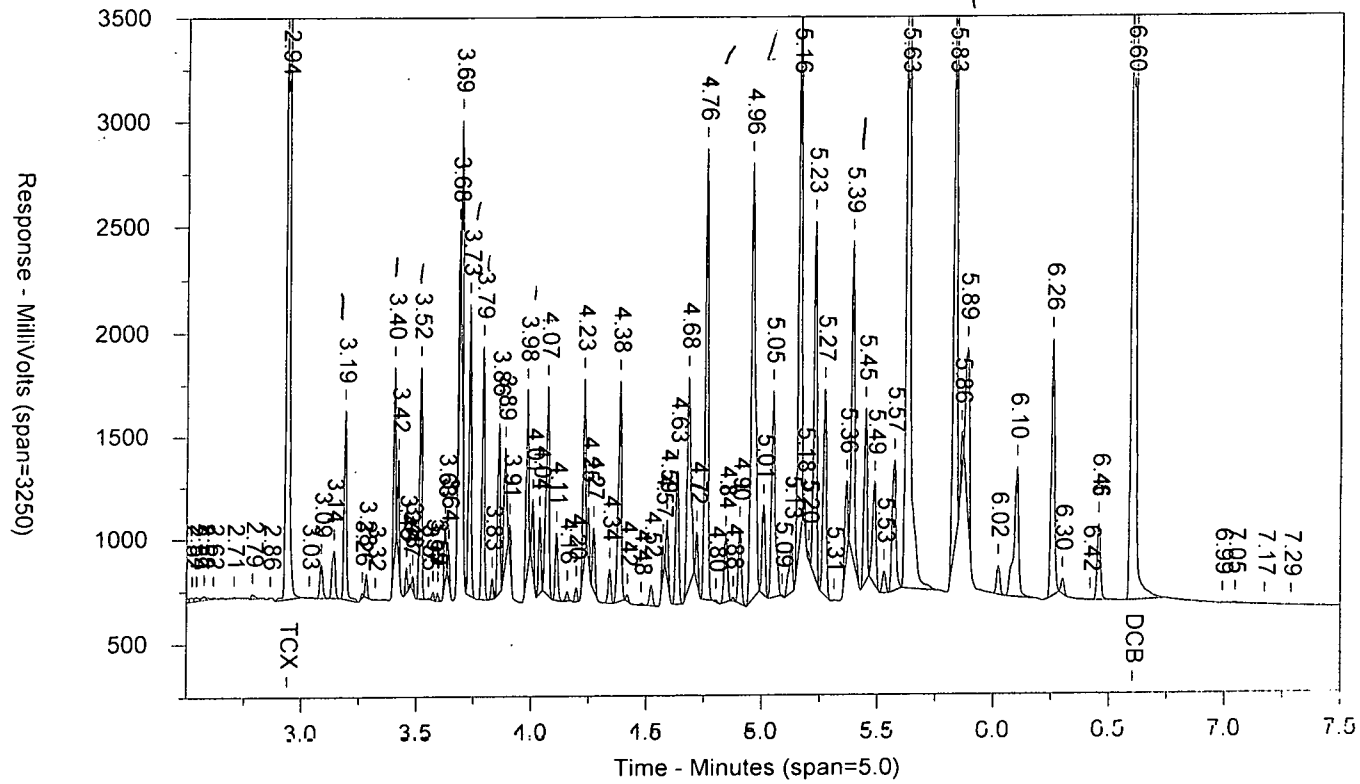

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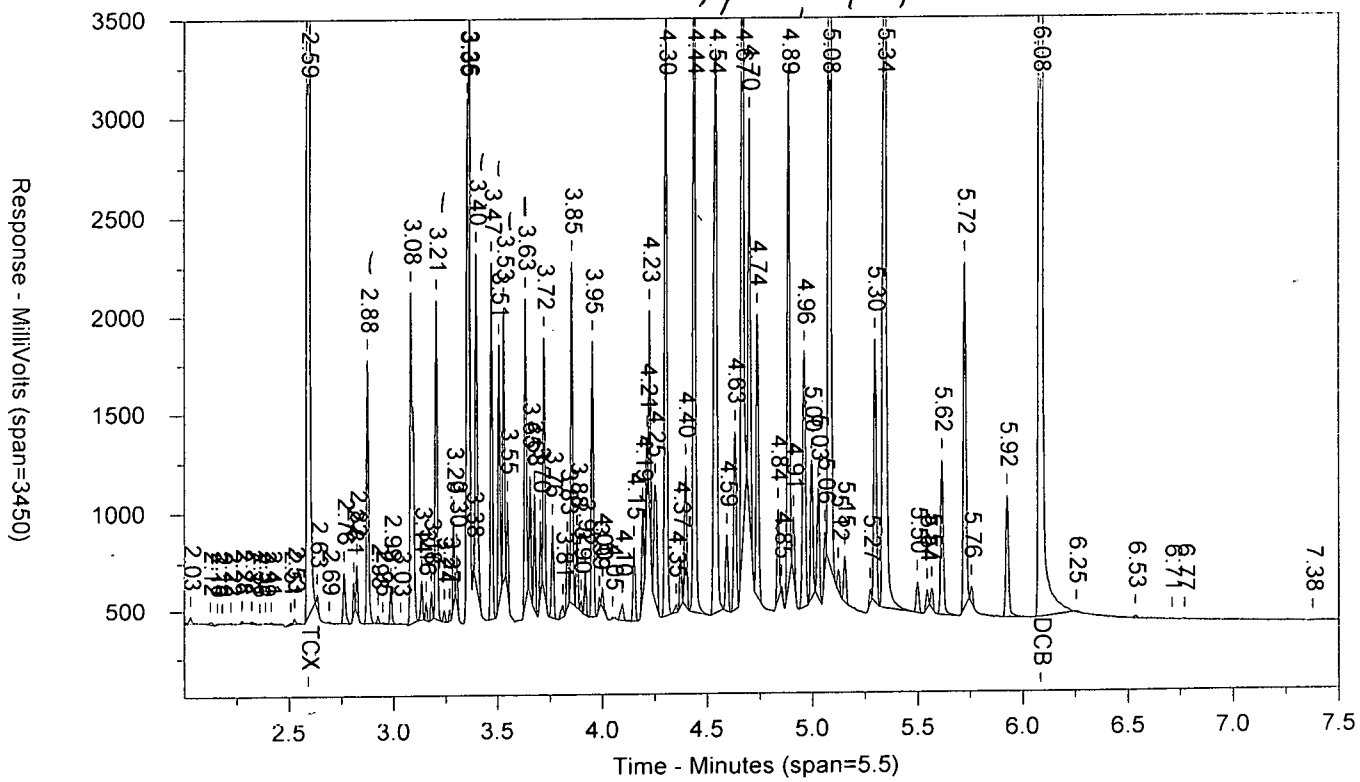

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:45:54 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	10747070	38.639	TCX	2.592	16620990	45.52	TCX
6.603	7885810	40.843	DCB	6.084	14597910	42.333	DCB

Files:
Area File: 07PCBS17284001.0010.RAW
Area File: 07PCBS17284001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 8:54:38 PM
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AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

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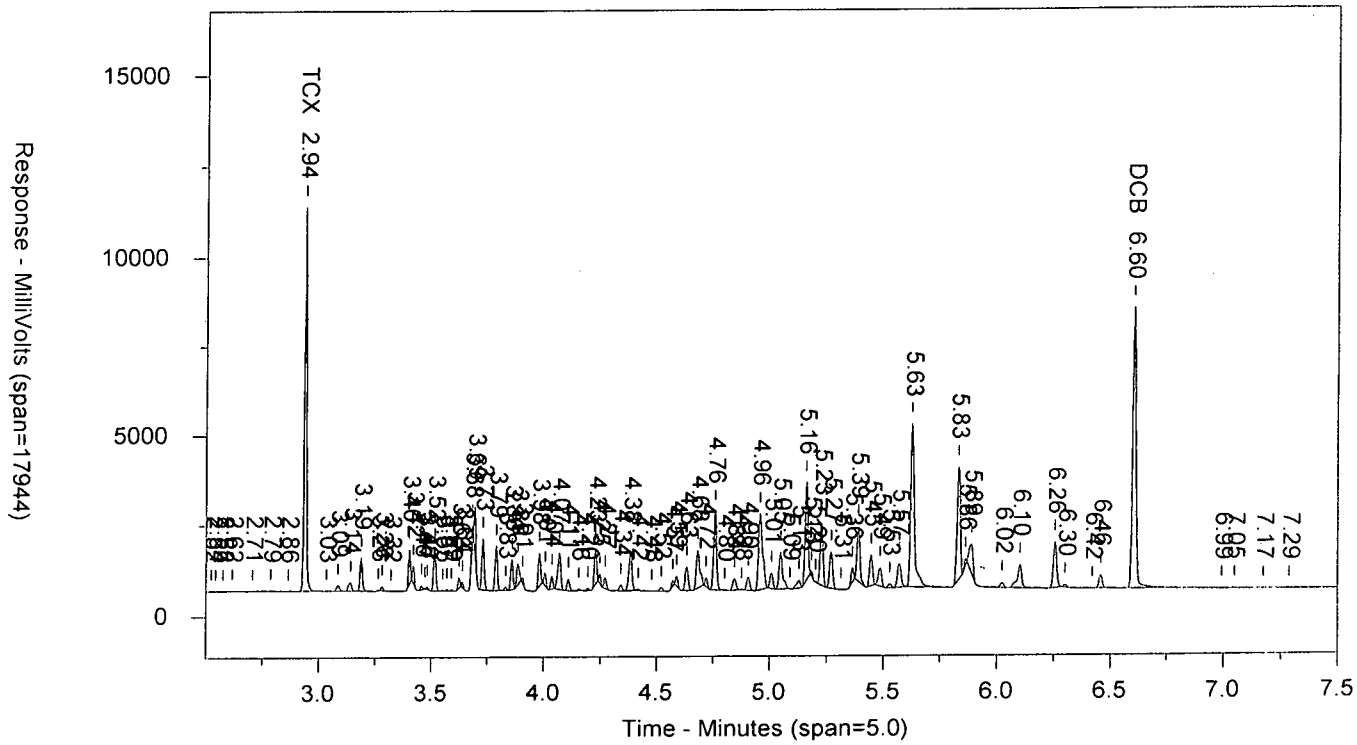

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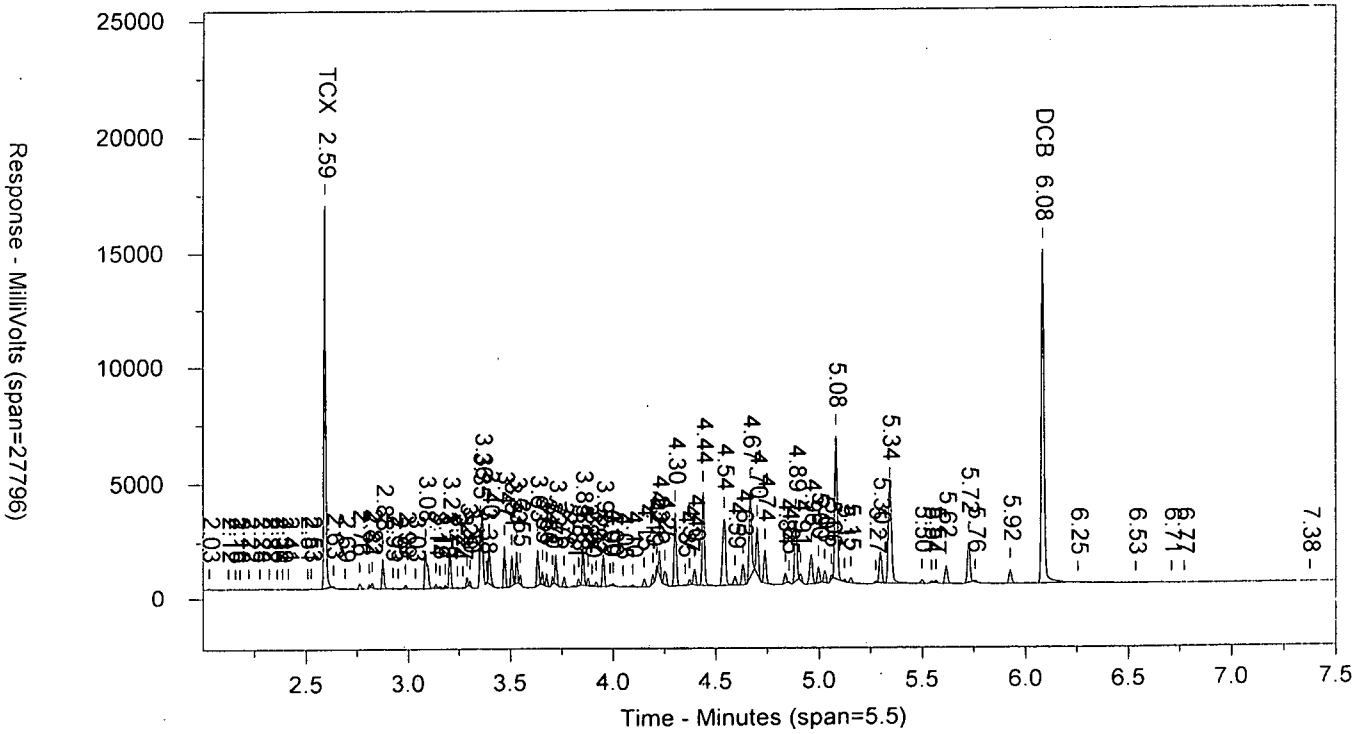

AR1641724B AAAR164AA ICAL 1728399999 10736 SW-846 8082

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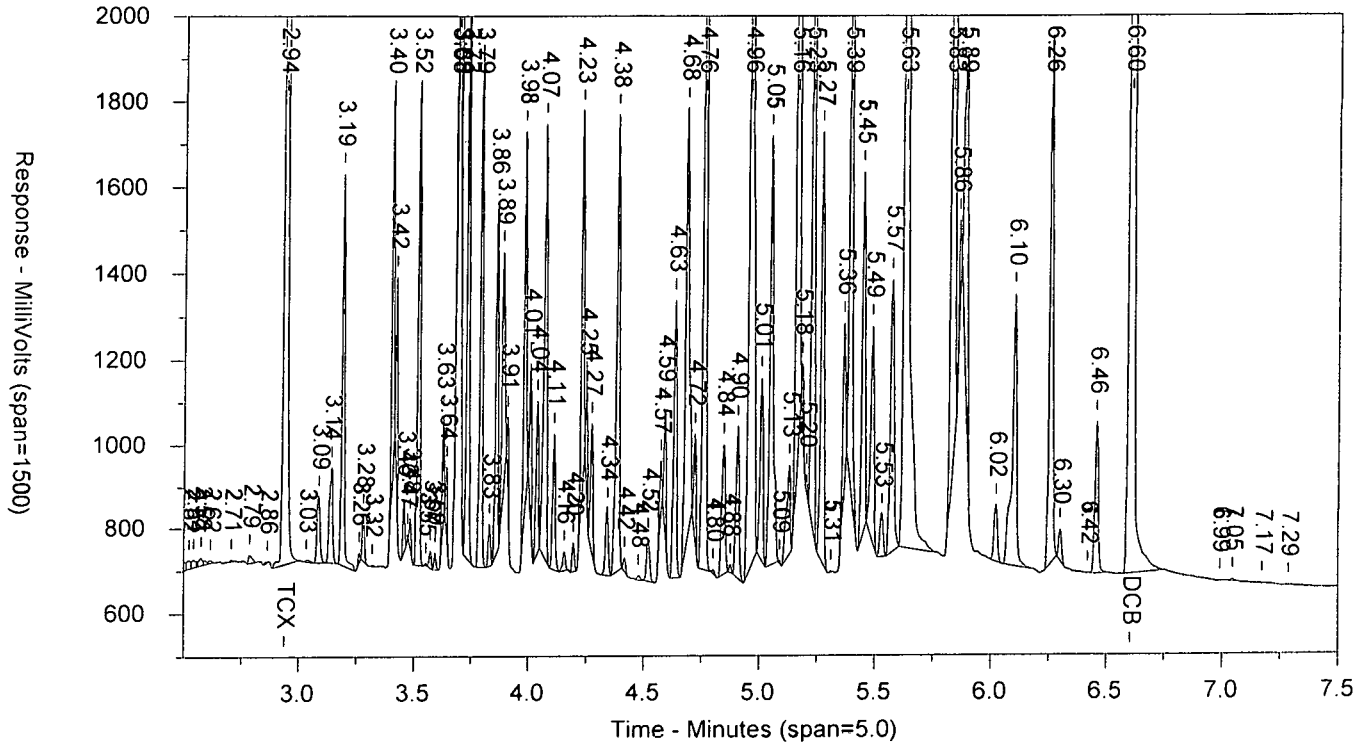

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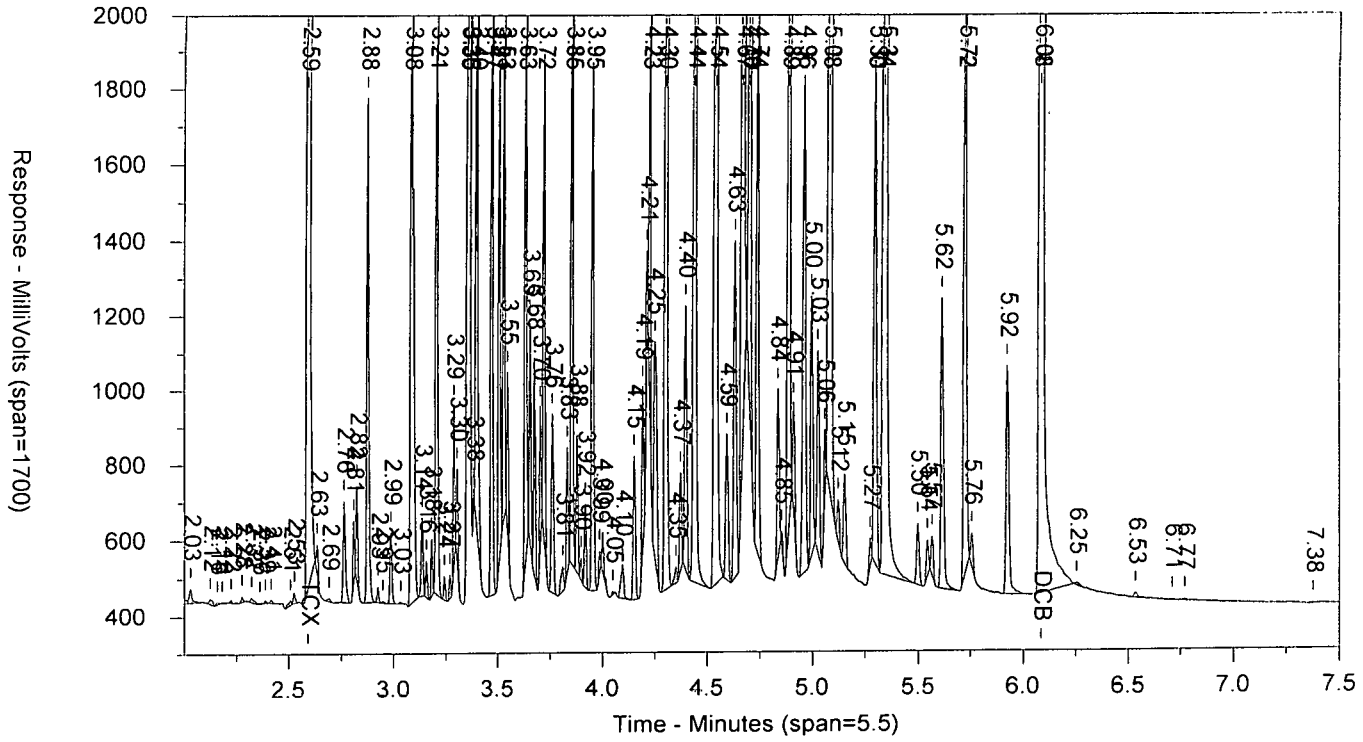

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 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: 07PCBS17284001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.518		3851	2924
1.594		14531	36714
1.701		5461	3820
1.738		4164	4362
1.781		2555	1058
1.917		7001	4943
1.977		1542	1365
2.06		22676	47014
2.093		24497	36158
2.128		19984	29705
2.165		5127	3079
2.209		1897	904
2.235		84959	58955
2.333		19518	11125
2.429		8416	6687
2.498		17751	21349
2.524		21808	27315
2.545		16326	23310
2.575		31146	31504
2.616		10994	9943
2.707		9466	8058
2.786		21563	26335
2.852		3236	1401
2.901		5174	5184
2.937	TCX	16314750	10793570
3.039		7790	11113
3.085		387968	350642
3.141		508889	455820
3.188		2159377	1531634
3.264		30755	17178
3.281		280807	181580
3.322		6297	3398
3.403		2286460	1315939
3.419		1094760	585304
3.457		283063	161979
3.472		41399	15384
3.483		176672	85708
3.516		2808996	1974943
3.553		14274	6911
3.572		51798	30310
3.592		103782	66253
3.625		630052	357108
3.64		355816	174201
3.683		1636763	815783
3.694		2991113	1478481
3.73		3354816	2470650
3.789		2999850	2146425
3.83		232116	161589
3.858		1932255	1378669
3.884		1377186	1122099
3.906		343762	186217
3.98		2151702	1516831
4.005		799945	511976

RT A	Compound A	Height A	Area A
4.036		873397	619660
4.069		2374107	2240354
4.109		749384	589664
4.155		117867	101995
4.194		162722	125001
4.229		2200067	1614799
4.248		550548	305753
4.271		686334	527757
4.341		388978	321134
4.383		2512294	2335592
4.417		79254	55654
4.479		27804	22189
4.52		254332	235199
4.571		337213	211919
4.588		603405	416098
4.633		1653623	1411393
4.681		2453658	2716824
4.718		567992	401562
4.757		5258045	4700288
4.801		29037	22462
4.844		746815	771991
4.877		48828	30068
4.904		830545	772305
4.956		5223461	6307468
5.006		1014591	917616
5.046		2348139	2646952
5.088		15055	7611
5.127		484617	582505
5.161		7037652	6047379
5.182		277868	136774
5.202		87477	40053
5.227		3996110	3641682
5.27		2480657	2275765
5.364		883599	746709
5.389		3639979	3316878
5.446		2069534	1788444
5.486		1128997	1183972
5.527		235535	249021
5.569		1501646	1691084
5.626		11916030	12656200
5.831		7743584	7223196
5.862		429728	273146
5.886		1869820	2051009
6.022		292668	292444
6.102		1448699	1973023
6.256		2863802	2862805
6.301		179970	153358
6.458		794230	820018
6.605	DCB	12173620	12089460
6.999		2144	844
7.05		7977	9269
7.21		1696	1193
7.295		1726	587
7.668		1653	742
7.784		1513	314
7.799		1987	573
7.983		1218	452
8.071		1423	318
8.097		1454	572
8.124		1287	337
8.368		2116	498
8.427		1329	540
8.459		1351	871
8.58		2235	3523

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 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: 07PCBS17284001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.502		2327	803
1.53		6873	5951
1.559		6237	4796
1.607		10345	7298
1.651		3667	6698
1.712		18274	21915
1.771		8764	20956
1.798		5431	5422
1.817		13849	10237
1.903		148232	111576
1.969		11944	24418
2.03		56123	46467
2.125		19158	18711
2.162		4961	4847
2.184		3338	2525
2.224		15565	12333
2.276		41046	30902
2.321		14578	11480
2.388		4664	2797
2.416		14209	9865
2.509		13813	10852
2.525		28855	17907
2.548		4618	2763
2.592	TCX	25066130	15454780
2.635		203358	121394
2.691		11224	8402
2.741		1742	1067
2.763		635610	494367
2.809		224369	102836
2.824		570721	325401
2.876		3103431	2061917
2.925		60072	33932
2.951		6402	5176
2.987		428390	289644
3.034		6119	5225
3.084		4004865	3980198
3.135		495946	299361
3.156		231598	132442
3.181		337069	189900
3.205		4071064	2652796
3.242		156494	96260
3.27		77311	36923
3.289		1030258	524518
3.304		602755	280273
3.354		1894521	929520
3.363		4601910	1917828
3.383		139667	49509
3.397		4263534	2806925
3.47		4526304	2799988
3.506		2955980	1851698
3.529		3189301	1755407
3.547		965686	481098
3.6		3534	3130
3.632		3620226	2406536

3.655		1359549	716996
3.675		1284530	762440
3.703		857410	441032
3.72		3163714	1860193
3.762		1070763	784590
3.81		154334	135551
3.832		712245	433105
3.854		4120641	2584778
3.878		835592	477715
3.896		125322	60610
3.917		472451	298358
3.952		3307990	2239510
3.985		137575	78577
4		246556	152288
4.062		29215	30074
4.095		230123	224041
4.151		861235	629110
4.193		970501	586241
4.212		726109	368460
4.225		2471526	1361086
4.251		1365878	1374923
4.303		7806091	5884494
4.351		98869	79109
4.372		627173	416132
4.397		1673805	1247440
4.439		9659049	7427140
4.54		7546782	7341528
4.593		929854	769796
4.632		2183261	1827577
4.668		9371669	7790252
4.7		6292896	3606863
4.738		3532645	2728057
4.807		7931	4060
4.837		1064224	779851
4.855		134621	63191
4.887		6540140	5001723
4.91		723518	450456
4.961		3225658	2877087
4.997		1640010	1297460
5.027		1259535	1035021
5.059		536276	318413
5.082		15673990	13263050
5.124		292417	203874
5.154		549061	437907
5.274		176226	109715
5.298		3358291	2703370
5.343		9873970	11665840
5.498		351278	303712
5.545		240415	179483
5.568		260936	184890
5.616		1936575	1682220
5.725		4198902	3642649
5.757		203476	150554
5.925		1347992	1242558
6.085	DCB	22380170	20264900
6.258		13193	13367
6.538		17906	21027
6.711		3445	2929
6.808		2599	7124
8.004		2236	9582
8.095		1806	3199
8.171		9362	16698

AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

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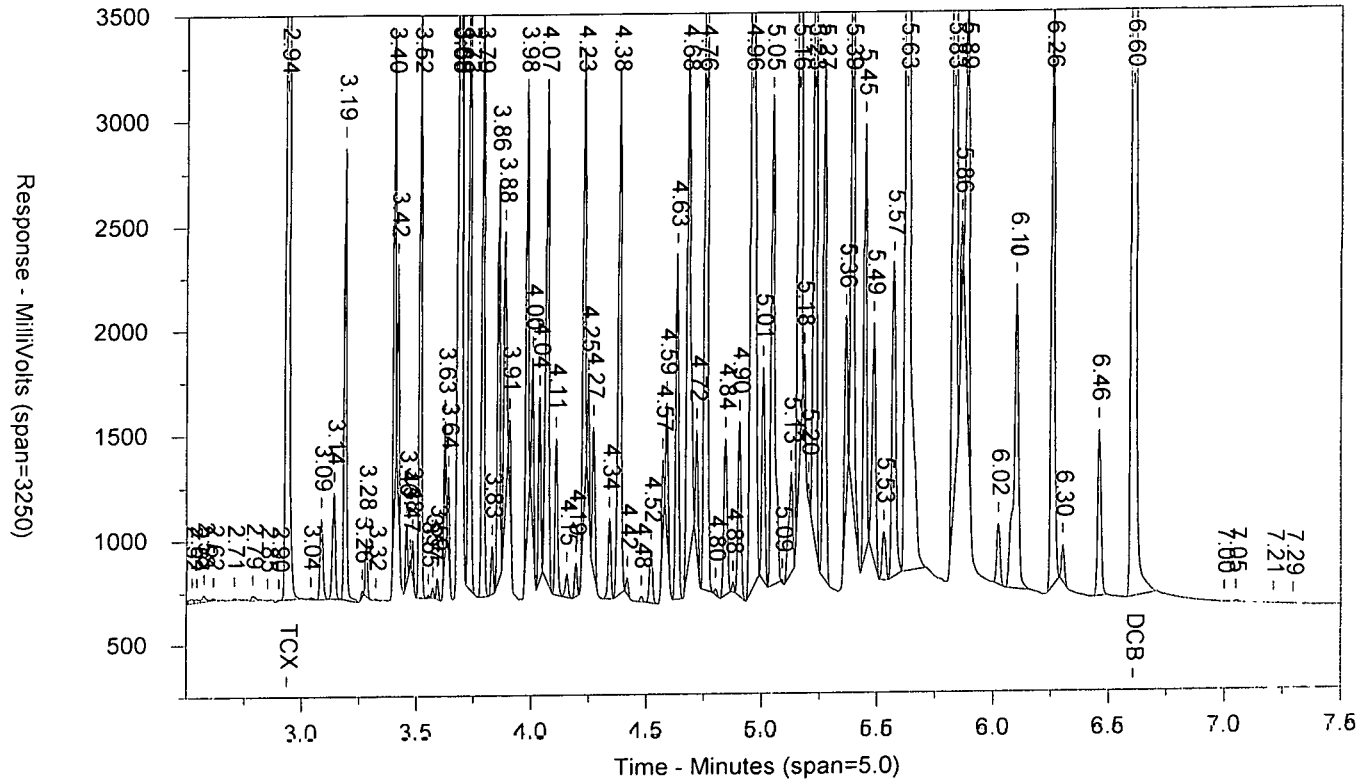

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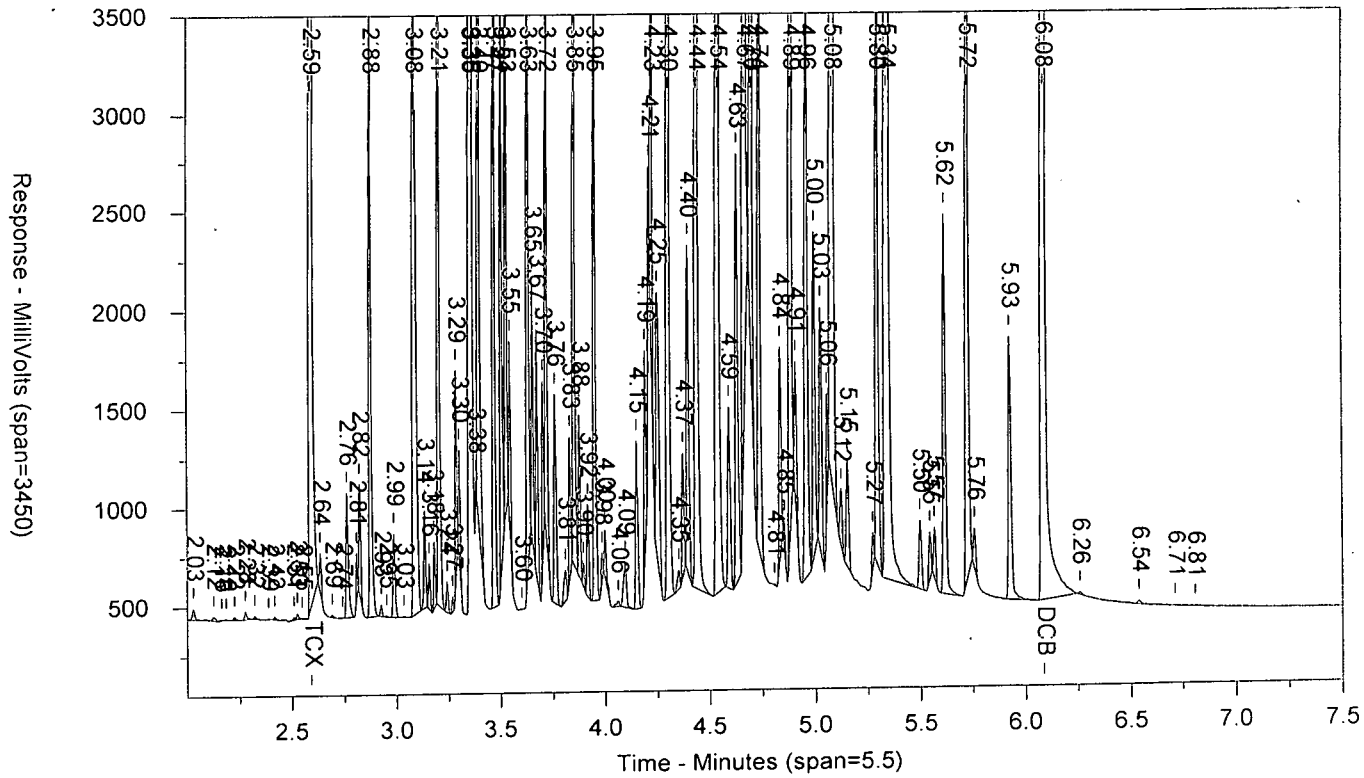

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 8:57:20 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	16314750	58.897	TCX	2.592	25066130	64.855	TCX
6.605	12173620	62.003	DCB	6.085	22380170	62.597	DCB

Files:
Area File: 07PCBS17284001.0011.RAW
Area File: 07PCBS17284001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:06:05 PM
File Reported On: 10/11/2017 at 9:06:15 PM

AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

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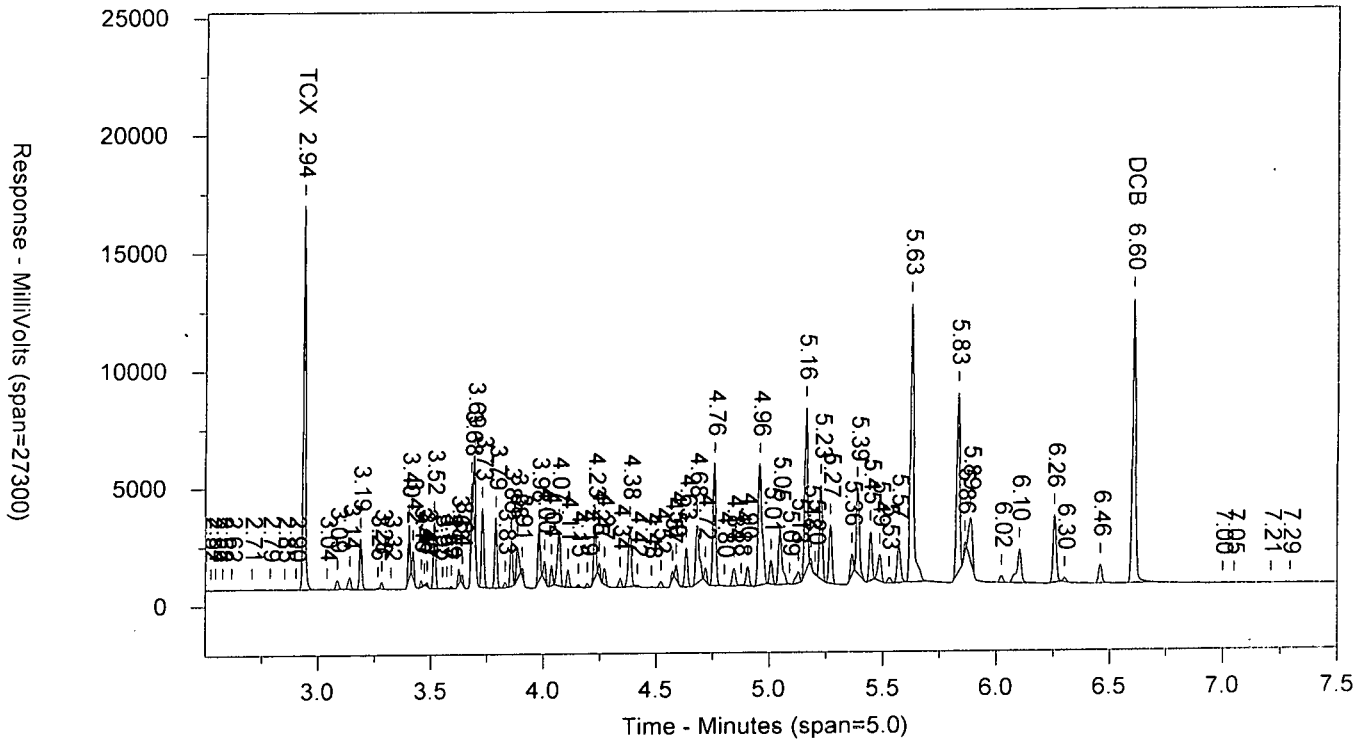

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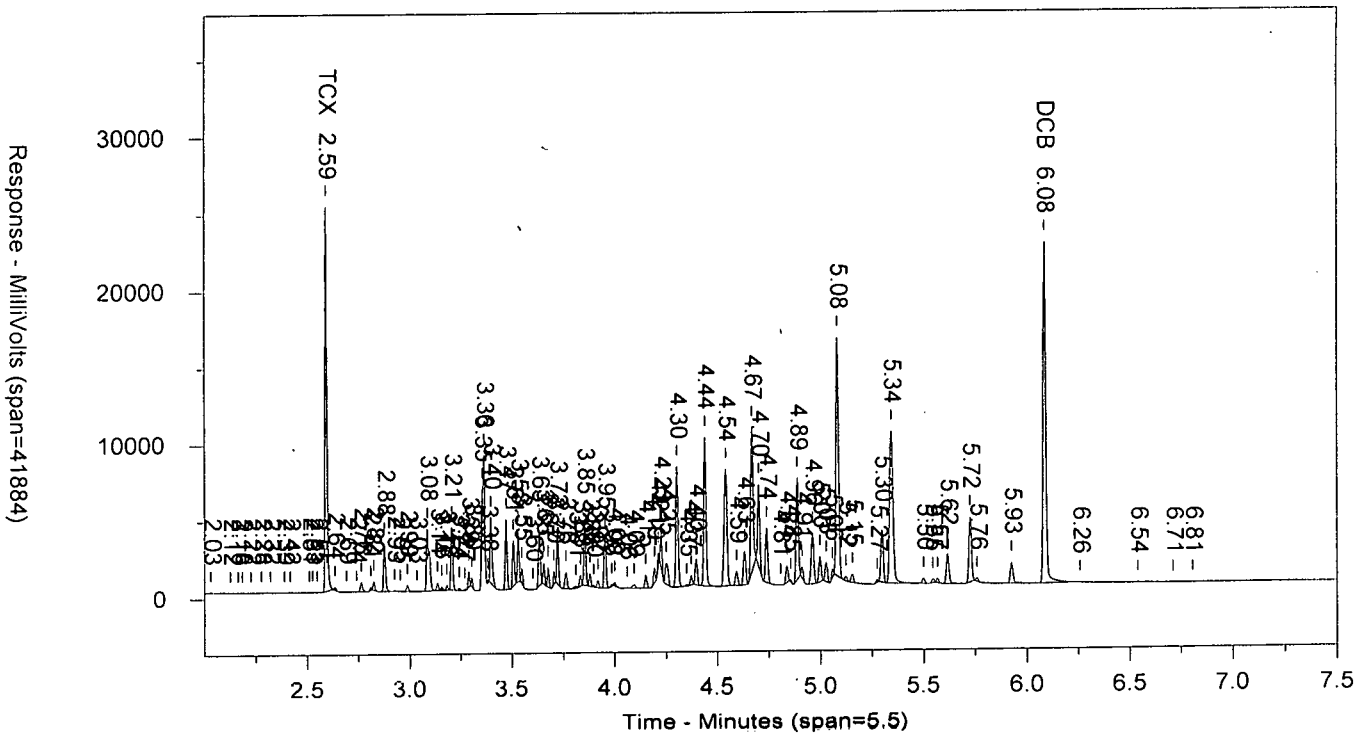

AR1651724B AAAR165AA ICAL 1728399999 10736 SW-846 8082

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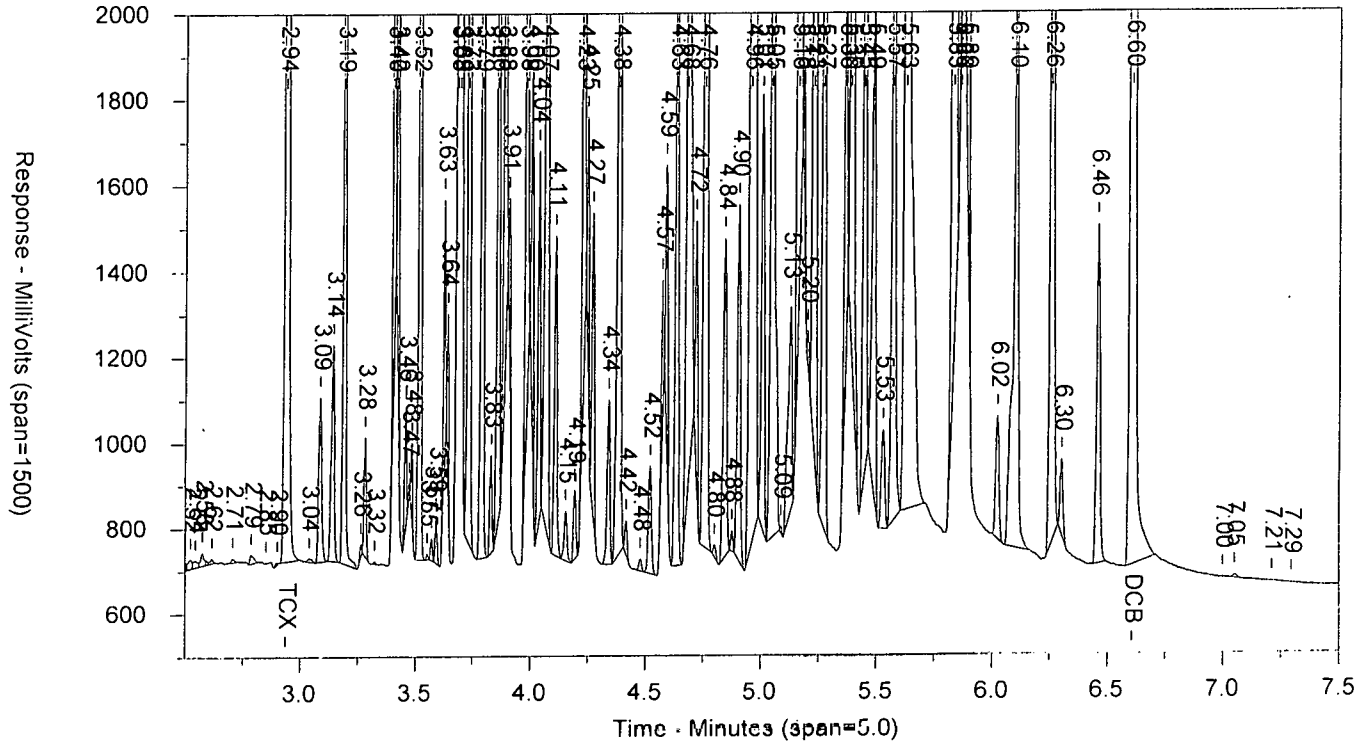

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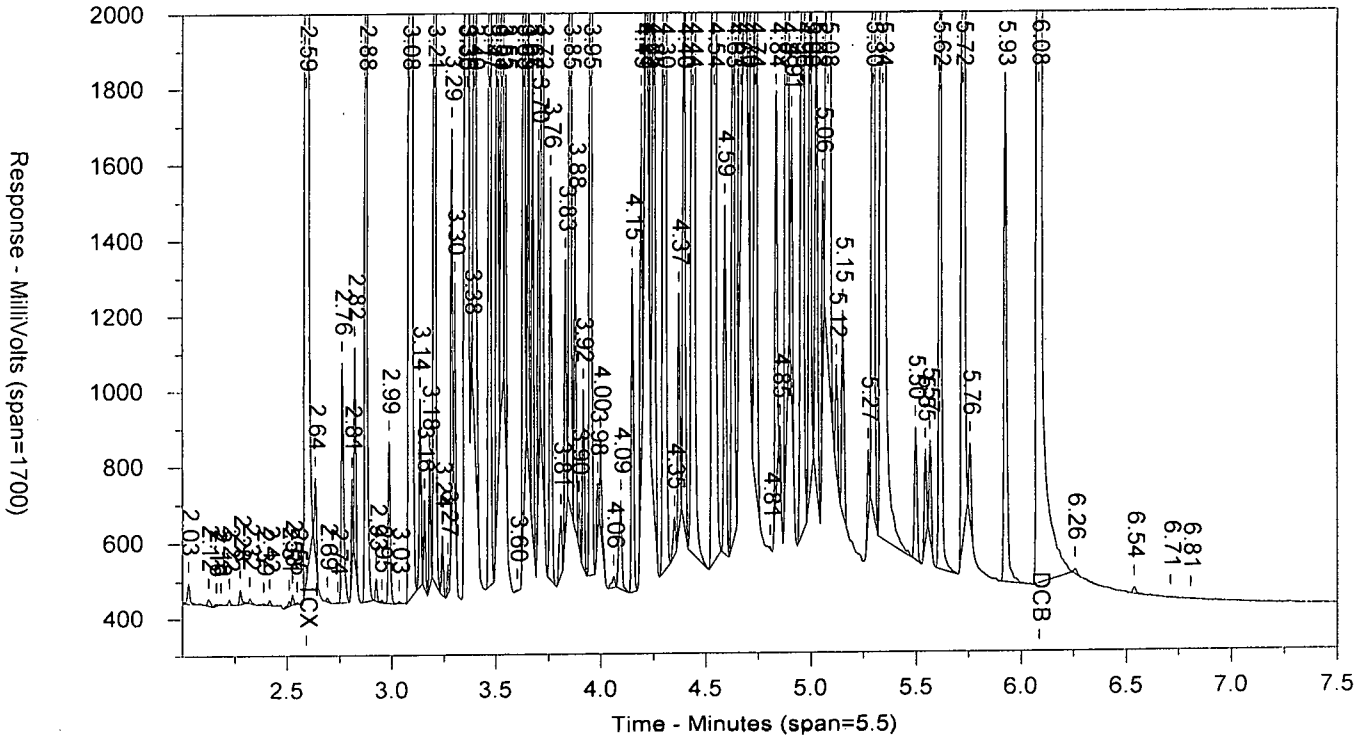

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.517		3548	3379
1.577		23901	24343
1.616		7533	24253
1.736		5044	4051
1.781		5632	4161
1.811		1580	1046
1.972		2711	2365
2.066		11488	36906
2.087		7529	8931
2.175		5275	7196
2.191		2914	1185
2.235		101289	70017
2.343		40289	39096
2.438		2856	2358
2.5		14635	19653
2.545		11179	13612
2.574		49412	46221
2.659		2883	1483
2.763		4393	3374
2.787		22313	20947
2.856		4878	2933
2.898		8696	7757
2.937	TCX	22371720	14568980
3.036		8207	4454
3.086		706188	643945
3.141		946125	791466
3.189		4353892	2915011
3.264		39905	20321
3.282		534417	352758
3.322		15088	10162
3.403		4363358	2613899
3.42		2182107	1165930
3.457		546243	318702
3.472		75254	28069
3.484		317568	167681
3.518		5480231	3937904
3.554		28910	15339
3.573		87705	51358
3.592		190429	120157
3.627		1282650	729969
3.641		667303	332377
3.684		3394646	1745189
3.695		7053975	3247053
3.732		7049666	5097024
3.791		6224809	4470913
3.832		461600	322925
3.859		4113554	2841096
3.886		2910907	2306298
3.907		787334	380708
3.956		2826	947
3.982		4605629	3168039
4.006		1618682	1070531
4.037		1781270	1247161

RT A	Compound A	Height A	Area A
4.071		5172310	4716843
4.11		1506886	1198119
4.156		245633	194661
4.196		326139	243423
4.23		4984339	3466519
4.249		1232141	662494
4.272		1402361	1072318
4.342		736319	640474
4.385		5325303	4856173
4.418		152729	103016
4.481		44879	35366
4.523		384094	350135
4.573		642502	406560
4.59		1284744	847393
4.633		3389065	2933153
4.683		5322963	5746125
4.72		1226963	828513
4.759		11456500	10127100
4.804		44843	34239
4.845		1531084	1580652
4.877		93276	55701
4.906		1645360	1578911
4.957		12147320	13589600
5.008		2116732	1879118
5.049		5366723	5693724
5.091		46186	20788
5.129		1042858	1180385
5.162		15551560	13403820
5.184		656862	353877
5.203		147961	60702
5.229		8634327	7694268
5.271		5197066	4782876
5.366		1926235	1542330
5.391		7554198	6749232
5.448		4038881	3639019
5.486		2329435	2316277
5.529		442511	466920
5.57		2985632	3299213
5.628		26880760	26922230
5.832		17009030	15219920
5.863		930486	603143
5.887		3641986	4113621
6.022		466430	457077
6.078		75758	109404
6.102		2412886	2243129
6.257		5728261	5639398
6.301		332022	314928
6.424		2447	706
6.458		1445189	1498977
6.604	DCB	16120760	16170950
6.903		2159	3241
7.049		8082	8204
7.23		1747	572
7.253		2749	2031
7.4		1429	640
7.518		1363	644
7.588		2836	727
7.629		1762	797
7.647		1394	515
7.749		2003	1912
8.083		1703	403
8.116		1275	726
8.149		2107	1242
8.283		1449	492
8.478		1055	815
8.586		1906	1512

RT A	Compound A	Height A	Area A
8.65		1011	283

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.532		3742	2990
1.558		4532	4720
1.65		4886	4739
1.76		7464	16075
1.796		4361	3369
1.903		170050	137370
1.966		9181	20090
2.03		63911	47752
2.124		7561	9598
2.162		4969	4852
2.223		3616	3815
2.276		78466	79554
2.387		5302	4163
2.446		4263	15117
2.507		7839	11402
2.525		35463	22934
2.548		12404	7488
2.591	TCX	34191650	20835430
2.635		404572	274056
2.763		1179551	890744
2.809		301139	136059
2.824		1155827	655258
2.876		6028575	3899909
2.925		85784	48446
2.987		835363	550329
3.063		4149	1507
3.084		7621568	7730588
3.135		977411	602125
3.156		439602	250253
3.181		678238	377948
3.205		7749760	5218844
3.242		298548	174733
3.27		125116	61049
3.289		2041828	1073169
3.304		1179346	560498
3.354		4147586	2012747
3.364		9672250	4203254
3.383		241727	88347
3.397		8675015	5810588
3.471		9478493	5845727
3.507		6197766	3843552
3.53		6687272	3638367
3.547		2038686	1011403
3.6		6002	3808
3.633		7861880	5049894
3.655		2915193	1520882
3.675		2728318	1588818
3.704		1719022	885199
3.721		6720860	4022599
3.762		2243814	1619266
3.81		288393	242859
3.832		1592274	933934
3.854		8742451	5520009
3.879		1759784	1036405

3.898		257217	121377
3.918		966459	601272
3.953		6962815	4743574
3.986		268383	150438
4.001		483237	305948
4.061		54828	45887
4.096		417407	349190
4.153		1825907	1306751
4.194		1986973	1210515
4.213		1854937	876808
4.226		5291458	2917657
4.252		2901362	2874422
4.303		17226660	12436750
4.352		194615	132354
4.373		1328527	871667
4.397		3588742	2612099
4.44		20732590	15773880
4.541		15777320	15592650
4.593		1945207	1569146
4.633		4443517	3797627
4.668		20892090	16754010
4.701		11191890	7535342
4.739		7547449	5740374
4.837		2360232	1651613
4.855		261068	124211
4.888		13579080	10443540
4.912		1497833	893638
4.961		6726902	5901604
4.997		3444613	2700834
5.028		2755694	2136290
5.06		1008709	610720
5.083		33693180	27790540
5.124		610691	448674
5.154		1114496	876399
5.274		357411	224634
5.298		6862627	5457962
5.343		21538650	23882810
5.46		12114	5848
5.499		557738	488465
5.545		512998	370224
5.567		385522	271950
5.617		3747777	3310375
5.725		8769067	7233428
5.757		432066	293845
5.925		2397072	2240744
6.084	DCB	29309520	26721890
6.259		25335	27871
6.537		21568	20064
6.707		4351	4832
6.809		2993	4035
6.926		2821	3556
7.039		2368	3013
7.269		3656	9181
7.342		2071	2509
7.961		1622	2201
8.163		9673	16486

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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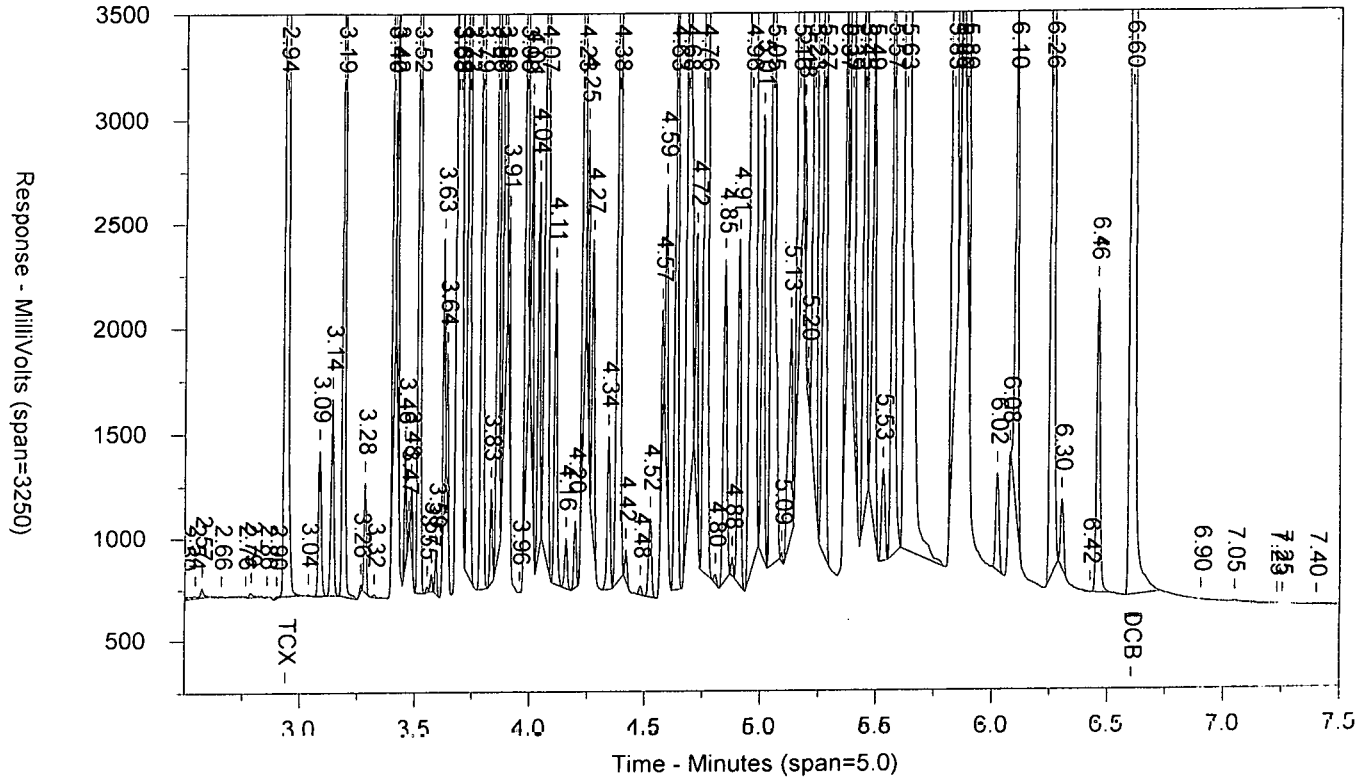

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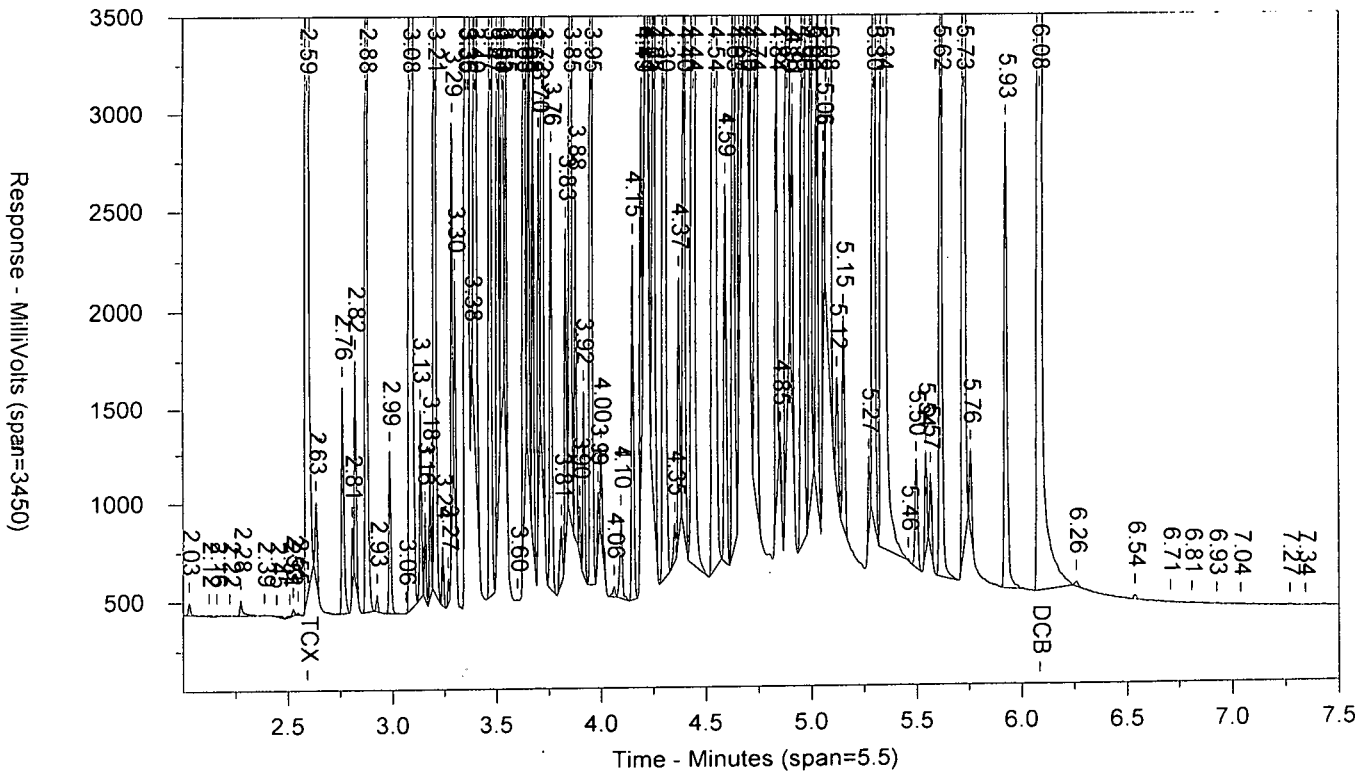

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:08:50 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	22371720	81.664	TCX	2.591	34191650	84.147	TCX
6.604	16120760	81.248	DCB	6.084	29309520	79.255	DCB

Files:
Area File: 07PCBS17284001.0012.RAW
Area File: 07PCBS17284001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:17:34 PM
File Reported On: 10/11/2017 at 9:17:41 PM

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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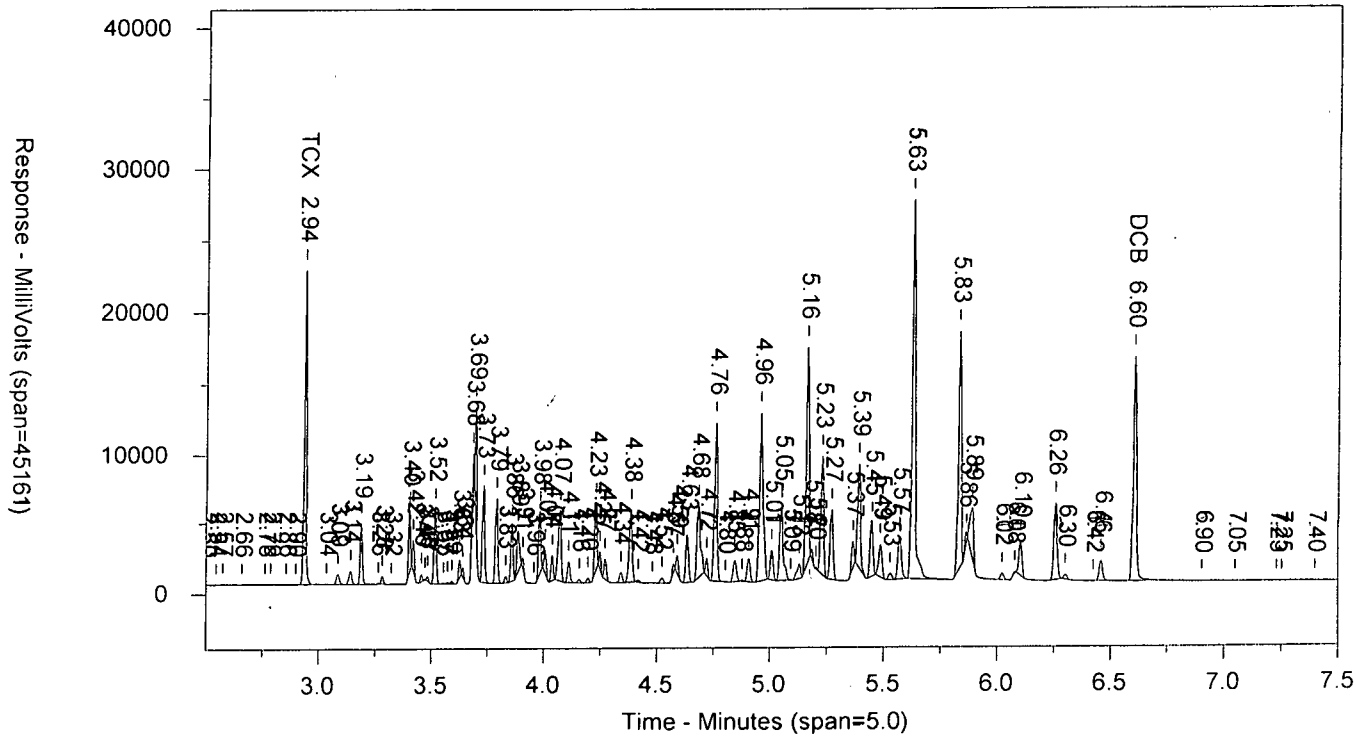

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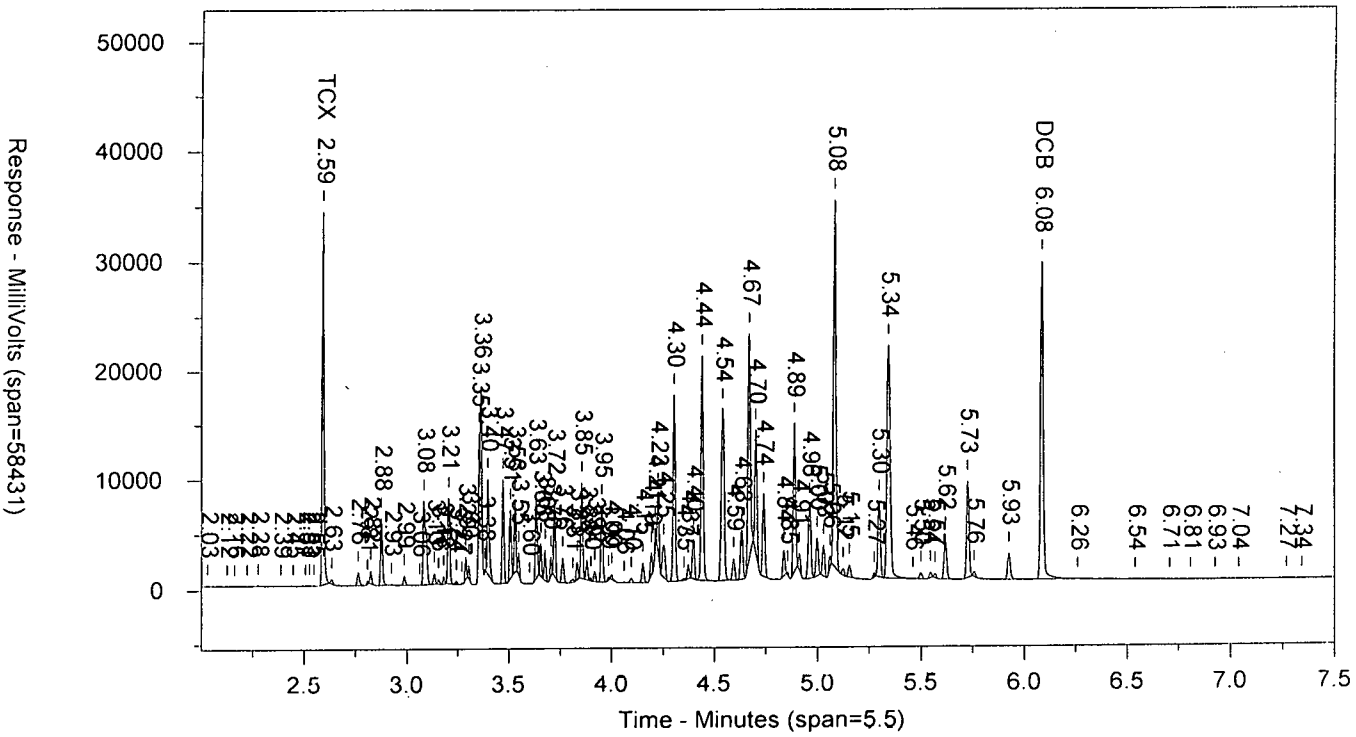

AR1661724A AAAR166AA ICAL 1728399999 10736 SW-846 8082

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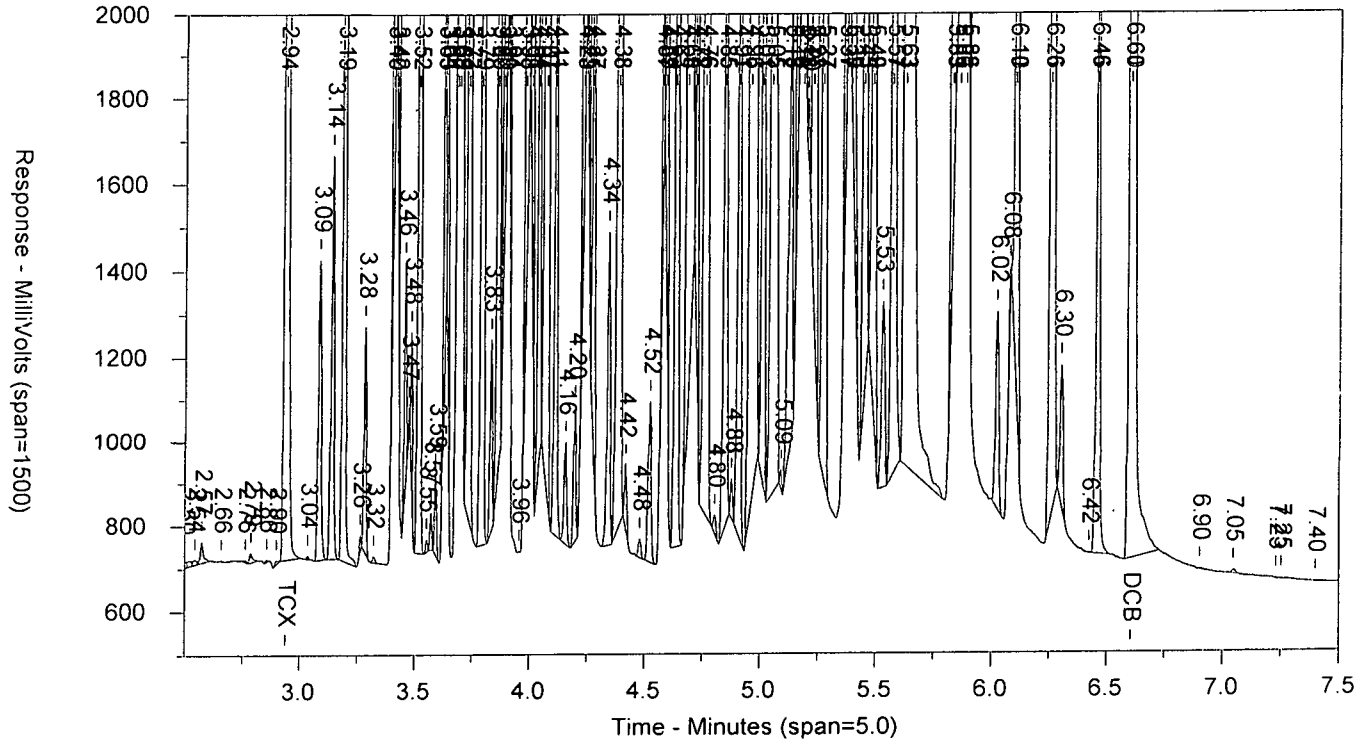

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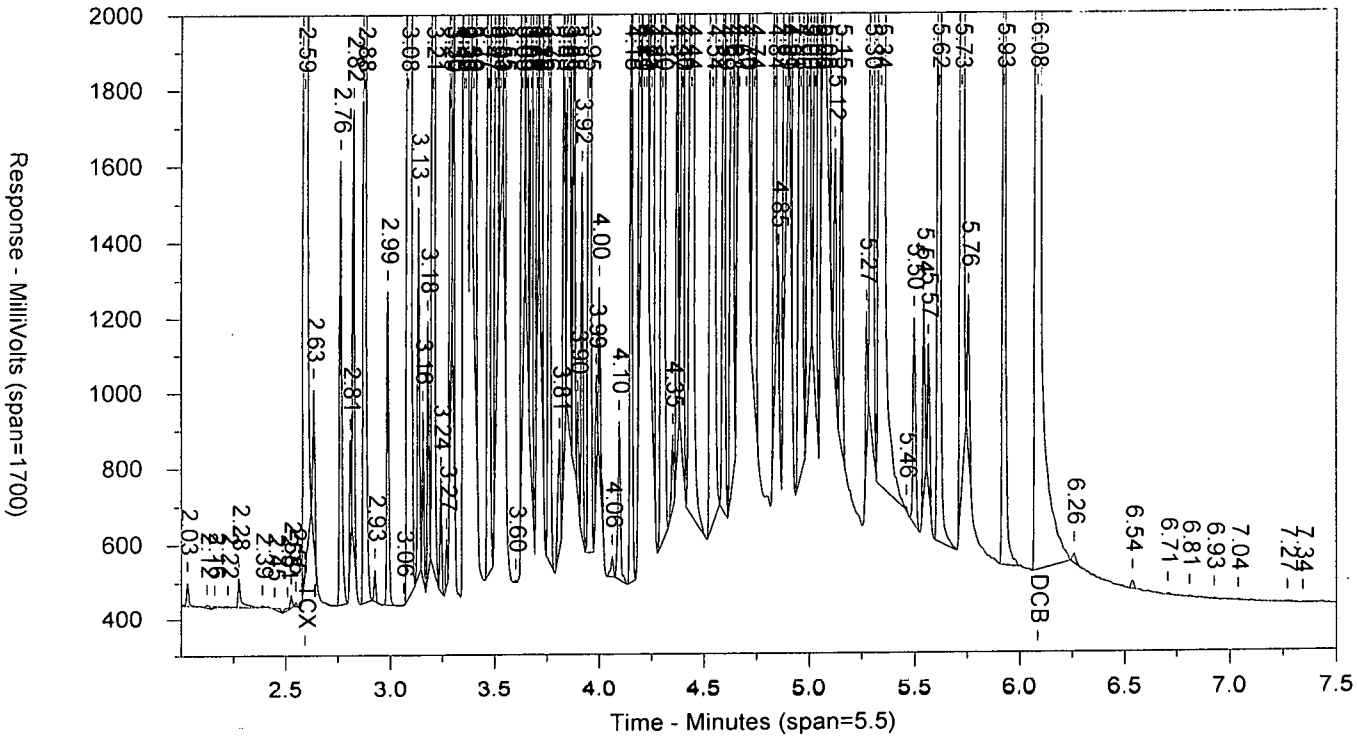

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 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: 07PCBS17284001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.576		25951	23375
1.615		6772	22396
1.74		2188	1943
1.786		1951	1371
1.916		2901	1991
2.069		9312	34376
2.092		5286	5671
2.199		11348	37260
2.236		6245	6899
2.333		32921	21932
2.499		5497	7739
2.594		3420	1971
2.786		31908	30077
2.826		2219	1720
2.866		15361	23708
2.909		5125	9659
2.937	TCX	544010	385216
3.086		6662	6398
3.135		9455	8985
3.189		28273	20978
3.281		11909	24667
3.403		83292	49748
3.42		25417	13132
3.455		6058	4117
3.518		78093	55683
3.597		7122	6734
3.626		15465	8543
3.683		77613	42470
3.695		72550	32993
3.731		99200	77463
3.79		107616	79971
3.832		14739	9296
3.859		182921	132104
3.886		121474	97482
3.907		25654	12531
3.941		1290	323
3.981		209652	148493
4.006		62642	40341
4.037		76439	52629
4.07		179884	161661
4.11		60741	47684
4.157		3296	1649
4.174		6149	2860
4.196		17863	12602
4.229		158449	109004
4.248		203311	128372
4.272		227580	174034
4.341		20673	17950
4.376		160953	132987
4.395		40895	21941
4.418		58852	38708
4.458		3583	2454
4.48		11075	8906

RT A	Compound A	Height A	Area A
4.522		65929	56898
4.572		94978	75569
4.604		59709	46328
4.634		154925	134144
4.684		3434	2604
4.716		52778	47267
4.758		12868	15566
4.805		12854	10466
4.847		79456	77559
4.905		4329	3547
4.958		10010	8276
5.003		1226	547
5.043		61128	62596
5.162		20289	18424
5.229		5093	4650
5.266		3817	6970
5.339		1908	10031
5.354		1997	397
5.371		5067	4670
5.388		1665	353
5.432		3756	4053
5.495		1738	1507
5.534		1596	1529
5.568		4668	5093
5.628		5148	2681
5.655		2794	2159
5.686		1814	466
5.732		2362	1831
5.832		10505	10001
5.954		3233	4539
6.025		5106	4701
6.085		4518	3334
6.156		1528	1141
6.255		5501	11059
6.343		2286	1238
6.365		1131	650
6.459		8408	9215
6.493		1637	1028
6.556		1355	571
6.604	DCB	454831	468788
6.698		1967	1340
6.758		1478	1446
6.979		1470	545
6.997		1599	495
7.032		1530	650
7.071		1931	682
7.11		1475	408
7.141		2313	446
7.163		1698	636
7.271		1409	660
7.379		1326	590
7.467		1723	546
7.543		1371	714
7.629		1879	1053
7.694		945	395
7.713		1548	475
7.796		1520	669
7.843		1597	662
7.872		1266	428
7.943		2395	1491
7.988		1780	380
8.036		1967	825
8.085		1437	542
8.324		1555	639
8.361		1440	551
8.399		1866	753

RT A	Compound A	Height A	Area A
8.547		1319	761
8.625		1769	1092
8.666		1730	738
8.684		980	481

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 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: 07PCBS17284001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.529		2989	2281
1.671		2279	1587
1.722		7974	4987
1.773		8904	28092
1.798		2508	2195
1.9		56555	35718
1.966		9195	14025
2.134		7706	7004
2.159		3594	3660
2.185		2629	1656
2.32		4194	5252
2.387		2886	2165
2.508		8834	13336
2.526		52053	41703
2.591	TCX	806274	518697
2.688		3145	2789
2.765		10454	12576
2.809		10892	7157
2.824		4949	2603
2.877		42423	29994
2.926		2851	1393
2.948		2668	1925
2.987		8908	5651
3.084		150782	140653
3.135		9982	5329
3.161		4630	4006
3.181		3120	1593
3.205		113617	75772
3.244		5384	3563
3.271		2712	1405
3.289		24549	12258
3.305		15621	8307
3.354		97650	45974
3.363		90813	41196
3.384		22408	8896
3.397		111136	68701
3.471		156550	100354
3.507		277744	174092
3.529		249448	139848
3.547		79352	40594
3.594		4578	4021
3.632		326195	210928
3.655		103984	56017
3.676		112175	64066
3.704		51734	26008
3.721		231689	138576
3.762		88685	61991
3.81		16390	14052
3.832		162801	101719
3.855		428408	270866
3.879		286876	174796
3.897		22897	10177
3.918		36693	21797
3.953		132412	89465

3.987		216218	168214
4.014		102601	55849
4.048		6896	3482
4.062		10974	5706
4.096		71229	51634
4.153		135676	98565
4.185		77563	53139
4.212		201017	149527
4.25		4929	4242
4.304		85055	77381
4.341		18445	14249
4.373		112786	83394
4.441		18441	12223
4.465		8408	5574
4.539		21554	26967
4.59		110906	89792
4.628		7562	7790
4.669		35336	32354
4.74		3473	2537
4.889		6354	4110
4.912		10397	9593
4.965		3486	3776
5.061		4063	2980
5.084		12860	12034
5.194		5921	8172
5.272		1571	1405
5.299		4420	3409
5.346		9091	9284
5.499		7661	7616
5.568		6904	6025
5.617		2346	2529
5.724		5512	5839
5.927		10371	8904
6.085	DCB	817446	799641
7.717		1353	1793
7.965		1450	1141
8.168		10031	17810

AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

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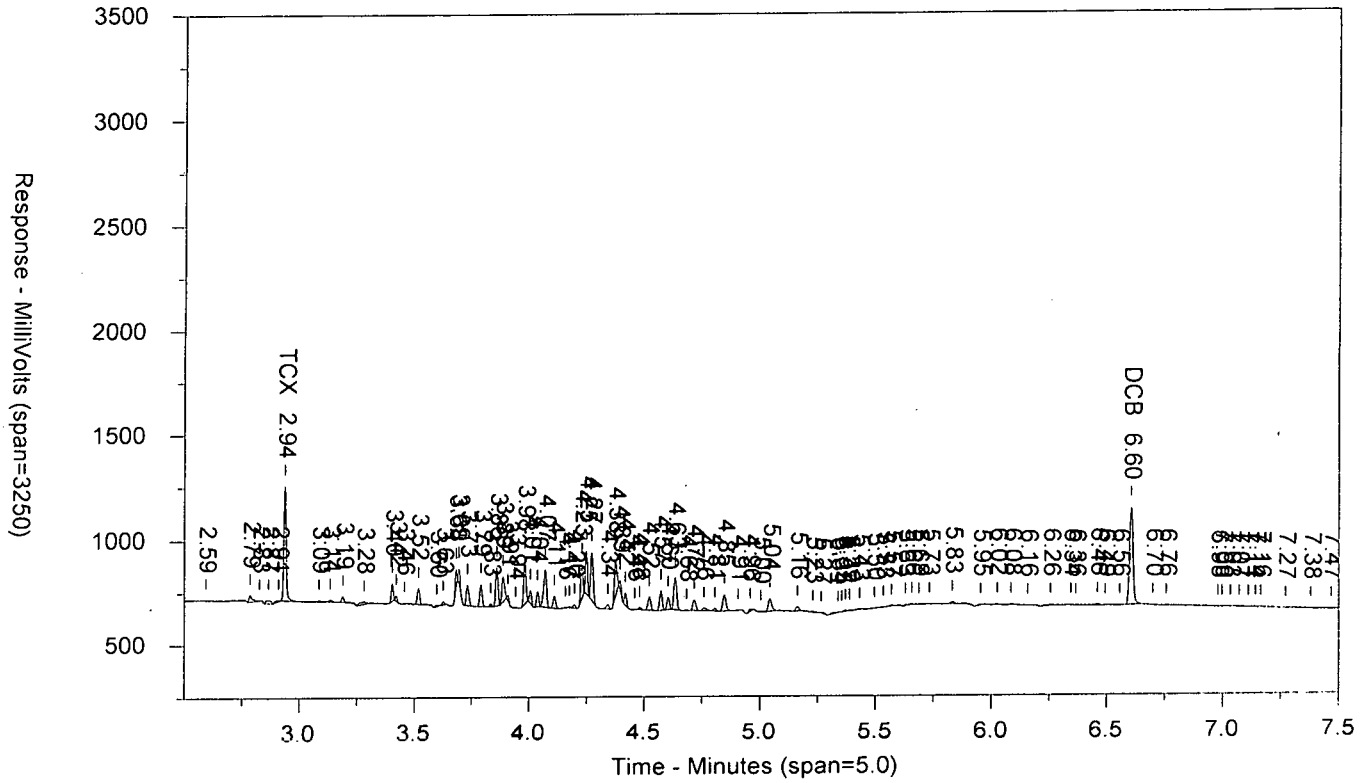

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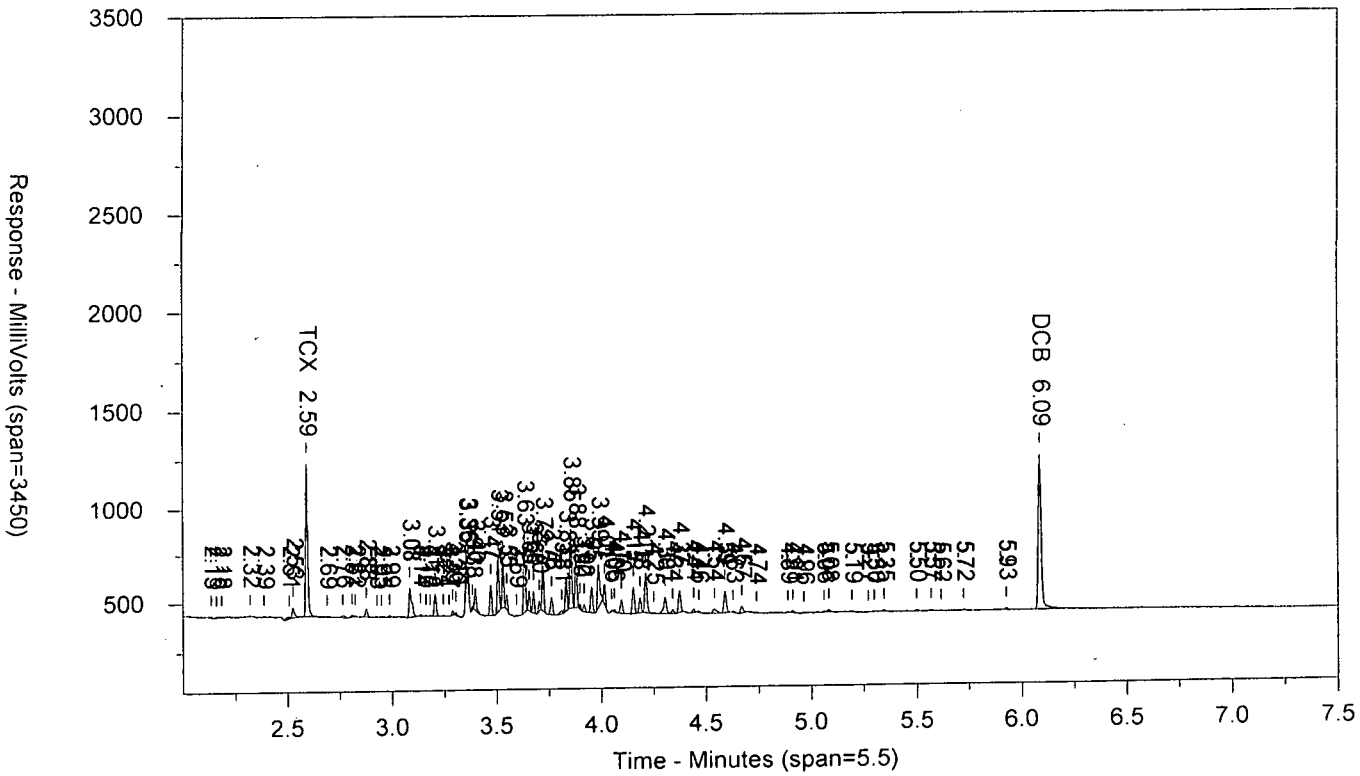

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:20:10 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	544010	1.985	TCX	2.591	806274	1.945	TCX
6.604	454831	2.254	DCB	6.085	817446	2.159	DCB

Files:
Area File: 07PCBS17284001.0013.RAW
Area File: 07PCBS17284001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:28:56 PM
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AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

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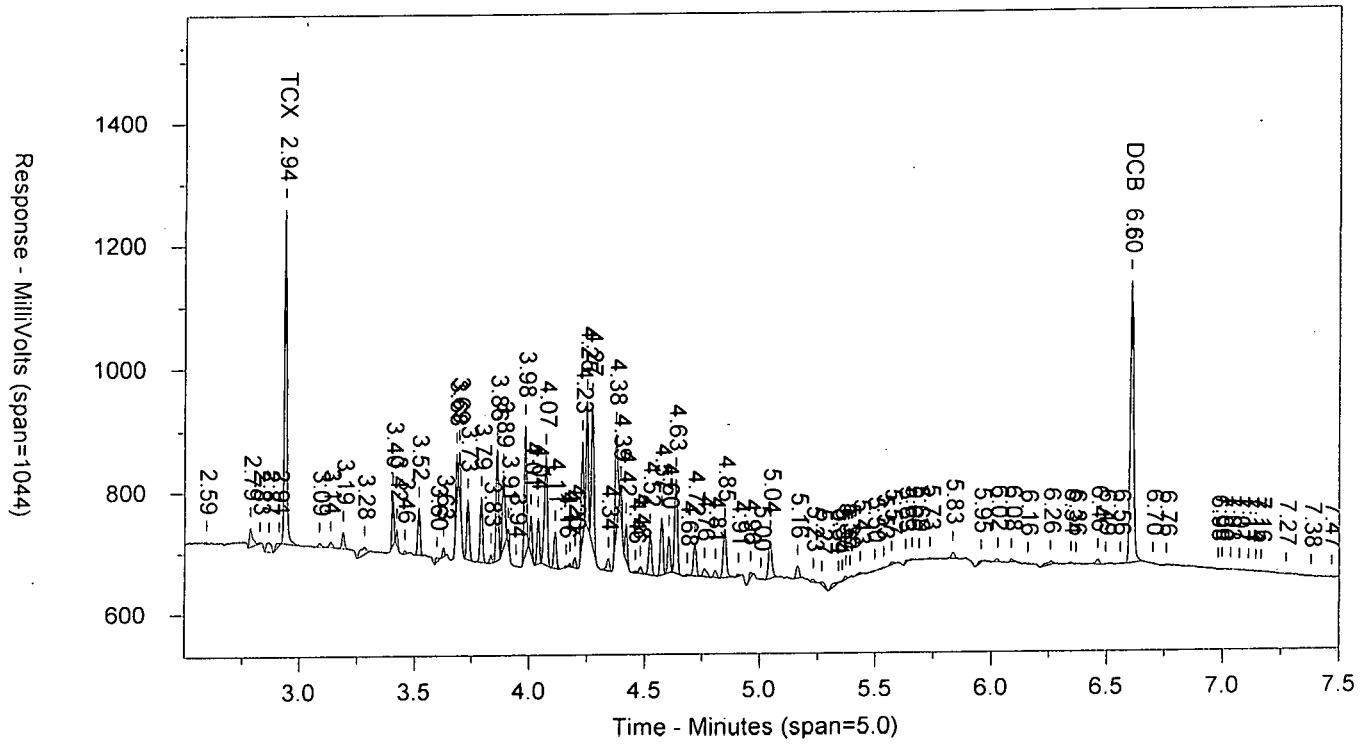

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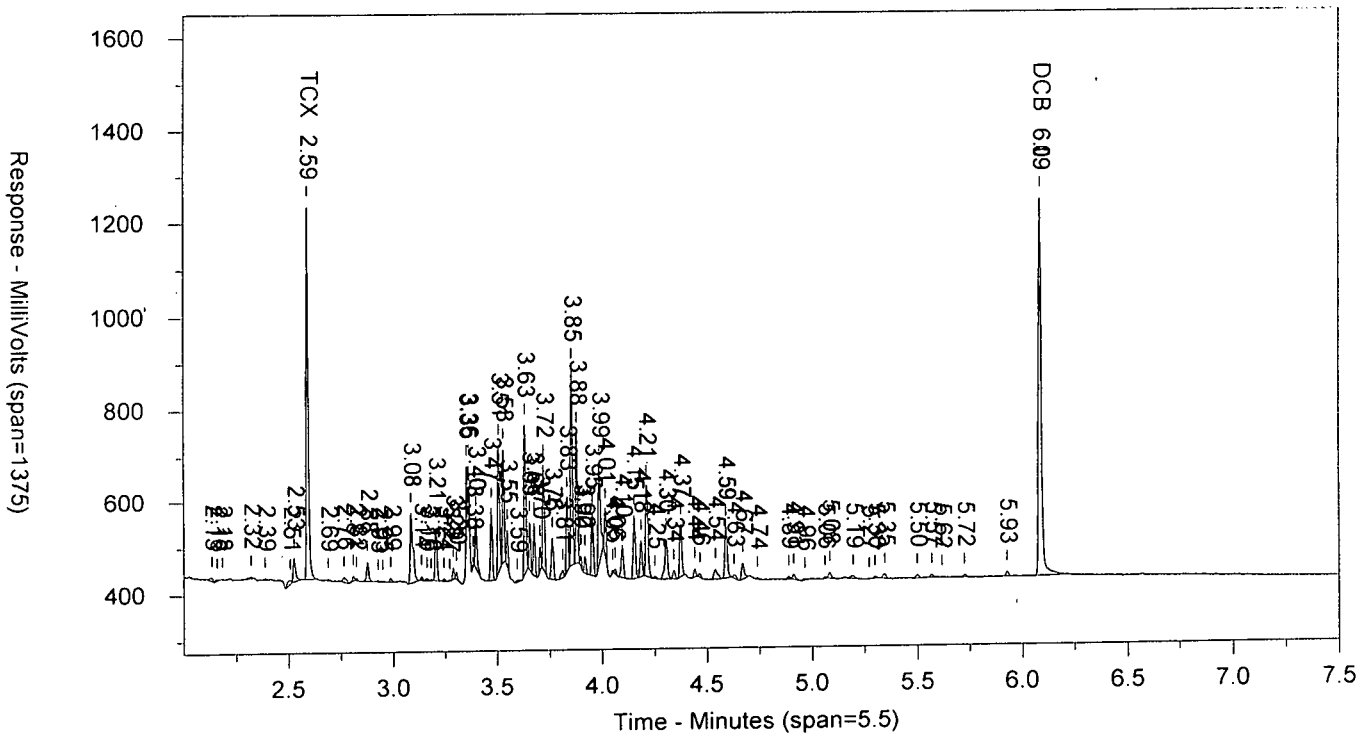

AR4811724C AAAR481AA ICAL 1728399999 10736 SW-846 8082

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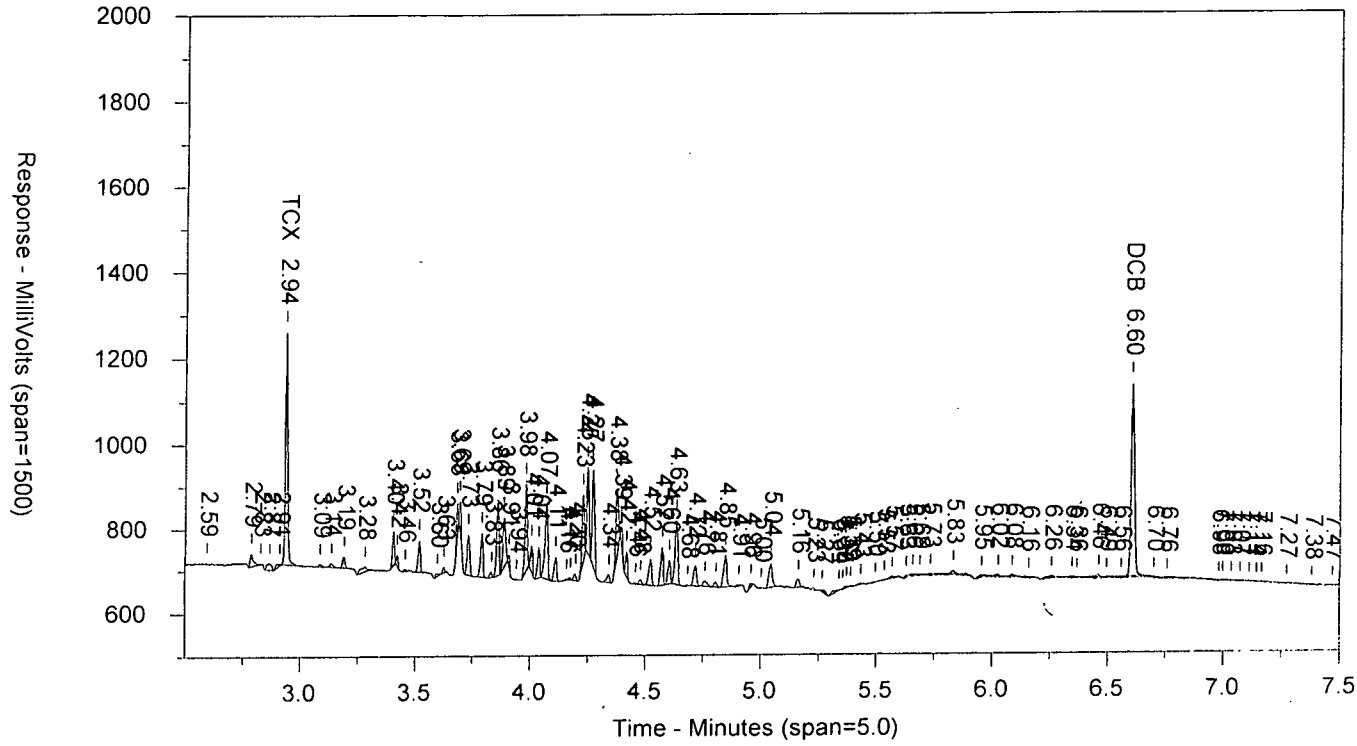

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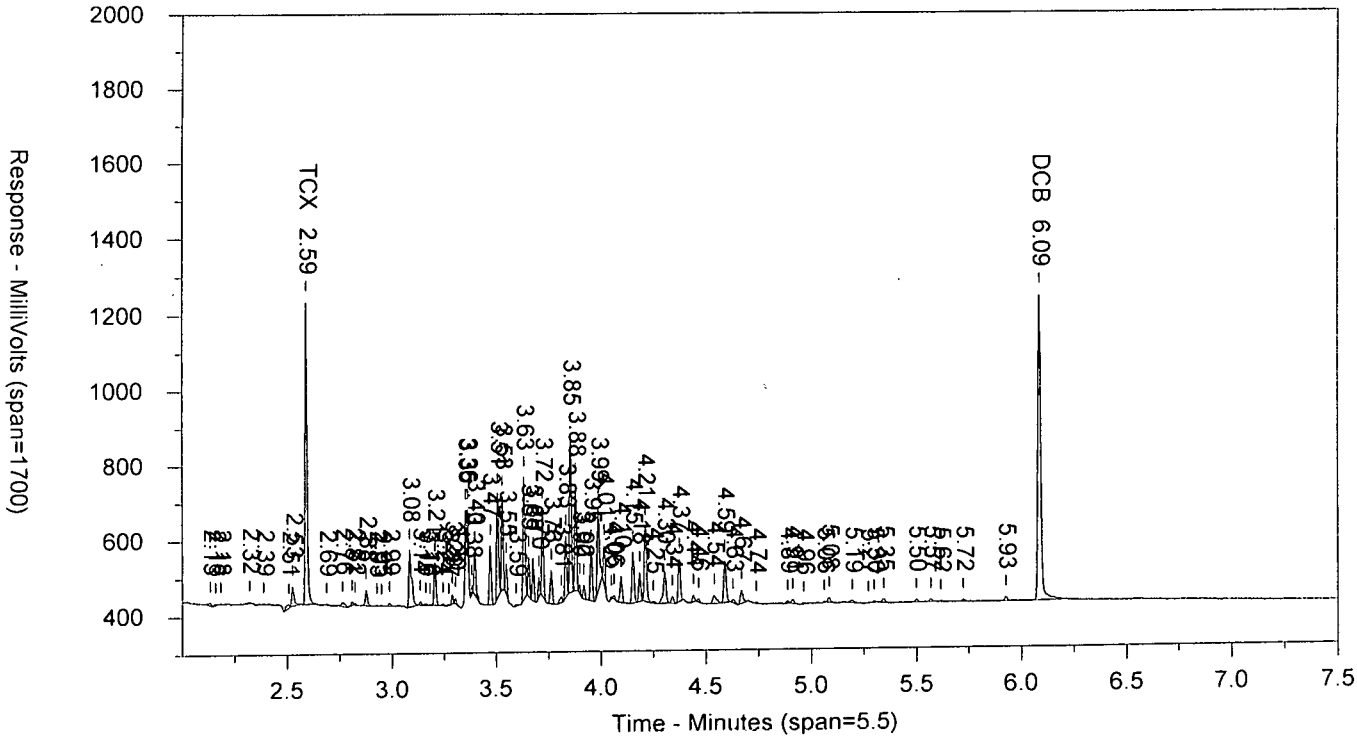

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 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: 07PCBS17284001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.516		3700	2556
1.614		4822	51557
1.85		2000	826
1.917		1887	1192
2.006		16817	26104
2.066		17135	52491
2.09		16373	23761
2.163		2958	1794
2.234		6146	3548
2.333		132165	87219
2.371		2593	1861
2.429		6119	7611
2.462		89349	73444
2.497		8891	8354
2.541		11593	8556
2.614		5285	4871
2.705		4345	3043
2.786		39026	40981
2.87		16303	25934
2.902		7884	9263
2.937	TCX	1067927	751209
3.026		6036	3431
3.088		11492	10922
3.135		18801	19017
3.189		48727	35320
3.264		7412	6337
3.282		12350	8230
3.351		2480	1655
3.404		142825	86324
3.421		48951	24184
3.458		10664	6095
3.474		2860	1095
3.519		137161	99113
3.597		10407	8187
3.627		27771	15794
3.643		8458	3815
3.685		129542	68226
3.696		134740	60734
3.733		173030	138218
3.791		189880	142975
3.833		25977	17399
3.86		323330	234980
3.887		215120	167453
3.908		51756	24053
3.947		1523	235
3.982		353994	262435
4.007		113643	72543
4.038		130888	94268
4.071		322357	287376
4.111		109748	85843
4.159		8545	6626
4.174		5705	2887
4.197		36088	25689

RT A	Compound A	Height A	Area A
4.23		282427	196061
4.25		356158	225163
4.273		395030	299558
4.343		38729	33136
4.378		283212	240222
4.398		57836	29499
4.419		97905	65165
4.459		5678	3925
4.482		22308	16509
4.524		116400	102549
4.574		164749	134463
4.606		100755	78176
4.636		271715	238246
4.682		5889	4294
4.718		94627	85907
4.761		24801	26913
4.806		21735	19338
4.848		143468	145339
4.909		2419	2255
4.924		10012	8500
4.96		13034	10013
4.998		1654	429
5.045		112119	118601
5.094		3962	2206
5.164		38421	34728
5.231		8210	7100
5.27		7972	10412
5.327		3505	8519
5.371		10304	8812
5.39		4866	3266
5.437		4878	9111
5.493		1072	1622
5.54		1572	1542
5.569		7457	6327
5.595		1606	423
5.632		8717	6905
5.654		2409	816
5.834		17828	19407
5.889		9605	20364
5.959		2919	6176
6.023		12647	14078
6.087		10006	13054
6.154		2051	559
6.23		2254	1302
6.259		6603	6350
6.333		1073	293
6.361		1377	528
6.402		1487	1257
6.459		12141	11399
6.492		1979	362
6.606	DCB	853474	913001
6.751		952	1156
6.928		1782	1412
7.002		2311	1898
7.169		1448	1092
7.438		1349	599
7.525		1420	641
7.588		1880	489
7.749		1658	702
7.951		1837	1062
8.024		1526	485
8.07		1173	681
8.132		1594	344
8.256		1577	554
8.362		1458	555
8.376		1569	413

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 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: 07PCBS17284001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.505		1366	771
1.538		4508	7605
1.611		3865	5029
1.691		5385	11160
1.758		7352	15783
1.795		5850	5243
1.818		6057	5171
1.899		211775	133471
1.97		15204	26434
2.025		8599	7490
2.066		36774	22853
2.131		24368	20059
2.166		2541	4656
2.184		3251	2149
2.223		8017	8962
2.298		4521	2906
2.322		7927	7655
2.39		3159	2785
2.415		8192	5432
2.51		11451	15074
2.526		59707	52814
2.591	TCX	1632129	1052502
2.683		11580	12565
2.737		1957	2478
2.765		17671	19221
2.81		20771	10894
2.824		9885	4825
2.876		76305	58129
2.926		4842	3075
2.95		5398	5461
2.987		16081	10746
3.033		6704	12607
3.084		262950	244751
3.135		16609	9048
3.158		7787	5644
3.182		4998	2106
3.205		204506	136915
3.245		10580	7491
3.271		7490	3862
3.289		42330	22171
3.305		21845	10634
3.355		162737	86643
3.364		191277	73467
3.384		38745	16178
3.398		195115	120285
3.472		289543	181870
3.507		509242	311334
3.531		451672	248951
3.548		147576	73355
3.614		1356	5060
3.634		576385	375158
3.656		184091	98915
3.677		197179	116189
3.705		91303	44737

3.722		415871	246789
3.763		163398	110711
3.811		28922	24913
3.833		297715	183556
3.856		762263	482233
3.88		508345	312729
3.899		44159	20706
3.919		57069	34413
3.954		241313	163712
3.987		391205	302129
4.015		181640	101355
4.062		31762	31422
4.097		125040	97498
4.154		234943	177128
4.185		140431	97082
4.213		366910	267792
4.251		7003	6105
4.306		149481	135089
4.342		33930	24911
4.375		209652	178982
4.442		30338	20355
4.465		15020	9744
4.538		36305	42934
4.59		193259	161231
4.631		11882	11018
4.67		63364	54164
4.702		6413	6732
4.739		4546	3499
4.836		1722	1106
4.89		9700	6622
4.913		20144	16643
4.963		6584	11261
5.027		2513	2088
5.061		6840	4666
5.084		19781	17873
5.154		3165	2673
5.194		6229	6495
5.3		9334	8013
5.345		17365	18666
5.501		14428	12623
5.569		12469	11627
5.618		3677	4166
5.726		8531	7783
5.927		20693	18509
6.085	DCB	1644674	1580228
6.538		1964	1670
7.309		5204	7493
7.594		2075	2254
7.894		1548	2223
8.017		1847	2418
8.169		10741	20139

AR4821724C AAAR482AA ICAL 1728399999 10736 **SW-846 8082**

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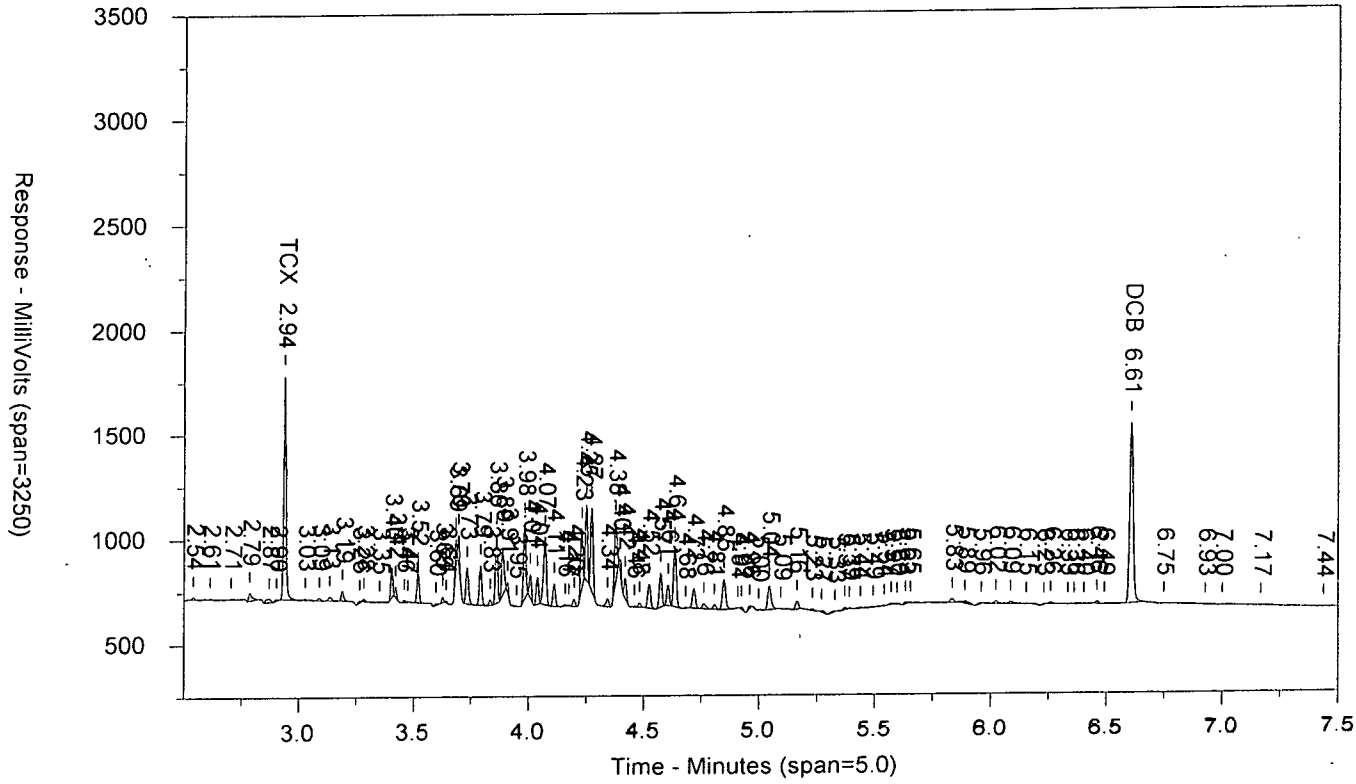

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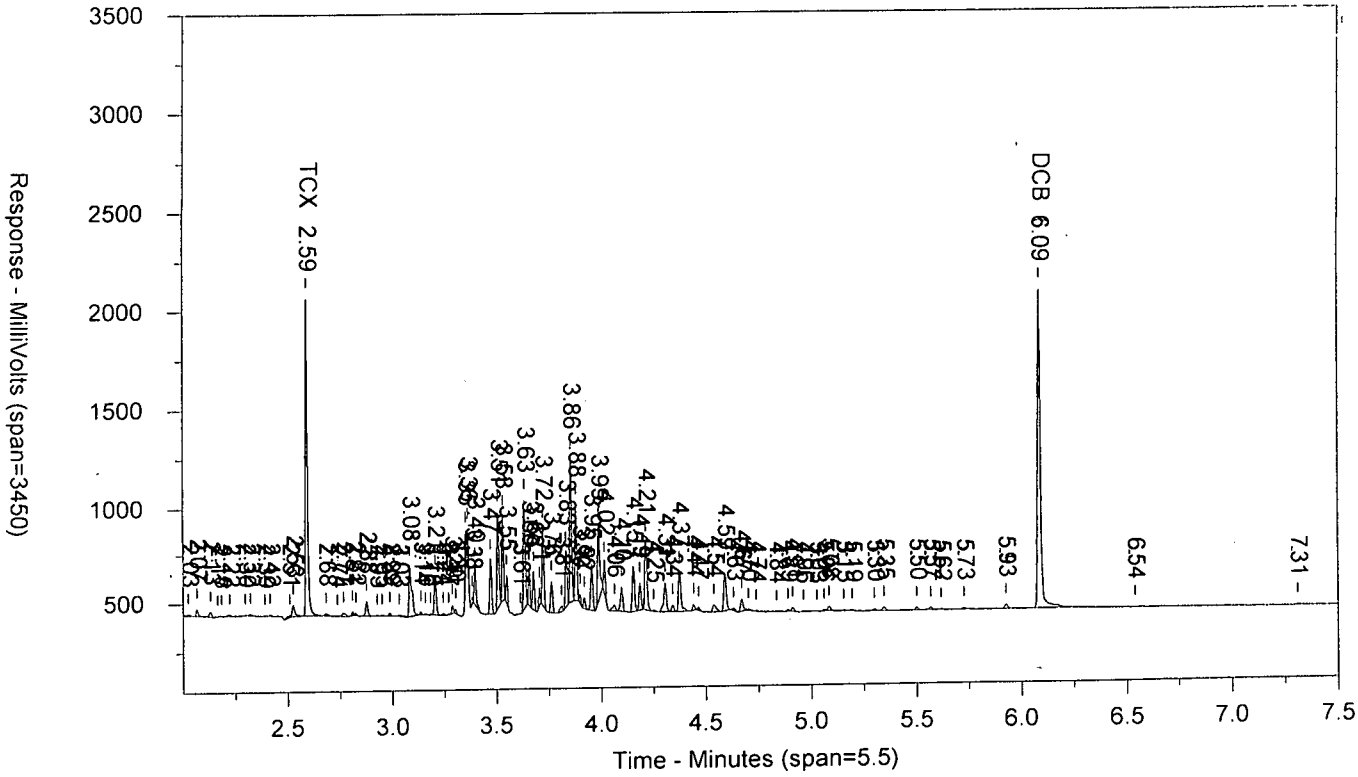

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:31:40 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	1067927	3.896	TCX	2.591	1632129	3.937	TCX
6.606	853474	4.23	DCB	6.085	1644674	4.345	DCB

Files:
Area File: 07PCBS17284001.0014.RAW
Area File: 07PCBS17284001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:40:23 PM
File Reported On: 10/11/2017 at 9:40:31 PM

AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082

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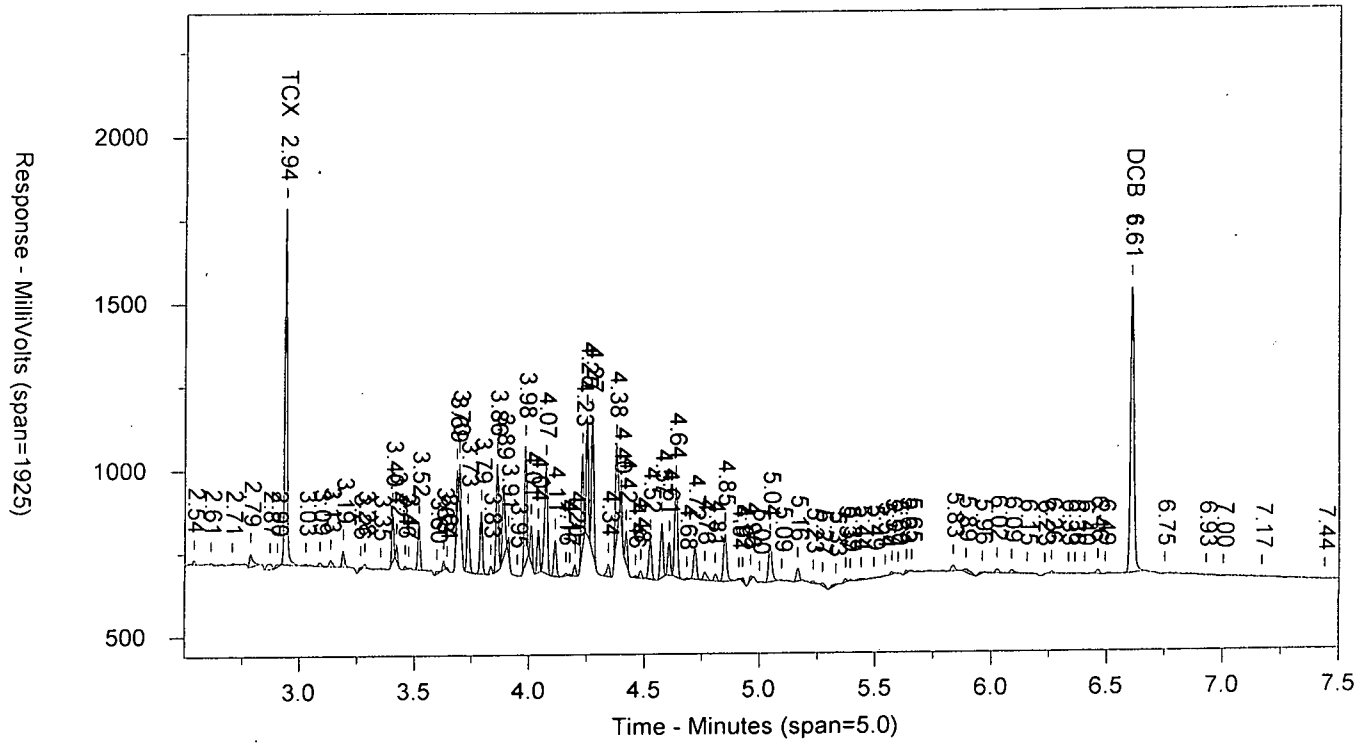

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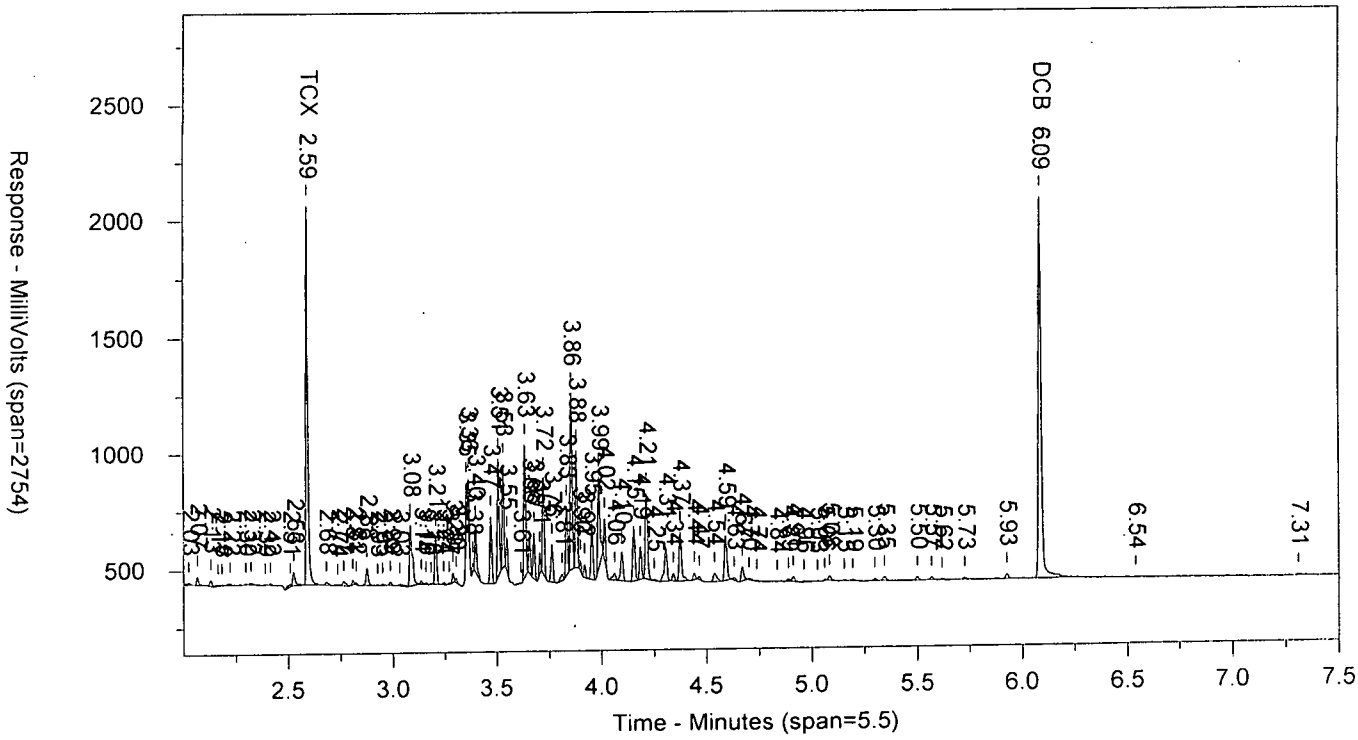

AR4821724C AAAR482AA ICAL 1728399999 10736 SW-846 8082

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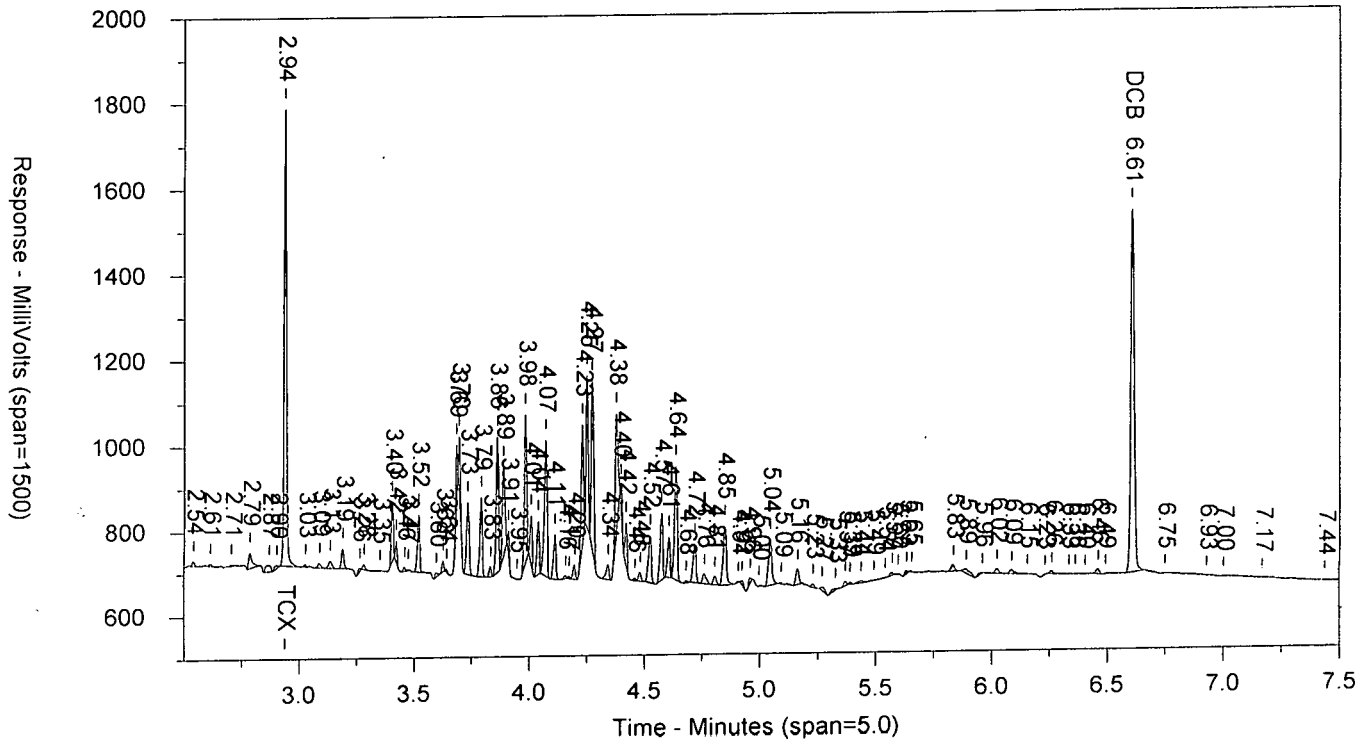

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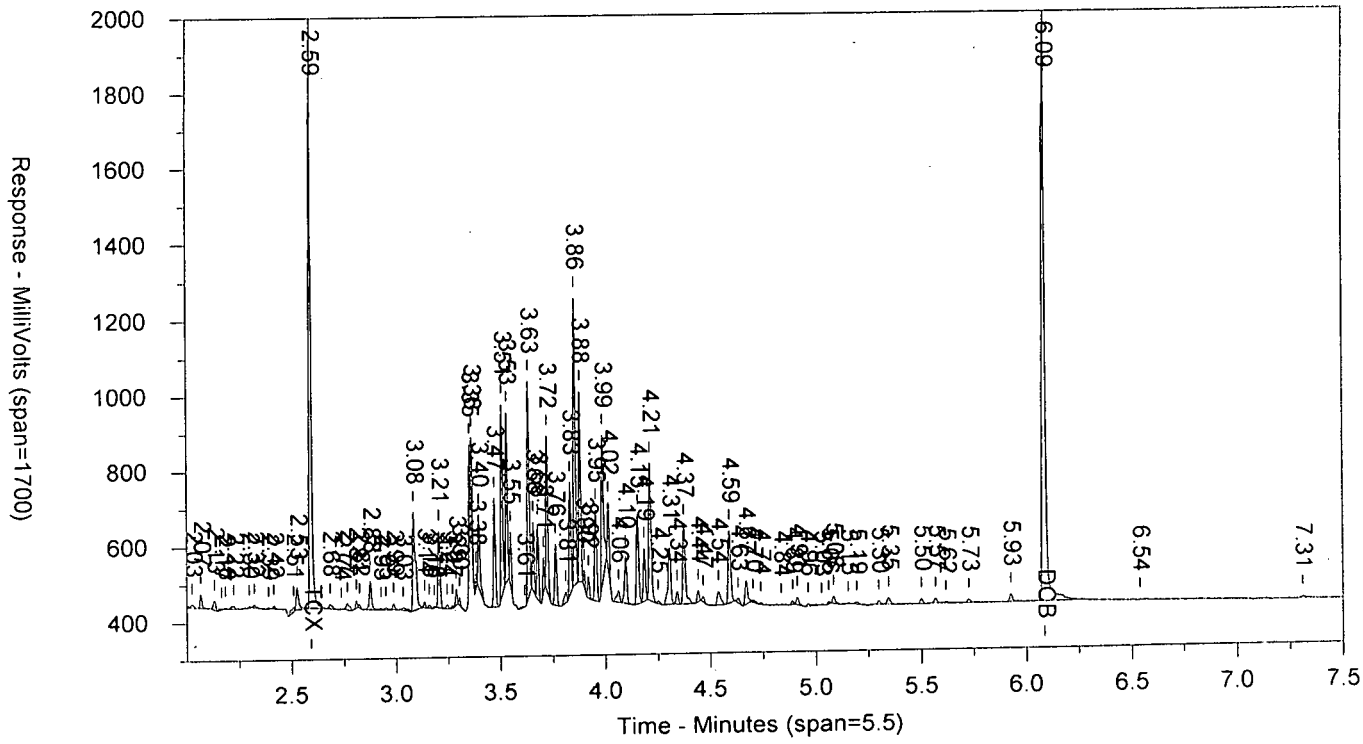

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.581		25549	25375
1.618		7711	32619
1.916		2255	1322
1.998		2609	4271
2.052		20260	45430
2.09		8940	9733
2.166		4839	5098
2.234		26521	18657
2.332		41616	33053
2.496		7685	7258
2.543		2984	1582
2.682		2623	1676
2.715		1881	1487
2.786		11863	9727
2.855		6460	14281
2.937	TCX	4987558	3421661
3.087		23266	23166
3.134		75544	60809
3.189		97310	70391
3.264		16114	11312
3.281		17891	10786
3.403		278992	164713
3.42		85901	44932
3.456		20212	10641
3.473		4075	1625
3.517		263371	195861
3.573		23287	14437
3.594		18965	12507
3.626		56397	32710
3.641		17390	8496
3.683		228369	128620
3.694		233903	107623
3.731		337262	267208
3.789		352060	278170
3.831		54898	37390
3.858		614994	439271
3.885		406187	314968
3.907		102197	52396
3.981		681921	488925
4.005		210166	137231
4.037		257824	181208
4.07		615122	545890
4.109		210093	163237
4.156		21067	14525
4.175		3576	1284
4.196		69019	52341
4.229		524354	352329
4.248		665679	422743
4.271		786343	572185
4.341		75391	67991
4.376		501383	436760
4.395		125638	67010
4.418		192108	128545

RT A	Compound A	Height A	Area A
4.458		11571	7276
4.48		43662	32386
4.521		215431	199028
4.572		308840	258533
4.603		191883	142585
4.634		523309	458935
4.682		11654	8047
4.715		181175	169706
4.758		48914	55893
4.805		46167	41509
4.846		285298	284117
4.908		3161	2699
4.924		22453	18494
4.958		22488	17433
5.007		3661	2644
5.043		229814	234663
5.089		4731	2655
5.116		8692	9917
5.162		76110	68780
5.183		3623	1556
5.227		16510	14336
5.269		11013	12745
5.329		1937	7394
5.367		22169	18297
5.39		10556	7117
5.434		1336	700
5.447		4858	2963
5.489		3530	5073
5.536		3211	4724
5.567		17452	16163
5.629		25576	19763
5.649		10915	7688
5.696		2060	1257
5.712		1179	472
5.726		1981	624
5.734		1836	568
5.793		2093	923
5.83		37041	36829
5.884		16137	26996
5.953		2539	3726
6.021		54915	51652
6.086		49549	57112
6.144		1529	654
6.256		15636	22508
6.386		1218	664
6.41		2071	683
6.458		53075	53802
6.507		1313	463
6.532		2129	796
6.605	DCB	3792178	3948910
6.775		2399	1178
6.927		1728	474
7.013		2128	1287
7.033		961	338
7.097		1718	824
7.124		1939	1128
7.16		1556	292
7.372		1988	718
7.5		1685	1425
7.573		1544	531
7.68		1365	352
7.69		1426	818
7.738		1937	996
7.792		1409	322
7.833		1770	372
7.979		1466	369

RT A	Compound A	Height A	Area A
8.084		1719	1871
8.194		1001	339
8.279		2059	604
8.58		1927	688

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		2723	2564
1.558		2277	2000
1.695		7700	16237
1.724		5016	2841
1.765		8368	19538
1.796		8204	11134
1.853		7973	22488
1.901		92097	86770
1.966		9129	17231
2.03		15494	11327
2.134		8584	8339
2.158		3589	3737
2.184		2634	1369
2.223		3863	2047
2.247		2030	1581
2.323		5546	11454
2.387		5216	3905
2.417		3127	1513
2.471		6421	3786
2.509		6028	7588
2.525		22741	16065
2.568		2221	972
2.591	TCX	7498605	4795653
2.689		3416	2430
2.765		34835	34078
2.809		93392	49983
2.824		14242	5738
2.876		146745	100802
2.925		19550	11503
2.949		3206	2579
2.987		32204	20828
3.035		4210	8397
3.084		466884	442522
3.136		34497	19680
3.159		17448	13002
3.181		8666	4154
3.205		367501	258612
3.245		22991	14759
3.27		31683	15880
3.289		80251	42890
3.305		36922	17481
3.354		317648	147599
3.363		347059	137022
3.383		72721	28986
3.397		355857	229313
3.471		537448	336050
3.507		889700	562724
3.529		818010	448942
3.547		262541	132428
3.598		3870	4061
3.632		1053451	695884
3.655		341793	182381
3.675		353428	215394
3.704		171730	87046

3.721		731557	458665
3.762		300892	209652
3.811		57584	48563
3.832		547415	339981
3.854		1397113	894220
3.879		975531	592365
3.897		83385	37542
3.917		93461	54439
3.952		426249	307445
3.986		750551	573662
4.014		352950	199083
4.062		60588	48515
4.096		244783	187623
4.152		452798	335123
4.184		263491	182689
4.212		673608	503755
4.25		13793	12415
4.304		284953	262602
4.34		67840	50102
4.373		410534	348848
4.439		59926	39982
4.463		29969	19057
4.537		69699	79088
4.589		386225	322804
4.629		22573	20792
4.669		119485	105228
4.701		12688	14146
4.738		9599	7657
4.838		2851	1914
4.856		3707	2186
4.888		19927	14016
4.911		38017	30460
4.961		11294	10432
4.998		3997	3051
5.031		5528	4052
5.061		14987	9859
5.083		42327	36559
5.155		14481	11791
5.195		6247	9749
5.273		2234	1710
5.298		21014	16546
5.346		35442	37542
5.498		60653	52642
5.567		59617	50057
5.616		9949	7837
5.725		21609	23613
5.876		1741	1674
5.926		92743	80575
6.085	DCB	6961152	6791141
6.537		5873	5591
8.165		10940	17911

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

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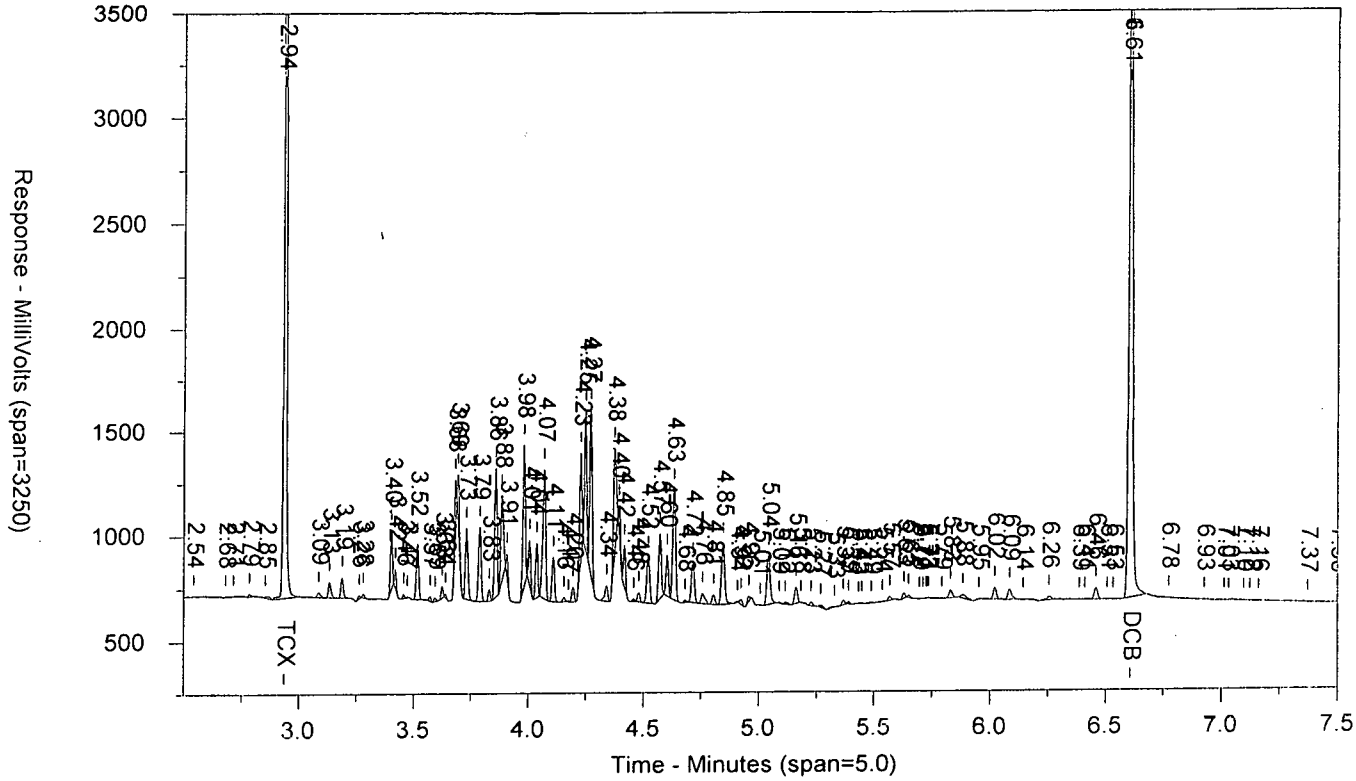

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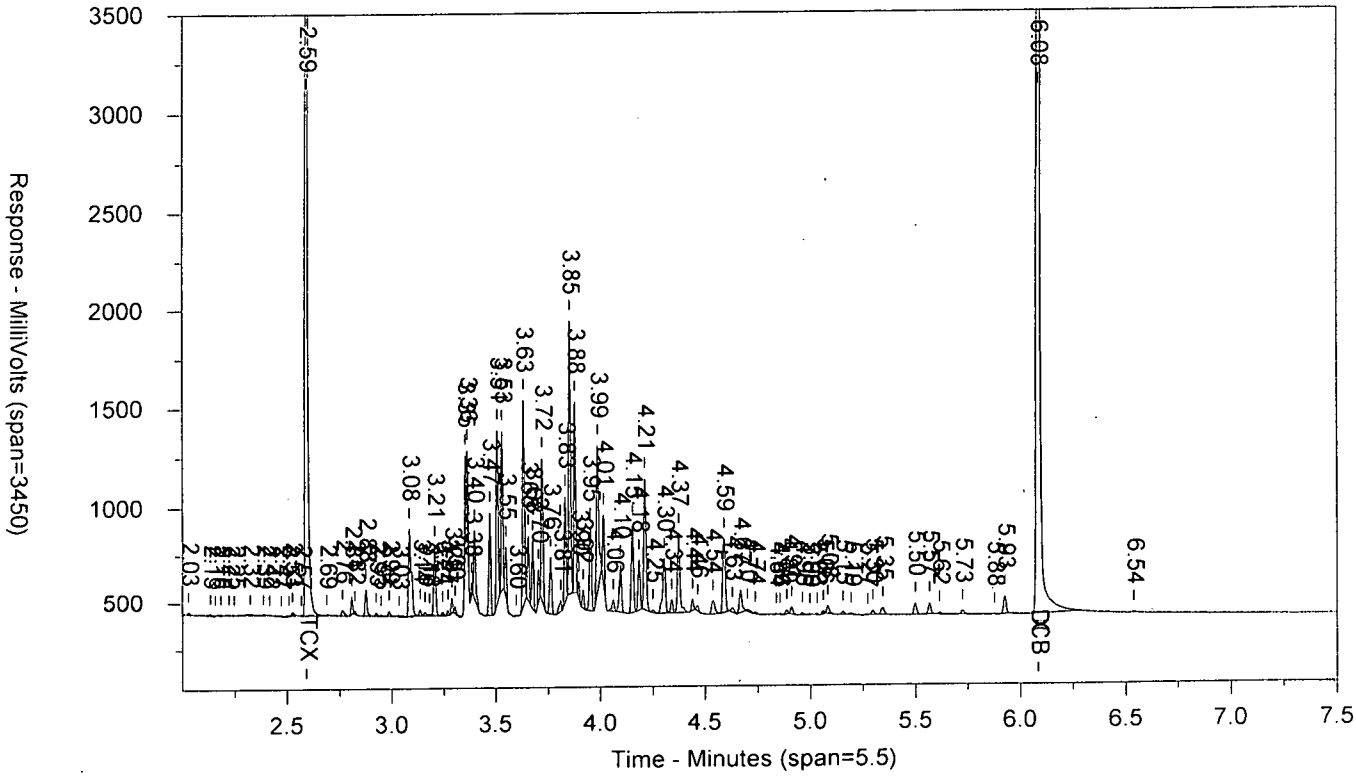

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:42:59 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	4987558	18.195	TCX	2.591	7498605	18.09	TCX
6.605	3792178	18.793	DCB	6.085	6961152	18.389	DCB

Files:
Area File: 07PCBS17284001.0015.RAW
Area File: 07PCBS17284001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 9:51:39 PM
File Reported On: 10/11/2017 at 9:51:49 PM

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

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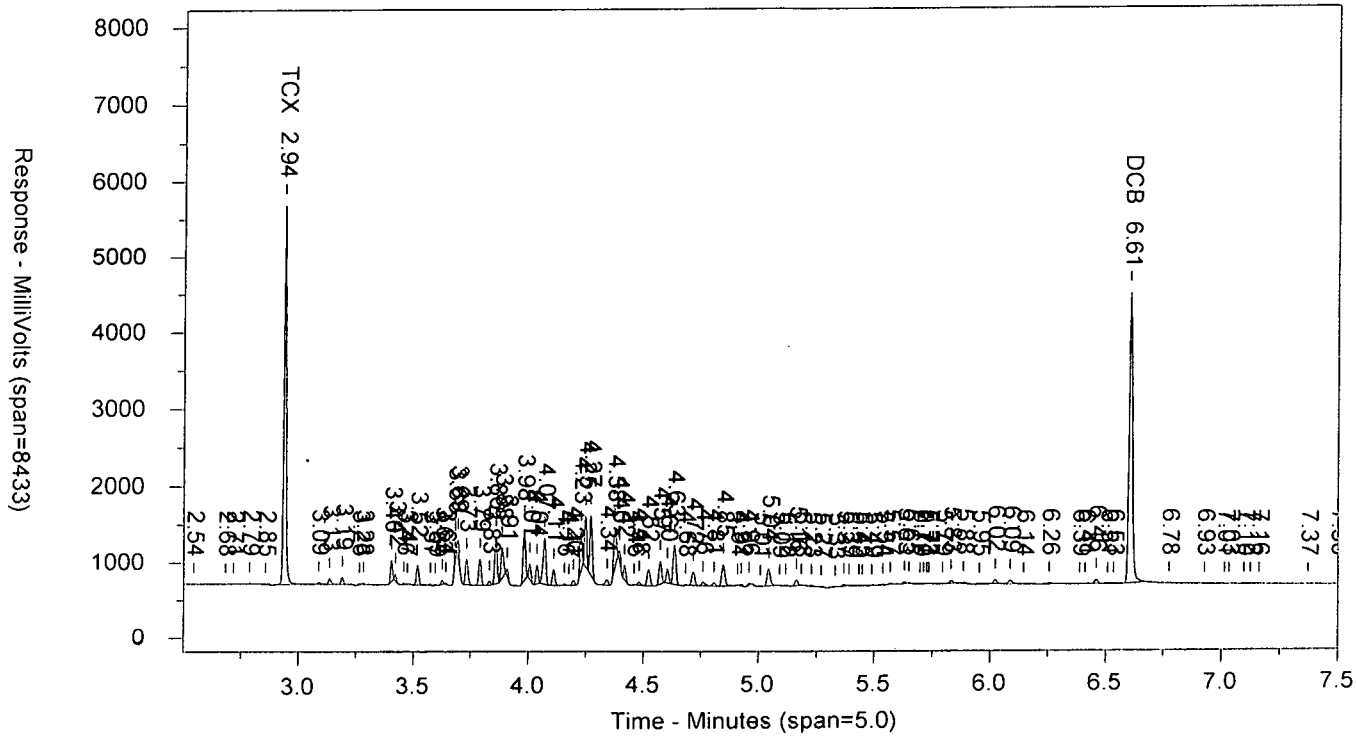

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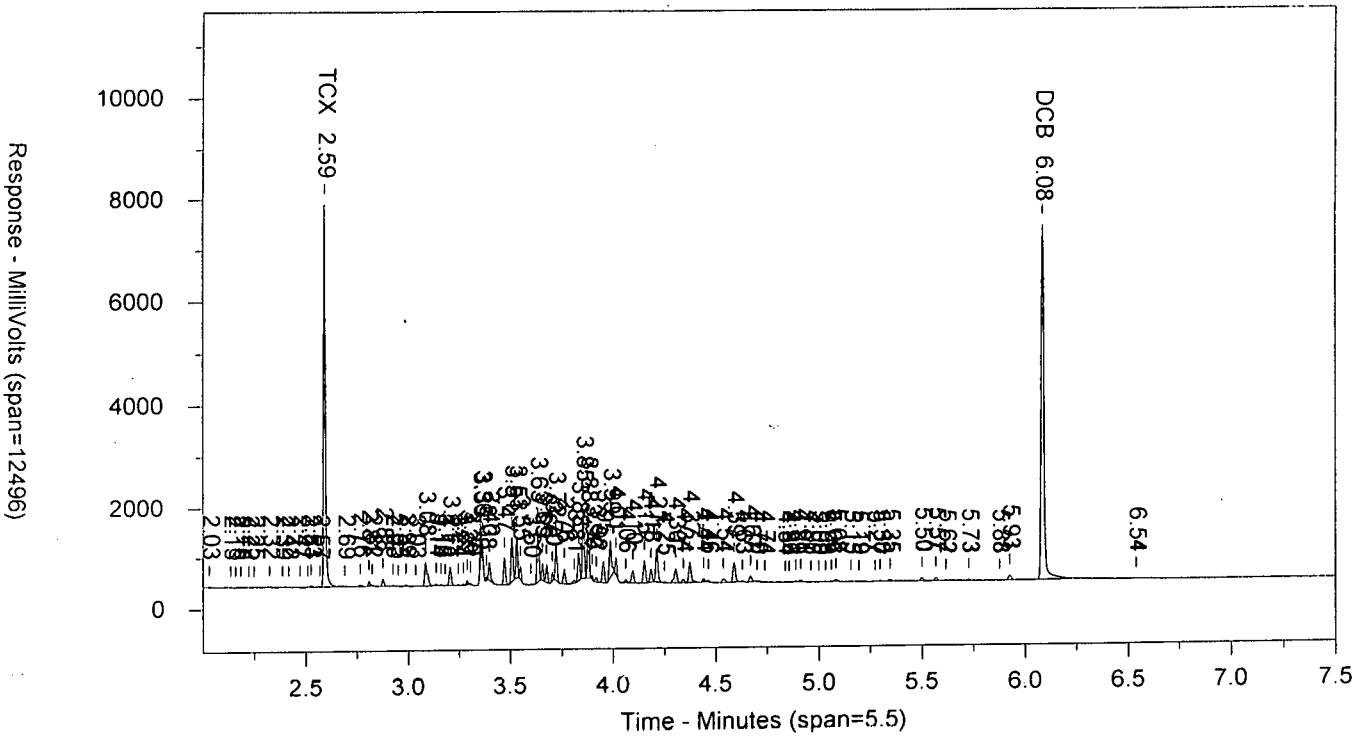

AR4831724C AAAR483AA ICAL 1728399999 10736 SW-846 8082

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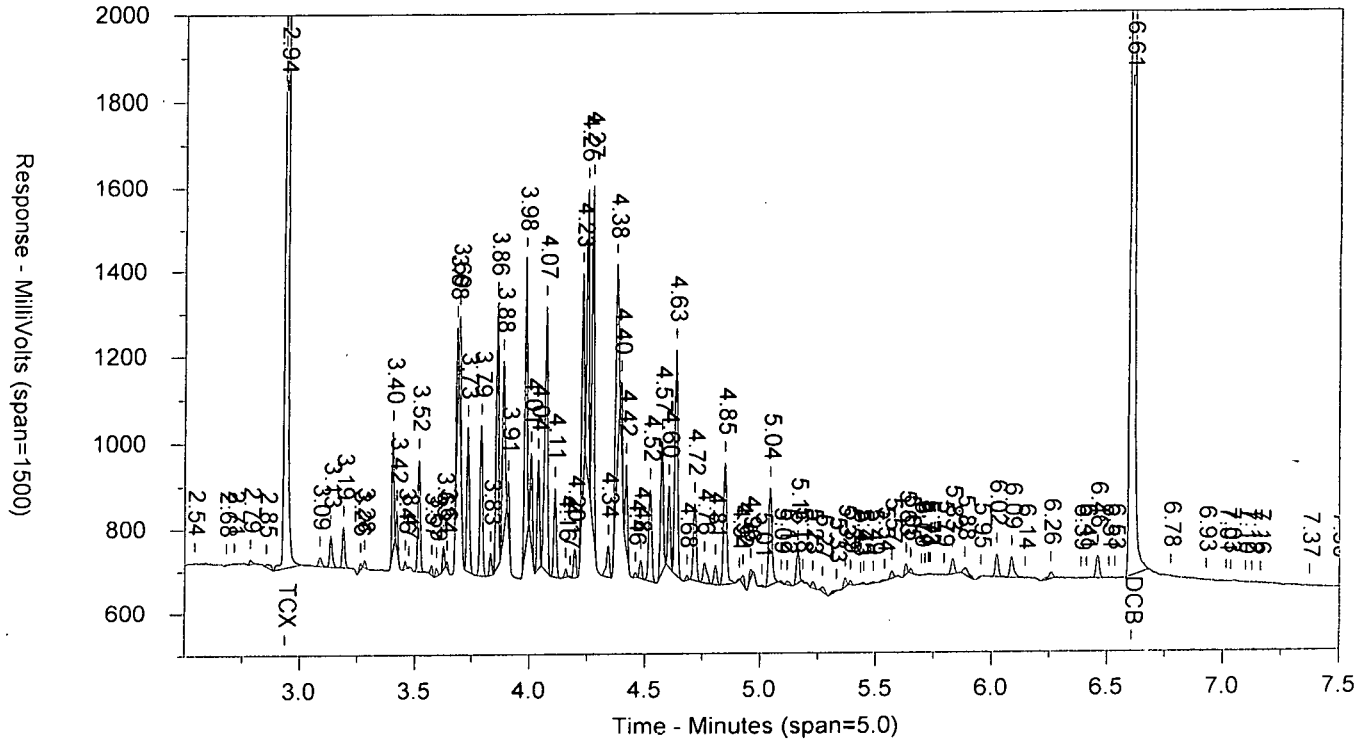

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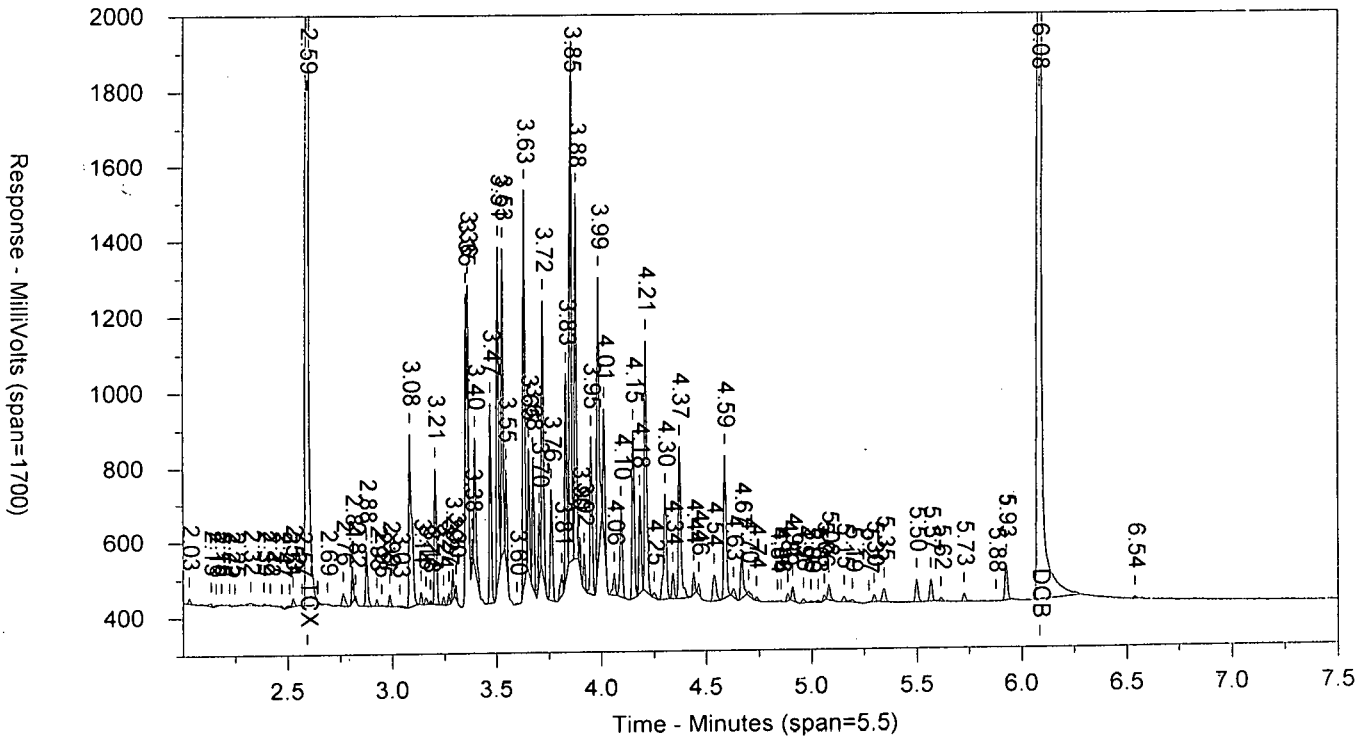

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 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: 07PCBS17284001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.513		6137	5479
1.632		16317	115128
1.654		6005	14187
2.054		24980	50835
2.091		6894	8186
2.177		5189	9162
2.234		52787	36078
2.333		37294	35675
2.521		8021	34347
2.652		2657	2603
2.692		2040	1878
2.785		32862	23683
2.862		21683	33553
2.901		10769	11496
2.936	TCX	10620180	7124594
3.034		3675	2098
3.087		38697	38045
3.134		156130	121376
3.189		187011	132371
3.264		30985	20596
3.281		36724	21518
3.403		516995	320154
3.419		180902	89902
3.456		42152	24047
3.472		5510	2137
3.517		509388	376954
3.573		48096	29057
3.594		23562	16279
3.626		112686	66291
3.641		35709	15909
3.683		479733	263135
3.694		504311	230163
3.731		644882	511478
3.79		723141	546266
3.831		111130	76000
3.859		1219529	870259
3.885		824770	615452
3.906		192011	107531
3.981		1359448	986008
4.005		408911	273873
4.036		495088	364075
4.07		1218522	1101186
4.11		424274	335880
4.156		46048	36107
4.195		143695	111070
4.228		1062073	735601
4.248		1348882	849891
4.272		1547977	1171875
4.341		150919	141473
4.376		1061043	910645
4.395		267283	154160
4.417		365079	243662
4.458		24635	15787

RT A	Compound A	Height A	Area A
4.481		90233	67188
4.522		435269	396036
4.572		618744	513994
4.604		382137	287565
4.634		1074239	916125
4.683		23830	16830
4.716		374072	345580
4.759		91933	111607
4.806		92588	84275
4.846		572436	572615
4.925		58800	80755
4.958		47946	36445
4.972		20601	12876
5.006		2291	893
5.043		456646	475834
5.09		13196	9741
5.116		15331	21005
5.162		145407	134473
5.182		5735	3773
5.202		9157	5497
5.229		30566	25940
5.271		22091	22783
5.32		3735	6611
5.368		44986	37965
5.392		20205	14457
5.449		11166	8986
5.485		7151	8021
5.53		6693	6399
5.569		33602	32118
5.591		5254	4470
5.628		56773	45399
5.65		15661	11388
5.701		1579	771
5.724		1468	419
5.744		1750	1109
5.778		1675	1089
5.832		70542	69157
5.86		1974	463
5.889		36454	56613
5.952		3328	3782
6.022		115660	111876
6.086		108350	120057
6.257		31089	42737
6.382		1546	686
6.458		109267	113750
6.605	DCB	7616867	7850766
6.771		2365	734
6.958		2216	550
6.988		1442	619
7.052		3244	3395
7.224		1351	320
7.284		1628	1471
7.379		1521	439
7.467		1426	621
7.524		1623	402
7.593		1359	701
7.608		1304	746
7.656		1886	703
7.707		1666	648
7.758		1864	708
7.789		1679	408
7.905		1894	438
7.959		1700	607
7.994		1117	676
8.049		1630	663
8.103		1194	662

RT A	Compound A	Height A	Area A
8.268		1804	904
8.323		1498	464
8.572		2607	1934

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 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: 07PCBS17284001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		4317	4526
1.557		4404	3559
1.647		2755	1501
1.695		6329	13555
1.722		4804	2168
1.756		3049	4236
1.795		7009	6910
1.819		3039	2530
1.902		111412	93895
1.97		10348	18382
2.03		31685	21912
2.134		10806	11050
2.156		6543	6211
2.222		5115	5301
2.275		3653	2506
2.32		7118	13659
2.386		5037	3575
2.415		4115	3309
2.508		9996	16007
2.525		58809	47965
2.591	TCX	16155880	10229740
2.764		60709	57332
2.809		194985	104215
2.824		27118	11264
2.876		273712	186725
2.925		42809	23754
2.987		62334	40651
3.03		2130	1355
3.084		916629	837834
3.135		70617	40859
3.157		26062	17442
3.181		22399	12443
3.205		741290	503637
3.244		32429	20469
3.269		69041	35662
3.289		160333	86669
3.304		64165	29550
3.354		648255	313476
3.363		765068	302147
3.383		131082	55402
3.397		731410	447915
3.471		1080155	688068
3.506		1834271	1145947
3.53		1640912	908552
3.547		527340	264162
3.598		4673	4228
3.632		2203754	1430385
3.655		698729	371252
3.675		739368	435996
3.704		346317	173602
3.721		1608495	954906
3.762		606153	435415
3.81		121227	101986
3.832		1093008	690532

3.855		3061148	1896037
3.879		2073833	1274330
3.897		159861	74405
3.917		181767	104504
3.936		8128	2457
3.953		901594	607686
3.986		1595806	1189511
4.014		789725	440563
4.046		5299	2198
4.062		113878	75544
4.096		489208	380982
4.152		926612	698316
4.185		525478	379516
4.212		1436995	1047236
4.251		29718	27712
4.304		584924	541375
4.34		142292	102664
4.373		792706	599758
4.396		21621	10797
4.44		119140	79271
4.464		66147	43658
4.537		142848	153977
4.59		822810	666720
4.63		43104	41859
4.669		232723	208091
4.701		17594	8422
4.739		22424	15698
4.813		3196	2001
4.838		5339	2751
4.855		7364	4882
4.889		40993	28211
4.912		81047	60448
4.961		21612	20225
4.997		7379	5501
5.029		8707	6605
5.06		27811	19520
5.083		79584	69974
5.155		24254	20064
5.273		3626	2936
5.298		38835	33637
5.346		72109	79267
5.499		125296	112516
5.568		122421	111100
5.617		18363	15337
5.726		41022	34270
5.813		2077	3982
5.879		3991	3516
5.925		193174	166983
5.957		3954	2372
5.976		2517	2300
6.085	DCB	14389950	13301000
6.36		2244	2441
6.537		11295	10481
6.706		2272	3526
7.586		1944	2906
8.164		11708	25104
8.682		2155	1534

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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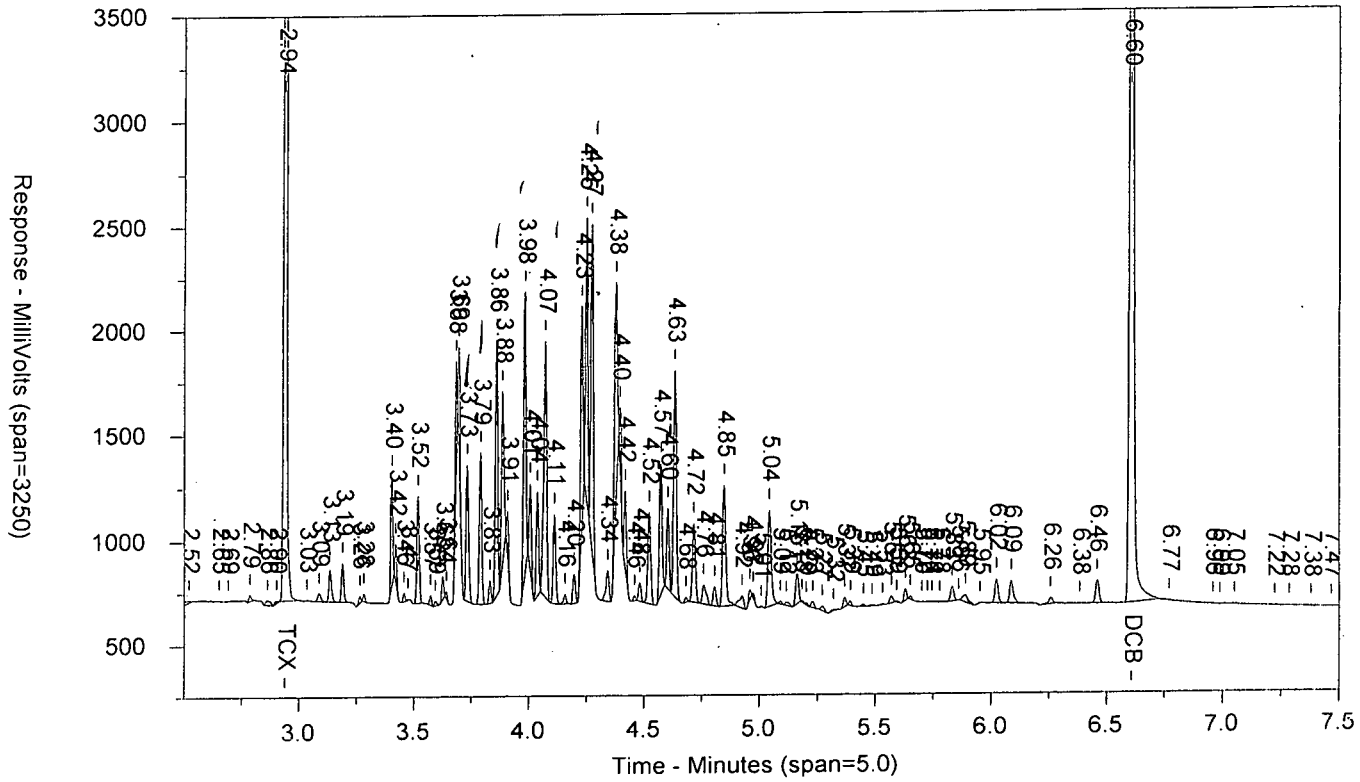

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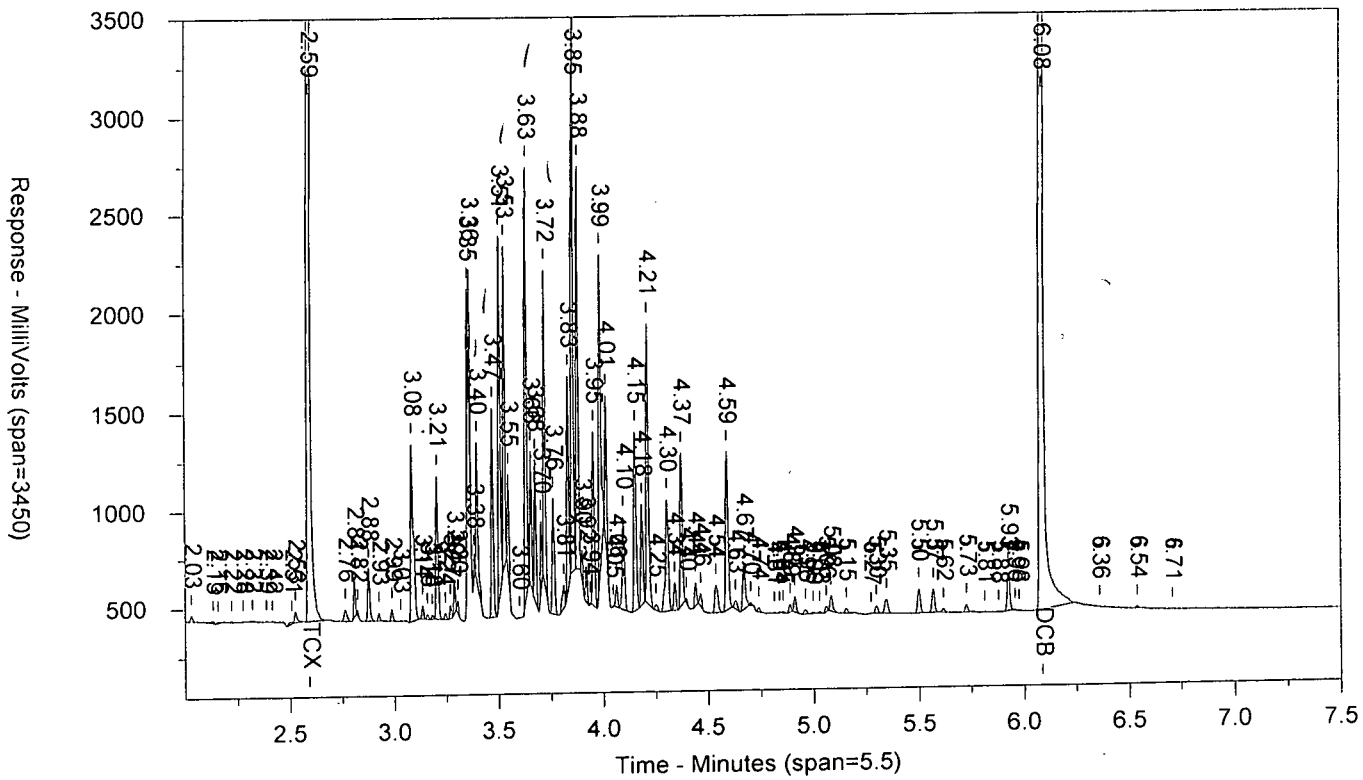

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 9:54:15 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
2.936	10620180	38.743	TCX	2.591	16155880	38.974	TCX
6.605	7616867	37.748	DCB	6.085	14389950	38.013	DCB

Files:
Area File: 07PCBS17284001.0016.RAW
Area File: 07PCBS17284001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:03:00 PM
File Reported On: 10/11/2017 at 10:03:07 PM

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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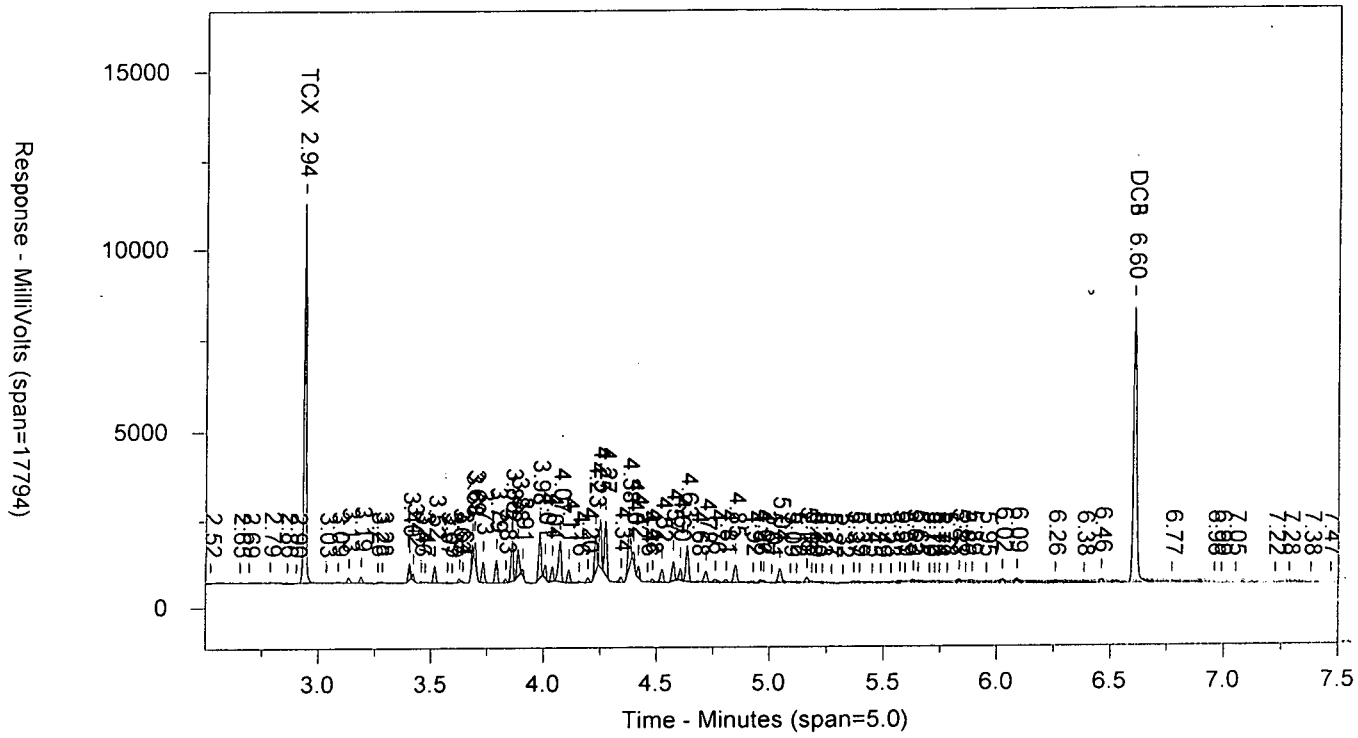

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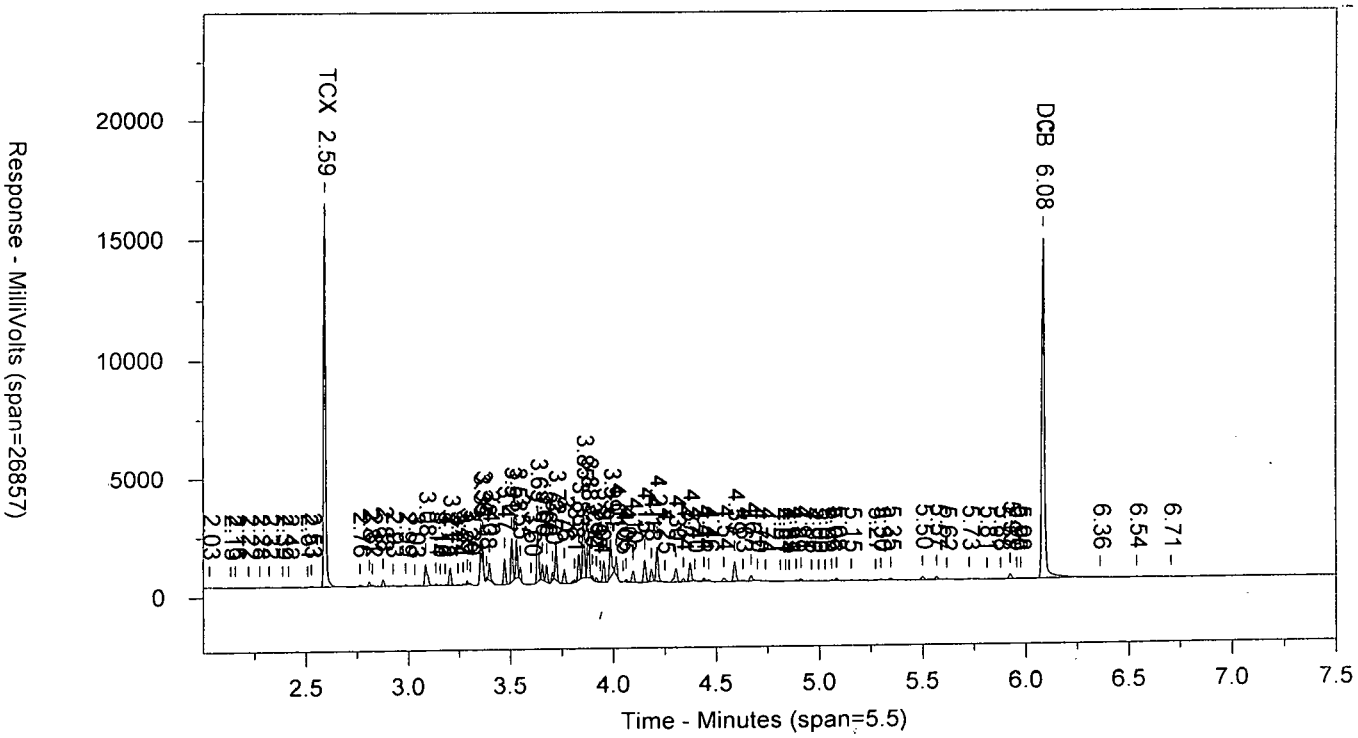

AR4841724C AAAR484AA ICAL 1728399999 10736 SW-846 8082

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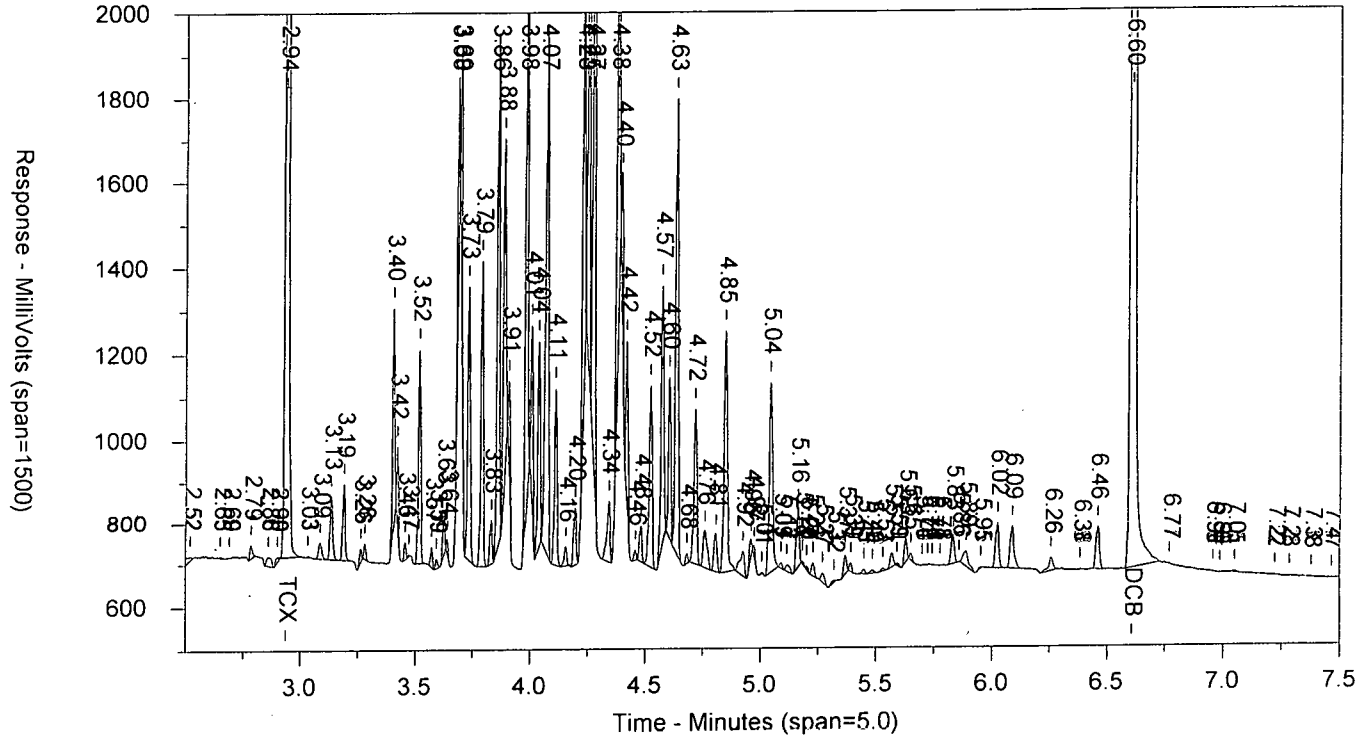

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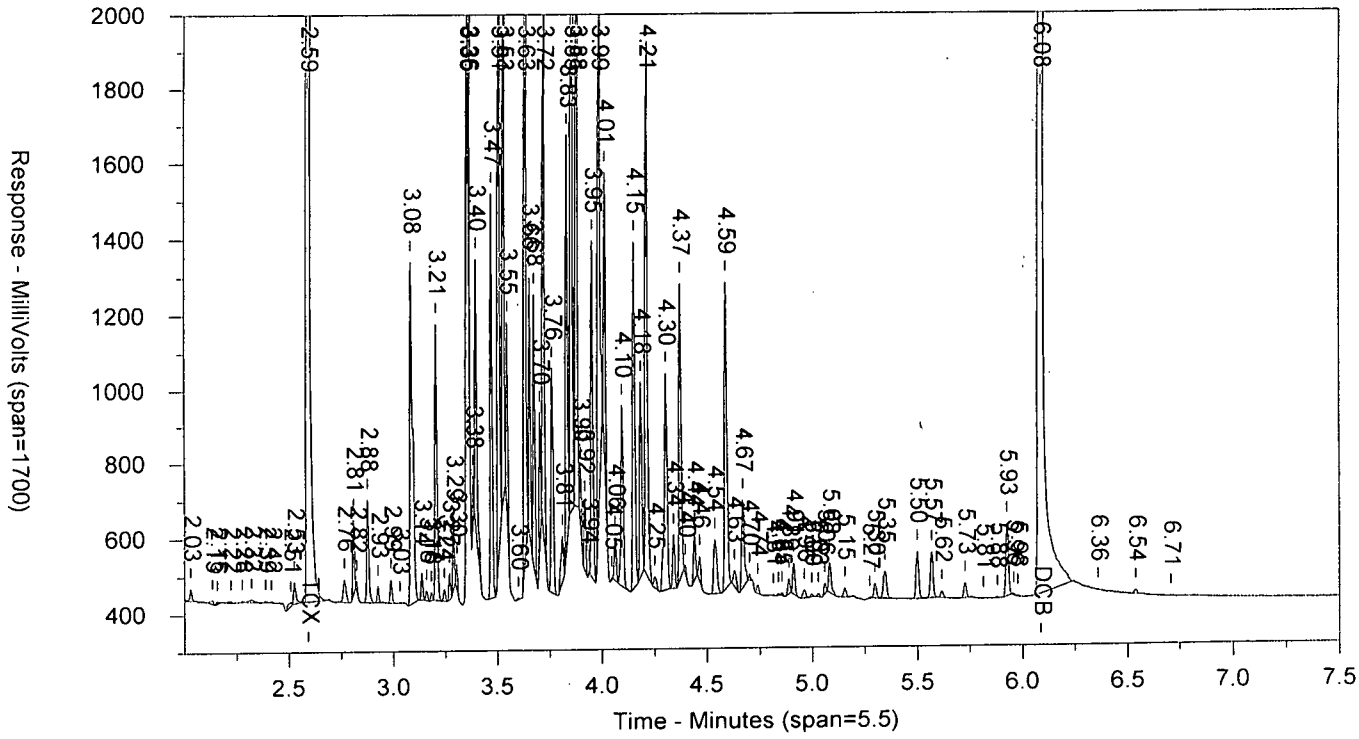

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 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: 07PCBS17284001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.578		30868	30988
1.615		10780	34986
1.736		3373	3074
1.78		2850	1260
1.915		2440	1309
1.993		1763	616
2.061		15357	45851
2.094		4194	5461
2.175		8364	13563
2.206		5754	8532
2.234		78812	61600
2.333		35097	20715
2.342		32360	18981
2.498		8830	9679
2.574		4714	2438
2.681		3318	1967
2.76		1511	1499
2.785		35263	31251
2.856		3460	2126
2.899		7625	6467
2.937	TCX	16330050	10791140
3.036		5402	2922
3.087		92715	93072
3.134		231778	197066
3.188		430426	306061
3.264		39305	23472
3.282		85676	52822
3.403		1192078	699810
3.42		385033	202060
3.456		93504	54813
3.473		14594	5828
3.483		17185	8052
3.517		1118866	843283
3.573		57308	34157
3.593		56512	36890
3.626		249359	144566
3.641		78157	35611
3.683		1081741	556872
3.694		1248784	543266
3.731		1462920	1146455
3.789		1581065	1222644
3.831		247966	171744
3.858		2781102	1925523
3.885		1746302	1345355
3.907		481313	257744
3.981		3089287	2229384
4.005		948476	603733
4.036		1157515	809330
4.07		2918528	2504682
4.109		932478	741872
4.156		112265	96341
4.195		323264	251311
4.228		2535929	1660892

RT A	Compound A	Height A	Area A
4.248		3248913	2037407
4.271		3710897	2737901
4.341		338849	311160
4.376		2668808	2174321
4.395		836685	422064
4.417		811911	553990
4.457		53194	34416
4.481		195539	145093
4.521		994673	859135
4.572		1389941	1173621
4.603		839074	628736
4.633		2453618	2073640
4.682		47253	34468
4.715		826682	765147
4.758		207321	245715
4.805		206964	190333
4.845		1297426	1299875
4.924		125014	165513
4.957		94368	70549
4.969		35242	25515
5.007		18329	14173
5.042		1034935	1094282
5.09		30702	19898
5.115		30948	44304
5.161		329381	297988
5.181		10741	7632
5.201		20883	11983
5.228		72556	60521
5.27		42695	43701
5.31		2688	2284
5.368		105121	88340
5.391		49033	34652
5.447		27078	22850
5.485		16471	19970
5.53		10321	11397
5.567		74112	70733
5.593		9106	6017
5.628		142898	124913
5.649		15975	11615
5.787		1841	436
5.832		150138	153818
5.888		75480	122998
5.951		2438	2626
6.023		168831	166974
6.086		165625	192138
6.258		67879	73224
6.3		3471	2438
6.389		2358	2112
6.427		1420	750
6.458		179646	178046
6.534		830	367
6.605	DCB	11569640	11899720
7.05		6814	8239
7.542		1180	602
7.587		1709	511
7.707		1149	396
7.741		1416	431
7.75		1231	530
7.796		1059	297
7.822		1105	353
8.042		2745	751
8.067		1228	485
8.114		1123	729
8.14		1467	640
8.208		1051	760
8.383		1468	503

RT A	Compound A	Height A	Area A
8.575		2227	578

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 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: 07PCBS17284001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		5744	5696
1.558		5661	3964
1.648		3679	2019
1.685		4945	9668
1.722		5497	3054
1.76		10033	22619
1.796		9487	11228
1.862		8426	25443
1.902		144461	133203
1.968		10976	20426
2.029		47291	33628
2.133		8620	9070
2.159		5052	5413
2.21		2962	4540
2.276		7888	4845
2.386		5769	4197
2.507		6051	8518
2.525		59371	53404
2.591	TCX	24084770	15185330
2.764		136865	130523
2.809		265357	141804
2.824		71393	32061
2.876		602489	413890
2.925		65168	37804
2.987		144926	94756
3.083		1967460	1829646
3.134		161994	94609
3.156		62588	39521
3.181		55924	29533
3.205		1622657	1123591
3.243		83784	54088
3.269		89241	44424
3.288		367303	195388
3.303		134122	60036
3.353		1441189	680712
3.362		1752924	702514
3.383		297109	119560
3.397		1640387	1029866
3.47		2521271	1559195
3.506		4088988	2562466
3.528		3825142	2067519
3.546		1197357	596781
3.595		4659	3730
3.632		5107096	3252872
3.654		1547490	819490
3.674		1676251	971357
3.703		763872	393716
3.72		3754953	2225296
3.761		1392458	968568
3.809		265930	230107
3.831		2637529	1583024
3.854		7254143	4409242
3.878		4888730	2993561
3.897		351380	158370

3.916		381944	218377
3.936		15383	6334
3.952		1990047	1349405
3.985		3697510	2738786
4.013		1923335	1077217
4.045		7238	2985
4.06		263921	175222
4.095		1106119	851185
4.151		2092494	1594974
4.183		1244711	861659
4.211		3358845	2409487
4.249		61862	58198
4.304		1333896	1215187
4.339		316319	228536
4.372		1827851	1375732
4.394		39443	21234
4.439		273365	175156
4.463		150613	101542
4.535		317777	345642
4.588		1957773	1600810
4.629		92666	85761
4.667		525717	458140
4.699		38221	18600
4.713		26560	11720
4.737		44198	32735
4.797		2589	1449
4.811		5823	3655
4.836		13452	7849
4.854		19647	12912
4.886		87502	62915
4.91		177413	133777
4.96		48292	46278
4.995		18333	14269
5.029		18643	14204
5.059		65731	45286
5.082		179810	157422
5.154		16808	38556
5.273		6006	3626
5.297		92426	76227
5.344		160593	180511
5.498		194379	166997
5.566		180605	165201
5.616		41733	36467
5.725		90236	76735
5.756		4850	3487
5.925		285779	254350
5.954		4896	2719
5.975		2797	2480
6.084	DCB	20866000	19555910
6.298		3917	1996
6.423		4299	2991
6.536		18577	21969
6.711		3255	3891
8.163		10094	18362
8.37		1503	1074

AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

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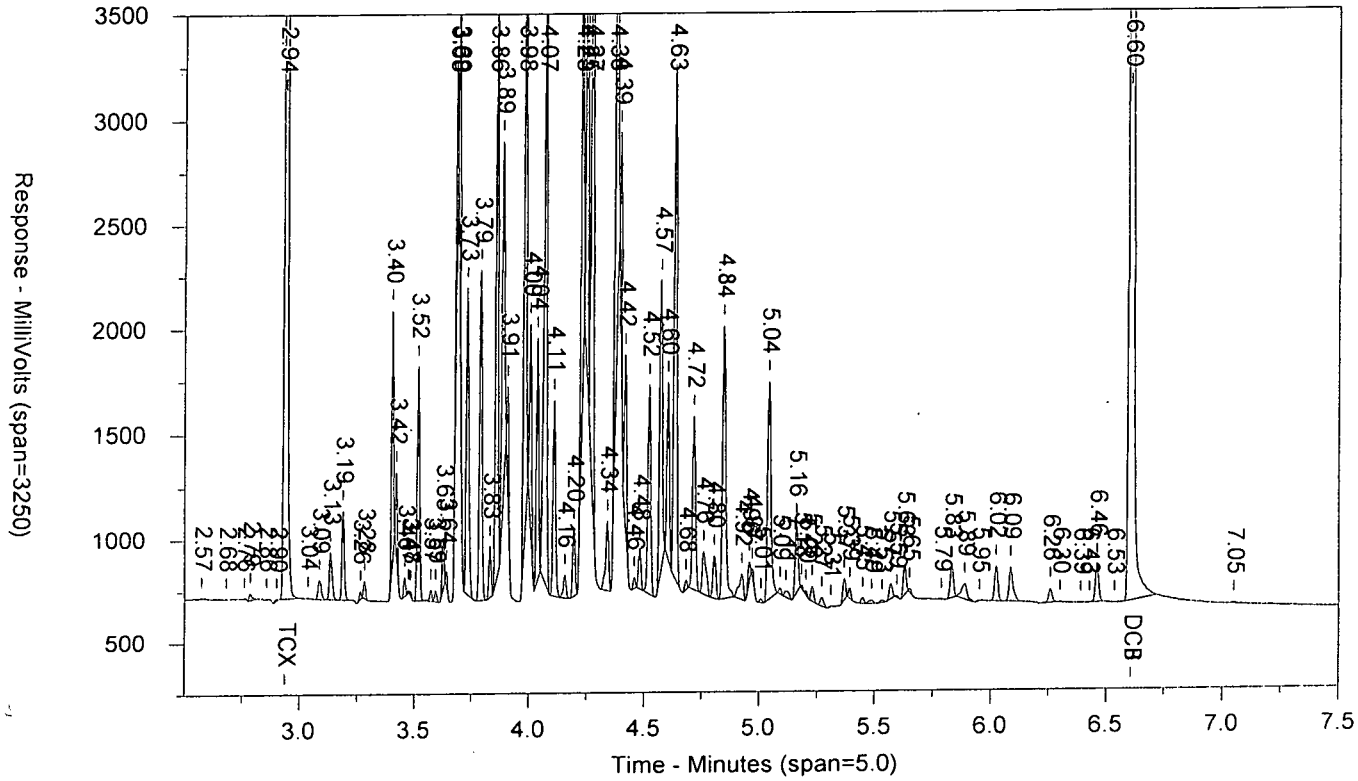

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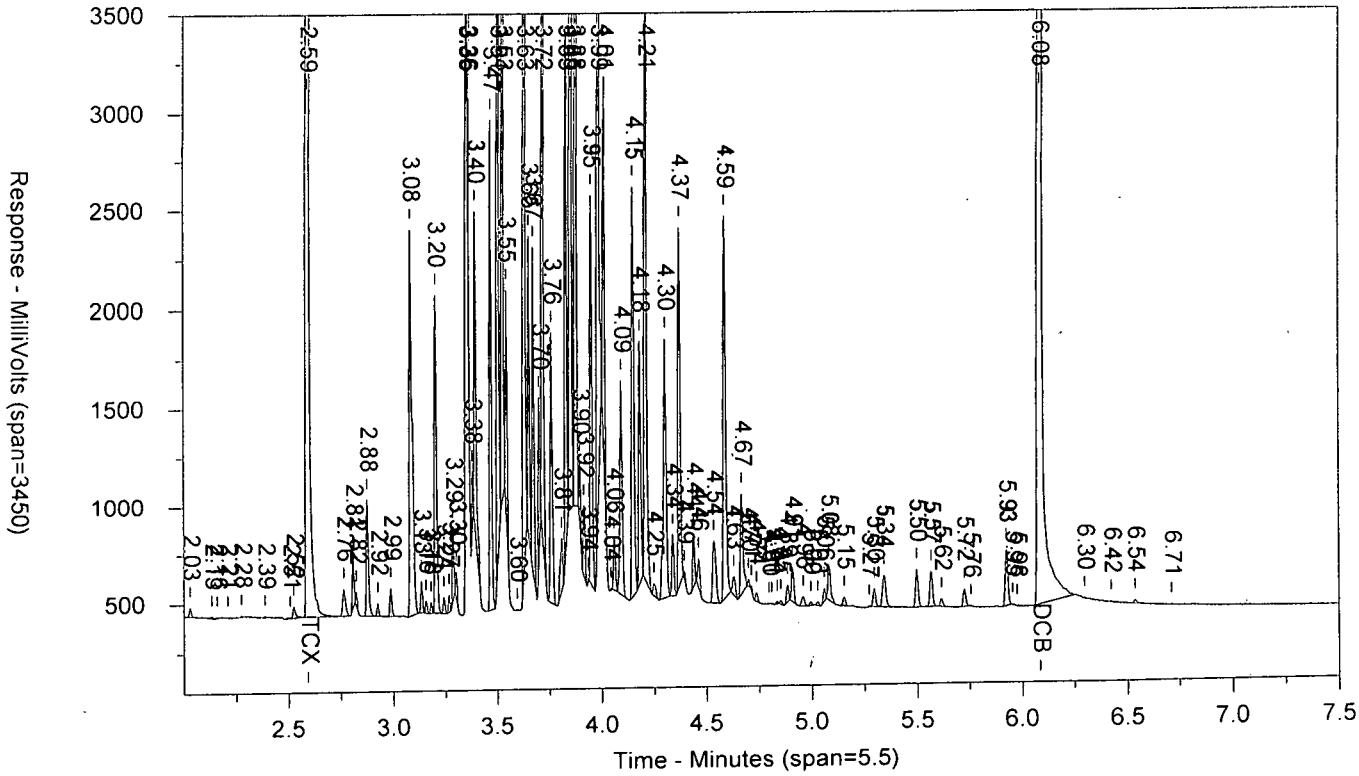

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:05:44 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	16330050	59.573	TCX	2.591	24084770	58.102	TCX
6.605	11569640	57.337	DCB	6.084	20866000	55.12	DCB

Files:
Area File: 07PCBS17284001.0017.RAW
Area File: 07PCBS17284001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:14:26 PM
File Reported On: 10/11/2017 at 10:14:39 PM

AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

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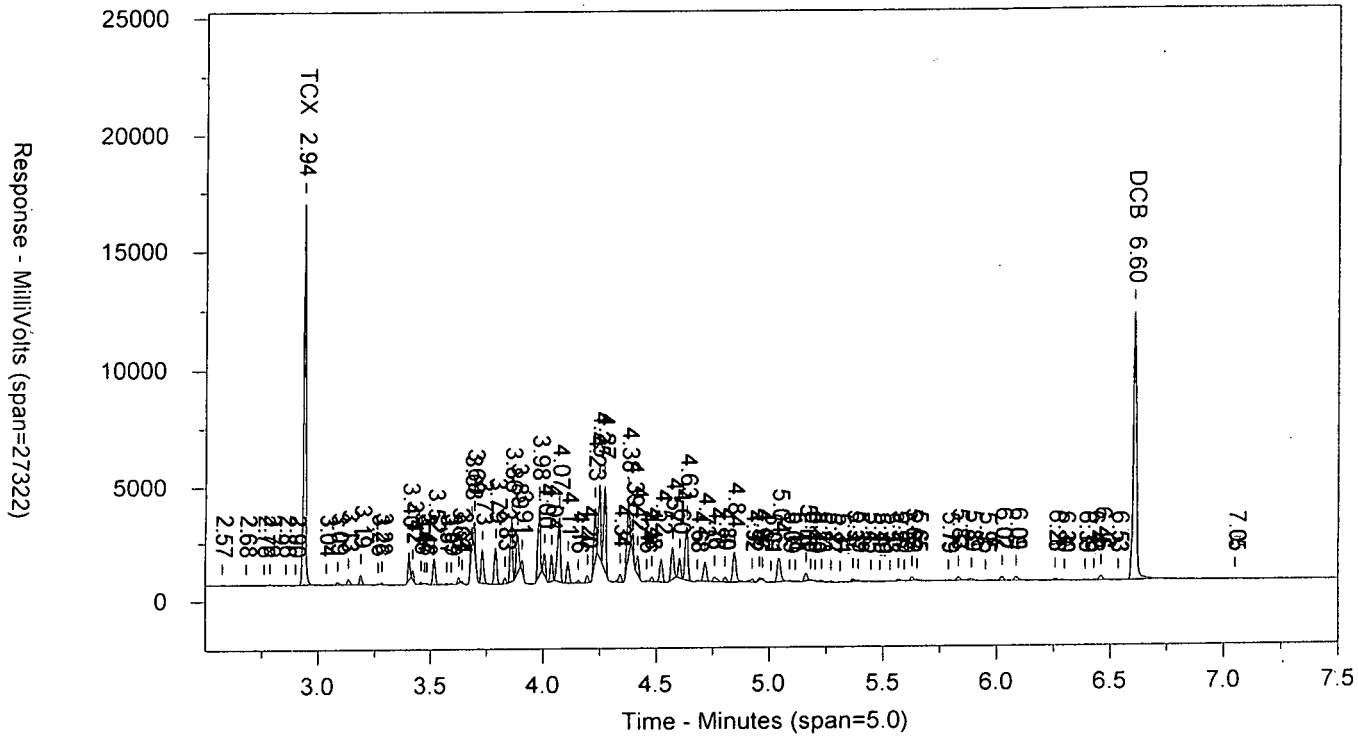

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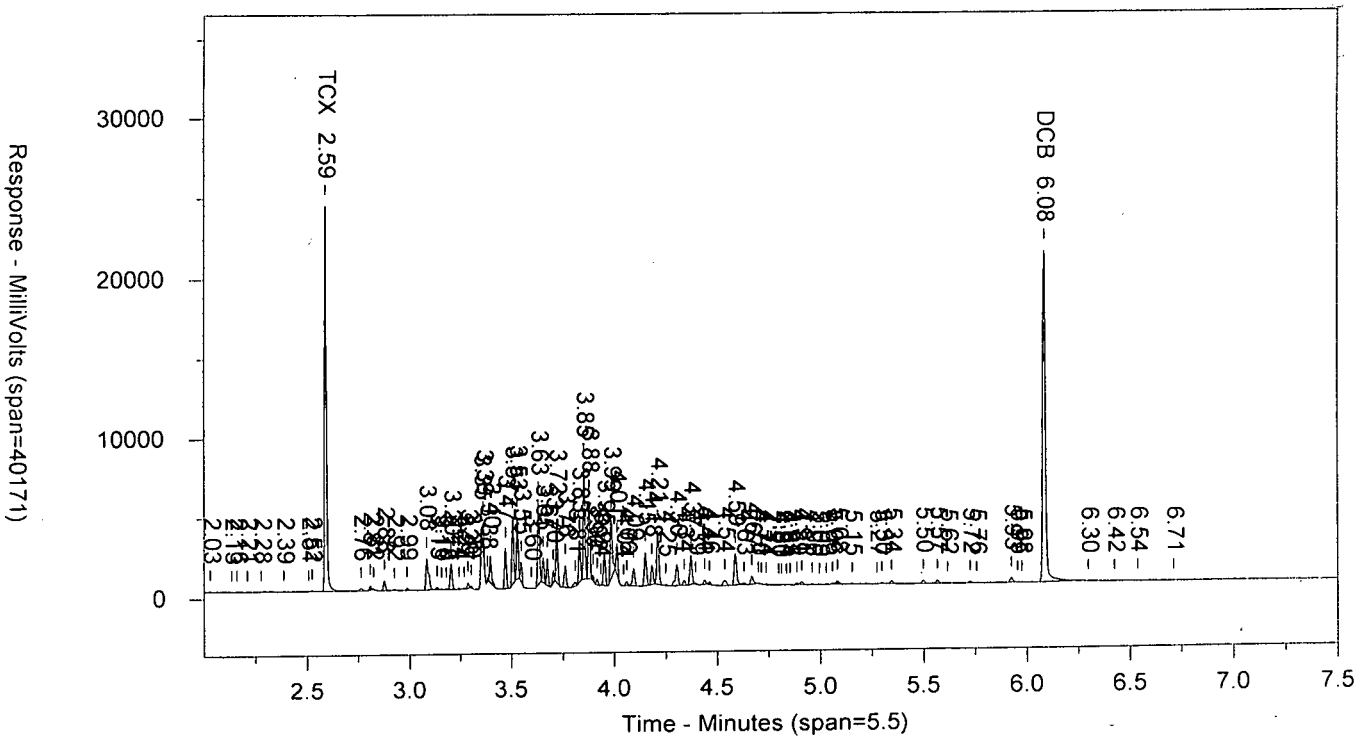

AR4851724C AAAR485AA ICAL 1728399999 10736 SW-846 8082

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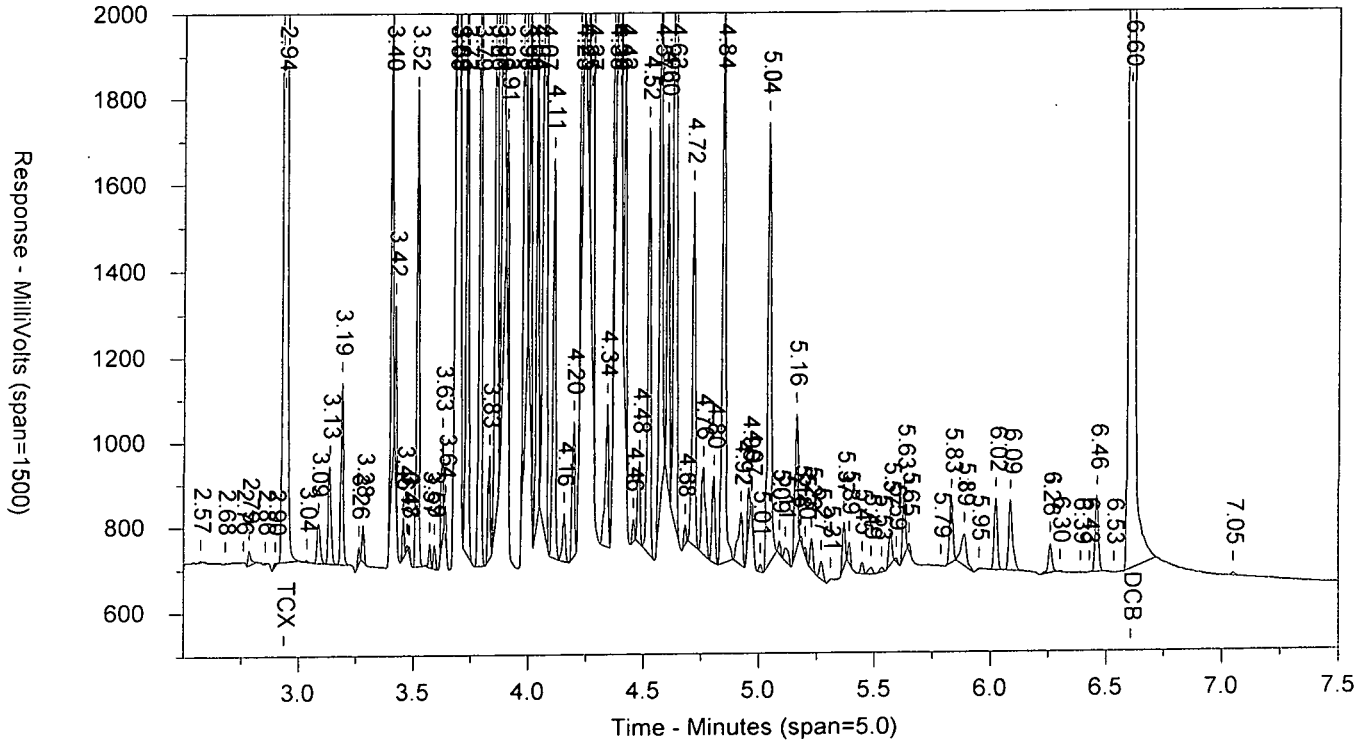

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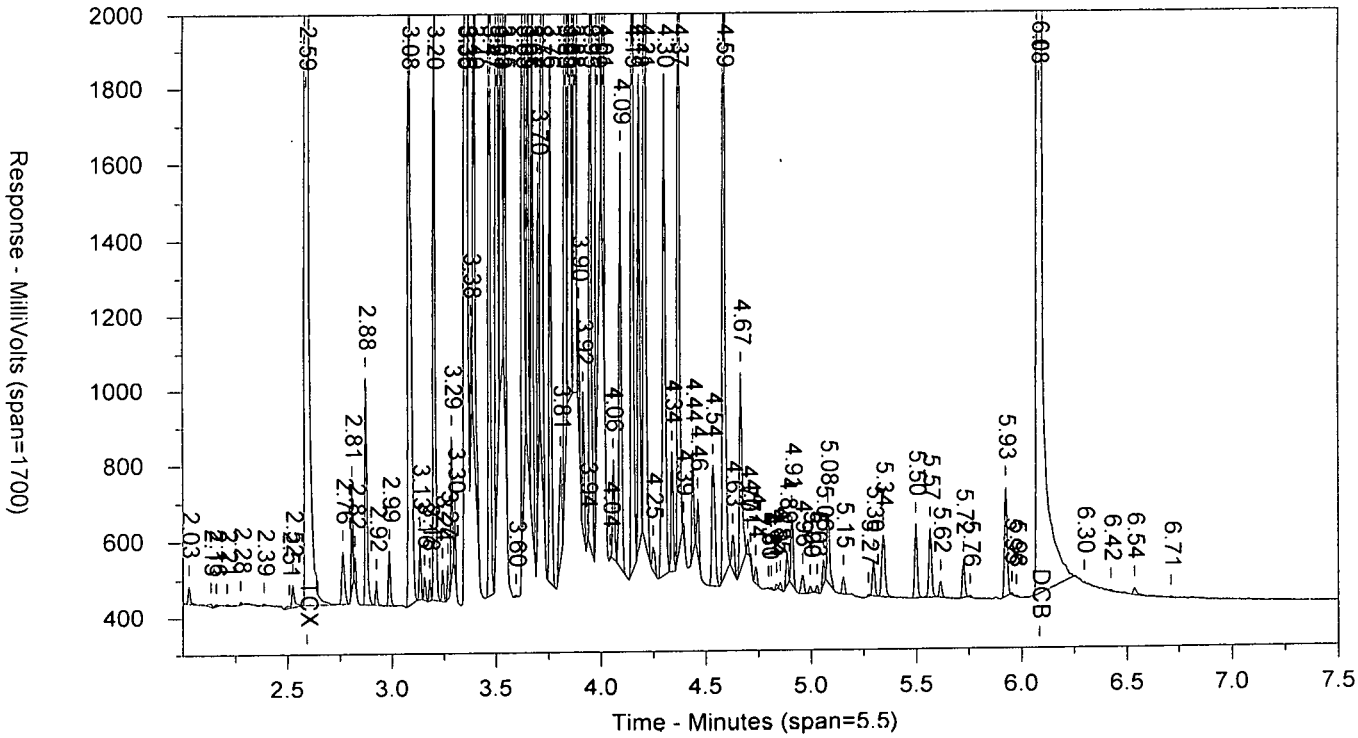

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 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: 07PCBS17284001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.583		45364	48729
1.612		31144	66619
1.649		5622	4765
1.74		2270	1915
1.779		4652	3699
2.004		36056	88047
2.061		27055	63138
2.09		9052	9684
2.187		8884	25161
2.234		99793	68358
2.334		39354	22950
2.343		41433	26648
2.437		2050	1522
2.525		21417	72466
2.547		14391	20180
2.575		11897	10295
2.712		2183	5277
2.785		32939	30669
2.866		18435	27645
2.905		7584	12997
2.937	TCX	21592850	14195450
3.035		6048	3371
3.087		171728	170035
3.135		309797	284542
3.189		789334	559833
3.264		45262	26899
3.281		164416	104889
3.403		2169707	1304013
3.42		743674	371727
3.457		182327	106289
3.473		24103	9828
3.483		38316	16322
3.517		2144852	1589846
3.553		7510	3783
3.573		75759	45021
3.594		107687	70088
3.626		471149	277907
3.641		146530	69956
3.683		2159704	1135148
3.695		2462731	1137558
3.731		2789385	2174229
3.79		3198760	2352546
3.831		471563	324478
3.859		5384091	3732793
3.885		3507151	2644190
3.906		859087	442526
3.981		6220448	4392752
4.006		1861533	1172078
4.037		2200507	1530851
4.07		5826088	4917044
4.11		1779110	1398122
4.157		215564	183577
4.196		617961	472959

RT A	Compound A	Height A	Area A
4.228		4844688	3302372
4.249		6577990	4076467
4.271		7644800	5475231
4.341		606142	580211
4.376		5009248	4118909
4.396		1768481	905562
4.418		1619812	1061719
4.458		106824	68759
4.481		362103	275569
4.522		1846941	1629255
4.572		2629803	2230221
4.604		1674514	1210349
4.634		4829860	4113609
4.682		95595	65139
4.716		1628702	1466292
4.759		395039	464848
4.805		405655	362015
4.846		2560201	2497327
4.925		236630	310004
4.958		169542	134945
4.97		65136	40816
5.008		32486	26151
5.043		2172517	2135663
5.09		54521	38668
5.115		51833	74589
5.162		614420	567945
5.184		36720	18094
5.201		35400	21772
5.228		134613	111652
5.271		77562	77775
5.312		12251	14081
5.367		209984	169398
5.39		92163	61729
5.447		53610	45131
5.485		31345	37491
5.531		16573	18823
5.567		143764	136455
5.592		20516	13251
5.628		261972	240828
5.65		23814	13572
5.832		281208	280730
5.887		136362	224891
5.952		7860	9249
6.022		229524	219321
6.086		207640	273120
6.232		2222	1422
6.257		115553	123431
6.298		4325	4192
6.387		3262	2955
6.43		1355	718
6.458		238046	242723
6.544		1664	337
6.605	DCB	15141630	15285840
6.99		1538	602
7.049		9415	12462
7.41		1532	791
7.455		1889	625
7.487		1710	948
7.782		1207	860
7.855		933	439
7.887		1836	632
8.068		1700	598
8.097		1365	454
8.142		1195	278
8.228		1625	643
8.32		2114	782

RT A	Compound A	Height A	Area A
8.366		1739	798
8.433		1961	1488
8.516		1532	749
8.57		1792	569
8.694		1343	608

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 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: 07PCBS17284001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.558		3670	2808
1.649		3026	1813
1.722		7523	4318
1.771		16019	36038
1.794		16259	20535
1.819		16027	26442
1.865		14527	14181
1.903		187950	186293
1.969		17233	48522
2.03		67036	54632
2.124		10827	14883
2.163		9533	17130
2.276		19006	14624
2.322		4443	5705
2.386		5093	3571
2.414		4129	18839
2.509		6918	9619
2.525		53045	48968
2.592	TCX	33319490	20580800
2.765		266757	244863
2.809		355029	180736
2.824		151823	72788
2.876		1142436	786839
2.926		83786	48913
2.987		271113	182038
3.031		2196	1092
3.084		3785245	3482703
3.135		309309	185391
3.157		116612	73904
3.181		109192	58028
3.205		3188112	2172421
3.244		152462	100413
3.27		109213	54509
3.289		702878	377364
3.304		247403	114528
3.355		2936891	1280473
3.363		3799642	1459992
3.383		580169	228225
3.398		3301050	2041927
3.471		4933085	3100302
3.507		8349846	5032762
3.53		7610655	4086469
3.547		2332451	1165574
3.596		7517	5510
3.632		10067980	6422796
3.655		3152076	1634618
3.675		3325619	1935865
3.704		1457786	746604
3.721		7614747	4418752
3.762		2637794	1879709
3.811		523572	437174
3.832		4901854	2993106
3.854		14655040	8819751
3.879		10183290	6095651

3.897		688769	309421
3.918		744336	424157
3.953		3976450	2762464
3.986		7488606	5482800
4.014		3979306	2251948
4.045		13283	4964
4.062		508997	341120
4.096		1983197	1542805
4.152		4333592	3182043
4.184		2500557	1691196
4.212		6716961	4834884
4.25		122169	116834
4.305		2623354	2388520
4.34		625292	450278
4.373		3512563	2615931
4.395		81905	46029
4.44		499694	331863
4.464		303317	204363
4.537		637894	657047
4.589		4159736	3292861
4.629		185778	162028
4.669		1006163	880309
4.701		105956	113144
4.739		78969	58443
4.782		3992	1567
4.797		3731	1753
4.811		8818	5371
4.837		25542	15851
4.856		38186	24606
4.888		162336	117945
4.912		335766	258824
4.962		87463	82726
4.997		36479	27188
5.029		33002	27425
5.06		130282	90291
5.084		347444	301418
5.156		65397	55021
5.275		8677	6006
5.299		166091	141352
5.346		311514	343392
5.499		249740	219211
5.567		238742	217917
5.617		68713	64230
5.726		165979	141068
5.756		6163	4420
5.877		5848	5475
5.926		387336	342062
5.956		5951	3541
6.086	DCB	27624690	25248370
6.255		6842	8724
6.537		23769	25932
8.014		1643	1704
8.164		10033	17605

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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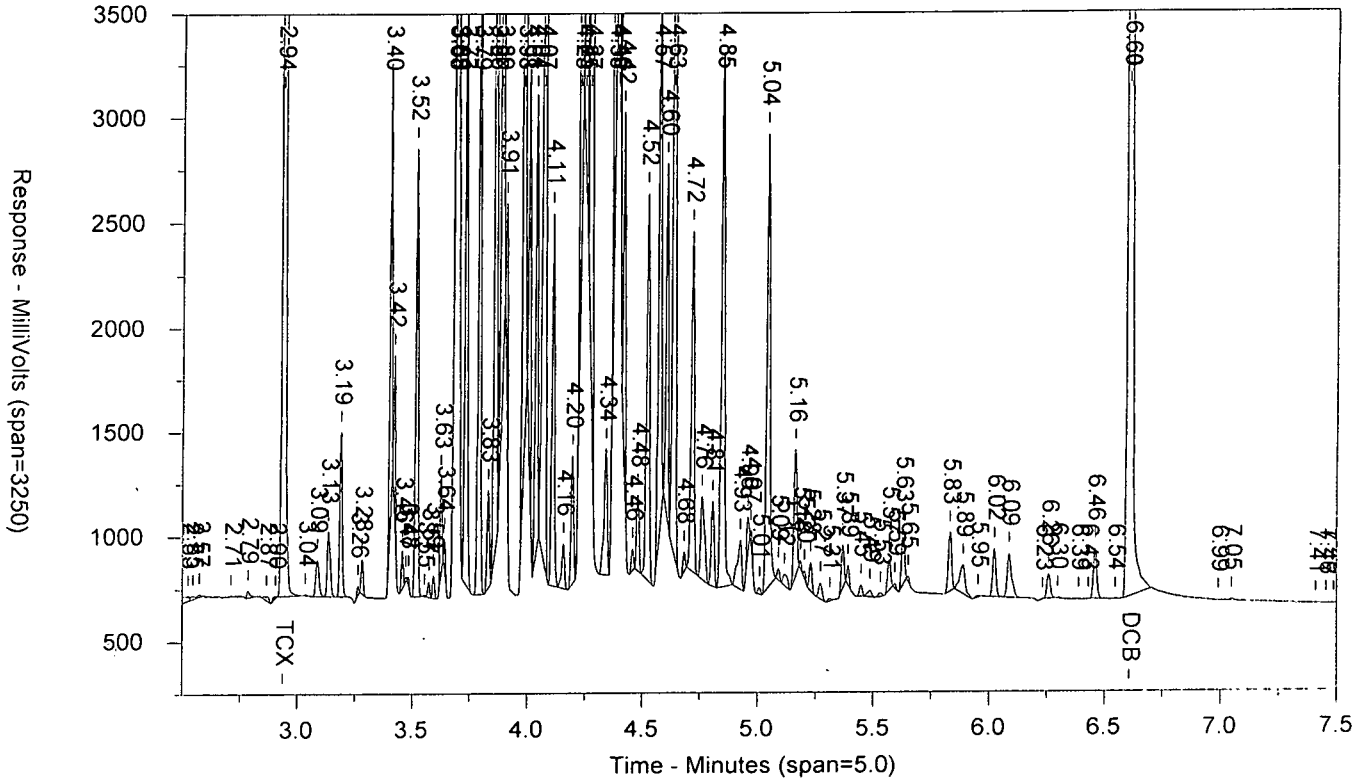

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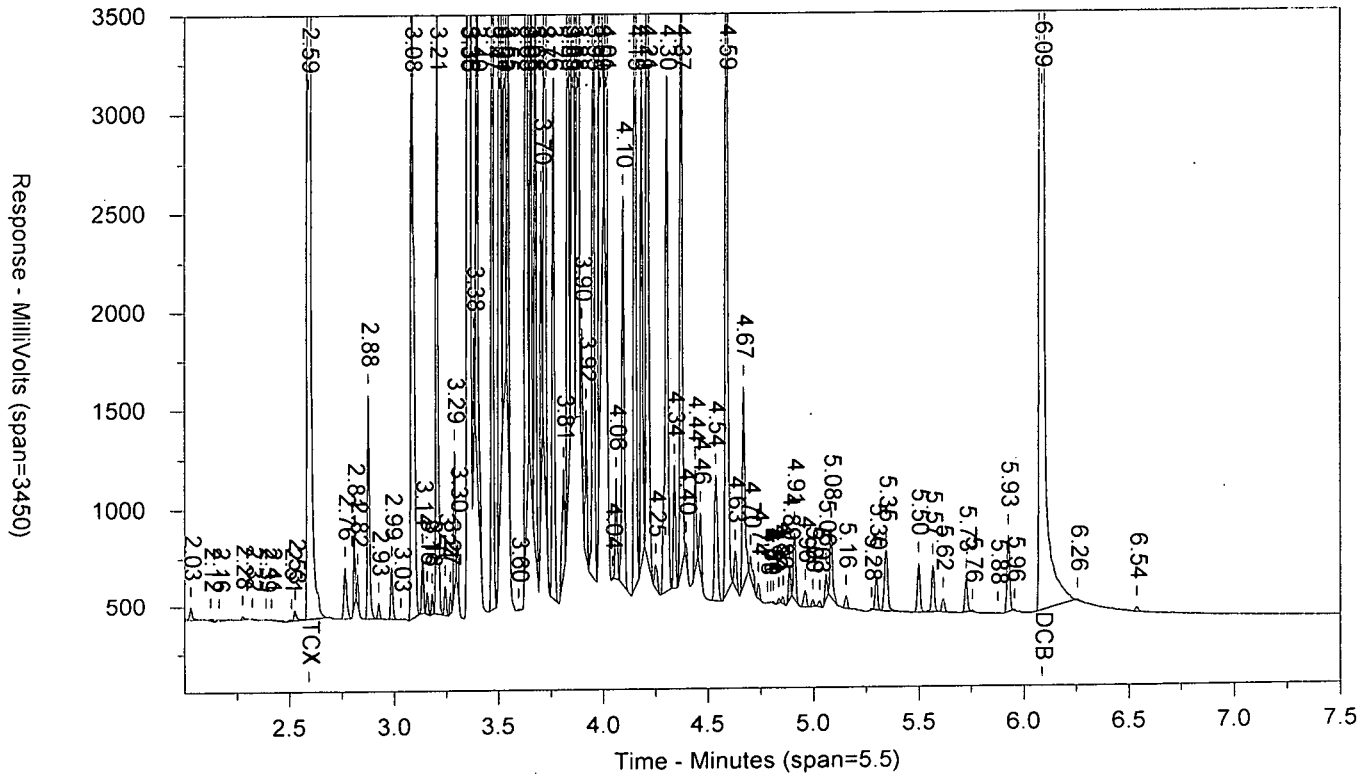

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:17:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	21592850	78.771	TCX	2.592	33319490	80.379	TCX
6.605	15141630	75.039	DCB	6.086	27624690	72.974	DCB

Files:
Area File: 07PCBS17284001.0018.RAW
Area File: 07PCBS17284001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:25:52 PM
File Reported On: 10/11/2017 at 10:25:59 PM

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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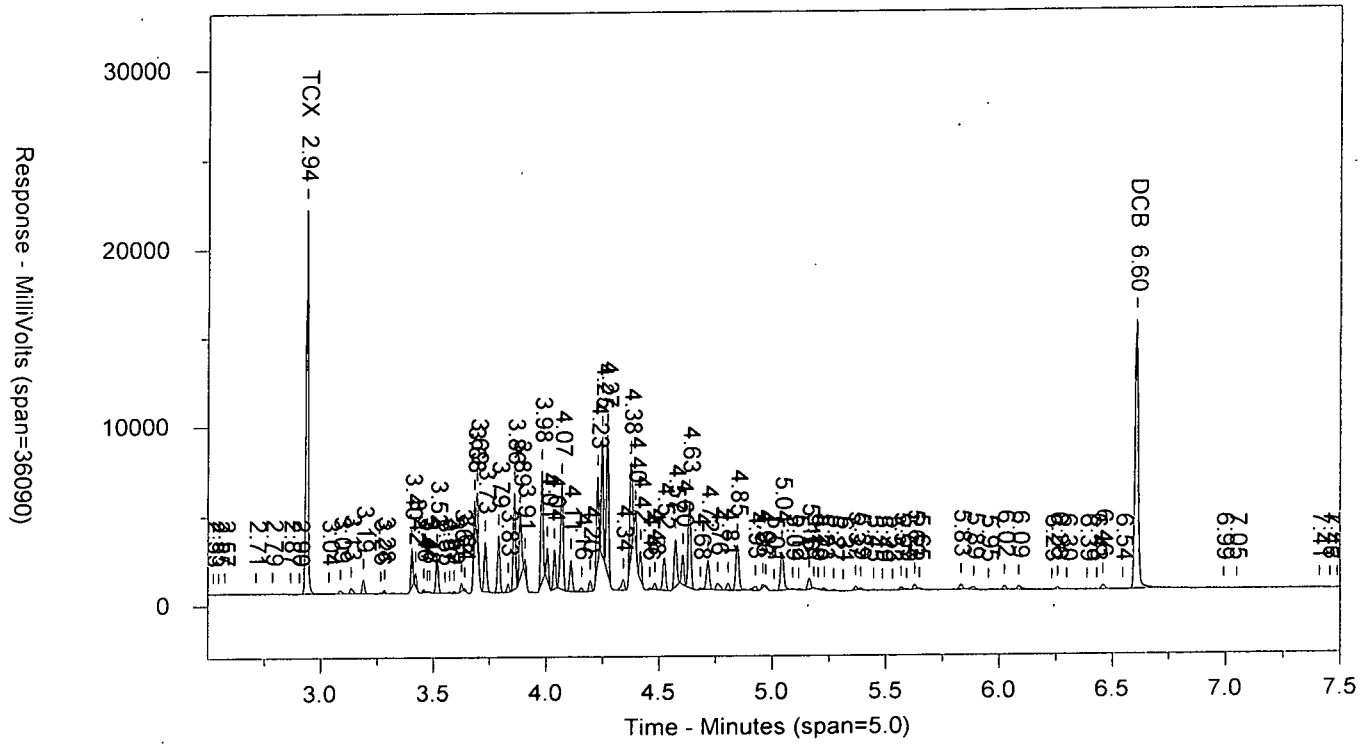

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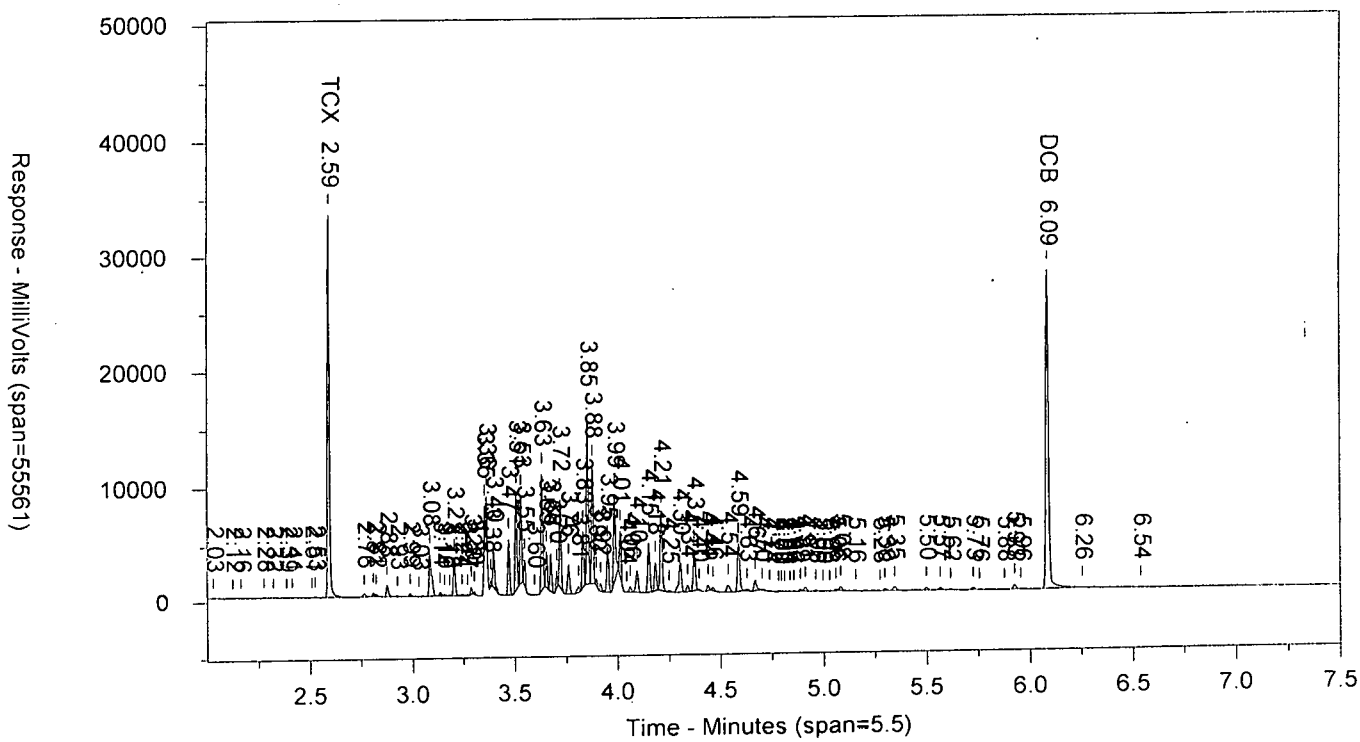

AR4861724B AAAR486AA ICAL 1728399999 10736 SW-846 8082

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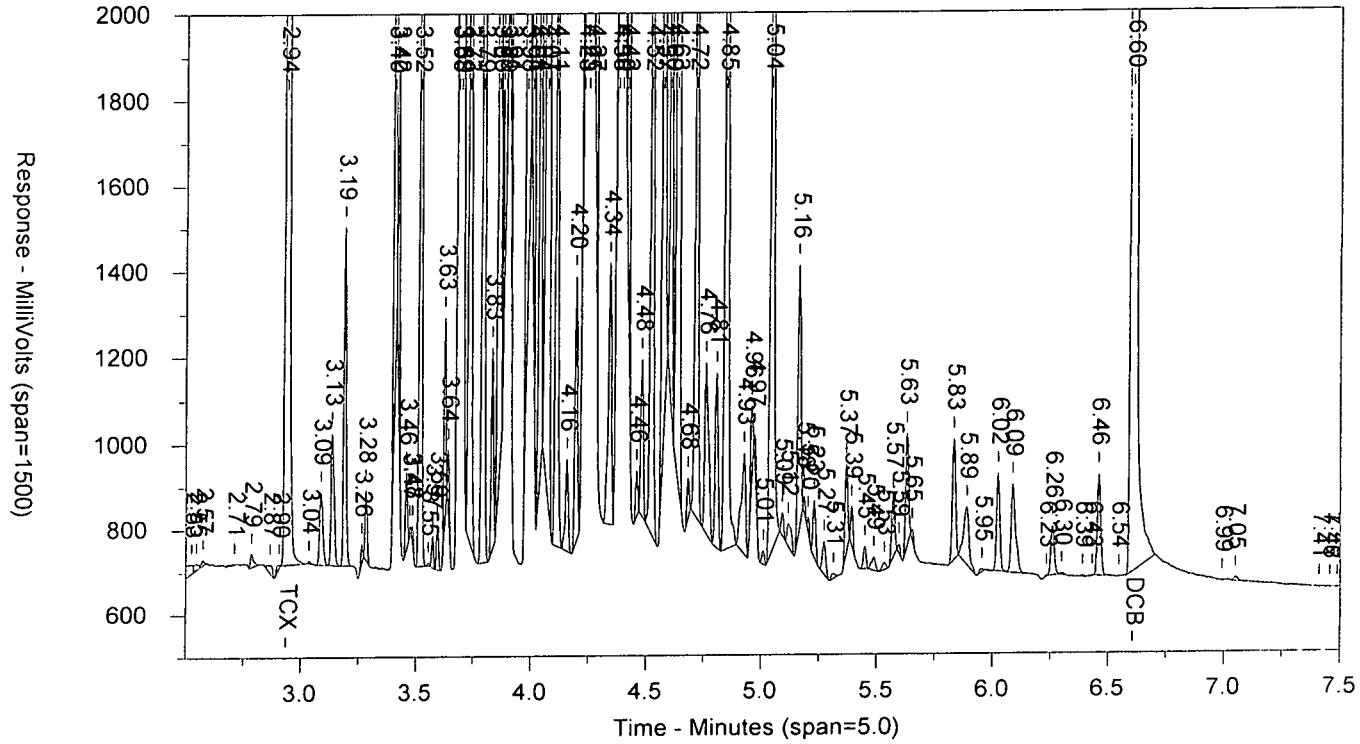

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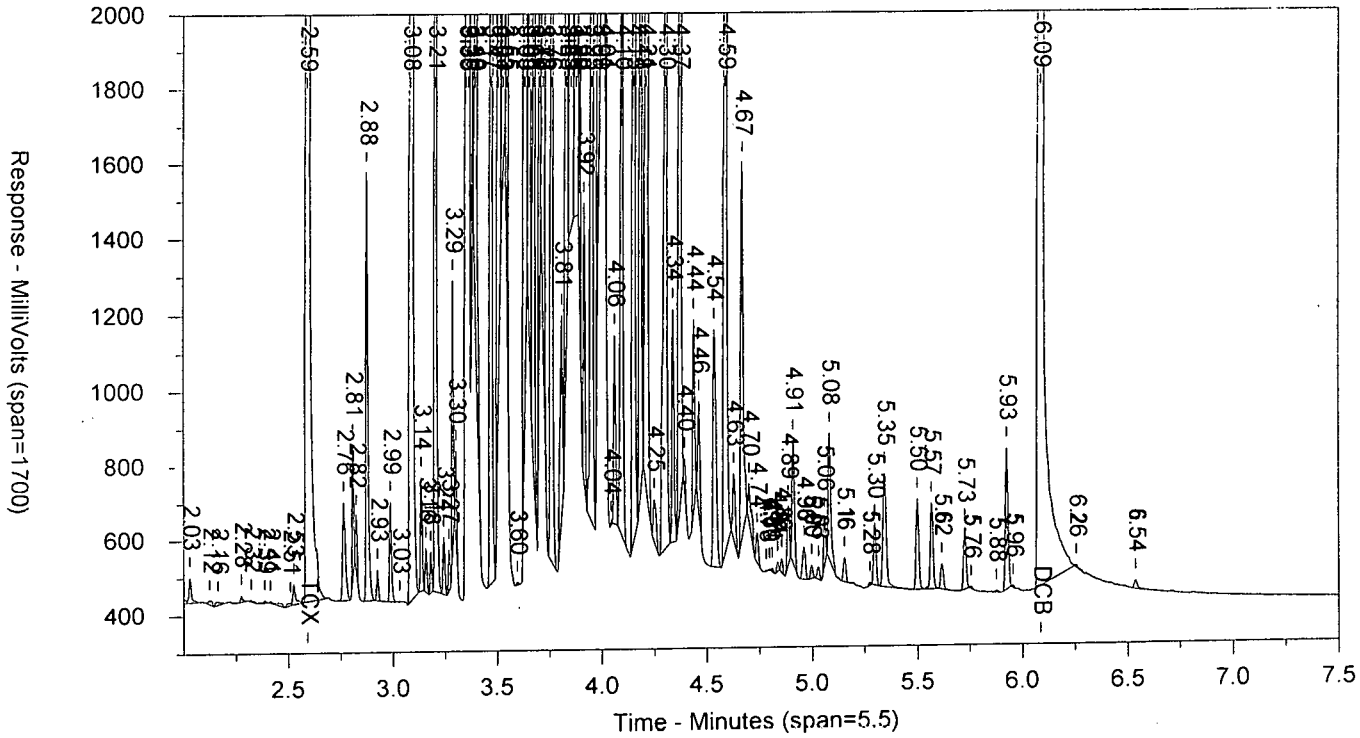

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.544		15800	20912
1.581		21722	19605
1.616		2736	17735
1.735		2024	1564
1.972		1931	1214
2.062		13144	38215
2.09		5082	4113
2.171		2634	3354
2.333		30128	20197
2.515		4915	19591
2.69		2280	2102
2.754		4296	7110
2.786		30551	22450
2.861		5232	3874
2.937	TCX	588677	462956
3.134		9813	7343
3.266		5488	5731
3.403		5334	2978
3.516		5497	3257
3.601		7019	6628
3.627		3022	1390
3.682		6928	6519
3.731		10286	9353
3.777		1931	561
3.791		6517	3599
3.859		160528	113263
3.885		46401	39501
3.928		5639	5840
3.946		1627	428
3.982		100724	73420
4.006		5148	3048
4.037		9964	7460
4.071		43374	35802
4.112		8269	5490
4.174		8518	6304
4.195		6826	4603
4.23		237698	165381
4.249		98635	55894
4.274		83553	70203
4.342		79592	64069
4.384		374228	406470
4.418		152170	123265
4.458		5949	4210
4.482		25424	18874
4.523		143633	124430
4.572		254425	208968
4.604		69566	47244
4.634		481067	430116
4.682		28789	20468
4.698		8152	3205
4.717		64832	47828
4.759		156528	158551
4.805		26623	23388

RT A	Compound A	Height A	Area A
4.846		267649	255362
4.905		39528	52713
4.958		167642	254662
5.005		3808	2705
5.045		164967	176036
5.09		21037	16243
5.114		8677	5261
5.162		268166	243158
5.183		9767	5939
5.229		13545	10230
5.273		18174	20063
5.343		2044	9899
5.368		80902	66580
5.39		21030	13825
5.429		1796	1459
5.447		11046	8379
5.488		11853	11923
5.531		1850	1927
5.568		58659	57841
5.594		8984	5332
5.628		53697	49967
5.729		2606	1033
5.833		55980	54699
5.861		7905	7776
5.961		3603	7024
5.974		2025	641
6.022		6502	5158
6.084		4028	3702
6.258		6896	17822
6.411		1007	628
6.455		5325	5127
6.483		1233	311
6.499		1984	953
6.55		1570	723
6.605	DCB	464784	482847
6.745		1373	501
6.806		1414	584
6.892		1247	356
6.961		1967	789
7.07		1343	519
7.085		1788	538
7.278		1518	346
7.432		2022	682
7.539		1251	450
7.587		1344	320
7.627		1202	913
7.665		1206	690
7.728		1471	937
7.797		1406	855
7.847		1264	385
7.91		1144	406
7.974		1396	746
8.049		1161	395
8.16		1203	769
8.264		1752	414
8.46		1755	954
8.574		4205	8060

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.559		2516	1490
1.724		3903	1966
1.752		6141	15124
1.832		6029	22315
1.899		50516	33862
1.969		8264	15556
2.028		3592	4866
2.134		8070	5531
2.16		5851	10851
2.295		2718	2629
2.386		4325	7077
2.509		7215	13943
2.525		53059	47899
2.591	TCX	883339	564569
2.809		17440	18520
2.876		4254	2896
2.926		2558	1530
3.084		15554	23816
3.164		3446	2245
3.206		7173	4616
3.245		3368	2134
3.269		4331	1874
3.29		1848	684
3.305		12444	10241
3.353		20125	24322
3.384		3538	1661
3.398		8991	6282
3.431		2973	1932
3.471		9141	6403
3.506		246311	150181
3.529		75862	41584
3.613		978	4530
3.632		152652	94551
3.655		9747	5160
3.675		13217	8695
3.704		5261	2063
3.72		54359	33542
3.761		13223	9176
3.802		10632	8280
3.832		42653	23474
3.854		530719	352945
3.878		53453	28877
3.897		56300	31084
3.917		111950	70609
3.952		476224	330901
3.984		175884	104197
4		103386	53825
4.061		38077	36154
4.095		169223	126482
4.152		362686	273586
4.185		103439	79837
4.212		636108	480665
4.25		50622	46476
4.303		328807	269297

4.34		45863	34262
4.373		350506	260340
4.396		55863	38489
4.44		262878	203104
4.537		228277	240900
4.59		247372	213616
4.63		77217	66362
4.668		453698	458911
4.714		30893	19635
4.739		16848	11518
4.796		4767	5118
4.838		1643	879
4.856		21034	15668
4.888		25233	17020
4.911		146314	120032
4.963		21533	16831
4.997		15832	12999
5.028		9968	7340
5.06		65634	46598
5.083		55814	49801
5.193		6170	10147
5.298		2422	1873
5.341		64788	71712
5.499		7154	6903
5.544		2920	1997
5.568		4574	3992
5.618		2815	2232
5.725		4498	5231
5.926		8666	8708
6.085	DCB	870466	821834
6.57		1974	1924
7.97		1631	3313
8.163		10345	17390

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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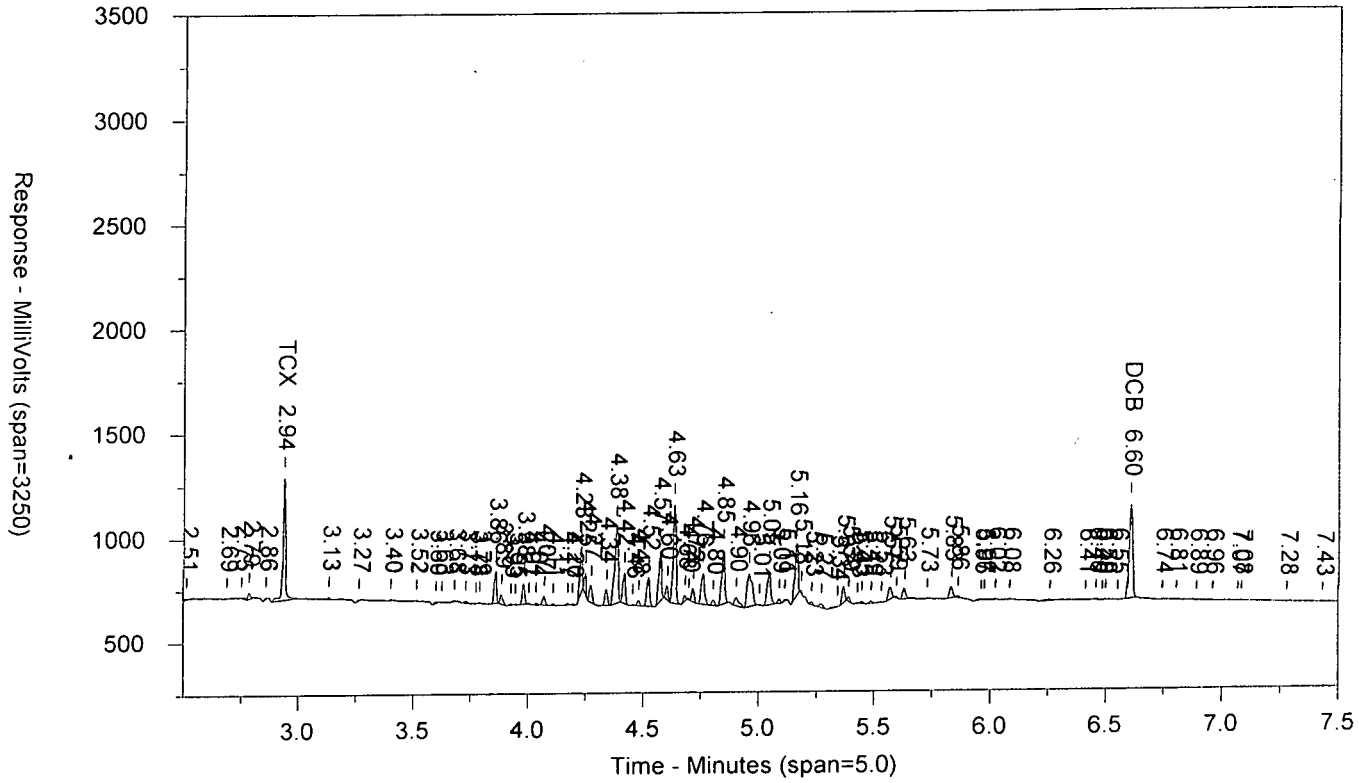

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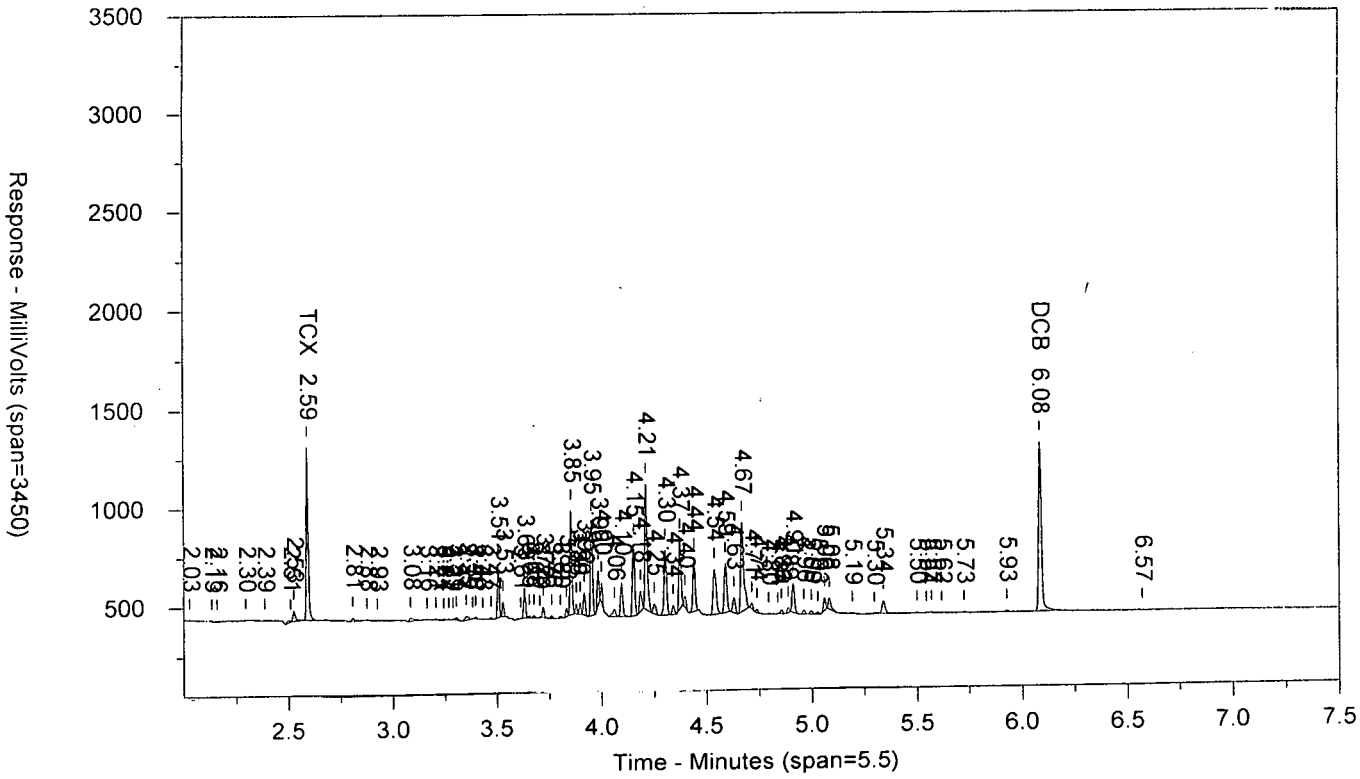

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:28:43 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	588677	2.148	TCX	2.591	883339	2.131	TCX
6.605	464784	2.303	DCB	6.085	870466	2.299	DCB

Files:
Area File: 07PCBS17284001.0019.RAW
Area File: 07PCBS17284001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:37:22 PM
File Reported On: 10/11/2017 at 10:37:35 PM

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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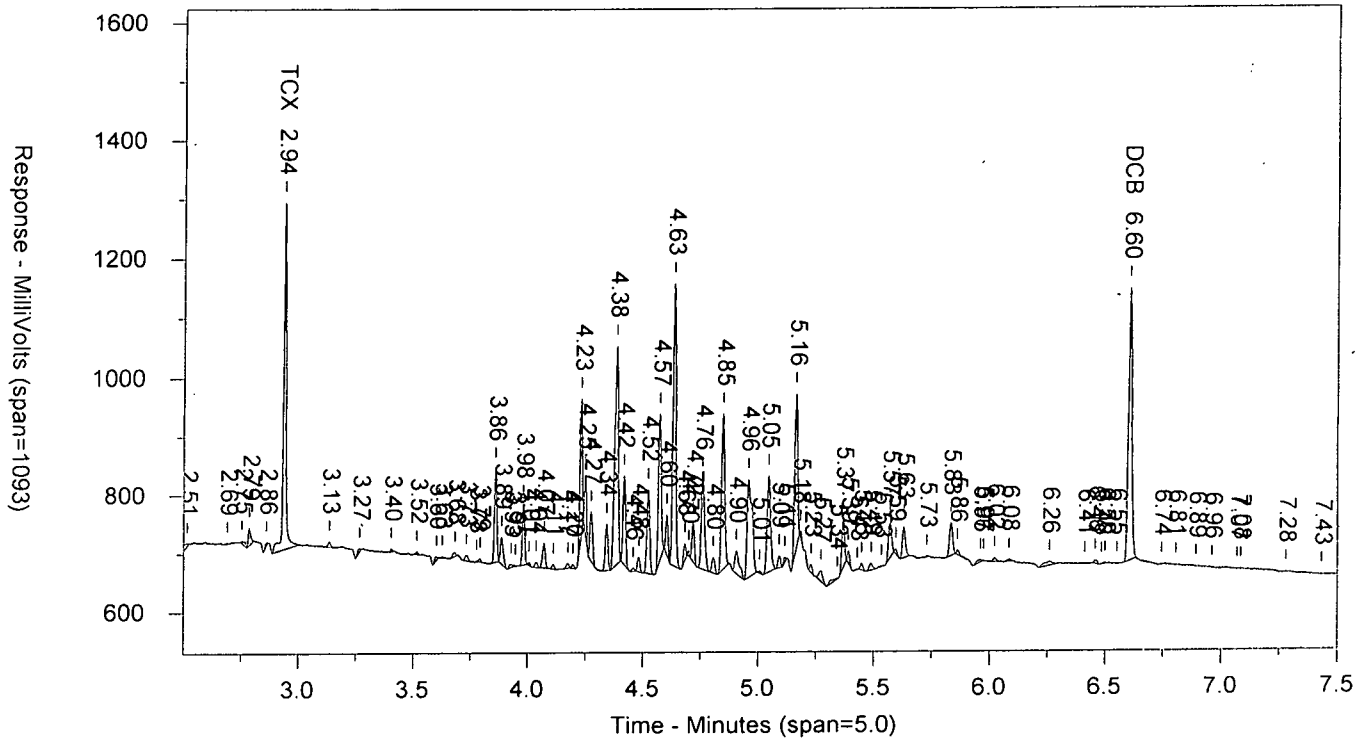

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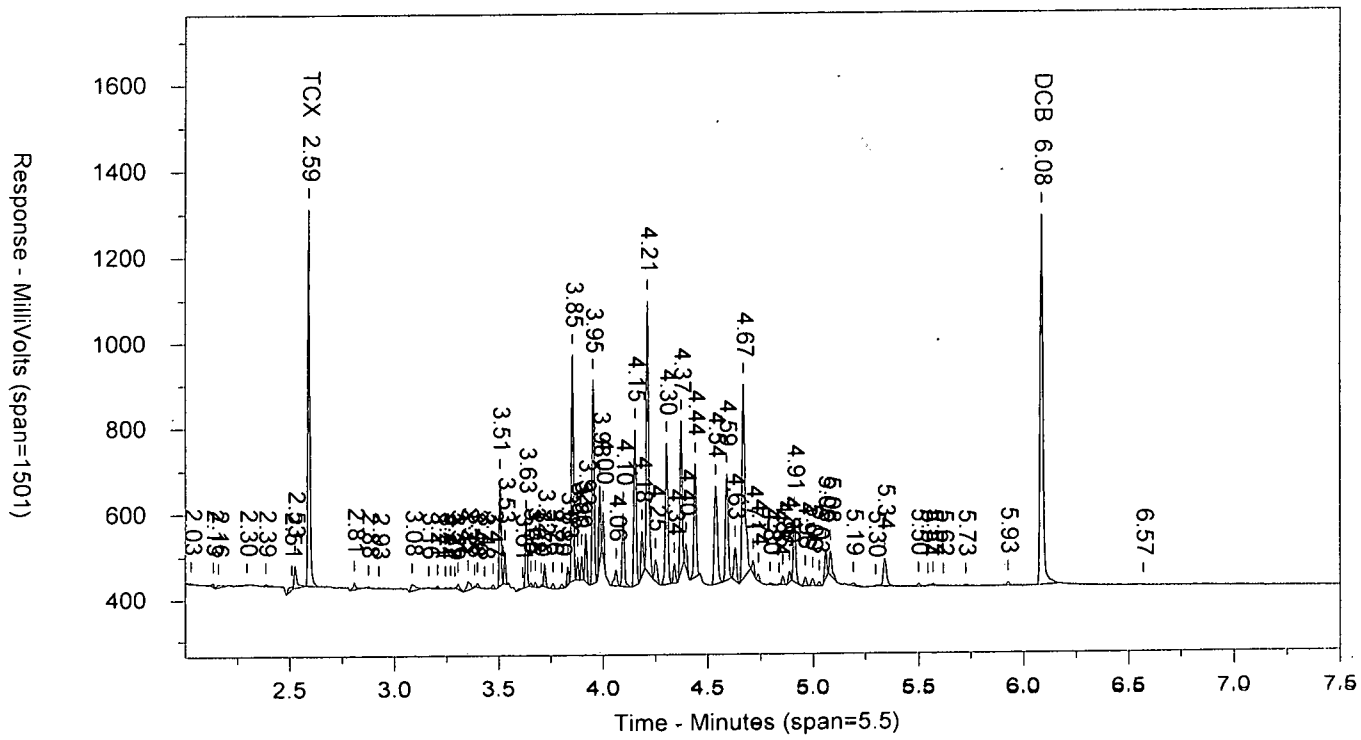

AR5411724C AAAR541AA ICAL 1728399999 10736 SW-846 8082

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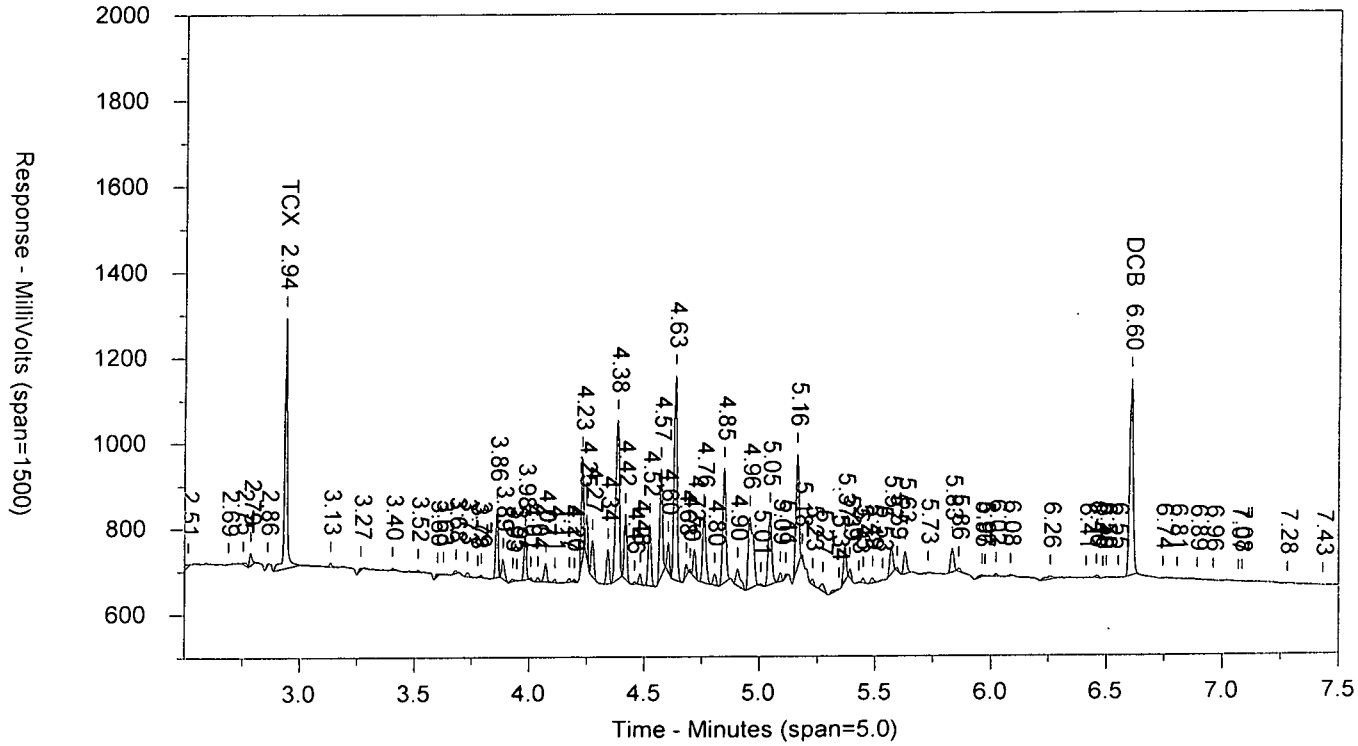

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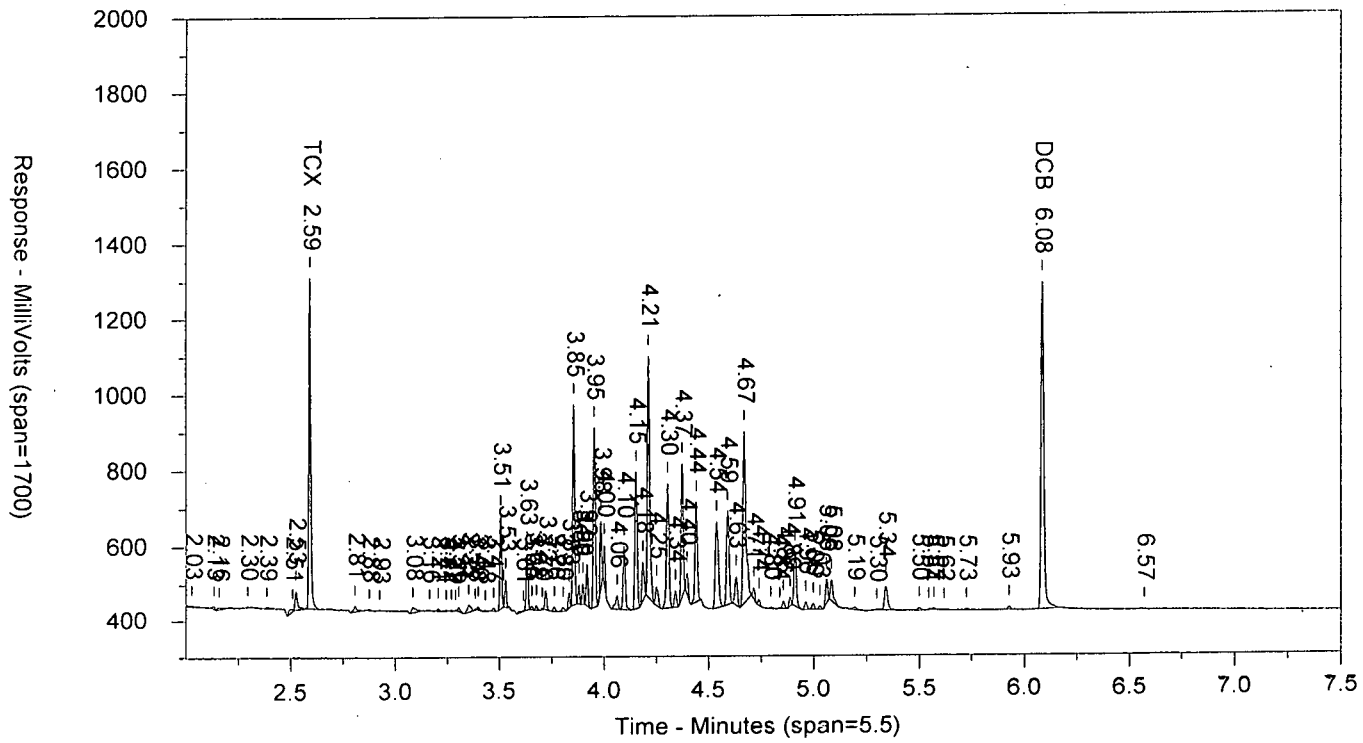

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 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: 07PCBS17284001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.576		25512	25909
1.637		6458	44706
1.735		2541	1068
1.979		1781	2094
2.057		17639	40385
2.092		10694	14524
2.169		3002	3463
2.232		5287	4163
2.311		1836	874
2.333		33379	23862
2.496		7318	6664
2.593		3772	2339
2.687		2560	2407
2.786		40509	36912
2.866		12375	18302
2.902		4477	5323
2.937	TCX	1101273	752035
3.134		16826	12114
3.187		5676	5129
3.265		6892	6305
3.404		8847	5270
3.517		8220	5571
3.572		9555	7302
3.596		6788	3466
3.683		7814	4856
3.695		6215	4416
3.731		16083	13111
3.789		11262	10520
3.831		1943	520
3.858		292075	214719
3.885		82027	65754
3.926		2014	1162
3.94		816	121
3.981		186967	139542
4.006		11218	5983
4.036		17137	12058
4.07		85265	68359
4.11		14561	11279
4.142		3139	1471
4.173		9892	6579
4.194		13040	7841
4.23		431573	311154
4.248		195750	107866
4.274		146462	124069
4.341		150078	121326
4.384		689342	753819
4.418		288526	234099
4.458		10783	6512
4.48		50602	39262
4.522		265968	235024
4.572		459900	398230
4.603		114391	78772
4.633		900126	804289

RT A	Compound A	Height A	Area A
4.683		50847	35061
4.698		18700	7595
4.717		121361	90110
4.759		292001	298772
4.805		55395	48453
4.846		519147	534260
4.905		68364	82509
4.957		163843	128250
4.97		41641	27464
5.003		4642	3358
5.044		310877	339561
5.091		44087	32387
5.115		13790	10133
5.162		515627	465027
5.183		26159	14042
5.201		19378	11507
5.228		23914	18244
5.27		28985	31585
5.325		2143	3588
5.368		152423	129686
5.391		37452	27125
5.422		1950	796
5.446		23513	19189
5.487		22446	22591
5.528		3708	3058
5.568		117085	114437
5.592		13008	9032
5.627		108727	103514
5.767		1556	398
5.833		107932	100402
5.862		13548	11119
5.953		4677	7369
6.023		11611	10682
6.086		11711	19083
6.259		7393	12759
6.326		1895	457
6.359		1833	379
6.457		11509	11676
6.603	DCB	833921	889485
6.753		1812	725
6.785		1951	678
6.868		1909	989
6.92		1242	308
7.008		1695	1044
7.219		2746	849
7.512		1518	457
7.575		1390	870
7.648		1593	1070
7.676		1522	1054
7.715		1710	1502
7.723		1435	410
7.76		1490	595
7.826		1838	458
7.86		1612	487
7.93		1479	618
8		1326	858
8.018		1627	808
8.095		1399	530
8.196		1238	314
8.295		1661	501

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 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: 07PCBS17284001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.697		5153	11893
1.723		5266	3010
1.753		8721	18331
1.817		4393	8224
1.841		3516	2840
1.899		57826	38032
1.97		10329	21844
2.029		6301	8449
2.134		9403	8155
2.157		4680	4497
2.296		3043	2213
2.323		3155	4178
2.388		3481	3528
2.414		2978	1720
2.508		7233	9842
2.525		64553	54181
2.591	TCX	1671505	1081878
2.778		4860	2139
2.809		28561	23864
2.876		8582	9543
2.925		5017	2656
2.967		2100	1041
3.084		22269	30546
3.163		5568	4100
3.206		11265	7874
3.244		4896	3114
3.27		8438	4502
3.289		3205	1378
3.305		9416	7951
3.353		30514	35063
3.384		7663	3448
3.398		13260	8625
3.431		3759	2355
3.472		16597	11709
3.506		464464	281795
3.529		137201	78122
3.547		13976	5994
3.632		277986	178767
3.654		19473	9725
3.675		22461	12895
3.704		7847	4164
3.721		104107	64165
3.761		24347	16466
3.802		24445	18791
3.832		84510	48430
3.854		994835	659309
3.878		99383	54016
3.897		107218	58095
3.917		195648	122882
3.952		886733	622014
3.983		335143	200804
4		202782	104176
4.061		70524	59510
4.095		321644	244295

4.152		681801	520723
4.184		193507	149226
4.212		1178173	913326
4.25		92541	88698
4.303		594887	503587
4.34		87423	66522
4.372		679533	503644
4.396		114904	73145
4.44		495882	376880
4.463		18137	9263
4.536		417524	449650
4.59		495776	418025
4.63		146620	123427
4.669		862839	864188
4.714		60562	37333
4.738		31838	21205
4.796		9667	10391
4.856		44205	38744
4.889		45187	30477
4.911		285759	225022
4.962		38618	31256
4.997		30093	25148
5.028		18085	14078
5.061		119317	90162
5.083		100311	90253
5.151		3671	2667
5.192		4178	4216
5.297		4535	3590
5.341		123624	134342
5.5		13009	12317
5.548		5155	3905
5.568		9289	6849
5.616		4553	4219
5.726		7751	6560
5.927		17063	16005
6.085	DCB	1543417	1474398
8.079		2077	2170
8.164		9974	18899

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

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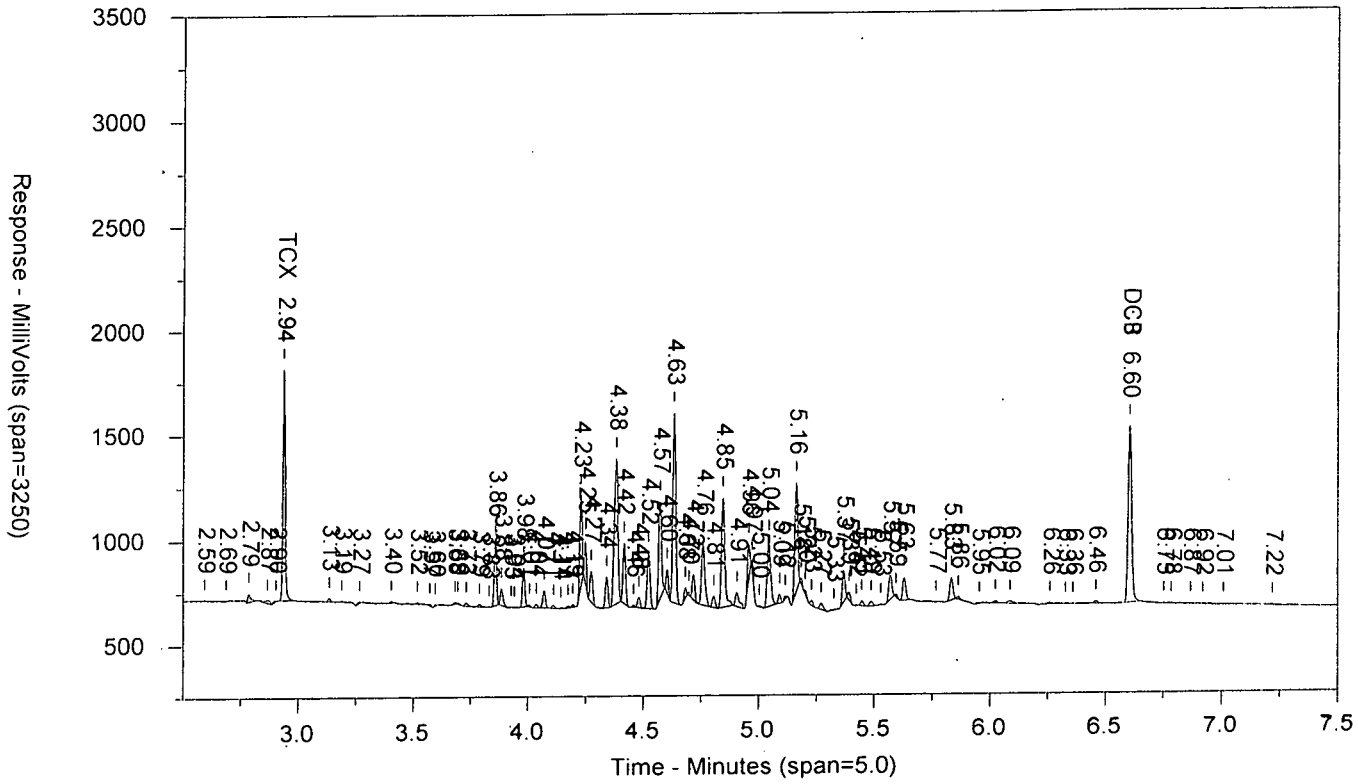

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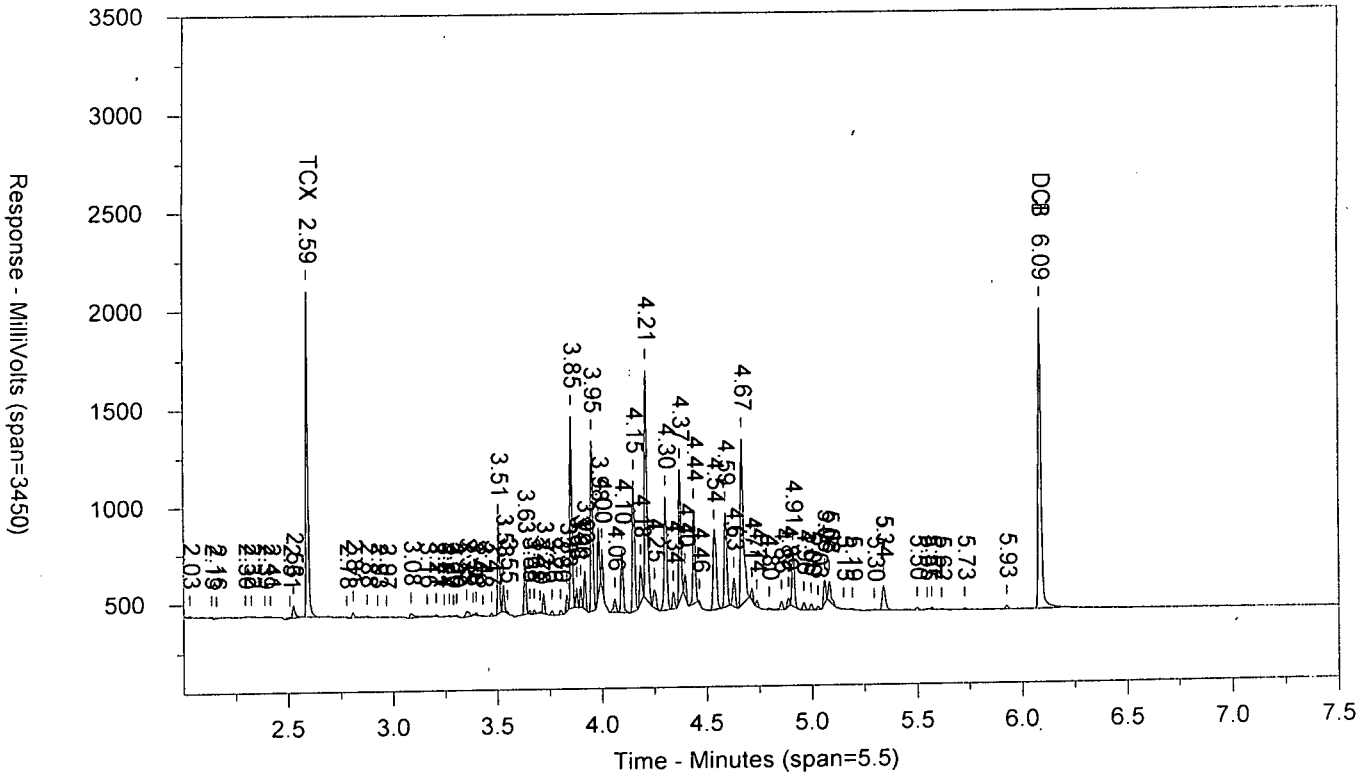

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:40:11 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	1101273	4.017	TCX	2.591	1671505	4.032	TCX
6.603	833921	4.133	DCB	6.085	1543417	4.077	DCB

Files:
Area File: 07PCBS17284001.0020.RAW
Area File: 07PCBS17284001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 10:48:53 PM
File Reported On: 10/11/2017 at 10:49:09 PM

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

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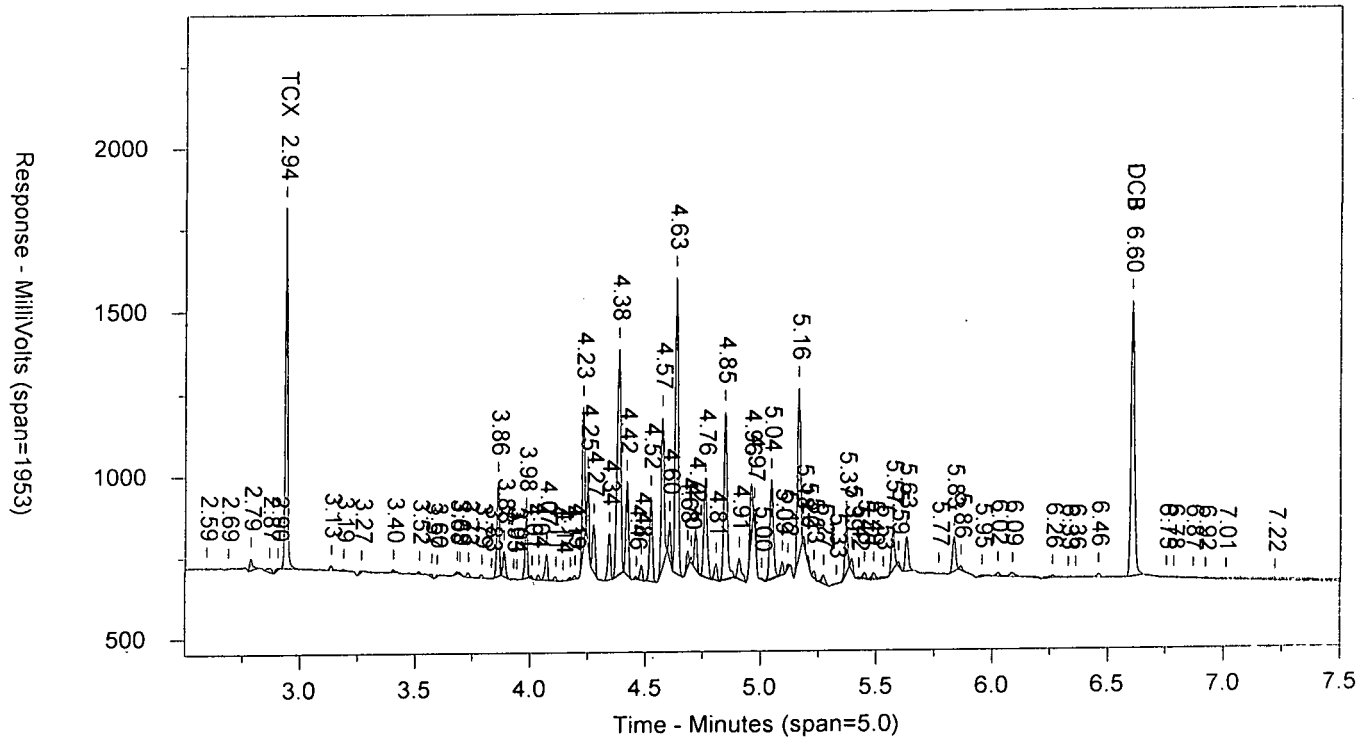

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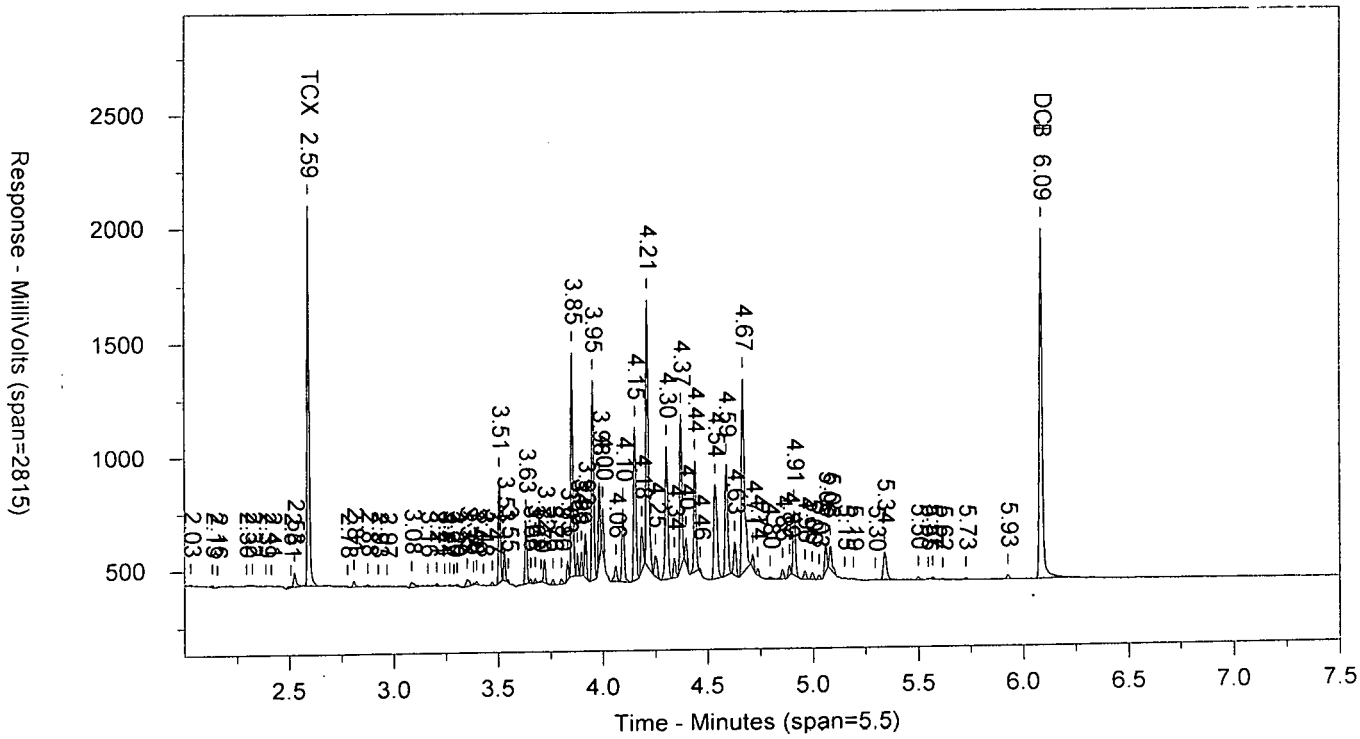

AR5421724C AAAR542AA ICAL 1728399999 10736 SW-846 8082

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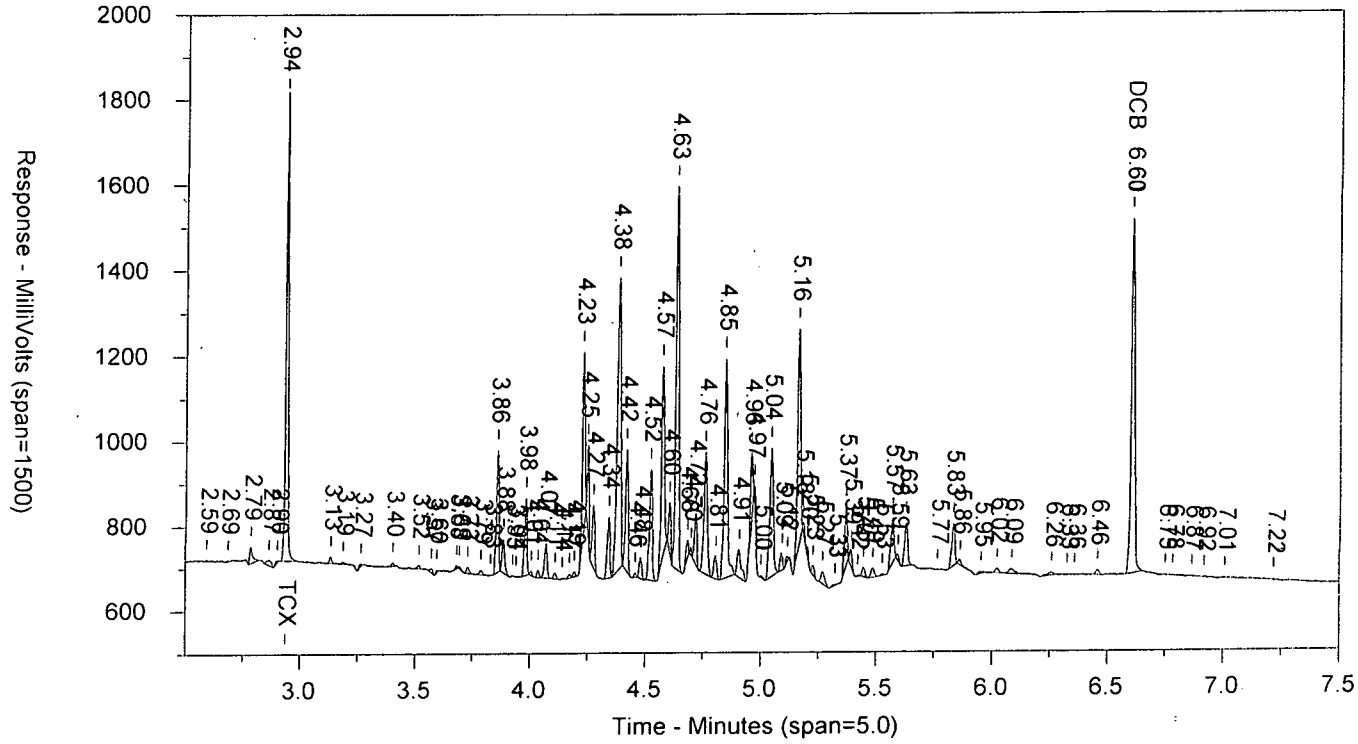

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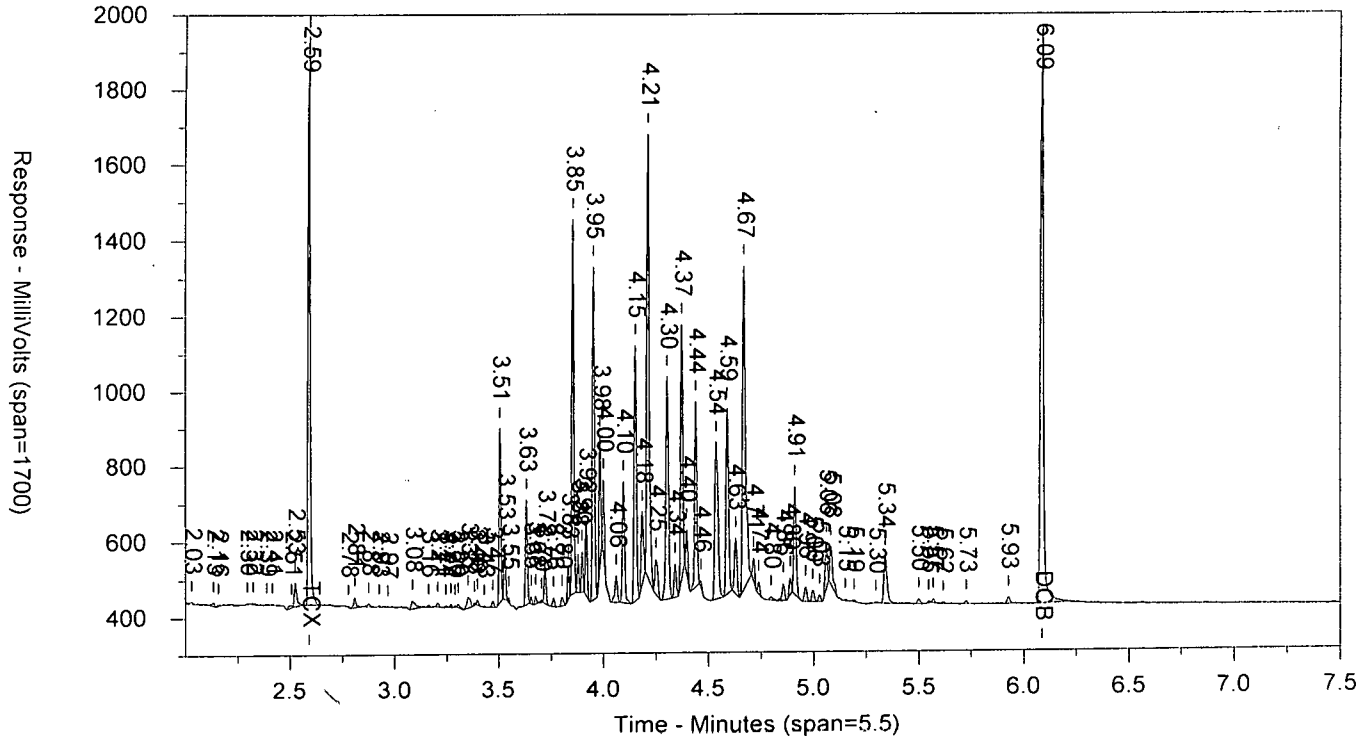

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 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: 07PCBS17284001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.54		12654	23139
1.576		25546	25382
1.611		7667	18786
1.724		1437	422
1.909		2632	1513
1.991		2088	901
2.053		18950	33356
2.091		4612	4389
2.175		2418	4061
2.234		11657	6993
2.333		32895	21854
2.494		12974	12656
2.785		13924	8570
2.869		17788	26233
2.899		9548	8163
2.937	TCX	2139404	1487167
3.083		2199	705
3.134		33891	22821
3.188		8731	6047
3.265		11835	10406
3.404		15052	9103
3.517		15513	11604
3.572		14577	8854
3.596		10038	7167
3.683		18221	11567
3.695		10614	8104
3.732		23712	19476
3.773		1591	345
3.79		18430	14076
3.829		3476	1888
3.859		543183	386770
3.885		150595	119306
3.925		2364	1438
3.94		2124	495
3.981		341792	253177
4.006		21244	12899
4.037		31724	22858
4.071		150426	124820
4.11		29360	21758
4.145		3808	1992
4.172		7092	4278
4.194		29155	20364
4.23		772473	546299
4.248		312780	182032
4.274		267898	217177
4.341		269474	222849
4.384		1261422	1363480
4.418		523066	423827
4.458		21738	13764
4.481		93656	72593
4.522		468997	428117
4.572		875504	730563
4.604		213581	146084

RT A	Compound A	Height A	Area A
4.633		1639661	1480790
4.682		90033	68140
4.697		26238	10929
4.717		219733	161960
4.758		519898	530712
4.805		108129	93899
4.846		917351	894890
4.875		13053	7117
4.905		100886	81636
4.958		277801	214691
4.969		55766	45822
5.006		12970	9244
5.044		566758	626825
5.09		77154	60148
5.116		31283	22166
5.127		23701	12874
5.162		939989	848539
5.183		60248	29426
5.201		34175	22208
5.228		41822	33162
5.271		52766	57637
5.314		4477	3836
5.368		287658	243654
5.391		76886	51973
5.447		43755	38426
5.487		42838	40396
5.527		7249	6441
5.568		213183	205569
5.591		24296	16542
5.628		207105	219677
5.716		1360	351
5.833		189183	180540
5.861		24732	22448
5.948		2965	2283
6.022		22922	21250
6.086		20883	33722
6.238		2071	2308
6.258		10028	10904
6.296		1380	750
6.457		19405	19160
6.498		2104	1171
6.52		1494	822
6.547		1798	389
6.565		2301	894
6.604	DCB	1646491	1742624
7.09		1883	1098
7.253		1417	684
7.484		2103	390
7.596		1862	1088
7.621		1254	748
7.723		1366	824
7.751		1298	333
7.866		1319	1169
8.021		1292	297
8.29		1726	712
8.366		1123	843
8.481		1812	1144
8.633		1514	908

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 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: 07PCBS17284001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.533		2074	1961
1.699		4881	9622
1.723		4958	2676
1.772		7963	19703
1.795		4349	2872
1.9		63994	48179
1.967		6948	12281
2.03		6456	4915
2.133		7307	5262
2.158		4374	4210
2.183		3338	2408
2.207		3022	4310
2.303		4565	11216
2.386		4025	3430
2.506		7724	12869
2.525		30877	23160
2.591	TCX	3417415	2182700
2.809		54140	40125
2.876		14641	11569
2.926		10077	7261
3.085		33466	39950
3.136		2814	1352
3.162		7095	6390
3.206		23051	16614
3.244		8657	6241
3.269		16384	8623
3.29		4163	2066
3.305		19808	13609
3.354		50067	53828
3.383		14071	6477
3.398		22141	14380
3.472		29785	19613
3.506		842660	508887
3.529		251447	139440
3.547		26376	11472
3.632		516722	326570
3.655		37493	19013
3.676		49005	33007
3.704		10838	5070
3.72		190158	122689
3.762		46354	31085
3.801		37948	29753
3.832		157361	88314
3.854		1850025	1207977
3.879		185321	100491
3.897		194016	106618
3.917		350364	220553
3.952		1659248	1140340
3.984		620003	364932
4		354791	188177
4.061		132603	103028
4.096		583254	447356
4.152		1326253	971933
4.185		375704	282600

4.212		2283454	1718099
4.25		174625	163902
4.303		1100649	928627
4.34		165766	121863
4.373		1237698	942898
4.396		213016	134324
4.44		902442	693943
4.463		37417	19462
4.537		743549	830612
4.59		938587	803993
4.63		269636	228135
4.669		1644750	1602454
4.714		109992	69810
4.739		57755	38505
4.797		19243	19807
4.856		82026	73122
4.888		81784	55309
4.912		499405	411648
4.962		70165	56340
4.997		58259	46853
5.029		34342	26483
5.06		221615	167244
5.083		191693	170191
5.151		5816	5432
5.299		9444	7418
5.341		223708	259148
5.5		22948	20801
5.548		7876	5758
5.569		17176	12529
5.618		9170	8505
5.727		12642	11683
5.889		1267	1935
5.926		35554	32800
6.085	DCB	2974489	2936328
6.539		2720	5583
8.078		1838	3378
8.161		10640	22308

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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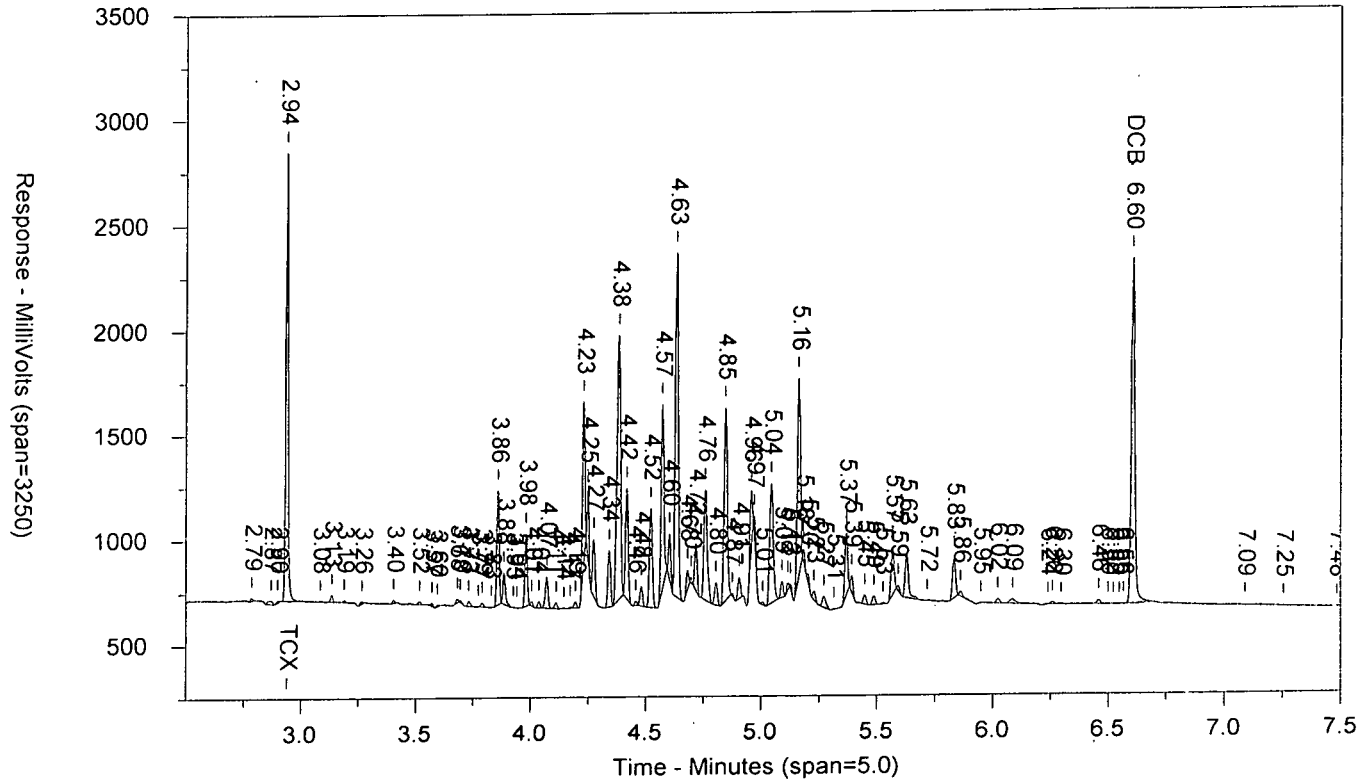

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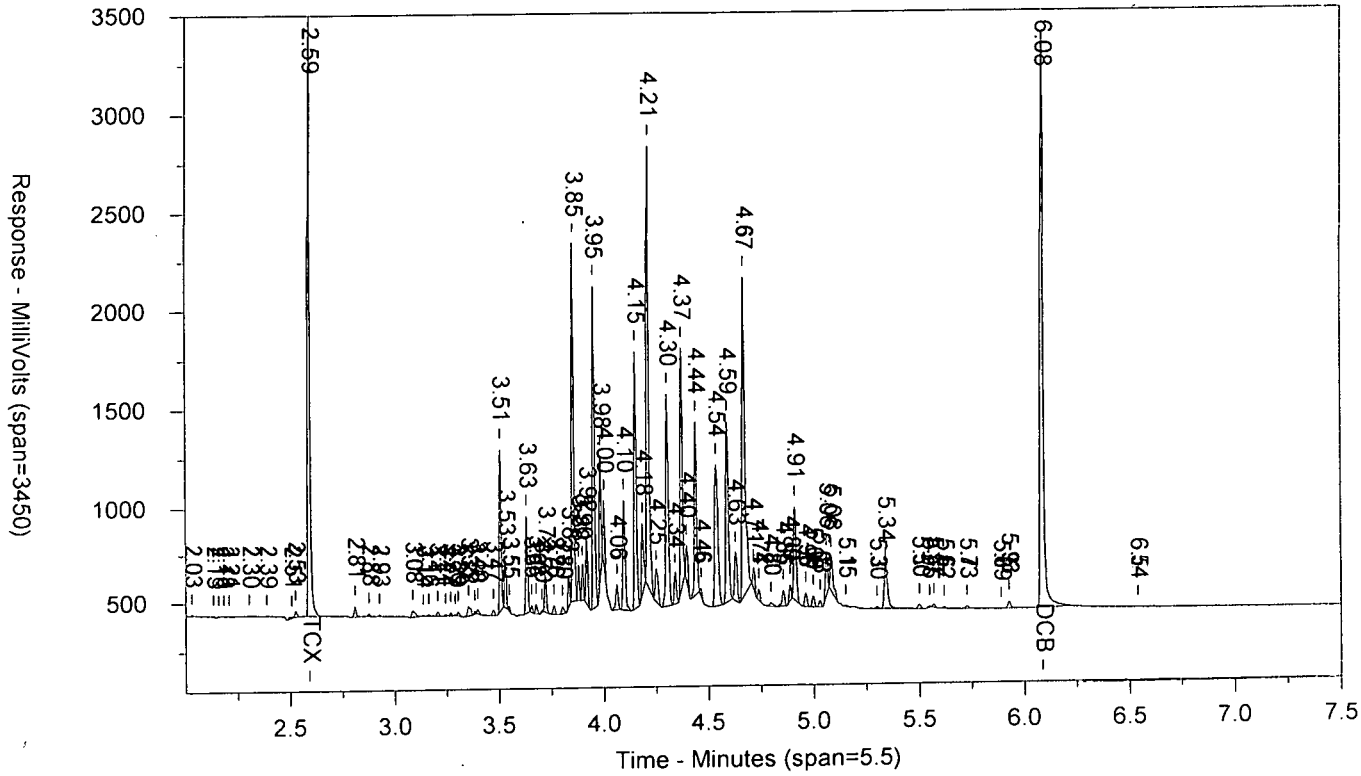

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 10:51:38 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	2139404	7.805	TCX	2.591	3417415	8.244	TCX
6.604	1646491	8.16	DCB	6.085	2974489	7.857	DCB

Files:
Area File: 07PCBS17284001.0021.RAW
Area File: 07PCBS17284001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:00:20 PM
File Reported On: 10/11/2017 at 11:00:29 PM

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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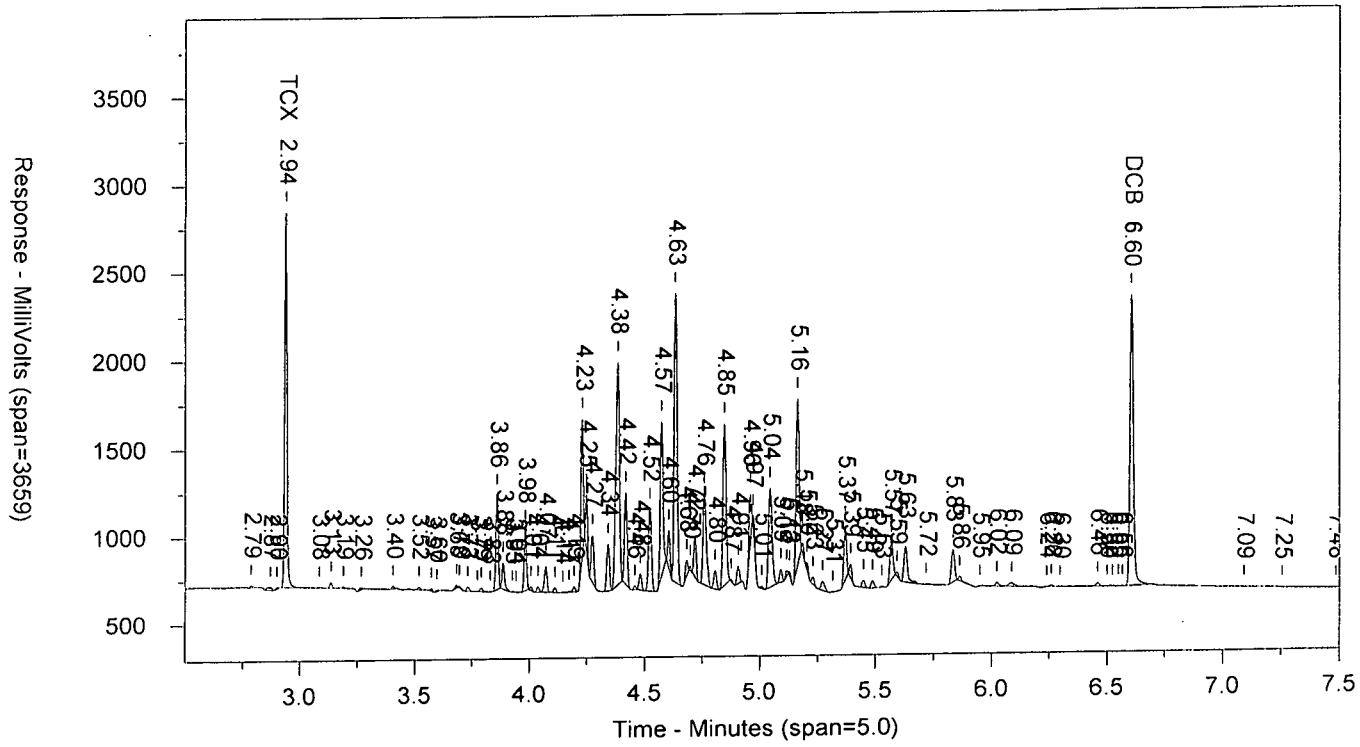

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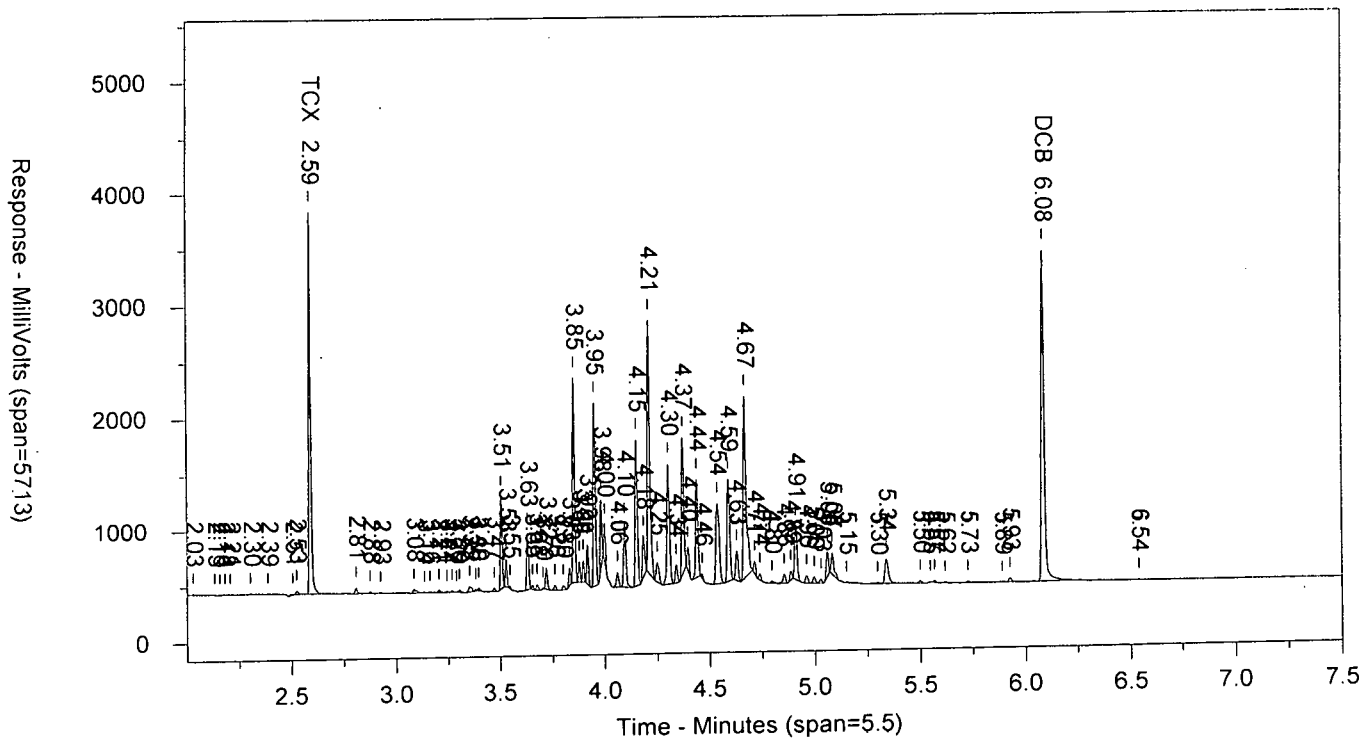

AR5431724C AAAR543AA ICAL 1728399999 10736 SW-846 8082

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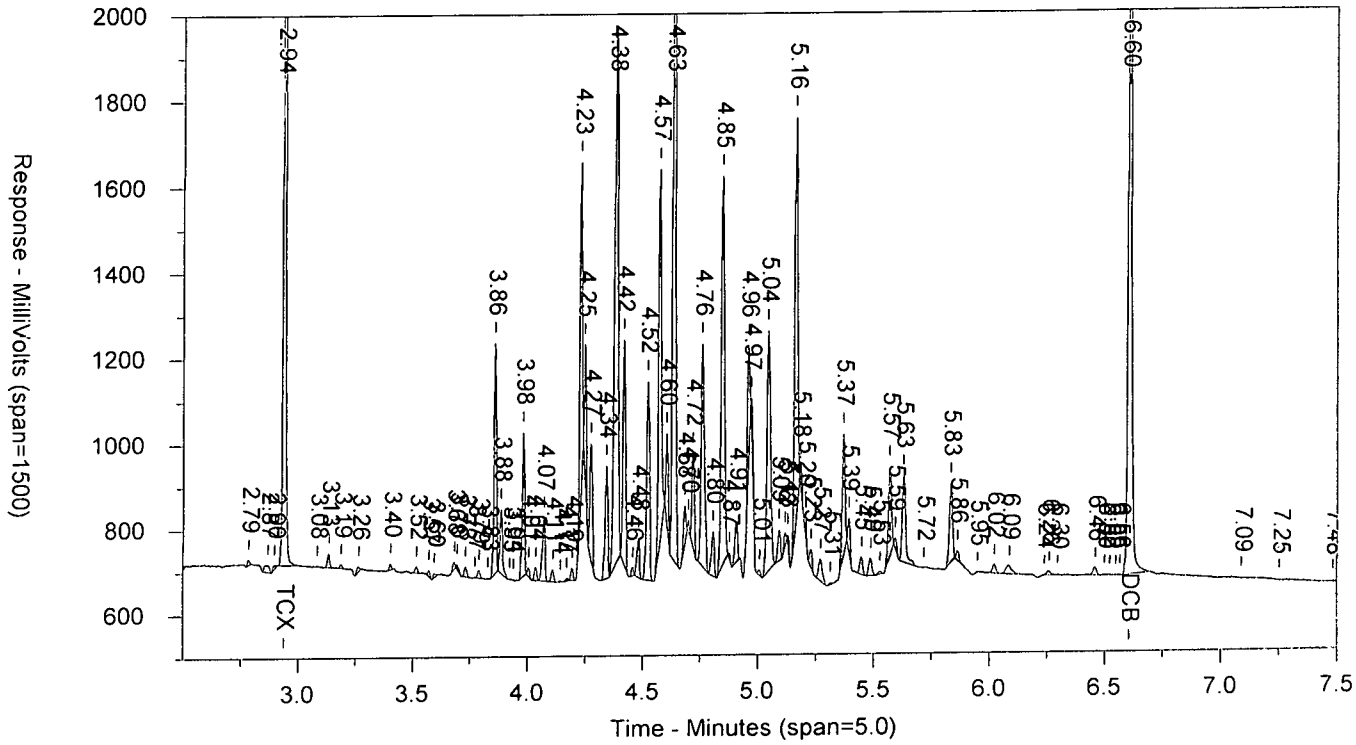

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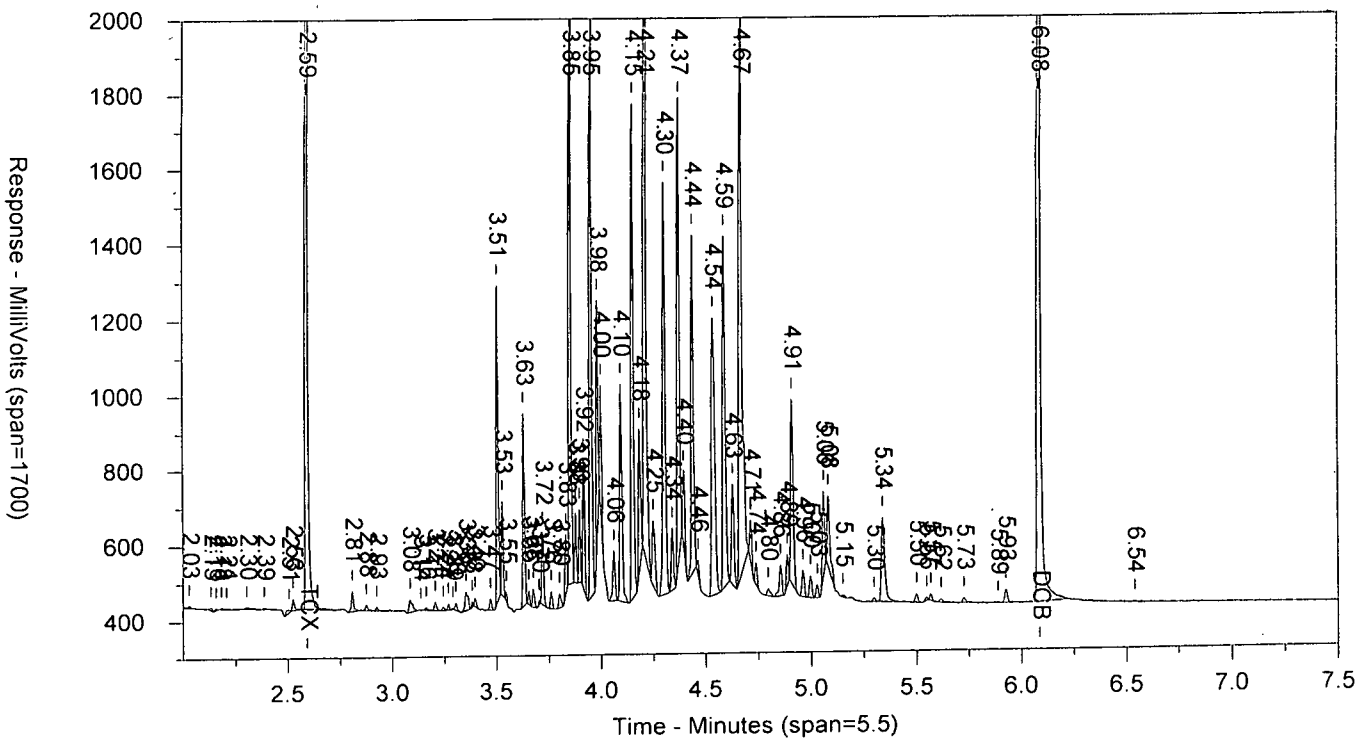

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 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: 07PCBS17284001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.577		21428	20047
1.614		5567	18784
1.73		4114	2622
1.878		2263	1622
1.918		2595	1472
1.989		1940	1012
2.06		13837	33516
2.089		13741	16283
2.234		28009	19751
2.333		31294	26233
2.429		2942	2011
2.505		12010	19893
2.544		5017	4679
2.592		3164	1553
2.785		61570	57840
2.872		12938	18923
2.899		6064	5666
2.937	TCX	5234636	3549096
3.134		76742	54631
3.189		19465	13593
3.263		20475	15255
3.403		33471	19856
3.419		9569	5294
3.456		2498	1205
3.474		3476	1514
3.517		36932	26727
3.541		2177	1262
3.572		27382	17490
3.594		16550	11633
3.625		8204	4193
3.682		36956	20396
3.694		24229	18709
3.731		53483	42232
3.789		47042	34206
3.83		5930	3454
3.857		1217841	868096
3.883		340540	233411
3.905		16816	6678
3.931		1955	763
3.98		730252	573604
4.004		51462	30722
4.036		76684	53543
4.069		346122	287985
4.109		71230	54853
4.141		8349	5541
4.174		5785	3323
4.193		73666	54676
4.228		1845738	1295314
4.247		787340	453626
4.272		619390	499846
4.341		632446	507487
4.383		2947280	3175063
4.416		1190706	971284

2855 12Oct11

RT A	Compound A	Height A	Area A
4.457		49303	31502
4.479		207539	164827
4.522		1099701	972651
4.571		2089072	1715687
4.603		524917	350211
4.632		4296195	3574212
4.681		225340	153173
4.696		70899	29453
4.716		532071	387776
4.758		1210368	1231181
4.804		249268	218711
4.845		2301962	2131383
4.874		33862	22171
4.904		224433	184202
4.923		27434	18635
4.956		667953	533583
4.969		130143	84913
5.006		31956	23579
5.043		1484775	1509088
5.09		186836	141942
5.114		71121	46772
5.127		67037	37532
5.162		2289337	2023628
5.183		158967	81181
5.201		86940	47407
5.227		96998	75683
5.27		118802	133417
5.317		4011	3552
5.368		656712	568537
5.39		153050	106321
5.446		104454	93905
5.485		102220	94304
5.527		17356	15527
5.566		520461	490380
5.591		61382	41154
5.627		448747	454643
5.661		9254	8124
5.712		2108	859
5.832		434381	414685
5.86		65007	64484
5.953		2126	3687
6.02		55892	57512
6.085		55472	86741
6.258		25014	36678
6.3		1948	1778
6.334		2069	436
6.457		52494	51729
6.492		1769	492
6.603	DCB	3772873	3886820
6.98		2101	389
7.043		1272	757
7.518		1274	696
7.599		2169	2571
7.622		1452	623
7.71		1411	1358
7.751		1645	820
7.904		1313	411
7.947		1678	758
7.981		1609	586
8.003		1986	504
8.054		1440	475
8.106		1541	388
8.379		1695	653
8.411		1894	430
8.55		1506	519

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 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: 07PCBS17284001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.53		4253	4450
1.559		7817	6599
1.609		4160	8180
1.687		4847	11240
1.795		5941	6297
1.818		7745	8629
1.864		4072	3220
1.901		70463	52736
1.968		13133	25443
2.029		19370	19020
2.127		8831	9955
2.162		3057	3684
2.223		4379	2319
2.315		347	1257
2.386		3923	3601
2.415		4336	3553
2.508		9487	11471
2.525		92153	86322
2.591	TCX	8413255	5242966
2.691		4727	3305
2.764		3985	3257
2.809		121362	81163
2.876		33952	25786
2.925		23544	13132
2.951		2995	2345
2.988		5067	3509
3.031		4992	11439
3.084		71719	78172
3.135		4204	1963
3.159		10329	7394
3.205		50843	35361
3.244		15881	10438
3.269		39891	22067
3.288		10976	5129
3.305		14364	9404
3.353		49108	24373
3.362		33695	12433
3.383		34102	15878
3.397		48690	29663
3.471		68160	44478
3.506		1872094	1153001
3.528		548710	307985
3.546		59691	26396
3.631		1232936	750969
3.654		88581	44755
3.675		106745	75570
3.704		20977	9565
3.72		459060	290588
3.76		105924	72126
3.801		87363	70912
3.831		366580	208587
3.853		4362833	2862676
3.878		429118	234346
3.897		434125	240890

3.917		780308	492937
3.952		3984329	2691069
3.983		1464889	852664
3.999		794963	418809
4.06		302420	221803
4.095		1343275	1004957
4.152		3045757	2345083
4.184		899727	659167
4.211		5655306	4174436
4.25		404126	383317
4.303		2666027	2178718
4.339		387584	288963
4.372		3062614	2266047
4.396		495021	321366
4.439		2199736	1635042
4.462		95127	49666
4.536		1869609	1946785
4.589		2456998	2017434
4.629		611108	529651
4.668		3943108	3849734
4.714		278869	176231
4.738		132923	93271
4.796		43091	47398
4.836		13866	7184
4.855		180386	143686
4.887		199312	129571
4.911		1237267	975274
4.961		158079	130906
4.997		133978	108775
5.028		79665	63138
5.06		574611	423495
5.082		454221	403696
5.152		14861	12109
5.273		2972	1764
5.299		24145	18954
5.34		530671	605908
5.499		59977	52666
5.546		21199	15731
5.567		45731	35151
5.615		22469	21817
5.726		32053	28199
5.926		85173	74432
5.955		2853	1706
6.085	DCB	7003153	6541400
6.537		5201	4857
7.032		3764	4233
7.887		1785	2260
8.014		1531	1900
8.067		1688	3085
8.165		10130	19614

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

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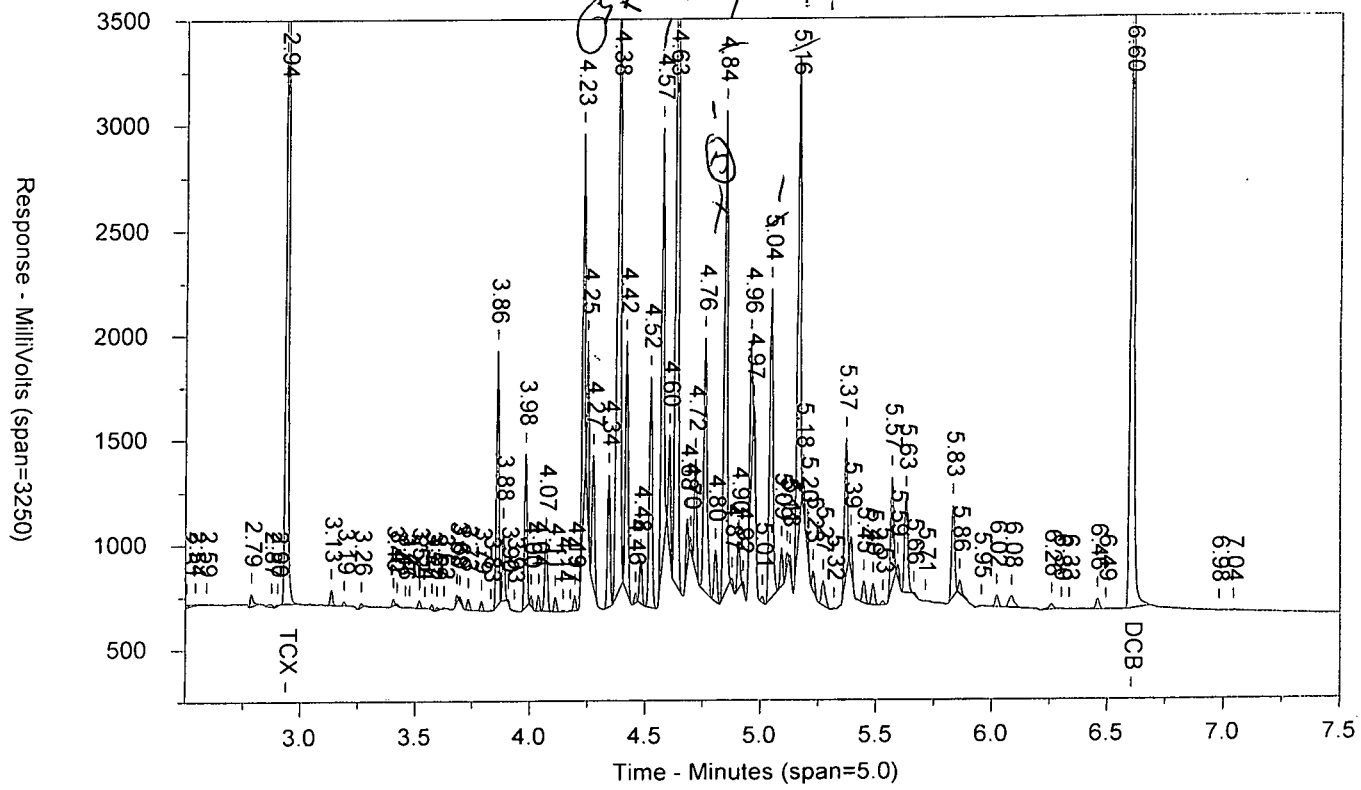

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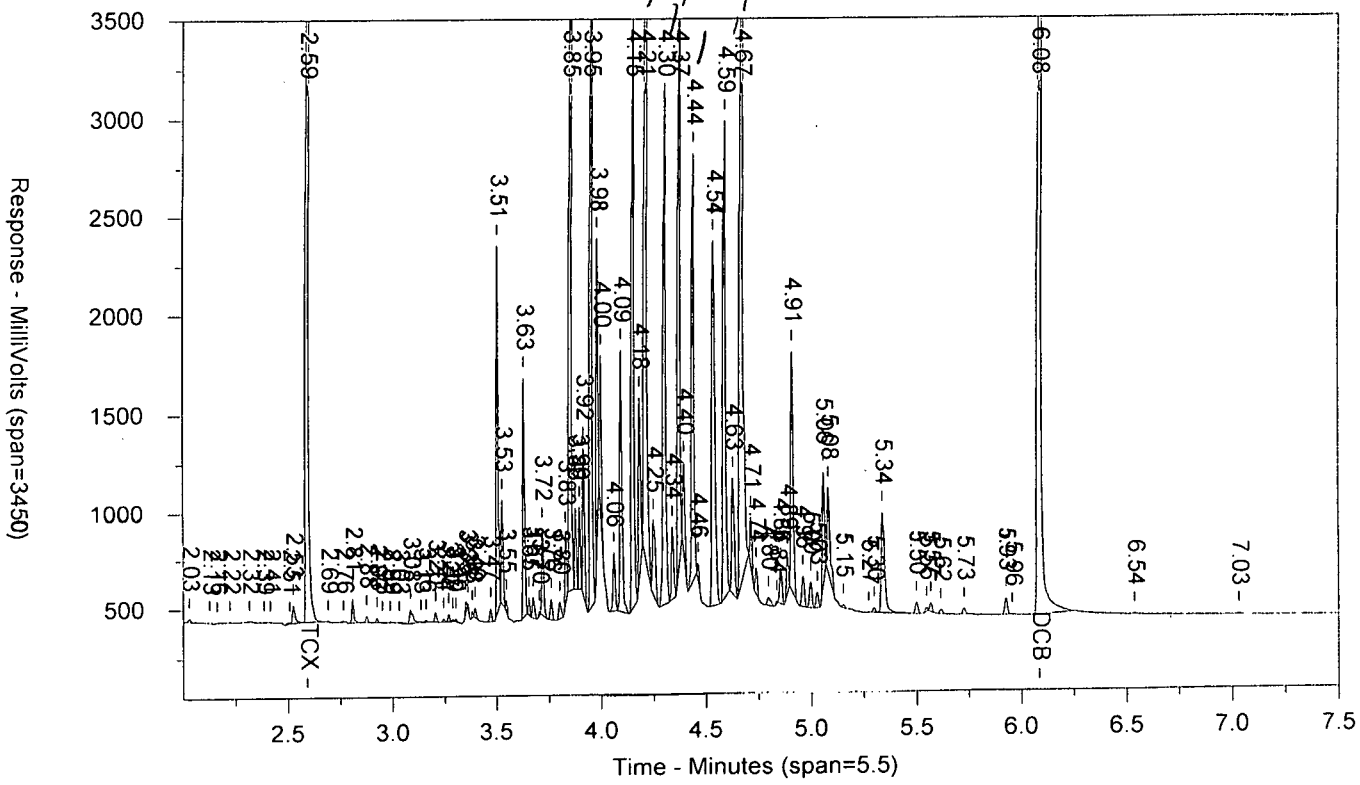

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:03:03 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	5234636	19.096	TCX	2.591	8413255	20.296	TCX
6.603	3772873	18.698	DCB	6.085	7003153	18.5	DCB

Files:
Area File: 07PCBS17284001.0022.RAW
Area File: 07PCBS17284001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:11:47 PM
File Reported On: 10/11/2017 at 11:11:55 PM

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

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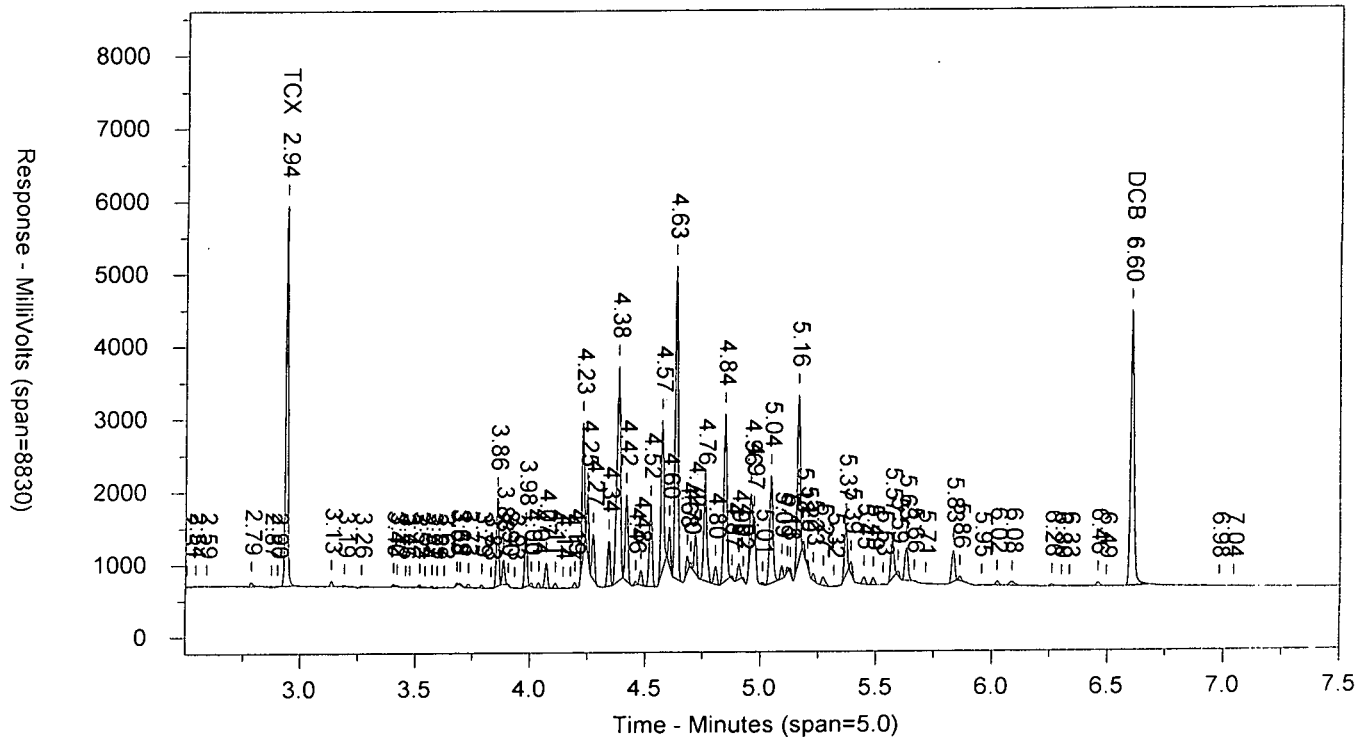

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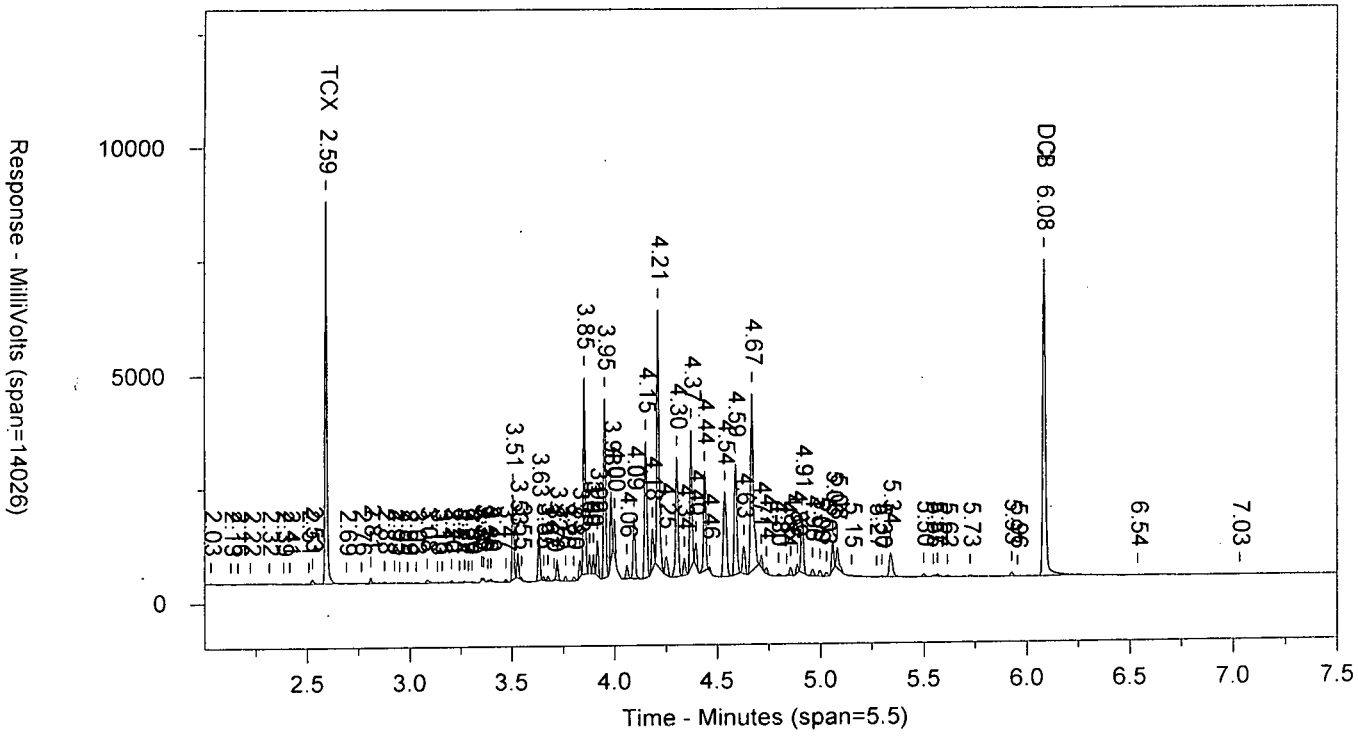

AR5441724C AAAR544AA ICAL 1728399999 10736 SW-846 8082

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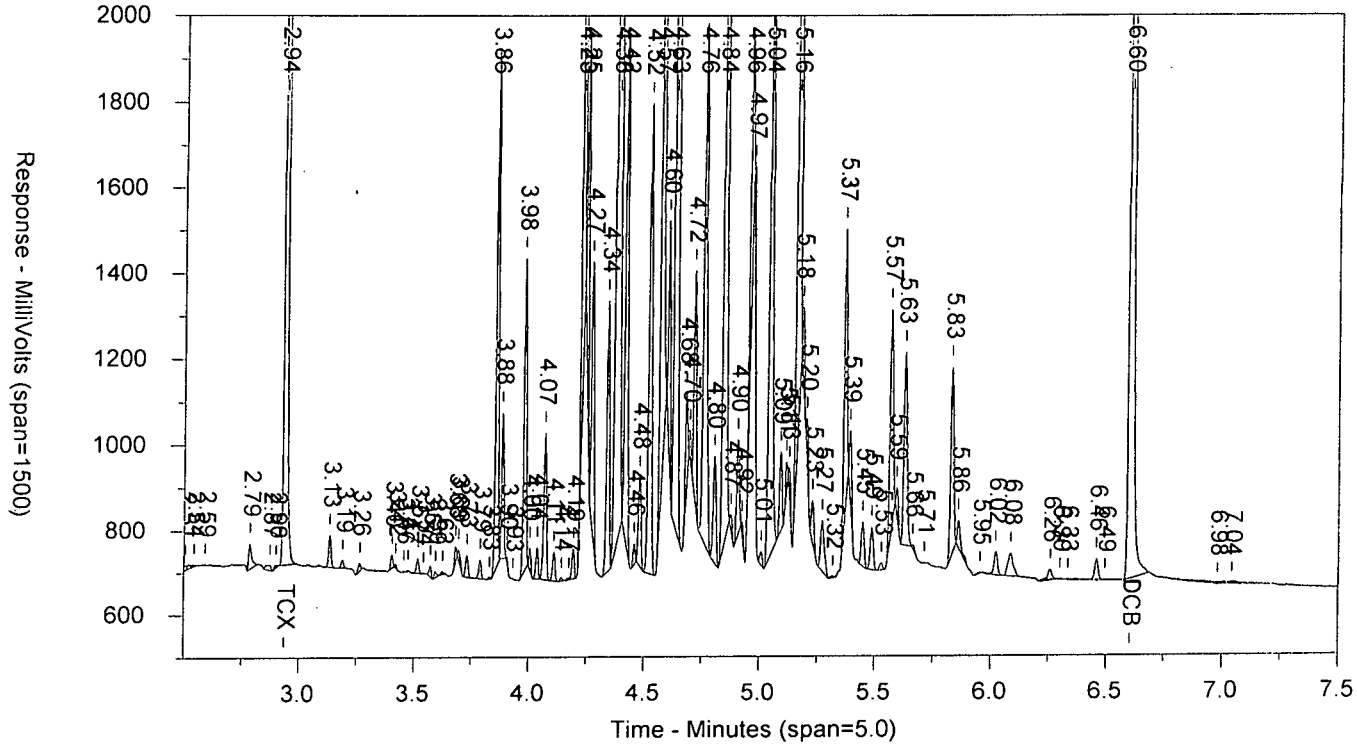

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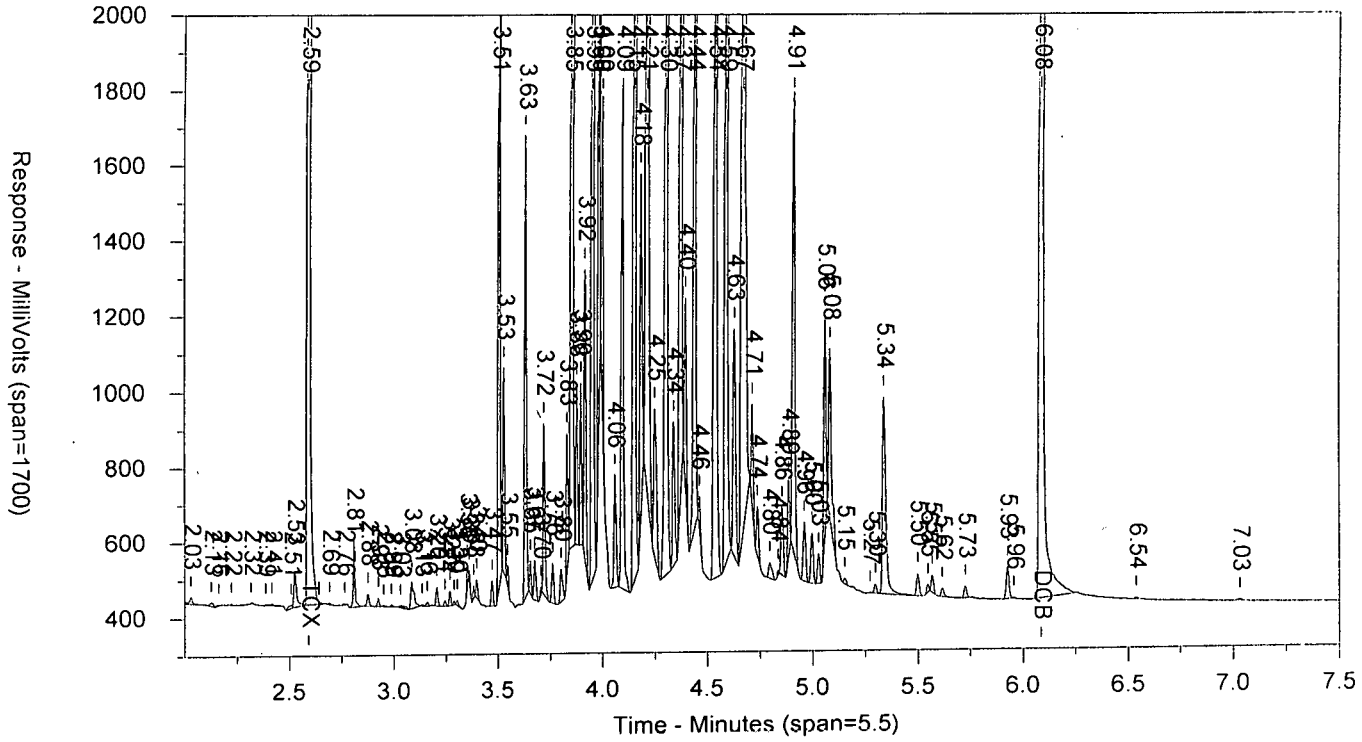

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 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: 07PCBS17284001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.542		16891	25149
1.613		6803	55896
1.828		1515	1741
2.063		15640	48507
2.089		9323	7991
2.176		11670	18487
2.234		59212	65698
2.333		44038	42202
2.526		5606	29535
2.595		3726	2058
2.613		2721	2113
2.712		2045	3624
2.786		20152	14665
2.866		15086	23314
2.937	TCX	10545700	7080066
3.036		2938	2098
3.087		12548	10209
3.134		148581	103758
3.188		42910	31746
3.264		34026	23734
3.281		5922	4086
3.404		72764	45480
3.42		19581	9229
3.457		3774	1883
3.473		18227	13052
3.517		74147	53916
3.572		43745	28063
3.594		41308	29113
3.626		15457	8563
3.641		7646	3472
3.683		67686	37002
3.694		31643	31167
3.731		128972	104135
3.79		97847	73811
3.832		11437	7371
3.858		2156986	1530976
3.884		593992	526399
3.981		1375647	1014896
4.005		92077	55820
4.036		146578	101473
4.07		604498	532913
4.11		133083	104059
4.142		14116	7884
4.156		4429	1855
4.173		5185	1979
4.194		129686	97756
4.229		3386326	2301955
4.248		1347943	754448
4.273		1073923	881387
4.341		1082749	889098
4.382		5686337	5824931
4.417		2234411	1733428
4.458		82436	55530

RT A	Compound A	Height A	Area A
4.48		390725	294197
4.522		2038574	1743290
4.571		3815800	3232899
4.603		987966	643525
4.633		8026612	6743122
4.682		394502	278600
4.696		109581	43566
4.716		939375	711209
4.758		2231005	2241142
4.804		456745	402797
4.845		4433414	4077343
4.874		66953	44711
4.904		400892	333341
4.924		49696	30335
4.957		1321188	1036184
4.97		226917	149457
5.007		53956	40501
5.043		2945283	2916899
5.09		369418	276703
5.114		132074	85834
5.125		104908	73498
5.161		4536999	3959710
5.183		305150	154056
5.201		169757	106442
5.227		195235	148938
5.27		220614	242918
5.308		3327	1965
5.367		1287852	1079698
5.391		340390	232796
5.42		11882	5570
5.446		203088	172424
5.486		189584	175801
5.526		35088	30539
5.566		970933	910371
5.591		118732	84039
5.627		835825	818621
5.664		20628	13374
5.831		756446	743723
5.861		125140	117288
5.95		4011	3763
6.022		89965	94812
6.083		87216	151985
6.23		2257	1893
6.256		46262	47704
6.301		3564	2355
6.369		1437	326
6.456		86915	88081
6.506		1839	615
6.602	DCB	7181234	7631524
6.791		1797	967
6.905		1130	595
6.986		1568	737
7.047		4867	5391
7.453		1682	427
7.53		991	812
7.603		1104	550
7.627		1418	339
7.67		1439	524
7.699		2104	472
7.831		2161	778
7.942		1579	563
7.966		1567	694
8.263		1767	609
8.413		1551	577
8.536		1365	415

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 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: 07PCBS17284001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.532		3598	6201
1.694		7006	15963
1.722		6068	3099
1.751		11364	22828
1.794		6299	6416
1.818		5272	4315
1.902		120002	102486
1.968		10200	13888
2.029		32573	24338
2.133		11245	11425
2.161		4578	4986
2.223		5759	6071
2.304		1645	1654
2.387		4405	3401
2.416		3980	2659
2.508		8375	12413
2.525		40229	31563
2.591	TCX	16466400	10289150
2.764		18811	26253
2.809		219164	146860
2.876		65623	46643
2.925		43268	24087
2.948		2268	1200
2.988		10147	7677
3.085		137907	152901
3.135		9387	5268
3.159		28494	20708
3.182		3448	1525
3.206		103782	74395
3.245		54838	37089
3.269		67606	35990
3.289		21703	10681
3.304		17621	9731
3.354		180746	193948
3.383		60757	27717
3.398		115862	83616
3.471		136215	93490
3.506		3348723	2044419
3.529		971328	562621
3.547		91259	39897
3.598		4331	4527
3.632		2154952	1335471
3.654		150616	76651
3.675		208042	141863
3.704		72761	33599
3.721		784552	488914
3.761		199327	140183
3.801		164285	132342
3.831		622266	366073
3.853		7962916	5174826
3.878		779202	420693
3.897		777733	425498
3.917		1385874	869426
3.952		7276728	4890584

3.983		2652849	1580309
4		1470401	767853
4.061		542730	384003
4.095		2381053	1792767
4.152		5935535	4334473
4.185		1651182	1223766
4.212		10730280	7844793
4.25		718569	683051
4.303		4905945	4039561
4.34		707612	532260
4.373		6000307	4247819
4.396		934298	591265
4.439		3982054	3044409
4.462		165839	89395
4.537		3515445	3632347
4.59		4950863	3954556
4.629		1179544	982451
4.668		7746373	7287530
4.714		530608	327362
4.738		258370	169864
4.796		83746	90251
4.837		22413	11693
4.856		351257	270368
4.888		364066	242396
4.911		2332755	1850741
4.961		303039	244310
4.996		251673	203305
5.028		150714	117903
5.06		1134176	845961
5.082		794694	753796
5.153		26814	23029
5.299		43668	34530
5.341		1039942	1104497
5.498		92573	82957
5.546		43309	32022
5.568		68975	51544
5.616		44677	41075
5.725		64219	55218
5.926		147560	127459
5.956		4170	2628
6.084	DCB	13159310	12782140
6.254		5901	6886
6.536		11811	15710
6.812		1891	4053
7.975		1312	1777
8.162		10592	22910

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

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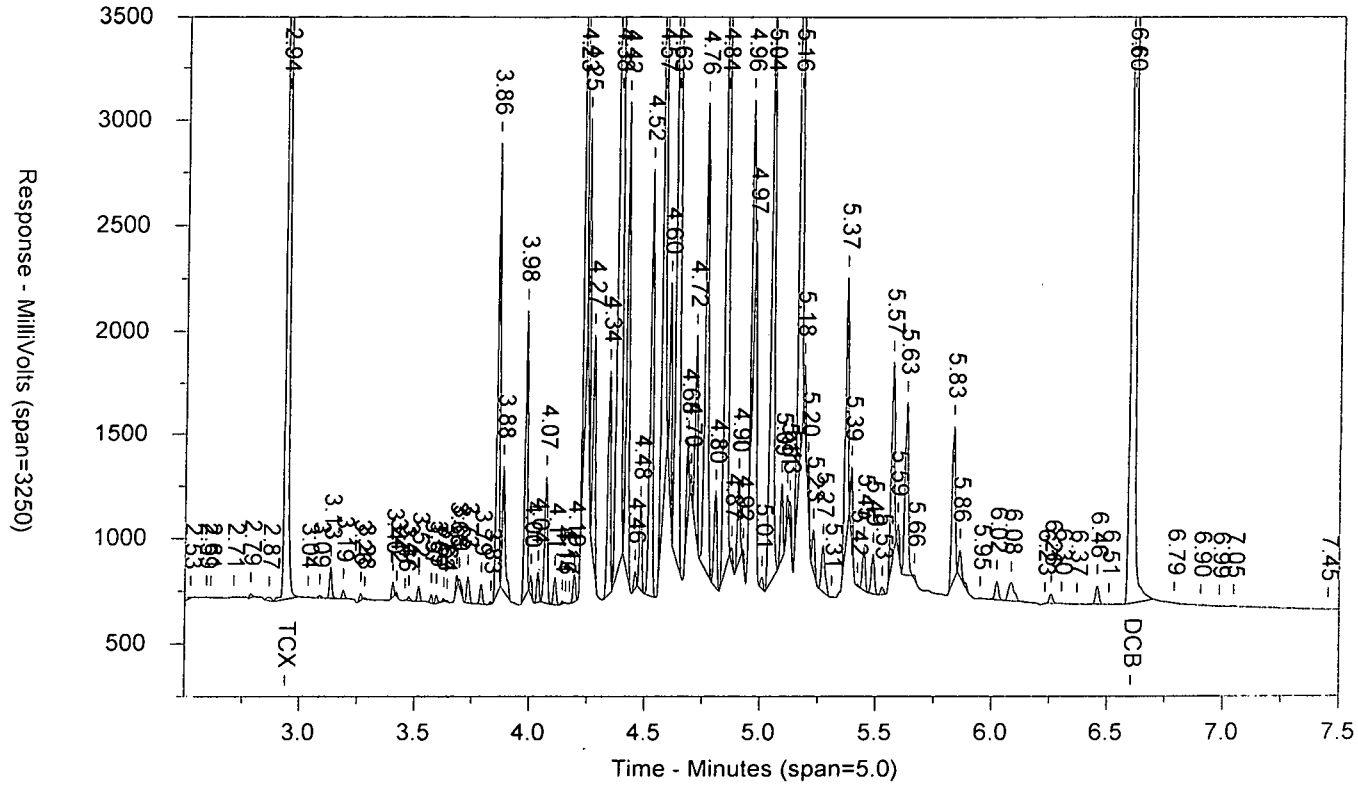

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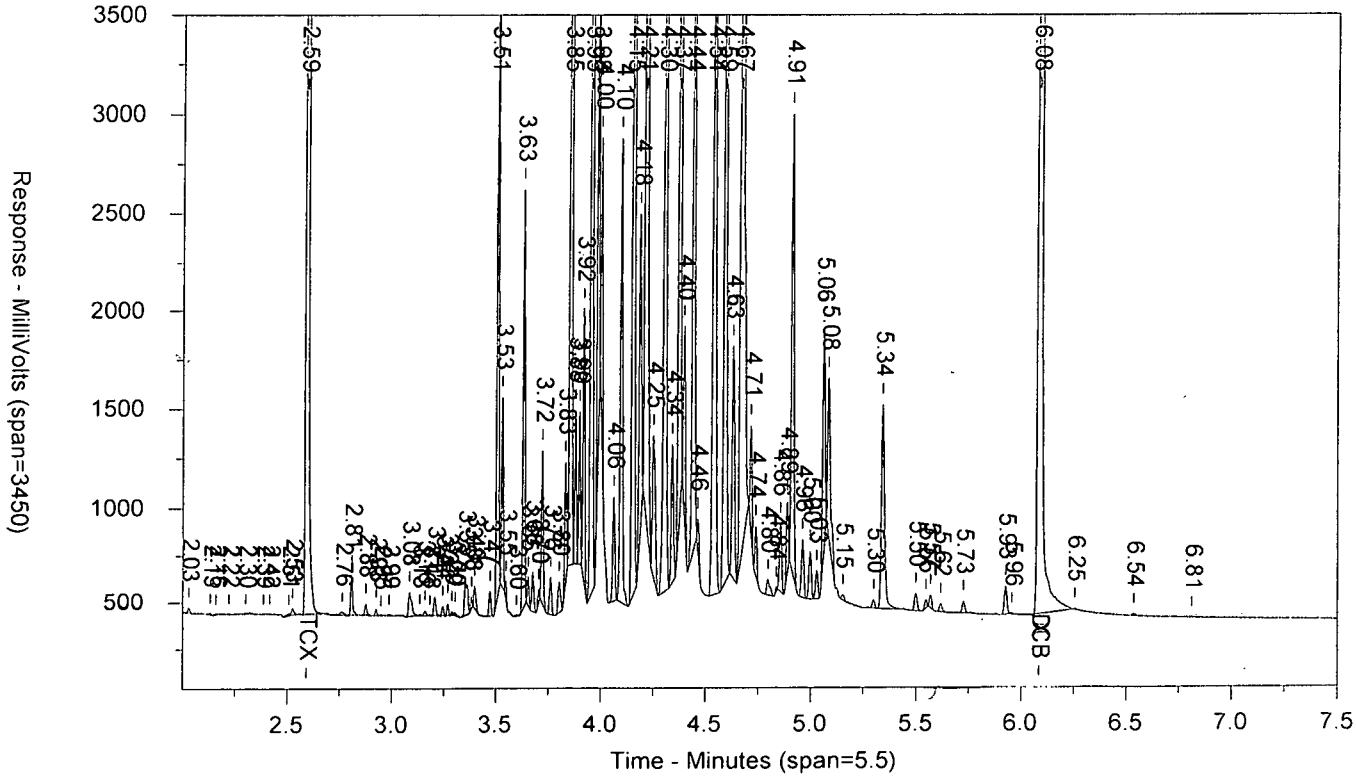

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:14:31 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	10545700	38.471	TCX	2.591	16466400	39.723	TCX
6.602	7181234	35.589	DCB	6.084	13159310	34.762	DCB

Files:
Area File: 07PCBS17284001.0023.RAW
Area File: 07PCBS17284001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:23:14 PM
File Reported On: 10/11/2017 at 11:23:23 PM

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

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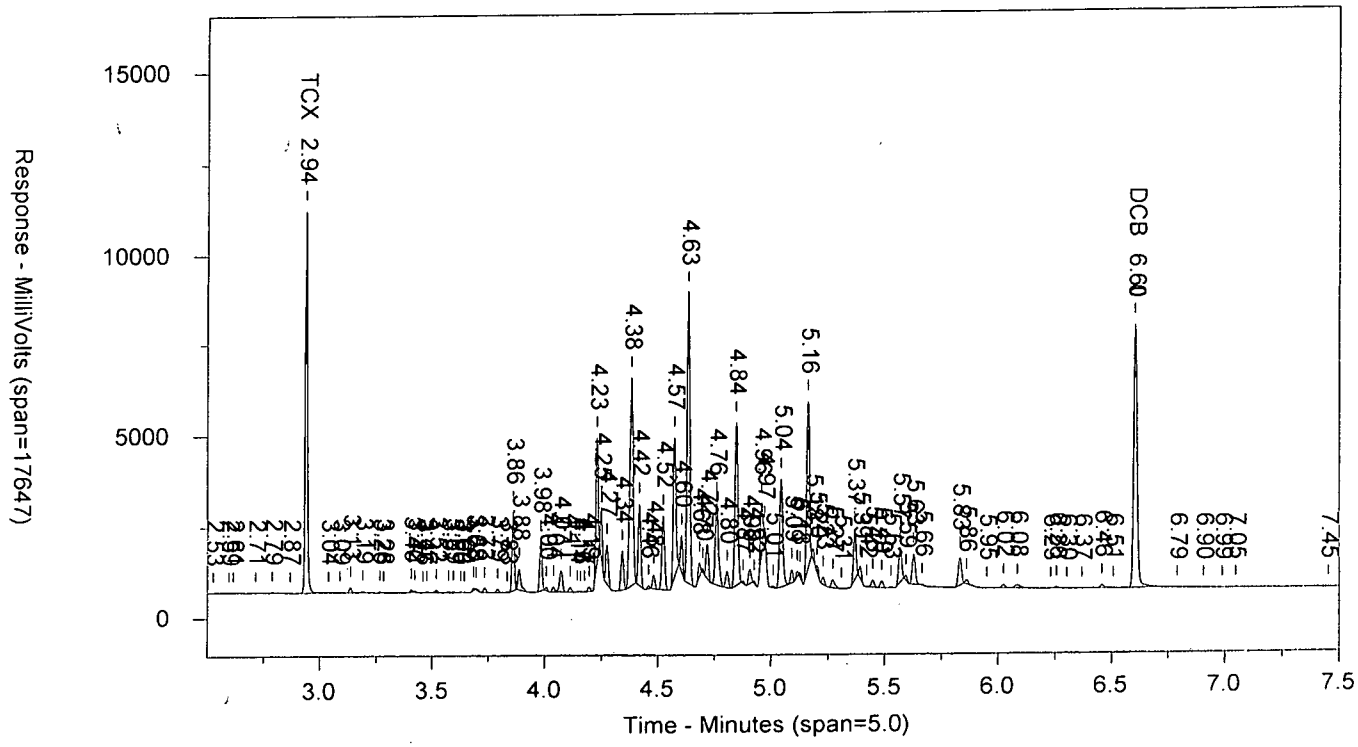

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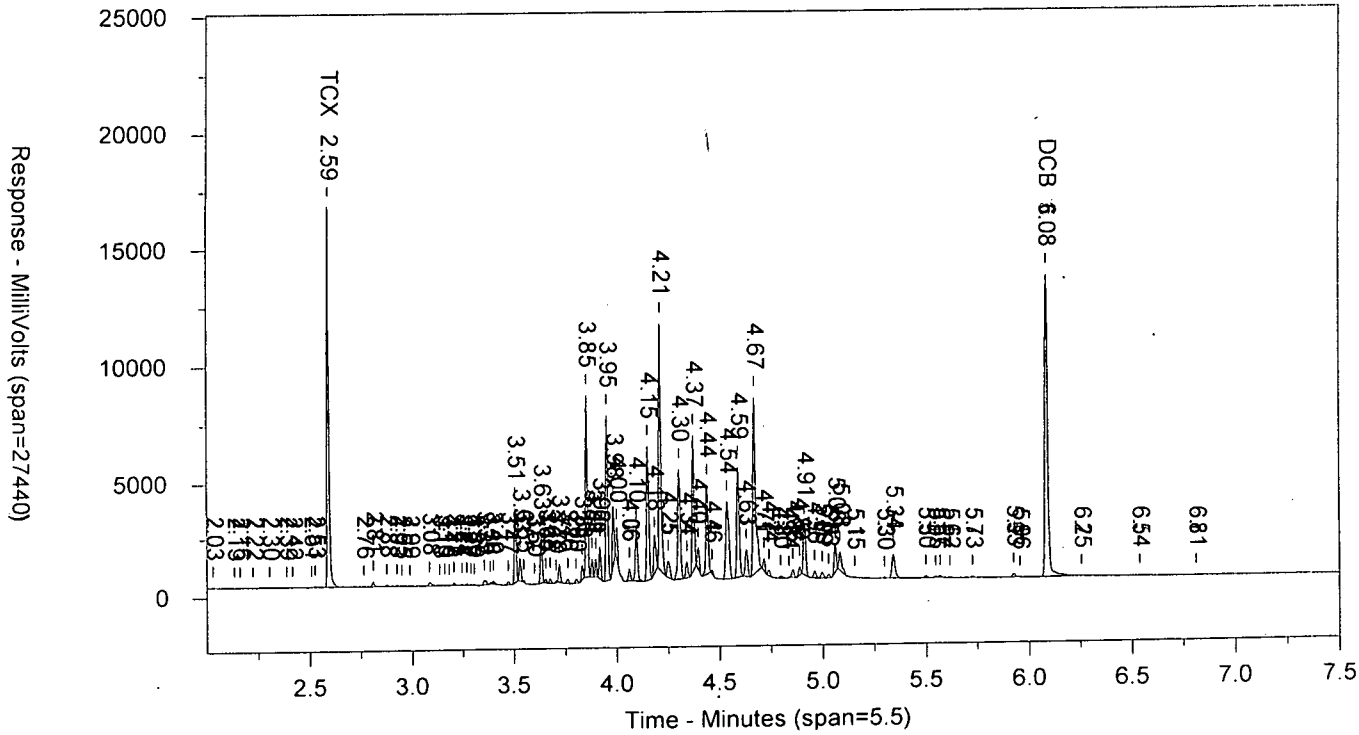

AR5451724C AAAR545AA ICAL 1728399999 10736 SW-846 8082

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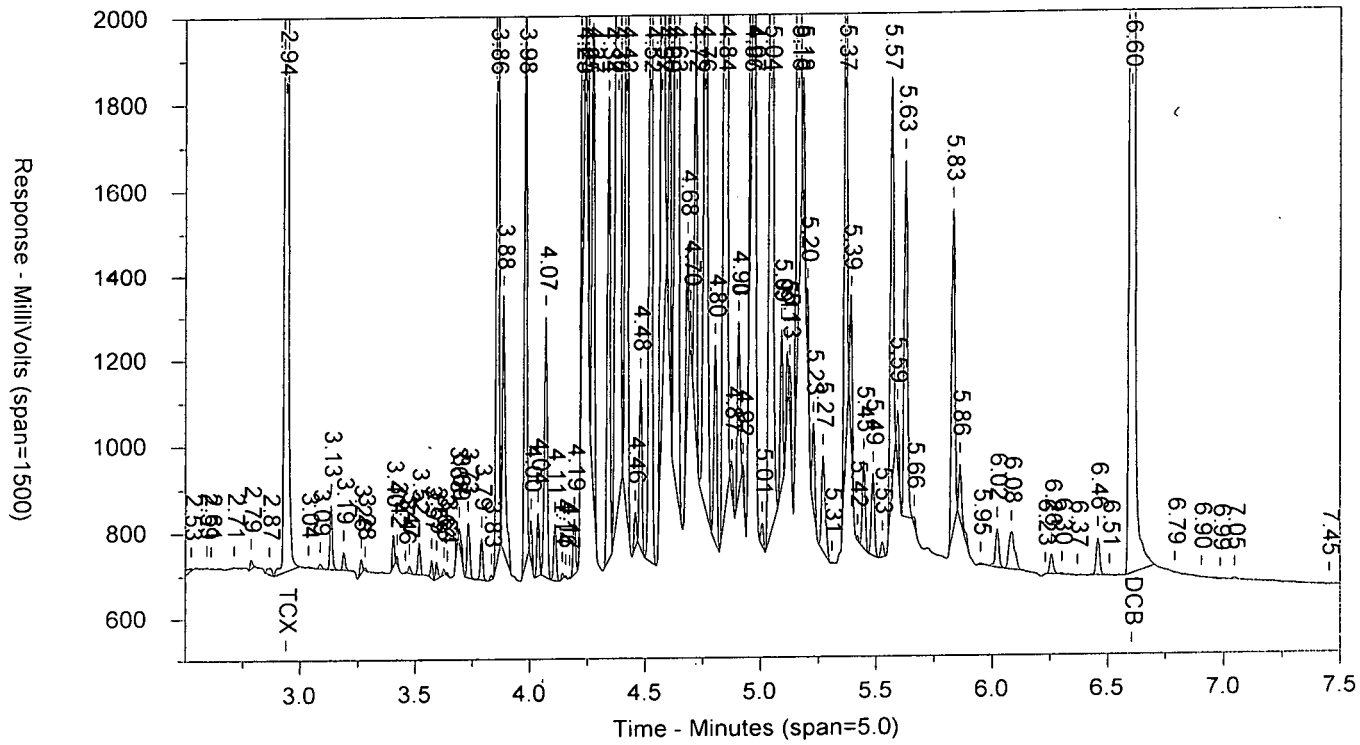

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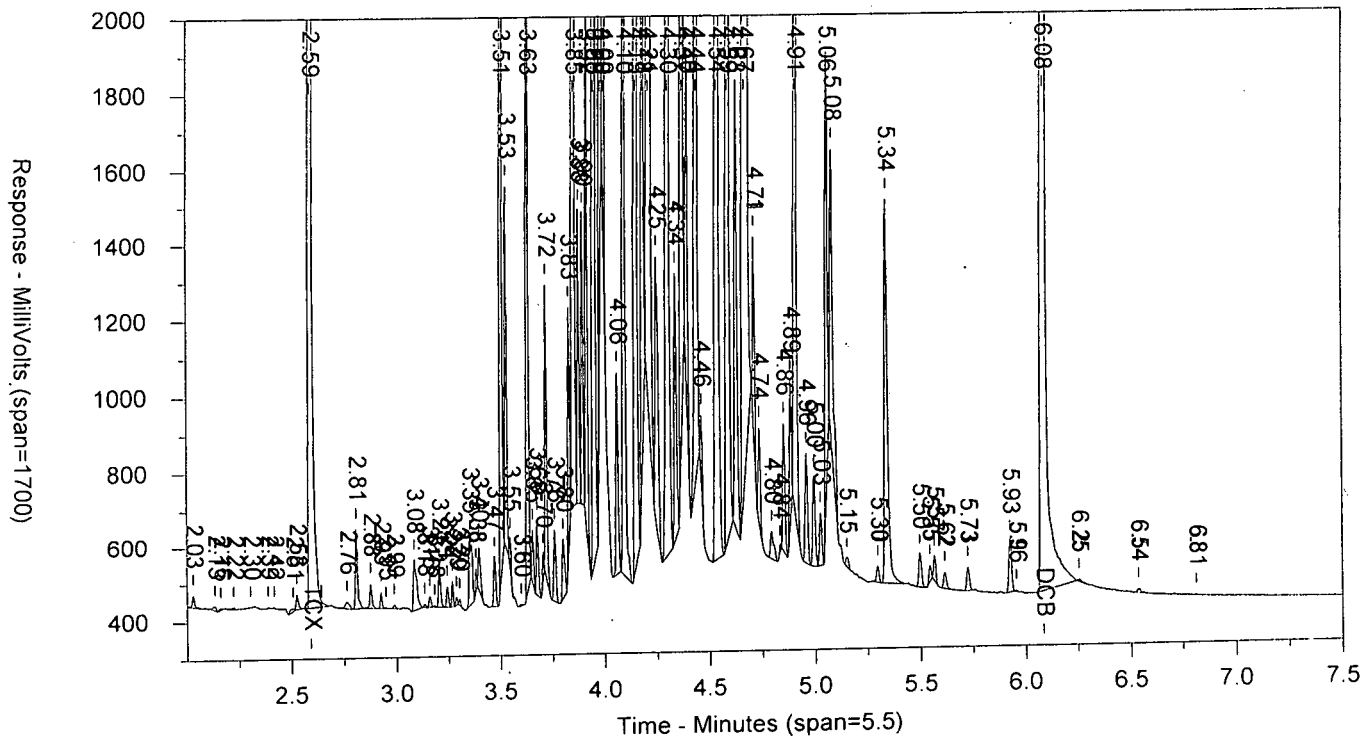

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 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: 07PCBS17284001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.613		6408	49879
1.736		3096	1411
1.893		2227	2256
1.915		4048	2947
1.986		1804	889
2.056		21448	41119
2.089		17364	19913
2.13		3430	2625
2.168		4385	4725
2.234		101912	72510
2.333		41350	24751
2.342		38756	24065
2.432		6108	4731
2.501		12590	17015
2.524		9609	11177
2.594		3277	1018
2.617		4627	2734
2.705		6199	4673
2.788		19120	22185
2.872		17285	28626
2.898		6982	5497
2.937	TCX	21888910	14051710
3.036		8734	10080
3.088		27209	24216
3.134		284777	202202
3.189		86789	61393
3.264		57268	37795
3.281		9429	6098
3.349		2701	2872
3.403		140357	90236
3.419		35536	18552
3.456		9117	4069
3.473		37268	27800
3.516		144550	110238
3.572		68589	43453
3.593		84638	56252
3.625		31049	17812
3.64		12958	6390
3.682		131787	69740
3.694		74965	62259
3.732		274260	215164
3.789		192527	148258
3.83		28242	17082
3.857		4183651	2911920
3.884		1116041	1007020
3.98		2636406	1900006
4.004		168208	104438
4.036		273601	197709
4.069		1169164	1000241
4.109		246885	195624
4.142		23861	13544
4.155		15237	7684
4.173		2361	852

RT A	Compound A	Height A	Area A
4.194		260257	188717
4.229		6807404	4569697
4.247		2829043	1538592
4.272		2085883	1659050
4.34		2055100	1666905
4.382		11042380	11432730
4.416		4344454	3355147
4.457		173888	109753
4.479		725716	546010
4.521		3892001	3354801
4.571		7663059	6361940
4.602		1895216	1230135
4.632		16347640	13572060
4.681		766261	535180
4.696		245976	99681
4.716		1914456	1395301
4.736		11090	2620
4.757		4370839	4280816
4.804		898128	778924
4.844		9378378	8319612
4.875		132783	83890
4.903		779810	616342
4.923		143587	78033
4.956		4468957	6841187
5.006		103197	80282
5.042		5747644	5960540
5.088		707950	533998
5.112		284451	183557
5.125		153902	101379
5.161		9196005	8037887
5.183		612130	321237
5.2		354265	204683
5.227		344970	265054
5.269		414393	460136
5.341		12108	7383
5.366		2618865	2153639
5.389		627159	424665
5.419		16587	7411
5.446		372669	331136
5.485		346559	329712
5.525		64542	55496
5.566		1901204	1767014
5.59		248248	176365
5.625		1580033	1535144
5.662		50317	36584
5.715		8918	12771
5.831		1414497	1359098
5.86		252511	232579
6.021		167621	171721
6.084		168110	288720
6.255		87013	95279
6.38		2049	927
6.429		2102	1588
6.456		166174	167554
6.602	DCB	14980930	14826340
6.706		4875	2409
6.911		2188	1817
6.989		1489	401
7.048		8739	10088
7.14		1729	378
7.585		1149	508
7.607		1364	461
7.633		1458	889
7.747		2215	956
7.822		1585	855
7.879		1486	591

RT A	Compound A	Height A	Area A
7.941		872	869
8.035		1761	1348
8.059		1979	808
8.177		1293	509
8.299		1524	546
8.424		1672	412
8.431		2379	524
8.506		1726	859
8.573		2290	2517
8.607		1814	488

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 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: 07PCBS17284001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		6308	7688
1.607		5748	3820
1.694		1706	2918
1.77		11033	26349
1.817		15452	32582
1.903		186737	178891
1.967		16566	38728
2.03		67386	56676
2.124		14199	14940
2.16		5218	5302
2.223		9752	5312
2.278		1529	776
2.321		12364	11912
2.386		5372	3704
2.416		11156	7777
2.469		12028	9539
2.51		13443	16728
2.525		25961	17428
2.591	TCX	33119730	20204830
2.69		9171	7676
2.765		34746	41491
2.809		416136	268209
2.876		122902	91344
2.925		79002	45653
2.949		5297	3999
2.988		21202	16595
3.032		6772	11971
3.085		264907	287274
3.135		16906	8832
3.159		59002	41108
3.181		6336	2976
3.206		194957	148595
3.244		115880	76701
3.269		112999	61566
3.289		43611	21758
3.304		30651	15162
3.354		353310	358232
3.383		117111	53770
3.398		251487	177928
3.471		272261	187391
3.506		6463667	3889131
3.529		1911696	1066633
3.546		175060	76484
3.593		4560	3507
3.631		4158395	2533267
3.654		281771	144437
3.675		406993	276705
3.704		155654	71693
3.72		1484284	909940
3.761		375319	268047
3.801		297309	247457
3.831		1255273	704478
3.853		15288630	10098910
3.878		1461930	815824

3.897		1498257	807941
3.917		2697874	1646170
3.952		14213400	9498761
3.983		5262739	3076922
3.999		2971091	1515951
4.06		998341	716657
4.095		4694439	3478722
4.151		12052030	8553027
4.184		3210817	2377282
4.212		21261650	15476310
4.25		1377276	1313037
4.303		9788684	7860956
4.34		1390069	1040808
4.372		12271750	8726471
4.396		1786931	1160023
4.439		8108381	5991683
4.463		355757	197789
4.536		6789137	7105352
4.589		10304420	8064423
4.629		2238228	1913950
4.668		15372950	14577200
4.714		1046456	654065
4.738		468351	322621
4.796		155891	174594
4.837		40671	20626
4.855		697439	518147
4.888		623307	426063
4.91		4612914	3628634
4.961		541939	458215
4.996		486840	385818
5.027		290884	229419
5.059		2424340	1767075
5.081		1672649	1488687
5.123		40337	24060
5.152		59384	50887
5.22		5542	3894
5.272		6343	3575
5.298		80200	65016
5.339		1992768	2086135
5.498		174493	150733
5.545		85189	60252
5.567		126357	91963
5.616		84529	75904
5.724		119202	99979
5.753		5080	5023
5.925		272740	233146
5.955		5771	3816
6.084	DCB	27078900	24465450
6.303		4515	2807
6.535		19881	18177
6.705		3272	3849
7.964		1157	1692
8.011		1768	2765
8.162		10554	20131

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

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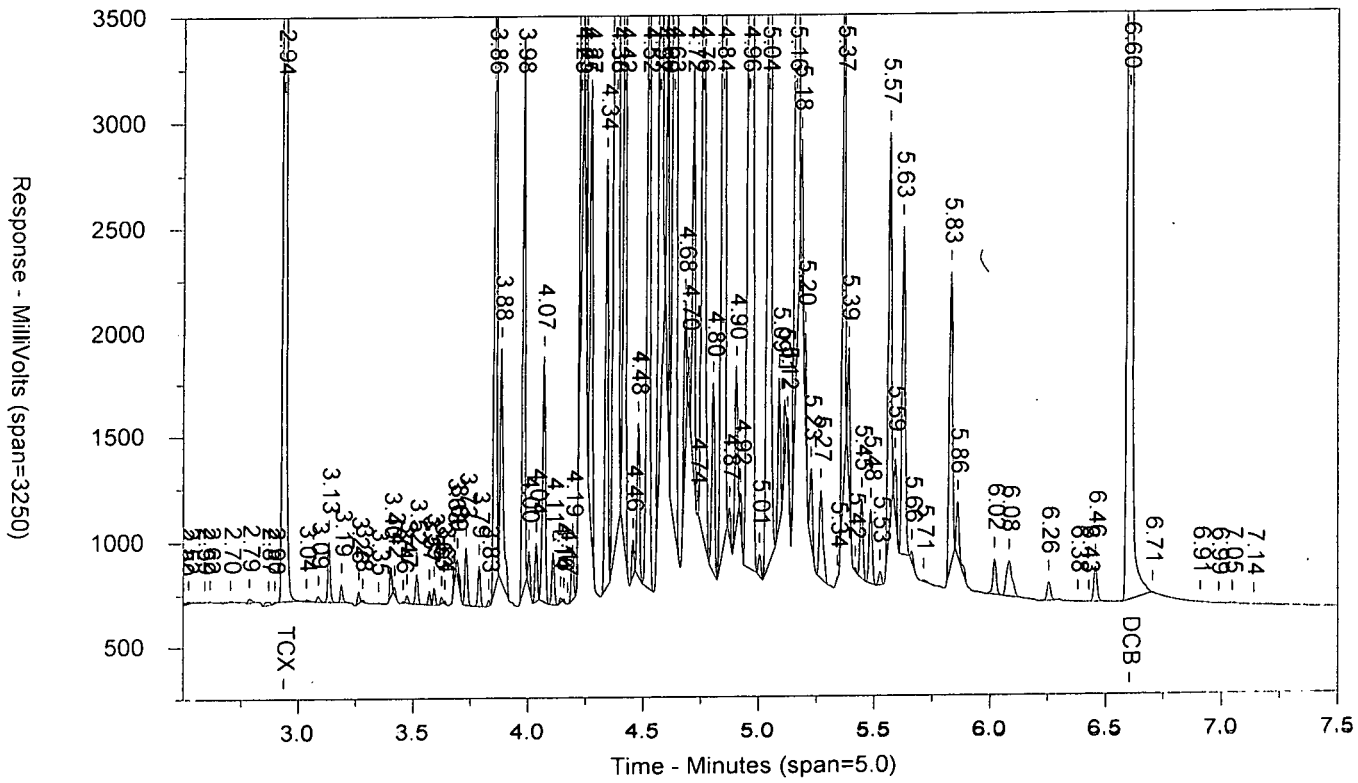

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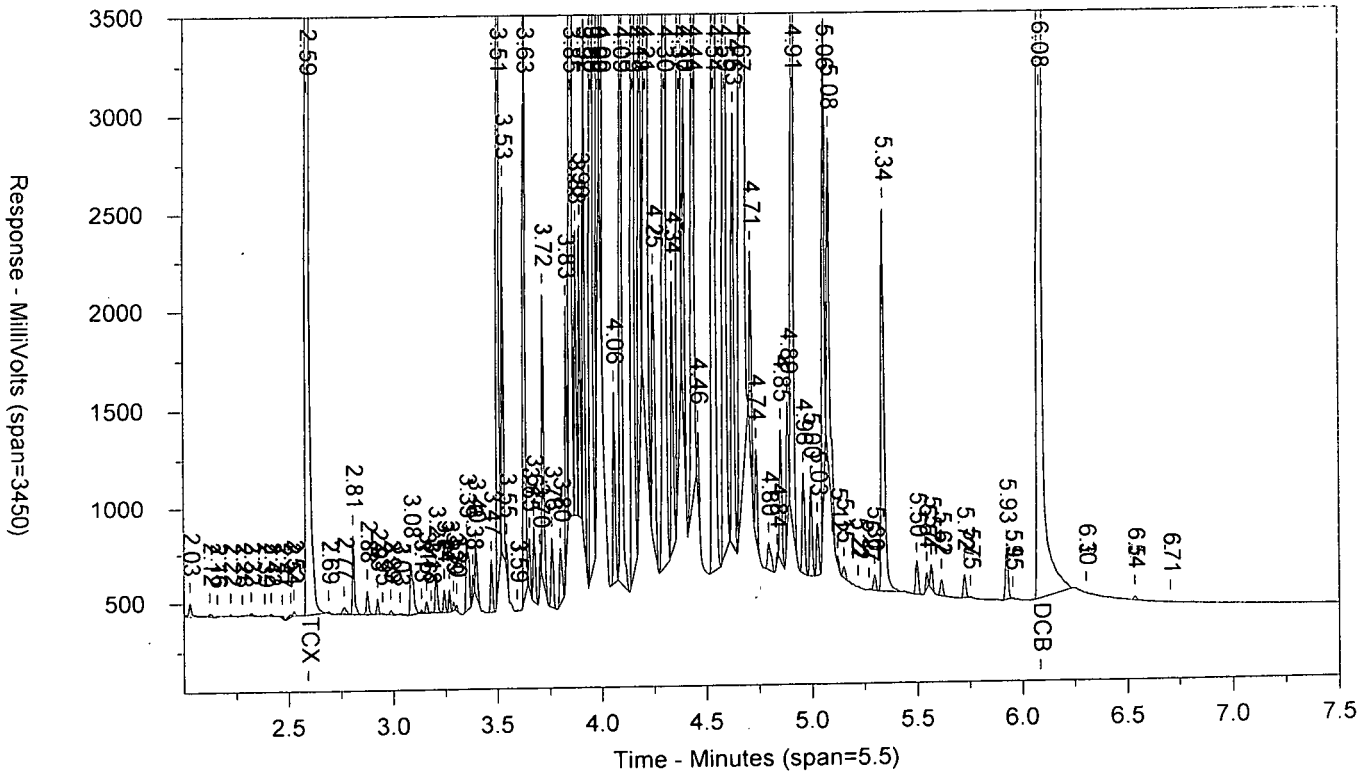

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:25:58 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	21888910	79.851	TCX	2.591	33119730	79.898	TCX
6.602	14980930	74.242	DCB	6.084	27078900	71.532	DCB

Files:
Area File: 07PCBS17284001.0024.RAW
Area File: 07PCBS17284001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:34:40 PM
File Reported On: 10/11/2017 at 11:34:51 PM

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

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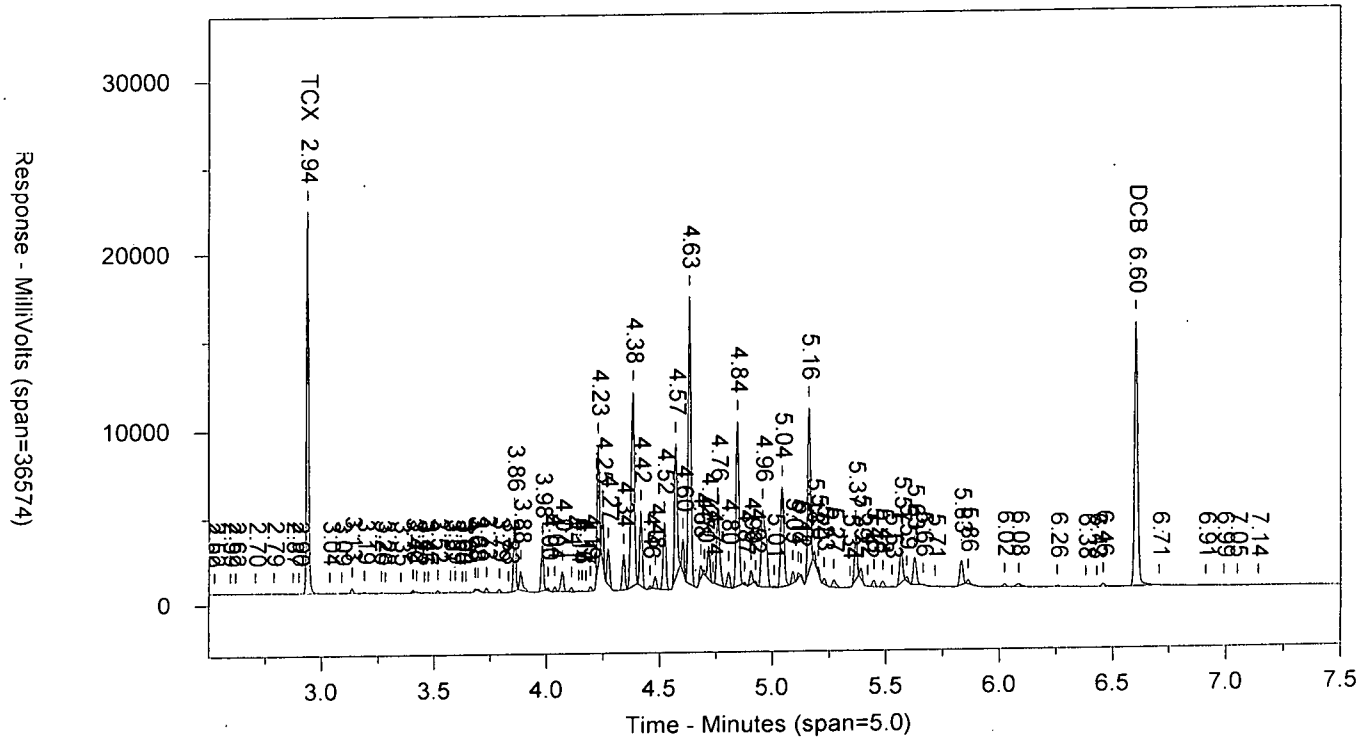

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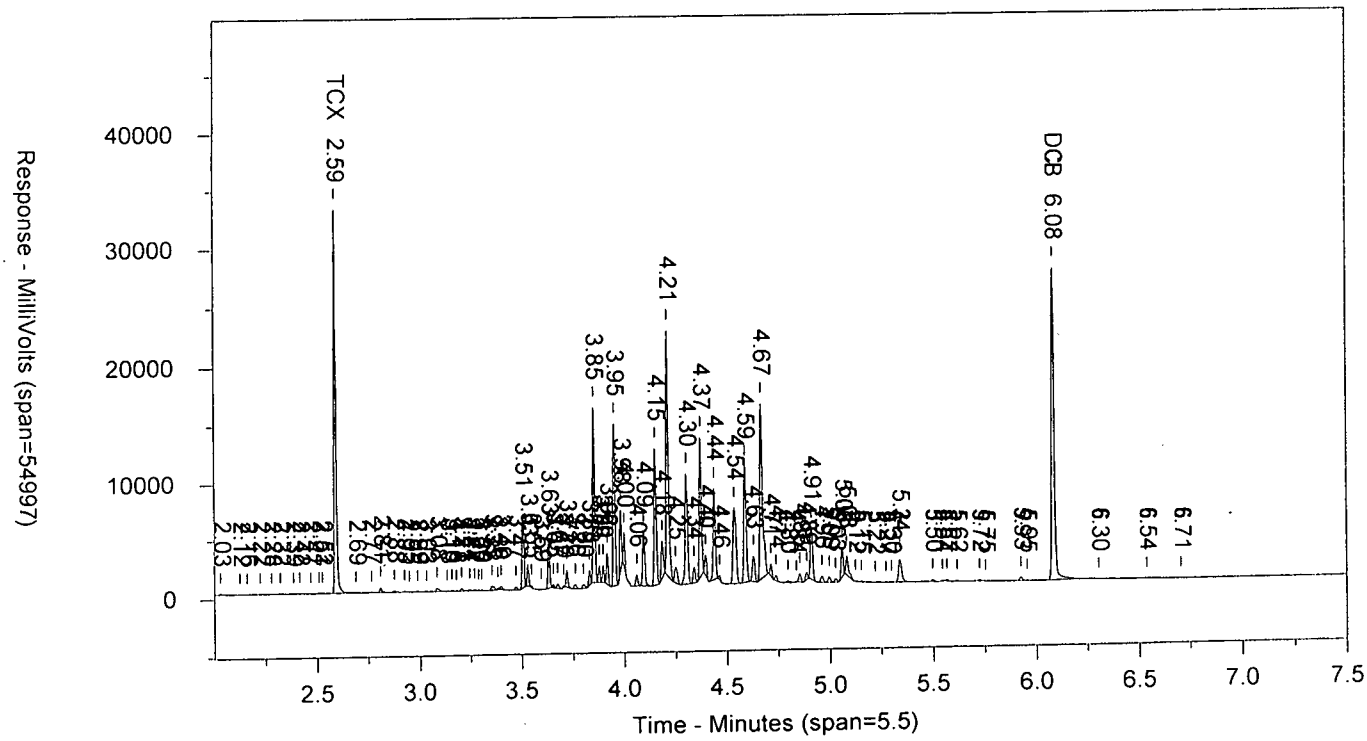

AR5461724B AAAR546AA ICAL 1728399999 10736 SW-846 8082

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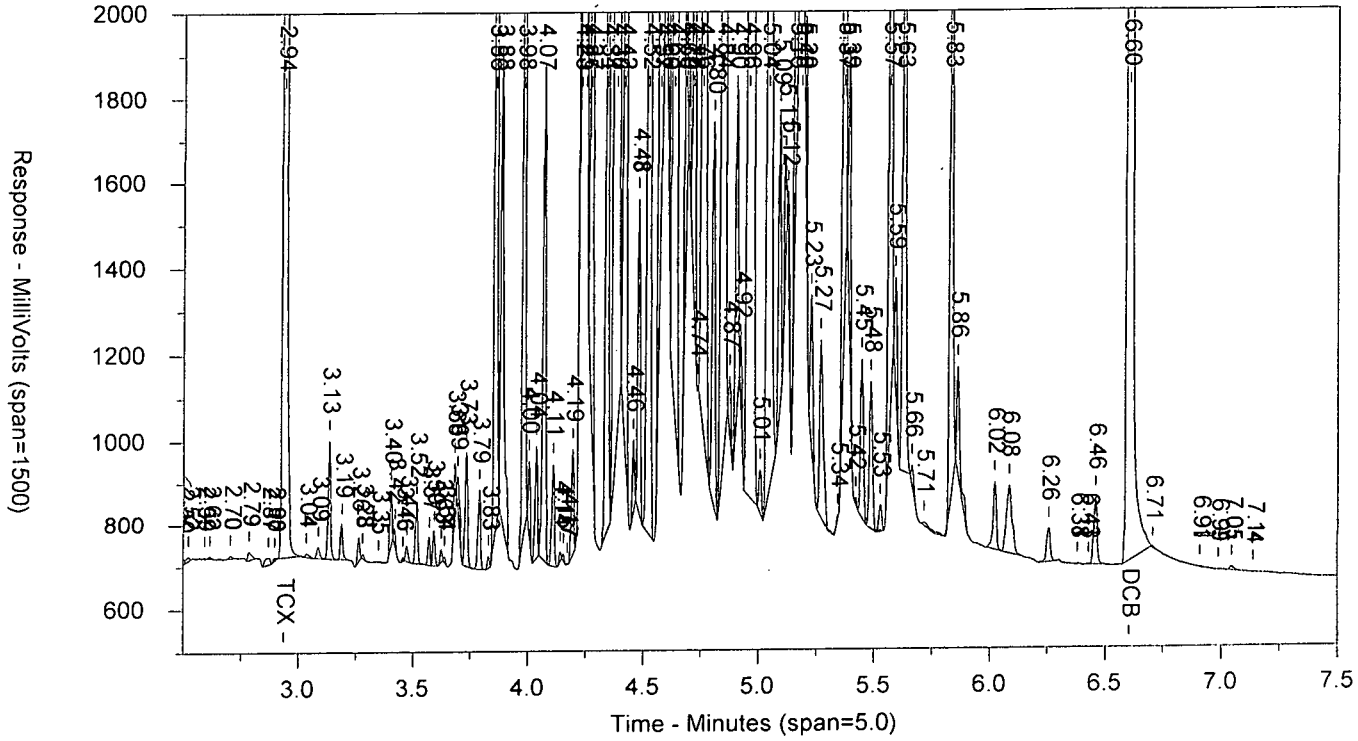

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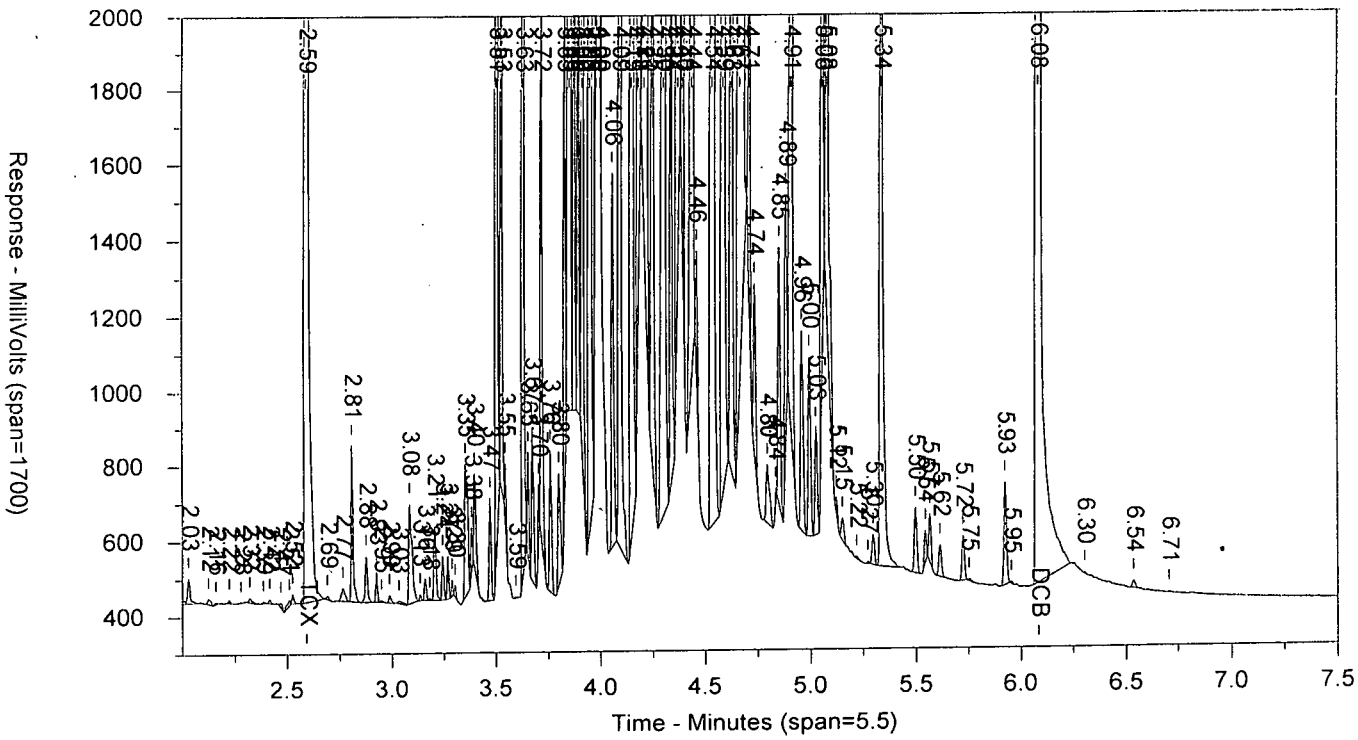

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.514		1951	1190
1.612		14027	79781
1.717		1942	829
2.002		29563	75888
2.055		27604	52817
2.087		11920	12174
2.165		5211	5768
2.224		1497	2751
2.276		18258	13891
2.333		22116	14731
2.523		22510	68443
2.593		9409	8230
2.684		2956	1559
2.849		14049	5836
2.867		17163	21071
2.911	TCX	17455	29426
3.086		4627	3917
3.169		5769	3318
3.189		29396	19727
3.283		8411	26834
3.402		37040	21420
3.419		17091	8868
3.456		3683	1909
3.517		44124	32322
3.599		12141	11611
3.626		8848	5282
3.683		19266	10567
3.694		44701	20587
3.731		58063	39260
3.789		44907	31939
3.819		19538	15148
3.858		55651	37428
3.885		51486	56550
3.926		12890	15851
3.982		54208	45493
4.005		6483	3323
4.036		11932	7631
4.07		38877	40468
4.109		10786	8048
4.138		1265	443
4.155		1885	984
4.172		9273	6453
4.193		6283	3370
4.229		299968	220742
4.248		34381	18111
4.271		49531	42771
4.341		9790	6562
4.357		84537	52812
4.383		385099	324021
4.417		33005	22516
4.459		25459	17888
4.486		74466	64157
4.52		58515	51398

RT A	Compound A	Height A	Area A
4.572		22150	13044
4.589		259616	208833
4.633		196781	170888
4.681		1200200	1248773
4.719		188117	137230
4.758		1802269	1660508
4.8		10099	8924
4.844		113303	118504
4.876		6432	3855
4.905		218073	217582
4.956		1742058	1880766
5.007		779537	745378
5.047		547669	467030
5.065		67631	33858
5.088		113192	81222
5.127		84280	71448
5.161		1659551	1554455
5.205		15796	9820
5.228		3014307	2769691
5.27		1271463	1230416
5.317		8955	9600
5.363		519137	400159
5.389		2151775	2193550
5.446		962596	878202
5.485		410139	514148
5.53		118474	130877
5.572		505886	506587
5.627		5726489	6729649
5.831		4444809	4251803
5.886		2239287	3418552
5.95		8878	8530
6.021		250789	240939
6.101		1020615	1247488
6.256		2235731	2230635
6.3		130548	119135
6.456		769686	797503
6.601	DCB	17615	18031
6.661		2301	1497
6.751		2318	2995
6.864		1517	431
6.993		2435	2472
7.122		1763	1052
7.266		1440	729
7.283		1449	525
7.345		1322	501
7.391		1258	476
7.754		1415	389
7.879		1100	408
7.971		1998	765
7.989		1798	434
8.057		1573	797
8.182		1415	354
8.235		2161	419
8.446		1891	524
8.562		1313	458
8.626		1659	403

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		2846	2493
1.608		2541	1929
1.75		3928	4139
1.797		5330	4531
1.856		2851	3925
1.899		33706	24767
1.97		7669	11666
2.05		29127	21786
2.123		5233	7111
2.156		8497	13609
2.223		2845	1667
2.298		2410	1885
2.321		11404	10763
2.389		4869	4173
2.485		11144	4114
2.507		10381	9941
2.525		6801	4239
2.598	TCX	2940	2684
2.622		12530	9490
2.763		5700	3016
2.799		4528	3631
2.824		8715	5896
2.876		47035	29547
2.901		11156	6657
2.962		7629	5109
2.987		6005	3918
3.084		78551	84292
3.135		6654	3196
3.16		5189	5185
3.205		67247	45709
3.244		5453	4736
3.288		15844	7822
3.304		15179	11346
3.354		32356	15845
3.363		56625	23795
3.396		69741	60345
3.47		66067	48827
3.506		69019	35910
3.529		60559	43208
3.559		24561	15999
3.59		24798	17095
3.631		71610	44489
3.653		37566	20131
3.675		14382	7165
3.703		17023	11628
3.72		44900	27145
3.76		17852	12571
3.802		18996	15587
3.832		15743	9464
3.853		498838	325624
3.878		49684	27974
3.896		11113	5211
3.916		66266	42000
3.951		536196	375400

3.984		56101	34295
4.01		178079	130721
4.048		123010	112591
4.094		40400	41689
4.151		111228	76848
4.193		401534	256318
4.225		1628658	1190102
4.252		410490	407189
4.302		2703765	2043944
4.347		16534	16150
4.372		82075	53872
4.396		402010	300771
4.439		3175440	2479574
4.54		2836616	2513465
4.593		490734	398497
4.633		920776	750759
4.667		1778856	1494627
4.7		4263861	3292329
4.738		2146303	1746576
4.836		918112	760300
4.887		4179563	3574648
4.96		1588717	1583607
4.997		543725	419444
5.027		500305	403201
5.081		8347245	7175126
5.123		103679	74775
5.154		544791	454618
5.273		156202	99776
5.297		3398717	2800485
5.345		5507533	5743700
5.498		288591	243904
5.546		30177	21605
5.567		174730	133165
5.616		1337463	1182372
5.725		3235845	2760191
5.756		151610	102042
5.924		1334778	1282168
6.083	DCB	38644	38057
6.257		5054	5075
8.161		9746	16684
8.637		1240	1372

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

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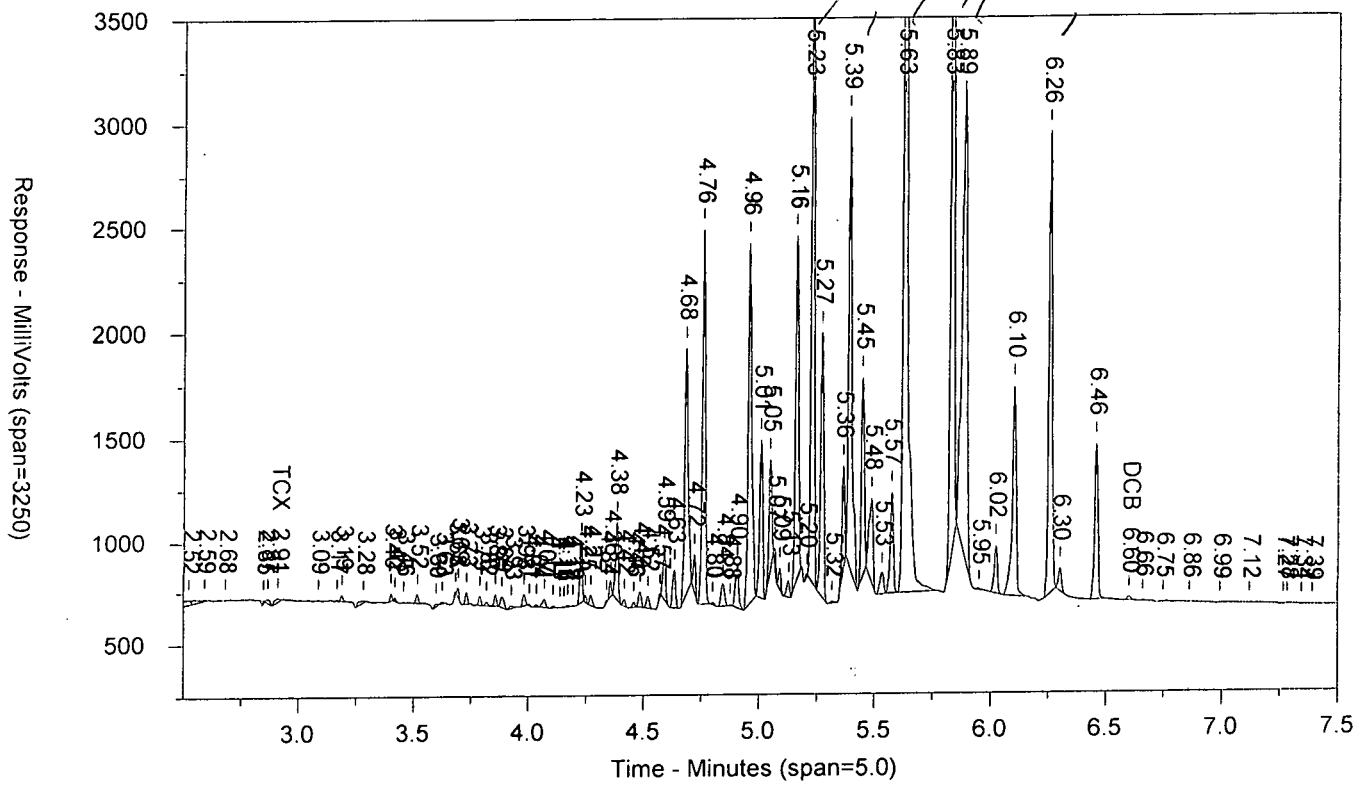

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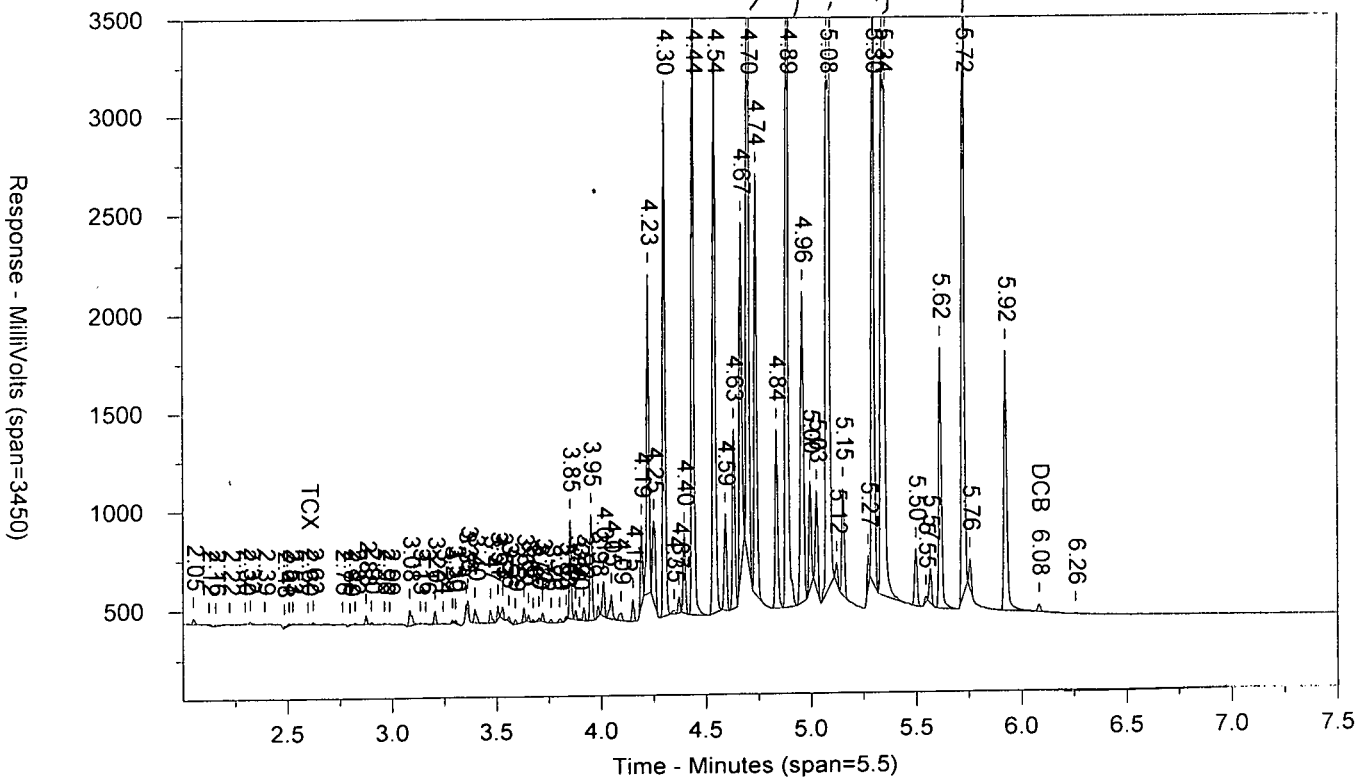

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:37:29 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.911	17455	.064	TCX	2.598	2940	.007	TCX
6.601	17615	.087	DCB	6.083	38644	.102	DCB

Files:
Area File: 07PCBS17284001.0025.RAW
Area File: 07PCBS17284001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:46:09 PM
File Reported On: 10/11/2017 at 11:46:21 PM

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

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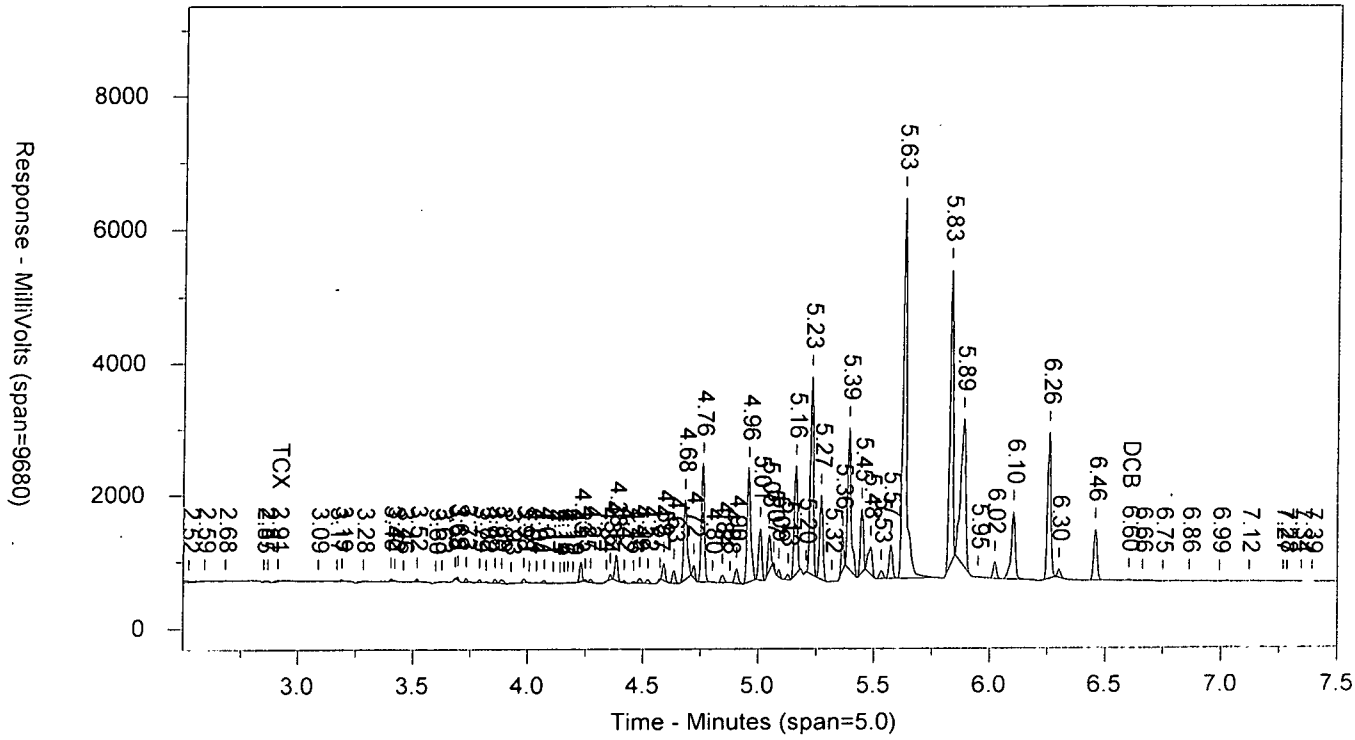

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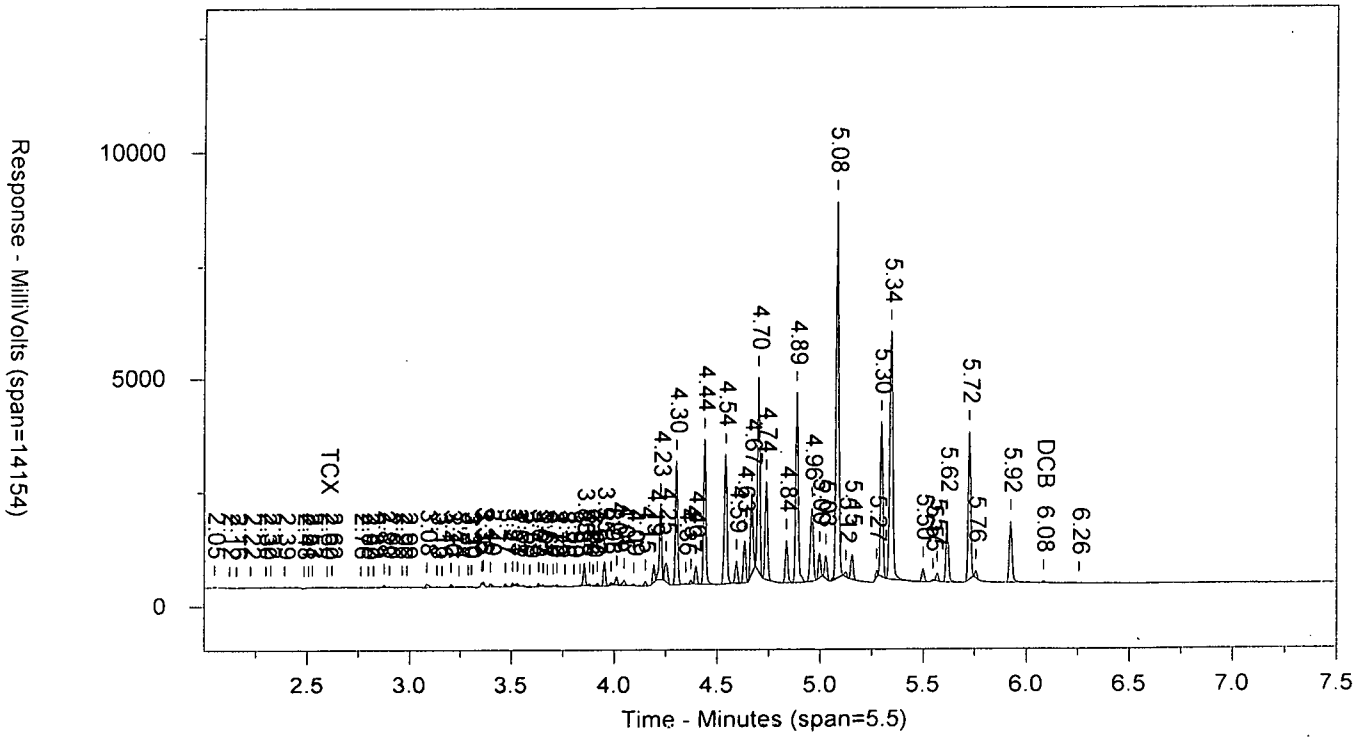

AR6231724A AAAR623AA ICAL 1728399999 10736 SW-846 8082

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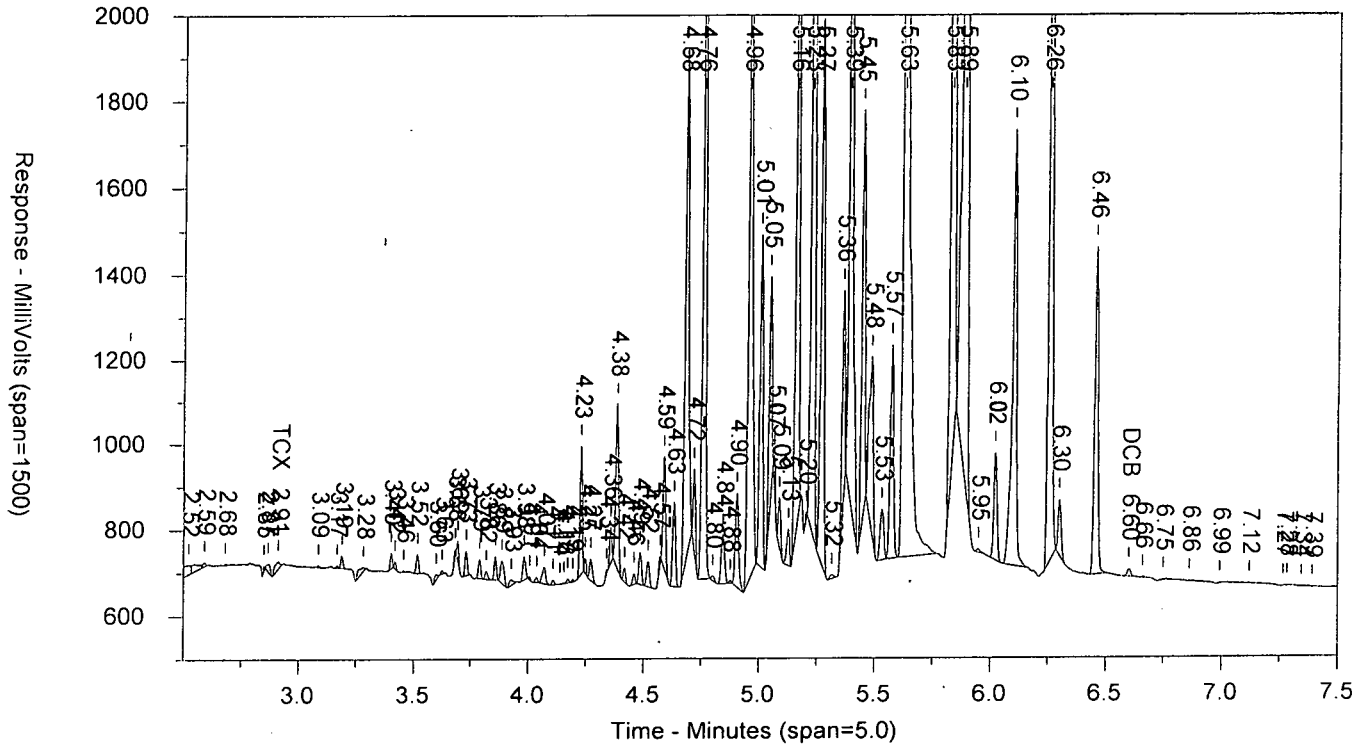

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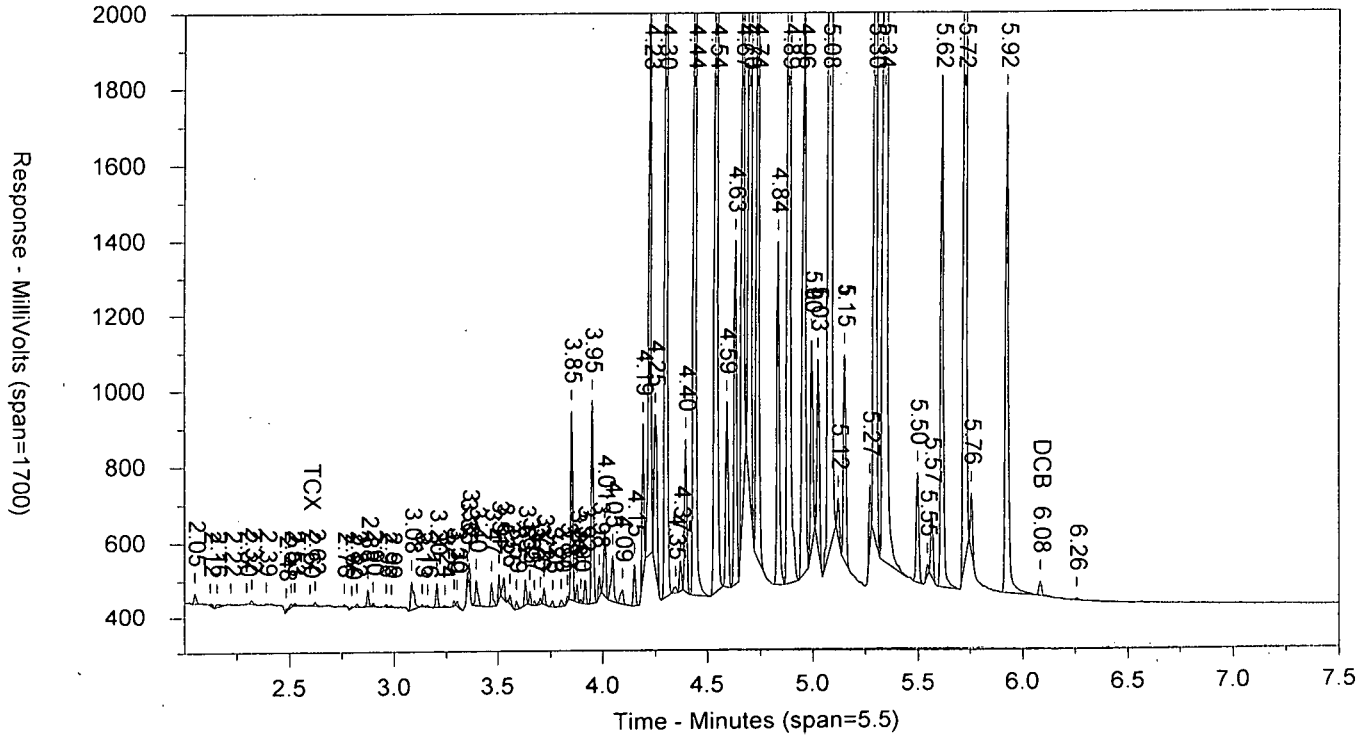

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 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: 07PCBS17284001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.515		1882	1541
1.576		24556	23266
1.613		6282	21536
1.749		1653	1919
1.809		4231	4030
1.886		1564	579
2.05		27260	41692
2.091		32224	45603
2.129		31604	47769
2.177		7061	17650
2.229		5171	3664
2.251		2464	1161
2.333		43816	29237
2.367		2869	2469
2.429		5533	5323
2.523		13534	37580
2.548		3537	4266
2.615		6914	5020
2.71		5338	3761
2.795		11592	14400
2.829		20004	22954
2.849		24244	10817
2.873		13170	13593
2.906		3463	6544
2.965	TCX	4987	3339
3.126		4330	3297
3.19		2480	1015
3.278		12576	25603
3.402		8034	4305
3.515		7396	5132
3.602		6016	6443
3.625		2559	1206
3.68		9415	4448
3.693		10122	5203
3.729		14086	11154
3.769		1475	382
3.789		11234	9023
3.831		2234	902
3.856		14536	10628
3.885		15375	16603
3.924		7311	7481
3.941		948	172
3.98		17931	12009
4.002		5482	3349
4.036		7447	5173
4.069		19679	19275
4.109		6245	3956
4.137		1585	760
4.172		8716	6594
4.197		1456	893
4.225		25423	19665
4.248		31599	19593
4.27		35534	33770

RT A	Compound A	Height A	Area A
4.33		2912	5060
4.374		23660	19207
4.394		9849	5604
4.414		3643	2342
4.473		2067	1566
4.518		15758	14134
4.567		15820	13349
4.603		13440	14429
4.632		17593	15919
4.68		9892	8147
4.713		11235	10525
4.758		8406	7252
4.801		7007	5868
4.842		17079	16721
4.878		8581	7051
4.901		4011	2225
4.956		26737	30280
5.006		72468	65529
5.041		17548	15758
5.123		3899	3467
5.158		42909	40379
5.226		1139436	1120210
5.268		90984	84597
5.314		3923	5017
5.333		1476	710
5.361		54101	42722
5.407		1409856	1438638
5.441		3917	2061
5.471		439217	443596
5.531		35606	36635
5.569		12627	12922
5.625		593738	506834
5.648		363731	270219
5.728		7981	7802
5.829		8615493	8147620
5.886		7592281	8011217
6.019		6717220	6624056
6.083		1677155	1857181
6.189		8412	9072
6.253		2448046	2400037
6.33		8135	8022
6.39		1384	610
6.454		17458820	16822140
6.6	DCB	2988613	3057140
6.663		6989	5405
6.739		2046	1115
6.909		6454	5560
6.998		1809	1678
7.022		1766	516
7.06		1524	319
7.377		1622	404
7.417		1907	1043
7.566		1519	411
7.698		1281	567
7.778		1059	998
7.949		1318	409
8.156		1446	496
8.194		1170	568
8.335		1405	541
8.355		1168	320
8.39		1109	886
8.533		1589	439
8.554		2355	1723

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 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: 07PCBS17284001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.505		3672	1762
1.534		3556	4727
1.609		7048	6084
1.701		16573	25047
1.714		25418	32630
1.772		24247	57501
1.795		21718	25085
1.818		27799	95086
1.899		82952	69463
1.921		23345	35791
1.967		19512	41735
2.023		15344	17803
2.084		2207	1528
2.125		13818	13557
2.157		5645	5781
2.182		3629	2566
2.223		10902	10277
2.321		18065	31887
2.386		7417	15605
2.415		10489	6903
2.484		21557	8098
2.51		11394	10914
2.525		4839	2892
2.601	TCX	9820	7508
2.69		10148	9459
2.778		9326	5697
2.814		574	2702
2.875		8032	10235
2.9		2677	2720
2.948		6427	8152
3.033		8132	15195
3.083		18945	17606
3.114		4258	3817
3.162		5031	5917
3.205		14817	14176
3.256		2281	859
3.271		2100	1079
3.289		2262	1177
3.306		12043	10506
3.353		11446	5361
3.363		14097	5544
3.397		17454	12756
3.47		20458	15178
3.505		22993	15060
3.529		24643	13502
3.545		6207	2980
3.567		5398	4426
3.604		4547	7252
3.631		30322	18841
3.653		10180	5479
3.675		5729	2981
3.702		3917	2342
3.719		23905	13724
3.76		10199	7106

3.809		5118	3832
3.83		12581	7630
3.853		49066	30515
3.876		40025	23637
3.915		16585	13277
3.951		11940	7519
3.985		36578	26888
4.012		17830	10396
4.047		15599	14509
4.083		9212	7128
4.125		2129	1332
4.15		14315	9847
4.183		8507	5913
4.21		18965	10335
4.302		20760	22051
4.341		12513	10847
4.371		16664	10233
4.392		3850	2198
4.412		15254	10001
4.438		33416	28003
4.539		133938	117826
4.588		32499	26565
4.633		63613	57316
4.667		12322	8880
4.699		1636443	1349644
4.737		116002	86922
4.836		85907	69417
4.885		2208655	1906789
4.951		602514	537841
5.012		25228	17682
5.081		970174	850393
5.153		578198	500287
5.235		5588	3587
5.273		67564	39147
5.297		9721103	8179456
5.345		9160653	7998464
5.497		8643405	7449420
5.566		2243786	1874890
5.615		190615	162280
5.723		3620238	3263384
5.848		16903	17566
5.924		28385350	25360920
6.082	DCB	5626879	5140351
6.242		3380	1438
6.257		13744	11724
6.42		17163	17425
7.024		3219	5513
7.637		1561	2666
8.078		1602	2975
8.161		10657	19189
8.421		1225	1146

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

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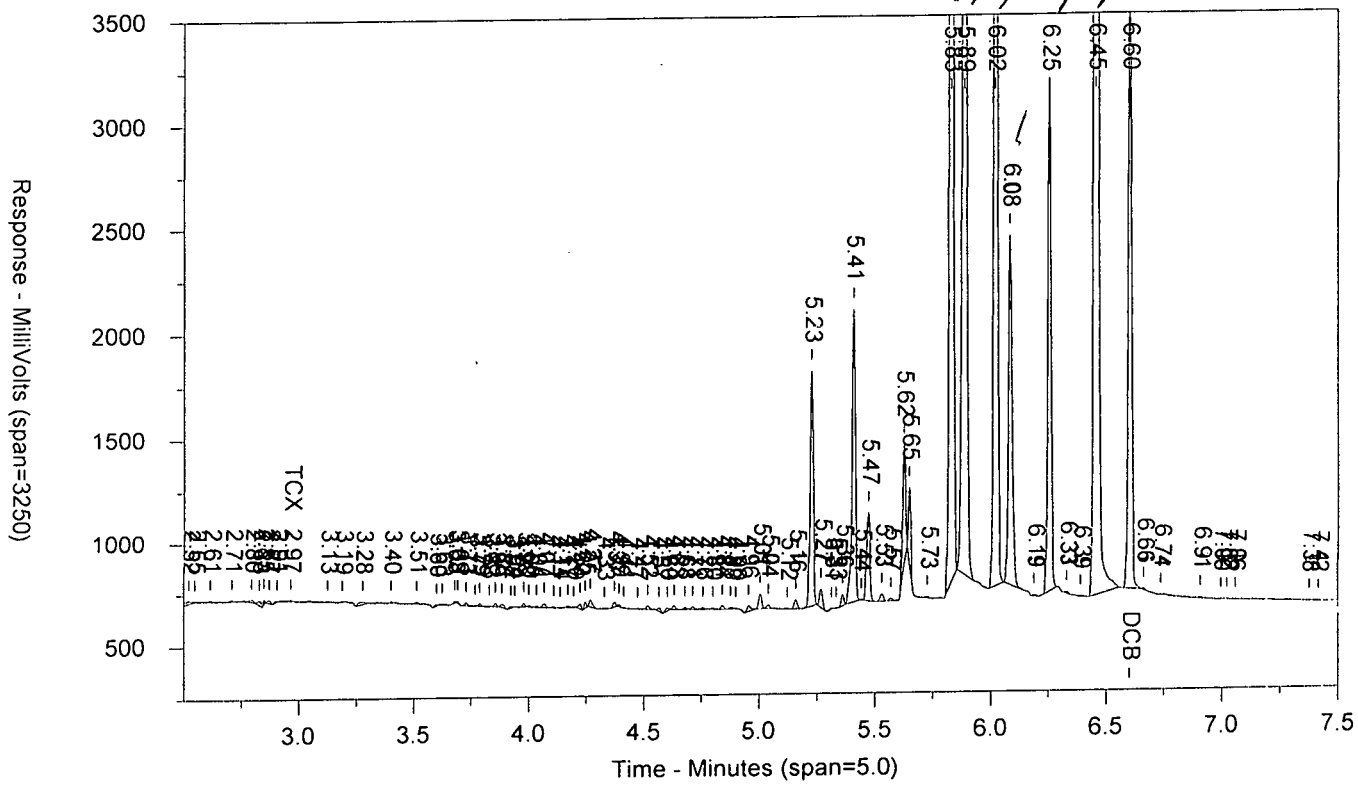

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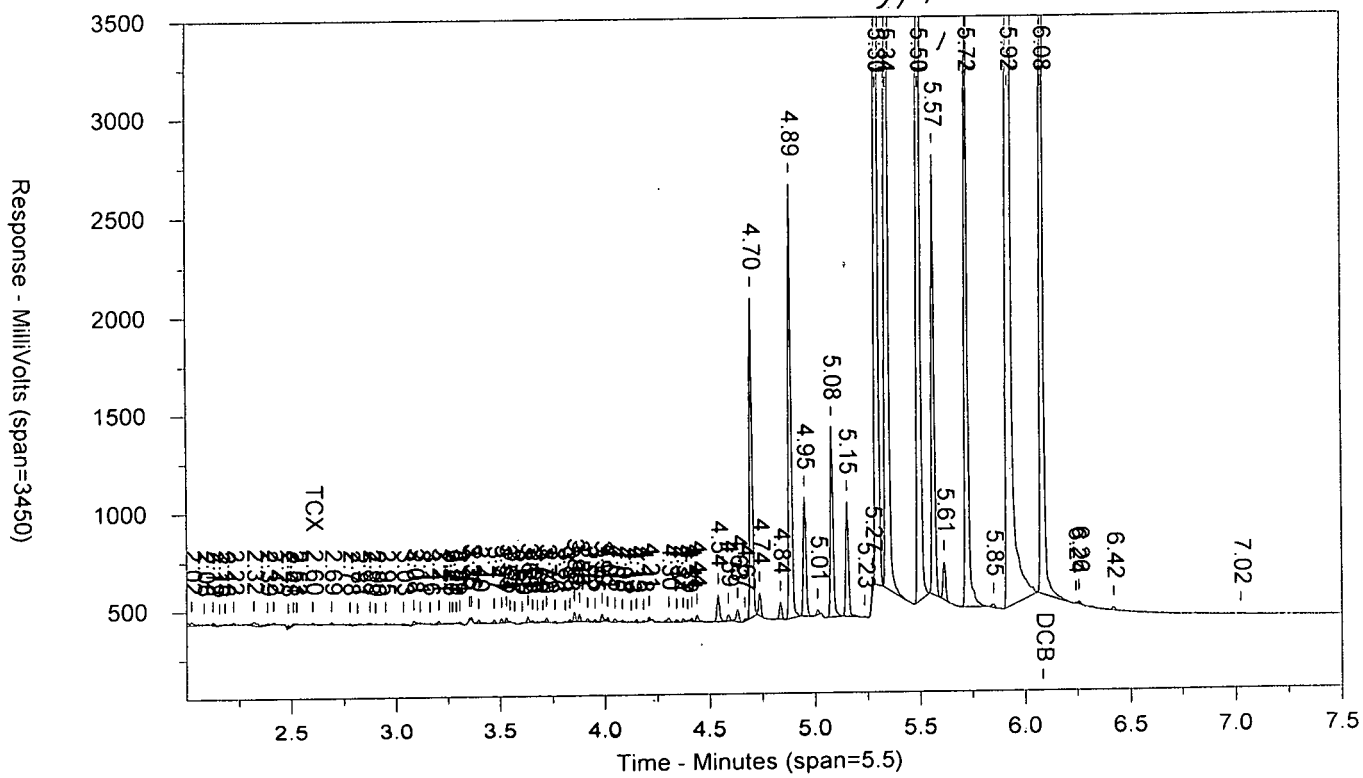

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/11/2017 11:48:54 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
2.965	4987	.018	TCX	2.601	9820	.024	TCX
6.6	2988613	14.811	DCB	6.082	5626879	14.864	DCB

Files:
Area File: 07PCBS17284001.0026.RAW
Area File: 07PCBS17284001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/11/2017 11:57:37 PM
File Reported On: 10/11/2017 at 11:57:45 PM

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

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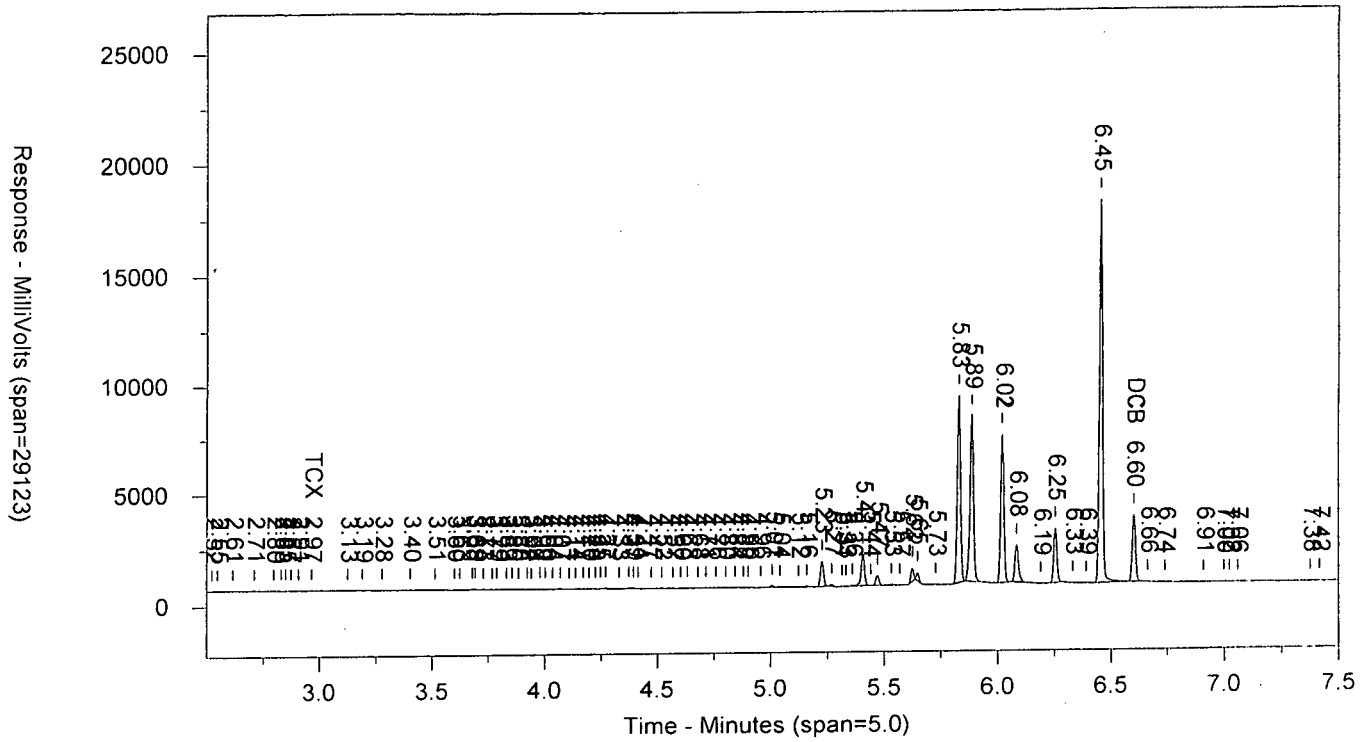

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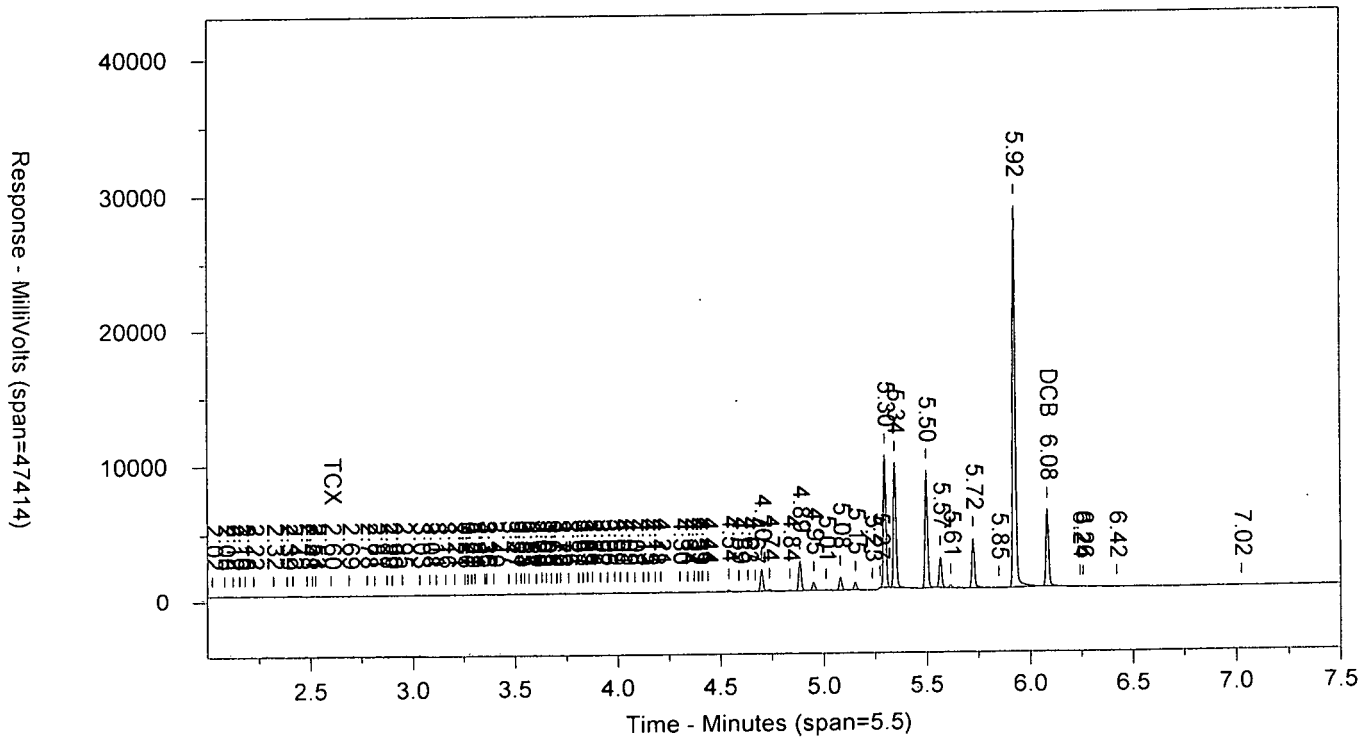

AR6831724B AAAR683AA ICAL 1728399999 10736 SW-846 8082

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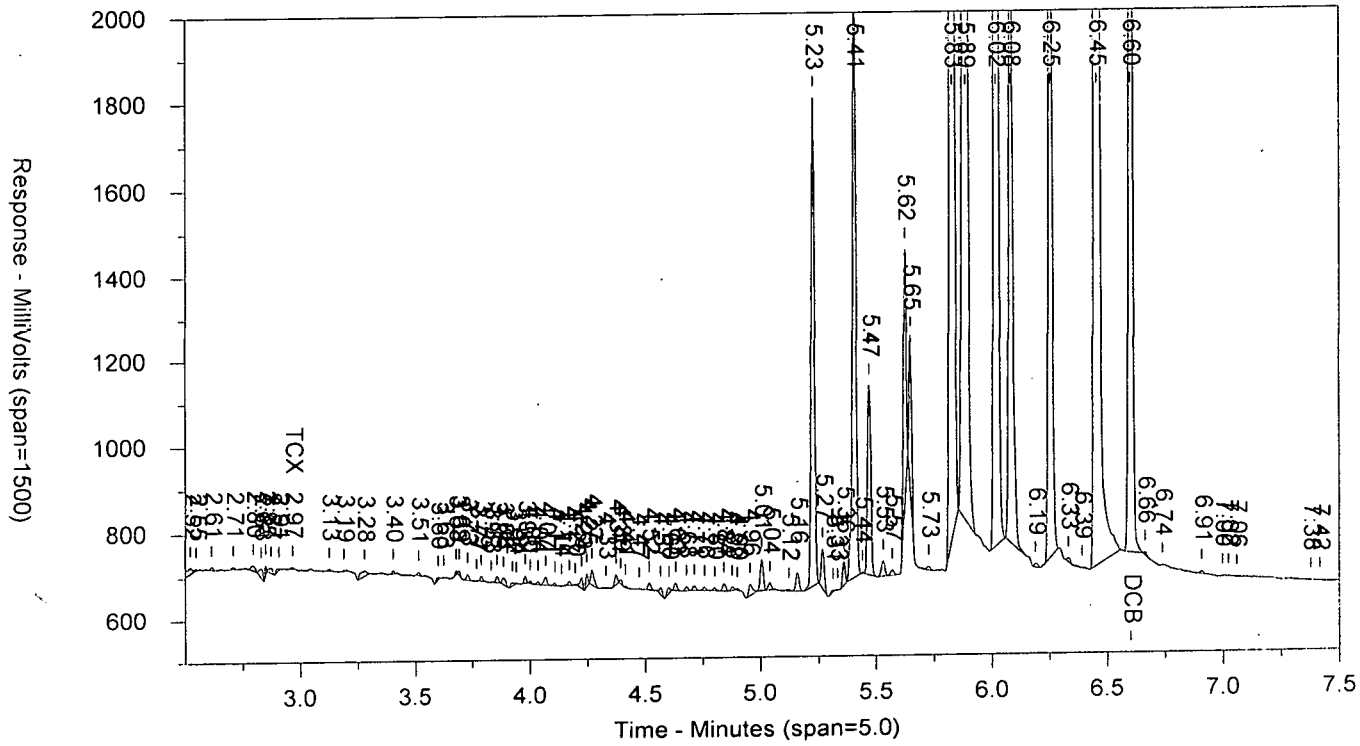

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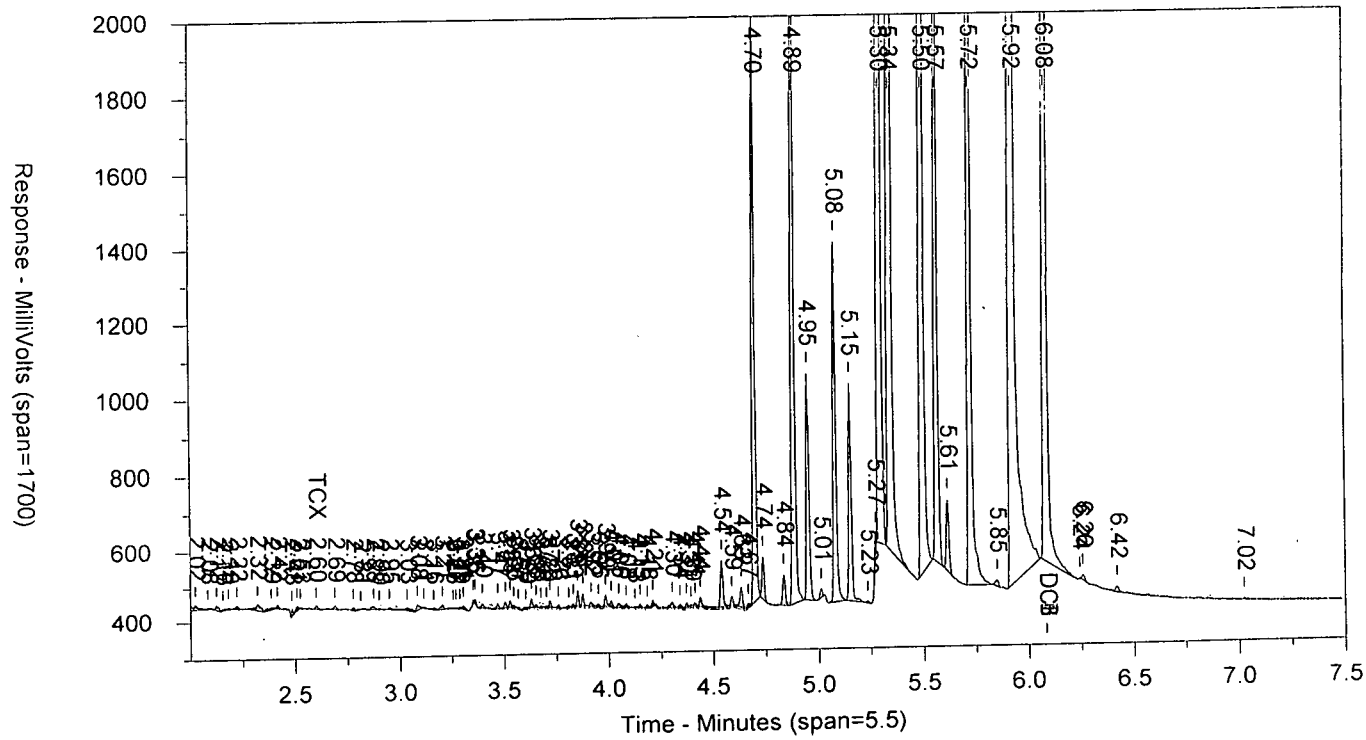

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 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: 07PCBS17284001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.579		30172	34483
1.646		3674	52984
1.74		2001	2223
1.786		2056	2242
1.878		1603	894
2.008		25726	60482
2.054		19720	31023
2.09		4872	6969
2.172		3444	5139
2.234		66628	56714
2.334		13115	7644
2.499		8427	11020
2.575		333049	240077
2.711		2711	1681
2.786		5409	6981
2.85		90102	58916
2.9		9360	7843
2.937	TCX	11542730	7627518
3.037		4866	4023
3.086		495885	405040
3.141		434721	366135
3.188		1345711	931153
3.264		37850	24612
3.282		8934	4849
3.403		70642	39563
3.425		43042	33777
3.456		9982	4820
3.484		184094	125966
3.517		103008	71730
3.573		47153	30031
3.597		10700	7964
3.626		26446	13854
3.64		27670	13987
3.666		8511	4472
3.683		36418	19719
3.694		101930	51017
3.731		134324	100457
3.79		89578	65446
3.833		2165	1147
3.858		41438	29477
3.885		26620	29175
3.927		5208	5594
3.944		1310	452
3.981		33516	24139
4.006		8927	5627
4.037		8148	5609
4.071		52425	42545
4.109		6549	4484
4.153		1163	327
4.173		9609	8385
4.195		1861	1024
4.211		1501	396
4.228		55909	38009

RT A	Compound A	Height A	Area A
4.249		38629	23166
4.272		38244	36579
4.324		1389	973
4.342		9985	7986
4.383		65614	85428
4.418		17906	11551
4.456		9577	7651
4.485		8625	8201
4.522		20455	17101
4.571		46930	36879
4.604		21793	20333
4.634		73401	62488
4.681		10717	8426
4.698		2114	827
4.717		10551	8459
4.757		25013	23265
4.807		4241	3389
4.845		38003	34100
4.879		3043	1719
4.904		12865	24459
4.959		15245	11651
4.999		6623	5997
5.044		22014	22693
5.09		2849	1786
5.123		8695	8238
5.162		32835	34713
5.202		2145	1259
5.228		4599	3561
5.27		18219	25170
5.321		4817	9098
5.342		2500	1134
5.369		7416	6339
5.39		3749	1940
5.436		1415	3289
5.446		1969	1156
5.489		2220	2931
5.527		2706	1536
5.569		4852	5287
5.592		2247	682
5.651		31988	41290
5.733		4224	6392
5.831		13276	12526
5.879		2532	952
5.959		10477	22935
6.021		105434	106665
6.053		1747	541
6.085		95264	101873
6.19		6508	6545
6.257		9213	22821
6.378		1352	560
6.456		109682	102857
6.492		2310	720
6.602	DCB	8409661	8286884
6.9		1849	944
6.943		1730	652
6.993		1434	760
7.048		5051	4993
7.214		2115	1538
7.27		1423	568
7.294		2103	1282
7.401		1505	376
7.494		1848	664
7.626		819	278
7.742		1881	594
7.782		1888	573
7.808		1122	539

RT A	Compound A	Height A	Area A
8.093		1590	408
8.137		1014	452
8.164		1892	817
8.234		1673	903
8.36		1638	1118
8.468		2010	715
8.507		1284	647
8.572		1742	896
8.676		1538	391

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 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: 07PCBS17284001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.532		2966	2285
1.605		2546	2296
1.711		4964	7756
1.751		4484	4354
1.796		6639	6072
1.818		5044	5058
1.903		111038	99953
1.967		17714	47210
2.03		39197	37519
2.124		8922	10012
2.157		6306	6649
2.221		5367	5359
2.276		533888	409656
2.387		5346	3664
2.417		4784	3497
2.485		15254	5715
2.506		10492	11396
2.526		5378	3096
2.548		176222	114377
2.591	TCX	17843870	10980710
2.634		154885	115610
2.69		4793	3603
2.763		838994	559753
2.809		164233	75064
2.824		522058	289740
2.876		2017705	1284792
2.926		47037	27701
2.987		16692	10924
3.034		2751	2479
3.062		6804	2980
3.084		83162	41901
3.095		45023	53726
3.126		75011	53369
3.156		15019	9133
3.182		252816	150428
3.206		142004	86572
3.242		12752	7004
3.27		79223	42710
3.289		42315	20414
3.304		50372	25296
3.354		51058	26658
3.363		142744	63702
3.397		157214	123023
3.47		136559	88995
3.506		63261	38633
3.529		39311	21238
3.547		9497	4541
3.597		6253	4954
3.632		55253	33983
3.654		19854	10577
3.677		8871	4147
3.704		7079	4244
3.722		65403	41938
3.761		11755	7368

3.815		7324	5764
3.832		14241	7177
3.854		116494	77061
3.878		37716	21279
3.897		8355	3766
3.918		30973	19724
3.953		76167	53281
3.985		37039	21677
4.001		14297	16575
4.048		22719	21676
4.096		14753	8686
4.125		4213	3570
4.152		56431	39391
4.186		15869	12080
4.212		99946	76830
4.251		7466	7167
4.304		47842	40925
4.34		7797	8300
4.373		40475	27927
4.396		10162	5853
4.44		35610	29077
4.494		3091	2292
4.537		23648	22620
4.59		27569	23713
4.635		17607	24989
4.669		51512	47986
4.699		2892	1326
4.736		4088	3899
4.816		3030	3362
4.889		10459	7970
4.912		11549	10558
4.964		4835	6722
4.998		2413	1455
5.031		5115	4369
5.059		3716	2265
5.083		12027	11962
5.154		22527	18512
5.195		5972	8784
5.275		6182	4818
5.299		5208	3449
5.342		9886	8489
5.391		1256	2998
5.499		121086	106494
5.567		110868	102028
5.617		6561	5151
5.695		1261	576
5.727		6731	8349
5.878		3561	3235
5.926		168553	147005
5.955		3919	2463
5.979		2187	1348
6.085	DCB	14987920	13697000
6.262		6546	4042
6.536		12405	15187
6.812		2561	3292
8.162		10653	18872

AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

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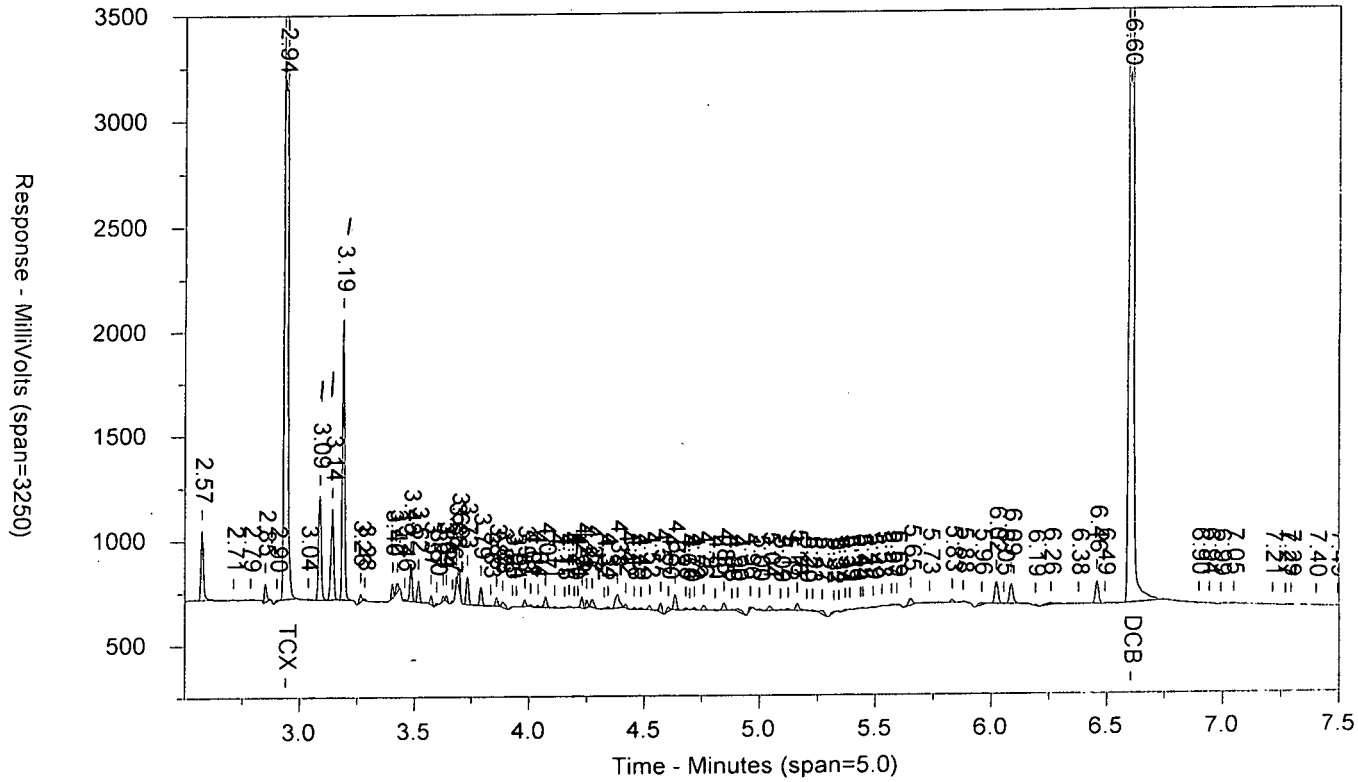

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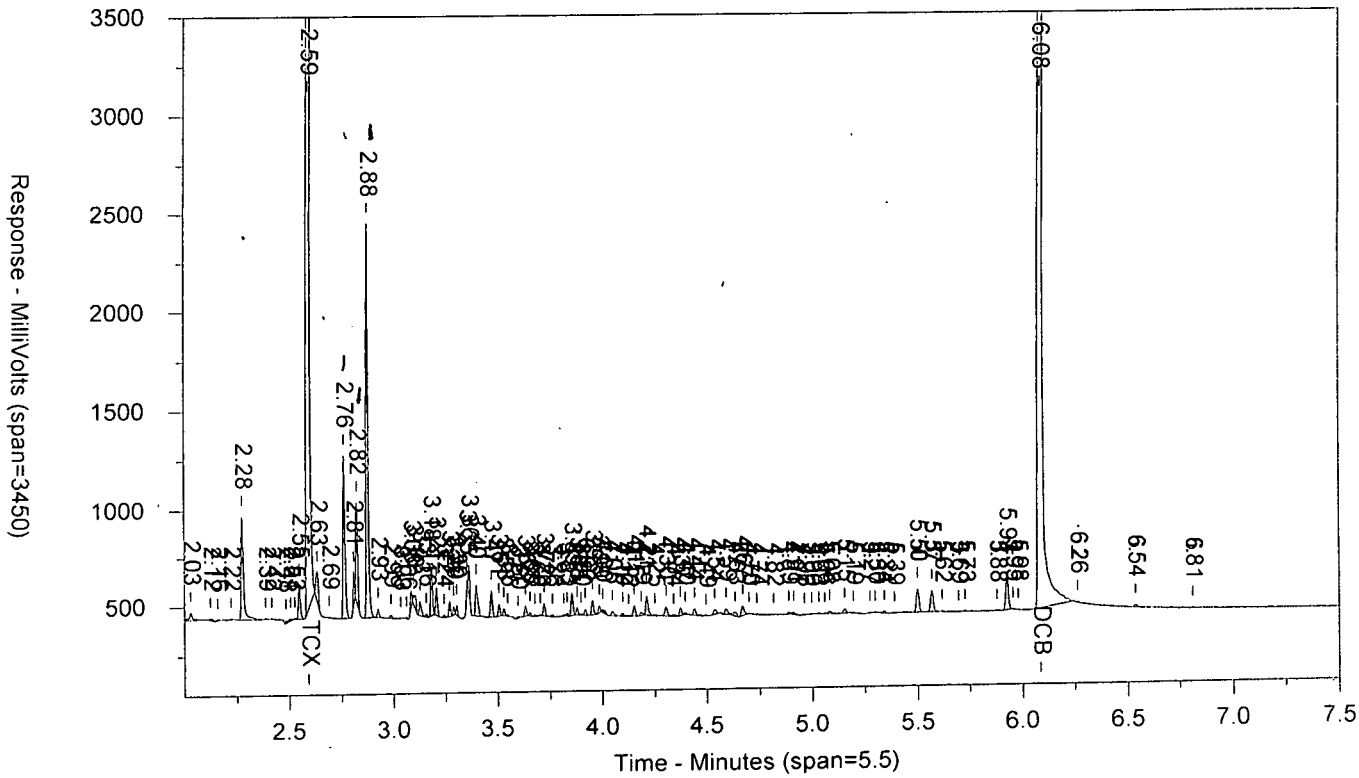

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:00:22 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	11542730	42.108	TCX	2.591	17843870	43.046	TCX
6.602	8409661	41.676	DCB	6.085	14987920	39.592	DCB

Files:
Area File: 07PCBS17284001.0027.RAW
Area File: 07PCBS17284001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:09:06 AM
File Reported On: 10/12/2017 at 12:09:13 AM

AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

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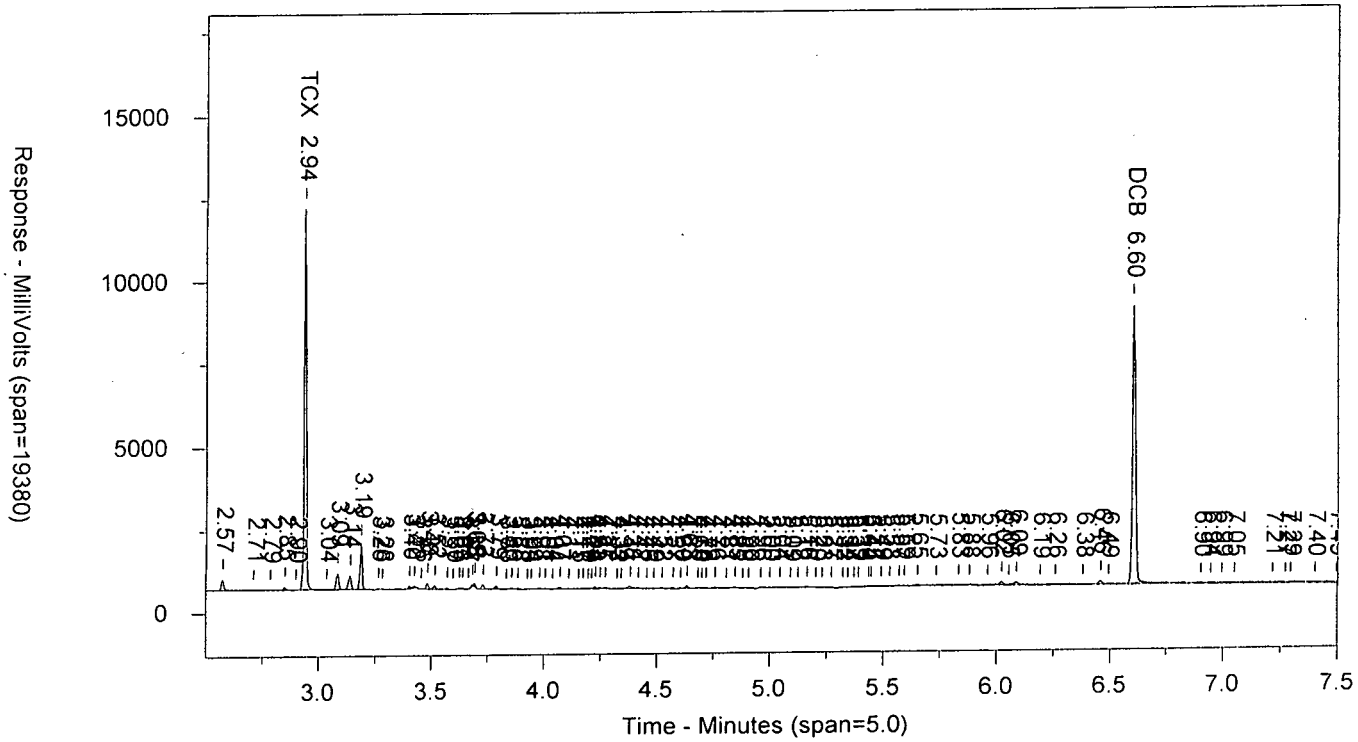

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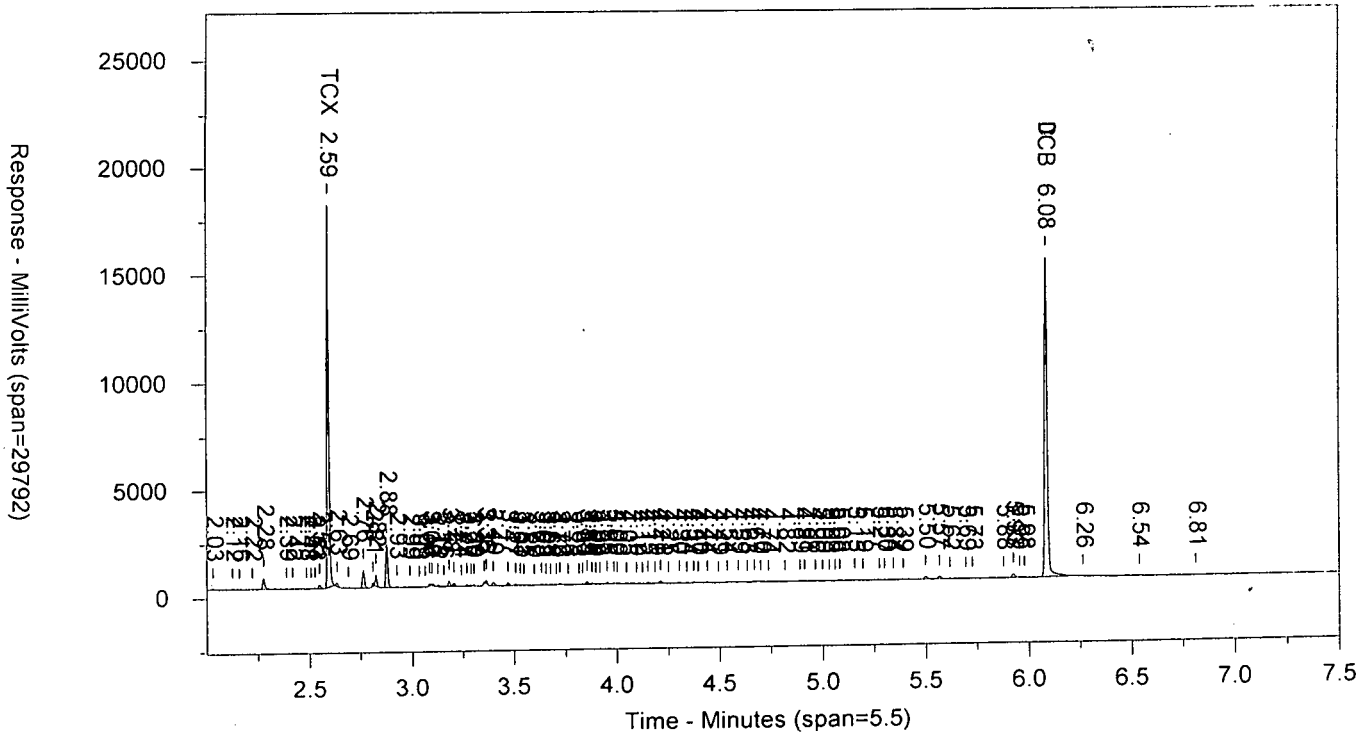

AR2131724A AAAR213AA ICAL 1728399999 10736 SW-846 8082

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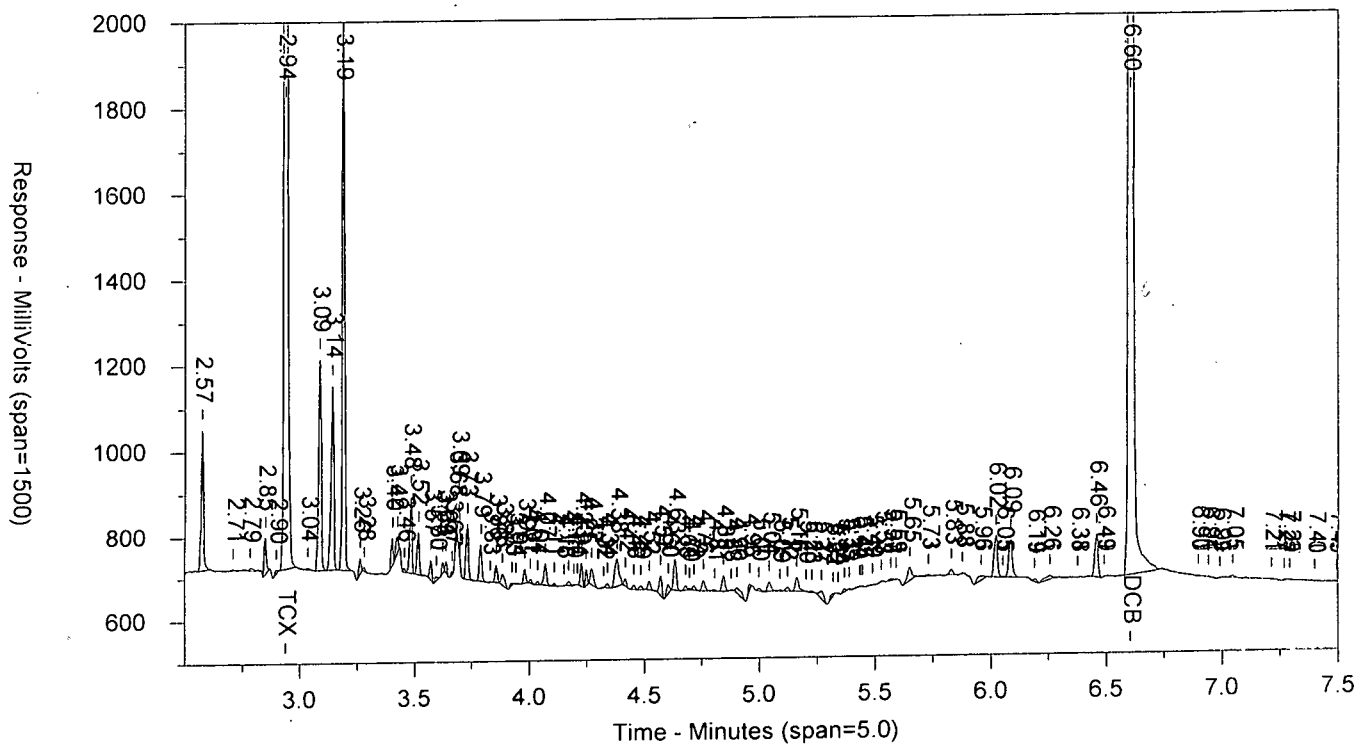

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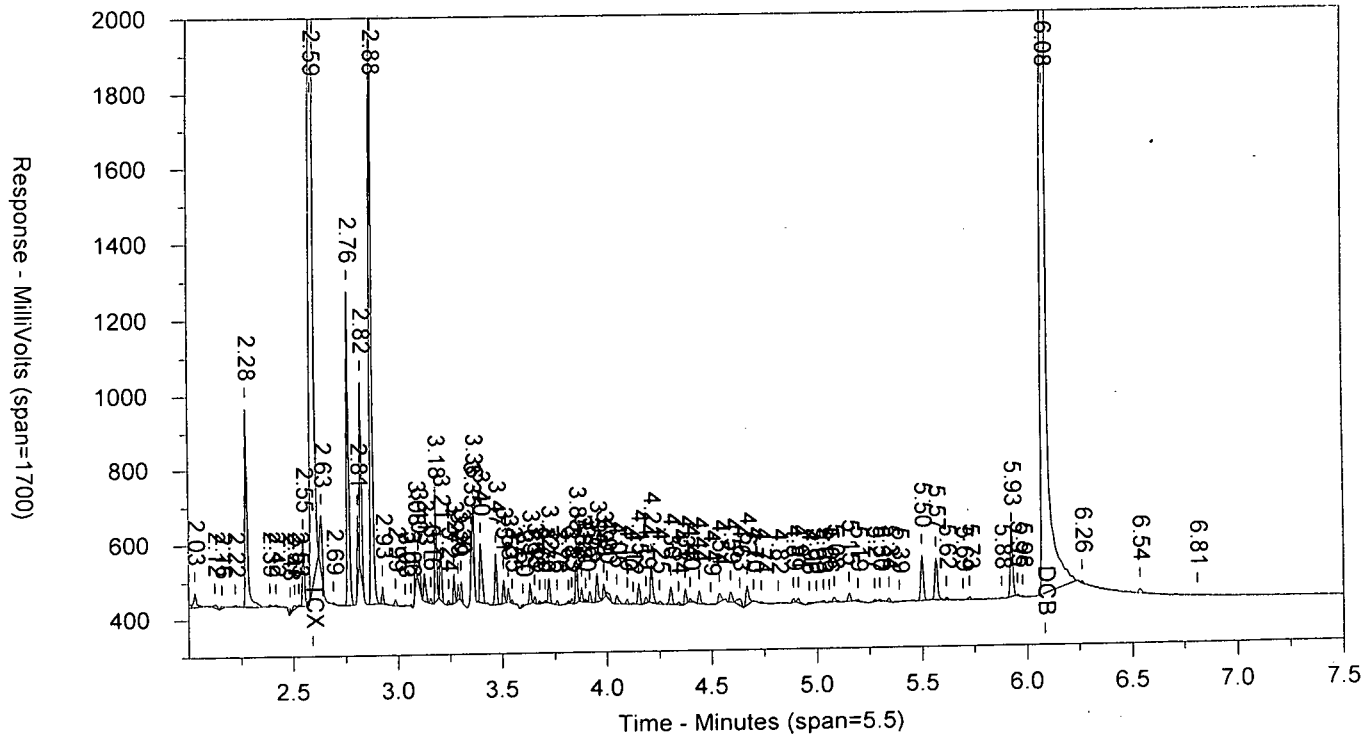

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 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: 07PCBS17284001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.513		2287	1856
1.578		39032	35606
1.613		27483	63945
1.649		8669	7207
1.736		2336	1402
1.92		2483	2128
2.061		29038	66257
2.091		24056	47244
2.129		6868	4788
2.235		51927	36627
2.333		30292	32084
2.434		3792	4379
2.524		21519	59144
2.544		25497	30727
2.575		203756	156748
2.705		2936	1602
2.789		10764	13464
2.849		70695	43764
2.902		9596	10052
2.937	TCX	10232900	6874176
3.038		5338	6547
3.086		336617	290908
3.141		333294	291476
3.189		1121102	817520
3.264		26855	17434
3.282		54165	32916
3.403		455398	272872
3.419		227156	123922
3.456		54988	29975
3.484		124617	88489
3.517		553049	404858
3.573		35550	23085
3.594		26622	17954
3.626		133507	73688
3.64		70448	35285
3.683		289881	150640
3.694		502219	255838
3.731		669615	505903
3.79		547486	408729
3.832		40621	27823
3.859		332801	236413
3.886		258809	210665
3.906		44964	22286
3.981		375507	270729
4.005		153254	98016
4.037		159352	113654
4.07		436889	418956
4.109		137087	109712
4.156		24913	16182
4.172		5478	2194
4.195		38238	26767
4.228		283261	196264
4.248		386831	238805

RT A	Compound A	Height A	Area A
4.271		484084	350251
4.327		12907	7683
4.339		7373	4270
4.376		279529	216313
4.396		159564	96441
4.417		48561	28749
4.458		9769	6843
4.481		14653	11965
4.522		74566	63172
4.572		109263	89616
4.604		72305	58229
4.634		164962	141197
4.68		10009	7814
4.715		79541	75549
4.759		19426	20615
4.805		15203	13583
4.846		93769	87717
4.883		4174	3149
4.903		4548	3564
4.958		16240	12385
4.998		2877	1491
5.043		77571	81341
5.12		12091	12048
5.162		30157	31931
5.201		2110	1081
5.227		9021	7966
5.271		15989	15730
5.33		4292	15915
5.37		5125	4318
5.389		8405	6595
5.433		1733	2727
5.444		3404	2350
5.492		3328	4498
5.528		9145	9705
5.569		6371	7227
5.63		8117	6653
5.651		27698	25690
5.708		1392	322
5.733		2669	1726
5.831		25810	24562
5.877		1930	745
5.954		3260	5034
6.022		110018	108967
6.086		101819	112771
6.256		13463	26676
6.288		1576	768
6.335		2153	914
6.388		2852	2235
6.428		1422	1188
6.457		92750	91268
6.488		1360	392
6.523		1664	578
6.563		1380	840
6.602	DCB	7690758	7745340
6.785		2359	1201
6.943		1646	572
6.992		1650	731
7.046		5474	6908
7.476		1258	708
7.584		1586	469
7.61		1901	759
7.755		1716	520
7.784		1775	520
7.828		1801	440
8.107		1406	592
8.221		1524	703

RT A	Compound A	Height A	Area A
8.27		1491	430
8.288		1359	532
8.355		852	417
8.41		1481	1319
8.476		1755	890
8.516		1263	848
8.546		1544	415
8.568		2131	2931
8.659		1210	734

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 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: 07PCBS17284001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		2819	2843
1.556		6202	5572
1.607		2960	2151
1.748		5393	13340
1.795		9397	9571
1.818		12619	14661
1.871		9459	28035
1.903		107439	103975
1.969		15291	45846
2.03		37749	37312
2.124		12571	13367
2.16		5441	5388
2.178		7265	4820
2.223		9276	8317
2.275		326170	227489
2.32		7806	5902
2.387		21990	17661
2.415		8800	5522
2.484		24347	9945
2.508		9763	8886
2.525		10995	5934
2.547		100302	63076
2.591	TCX	16028250	9886871
2.634		120335	78634
2.69		6847	4781
2.763		582338	405240
2.809		140343	66642
2.824		379933	208891
2.876		1624329	1069949
2.926		38770	21928
2.987		95012	60085
3.034		5496	4451
3.084		832196	864178
3.135		103818	76174
3.156		46487	26454
3.181		177065	101860
3.205		806459	534434
3.243		39508	24013
3.269		50175	24923
3.289		206316	106703
3.304		129281	63061
3.354		349106	178833
3.363		708674	322690
3.384		23061	8489
3.397		812733	568447
3.471		821609	520933
3.507		494604	312040
3.53		555914	310536
3.547		185196	90645
3.6		4964	6401
3.632		650247	426865
3.654		263398	138724
3.675		232682	139572
3.704		154846	79569

3.721		576384	353953
3.762		209418	151977
3.811		38192	24080
3.832		339431	212214
3.855		710021	454756
3.878		649088	425537
3.917		39313	21753
3.936		16979	7014
3.952		137871	85435
3.986		417977	295178
4.014		279416	172442
4.048		9357	5214
4.06		11410	5972
4.096		73240	55138
4.125		8106	5276
4.152		147124	110319
4.184		88640	61487
4.212		212372	164026
4.252		5964	5762
4.29		14545	7826
4.304		82795	52717
4.341		23274	17763
4.373		122943	88771
4.395		5494	2920
4.413		6217	3738
4.44		28230	18056
4.463		11034	7225
4.494		5416	3694
4.539		25275	33342
4.589		127253	103454
4.637		18880	16220
4.669		44547	39932
4.701		9366	6446
4.738		7706	6603
4.816		2195	1461
4.889		19101	15180
4.911		6244	4755
4.962		9526	8841
4.999		3803	3312
5.032		11338	8600
5.06		2894	1853
5.083		31349	28514
5.154		34320	28391
5.193		6136	10173
5.276		8054	6272
5.297		6475	4350
5.343		22704	22917
5.449		3927	4871
5.499		125646	109610
5.567		119698	103641
5.616		11085	9291
5.725		11212	10224
5.875		3090	2392
5.925		149874	131836
5.956		4429	2682
6.084	DCB	14119310	12817730
6.535		12403	9841
6.707		2434	2500
8.163		10591	20205

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

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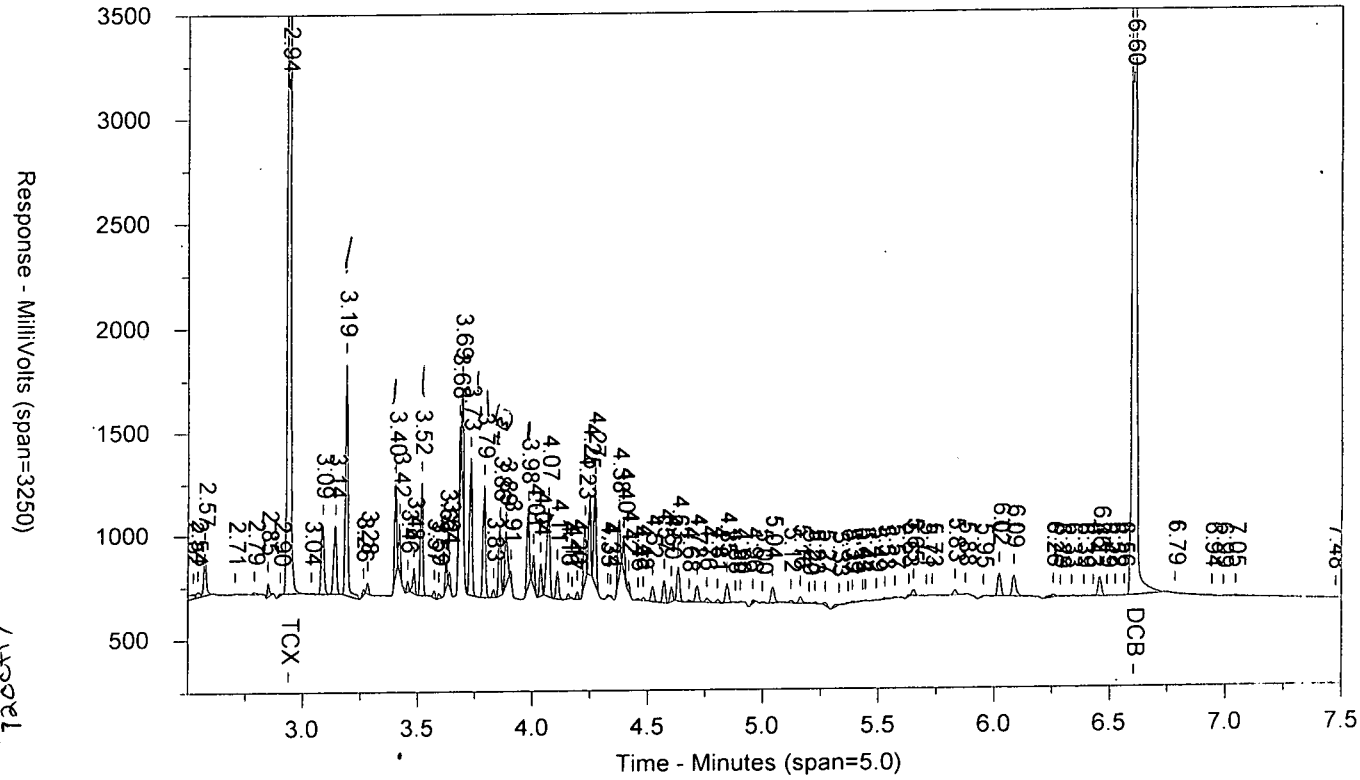

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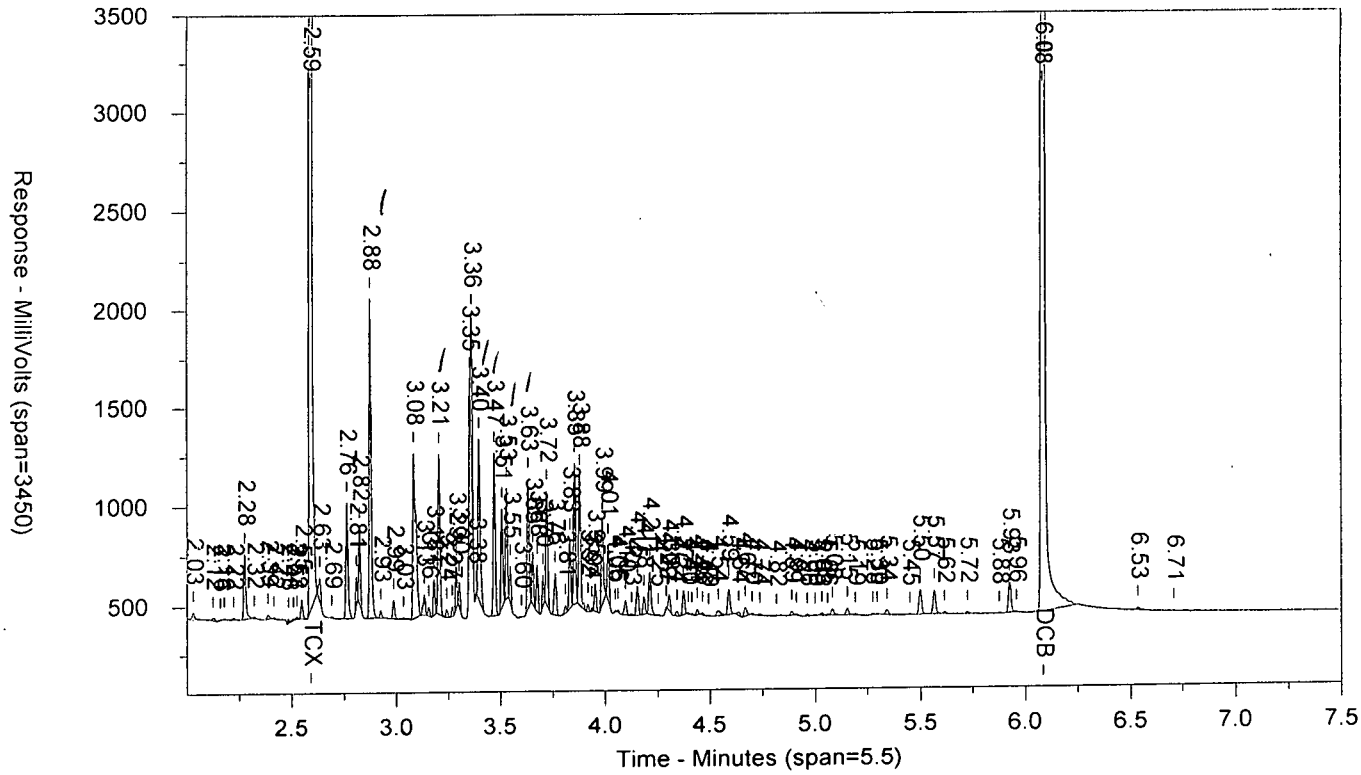

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:11:50 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	10232900	37.33	TCX	2.591	16028250	38.666	TCX
6.602	7690758	38.114	DCB	6.084	14119310	37.298	DCB

Files:
Area File: 07PCBS17284001.0028.RAW
Area File: 07PCBS17284001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:20:35 AM
File Reported On: 10/12/2017 at 12:20:43 AM

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

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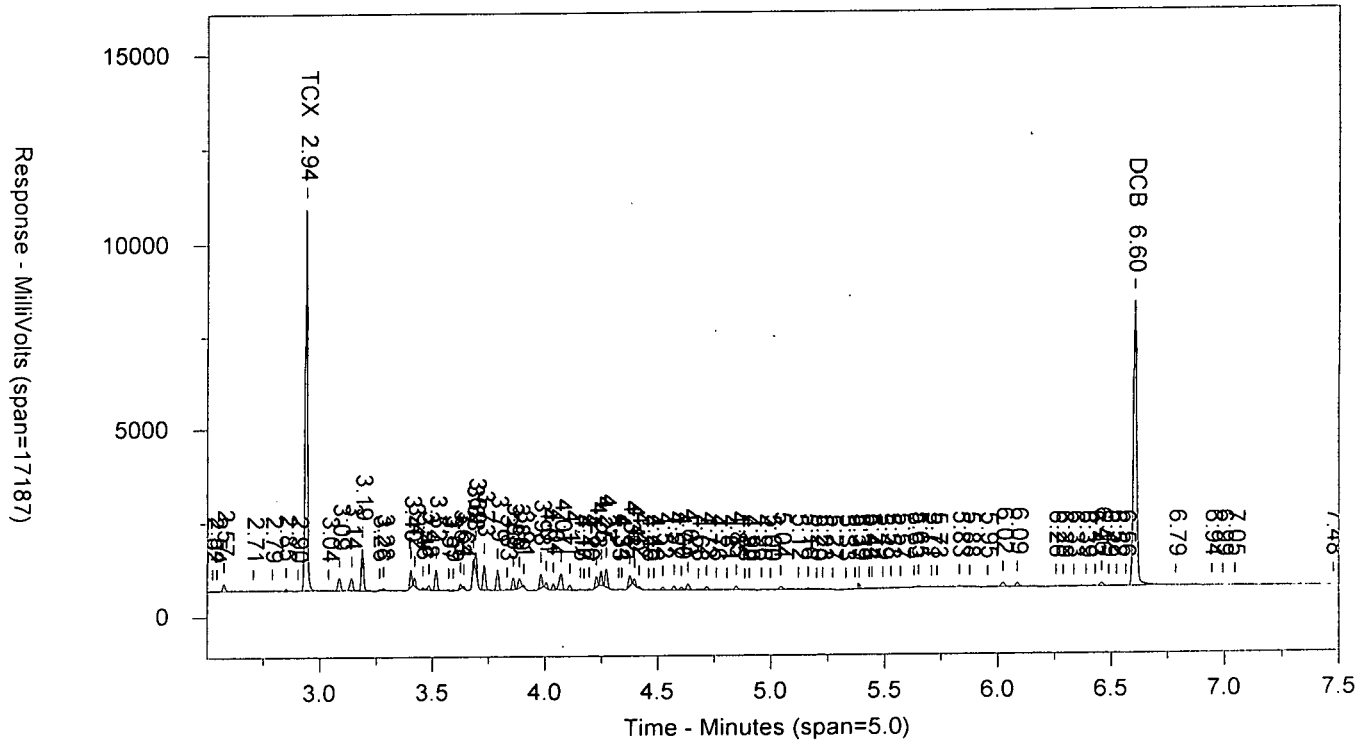

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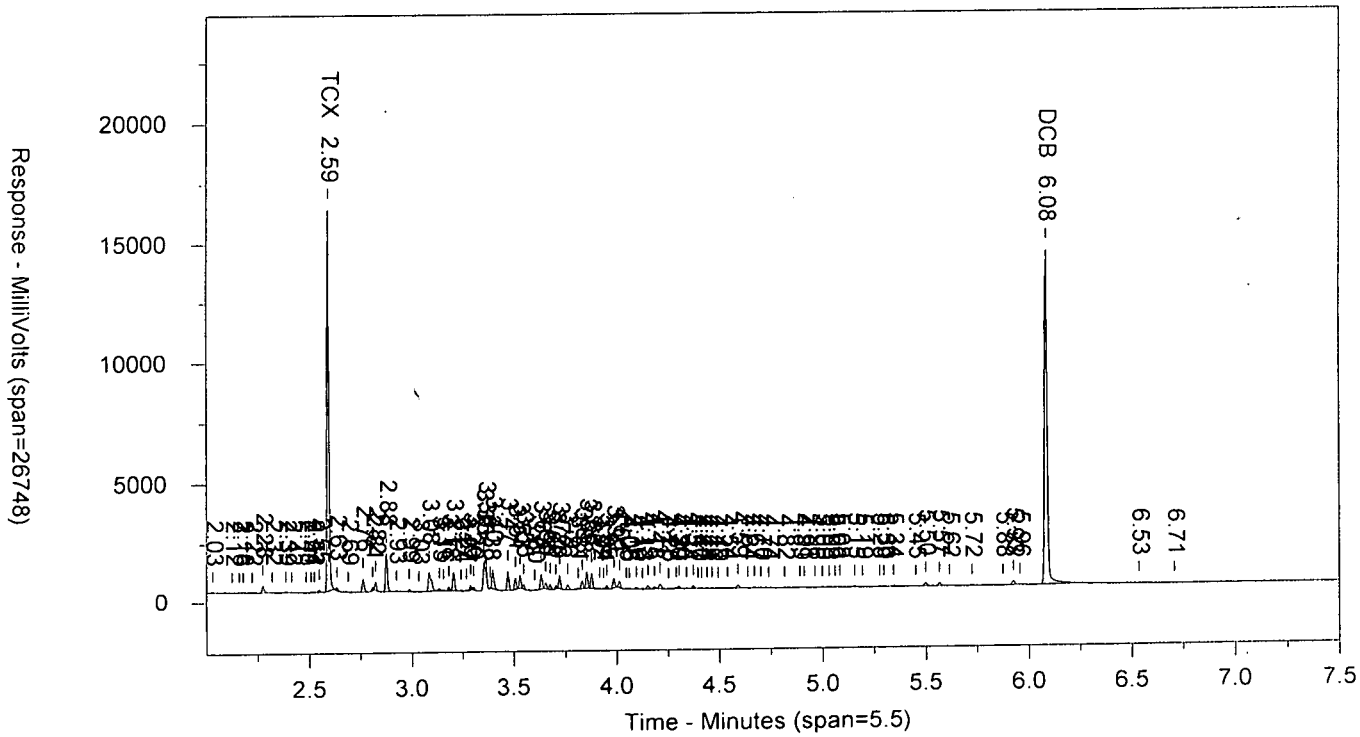

AR3241724A AAAR324AA ICAL 1728399999 10736 SW-846 8082

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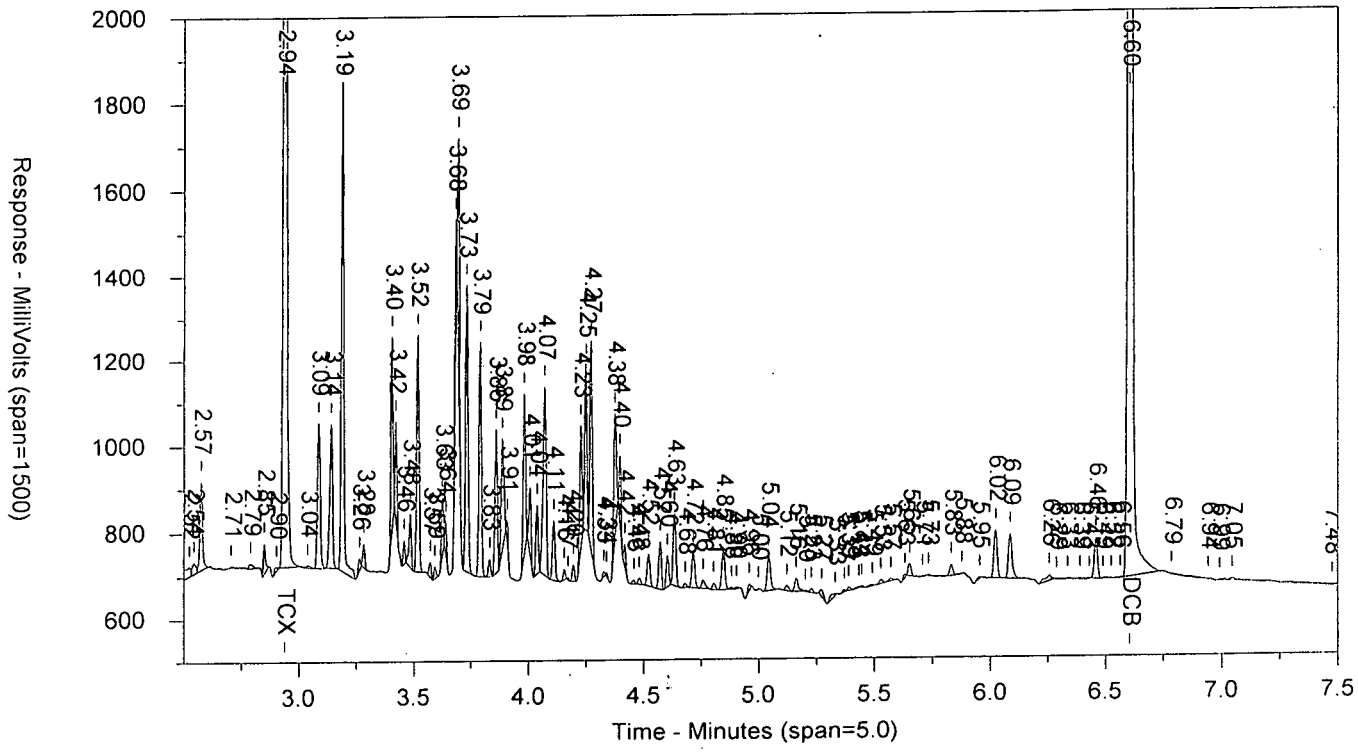

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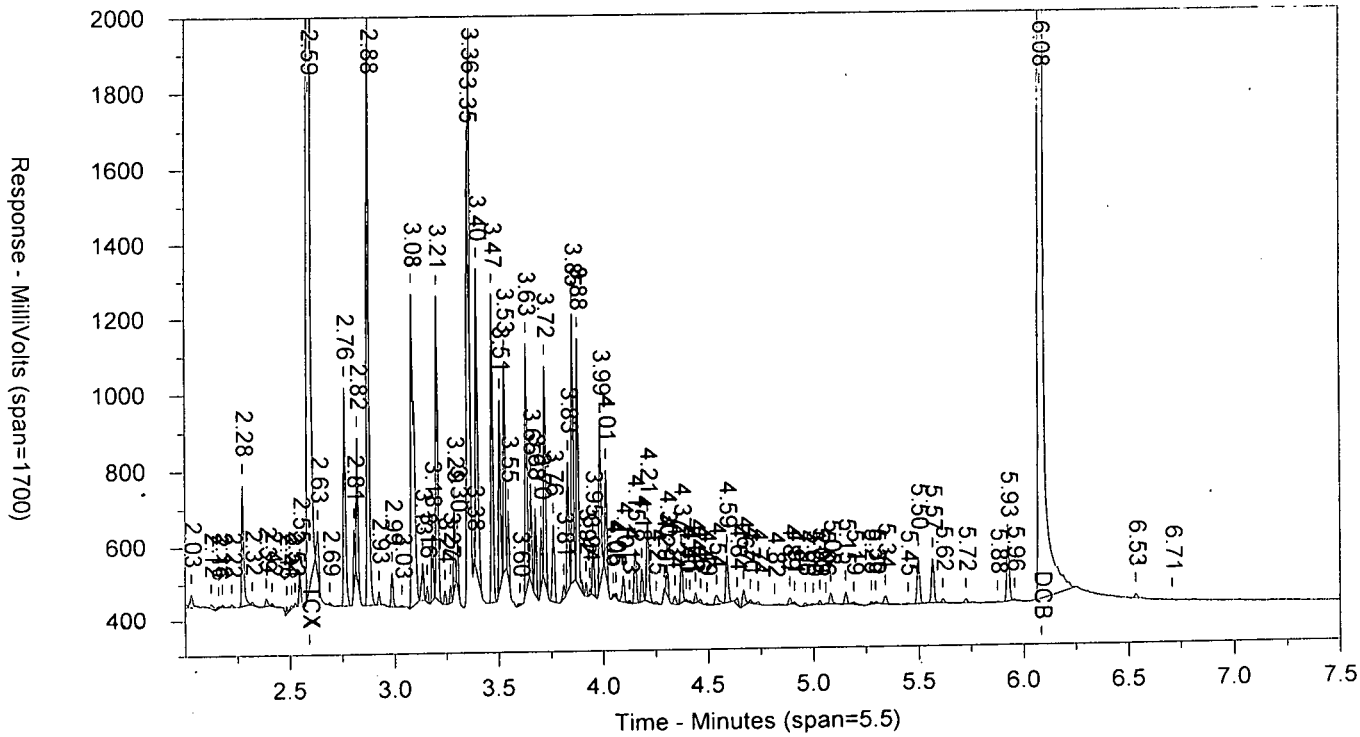

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 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: 07PCBS17284001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.579		20627	20315
1.61		16746	31502
1.649		9318	11186
1.781		2992	2638
1.811		2524	1604
1.917		4048	3232
2.052		78653	92381
2.087		11854	12353
2.163		1815	723
2.209		4327	2729
2.234		91956	60821
2.334		37661	23261
2.343		38122	22646
2.503		36590	50323
2.542		28045	35795
2.575		27622	39883
2.66		19961	12928
2.787		3802	1808
2.866		38116	56360
2.937	TCX	19389820	12982620
3.086		257057	235994
3.141		350113	364301
3.189		1338658	933322
3.265		49271	33159
3.282		172623	109169
3.321		4099	2558
3.403		1354105	801789
3.42		658995	348058
3.456		172505	97665
3.472		27262	10026
3.484		99851	49169
3.517		1612994	1198009
3.553		8590	4343
3.572		87963	54988
3.595		72313	52498
3.626		391216	216269
3.641		213682	102843
3.683		885245	466840
3.694		1805522	871539
3.731		2019927	1497060
3.79		1732960	1265566
3.831		139943	96843
3.859		1137938	795027
3.886		871807	733984
3.907		138243	65747
3.955		2499	843
3.981		1319686	923264
4.005		496114	320076
4.037		546956	380813
4.07		1486828	1399275
4.109		464252	365966
4.156		103417	85564
4.196		142077	108619

RT A	Compound A	Height A	Area A
4.227		967900	661634
4.249		1157556	724716
4.271		1637481	1203546
4.328		36964	21534
4.341		48048	29338
4.375		945621	733916
4.396		528140	316945
4.418		236248	146315
4.458		16384	10472
4.481		65036	49773
4.522		292320	268599
4.571		371057	306973
4.604		294800	224927
4.634		650281	573009
4.683		7241	4617
4.716		301334	280653
4.759		45483	58065
4.805		75769	66748
4.846		409692	390672
4.877		8890	6283
4.905		5563	3013
4.922		45618	38687
4.96		31237	26569
4.971		13467	7216
4.998		9871	8165
5.042		343206	344320
5.089		10228	7823
5.12		23850	24160
5.162		113737	98712
5.183		7870	3749
5.202		6966	4189
5.257		25210	60717
5.326		11181	29069
5.339		5165	3174
5.368		42806	34543
5.39		5497	3609
5.432		1440	2187
5.488		3845	6443
5.526		12648	9930
5.567		37889	34000
5.592		22139	33571
5.65		95201	135827
5.711		4242	4213
5.735		17068	17049
5.832		20999	21780
5.877		2137	932
5.955		9575	16346
6.022		188759	190800
6.085		187456	217895
6.255		20990	62476
6.407		4334	2048
6.43		11052	7366
6.456		169016	155506
6.497		4860	5139
6.603	DCB	13822200	13966500
6.744		26782	45713
7.005		8300	14095
7.052		5615	7550
7.146		3650	3442
7.302		7410	17781
7.426		9563	19176
7.607		2965	6452
7.669		1070	316
7.745		1398	329
7.774		2520	1700
7.85		10041	24962

RT A	Compound A	Height A	Area A
7.962		1285	2596
7.977		1664	563
8.093		1492	391
8.24		1349	988
8.35		2623	3623
8.473		1853	482
8.485		1413	550
8.518		1312	1256
8.637		1492	630
8.688		1328	956

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 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: 07PCBS17284001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.529		6760	5559
1.558		8279	7338
1.606		2342	1710
1.648		3910	3755
1.723		3079	1486
1.746		5585	5218
1.771		87845	64249
1.795		9049	16902
1.863		8090	18859
1.903		171174	139147
1.968		9157	15278
2.03		55681	35059
2.131		14983	14887
2.163		9599	13696
2.21		1801	976
2.276		26163	26301
2.34		28162	16368
2.388		6257	4493
2.413		4520	3182
2.45		7284	14199
2.507		8062	12829
2.526		6082	3616
2.549		5084	4178
2.591	TCX	30082730	18300170
2.635		110566	53466
2.763		424543	335712
2.809		296753	143269
2.824		353739	184633
2.876		1987130	1292914
2.925		74882	43844
2.987		274442	182293
3.05		9920	10142
3.084		1459837	726871
3.094		541204	201727
3.135		298426	179108
3.156		140844	83189
3.181		212313	117657
3.205		2428385	1615416
3.242		114472	69156
3.27		93034	46160
3.288		619336	321283
3.304		367705	171236
3.354		1204842	567266
3.363		2619707	1119553
3.383		82596	31202
3.397		2426361	1700040
3.471		2656755	1647104
3.506		1690629	1071454
3.529		1879702	1037791
3.547		597497	310759
3.594		15948	13151
3.632		2190494	1429129
3.654		846830	450402
3.675		778871	467141

3.704		527784	270920
3.721		1954761	1183988
3.761		680438	501893
3.81		128931	89302
3.831		993418	630064
3.854		2481921	1562213
3.878		2271284	1389517
3.897		91590	39537
3.917		115559	63436
3.936		45968	19260
3.952		557908	353816
3.986		1504466	1078129
4.014		1062170	617151
4.046		6213	2620
4.061		75967	47582
4.096		268419	213958
4.152		628385	467068
4.184		377546	267208
4.212		917535	645540
4.25		13941	12651
4.29		41829	25466
4.305		302568	196837
4.34		112021	84612
4.373		512890	427641
4.439		64216	42167
4.464		52629	36253
4.536		68265	65169
4.564		10916	6432
4.589		591844	477348
4.629		35797	42047
4.668		184232	189524
4.714		20368	13938
4.741		4540	4499
4.812		8843	14718
4.854		8869	5994
4.885		3056	4025
4.91		90055	86286
4.995		3137	14231
5.033		14907	10754
5.059		37278	28226
5.082		9596	5601
5.101		5618	3054
5.154		50158	39980
5.201		10791	11109
5.229		29822	27977
5.276		3830	3892
5.298		5128	3704
5.343		23580	25907
5.388		5766	6732
5.439		11000	15859
5.499		210260	187079
5.536		29519	26317
5.567		200017	171252
5.617		16914	19585
5.68		5698	7353
5.725		17024	19649
5.823		46823	87929
5.879		3310	2149
5.926		273887	245550
5.957		9494	6865
6.001		3936	3153
6.084	DCB	25339790	22967640
6.336		29743	48396
6.43		12923	15003
6.478		16997	28975
6.534		19924	17047
6.569		25535	35772

6.63	10788	18413
6.797	26615	41442
6.847	5232	4721
7.034	19862	27918
7.073	6164	6479
7.183	5428	6228
7.218	8686	9596
7.296	14260	23888
7.361	4244	4602
7.6	8407	20937
7.761	3265	5821
8.167	12433	24392

AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

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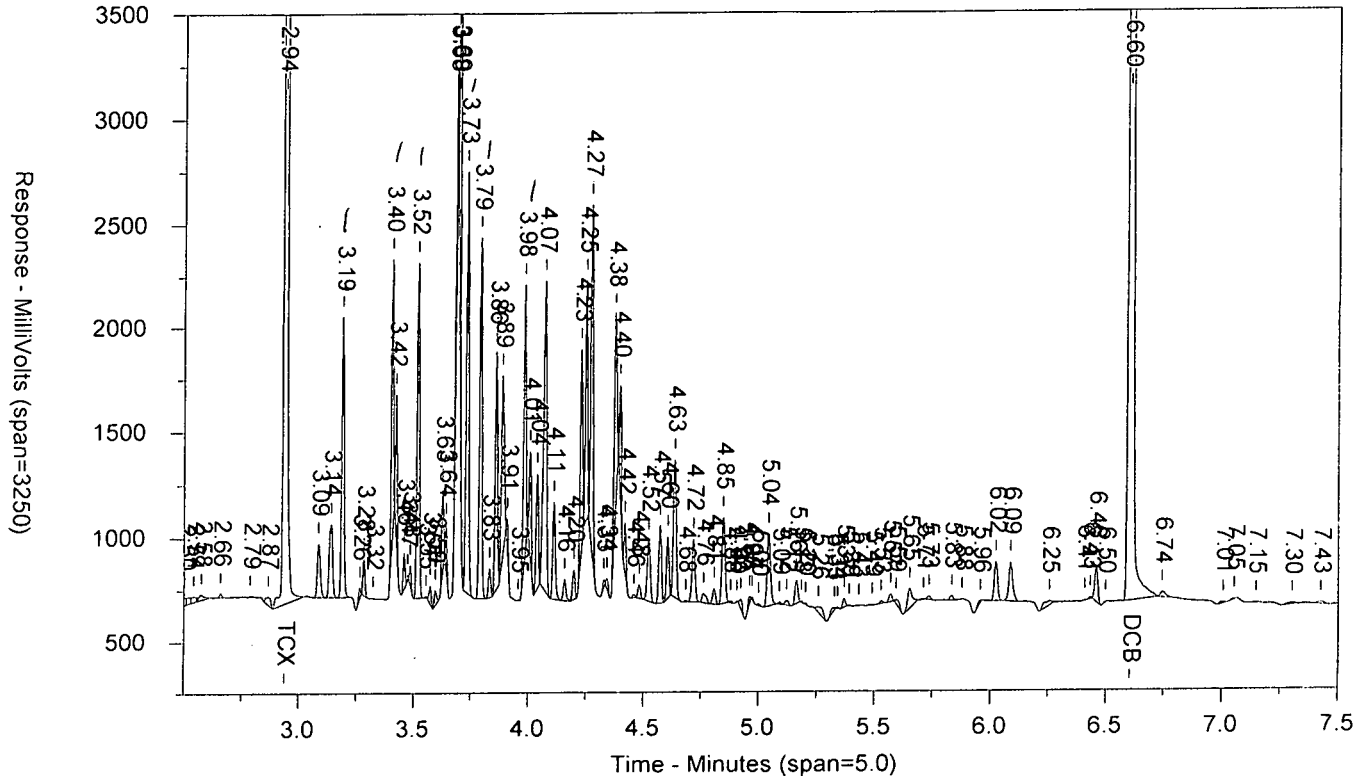

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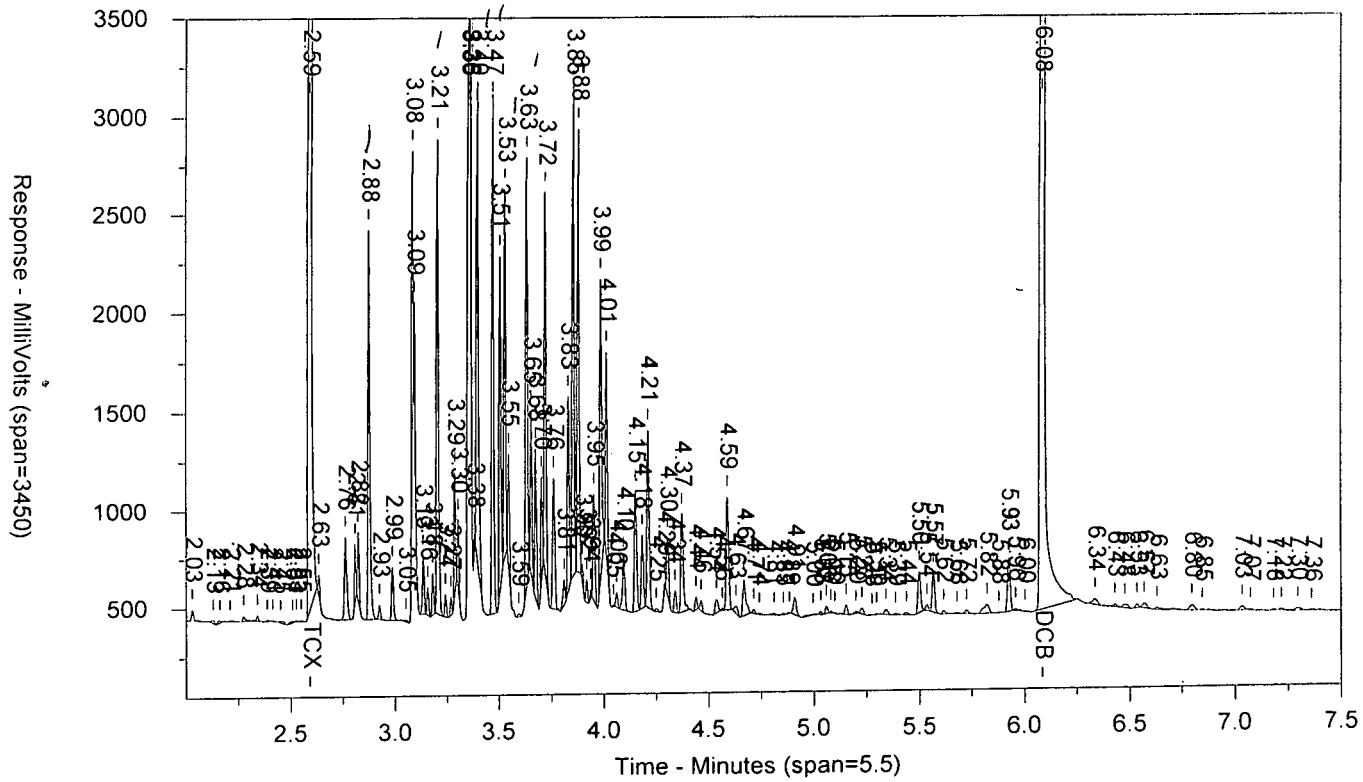

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:23:17 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	19389820	70.735	TCX	2.591	30082730	72.571	TCX
6.603	13822200	68.5	DCB	6.084	25339790	66.938	DCB

Files:
Area File: 07PCBS17284001.0029.RAW
Area File: 07PCBS17284001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 12:32:02 AM
File Reported On: 10/12/2017 at 12:32:09 AM

AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

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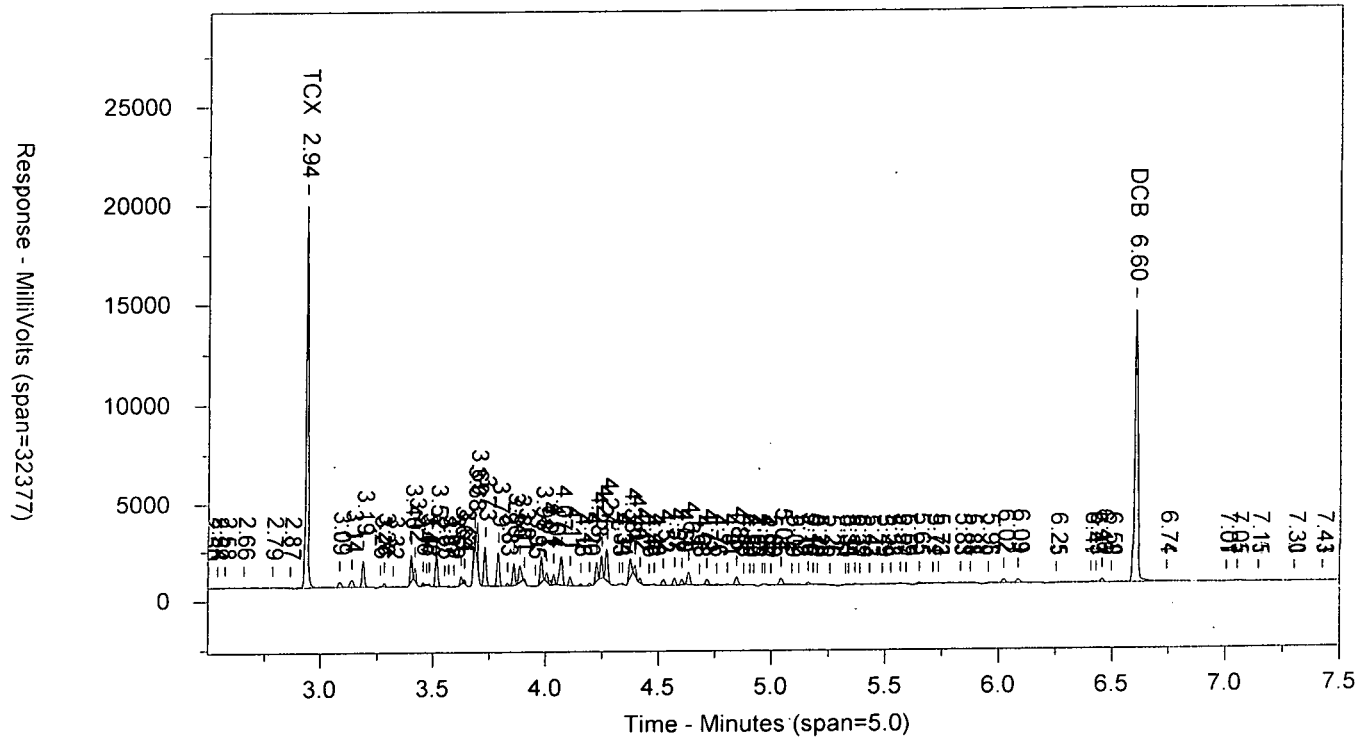

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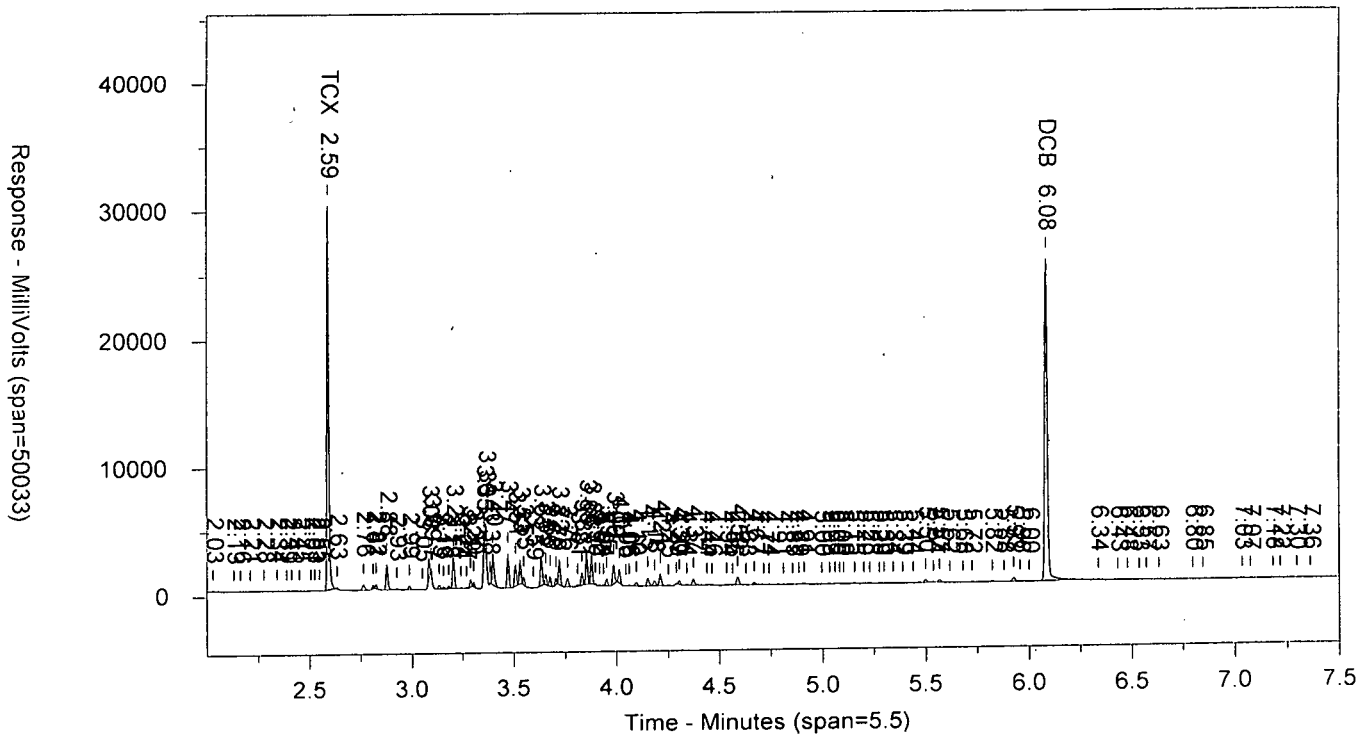

AR4231724A AAAR423AA ICAL 1728399999 10736 SW-846 8082

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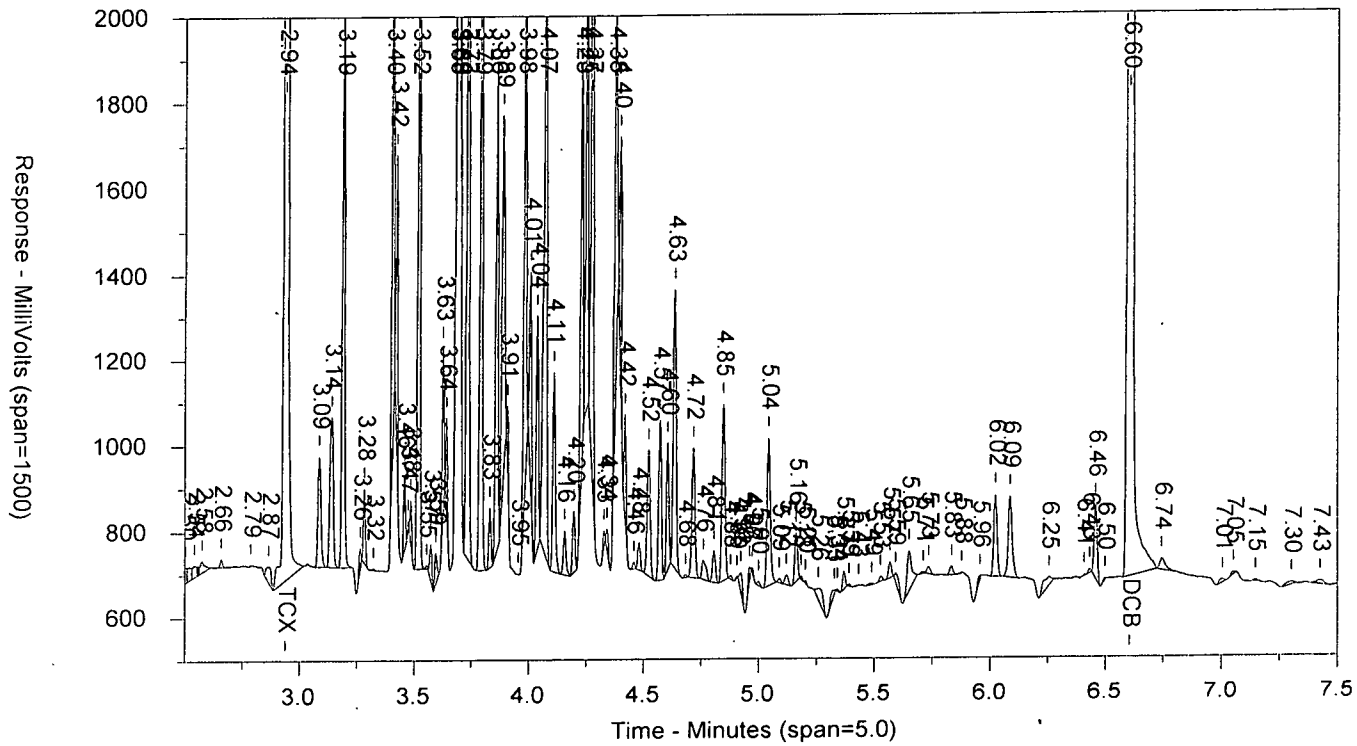

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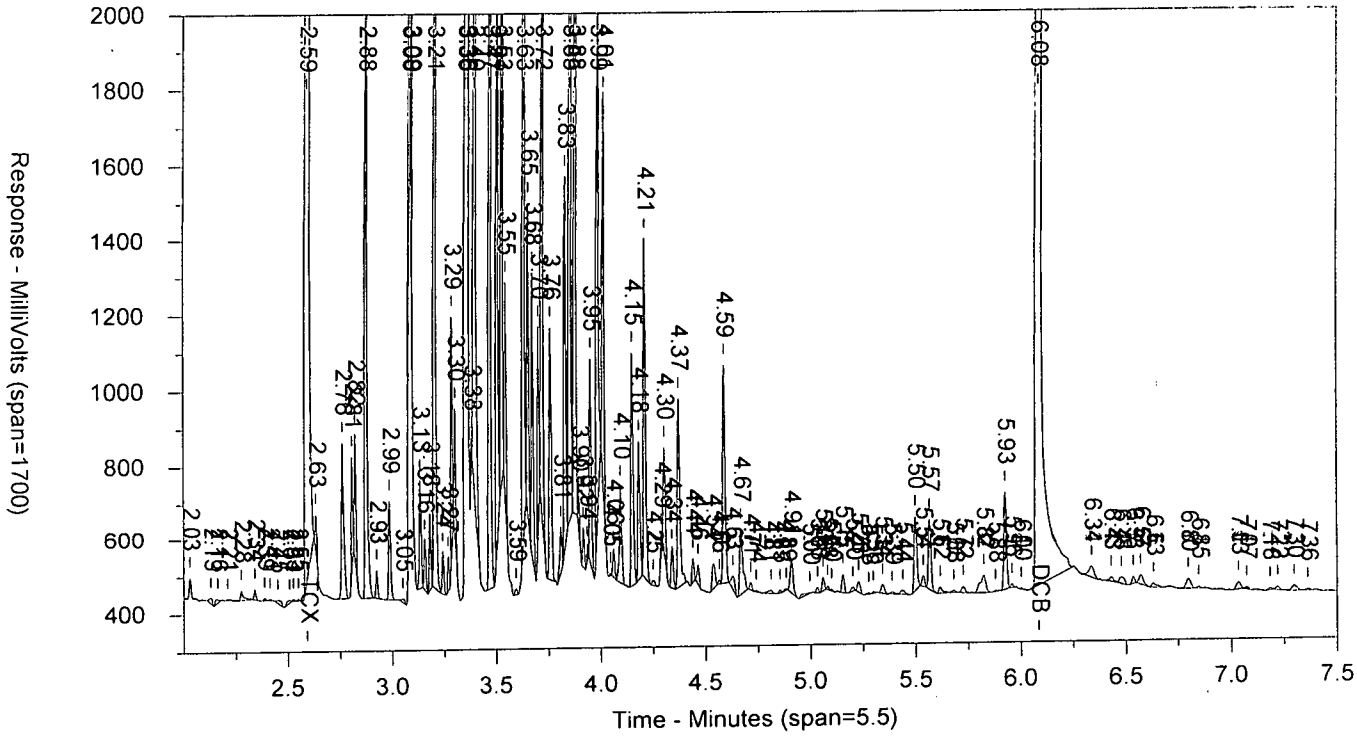

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 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: 07PCBS17284001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.577		22460	20893
1.623		7276	28948
1.737		2792	2190
1.917		1633	888
2.052		15416	22361
2.087		10954	13510
2.164		1666	1219
2.332		24199	15392
2.459		6358	10120
2.505		4784	9707
2.785		46980	39385
2.86		5648	3946
2.897		6338	4535
2.936	TCX	119100	80232
3.084		3073	2256
3.14		4878	3731
3.188		29488	20770
3.28		8273	15787
3.402		31810	19319
3.419		15954	8268
3.454		2895	1861
3.516		35869	26477
3.607		3301	5423
3.623		7922	4395
3.639		4559	2460
3.682		20796	10442
3.693		35382	18205
3.729		44741	32351
3.789		38374	26558
3.828		2866	1580
3.857		26468	18066
3.883		23790	23392
3.921		2311	1152
3.935		1657	441
3.948		1131	374
3.979		30419	20796
4.004		9265	5921
4.033		11773	7478
4.068		31835	29288
4.108		9326	6445
4.172		9723	8323
4.196		2454	1137
4.227		31090	21738
4.248		14007	8460
4.276		13126	14748
4.339		4410	3156
4.383		35162	31994
4.411		1607	1531
4.518		1911	1075
4.567		8754	6516
4.589		7649	7293
4.632		20465	17103
4.681		34408	36607

RT A	Compound A	Height A	Area A
4.717		7531	4827
4.757		71497	67358
4.842		9632	8316
4.902		17854	24263
4.956		72971	91441
5.007		11902	10435
5.046		28421	32080
5.114		1521	995
5.129		4717	3566
5.16		77859	73433
5.227		53031	47746
5.268		34644	33478
5.318		2643	4132
5.364		8478	7199
5.389		45220	40675
5.446		24859	22363
5.485		15547	14505
5.527		1867	1349
5.545		1561	533
5.569		17895	17277
5.625		145336	149299
5.737		1110	1716
5.831		105640	103142
5.862		2597	1692
5.887		26192	29272
5.944		3287	2400
6.021		4778	3619
6.076		1814	805
6.1		15636	15830
6.255		37693	40535
6.335		1182	383
6.355		1180	358
6.431		957	854
6.458		8987	8808
6.49		1852	939
6.569		1261	340
6.601	DCB	99148	101667
6.739		1186	428
6.851		1692	829
6.941		2412	3005
7.258		2138	349
7.467		1577	625
7.511		1233	576
7.58		1305	506
7.664		1552	630
7.748		1549	438
7.761		1533	625
7.842		1344	449
8.13		1213	344
8.196		1305	723
8.23		1938	783
8.341		1940	409
8.393		1896	372
8.43		1261	863
8.559		1186	683
8.649		1651	457
8.692		1939	1073

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 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: 07PCBS17284001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.529		2741	2564
1.558		3233	2136
1.746		2297	1463
1.795		5124	5672
1.851		3695	8407
1.899		38480	24789
1.967		12267	19239
2.133		7215	6231
2.17		3063	6819
2.321		6761	11603
2.388		3320	2766
2.416		3707	2485
2.508		8750	14340
2.526		74119	68843
2.591	TCX	175660	111836
2.689		3422	3078
2.764		8939	9693
2.809		2057	2539
2.824		8269	4473
2.876		46394	32102
2.949		3251	2618
2.987		5062	3266
3.03		2741	1613
3.084		63300	66265
3.136		5651	3118
3.158		3391	2510
3.181		3481	1871
3.206		53928	34063
3.289		12504	6149
3.304		12463	7516
3.354		25339	11790
3.363		47902	20988
3.397		56157	44230
3.47		56280	35448
3.506		43163	25955
3.529		44092	24538
3.546		12554	5904
3.602		4284	4855
3.631		49203	31512
3.653		17469	9204
3.674		16911	9535
3.703		10596	5367
3.719		38726	23037
3.761		13816	9363
3.83		5589	3095
3.852		55020	35459
3.877		9246	5066
3.916		19794	14638
3.951		44525	29621
3.997		7734	9403
4.048		14095	11830
4.115		2557	3307
4.149		11329	8579
4.193		12013	7760

4.211		10672	5483
4.224		32195	18948
4.251		18672	17416
4.301		101838	77965
4.373		5567	3076
4.396		21698	16270
4.438		122789	95963
4.539		85650	96780
4.593		11414	9248
4.631		29099	26831
4.667		111145	96179
4.699		64767	47439
4.737		42585	34213
4.836		12788	9612
4.887		77295	62000
4.91		7768	4935
4.96		43168	36607
4.996		19544	16027
5.026		15514	13076
5.059		4391	2608
5.081		165554	149974
5.153		6413	5274
5.192		5918	7490
5.272		2192	1290
5.297		41049	33635
5.342		113013	133169
5.499		4964	4979
5.546		2833	2379
5.565		2968	2028
5.615		22103	18503
5.725		49654	45784
5.757		2789	1575
5.925		14772	13377
6.083	DCB	194260	186679
7.585		2663	4801
7.885		1826	2267
7.944		2237	2843
8.161		10347	18652

MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

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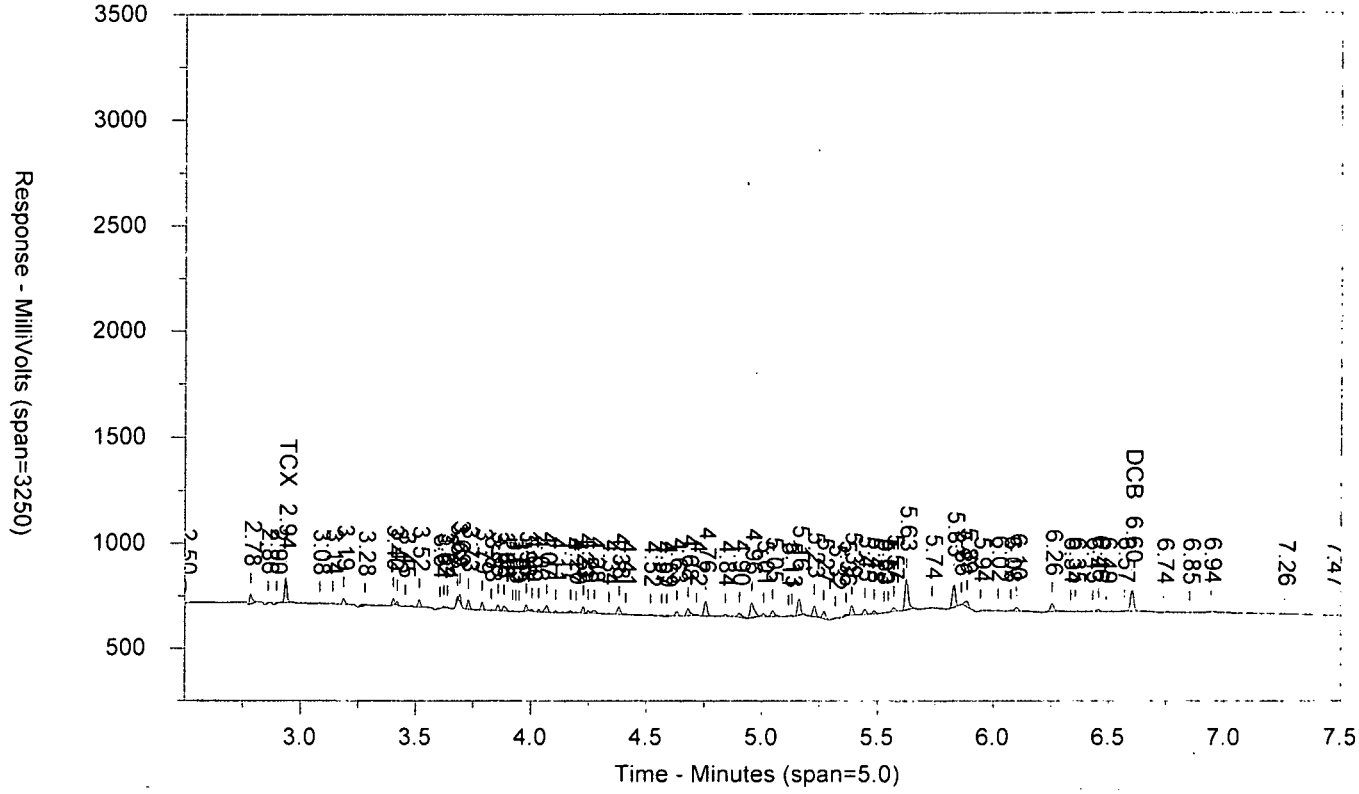

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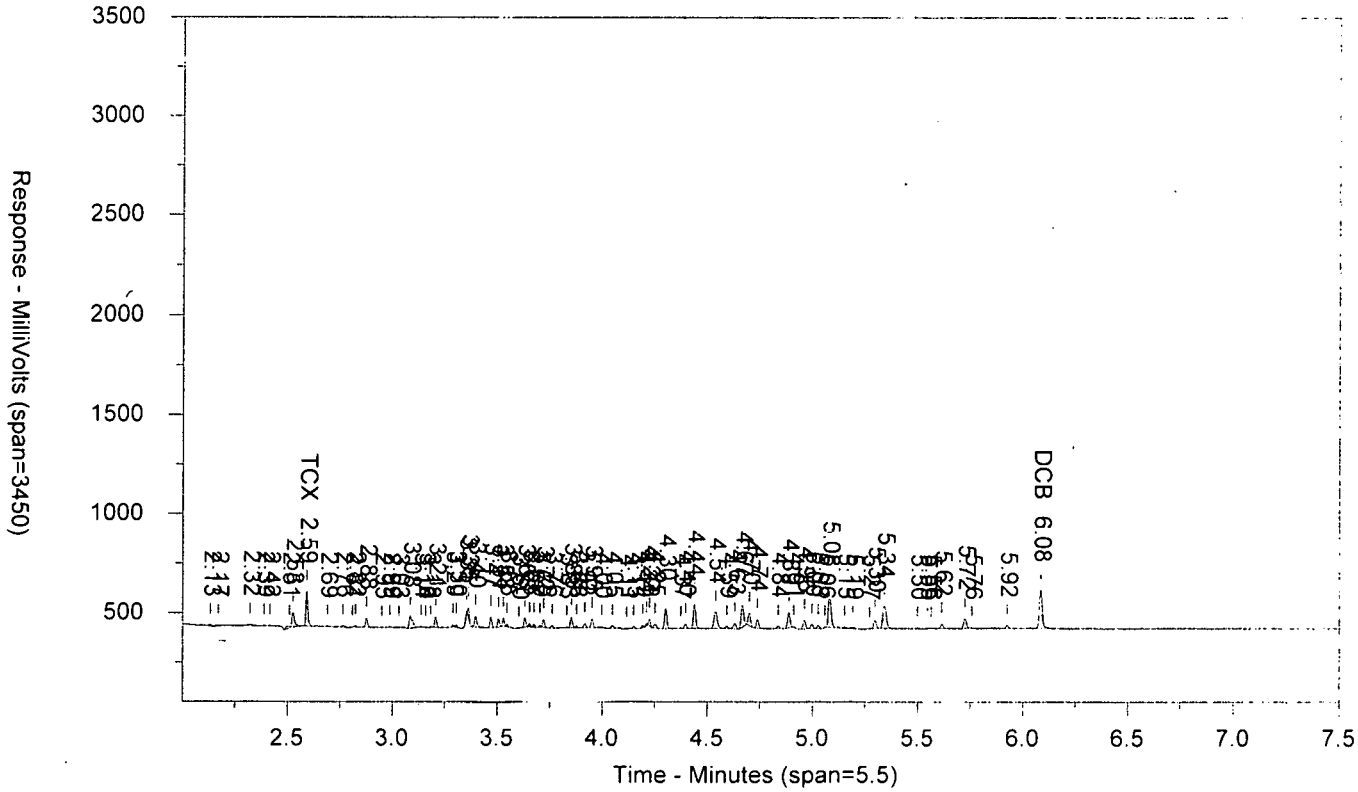

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:34:36 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
2.936	119100	.434	TCX	2.591	175660	.424	TCX
6.601	99148	.491	DCB	6.083	194260	.513	DCB

Files:
Area File: 07PCBS17284001.0030.RAW
Area File: 07PCBS17284001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:13 PM
File Reported On: 10/12/2017 at 5:03:33 PM

MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

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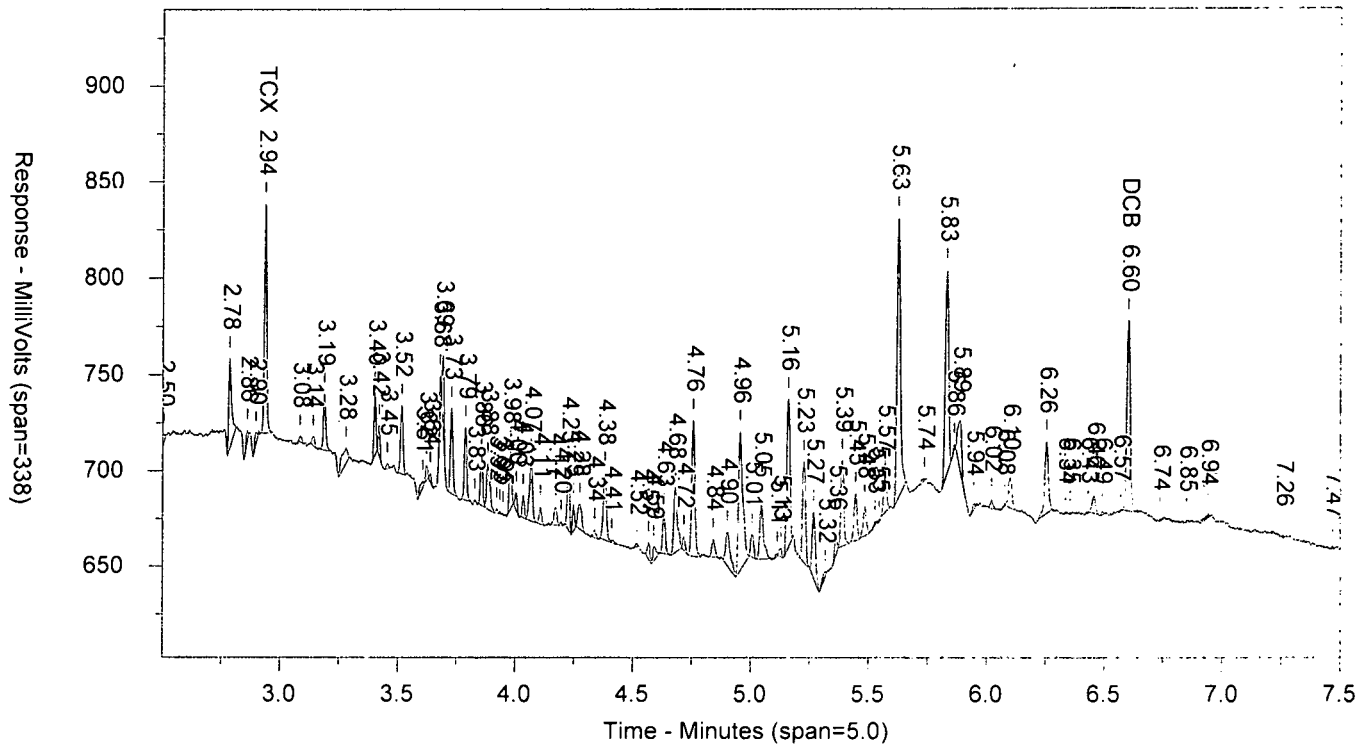

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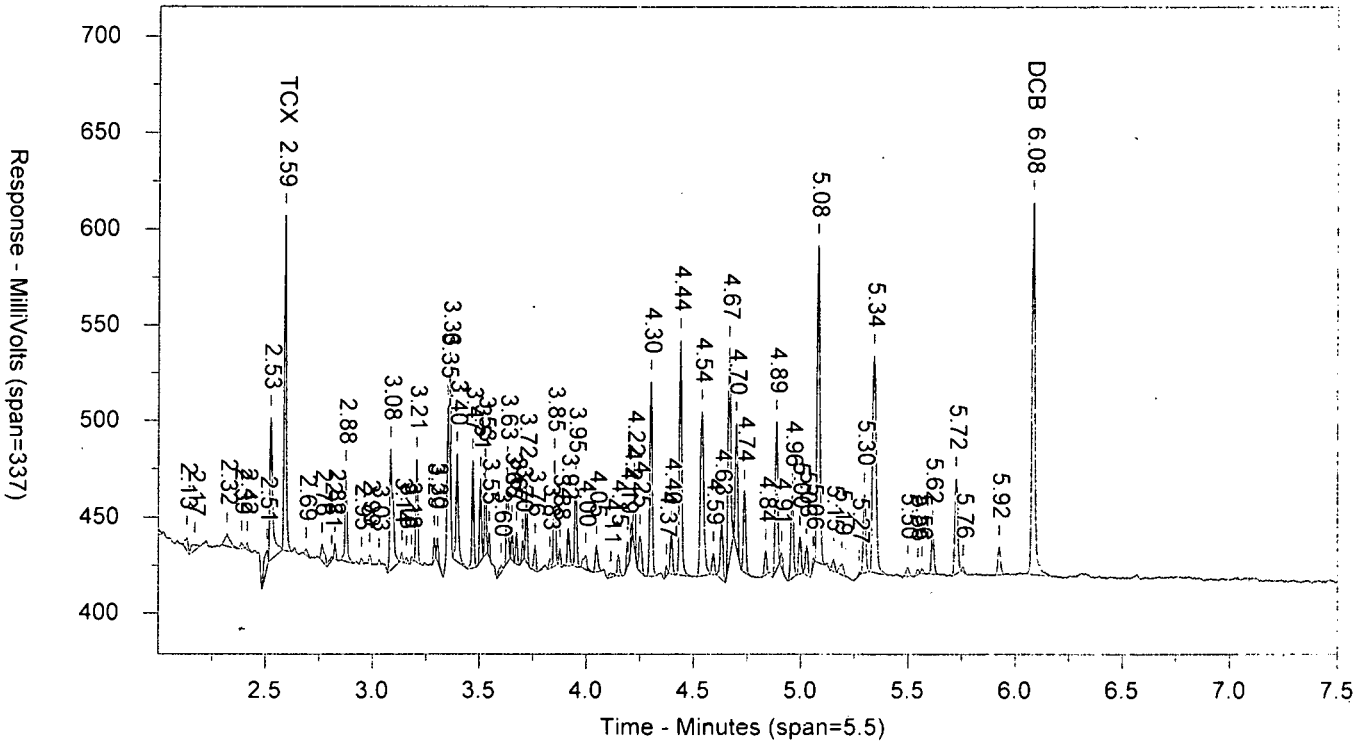

MD16X1724B AAMD16XAA ICAL 1728399999 10736 SW-846 8082

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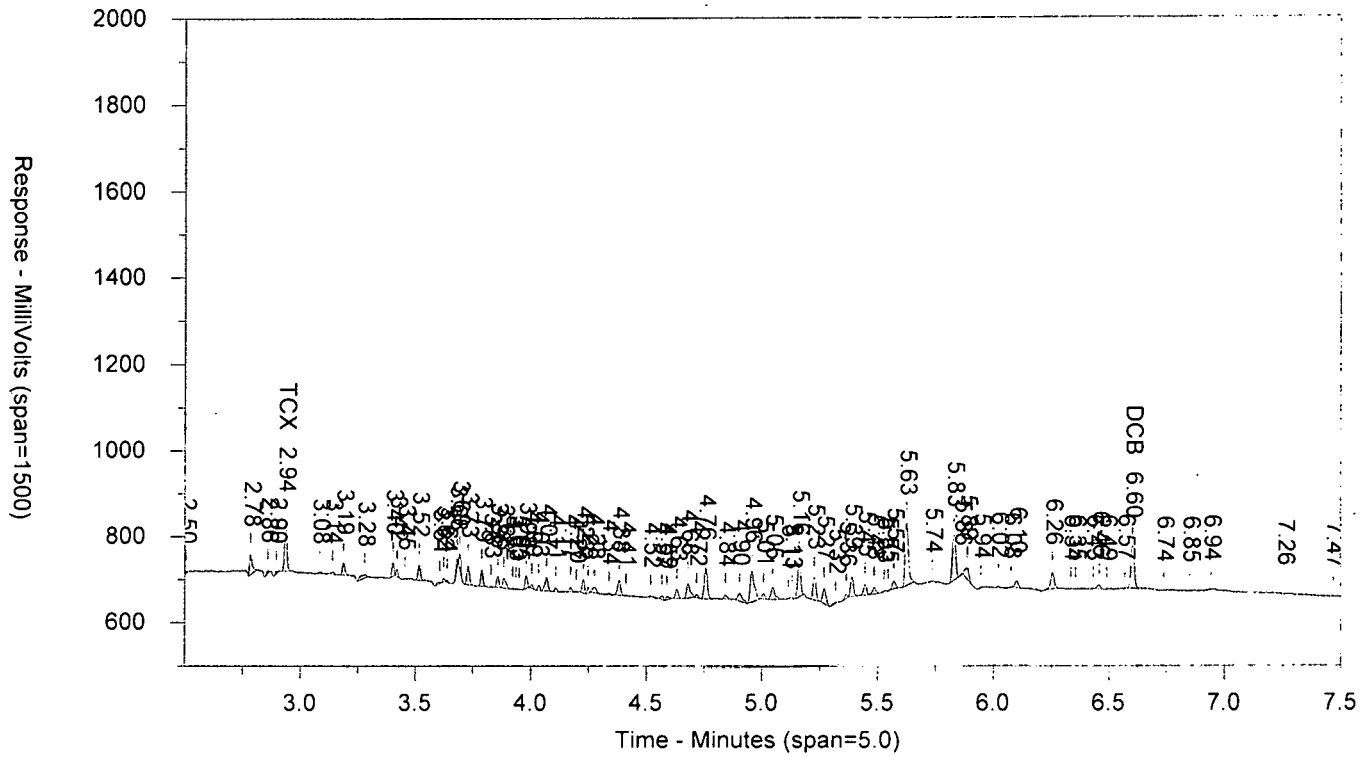

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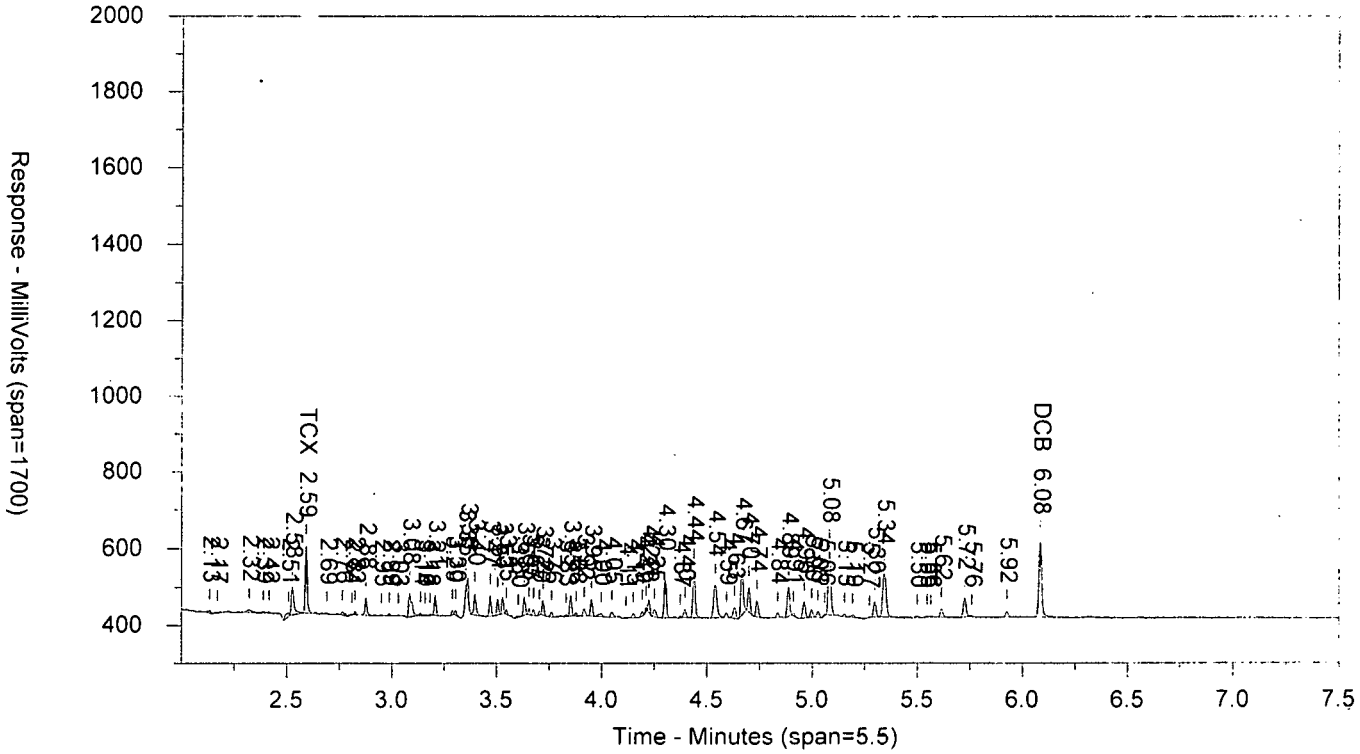


LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 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: 07PCBS17284001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.579		28340	29182
1.614		19494	45724
1.652		3311	4420
1.739		3286	2566
1.779		4035	2788
2.067		12279	40609
2.092		5964	5788
2.165		4899	3847
2.235		79392	52952
2.334		39918	45254
2.498		7044	7468
2.544		3454	2570
2.575		10665	9437
2.617		2719	1902
2.694		2367	2286
2.787		19413	20226
2.867		17287	25861
2.908		5472	9633
2.937	TCX	16686060	11089770
3.037		5305	3912
3.086		159194	148353
3.138		274123	282158
3.189		932086	677858
3.264		39375	21948
3.282		112522	70625
3.322		3052	2191
3.403		993460	577740
3.42		481913	258151
3.457		122668	69485
3.472		20352	7030
3.484		69941	36863
3.516		1156763	855062
3.554		5619	2529
3.573		67058	41696
3.592		35262	21304
3.626		280009	161447
3.64		160934	76255
3.683		602576	339727
3.694		1132329	572662
3.731		1449382	1058574
3.79		1217513	919993
3.831		105590	70405
3.859		789851	575337
3.885		591945	491827
3.907		158504	85159
3.981		924198	657642
4.005		358145	234940
4.037		390895	275406
4.07		1048565	963719
4.11		333002	261070
4.156		48083	42109
4.196		65350	48442
4.228		365372	255422

RT A	Compound A	Height A	Area A
4.248		317049	199640
4.271		290371	224541
4.327		3149	1452
4.341		7197	4549
4.376		91276	74662
4.417		8285	5172
4.478		1415	730
4.57		10961	8664
4.607		3029	4701
4.633		5671	4895
4.672		1785	486
4.683		1643	404
4.699		1651	454
4.717		1779	772
4.846		3535	2979
4.883		4071	3837
4.904		4867	9972
4.96		3277	2891
5.039		2467	2548
5.122		10307	9547
5.165		3974	3679
5.222		2271	600
5.323		2474	5536
5.364		1281	350
5.389		1311	698
5.432		3819	6431
5.479		2305	1662
5.531		8809	9953
5.569		2145	746
5.65		42021	46092
5.737		2799	2932
5.775		1625	536
5.832		8515	8813
5.877		8340	9721
5.949		2780	2501
6.022		175356	173750
6.086		169383	178886
6.189		2138	1830
6.256		6920	11292
6.411		1357	511
6.424		2194	1293
6.457		156488	158648
6.518		2278	1067
6.556		1157	425
6.603	DCB	11736090	12025700
7.047		6826	8302
7.076		1827	450
7.158		1952	1123
7.265		1386	464
7.277		2081	588
7.355		1429	711
7.492		1804	439
7.588		1337	437
7.689		1766	568
7.697		1889	386
7.772		1226	680
7.95		2305	763
7.986		1365	990
8.06		1859	366
8.232		1394	663
8.324		1112	505
8.448		1197	346
8.483		1239	444
8.576		1819	1859
8.685		1719	575

LANCASTER LABORATORIES

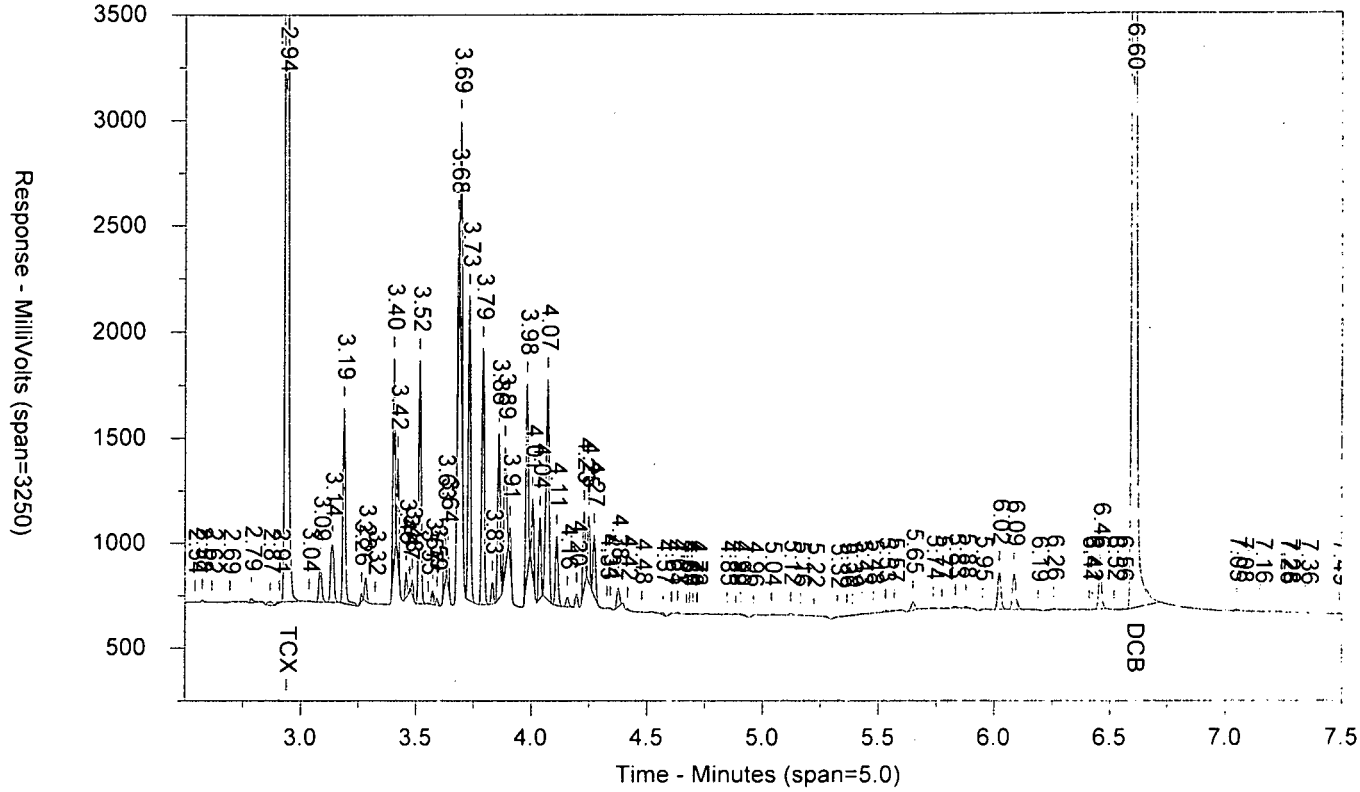
Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.53		2779	2587
1.558		5923	4511
1.648		3551	1849
1.723		5801	2995
1.758		9107	18449
1.797		4446	3658
1.903		153609	128343
1.967		9222	13082
2.03		49228	39100
2.125		8407	11879
2.162		5293	5867
2.183		2650	1837
2.276		13292	7612
2.388		4435	3735
2.415		4196	2699
2.509		8050	13222
2.525		32948	21602
2.591	TCX	25287570	15702490
2.635		61065	26360
2.763		273313	210037
2.809		261980	129523
2.824		226692	116263
2.876		1378295	888050
2.925		64612	37707
2.987		190309	139847
3.084		1742510	1746034
3.135		219574	133276
3.156		97116	56554
3.182		152398	83085
3.205		1712377	1147870
3.243		62715	36837
3.27		107128	56178
3.289		437262	229951
3.304		254691	121610
3.354		824858	397814
3.363		1879245	821171
3.384		60216	21531
3.397		1764586	1185652
3.471		1909524	1178415
3.506		1234304	759869
3.529		1336213	746728
3.547		432315	219374
3.597		4821	2837
3.632		1596177	1039616
3.654		602539	324236
3.675		580117	337943
3.703		380302	193561
3.721		1310441	807587
3.762		483135	343325
3.811		57617	46771
3.832		338526	213932
3.855		747392	483624
3.879		354463	212795
3.897		55176	27190

3.917		20198	11520
3.935		4902	2129
3.952		34037	21089
3.986		36612	20966
4		35941	15389
4.013		16205	7339
4.049		13782	12043
4.111		3370	4047
4.151		5573	4137
4.185		2882	2054
4.212		7826	6300
4.303		3578	2874
4.376		3035	2011
4.413		7803	5364
4.44		3540	2729
4.553		8146	9681
4.59		5325	4517
4.639		17120	12763
4.669		8109	13512
4.884		3948	3527
4.955		5588	4871
5.015		2064	1338
5.032		8360	6284
5.081		3572	5295
5.155		34798	29014
5.194		3456	2891
5.275		3187	2503
5.298		5219	5549
5.347		15423	14488
5.499		193979	172660
5.567		192315	173453
5.617		10615	8696
5.726		8989	11987
5.815		1361	955
5.878		4322	4032
5.926		266972	228976
6.085	DCB	21579930	19438060
6.251		7076	6607
6.489		2898	2061
6.536		16239	19266
7.581		1856	2716
7.952		2435	4839
8.163		9377	16399

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0031.RAW



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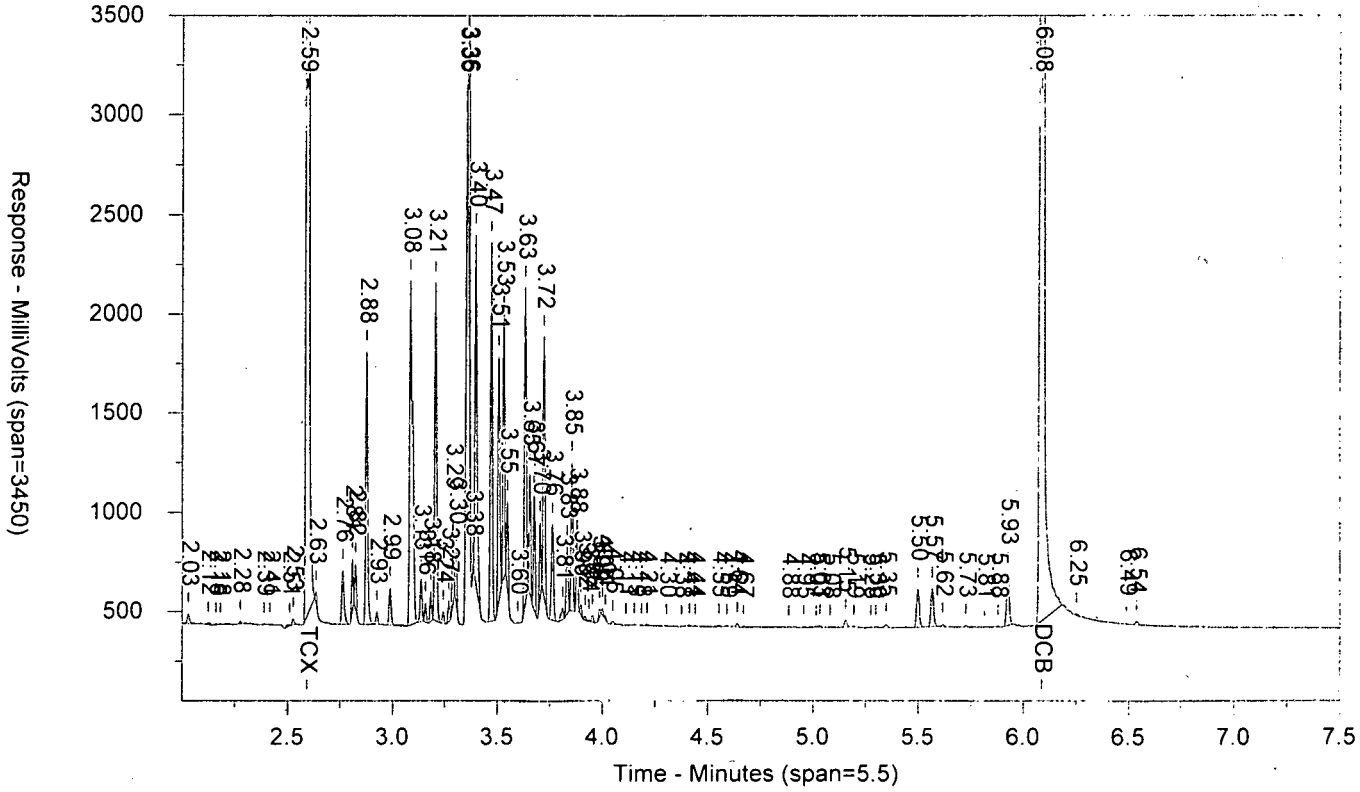

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:46:07 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	16686060	60.871	TCX	2.591	25287570	61.003	TCX
6.603	11736090	58.162	DCB	6.085	21579930	57.006	DCB

Files:
Area File: 07PCBS17284001.0031.RAW
Area File: 07PCBS17284001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 5:02:14 PM
File Reported On: 10/12/2017 at 5:03:43 PM

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

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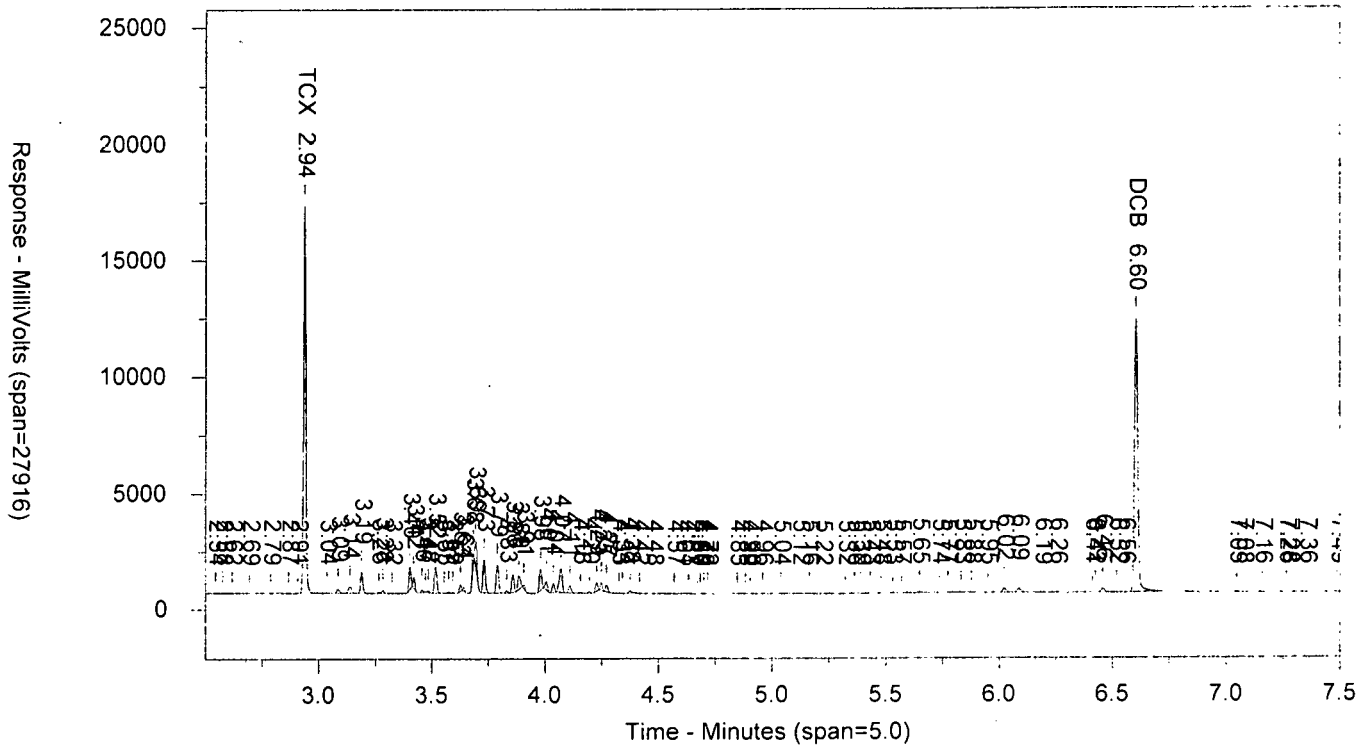

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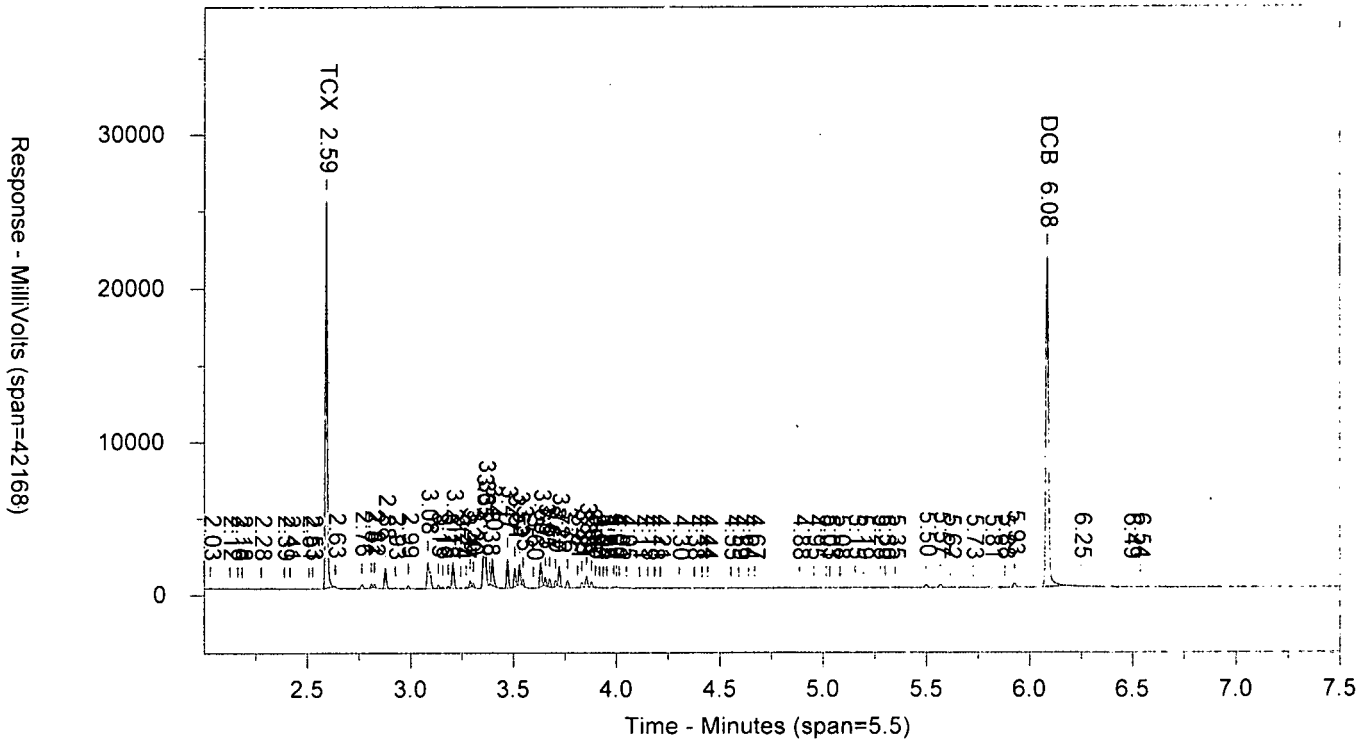

AR16XX1724B AAAR16XAA ICAL 1728399999 10736 SW-846 8082

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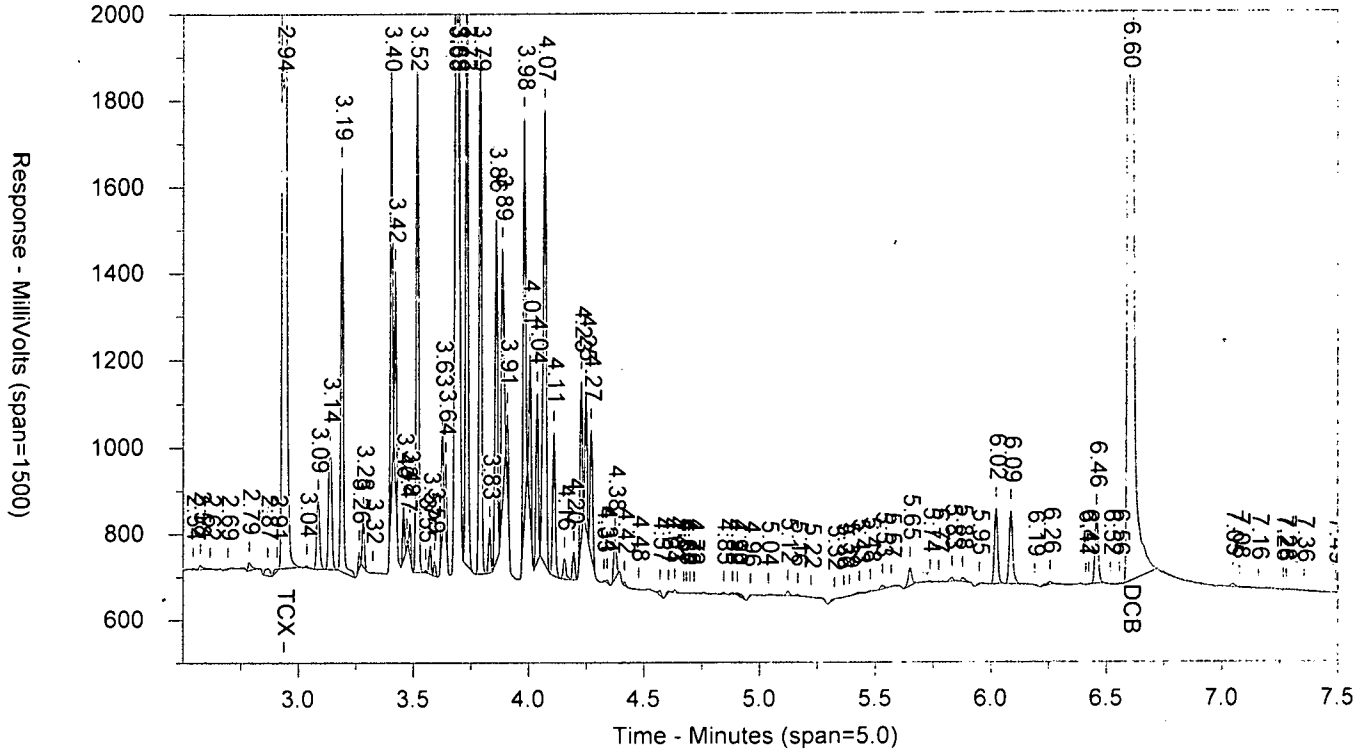

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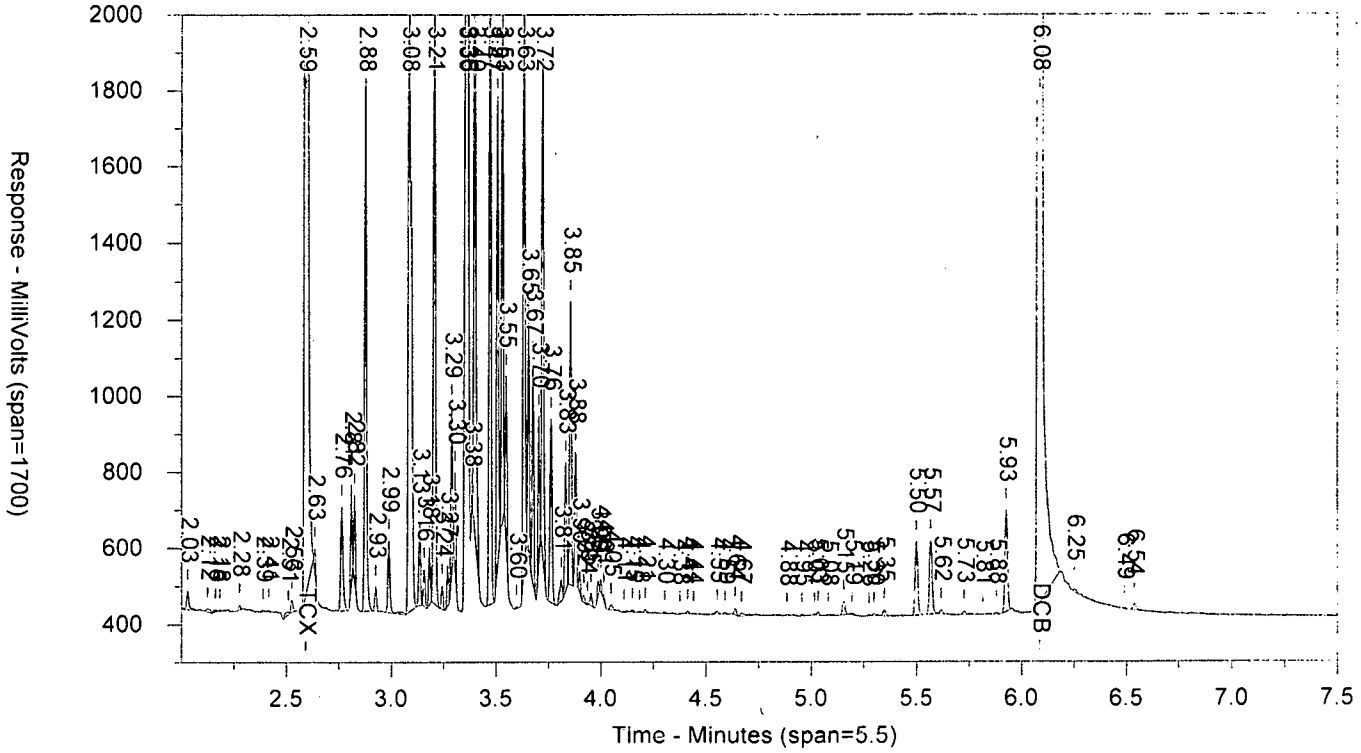

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 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: 07PCBS17284001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.577		22248	21331
1.609		4589	11652
1.734		4636	4548
1.786		1799	812
2.065		10443	34380
2.089		5521	2786
2.182		3742	7020
2.234		56493	37860
2.334		38202	37863
2.498		7969	9621
2.543		4206	2887
2.575		8077	5723
2.691		1685	1695
2.786		9706	6758
2.864		19862	31961
2.91		3292	8316
2.937	TCX	11204570	7414995
3.037		4185	2770
3.086		180569	169384
3.14		243958	240579
3.189		967678	678805
3.264		25241	14660
3.282		128061	81388
3.402		1015709	605363
3.419		498463	266795
3.456		123858	70744
3.471		20550	8037
3.483		71654	35335
3.517		1219035	905578
3.553		7074	3672
3.571		33021	19914
3.592		48524	30686
3.625		300608	166861
3.64		155932	75592
3.682		660068	367687
3.693		1234040	592927
3.73		1471576	1094005
3.79		1253184	952111
3.83		107233	74742
3.858		877360	617449
3.885		614991	524248
3.906		145243	71311
3.981		942357	667287
4.005		344259	223702
4.036		371562	257147
4.069		864029	812912
4.109		248585	194156
4.155		21847	17015
4.172		3751	1576
4.194		45685	32317
4.229		801385	584841
4.247		106807	52422
4.271		164762	124713

RT A	Compound A	Height A	Area A
4.341		149801	123020
4.383		972478	927784
4.417		24511	16329
4.478		11353	8855
4.519		116829	116100
4.571		107538	68086
4.589		282438	198332
4.633		598248	534465
4.681		1102363	1173327
4.718		241491	170361
4.757		2121664	1978099
4.799		14881	12701
4.843		271602	291201
4.877		21622	13896
4.904		376119	349154
4.956		2077978	2598804
5.007		431718	400839
5.047		966871	1109181
5.127		210915	247549
5.161		2605616	2310817
5.183		96037	51709
5.203		26644	10769
5.228		1581985	1473564
5.27		1019584	950929
5.311		8522	8987
5.364		348361	275595
5.389		1532463	1359977
5.446		815885	768668
5.485		471820	485276
5.528		98954	102455
5.57		620014	678769
5.627		4315757	4875884
5.732		70248	79303
5.832		3115998	2921405
5.863		166222	101380
5.886		760201	806474
5.945		7284	7024
6.021		260401	253870
6.101		625603	946330
6.256		1187856	1251695
6.3		73372	64662
6.414		1159	491
6.456		486892	517797
6.603	DCB	8164752	8265648
6.898		1526	753
6.931		1763	730
7.05		4807	4264
7.202		1644	866
7.615		1055	450
7.656		1135	451
7.777		840	542
7.872		1248	1253
7.921		1773	804
8.523		1277	418
8.574		2972	3006

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 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: 07PCBS17284001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.53		4985	4280
1.559		7583	5688
1.694		4944	8626
1.725		4749	2354
1.756		2583	3937
1.817		3774	7847
1.903		113419	98421
1.966		10398	23823
2.03		36357	29258
2.162		4420	5046
2.217		3173	3563
2.276		15156	14249
2.389		5950	5408
2.508		8016	12116
2.525		17122	10137
2.592	TCX	17211130	10506330
2.635		81773	43020
2.764		298517	236148
2.809		171529	81121
2.824		259520	134017
2.877		1397073	930154
2.925		44859	24616
2.987		201995	135544
3.084		1815408	1866209
3.135		223794	136737
3.156		109235	64435
3.182		147299	81543
3.206		1799474	1214645
3.243		73522	44645
3.27		47789	23591
3.289		466702	239048
3.304		263596	125967
3.354		813201	423207
3.363		1893446	807914
3.383		79337	25784
3.397		1768170	1212485
3.47		1957965	1212557
3.506		1298983	814195
3.529		1431232	789665
3.546		423626	212603
3.599		3894	3869
3.631		1595639	1037719
3.654		578190	309948
3.675		533283	309756
3.703		329801	172361
3.72		1038747	617050
3.761		353954	248908
3.808		46819	47494
3.831		142265	82588
3.852		1264433	839434
3.878		181686	105201
3.897		27329	12600
3.917		192929	124775
3.952		1297322	892280

3.985		52566	28457
4		74745	47858
4.047		9097	5434
4.062		5498	2942
4.093		78900	96121
4.151		313087	220127
4.193		410452	251269
4.211		249053	122394
4.225		1063304	607602
4.25		552442	565486
4.302		3103336	2399009
4.35		48241	40389
4.372		195596	127909
4.396		673359	521251
4.438		3750538	2952053
4.54		2932992	2909620
4.593		367260	295072
4.631		858201	752225
4.667		3543818	2945125
4.7		2036280	1450186
4.737		1298715	1079020
4.836		426479	315111
4.854		43184	21018
4.887		2554494	2000849
4.91		231411	143859
4.96		1289470	1176780
4.996		648926	529363
5.027		522437	430728
5.059		149690	92775
5.082		5871065	5102725
5.123		103751	73062
5.154		230881	184142
5.274		60627	41301
5.298		1241247	1074786
5.342		3982996	4333123
5.498		287399	250799
5.545		85697	62174
5.567		205028	153406
5.615		748585	684168
5.725		1655966	1451961
5.756		80765	56462
5.925		793113	751168
6.084	DCB	13819260	12702800
6.256		8260	9447
6.536		12324	14600
6.809		2588	2605
7.709		1775	5113
7.888		1824	2326
8.161		10367	20483

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

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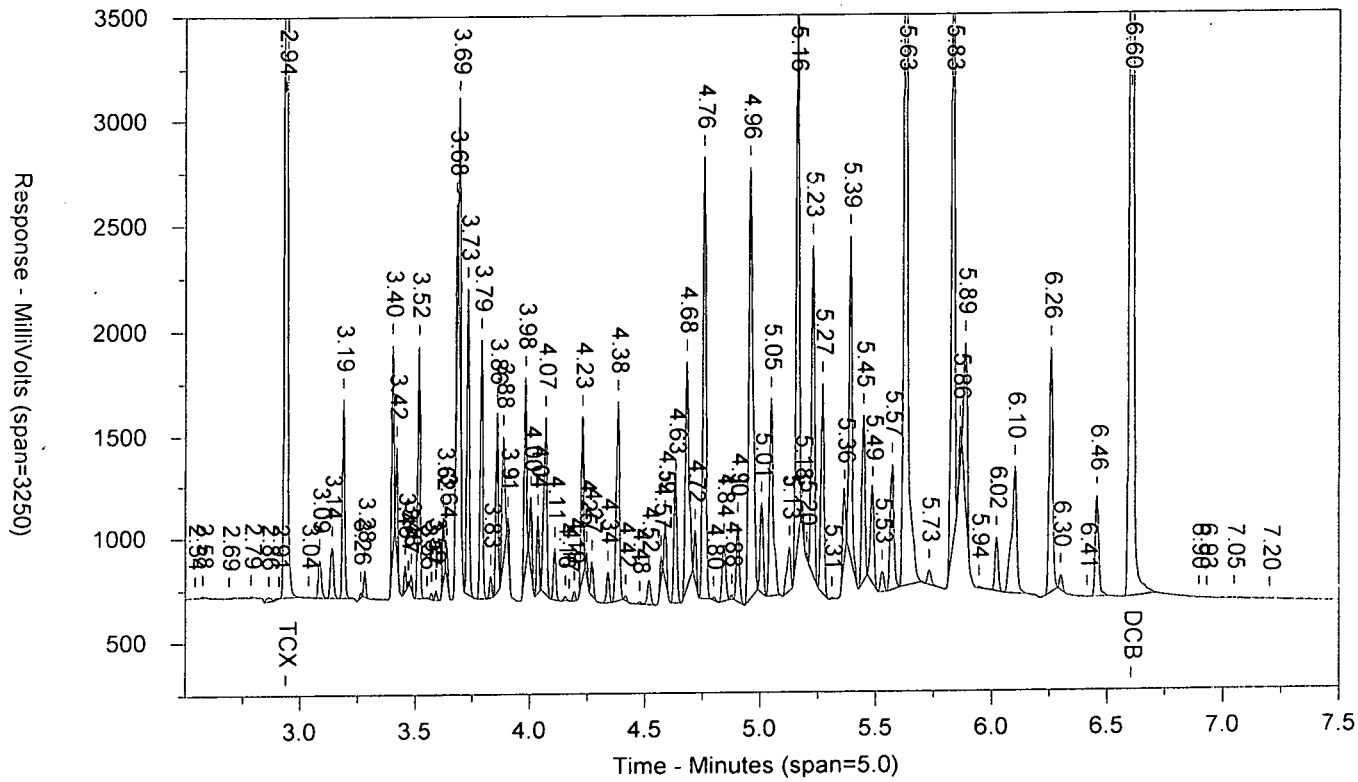

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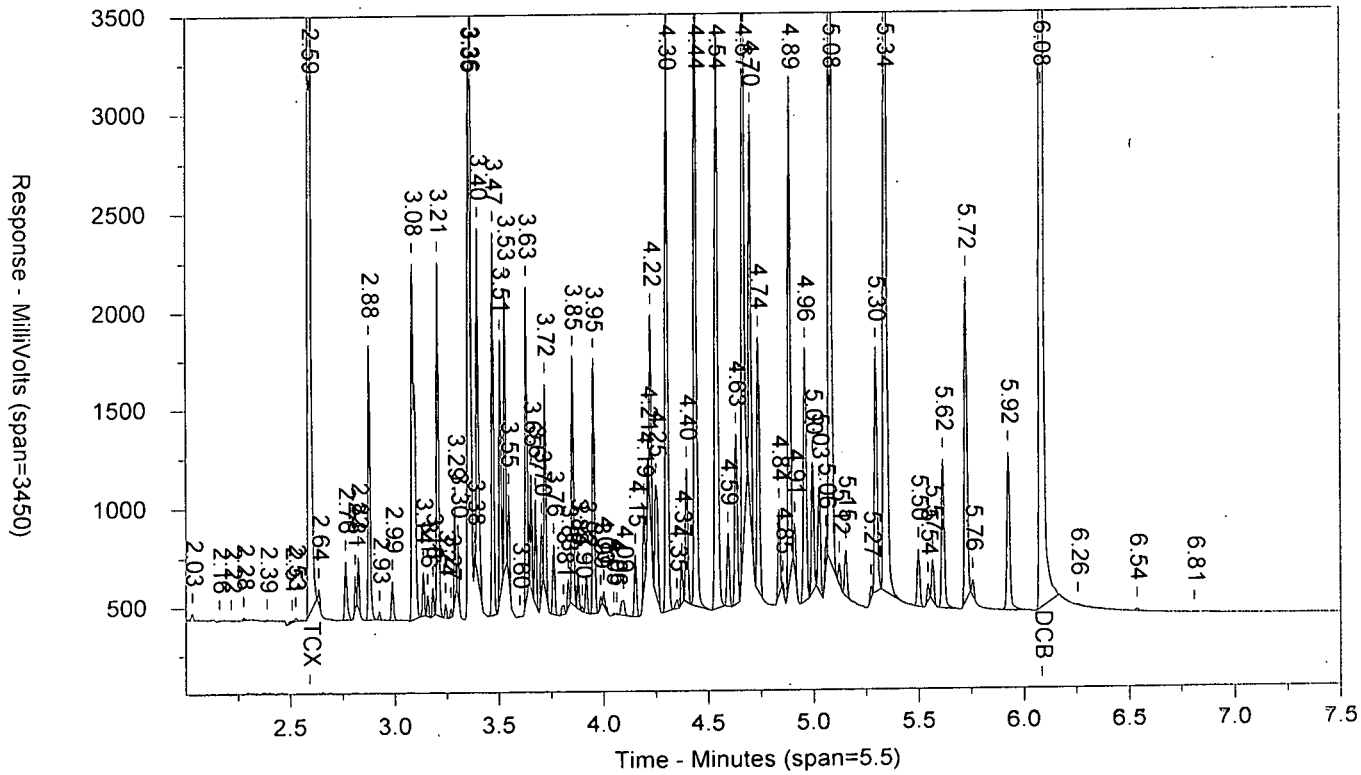

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 12:57:33 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	11204570	40.875	TCX	2.592	17211130	41.52	TCX
6.603	8164752	40.463	DCB	6.084	13819260	36.505	DCB

Files:
Area File: 07PCBS17284001.0032.RAW
Area File: 07PCBS17284001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:06:16 AM
File Reported On: 10/12/2017 at 1:06:29 AM

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

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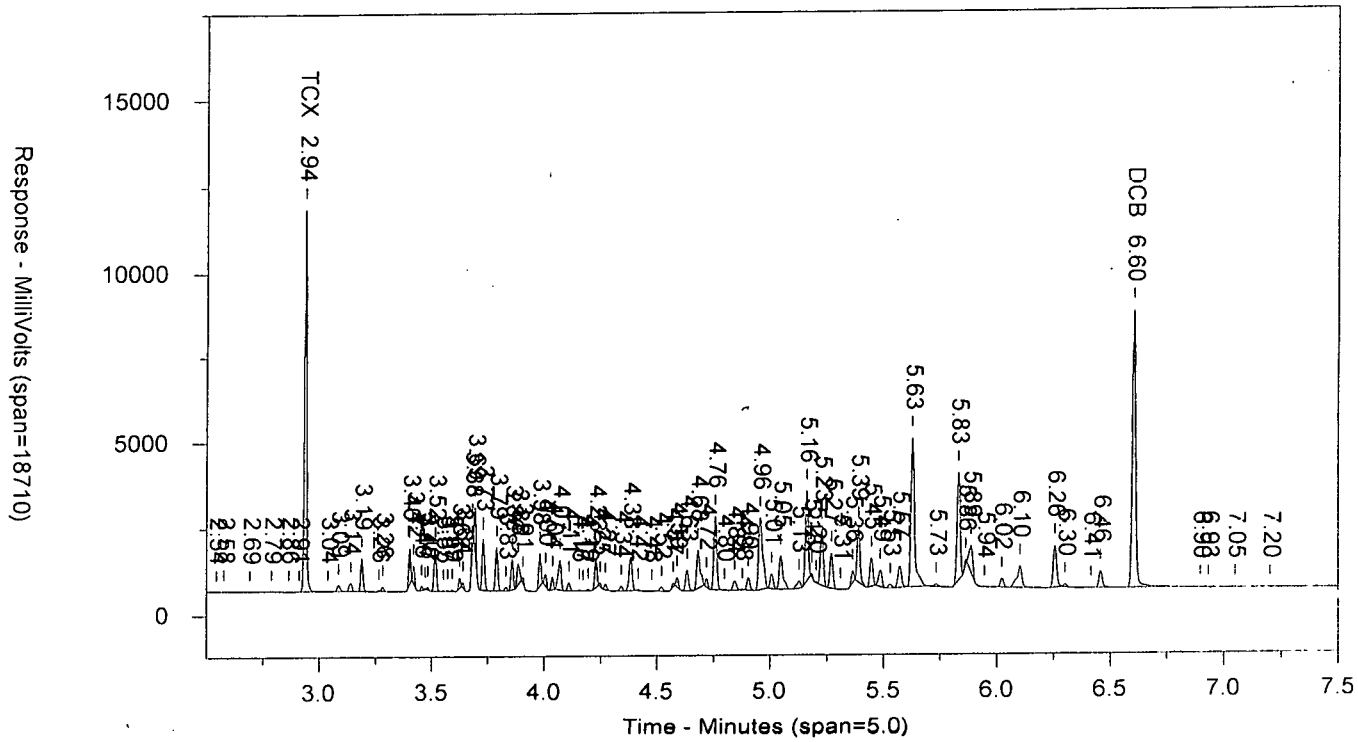

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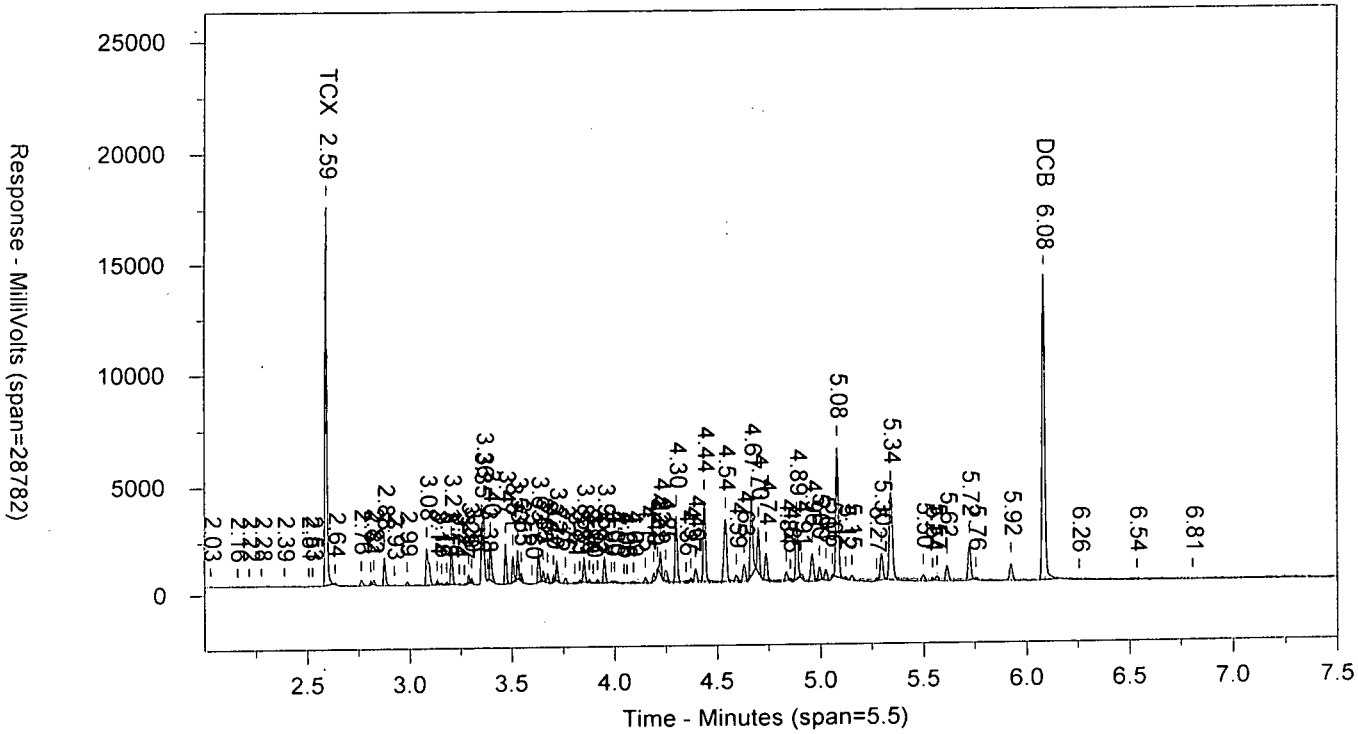

IC16X1724C AAIC16XAA CCAL 1728399999 10736 SW-846 8082

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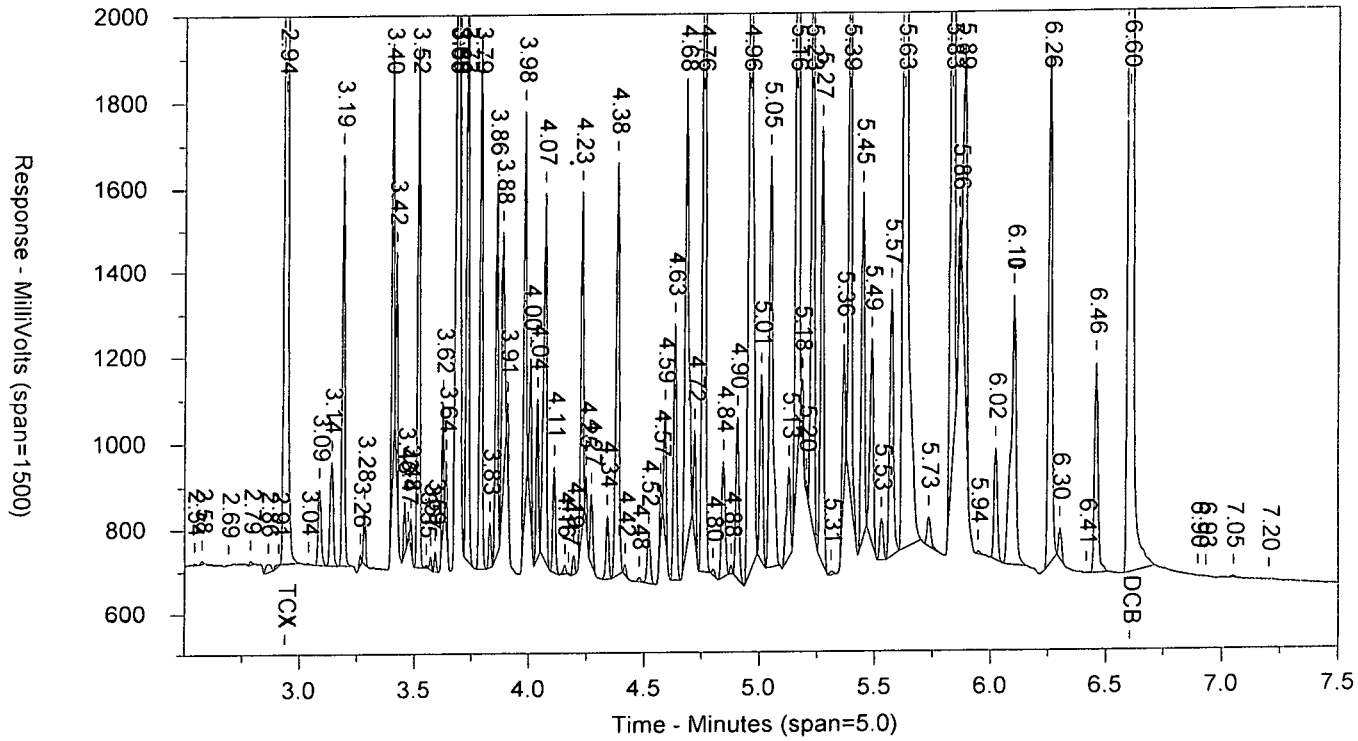

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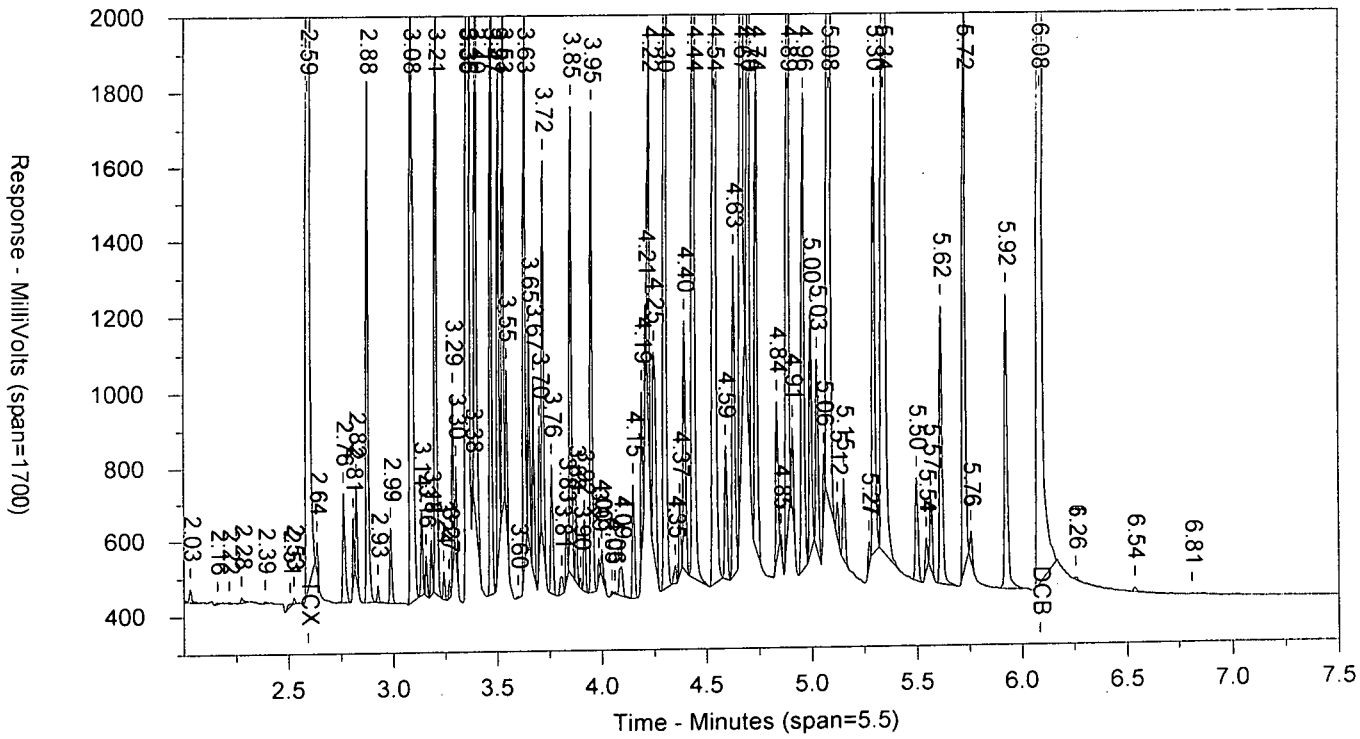

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 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: 07PCBS17284001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.515		4227	2546
1.61		20370	72635
1.648		5868	14545
1.733		3091	2198
1.915		1805	883
1.987		1737	2973
2.065		14523	42889
2.09		8812	10630
2.171		3038	3902
2.235		53580	37779
2.333		34276	33738
2.428		2555	1367
2.501		6273	9889
2.541		3702	2343
2.616		3946	2902
2.683		2086	1959
2.708		2779	1849
2.786		37714	36832
2.868		14680	22848
2.901		7932	8011
2.937	TCX	10952230	7233699
3.037		3591	2523
3.088		32135	30369
3.134		151775	116178
3.189		137999	99297
3.264		31996	20649
3.282		32110	19521
3.403		507131	308030
3.419		164022	81926
3.456		37566	20867
3.472		11284	11671
3.517		493539	357981
3.573		47319	30118
3.594		25072	16992
3.625		103704	62078
3.64		25817	11842
3.682		525594	279013
3.694		465809	228039
3.731		622014	496784
3.79		721792	541767
3.83		113039	77975
3.858		1253034	892888
3.885		834326	641372
3.906		210788	112947
3.98		1394452	1010733
4.005		436962	290133
4.036		546198	384158
4.069		1296345	1156071
4.109		443749	346168
4.155		45584	37852
4.195		155541	117108
4.228		1135025	759033
4.247		1466959	903306

RT A	Compound A	Height A	Area A
4.27		1697502	1254213
4.341		152184	139982
4.375		1092294	926152
4.395		384717	193085
4.417		416131	282586
4.458		25286	16106
4.48		94062	67703
4.521		463477	420626
4.571		622702	538194
4.603		427843	316093
4.632		1101992	979103
4.681		14644	9198
4.715		393689	378338
4.757		81632	101481
4.805		101753	92655
4.846		639841	636227
4.923		74640	99756
4.958		36111	30375
4.97		21433	13920
5.043		523390	539469
5.089		15753	12067
5.116		17954	24749
5.162		152437	140394
5.183		6993	3028
5.201		10539	6125
5.319		11440	16760
5.368		57720	48886
5.391		7925	5022
5.431		1336	346
5.44		1944	686
5.486		3527	4234
5.509		1514	415
5.528		7612	8380
5.567		37929	35518
5.591		12206	16567
5.651		43105	65809
5.787		1742	510
5.832		35755	38094
5.884		19597	53409
5.964		5906	21874
6.022		140173	138346
6.085		139374	143847
6.238		5120	11198
6.255		8712	7713
6.351		1819	489
6.425		2386	1206
6.457		124046	122704
6.501		3707	4533
6.545		1477	558
6.603	DCB	7782639	7960524
6.746		3243	3853
7.004		2890	4544
7.045		5404	5465
7.277		2412	1613
7.52		1496	573
7.575		2260	465
7.629		1376	4830
7.64		1552	374
7.856		1295	929
7.962		1858	3498
7.989		1390	737
8.002		1631	897
8.032		1382	697
8.097		2004	475
8.37		1327	1097
8.551		1269	708

RT A	Compound A	Height A	Area A
8.57		2115	1626

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 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: 07PCBS17284001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		5384	4778
1.556		3646	3781
1.683		4663	10830
1.771		6952	15633
1.795		7154	7220
1.818		8618	9296
1.863		7674	19615
1.903		109820	110011
1.968		14932	32896
2.03		35668	31477
2.125		9082	10490
2.163		4013	4820
2.223		6675	6362
2.322		8257	12666
2.385		5363	4459
2.415		6907	4743
2.509		9982	13378
2.525		58426	47475
2.591	TCX	15937480	10026430
2.69		6569	5290
2.765		47011	50133
2.809		201867	108379
2.824		15091	5133
2.876		196390	139917
2.925		43017	23297
2.949		3278	2516
2.987		53821	34877
3.033		2988	2063
3.084		847940	783894
3.135		61344	35443
3.158		23970	15760
3.181		14914	7701
3.205		675948	466329
3.244		33456	20551
3.269		68683	36209
3.289		148058	78955
3.304		51757	23576
3.354		689065	310029
3.363		670338	276656
3.383		138308	55570
3.397		663276	417797
3.471		1037047	665567
3.506		1815946	1136959
3.529		1661995	920827
3.547		545357	279059
3.599		4829	5123
3.632		2197490	1422400
3.654		684757	369535
3.675		744176	444455
3.703		342494	173654
3.721		1593746	978748
3.762		605469	433008
3.81		117728	101818
3.831		1080344	672740

3.854		3045156	1888531
3.878		2134552	1314917
3.897		153685	70799
3.917		178896	102164
3.952		900364	633596
3.986		1631501	1219134
4.014		828349	468442
4.061		118267	88512
4.095		468650	362203
4.152		951898	715230
4.184		571429	396928
4.212		1462784	1073286
4.249		22013	20475
4.304		592960	547409
4.34		148358	109324
4.373		786049	709986
4.439		96247	63663
4.463		70429	48507
4.535		130630	143168
4.589		889402	751426
4.629		40125	37196
4.668		252930	246167
4.714		25472	17909
4.737		6423	3976
4.813		2739	2104
4.855		11783	8804
4.887		11270	7677
4.911		98742	85216
4.962		10976	12177
4.998		4479	4246
5.032		7208	5174
5.06		43197	30552
5.081		23452	23398
5.154		27825	23877
5.195		6965	12873
5.272		4691	5786
5.298		12792	9938
5.344		35067	38508
5.498		148662	135564
5.567		156828	145303
5.617		10743	8958
5.726		12392	10968
5.819		1991	2891
5.876		3518	3143
5.926		199981	174616
5.955		3843	2428
6.083	DCB	14213250	13250380
6.301		3784	5036
6.535		11141	10796
6.707		2116	2094
7.184		1557	1605
8.162		10990	19977

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

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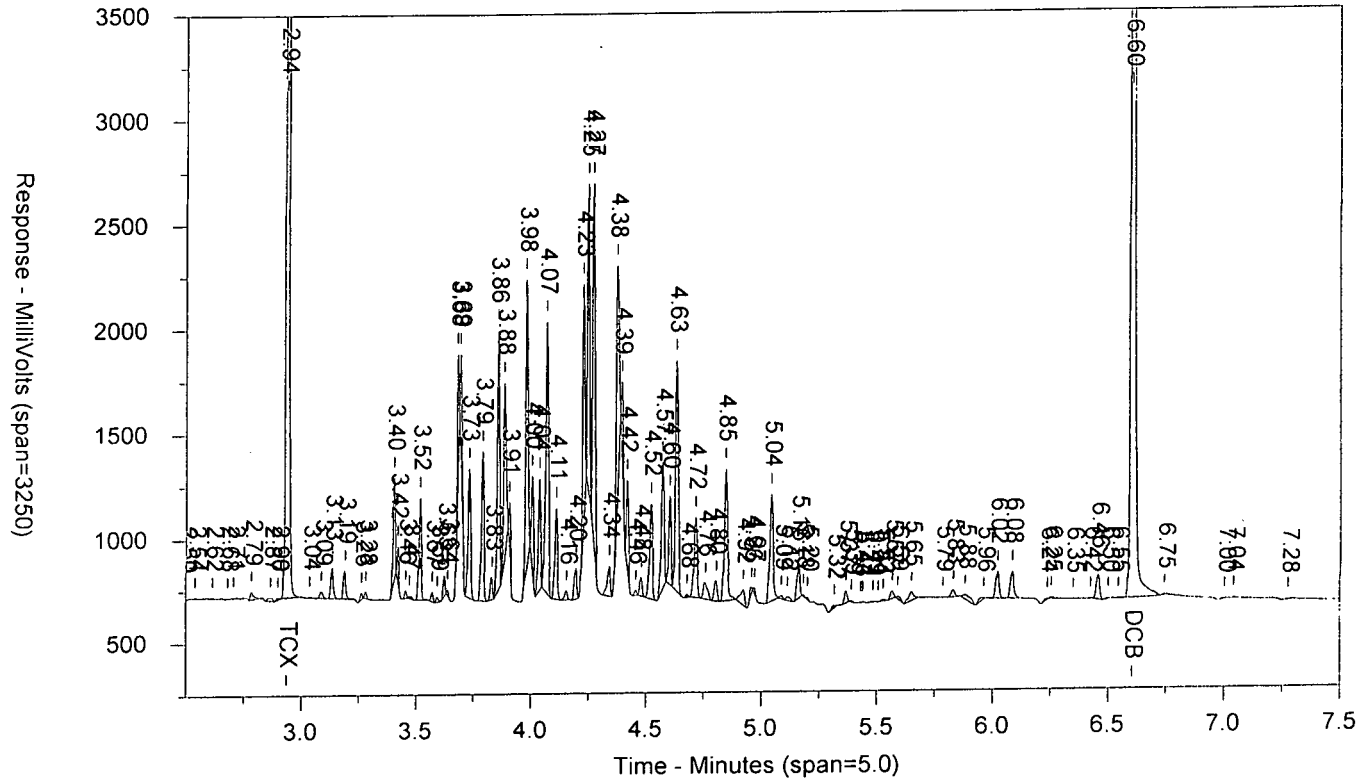

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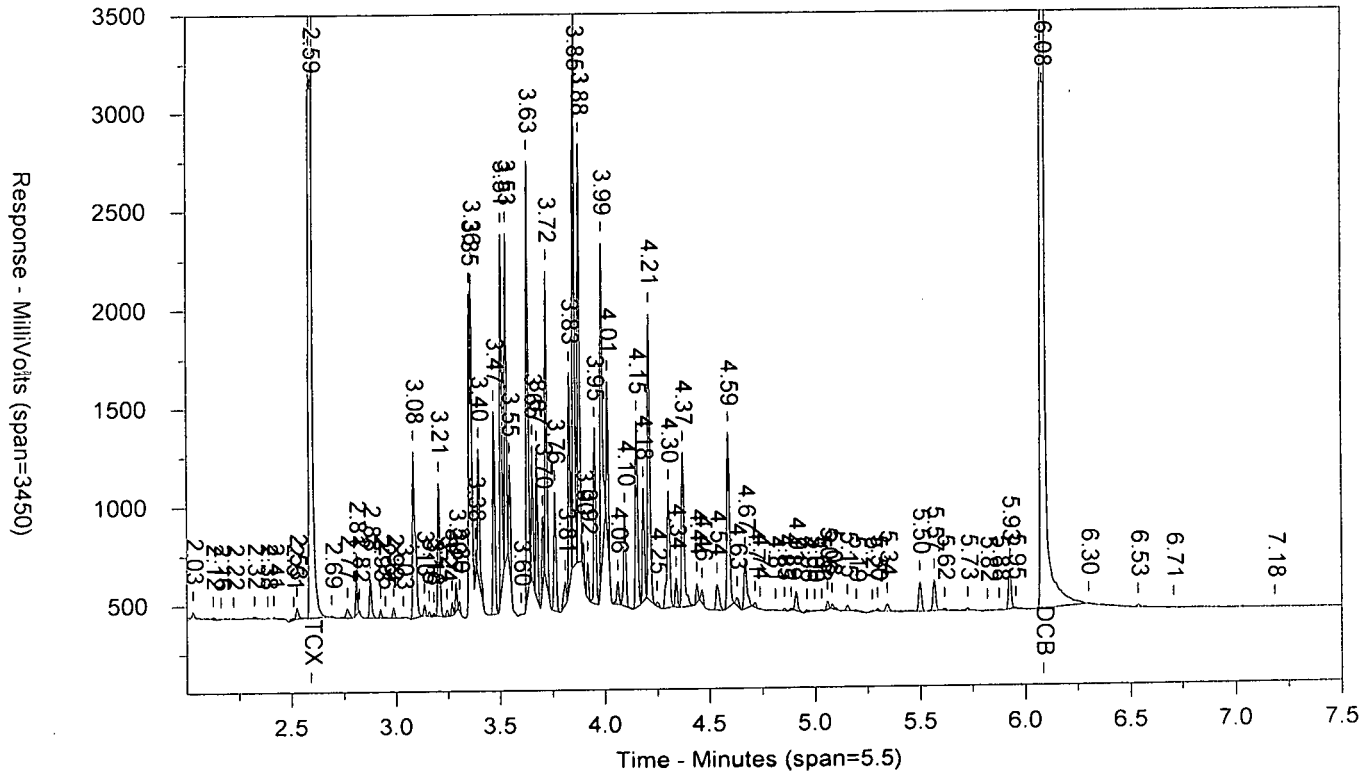

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:09:02 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	10952230	39.954	TCX	2.591	15937480	38.447	TCX
6.603	7782639	38.569	DCB	6.083	14213250	37.546	DCB

Files:
Area File: 07PCBS17284001.0033.RAW
Area File: 07PCBS17284001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:17:42 AM
File Reported On: 10/12/2017 at 1:17:53 AM

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

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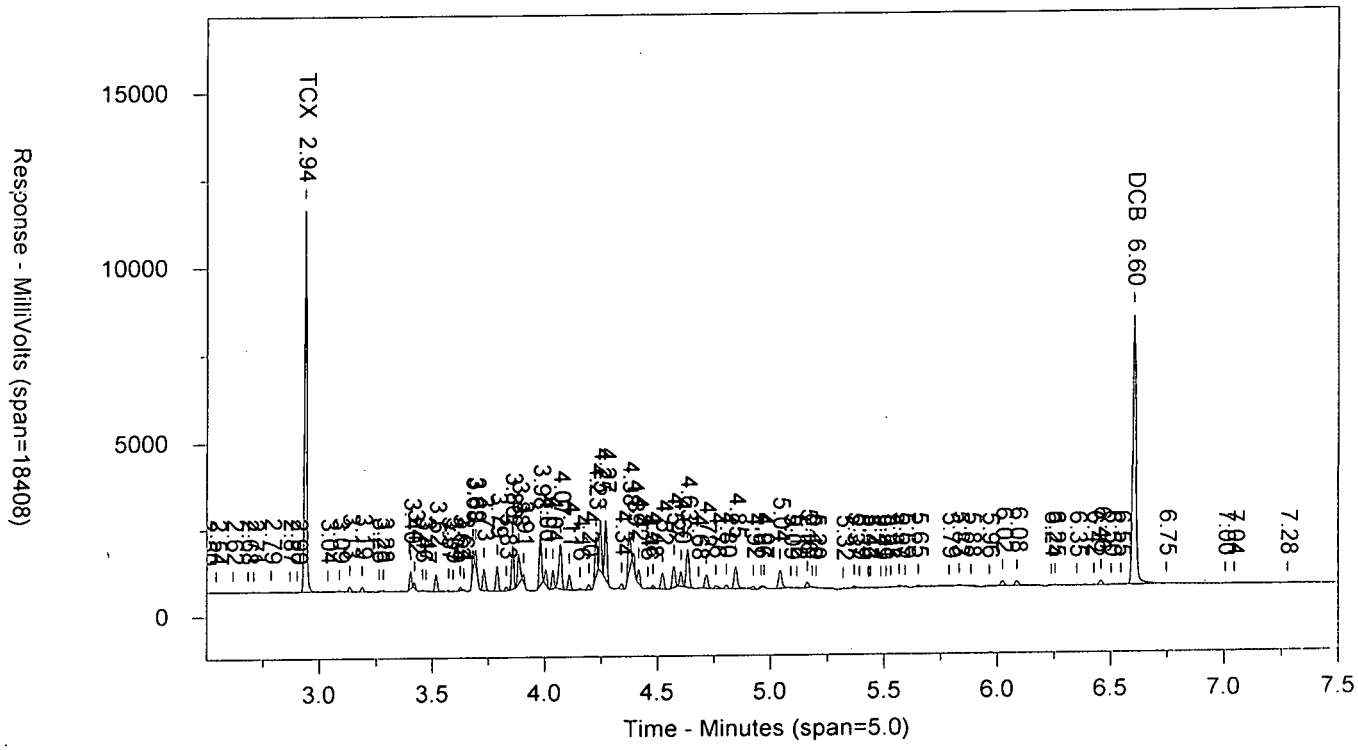

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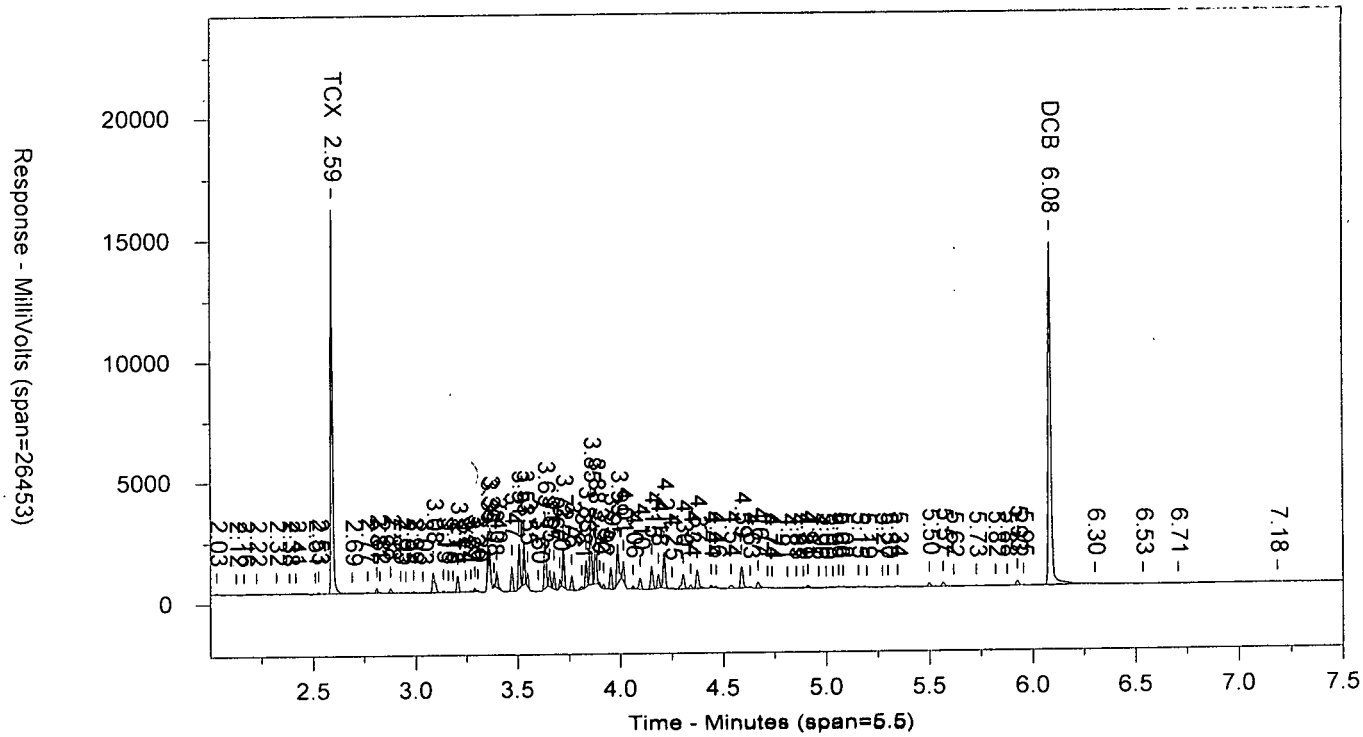

IC48X1724B AAIC48XAA CCAL 1728399999 10736 SW-846 8082

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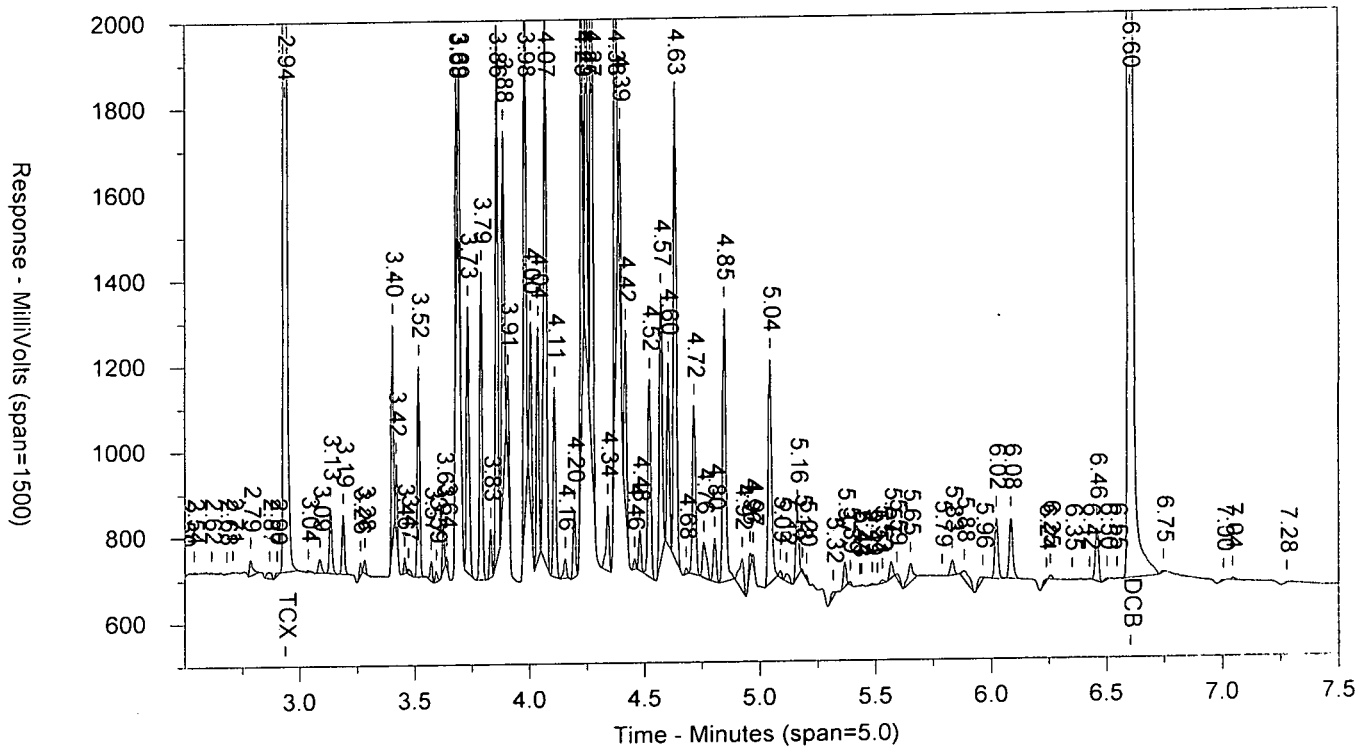

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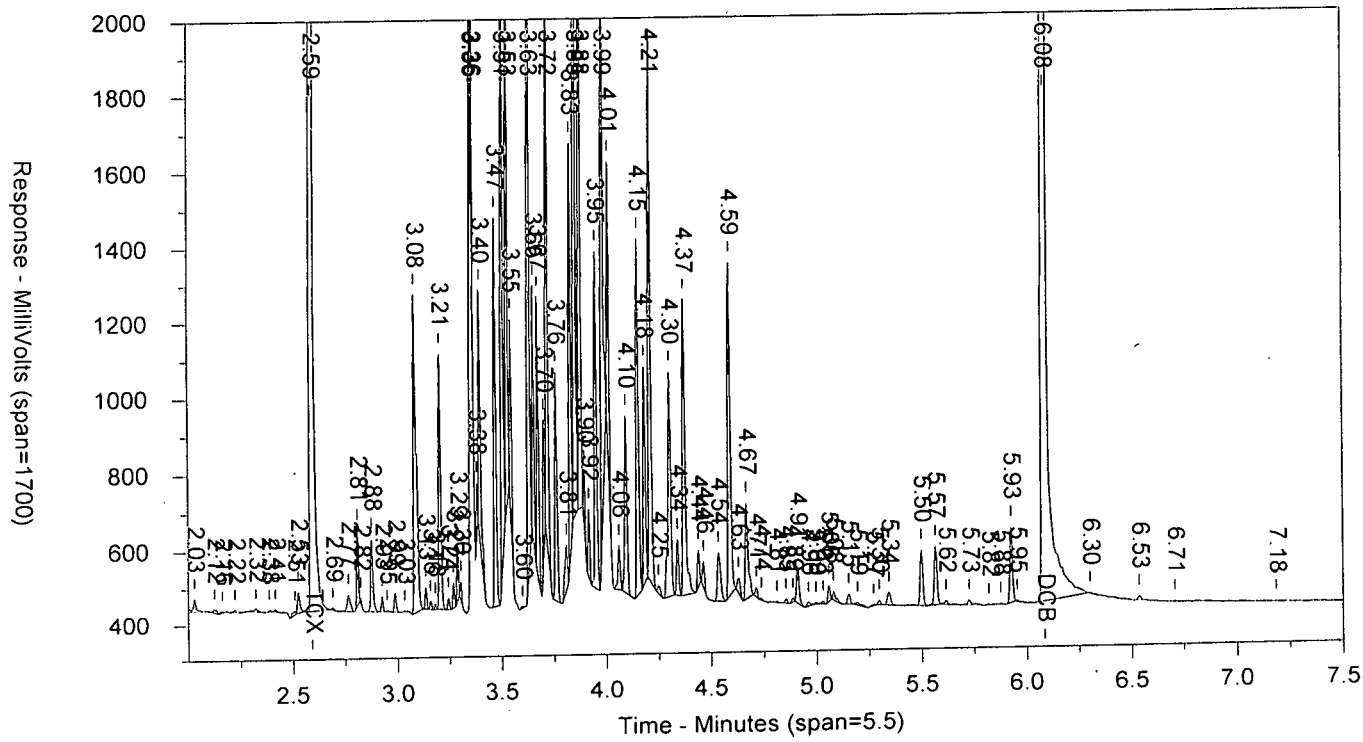

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.578		20168	17623
1.607		4656	8616
1.749		2244	2584
2.006		16528	37553
2.058		13167	27465
2.091		8481	8967
2.234		27031	16949
2.333		30938	25317
2.498		5662	6934
2.593		2752	1225
2.713		2317	1863
2.785		32965	28075
2.856		3933	2305
2.9		6651	6611
2.937	TCX	5294972	3565932
3.089		9350	9582
3.134		77298	57006
3.188		23045	17522
3.264		18017	13201
3.404		49721	30895
3.42		11197	6330
3.473		16498	11952
3.517		46440	34668
3.572		20591	13551
3.594		38062	24352
3.627		10112	5754
3.639		4197	1859
3.683		34342	18551
3.694		17389	18129
3.732		94333	77048
3.789		60084	45273
3.83		7886	5072
3.858		1089079	781350
3.884		308347	293453
3.926		3373	2960
3.981		672030	515812
4.005		48282	26728
4.037		82015	58320
4.069		320063	287621
4.109		67354	52528
4.143		4559	2803
4.157		5266	2383
4.174		4749	2566
4.193		67505	49878
4.229		1649910	1157185
4.248		646469	375149
4.273		556613	441202
4.34		549994	453400
4.384		2602494	2823482
4.417		1065703	857802
4.458		44117	28432
4.48		193053	148340
4.522		977889	884503

RT A	Compound A	Height A	Area A
4.572		1844966	1573661
4.603		449409	297128
4.634		3766791	3188146
4.682		195548	134288
4.697		52222	22501
4.716		467337	354486
4.737		3816	966
4.758		1084083	1100720
4.804		222531	198115
4.845		1974967	1941474
4.876		32765	18985
4.905		211242	167931
4.924		32645	18470
4.957		1133326	1757901
5.007		28050	21852
5.044		1286153	1382636
5.09		176108	130714
5.115		66945	45368
5.127		45662	29016
5.162		2064778	1861182
5.184		113551	60457
5.201		81928	44716
5.227		87233	67022
5.271		107699	124190
5.309		3745	2723
5.368		593556	532264
5.39		157228	111275
5.447		97232	84842
5.487		89035	88302
5.528		18769	17195
5.567		473890	452318
5.592		60755	39711
5.627		425946	483317
5.773		1850	1082
5.832		410554	388429
5.861		58674	58035
5.945		2266	1313
6.002		1579	877
6.022		63628	58839
6.085		66729	99275
6.236		1497	1696
6.256		23190	22509
6.297		1373	460
6.332		1964	897
6.354		1563	807
6.426		1431	350
6.458		52692	49816
6.551		1402	535
6.603	DCB	3709275	3965316
6.742		2168	1602
6.871		1435	783
6.981		1111	398
7.019		1550	482
7.103		1347	463
7.118		2156	791
7.272		1846	1643
7.34		1785	651
7.362		1632	842
7.619		873	357
7.699		1524	1002
7.737		1434	397
7.783		1531	559
7.851		1392	737
7.901		1469	321
7.913		1547	627
7.936		1641	491

RT A	Compound A	Height A	Area A
7.956		1508	430
8.071		1004	435
8.116		1308	404
8.258		1245	734
8.365		1637	624
8.396		1772	800
8.444		1524	1017
8.473		1601	513
8.556		1711	597
8.648		1642	483

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		2567	1446
1.723		3396	1627
1.752		2222	2428
1.795		3779	2876
1.901		71139	61757
1.967		11124	16766
2.03		17265	12836
2.134		7700	7884
2.158		3822	3771
2.222		3741	2321
2.319		3782	3599
2.389		3260	2487
2.415		3113	2108
2.509		7859	9719
2.526		56064	50652
2.591	TCX	7743228	4880953
2.691		4470	3413
2.766		12297	14679
2.809		111654	73583
2.877		33777	28587
2.926		20970	12211
2.991		5384	5605
3.085		85565	96754
3.136		4252	2539
3.159		22330	16696
3.182		2227	1020
3.207		61207	45218
3.244		44217	28676
3.27		25306	12948
3.29		11798	5907
3.305		11795	7119
3.354		91138	95617
3.384		29542	13401
3.399		83348	63194
3.472		81800	57434
3.506		1558336	968853
3.529		493178	289098
3.547		41655	17177
3.599		3318	3165
3.632		966452	622603
3.655		71749	36122
3.676		109521	74975
3.705		56532	28034
3.721		349723	209242
3.761		98177	70053
3.802		81373	65889
3.832		299613	171503
3.853		3463971	2333978
3.878		336830	185218
3.897		357256	197842
3.917		635967	399644
3.952		3249651	2174846
3.984		1131409	681944
4		647090	337865

4.061		240893	180668
4.096		1116649	863704
4.152		2660998	1905737
4.185		689169	535424
4.212		4596258	3436034
4.25		322003	311624
4.303		2146606	1819341
4.34		309715	239720
4.373		2681706	1948775
4.397		422938	264726
4.439		1846473	1384627
4.463		65006	37186
4.537		1549053	1665856
4.59		2021006	1716223
4.63		544600	460720
4.669		3515882	3371330
4.714		226985	147513
4.738		108368	75540
4.797		36644	40037
4.837		9448	5306
4.856		153592	123218
4.888		159518	107473
4.912		1067135	857672
4.961		146028	120078
4.998		116112	98023
5.029		71846	57847
5.06		511690	375120
5.083		413179	359448
5.154		21450	17455
5.276		1904	1000
5.298		20369	16833
5.341		480264	545810
5.499		65881	58838
5.546		19211	12926
5.568		56803	44104
5.616		22890	20849
5.726		30308	26490
5.926		85912	73359
6.084	DCB	7060797	6661155
6.536		5804	5539
6.968		1358	1206
8.162		10655	18713

IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

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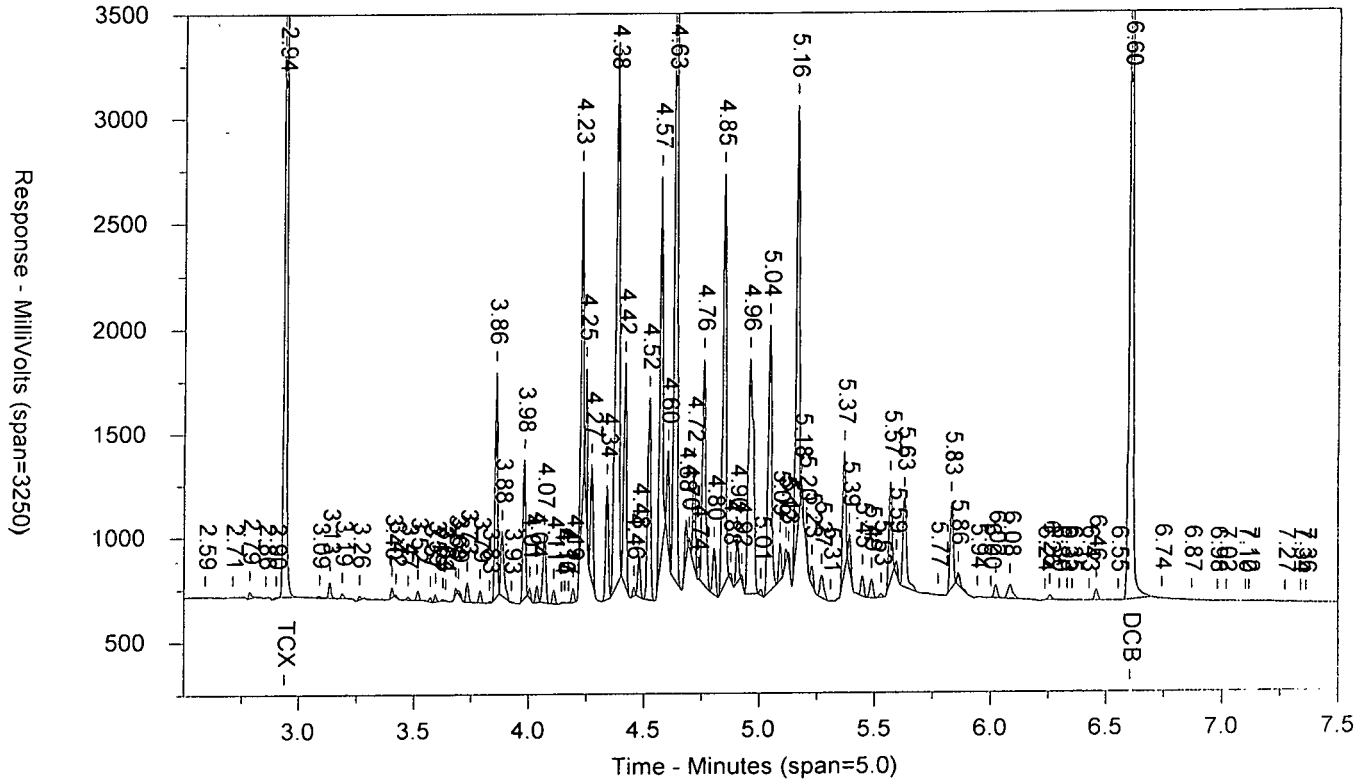

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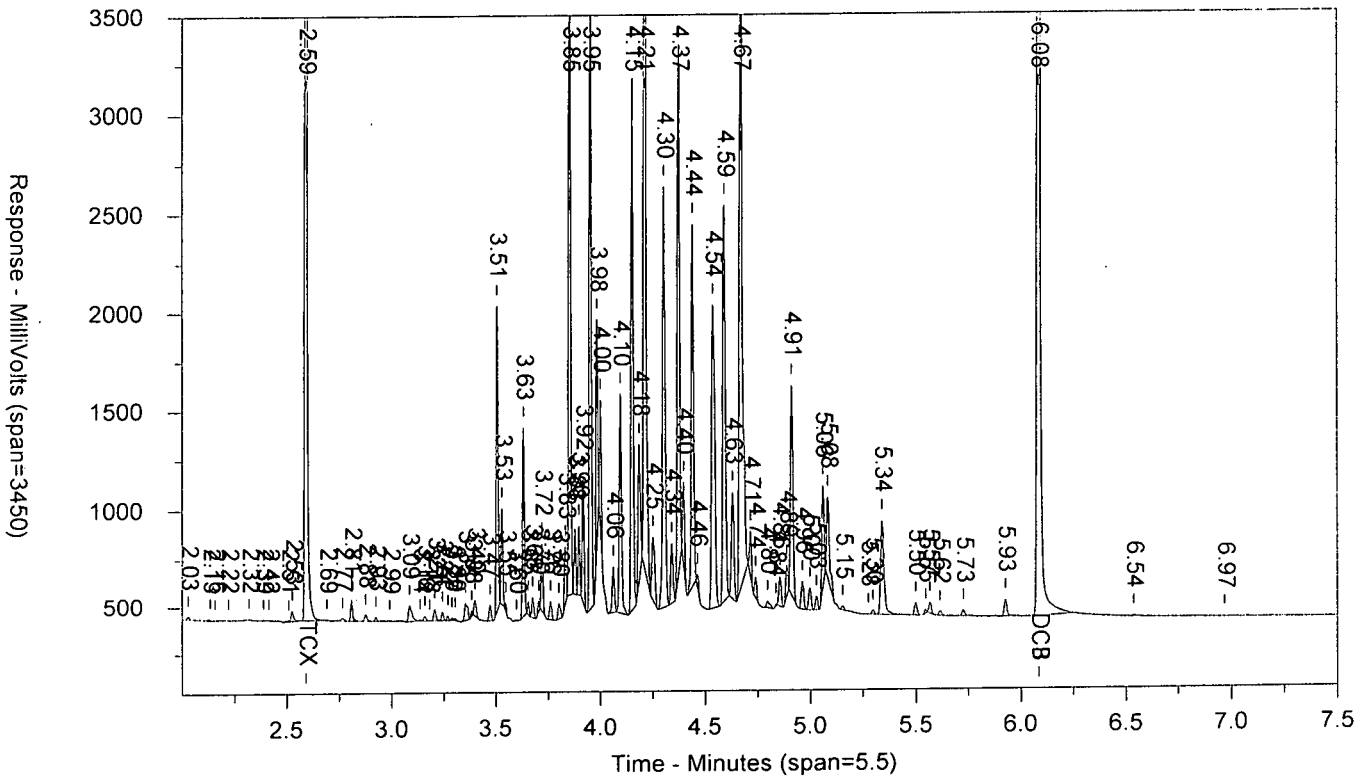

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 1:20:28 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	5294972	19.316	TCX	2.591	7743228	18.68	TCX
6.603	3709275	18.382	DCB	6.084	7060797	18.652	DCB

Files:
Area File: 07PCBS17284001.0034.RAW
Area File: 07PCBS17284001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 1:29:12 AM
File Reported On: 10/12/2017 at 1:29:27 AM

IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

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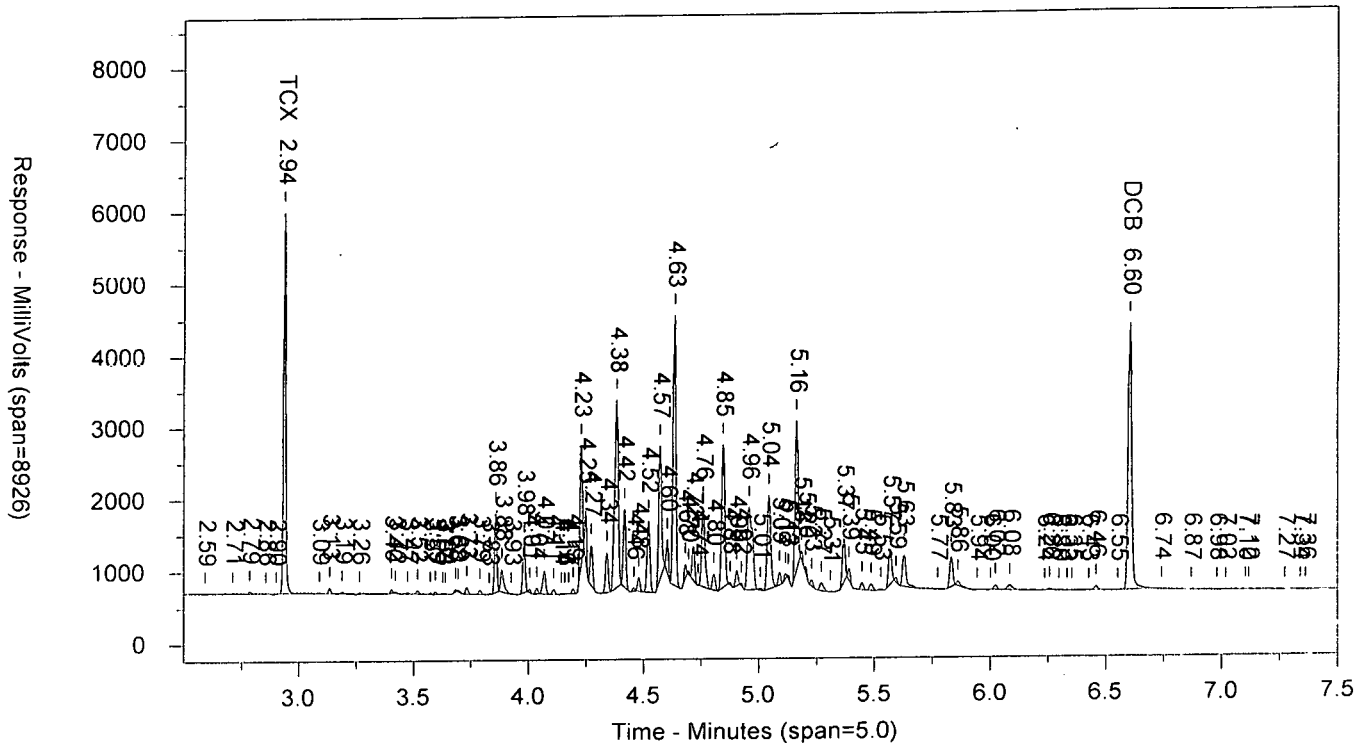

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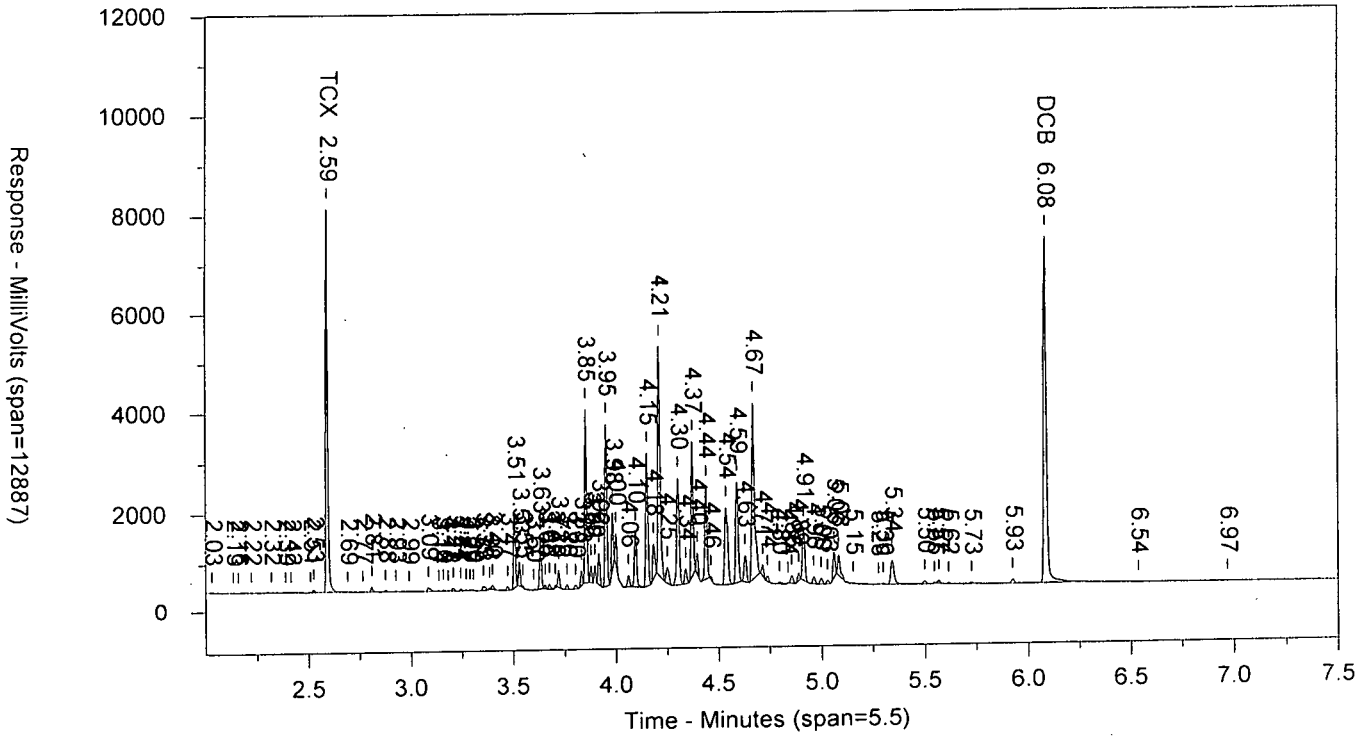

IC54X1724B AAIC54XAA CCAL 1728399999 10736 SW-846 8082

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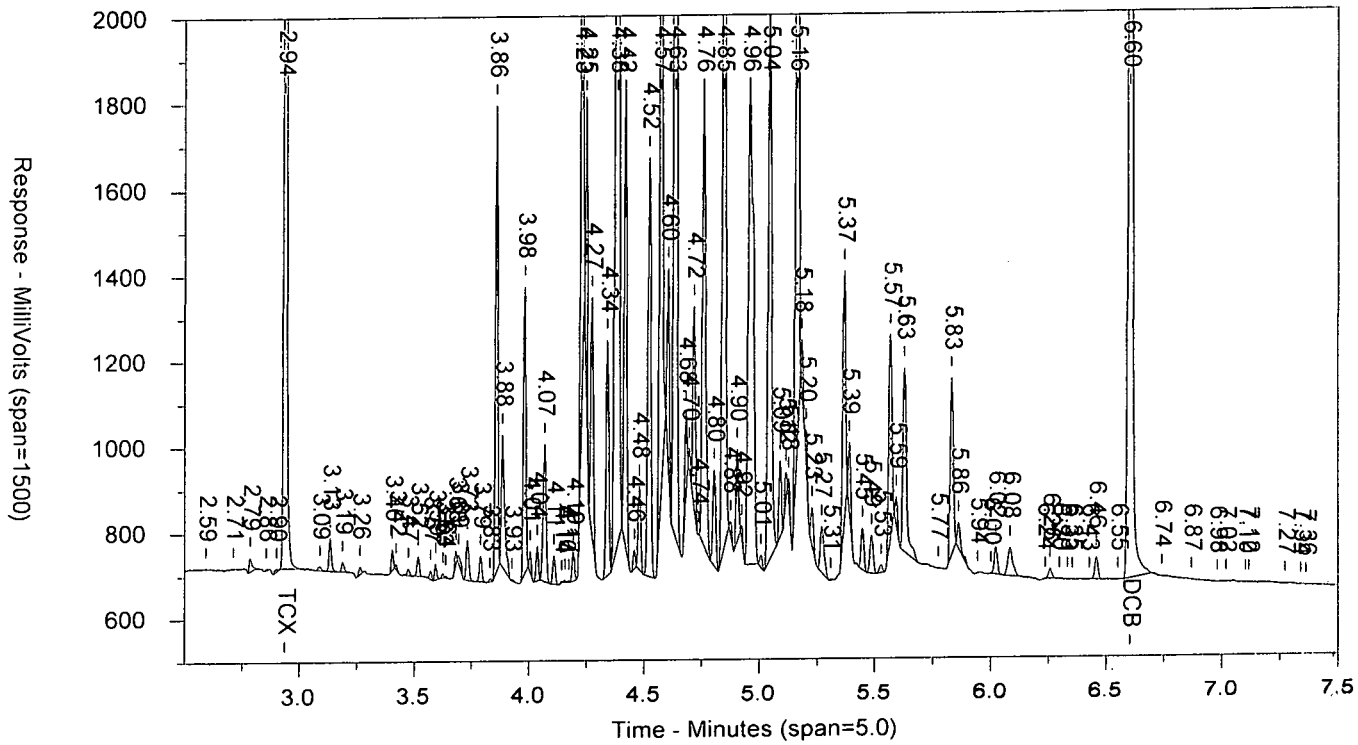

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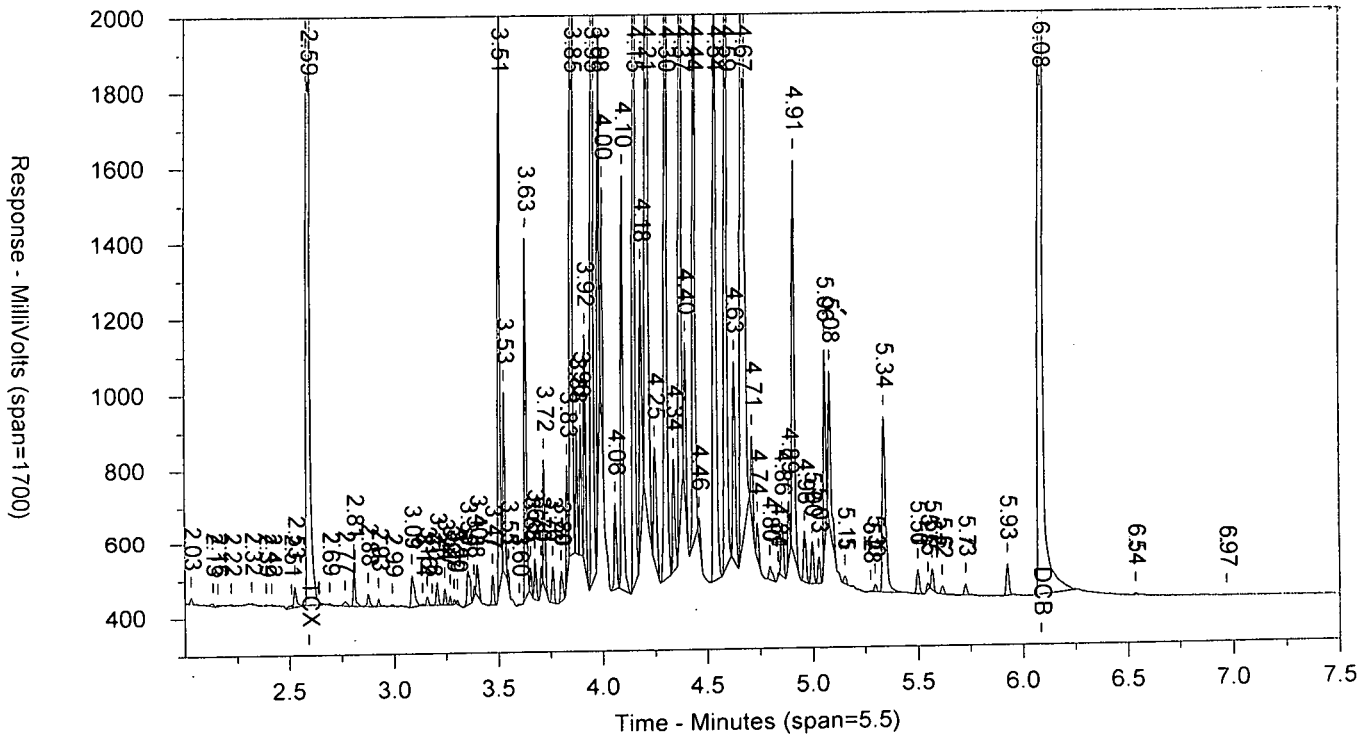


LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 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: 25PCBs17289001.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.007		415	219
2.036		13346	13684
2.086		8496	18864
2.166		1002	1241
2.231		13249	10514
2.302		451	170
2.331		15021	13076
2.366		2456	2392
2.49		9922	11180
2.533		1545	2191
2.59		839	511
2.693		341	1318
2.705		679	516
2.746		1676	2743
2.778		9518	7618
2.847		678	709
2.895		6974	6141
2.93	TCX	2942936	2022009
3.024		1425	1483
3.048		507	297
3.075		374	352
3.103		630	698
3.127		37620	24404
3.178		569	336
3.258		13532	12575
3.337		620	597
3.386		1209	1283
3.405		931	1270
3.503		3130	3536
3.541		969	905
3.568		7326	4761
3.604		6869	6692
3.673		2974	3090
3.716		2235	2198
3.774		1998	2268
3.799		1685	1674
3.851		438	364
3.894		617	312
3.929		6231	6607
3.987		1293	1322
4.024		999	852
4.082		624	566
4.166		7428	7601
4.208		961	928
4.269		9179	13428
4.361		2161	3708
4.419		644	603
4.501		264	303
4.547		784	306
4.567		989	736
4.61		7299	9061
4.646		341	185
4.678		617	466
4.709		649	683

RT A	Compound A	Height A	Area A
4.748		1291	1057
4.874		2337	2034
4.924		1050	839
4.969		7820	11637
5.033		1056	1230
5.113		5049	5108
5.156		291	176
5.195		487	447
5.323		7992	13803
5.42		296	2694
5.443		1314	1586
5.518		4570	5447
5.572		351	511
5.599		470	433
5.644		15283	21920
5.72		5928	6066
5.793		459	299
5.83		608	915
5.89		580	1319
5.907		323	170
5.956		5884	7888
6.014		23908	24692
6.077		23601	28698
6.143		429	740
6.242		8294	35801
6.304		591	1628
6.331		515	204
6.358		767	374
6.382		988	669
6.451		18639	16833
6.512		5963	8208
6.561		670	177
6.601	DCB	2157227	2248975
6.7		667	693
6.723		395	308
6.741		616	435
6.769		3053	4193
6.884		5715	20672
6.959		592	280
6.99		344	297

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 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: 25PCBs17289001B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

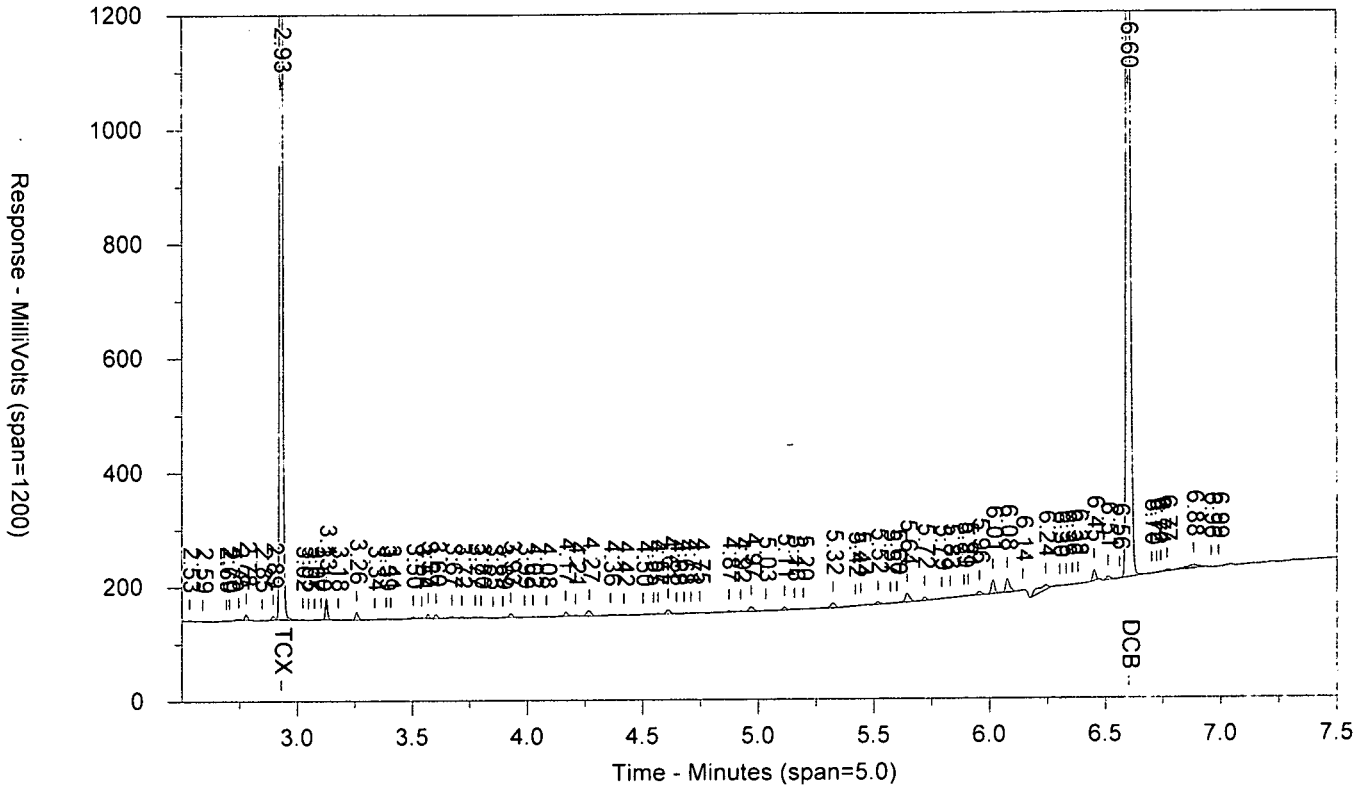
RT B	Compound B	Height B	Area B
2.054		9260	7324
2.156		9436	20892
2.188		3958	3468
2.206		2224	1455
2.234		5025	5417
2.359		2832	4225
2.412		3097	4298
2.495		10692	19657
2.533		3513	2583
2.547		15695	13274
2.592		1450	624
2.614	TCX	5263363	3114761
2.7		2694	4052
2.777		4981	13607
2.832		74325	47683
2.876		1932	5185
2.948		14542	9073
3.069		3775	7596
3.123		2156	4501
3.151		521	78
3.161		465	162
3.167		869	239
3.183		3505	1735
3.198		723	181
3.218		672	149
3.224		694	211
3.248		518	114
3.256		685	118
3.266		702	298
3.291		16753	11920
3.312		911	354
3.327		7479	4583
3.352		8845	5338
3.382		5801	7109
3.399		807	164
3.405		772	194
3.426		441	122
3.45		4820	3262
3.472		761	124
3.48		1322	753
3.504		834	189
3.513		742	167
3.531		1026	405
3.559		5901	4791
3.579		731	311
3.597		2477	2820
3.632		817	807
3.638		835	252
3.643		475	79
3.658		541	75
3.669		704	172
3.678		461	78
3.705		931	533
3.715		1370	488

RT B	Compound B	Height B	Area B
3.732		1218	763
3.766		663	393
3.771		1199	1114
3.813		2094	2121
3.889		4750	8289
3.922		789	235
3.943		18895	20204
4.033		1473	1189
4.075		12476	24022
4.149		7148	10225
4.195		2088	1507
4.232		4116	3613
4.298		983	389
4.349		1020	390
4.377		3315	6126
4.438		7757	12089
4.498		1595	2146
4.53		1341	611
4.543		2980	2739
4.613		1503	879
4.641		3611	2732
4.666		7539	6193
4.737		2425	11240
4.762		1611	1981
4.809		873	426
4.834		4069	3756
4.874		868	771
4.894		1202	337
4.933		1683	1879
4.958		2810	3540
5.016		759	4301
5.054		7574	6351
5.104		1282	885
5.146		1064	668
5.177		22234	18112
5.22		953	235
5.237		3487	8056
5.296		3686	5003
5.338		45696	73238
5.395		24040	73123
5.431		1128	867
5.467		1826	1454
5.517		56771	55939
5.585		52781	54218
5.637		9567	8755
5.66		1063	227
5.682		1885	1774
5.724		972	901
5.765		778	1379
5.797		3747	4811
5.849		2330	5851
5.87		901	287
5.897		1265	1223
5.939		57557	50222
5.97		1905	963
6.004		7754	7458
6.051		1738	2142
6.098	DCB	7197141	5997011
6.216		3621	3458
6.242		1720	1858
6.311		3135	2314
6.333		1228	621
6.364		704	453
6.406		3223	5691
6.47		1912	2047
6.548		8211	7428

RT B	Compound B	Height B	Area B
6.578		1436	879
6.614		1975	1726
6.718		3821	7895
6.756		1782	581
6.782		1407	437
6.853		1364	1200
6.875		2950	3734
6.921		2103	3201

IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.005.RAW



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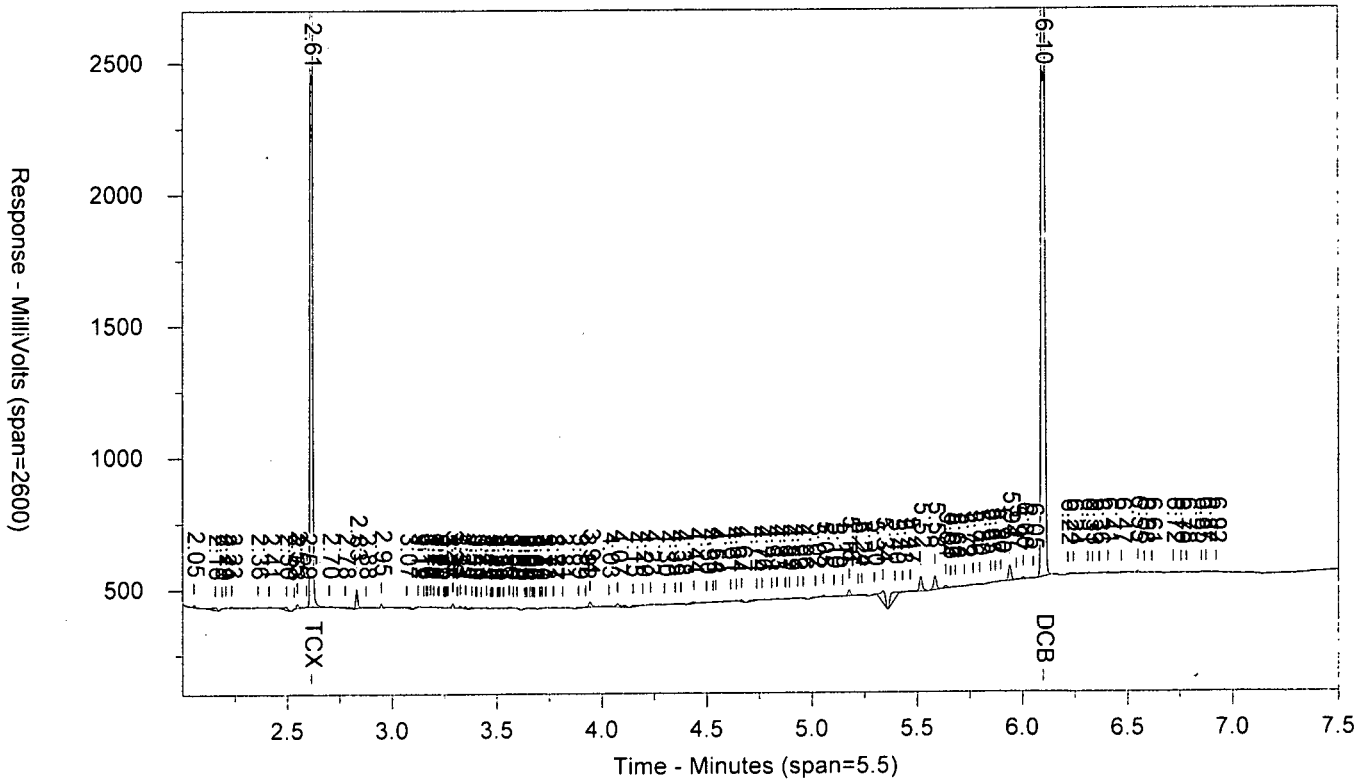

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:28:16 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2942936	.201	TCX	2.614	5263363	.198	TCX
6.601	2157227	.189	DCB	6.098	7197141	.194	DCB

Files:
Area File: 25PCBs17289001.005.RAW
Area File: 25PCBs17289001B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:36:47 PM
File Reported On: 10/17/2017 at 4:14:58 PM

IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

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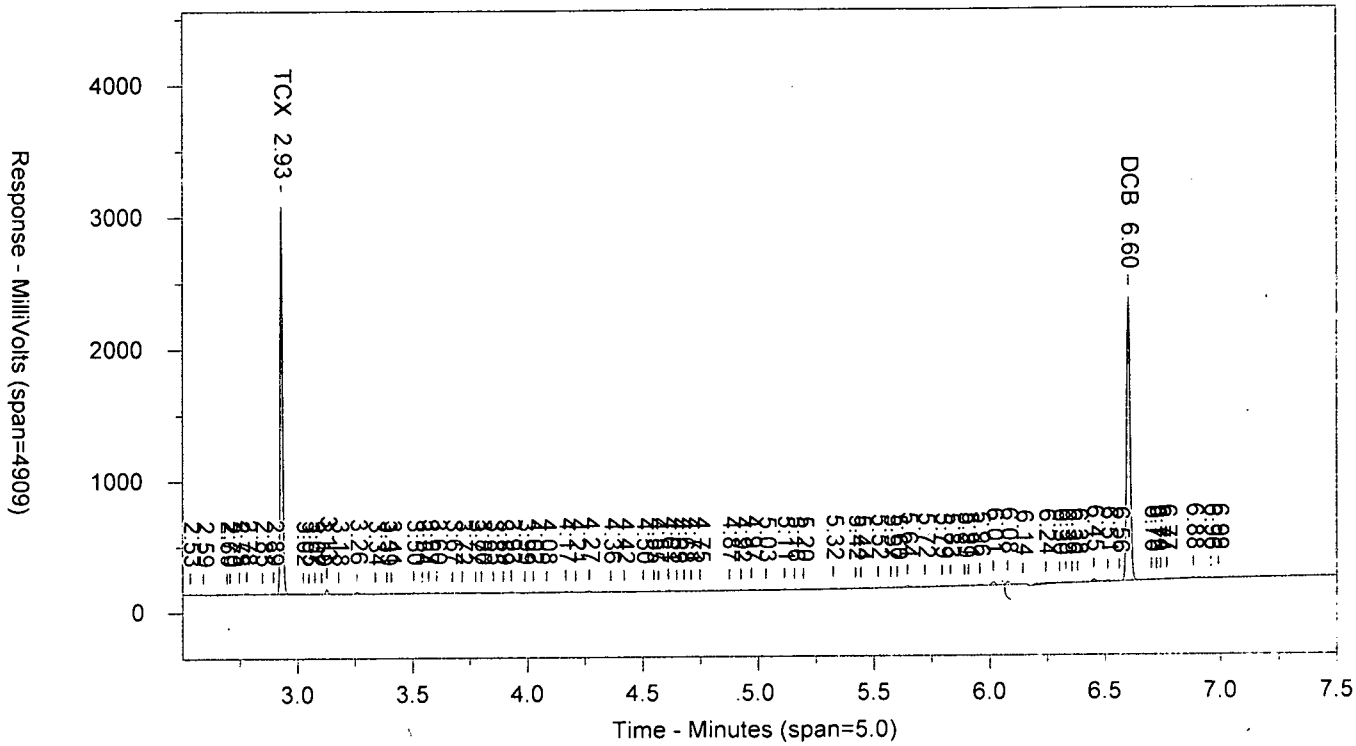

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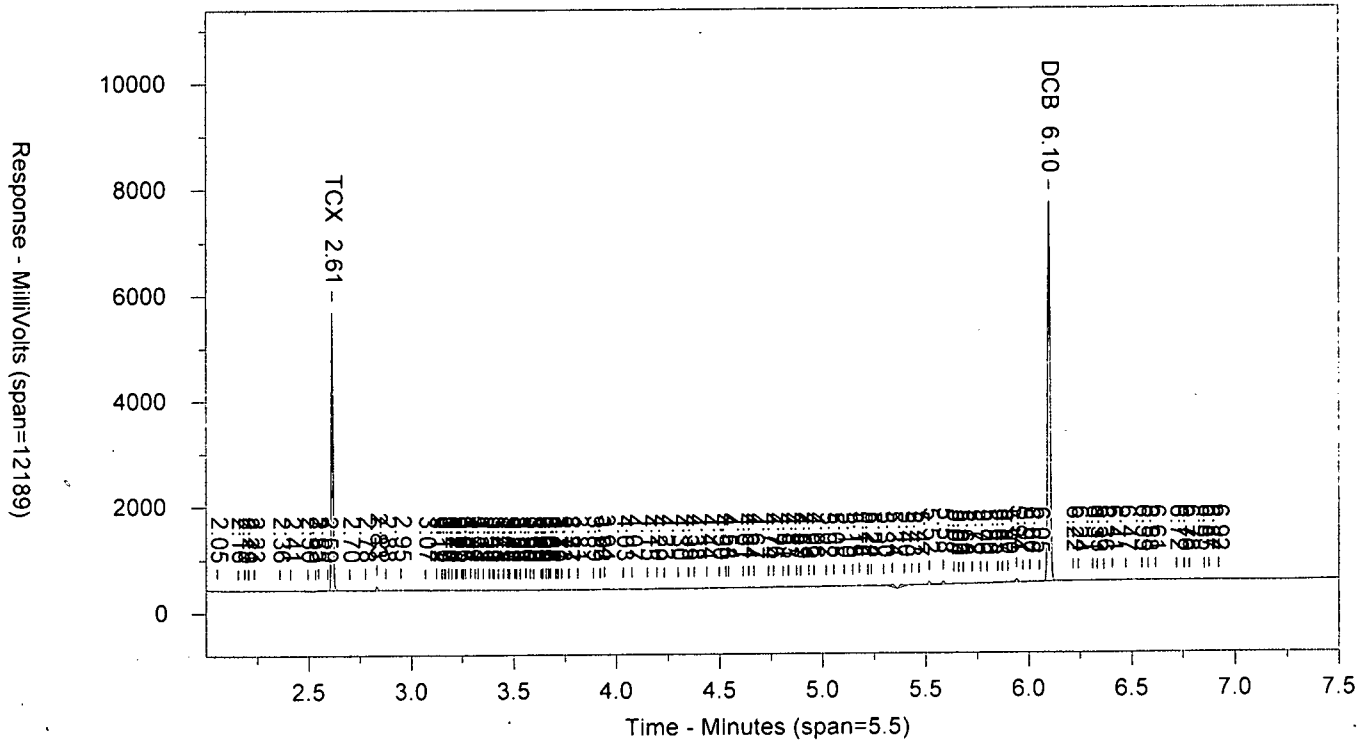

IBLKX1724B AAPIBLKAA PIBLK1728899999 10225 SW-846 8082

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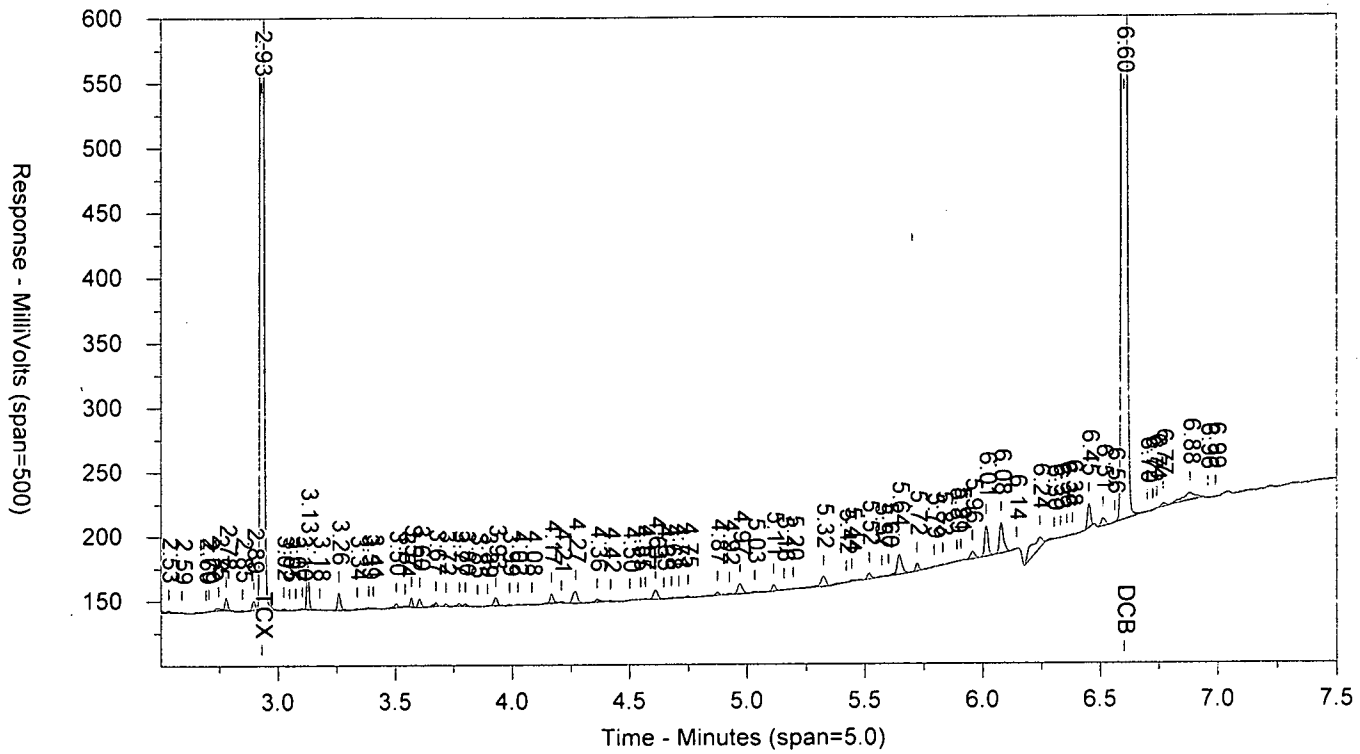

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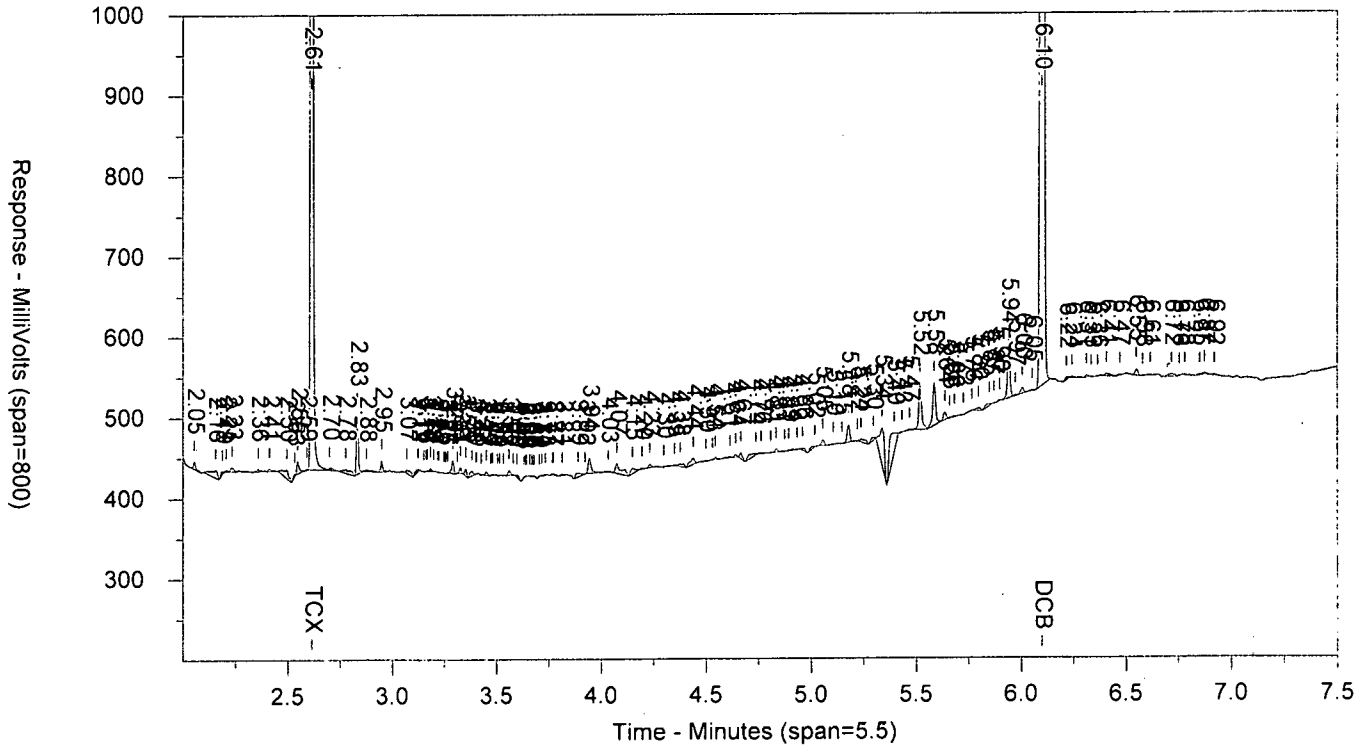

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 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: 25PCBs17289001.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.035		6670	8533
2.086		6835	10053
2.13		9332	6487
2.209		647	431
2.231		12501	9430
2.334		69114	49873
2.368		1971	2017
2.504		80399	57498
2.536		1642	2387
2.589		742	394
2.606		764	487
2.65		388	463
2.687		408	298
2.71		855	615
2.737		658	295
2.778		8165	6829
2.87		1293	766
2.897		2560	1988
2.931	TCX	2908829	1976755
3.019		1208	912
3.055		415	297
3.096		758	1447
3.127		36577	25394
3.177		393	126
3.207		1981343	1310126
3.258		9152	6352
3.307		13476	9682
3.364		894	594
3.404		1518591	988378
3.44		8815	6092
3.487		746	470
3.515		643727	450185
3.568		4501	2898
3.603		3312	3305
3.629		1106	576
3.671		1345	2007
3.691		74821	52254
3.715		3815	2156
3.756		1823	1034
3.775		2138	1361
3.809		140665	112225
3.837		17013	10518
3.855		2144	888
3.922		2577	3718
3.953		645	434
3.998		7873	8696
4.044		12014	8448
4.078		42193	35074
4.123		7876	6621
4.166		142199	113863
4.199		28333	19248
4.217		26445	15579
4.267		6782	13060
4.336		11066	11877

RT A	Compound A	Height A	Area A
4.376		267287	244308
4.461		2188	1393
4.482		8662	10337
4.526		63873	61123
4.569		61463	49851
4.612		3191	3301
4.639		3171	2343
4.691		211651	206325
4.792		274492	259782
4.831		3728753	3471358
4.881		44762	32100
4.934		513637	484971
5.018		102222	109823
5.084		142362	134743
5.113		2249	1468
5.141		2790	2072
5.173		3292621	3234240
5.248		22149	26122
5.327		4835	6318
5.389		561756	570483
5.432		4407	2640
5.479		9620	8196
5.531		3865843	3725238
5.571		121101	96395
5.611		659564	631587
5.642		6403	4990
5.719		867	614
5.755		476	292
5.805		455	1053
5.83		433	379
5.865		902	1163
5.895		398	210
5.925		463	270
5.958		2703	3820
6.015		25438	25650
6.077		23802	27370
6.154		663	918
6.17		434	281
6.214		602	837
6.242		2249	3026
6.287		1173	1750
6.323		433	292
6.362		555	163
6.389		462	404
6.425		470	603
6.451		20760	21765
6.51		4116	5148
6.599	DCB	2247239	2307957
6.69		608	265
6.706		828	354
6.744		658	812
6.778		762	1255
6.796		674	159
6.826		808	855
6.857		611	342
6.882		3309	7494
6.986		924	939

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 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: 25PCBs17289001B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.054		8781	5461
2.119		1212	1223
2.155		108085	66210
2.187		2591	1924
2.207		6876	4554
2.236		5081	5738
2.268		2058	1975
2.322		155257	90204
2.369		3404	4481
2.411		3654	3335
2.473		1708	1397
2.548		20191	29527
2.594		1538	770
2.615	TCX	5132797	3045934
2.704		5940	6949
2.801		2557	2690
2.832		73256	44307
2.887		3627	5440
2.96		3537751	1919271
3.06		752	291
3.065		577	79
3.078		27796	18894
3.114		17980	12425
3.142		843	313
3.169		2581685	1470139
3.223		745	200
3.234		796	130
3.239		1751	974
3.268		6685	4385
3.291		8174	4796
3.311		2473	966
3.327		8736	4577
3.35		1217528	702797
3.378		360	173
3.383		1552	554
3.41		4129	2388
3.433		6104	3543
3.451		16910	8735
3.472		388159	261954
3.504		37351	23018
3.546		18272	11965
3.562		3578	1937
3.584		1013	218
3.595		3158	2375
3.624		3136	2230
3.649		5589	3841
3.66		639	94
3.67		8091	4400
3.692		580	205
3.713		3406	1834
3.727		498	91
3.747		1025	661
3.762		262601	154965
3.778		50896	23222

RT B	Compound B	Height B	Area B
3.794		14053	5630
3.81		11842	6014
3.838		82555	54205
3.859		77360	45638
3.895		9216	11588
3.919		1020	712
3.943		18720	15451
3.972		5094	2299
3.993		593753	412903
4.02		11244	6429
4.073		11248	12130
4.108		5530	3336
4.124		7273	3462
4.148		129010	109312
4.192		13223	11643
4.243		146771	128058
4.301		4098	4430
4.34		1149	770
4.367		447418	344718
4.424		8185892	6103246
4.465		150438	115005
4.518		1240879	965433
4.559		27128	19457
4.582		6574	5383
4.629		182229	145687
4.66		12840	9416
4.695		7714388	5751459
4.754		308854	242186
4.787		17713	12821
4.818		5256	4694
4.867		41462	38576
4.902		5122	3534
4.938		1695	1115
4.992		1677	770
5.021		986867	959458
5.124		8377221	6594391
5.179		49130	36909
5.198		15132	8481
5.243		8584	12460
5.301		1638786	1360961
5.354		90056	77227
5.421		1593	1435
5.474		371	1005
5.518		54706	50789
5.586		52865	47663
5.635		8383	7628
5.672		1304	781
5.693		856	498
5.745		1841	2753
5.772		969	1176
5.797		2030	2405
5.844		1759	2022
5.939		60385	49510
5.973		2259	1346
6.003		5504	4990
6.05		1428	744
6.097	DCB	6998747	6121644
6.156		1851	2125
6.215		6915	11923
6.282		1368	1010
6.313		1632	935
6.361		845	908
6.404		1291	1411
6.431		1692	1015
6.502		2363	2643
6.545		5920	5279

RT B	Compound B	Height B	Area B
6.604		882	504
6.693		1213	656
6.719		1280	960
6.773		6784	6736
6.803		1447	1064
6.887		1314	943
6.905		1352	1611

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

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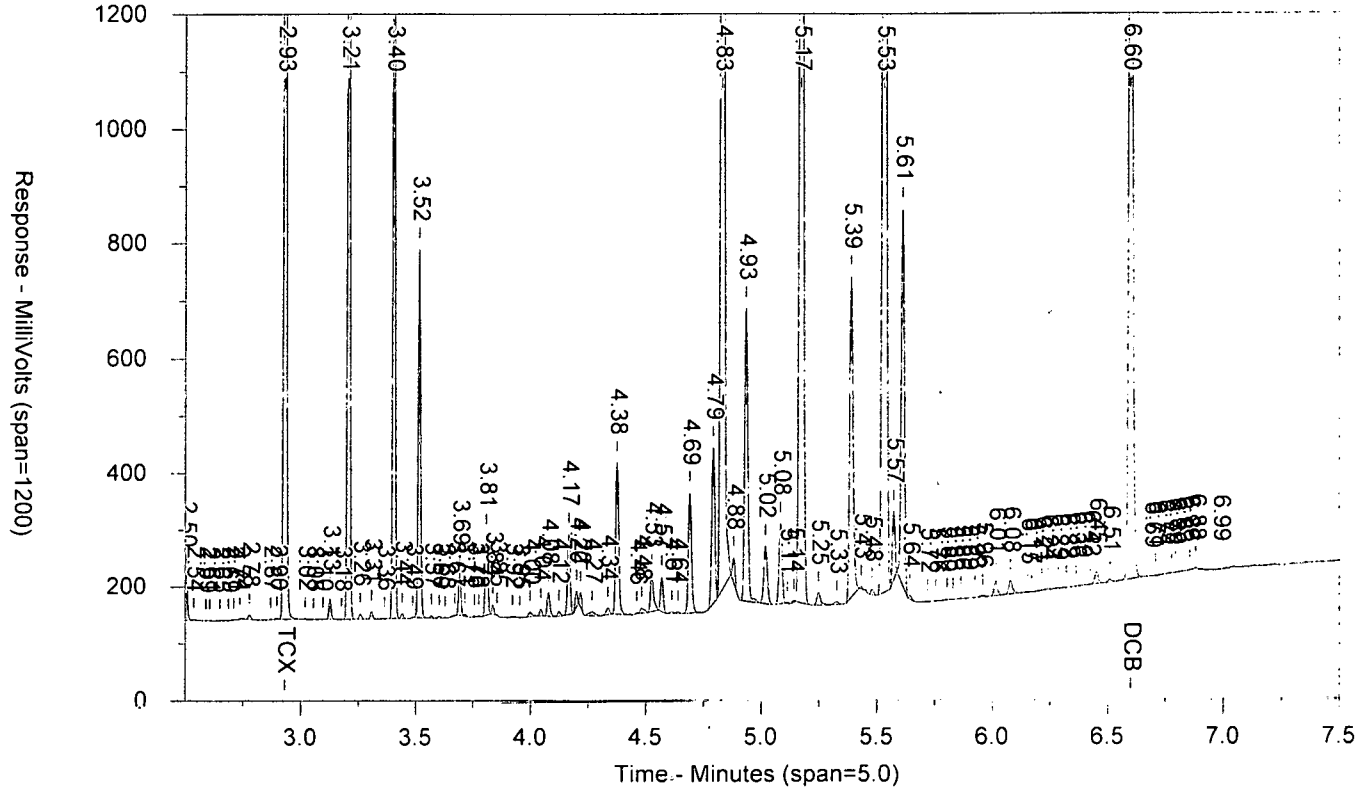

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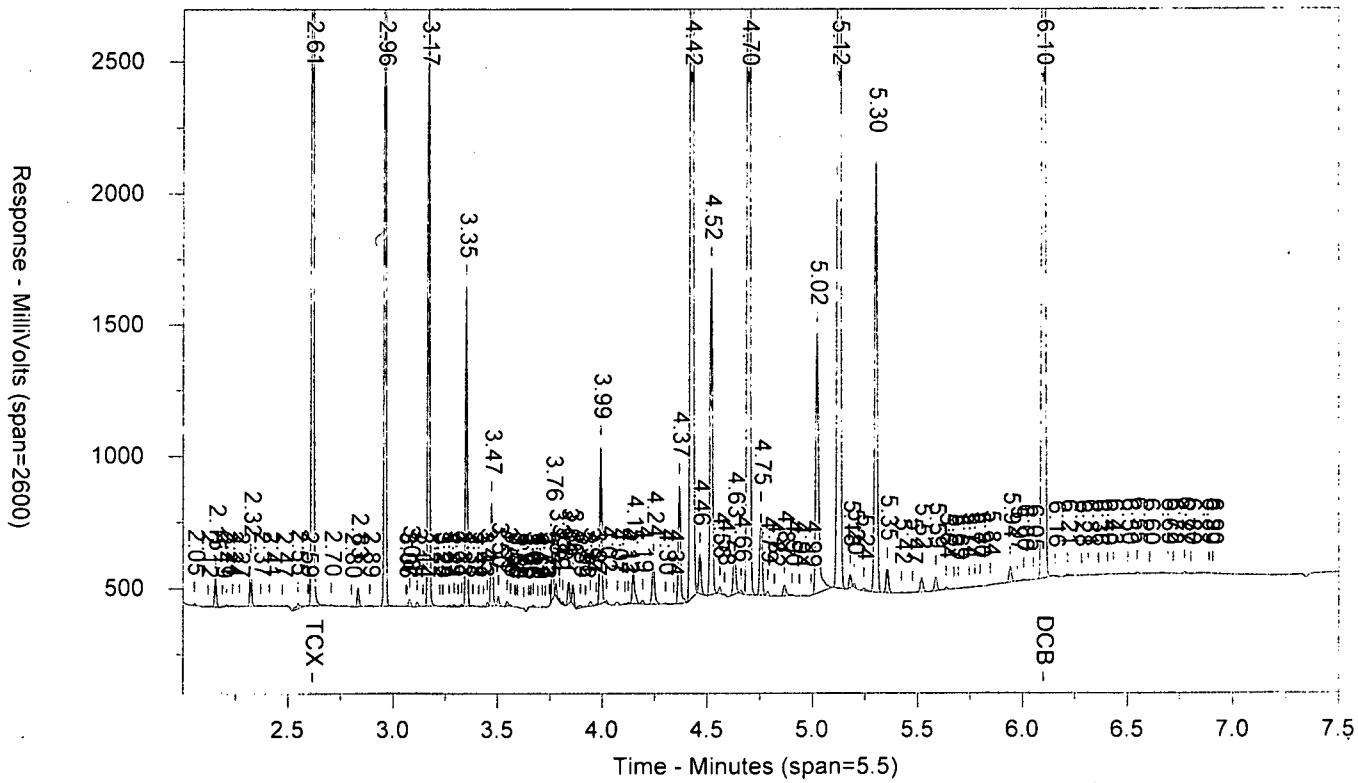

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:39:33 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
2.931	2908829	19.28	TCX	2.615	5132797	18.84	TCX
6.599	2247239	23.314	DCB	6.097	6998747	23.118	DCB

Files:
Area File: 25PCBs17289001.006.RAW
Area File: 25PCBs17289001B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:48:03 PM
File Reported On: 10/16/2017 at 7:48:14 PM

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

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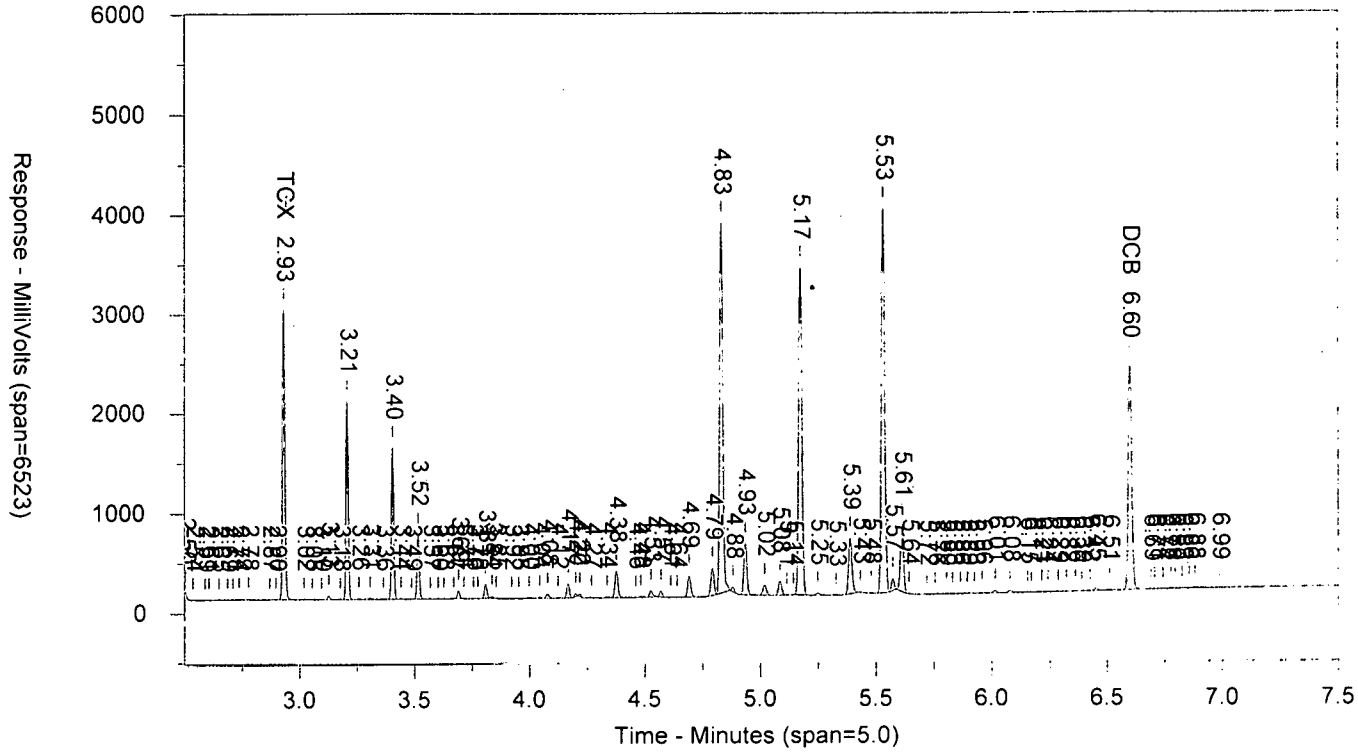

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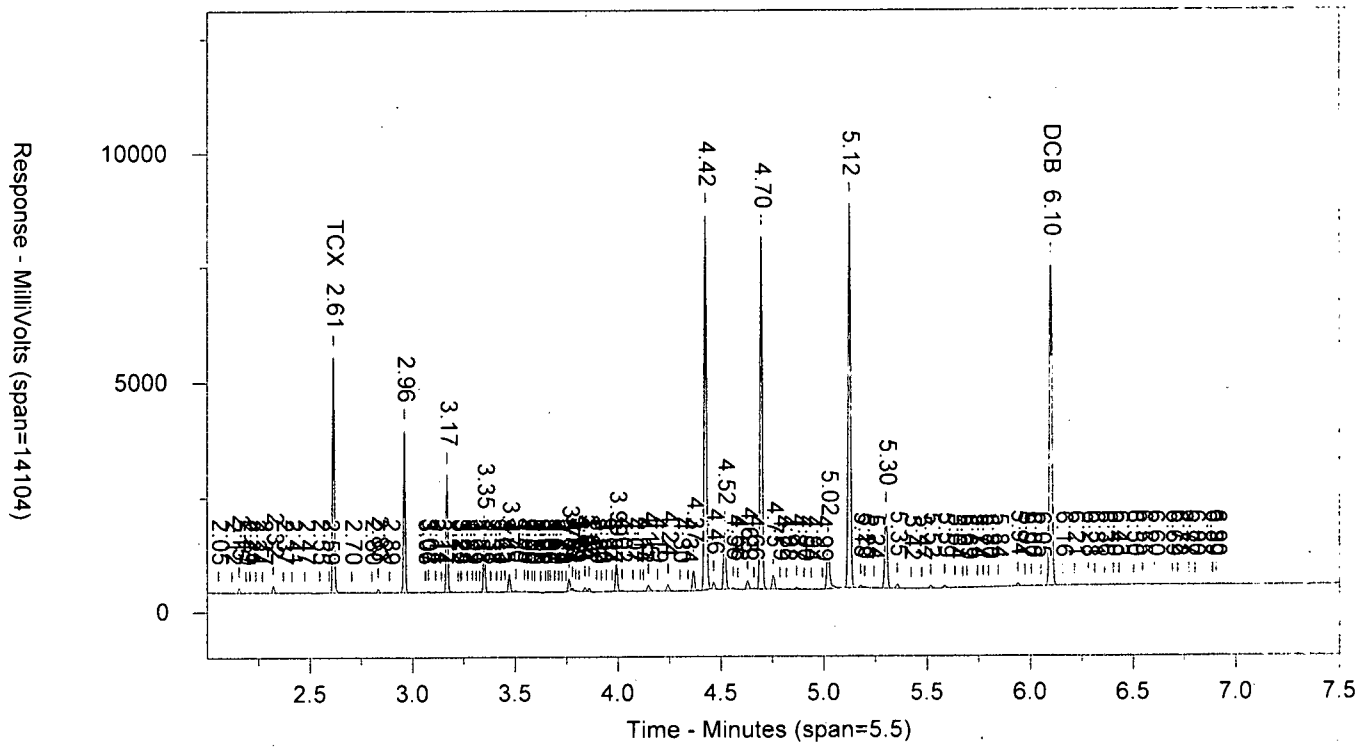

EVALX1724A AAEVALXAA ICAL 1728899999 10225 SW-846 8082

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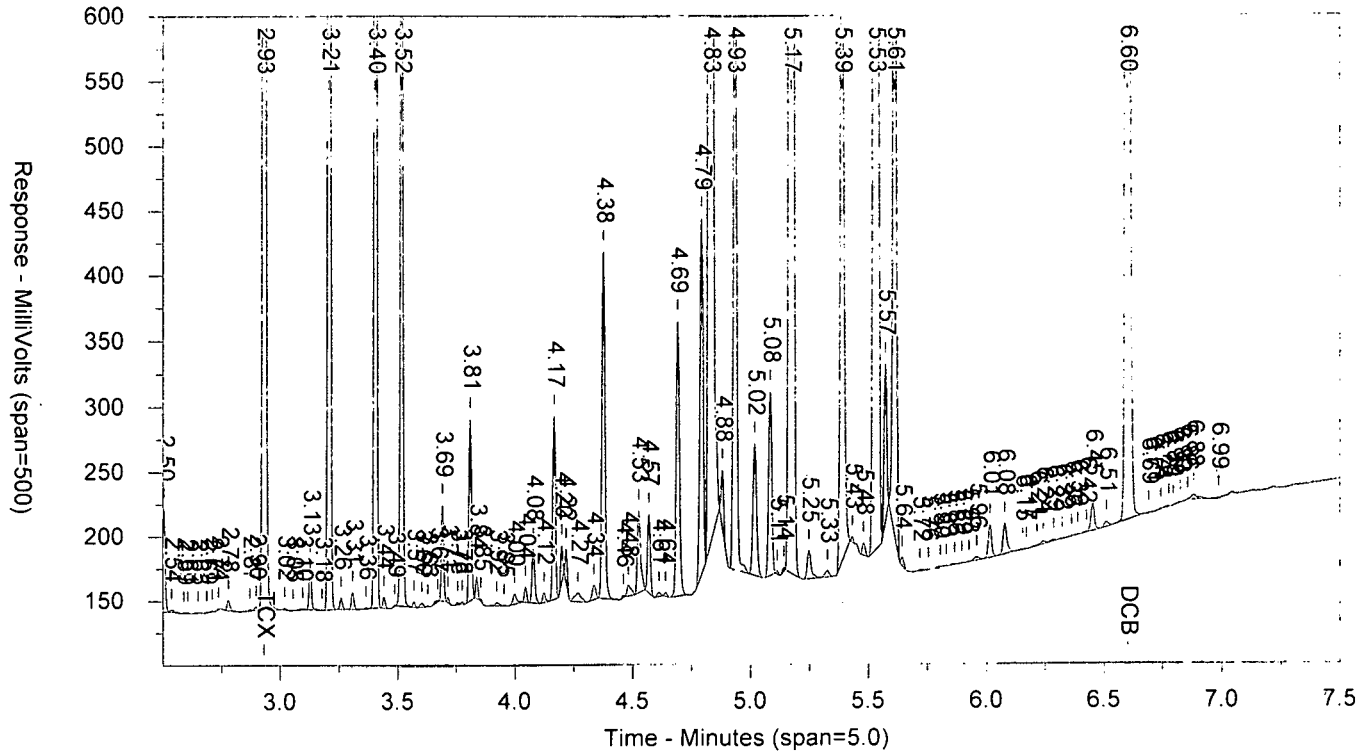

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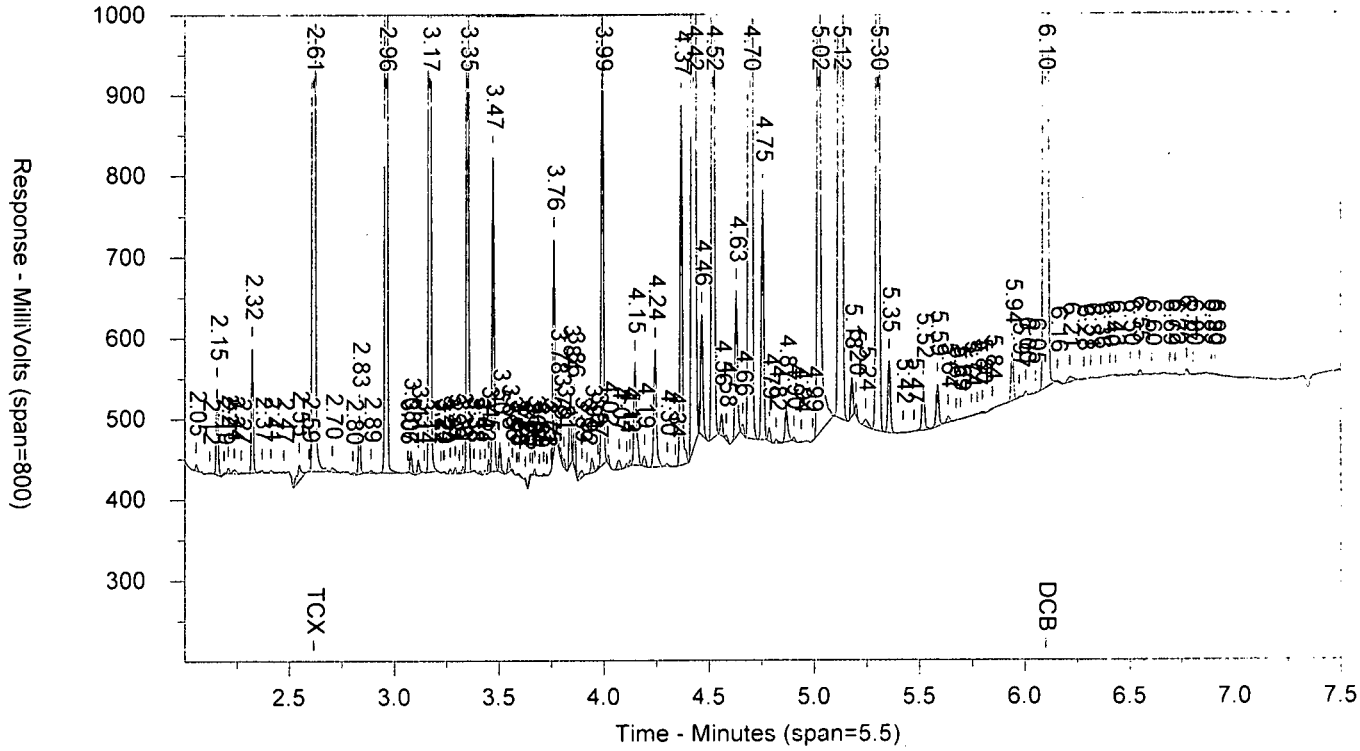

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 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: 25PCBs17289001.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		7572	7746
2.083		8727	20330
2.214		416	216
2.231		1343	1335
2.304		406	214
2.331		14922	10619
2.368		3091	3768
2.407		625	313
2.49		5715	6236
2.533		1644	1436
2.568		1470	2151
2.651		471	393
2.688		539	778
2.711		617	279
2.759		826	1777
2.778		13816	11981
2.848		864	746
2.875		639	359
2.895		3563	3052
2.932	TCX	293018	202245
3.024		1064	1105
3.078		10169	8257
3.102		781	530
3.134		14639	11845
3.182		69223	47468
3.263		1756	1109
3.275		5311	3034
3.339		529	679
3.398		66279	40356
3.415		29654	15777
3.452		7090	4118
3.467		829	246
3.479		4332	2656
3.513		79545	62492
3.589		1394	724
3.605		1239	573
3.623		16027	8848
3.638		7799	4000
3.681		39692	20458
3.692		75734	39931
3.729		96416	73634
3.786		84000	62909
3.827		5532	3776
3.855		55249	41282
3.882		36876	30665
3.903		9417	5032
3.93		2376	1787
3.978		63993	45221
4.001		18280	11848
4.033		23391	16667
4.066		66192	62377
4.105		18997	15087
4.153		787	401
4.168		5655	3930

RT A	Compound A	Height A	Area A
4.192		2116	1145
4.225		58316	42203
4.244		10252	5086
4.268		21347	18588
4.338		8262	6775
4.38		64316	64201
4.415		2019	1693
4.476		495	270
4.517		5301	5012
4.568		7029	4559
4.584		14647	10550
4.628		39503	37124
4.678		62065	69177
4.715		12841	8764
4.754		145046	137215
4.798		965	813
4.839		23917	23795
4.873		1236	855
4.9		26735	24093
4.951		171907	227668
5.003		34032	29941
5.041		80825	88464
5.086		714	291
5.122		15573	18468
5.155		202363	220667
5.197		2295	1059
5.223		109001	101477
5.265		67074	62254
5.325		3940	4458
5.358		29468	21702
5.384		110580	104908
5.44		63728	57730
5.478		32373	32954
5.521		5674	6078
5.562		36782	41676
5.619		290957	309179
5.723		1103	1333
5.784		158	536
5.823		183692	177358
5.854		13090	7769
5.88		44909	48734
5.959		3625	5278
6.014		6771	6149
6.094		37732	47847
6.132		429	270
6.157		562	556
6.249		81213	84879
6.294		5179	5536
6.367		509	533
6.401		473	535
6.422		623	500
6.451		22771	22647
6.509		4665	6175
6.6	DCB	259827	269096
6.667		653	782
6.766		2201	3844
6.833		667	1595
6.847		520	136
6.884		3911	9717
6.982		679	567

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 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: 25PCBs17289001B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.205		3330	7315
2.231		4201	7438
2.353		2840	3464
2.411		2036	2727
2.472		4722	18983
2.533		3840	3028
2.547		23624	20044
2.614	TCX	527194	309654
2.658		11743	9674
2.711		3053	4410
2.785		23620	20870
2.831		6216	2857
2.846		23305	12577
2.898		124767	80017
2.951		1664	2344
2.988		2521	1544
3.008		15937	10647
3.046		2067	1663
3.066		641	178
3.073		877	233
3.084		649	206
3.105		104882	52260
3.116		36564	13982
3.157		18131	10938
3.177		9072	5848
3.204		14510	7601
3.227		152923	101345
3.263		5783	3218
3.279		1096	242
3.31		40737	21287
3.326		24222	11857
3.354		2410	1224
3.376		95666	44211
3.386		162042	68541
3.406		7314	2707
3.42		161248	109004
3.469		349	70
3.494		169968	108495
3.529		131325	79668
3.553		132933	76078
3.571		43811	21927
3.629		1521	683
3.638		587	251
3.656		157729	103220
3.679		61910	33600
3.701		53377	30401
3.716		559	109
3.729		34186	16480
3.746		130934	77784
3.786		47491	32892
3.832		6536	5972
3.856		33340	20520
3.878		165777	111384
3.903		35413	20793

RT B	Compound B	Height B	Area B
3.922		5906	2667
3.943		37853	26721
3.977		144693	99088
4.011		5686	3198
4.025		11108	7953
4.078		9955	9032
4.12		11768	11582
4.155		2817	3589
4.177		36239	26801
4.219		42101	24260
4.238		24878	13988
4.25		102514	56345
4.277		57198	57717
4.328		314769	241567
4.375		4646	3115
4.397		28279	18208
4.421		73312	54925
4.464		370093	295890
4.566		280365	278297
4.618		36940	28974
4.656		85324	71454
4.692		334792	281358
4.725		189417	132132
4.763		127575	100473
4.837		1032	1087
4.862		36485	26115
4.878		3848	2107
4.913		226575	179493
4.937		29716	19271
4.986		116113	102570
5.021		59440	47858
5.051		45511	37653
5.084		18178	10879
5.106		516389	431535
5.147		11318	8039
5.177		20882	16327
5.261		3781	6140
5.298		6420	5530
5.32		119593	97969
5.365		370988	399388
5.456		835	340
5.486		1160	1186
5.52		15174	16017
5.565		10777	7679
5.587		11342	9181
5.635		79199	68345
5.695		1022	2273
5.742		197590	161746
5.773		11924	11237
5.848		1352	2910
5.872		980	955
5.884		771	283
5.94		61452	52207
6.004		6270	7919
6.098	DCB	806745	690715
6.161		3785	6083
6.215		6564	11027
6.253		1247	398
6.278		1088	409
6.31		3064	2604
6.387		779	144
6.455		1259	531
6.473		1200	469
6.507		1349	1052
6.549		1174	771
6.579		1491	518

RT B	Compound B	Height B	Area B
6.605		655	686
6.641		1115	588
6.696		1066	551
6.757		1686	2533
6.825		761	485
6.868		2345	4648

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

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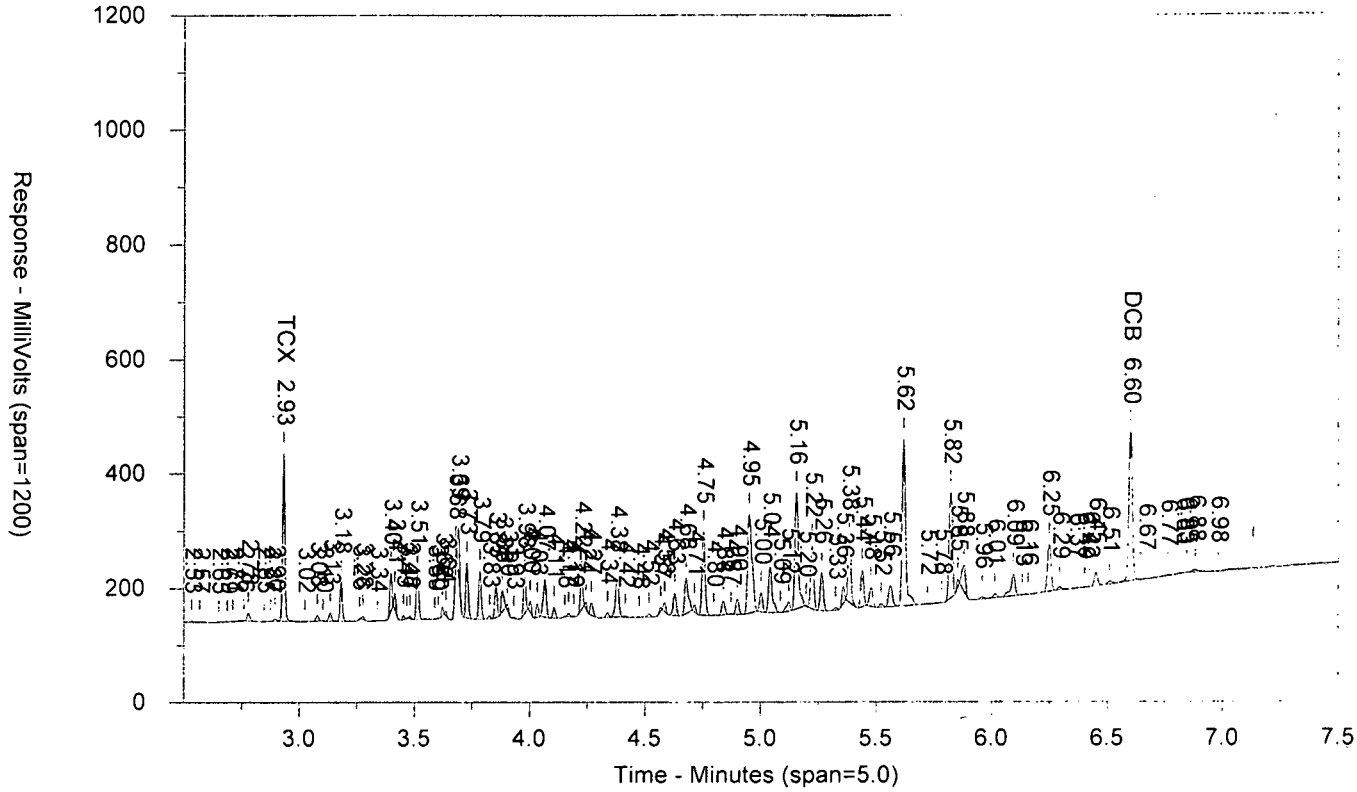

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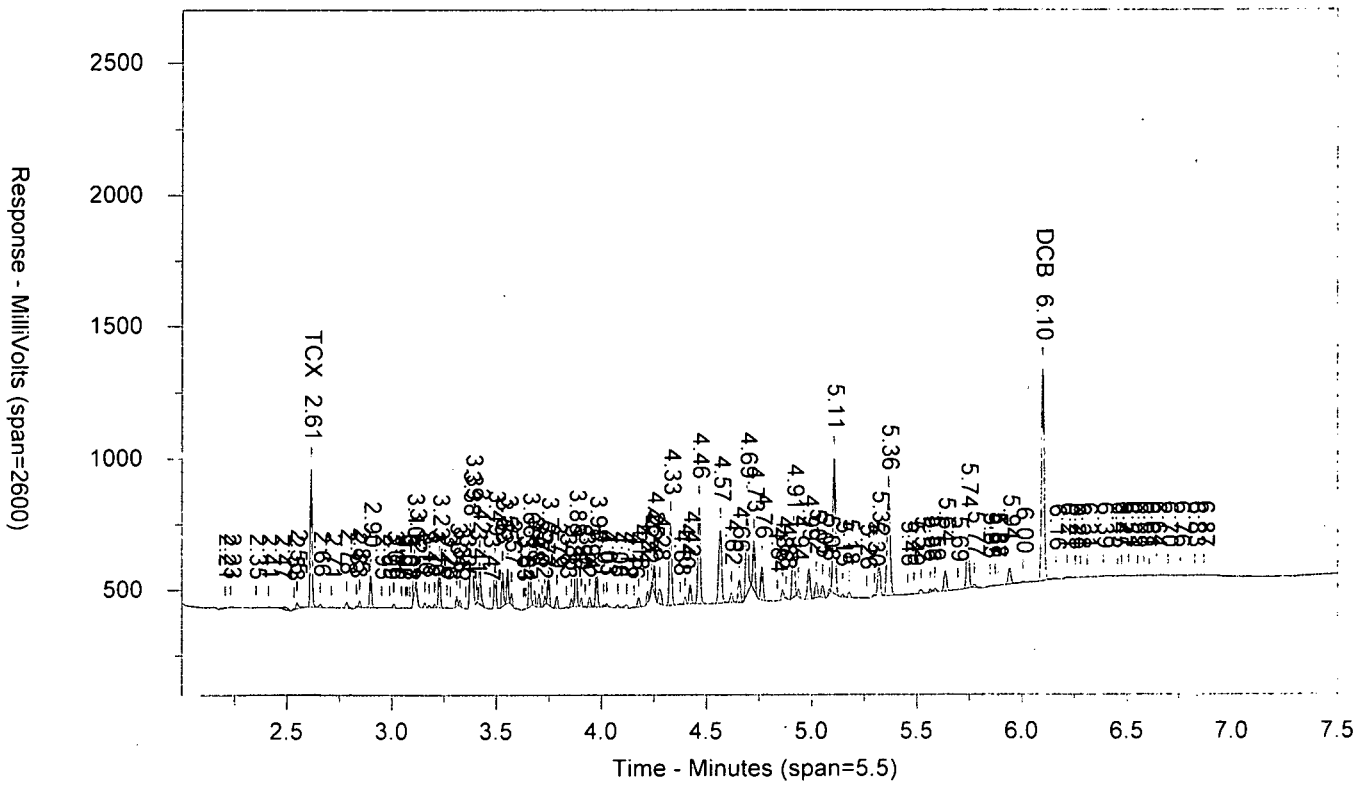

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 7:51:18 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
2.932	293018	1.942	TCX	2.614	527194	1.935	TCX
6.6	259827	2.696	DCB	6.098	806745	2.665	DCB

Files:
Area File: 25PCBs17289001.007.RAW
Area File: 25PCBs17289001B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 7:59:49 PM
File Reported On: 10/16/2017 at 8:00:00 PM

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

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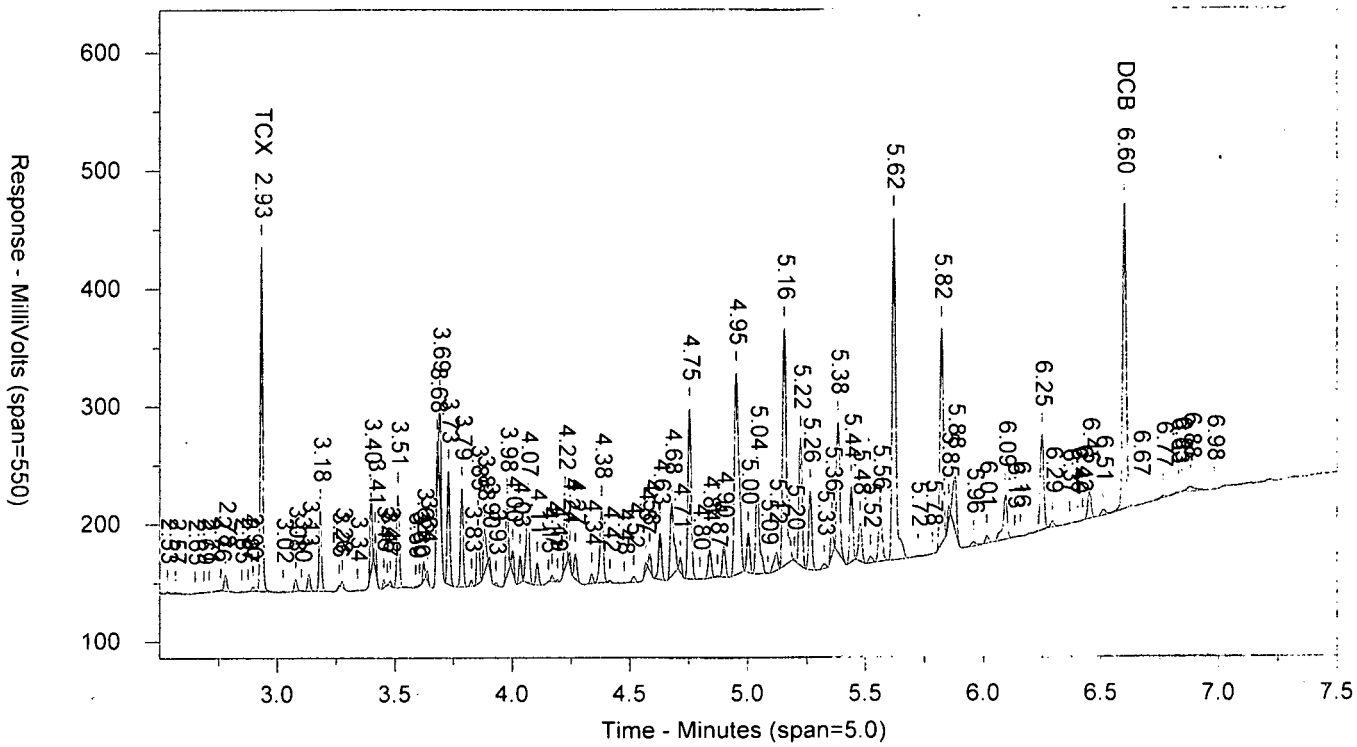

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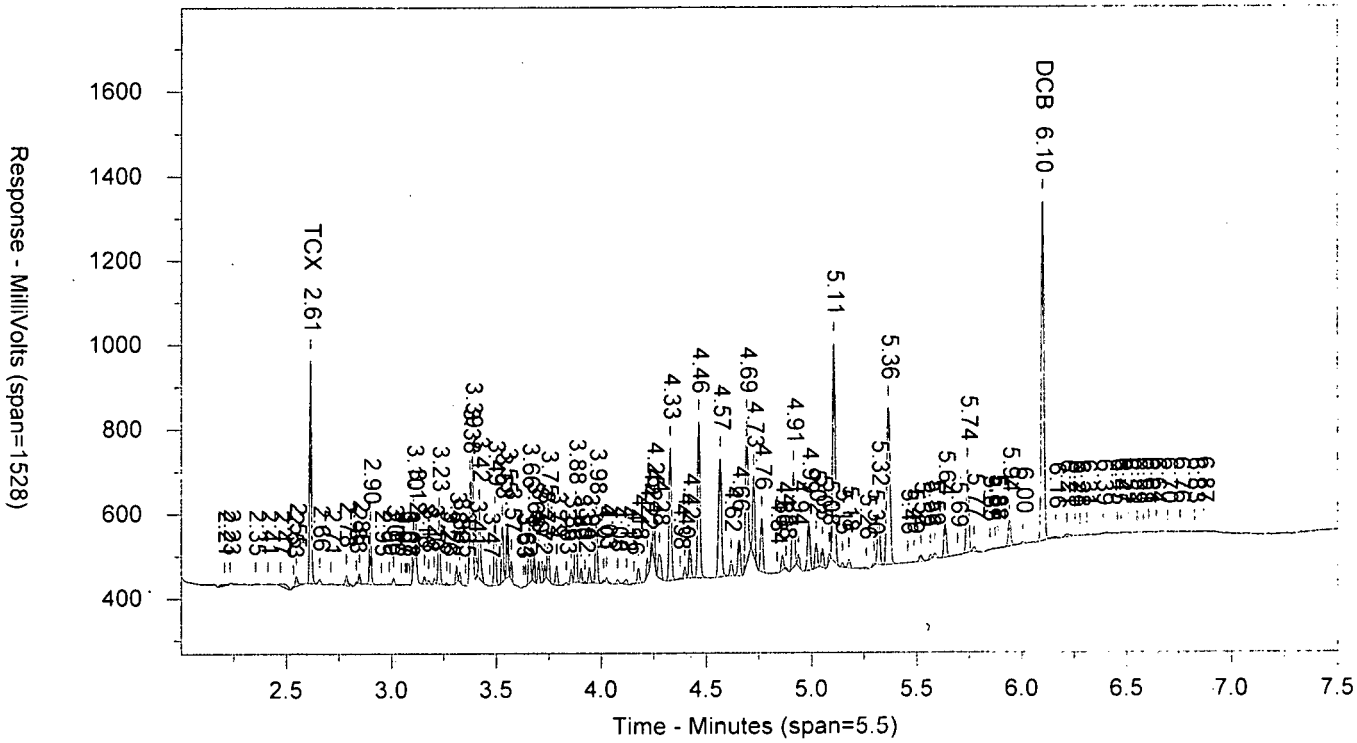

AR1611724B AAAR161AA ICAL 1728899999 10225 SW-846 8082

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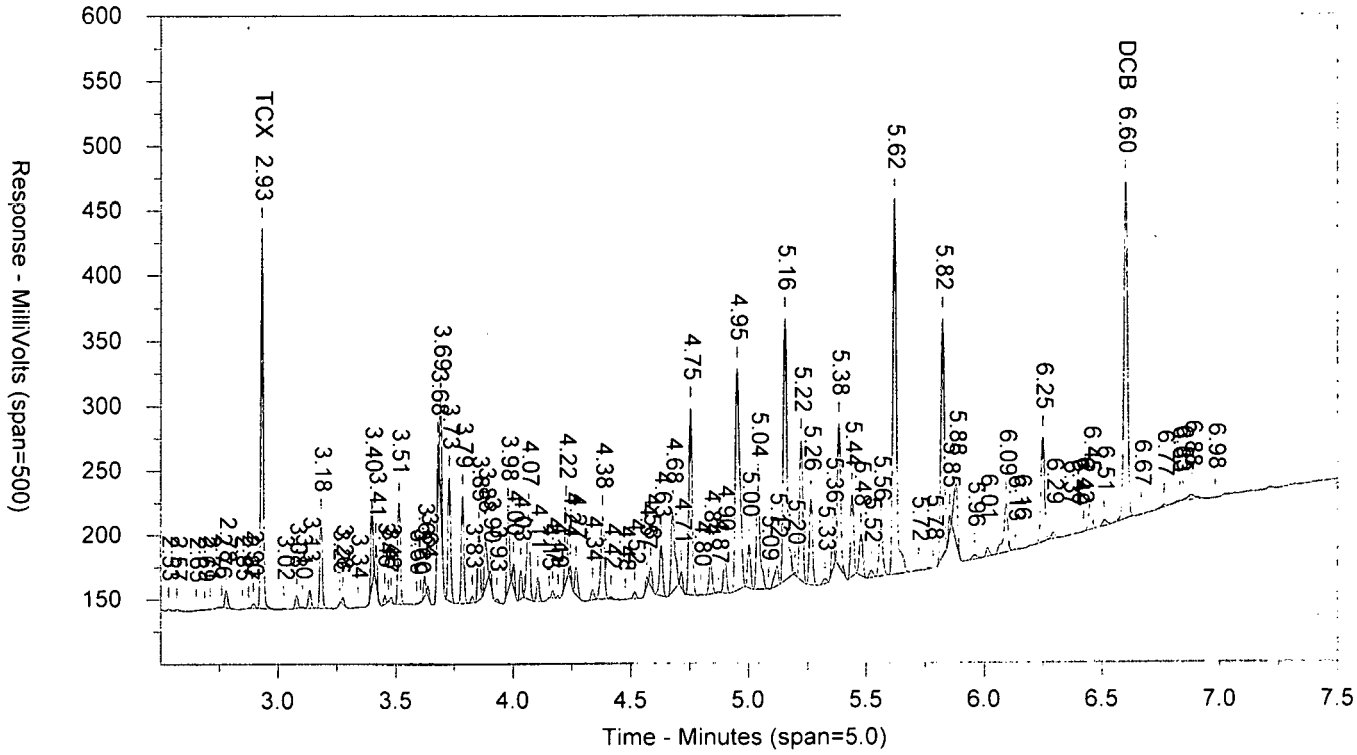

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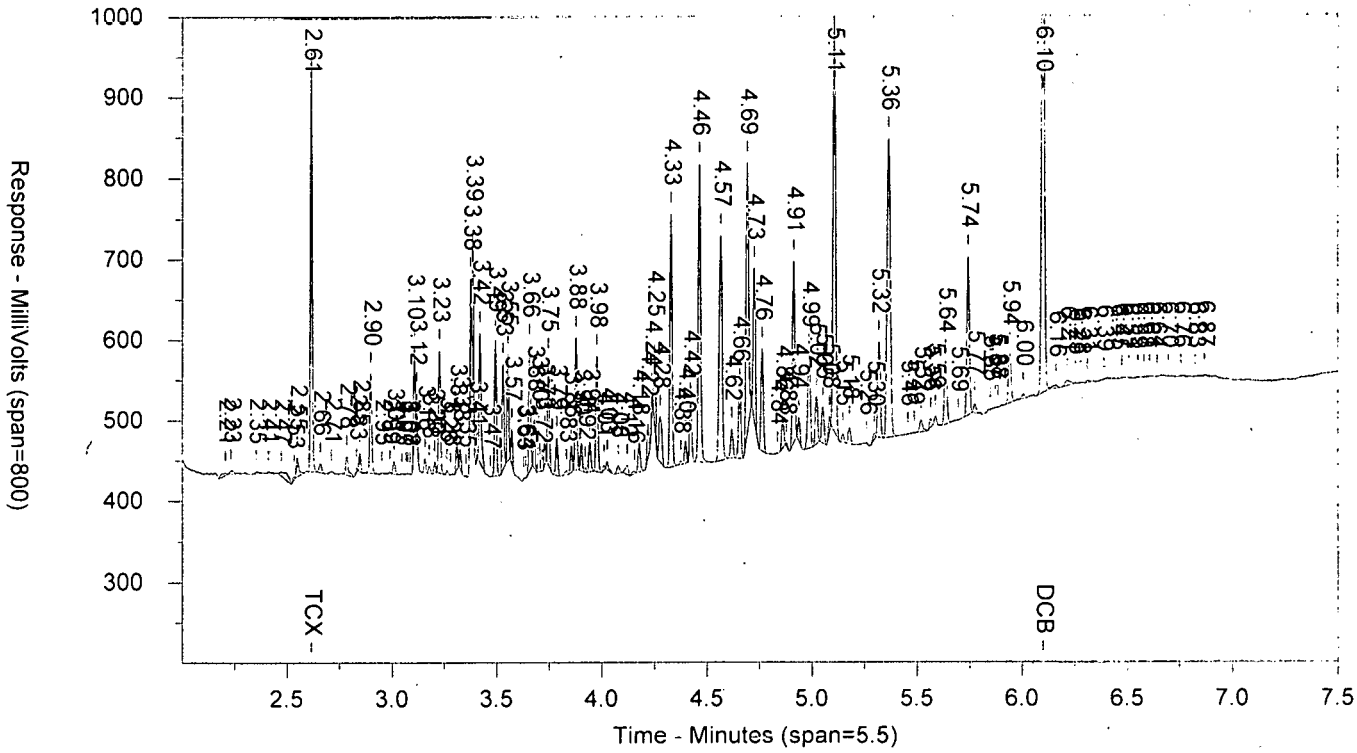

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		9941	10110
2.083		17717	34339
2.231		2947	4202
2.33		10059	7365
2.367		2640	2774
2.49		7618	8566
2.534		956	1031
2.569		1446	1220
2.59		2759	1911
2.663		553	696
2.692		259	237
2.708		473	126
2.747		944	1342
2.778		36070	38293
2.842		576	528
2.872		465	231
2.895		5409	4453
2.931	TCX	538958	375424
3.023		843	711
3.077		18301	15781
3.133		27571	22057
3.18		121766	87978
3.273		15705	16903
3.395		125257	73720
3.412		53935	28331
3.449		13481	7793
3.465		1241	440
3.476		7799	4144
3.509		151417	115166
3.565		1239	736
3.585		2691	1473
3.602		914	372
3.619		30151	16957
3.634		14212	7381
3.677		71410	39084
3.688		133549	72350
3.725		179283	136432
3.781		153449	117823
3.822		10571	7595
3.851		104483	77325
3.878		71082	59106
3.899		16672	9141
3.926		3293	2549
3.973		117592	85231
3.997		39801	25426
4.029		42218	30414
4.062		124620	117201
4.102		35047	29148
4.149		2567	1639
4.164		3613	2197
4.188		5222	3338
4.222		107677	78917
4.239		16463	7737
4.263		36856	29637

RT A	Compound A	Height A	Area A
4.334		16166	13245
4.376		118872	119002
4.41		3630	2742
4.475		842	875
4.513		9867	9054
4.564		12637	8122
4.581		29096	20502
4.625		76442	70328
4.674		117169	130654
4.711		24450	16699
4.749		257489	250250
4.795		1552	1368
4.835		45879	45395
4.867		2433	1549
4.896		49346	46483
4.947		316609	415102
4.999		63551	58009
5.037		149141	165974
5.119		29065	34143
5.152		392912	409660
5.193		4418	1953
5.219		190668	186567
5.262		122283	118535
5.322		4264	5041
5.356		54154	42784
5.381		202440	187435
5.437		117519	108140
5.476		63985	65345
5.519		9738	10733
5.558		72134	80576
5.617		520694	569705
5.743		399	1232
5.82		331234	321954
5.85		20975	13594
5.875		72860	86147
5.954		4980	6274
6.012		11324	10920
6.064		3723	3008
6.091		63127	60621
6.165		418	402
6.203		746	1329
6.245		156234	157142
6.289		9689	9206
6.358		579	236
6.383		703	562
6.447		43522	44614
6.507		5931	7666
6.595	DCB	440399	488275
6.656		481	411
6.683		680	505
6.705		494	225
6.76		3240	5127
6.84		720	2378
6.878		4344	9971
6.96		717	264
6.985		469	269

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.113		1676	1454
2.157		9733	7613
2.211		2280	7722
2.234		4073	5332
2.3		3259	2443
2.356		1826	1909
2.412		1741	2518
2.474		6215	24474
2.532		8349	5194
2.548		75742	77250
2.615	TCX	942846	567711
2.658		20947	14931
2.714		2351	3594
2.786		44312	33229
2.832		9101	4919
2.846		44025	23477
2.898		221050	139576
2.948		3224	1558
2.989		1682	1288
3.009		29101	17047
3.066		1393	715
3.084		878	311
3.105		183794	89268
3.116		63426	25151
3.157		34927	20862
3.177		15313	9316
3.203		24832	13632
3.227		277920	182830
3.263		9729	5646
3.278		672	197
3.292		1664	774
3.31		75446	38789
3.325		44331	20729
3.351		2975	1614
3.375		143592	68983
3.384		290683	129041
3.404		13991	4998
3.418		288851	195538
3.492		320341	198567
3.527		230690	143224
3.55		246469	136545
3.568		86190	42449
3.631		1973	1872
3.654		286561	187746
3.676		112569	61746
3.697		105166	59462
3.726		64911	32786
3.743		233421	142366
3.784		87892	61780
3.832		11667	9669
3.853		66547	39795
3.875		314960	204233
3.9		67927	39461
3.919		10110	4681

RT B	Compound B	Height B	Area B
3.939		52049	35167
3.974		267602	181661
4.008		10674	6033
4.023		20226	12663
4.075		9204	8500
4.117		20194	18394
4.147		4032	3887
4.174		69040	49783
4.216		79896	45280
4.235		52156	27272
4.248		182209	104795
4.273		111872	107593
4.325		584302	443649
4.374		7818	5963
4.395		53978	35083
4.419		137560	101988
4.461		686715	547743
4.563		522092	517124
4.616		72608	57295
4.654		155817	136175
4.69		619654	518749
4.722		331665	241898
4.761		243699	187137
4.836		896	609
4.859		74735	52041
4.877		9413	4383
4.91		432265	335411
4.934		56877	36314
4.984		217052	192506
5.019		107004	89694
5.049		85566	69210
5.082		30164	17222
5.103		991856	815275
5.144		21379	15209
5.176		41026	31817
5.22		936	419
5.248		3182	4518
5.294		12988	8957
5.318		226670	184771
5.363		712118	764827
5.457		1061	574
5.483		1191	667
5.517		26741	26036
5.563		23111	15148
5.584		18615	13796
5.634		145742	124931
5.679		1073	845
5.74		355813	301845
5.771		23557	16936
5.848		1315	3910
5.867		1245	618
5.904		1526	693
5.939		120346	99148
5.976		1872	1035
6.004		4375	3950
6.046		2053	2071
6.097	DCB	1437204	1251953
6.142		1045	512
6.156		2033	1825
6.222		6196	13046
6.282		2246	2458
6.308		3178	3054
6.362		1709	2141
6.415		1230	2260
6.477		1203	979
6.505		1415	972

RT B	Compound B	Height B	Area B
6.545		2660	2619
6.624		1307	1914
6.648		2185	3760
6.711		1448	1990
6.76		1464	878
6.795		955	362
6.866		2455	5658

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

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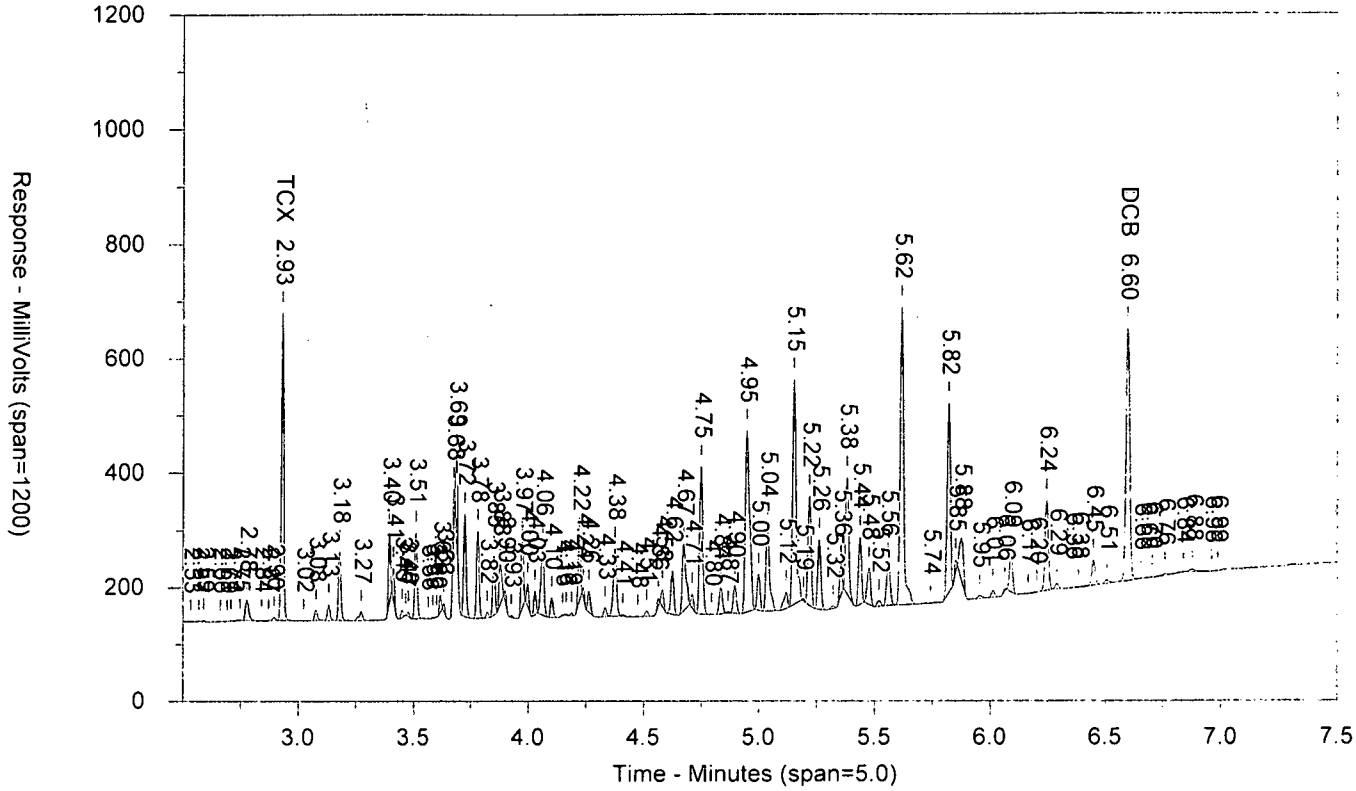

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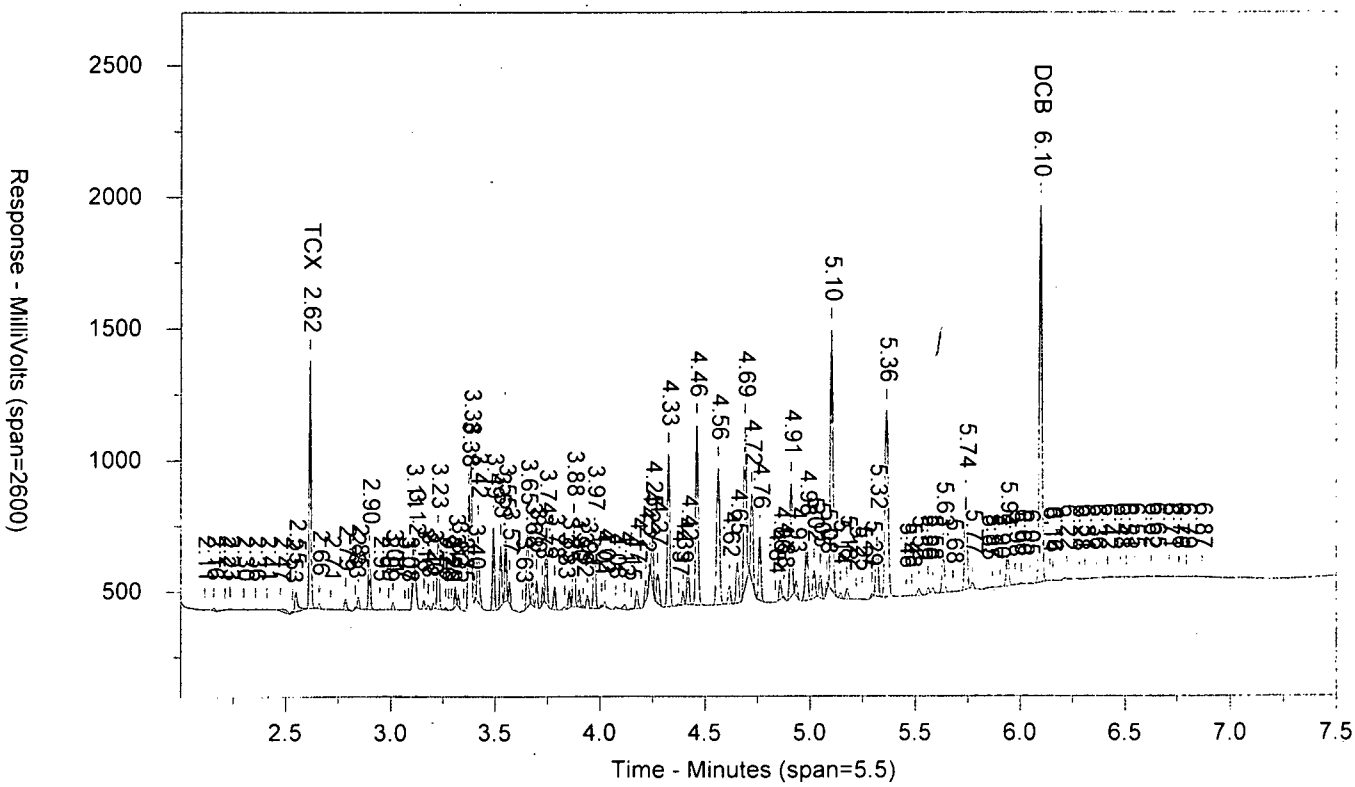

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:02:35 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	538958	3.586	TCX	2.615	942846	3.461	TCX
6.595	440399	4.403	DCB	6.097	1437204	4.519	DCB

Files:
Area File: 25PCBs17289001.008.RAW
Area File: 25PCBs17289001B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:11:05 PM
File Reported On: 10/16/2017 at 8:11:18 PM

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

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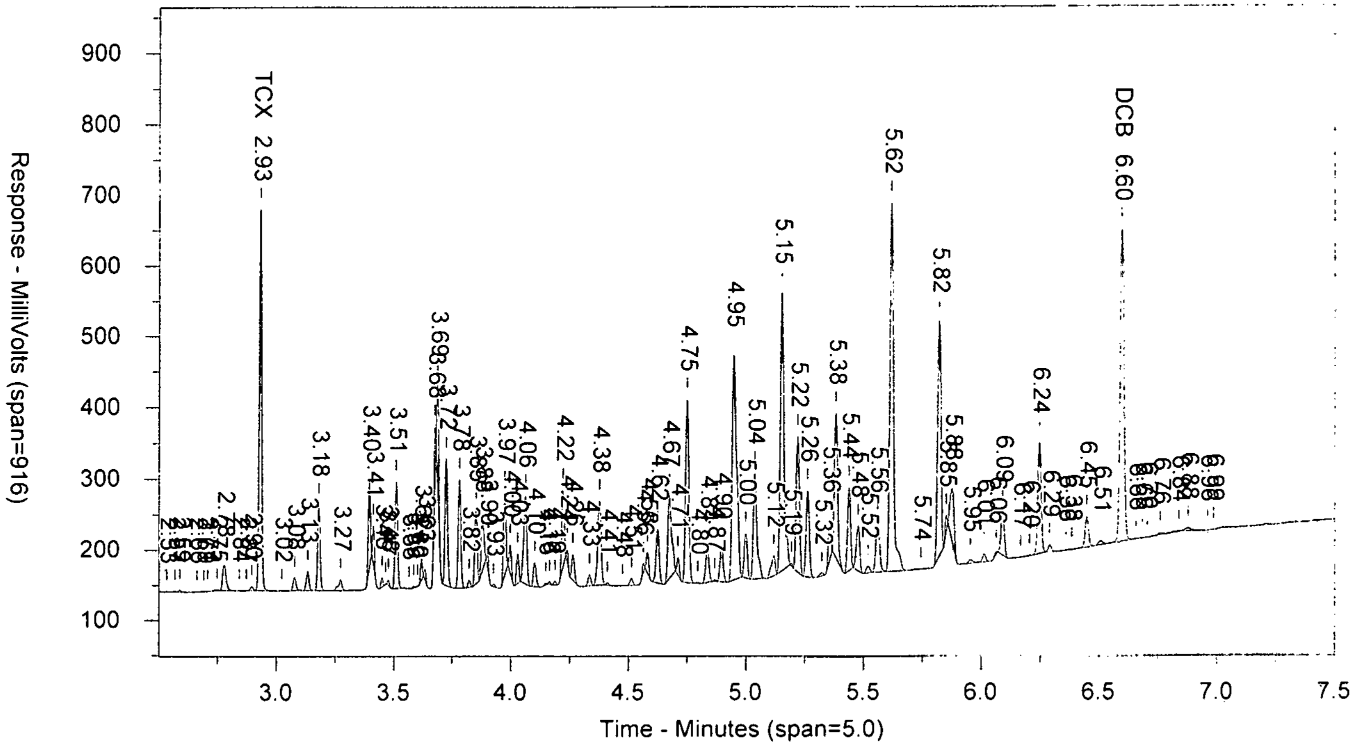

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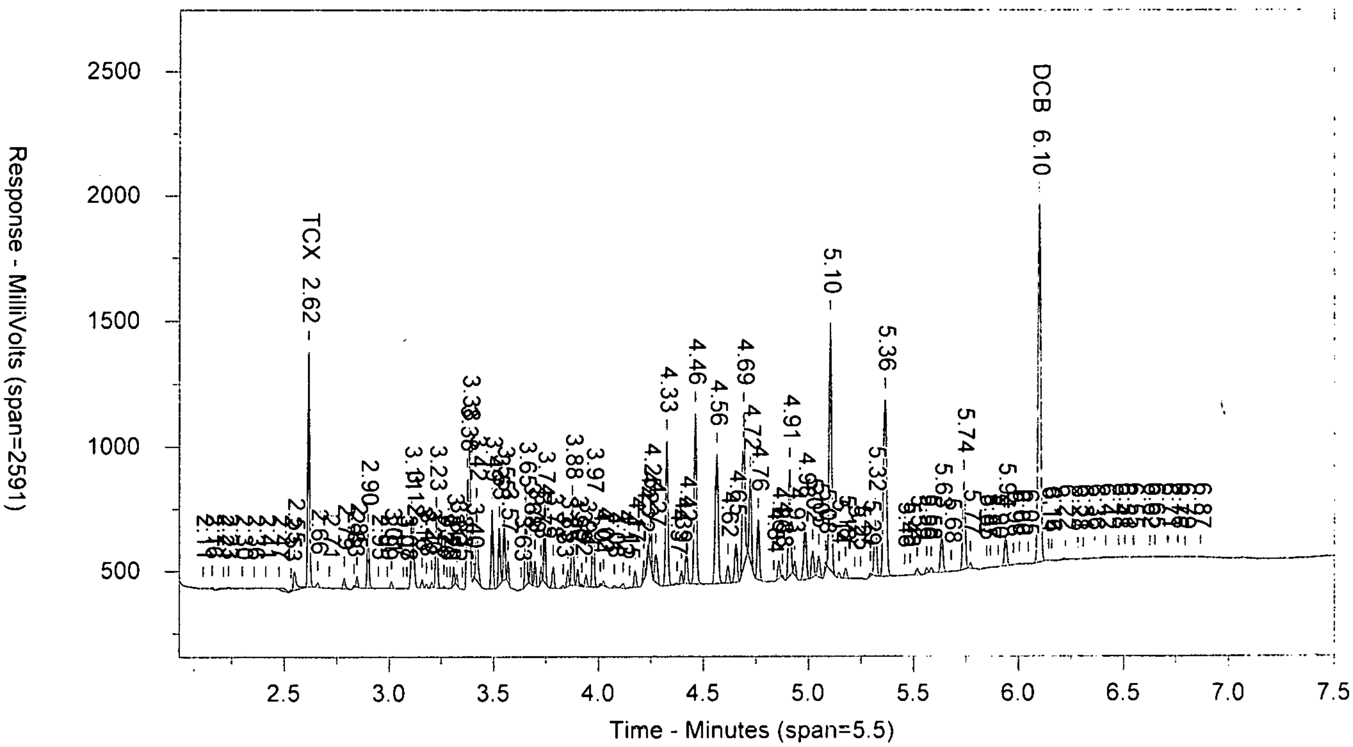

AR1621724B AAAR162AA ICAL 1728899999 10225 SW-846 8082

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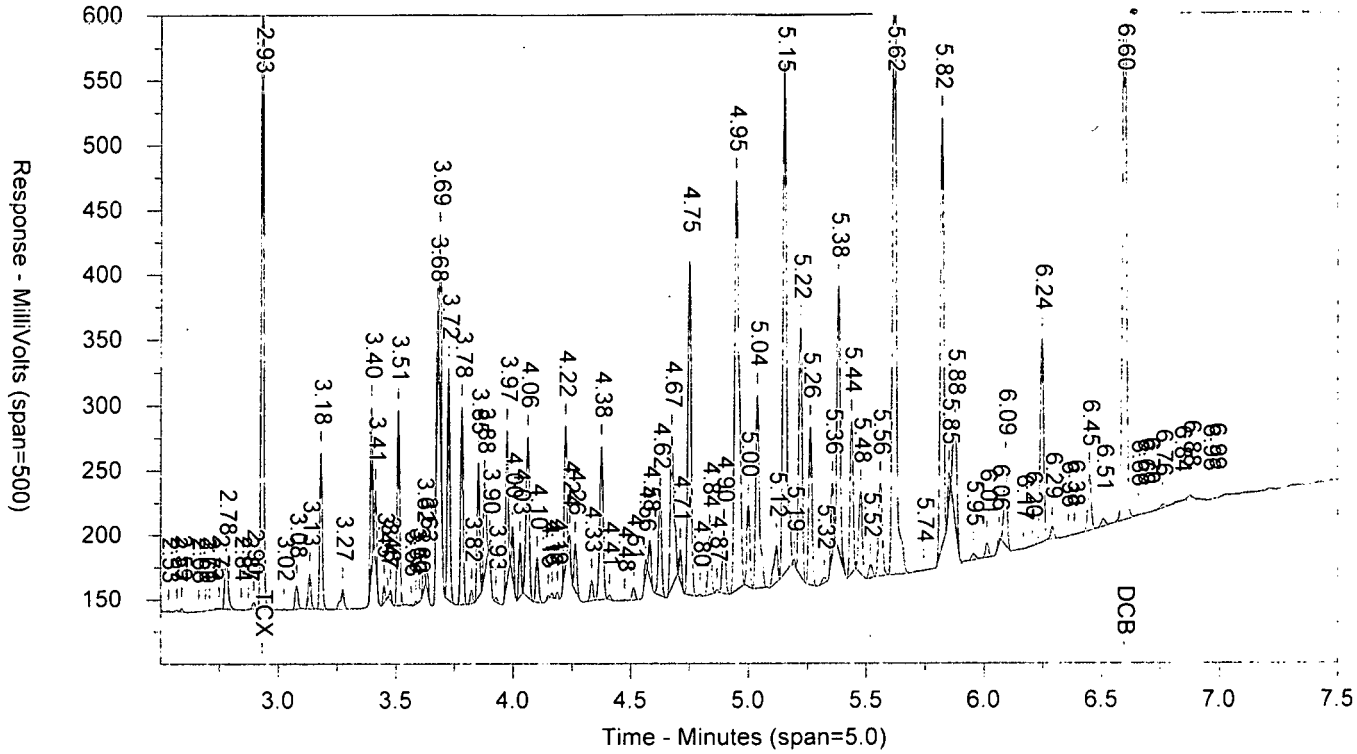

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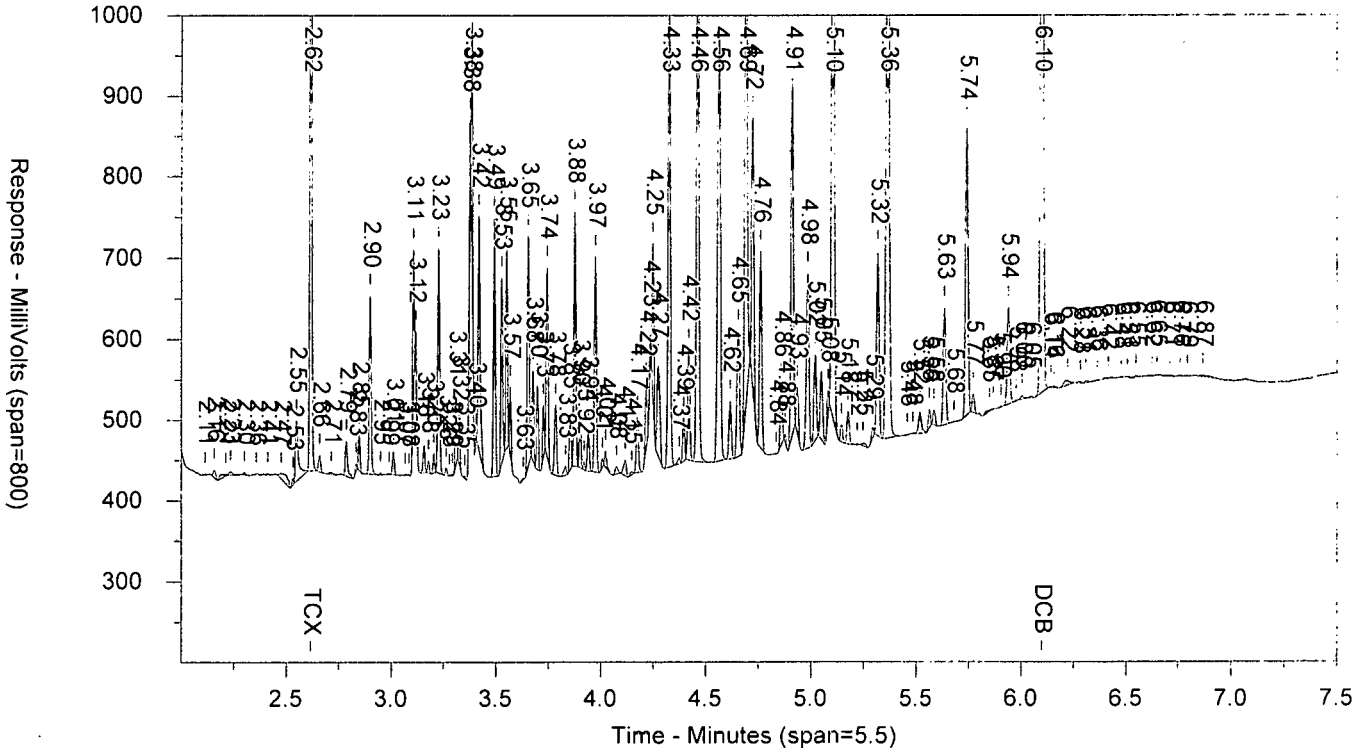

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.015		453	192
2.036		7762	7510
2.085		6699	11598
2.231		13358	9192
2.33		17822	15365
2.366		2286	2281
2.46		276	81
2.489		5976	6960
2.533		1587	1546
2.568		3013	2248
2.646		745	589
2.71		667	625
2.743		441	531
2.778		10940	9513
2.842		542	494
2.877		438	215
2.896		4123	3345
2.93	TCX	2973586	2034473
3.028		1137	758
3.077		38451	33937
3.132		67996	60858
3.18		244934	177042
3.258		5033	2665
3.274		25443	16014
3.319		766	675
3.396		234864	143858
3.412		109392	58105
3.449		27596	15984
3.465		2113	801
3.476		16178	8590
3.51		291792	231632
3.545		1174	647
3.566		7071	4056
3.584		6665	3858
3.619		66522	37245
3.634		30591	15434
3.677		140514	77127
3.688		298311	155920
3.724		364951	276103
3.781		313699	241486
3.823		21857	16209
3.851		199869	153827
3.878		145680	118921
3.899		39251	21494
3.926		1998	1284
3.973		229846	167901
3.997		81839	51442
4.029		89636	63509
4.062		249560	238184
4.102		76687	62481
4.148		7214	4753
4.164		2322	1135
4.187		12269	8839
4.221		208979	153716

RT A	Compound A	Height A	Area A
4.238		32382	17268
4.263		67955	54217
4.334		32204	28299
4.376		234362	235269
4.409		6395	4691
4.472		1914	1421
4.513		19923	18552
4.564		27475	18052
4.58		60335	43104
4.624		152571	141861
4.674		224706	258874
4.71		47277	33318
4.749		521511	494709
4.793		2770	2147
4.835		93002	93883
4.868		6071	3940
4.896		101790	94948
4.948		620614	812375
4.999		131140	118980
5.038		290700	333769
5.08		1935	903
5.118		64056	74956
5.151		770859	815487
5.193		7898	3606
5.219		378034	360385
5.261		232103	233256
5.326		1941	2530
5.355		106455	86267
5.381		389354	365807
5.437		215647	209287
5.475		127552	130578
5.518		21752	23249
5.559		137922	161921
5.616		1064861	1135889
5.711		1285	1502
5.751		424	329
5.769		417	213
5.82		640854	627926
5.85		39491	25822
5.876		144507	172154
5.954		3533	4473
6.012		36758	36573
6.09		135947	187567
6.143		876	492
6.176		541	450
6.213		106	834
6.246		294982	298926
6.291		19130	18437
6.324		485	212
6.345		617	376
6.378		994	1014
6.421		388	392
6.448		94089	97301
6.507		4582	6203
6.596	DCB	2261102	2283119
6.657		842	621
6.708		638	164
6.733		539	685
6.763		2294	3395
6.876		5188	17560
6.978		675	225

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		9464	5832
2.158		5074	5015
2.189		3373	2731
2.207		3281	2368
2.237		4254	5575
2.3		5410	4182
2.359		2441	2379
2.41		3107	3199
2.468		1420	1032
2.535		4436	5445
2.548		19121	16357
2.615	TCX	5345393	3091599
2.658		40199	28756
2.757		1209	658
2.785		87149	60896
2.833		53765	25616
2.847		80477	39949
2.898		443389	274222
2.948		14251	8108
3.009		60071	37377
3.048		1229	770
3.071		1075	596
3.105		364288	178110
3.116		123340	48297
3.156		71905	42879
3.178		30933	18303
3.203		51739	28160
3.227		549056	364225
3.263		20236	11856
3.291		16097	7744
3.31		152848	79141
3.325		90644	42629
3.351		4356	2441
3.375		339918	155948
3.384		574942	247807
3.404		26273	8939
3.418		592781	393455
3.492		642644	399548
3.527		448831	278311
3.55		478312	266106
3.568		156216	82303
3.629		1221	893
3.653		566247	372838
3.676		225826	121682
3.697		213060	123648
3.726		133492	66077
3.743		462108	284843
3.783		173287	125064
3.831		23899	19736
3.853		131454	79319
3.875		624767	406916
3.9		136319	80810
3.919		21635	10057
3.939		93926	58823

RT B	Compound B	Height B	Area B
3.973		511447	362381
4.008		21487	12300
4.023		39370	24770
4.074		10152	10563
4.117		38699	33403
4.148		3836	3882
4.174		138993	99769
4.216		149486	89679
4.234		122750	58232
4.247		351379	198073
4.273		216912	214220
4.325		1154854	895919
4.373		15939	12065
4.395		109334	71663
4.419		269964	196075
4.461		1414225	1093632
4.563		1066682	1046595
4.616		140955	117716
4.654		322724	273981
4.69		1276967	1076181
4.722		700823	481287
4.76		485891	377226
4.833		2397	2283
4.859		145604	103478
4.877		20573	9916
4.909		874171	680549
4.934		106250	70335
4.983		429244	393785
5.019		226063	180563
5.049		179600	142903
5.082		63943	37292
5.103		2132908	1688956
5.144		43887	33191
5.175		88748	73990
5.254		2939	2546
5.294		25603	16600
5.317		472879	369935
5.362		1497503	1565926
5.459		1587	781
5.517		76507	66506
5.562		41387	28921
5.585		60634	45929
5.634		291282	251289
5.697		899	1353
5.74		717697	602672
5.772		44482	33143
5.839		2786	4035
5.866		1176	831
5.895		1885	1614
5.913		1524	634
5.938		273191	222405
5.969		2223	1585
6.002		4213	4211
6.057		1453	1224
6.096	DCB	7235337	5935705
6.21		5879	7892
6.274		3183	3302
6.31		2539	2998
6.403		1052	1243
6.434		1881	1763
6.462		1617	544
6.497		2194	3963
6.547		6860	5615
6.632		1440	2704
6.657		2056	3020
6.721		2530	3341

RT B	Compound B	Height B	Area B
6.808		1247	696
6.828		1429	1159
6.863		1343	876
6.888		1142	392
6.966		1002	753

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

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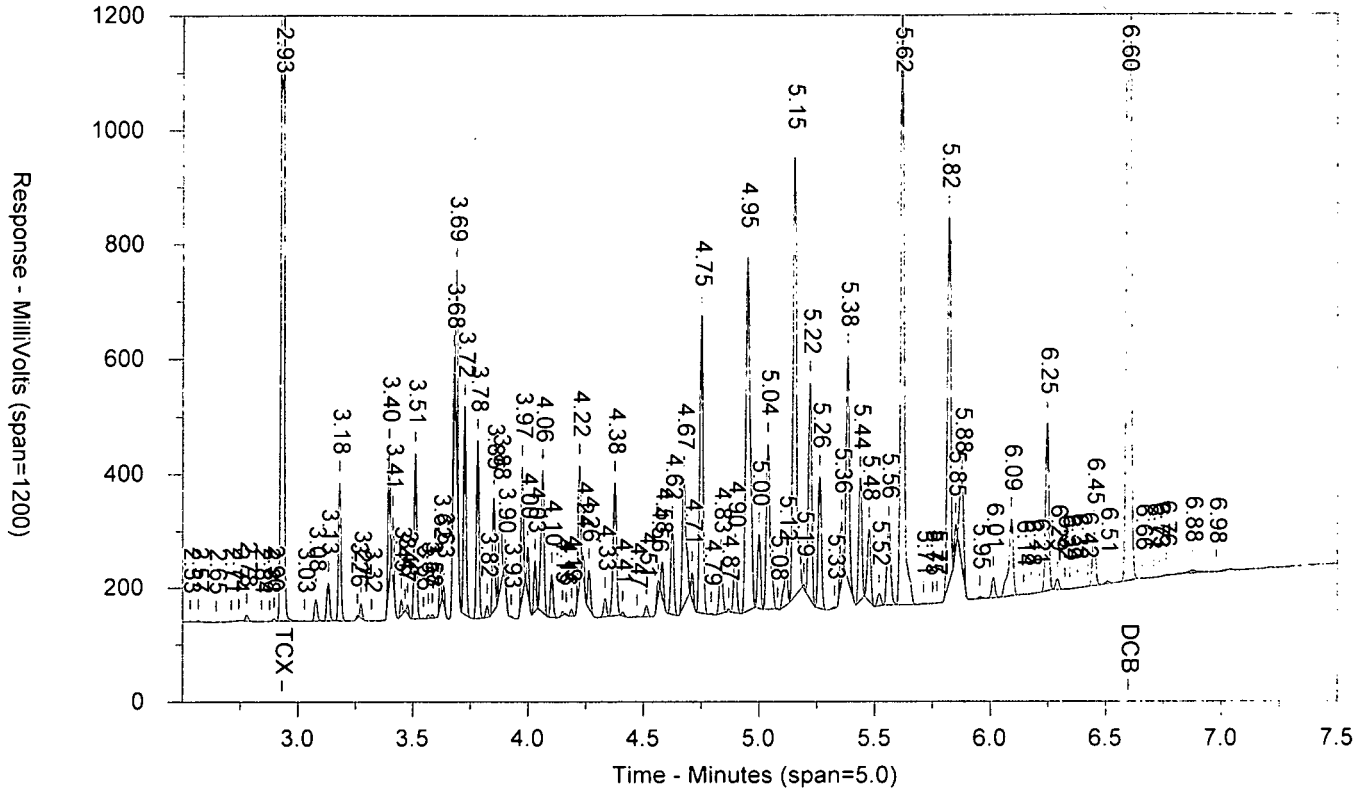

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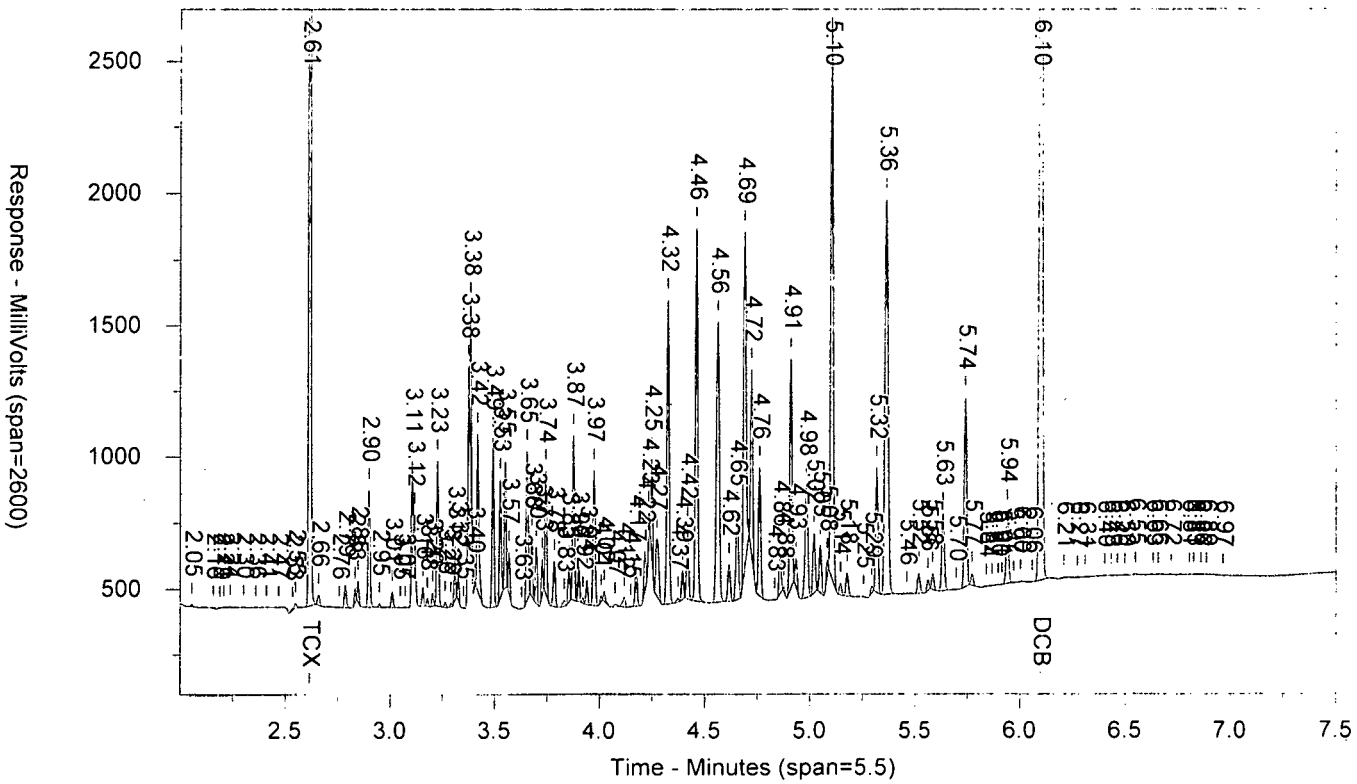

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:13:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2973586	20.087	TCX	2.615	5345393	19.984	TCX
6.596	2261102	22.531	DCB	6.096	7235337	22.506	DCB

Files:
Area File: 25PCBs17289001.009.RAW
Area File: 25PCBs17289001B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:22:22 PM
File Reported On: 10/16/2017 at 8:22:38 PM

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

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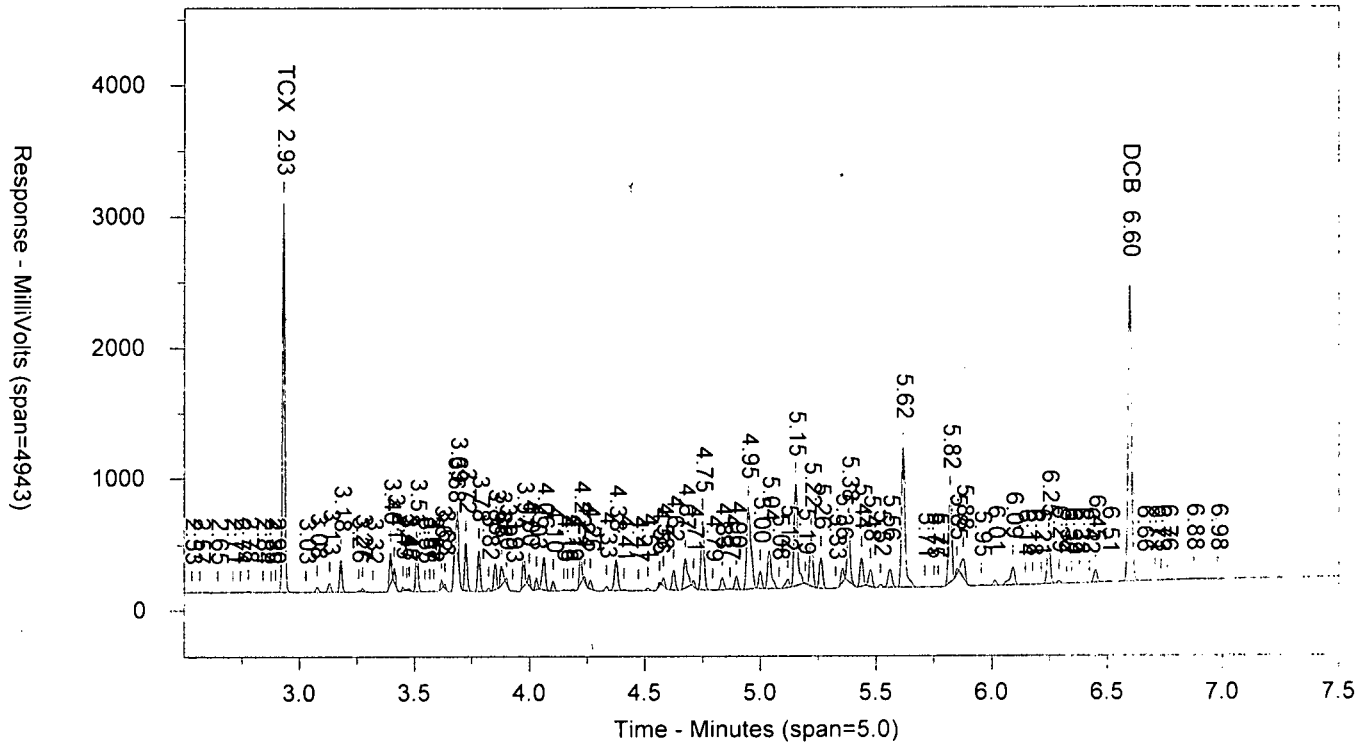

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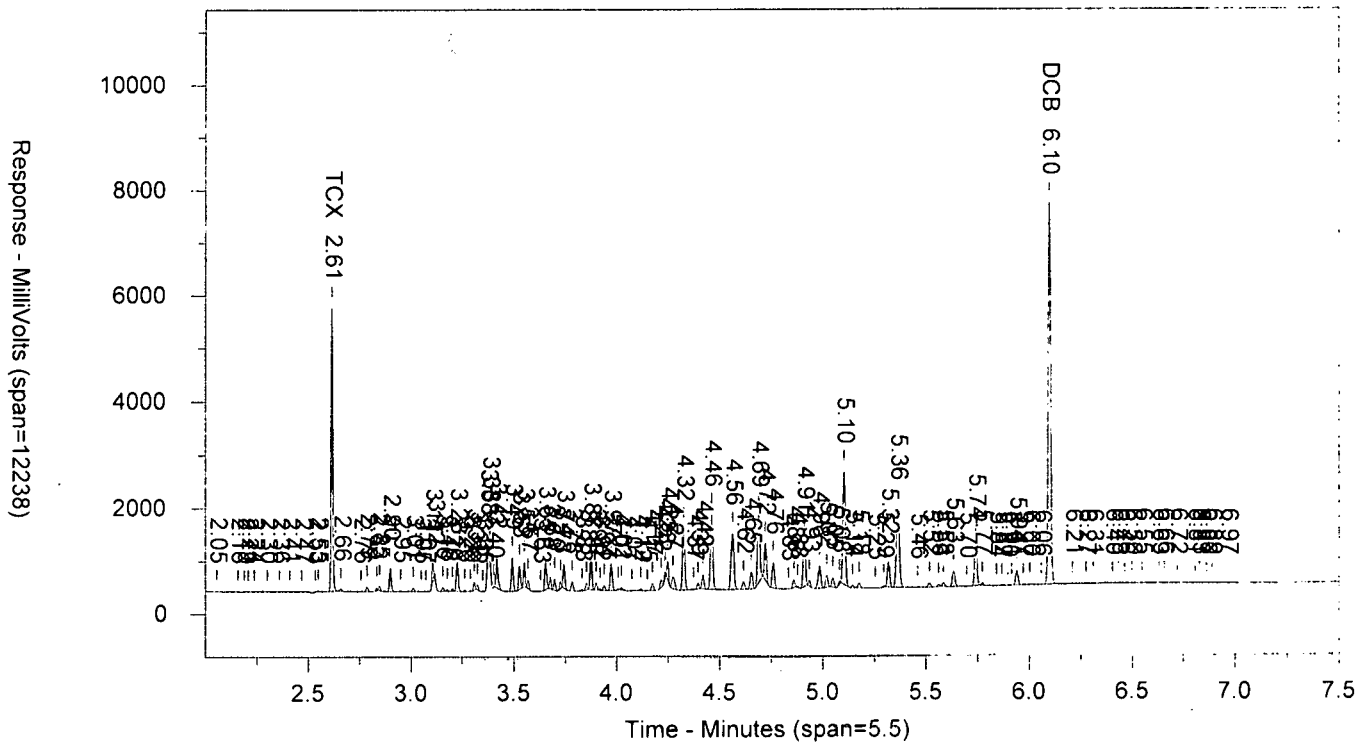

AR1631724B AAAR163AA ICAL 1728899999 10225 SW-846 8082

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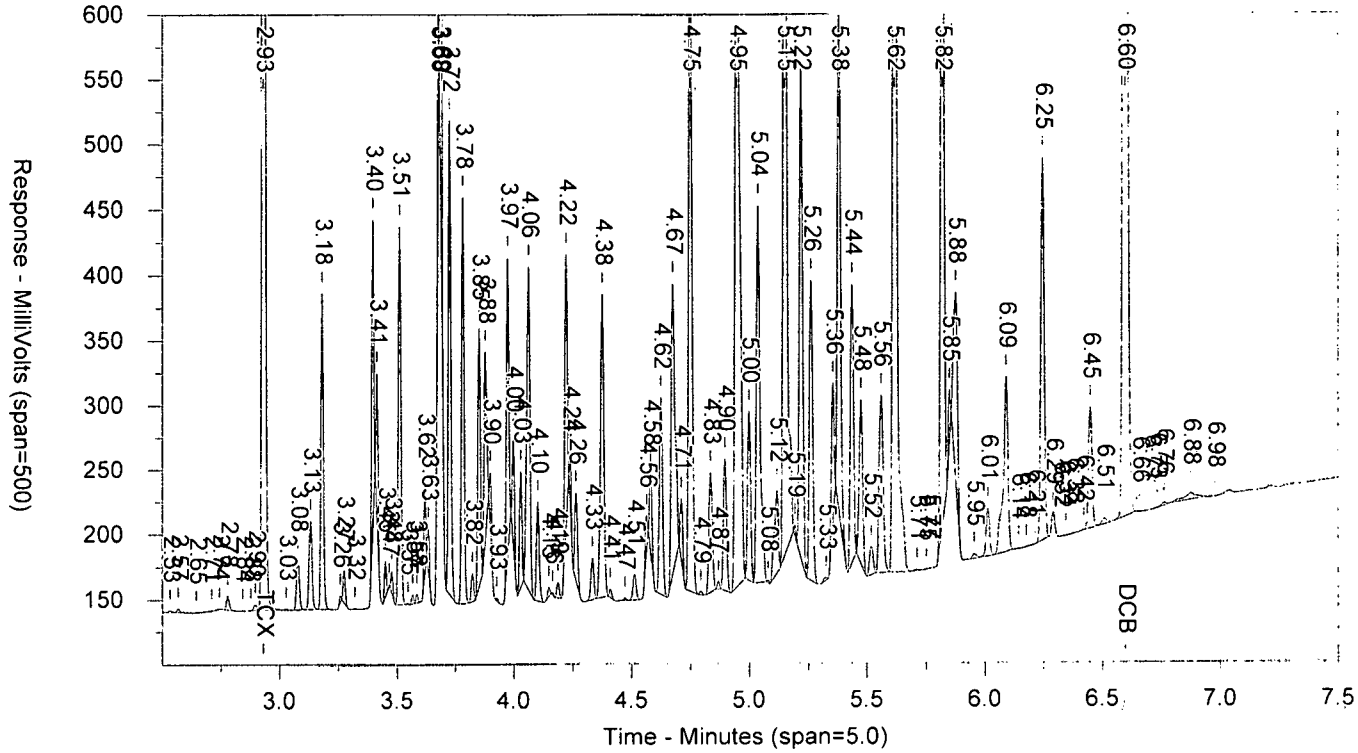

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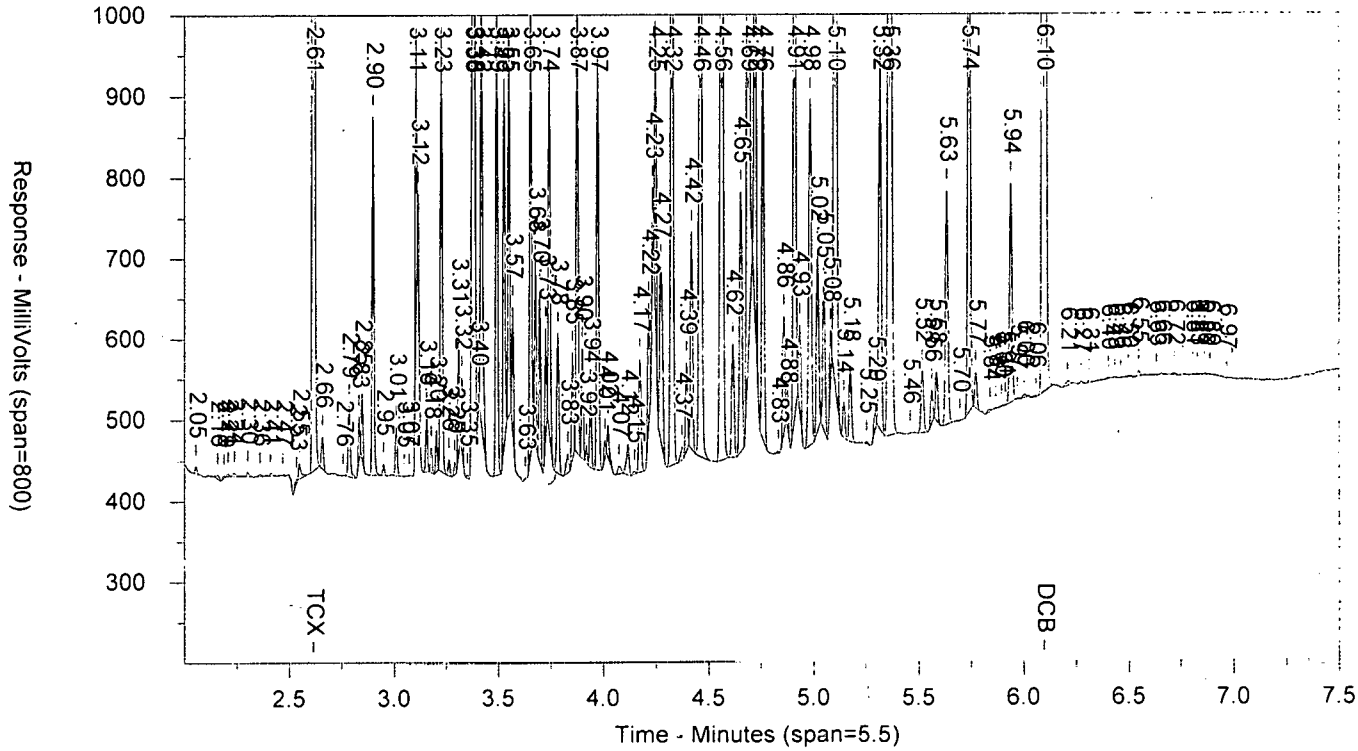

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.014		396	168
2.035		8278	8446
2.085		8959	19185
2.168		1214	1267
2.231		26104	20884
2.33		76027	58599
2.367		2970	3785
2.434		894	783
2.49		5629	5992
2.533		1753	1504
2.568		5674	3983
2.61		492	400
2.65		1013	1053
2.686		414	298
2.706		420	240
2.737		1836	2472
2.777		9936	8650
2.842		1347	1024
2.895		3848	3340
2.93	TCX	5997971	4188067
3.026		1930	1525
3.047		632	320
3.076		78980	68197
3.131		131489	121629
3.18		476010	348987
3.257		9208	4568
3.273		54655	34149
3.313		1353	990
3.361		744	489
3.394		465689	286022
3.411		217187	116027
3.448		57099	33062
3.464		4198	1662
3.475		33221	17929
3.509		570065	461804
3.547		2648	1395
3.566		13745	8017
3.584		16113	9497
3.618		126911	73591
3.633		67095	32401
3.676		244176	139333
3.687		640290	331288
3.724		699688	552176
3.781		637324	488118
3.822		47758	33451
3.851		406492	299209
3.877		269276	223135
3.899		71451	39315
3.973		448050	332966
3.997		149821	99884
4.028		170698	125764
4.061		506923	474520
4.101		150013	125573
4.147		21283	20715

RT A	Compound A	Height A	Area A
4.187		26812	19598
4.221		395138	306857
4.238		71439	37695
4.263		131827	103324
4.333		69706	58741
4.376		445605	459137
4.41		14090	9623
4.471		4201	3548
4.513		41174	38923
4.564		55835	37441
4.58		108024	79504
4.624		302887	277706
4.673		435041	500797
4.71		92158	67331
4.749		1028976	975422
4.794		5912	4726
4.834		173664	187219
4.869		11550	7304
4.896		193489	183334
4.947		1270567	1594706
4.997		241420	231856
5.037		582435	665937
5.079		3342	1431
5.117		122651	150335
5.152		1585885	1640176
5.193		15827	6519
5.219		739742	703635
5.26		450499	459998
5.355		209997	166314
5.38		793625	724347
5.437		432713	404017
5.475		243826	251141
5.517		46064	50164
5.558		283920	322658
5.616		2163371	2321958
5.705		2142	2884
5.764		955	1040
5.821		1263615	1265357
5.85		91114	56456
5.876		297074	329118
5.917		822	670
5.955		3491	4190
6.011		71225	71108
6.089		265089	369030
6.143		340	137
6.163		669	592
6.196		644	918
6.21		433	161
6.245		590112	590463
6.289		40955	38298
6.323		540	164
6.377		1591	2375
6.416		897	655
6.446		185138	190586
6.505		4523	5755
6.594	DCB	4488864	4680252
6.651		1231	994
6.702		264	169
6.76		1805	2872
6.808		655	190
6.818		1186	649
6.847		854	463
6.874		2942	3898
6.972		601	437

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		20369	14823
2.156		5852	6243
2.191		2141	2742
2.206		4513	2722
2.235		5098	6219
2.268		1880	1630
2.3		11915	9157
2.364		2881	3305
2.394		1522	1112
2.412		3724	4511
2.493		4027	2472
2.516		2446	1108
2.547		15200	9555
2.571		2113	847
2.614	TCX	11096730	6395057
2.658		78806	54344
2.702		3072	5091
2.785		170329	114315
2.832		101515	47037
2.845		150845	75437
2.898		871855	532957
2.948		26375	15441
2.982		1335	770
3.009		121143	74645
3.068		1439	763
3.105		734677	362102
3.115		225501	86424
3.156		140765	84945
3.177		66705	38238
3.202		100653	55608
3.226		1085028	714253
3.263		41374	23308
3.291		26640	12967
3.309		286517	151291
3.324		173354	84573
3.352		3579	1539
3.374		627431	294267
3.384		1365788	590592
3.404		54630	18702
3.417		1182346	781809
3.492		1321464	804144
3.526		894687	547201
3.55		930792	522290
3.568		305988	157899
3.624		976	269
3.629		516	98
3.635		400	74
3.653		1149742	734616
3.676		435830	234579
3.696		396921	240481
3.725		261109	135039
3.742		978027	575923
3.783		339910	248095
3.831		47430	40001

RT B	Compound B	Height B	Area B
3.853		271224	157123
3.874		1223993	800962
3.9		266234	161785
3.919		42273	20426
3.938		157807	101241
3.973		1021065	707190
4.008		44547	26983
4.022		75230	48819
4.081		12892	14143
4.117		74559	66657
4.147		5456	4660
4.173		272758	196449
4.216		287468	169010
4.234		247519	123989
4.248		730044	412438
4.273		423709	418468
4.325		2455583	1794770
4.372		35113	25950
4.394		219999	145733
4.419		520077	383629
4.46		2925361	2215855
4.562		2272871	2138637
4.616		289654	230774
4.654		657500	542171
4.689		2772585	2249290
4.722		1416133	997140
4.76		987891	758993
4.829		3015	3214
4.859		290328	208601
4.876		40343	21008
4.91		1745307	1402366
4.933		231622	147513
4.983		871360	799329
5.019		465977	362776
5.049		354509	286982
5.082		118225	71631
5.103		4413765	3612945
5.144		89298	66918
5.175		177239	150578
5.255		3044	2426
5.294		48554	30776
5.317		914085	753569
5.362		3057777	3314144
5.463		2108	1221
5.481		2184	1266
5.517		147432	129083
5.562		84173	58865
5.585		113150	87452
5.633		632930	521029
5.684		1781	1200
5.74		1476701	1257134
5.771		92983	68521
5.854		1003	4794
5.869		1098	487
5.893		3170	3785
5.938		526793	450005
5.97		3392	2260
6.002		3892	4776
6.051		1287	1113
6.096	DCB	15164730	12521300
6.213		7773	15532
6.273		5343	4884
6.308		2615	1655
6.355		1260	656
6.402		1347	1309
6.434		2727	2239

RT B	Compound B	Height B	Area B
6.485		523	1022
6.503		2310	1926
6.544		15878	13623
6.598		547	554
6.608		1237	1232
6.637		903	260
6.657		1261	763
6.717		2847	3175
6.768		3731	3533
6.787		1564	551
6.804		1021	360
6.814		953	358
6.832		803	410
6.862		2271	2775
6.98		934	509

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

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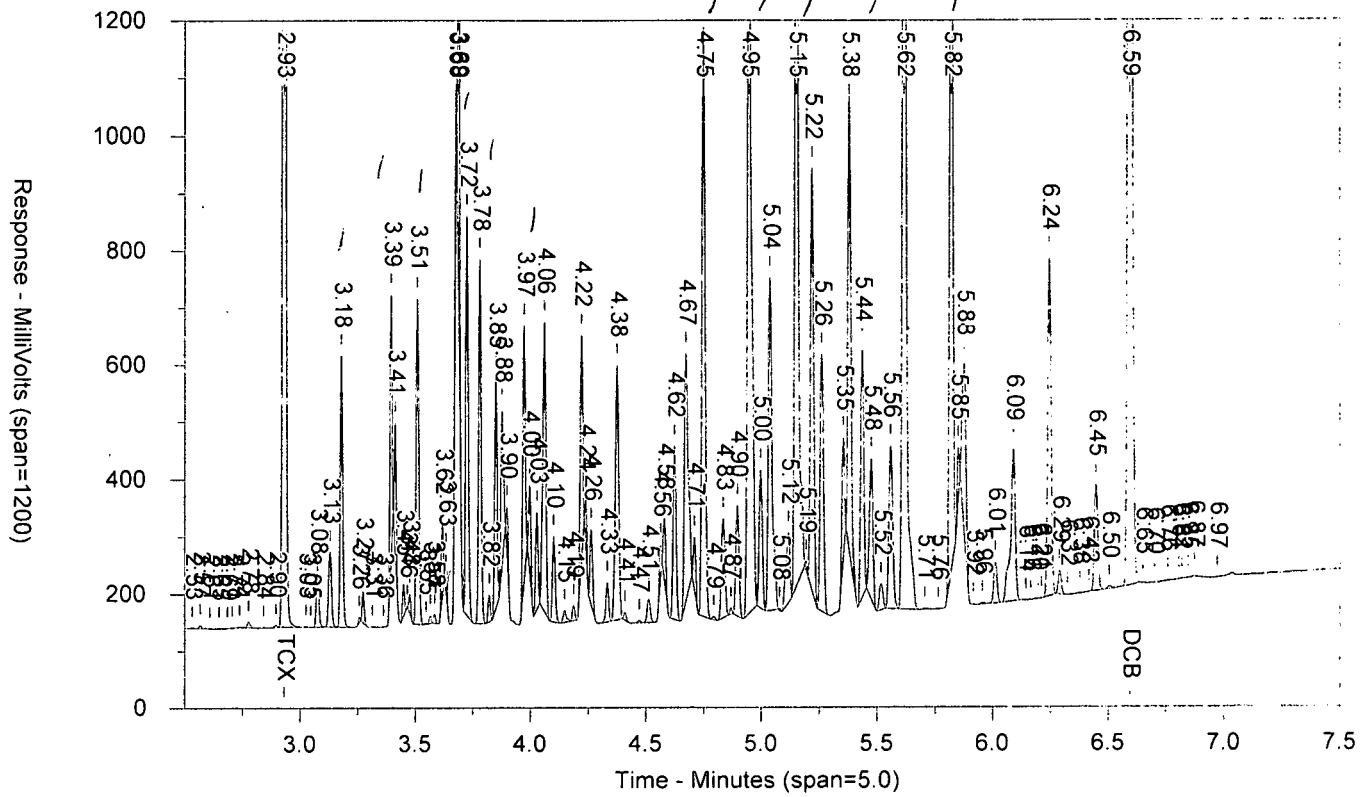

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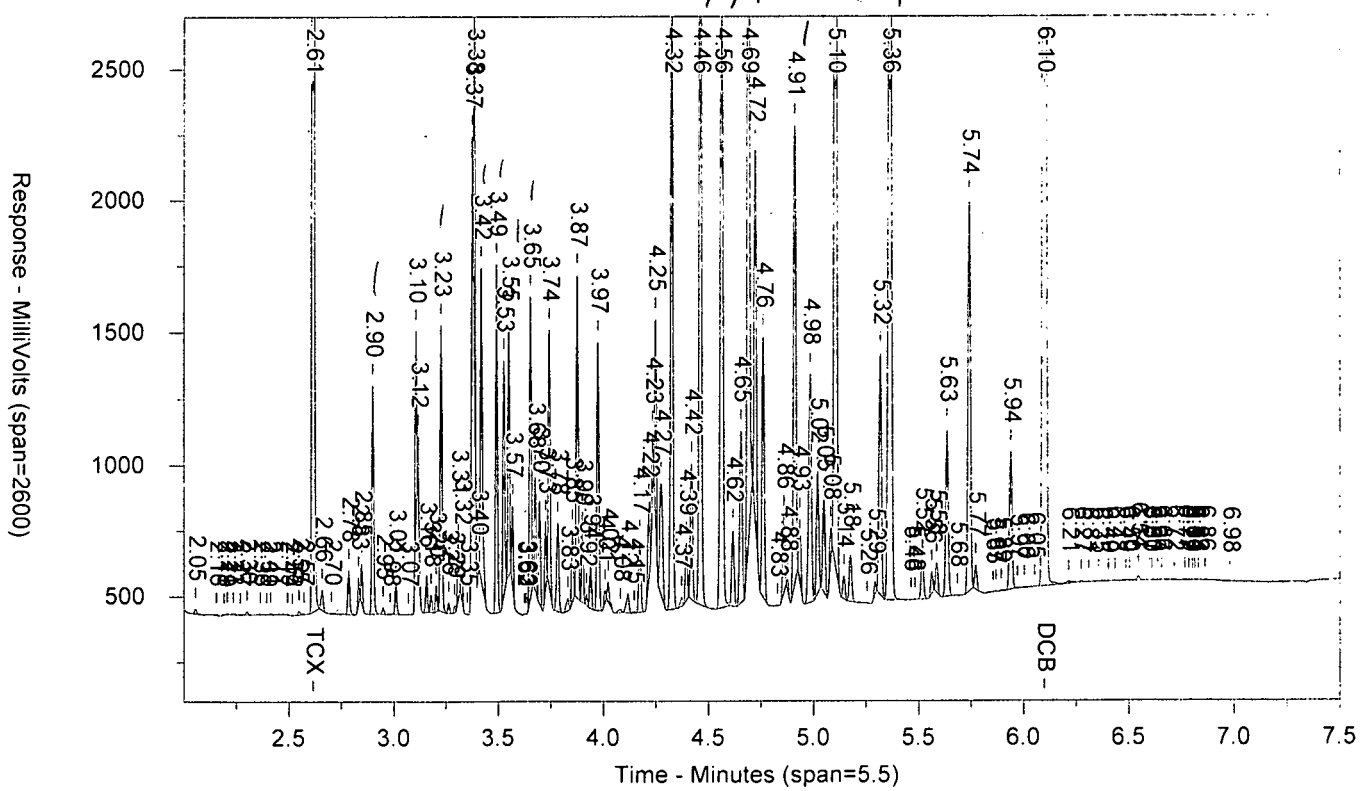

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:25:09 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5997971	40.497	TCX	2.614	11096730	41.55	TCX
6.594	4488864	43.106	DCB	6.096	15164730	45.523	DCB

Files:
Area File: 25PCBs17289001.010.RAW
Area File: 25PCBs17289001B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:33:40 PM
File Reported On: 10/16/2017 at 8:33:55 PM

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

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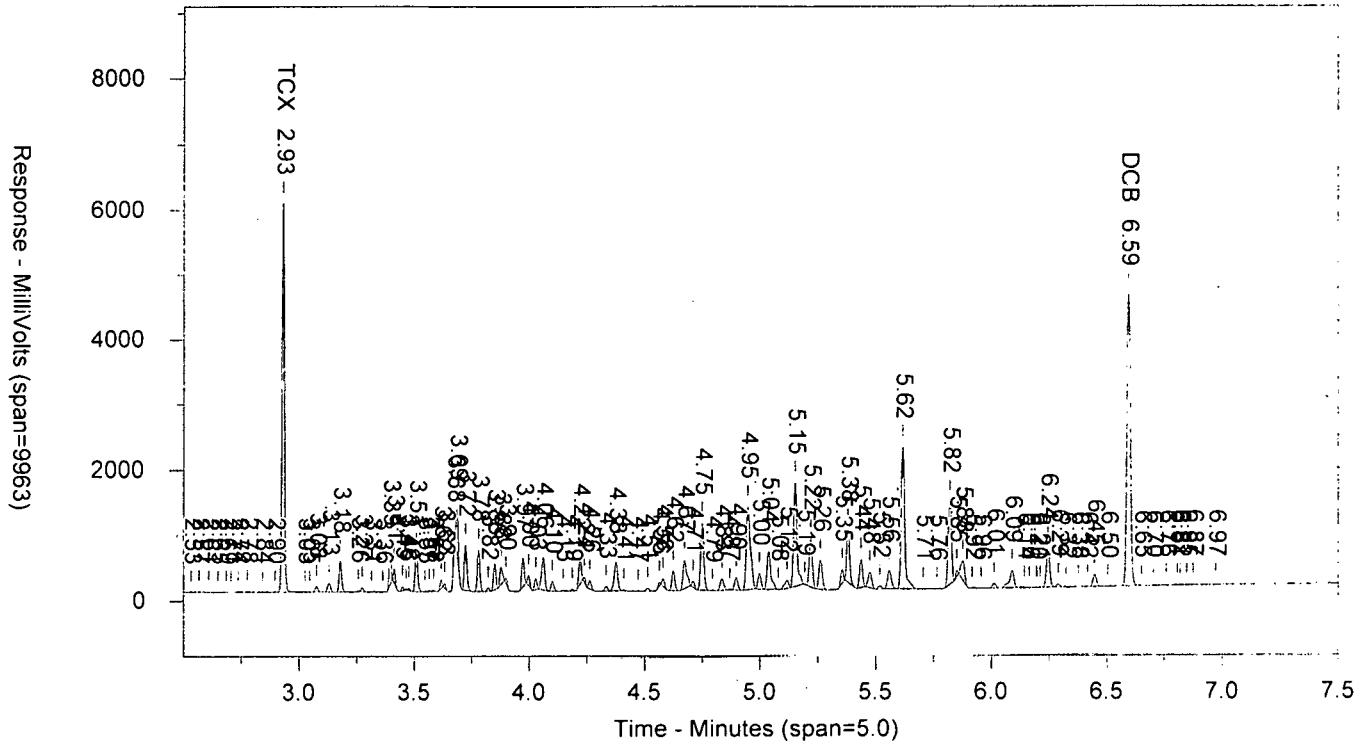

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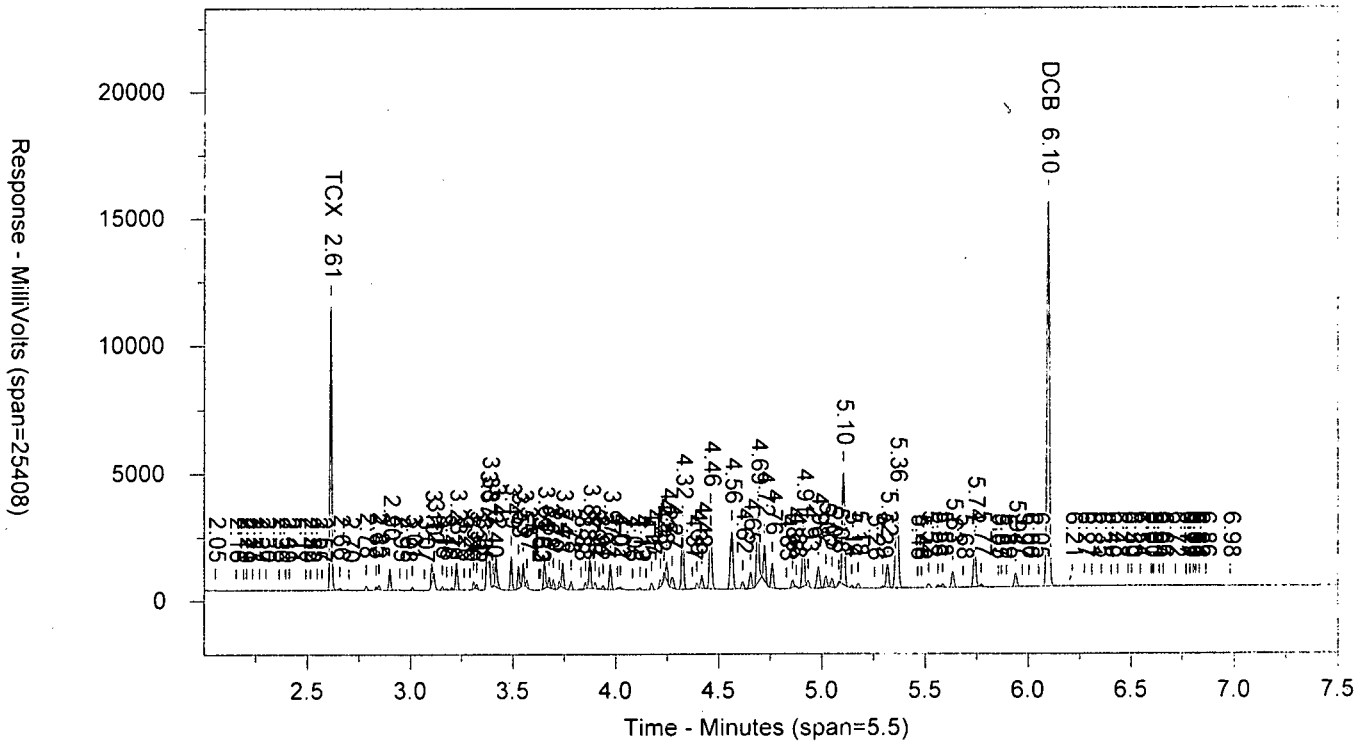

AR1641724B AAAR164AA ICAL 1728899999 10225 SW-846 8082

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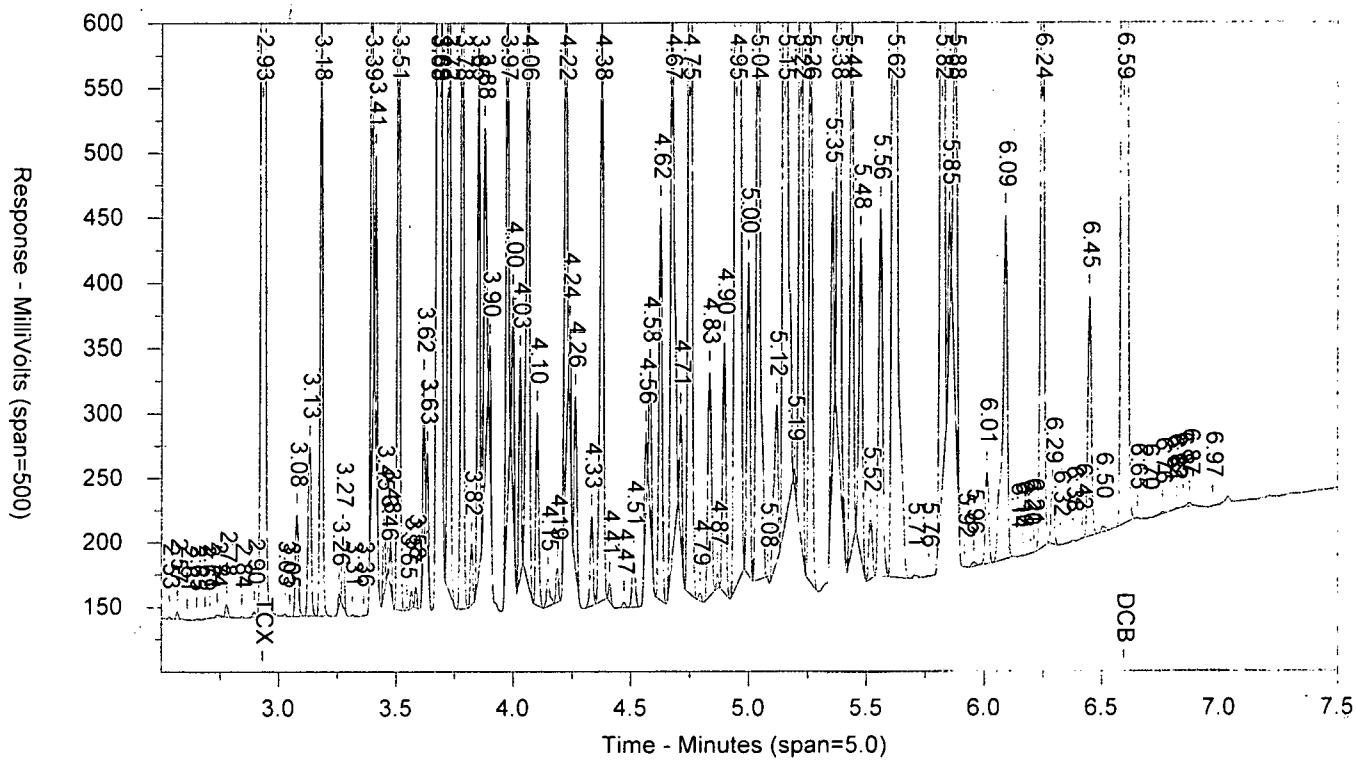

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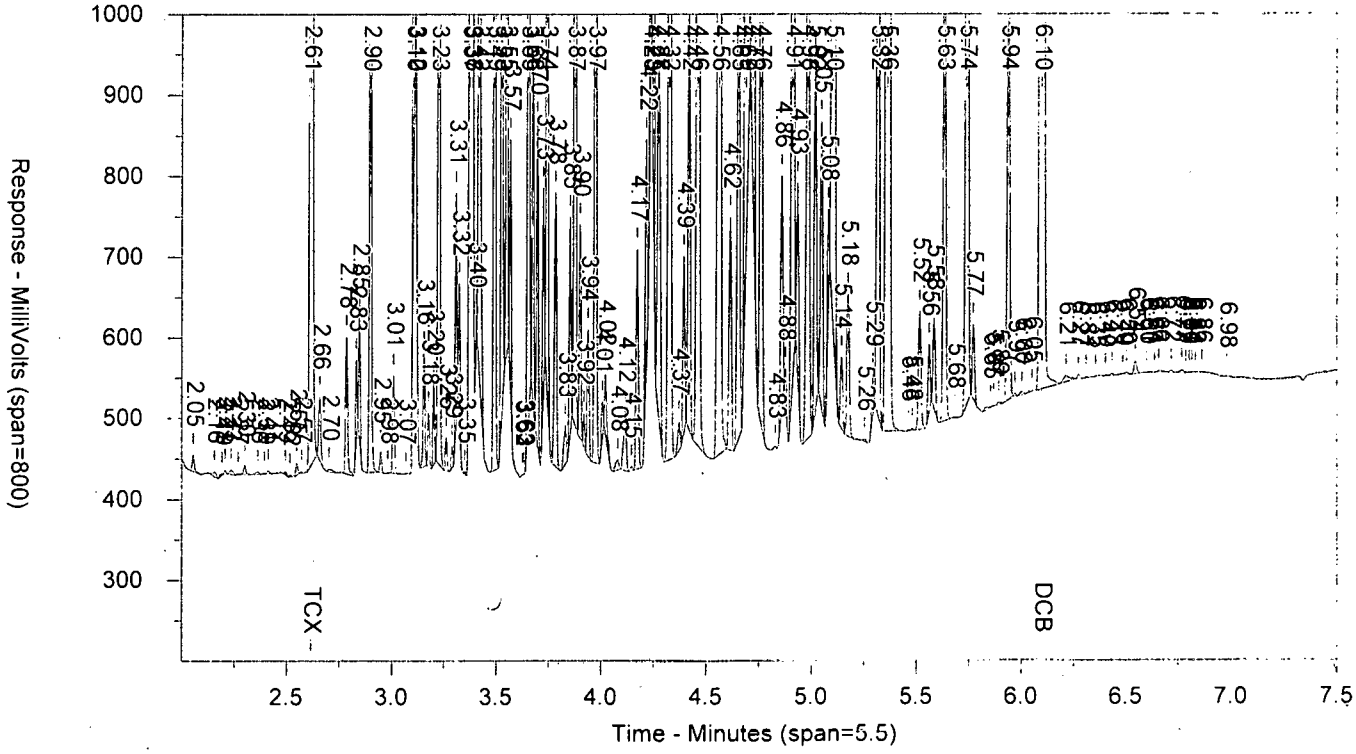

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.013		288	167
2.035		8937	8998
2.081		9671	16692
2.209		349	314
2.231		37905	29169
2.334		20770	22454
2.368		2134	2315
2.43		602	444
2.49		6974	8058
2.534		1512	1345
2.568		13931	10885
2.709		724	550
2.738		560	470
2.75		687	400
2.778		17975	16575
2.843		2622	2233
2.895		4626	3735
2.931	TCX	9018581	6301984
3.027		2527	1530
3.076		178862	161016
3.132		261198	237042
3.18		1100373	808617
3.257		10571	5407
3.273		128817	86020
3.314		3158	2348
3.363		693	407
3.395		1081253	651299
3.411		488462	260816
3.448		124831	74803
3.464		10906	3939
3.475		72546	38917
3.509		1363805	1067135
3.546		5449	2688
3.565		16404	9517
3.584		41798	26419
3.619		281752	161962
3.633		146893	72624
3.677		423838	306858
3.687		1683983	854656
3.724		1727063	1303267
3.781		1521255	1158219
3.822		109229	78077
3.851		927945	674509
3.877		599459	504496
3.899		150106	78657
3.947		667	186
3.973		1064354	762294
3.997		344016	225192
4.028		376393	274382
4.061		1174563	1097505
4.1		340621	282874
4.148		50200	45089
4.187		65281	49244
4.22		975526	709988

RT A	Compound A	Height A	Area A
4.238		171105	87209
4.262		293577	222228
4.332		156100	134509
4.375		1057951	1036784
4.409		32641	22749
4.451		717	388
4.471		10612	8521
4.512		109127	103768
4.563		127741	82597
4.579		247271	176665
4.624		671089	629843
4.673		1046802	1124508
4.709		204509	150987
4.749		2414911	2263694
4.792		16710	13606
4.834		394322	418193
4.868		29419	18744
4.895		440380	402963
4.947		3027383	3697421
4.997		534944	501976
5.037		1416321	1537851
5.08		9172	4017
5.117		268325	320443
5.151		3781575	3874195
5.192		34859	15864
5.218		1679650	1606058
5.261		1087816	1036546
5.355		478936	377265
5.38		1865858	1685371
5.436		962533	890450
5.474		553350	549854
5.517		101598	112613
5.558		637681	730221
5.616		5207845	5494008
5.707		5396	6641
5.766		2163	2536
5.82		3186838	2979271
5.85		170428	102993
5.877		708533	750893
5.915		1514	1259
5.955		4134	5236
6.012		135090	139742
6.09		592443	811760
6.154		532	311
6.2		1335	2106
6.245		1288508	1332601
6.29		90002	86272
6.338		610	199
6.378		1657	1356
6.447		381071	406703
6.507		4754	6496
6.595	DCB	6787356	6851101
6.65		2851	2795
6.723		682	304
6.764		1964	2174
6.826		1103	1612
6.877		3133	4650
6.922		602	286
6.95		481	148
6.981		866	673

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		28181	19939
2.145		6128	15945
2.204		4026	9109
2.234		4958	5544
2.3		25807	17258
2.365		2513	3252
2.409		2521	2893
2.516		2701	1159
2.531		3181	1560
2.548		30156	20567
2.572		3955	1876
2.615	TCX	17208340	9724556
2.658		169188	126515
2.785		386692	257381
2.832		135161	63324
2.846		356279	188797
2.898		1946273	1212295
2.948		38174	22356
3.009		268112	165451
3.064		646	93
3.07		950	344
3.086		950	345
3.105		1613163	804491
3.116		579775	216832
3.156		309863	191270
3.177		141937	81891
3.202		226807	126071
3.226		2541111	1646493
3.262		95389	56251
3.291		33215	14953
3.309		654051	344959
3.324		376273	182963
3.351		6269	2882
3.375		1275373	687584
3.384		3264459	1367689
3.404		105488	38378
3.418		2902247	1856057
3.492		3193042	1913744
3.526		2096733	1252818
3.55		2209338	1222240
3.567		711153	361445
3.623		2195	1058
3.653		2757140	1714605
3.675		975641	530470
3.696		932612	545003
3.725		600587	309920
3.742		2292746	1351219
3.783		780411	563400
3.83		115054	97647
3.852		591227	354378
3.874		2911130	1861866
3.899		632801	372051
3.918		94697	45649
3.938		337267	215613

RT B	Compound B	Height B	Area B
3.973		2405667	1635197
4.007		106607	65338
4.021		175170	114369
4.083		23755	21693
4.117		176836	167055
4.149		9534	6881
4.174		614007	449132
4.215		635088	372721
4.234		543406	260262
4.247		1754404	961709
4.273		986726	968902
4.324		5670458	4259962
4.372		78689	63942
4.393		525025	340915
4.418		1228473	869555
4.46		7195716	5234416
4.562		5522907	5120782
4.615		652242	539967
4.653		1473098	1245686
4.689		6677144	5434157
4.721		3468503	2385694
4.76		2369547	1789969
4.828		7578	7327
4.858		657335	481069
4.875		65864	34085
4.909		4377946	3368721
4.933		522097	335599
4.983		1937641	1848485
5.018		1087486	844968
5.048		831882	670260
5.081		306664	194967
5.103		10831590	8888378
5.144		201516	155301
5.175		417593	336227
5.218		3765	2160
5.254		5653	5004
5.294		114033	71908
5.316		2270839	1789847
5.362		7672535	8111024
5.46		2466	1228
5.482		4601	3183
5.517		291892	257488
5.562		204594	144110
5.584		251697	182303
5.633		1482230	1208977
5.683		2292	2127
5.739		3809090	2954415
5.771		202744	158621
5.84		3664	5534
5.87		1221	756
5.892		3250	2845
5.938		1132120	952838
5.969		3819	2384
6.002		3541	4157
6.026		1494	257
6.055		3026	2746
6.097	DCB	21860360	18320400
6.211		4286	4255
6.272		12766	10597
6.316		1471	1669
6.342		1324	351
6.408		1681	2077
6.481		1203	878
6.5		2233	2061
6.544		23113	20185
6.617		2422	1598

RT B	Compound B	Height B	Area B
6.658		2977	5440
6.716		4536	4659
6.768		1800	1965
6.862		2127	2927
6.893		1746	4736

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

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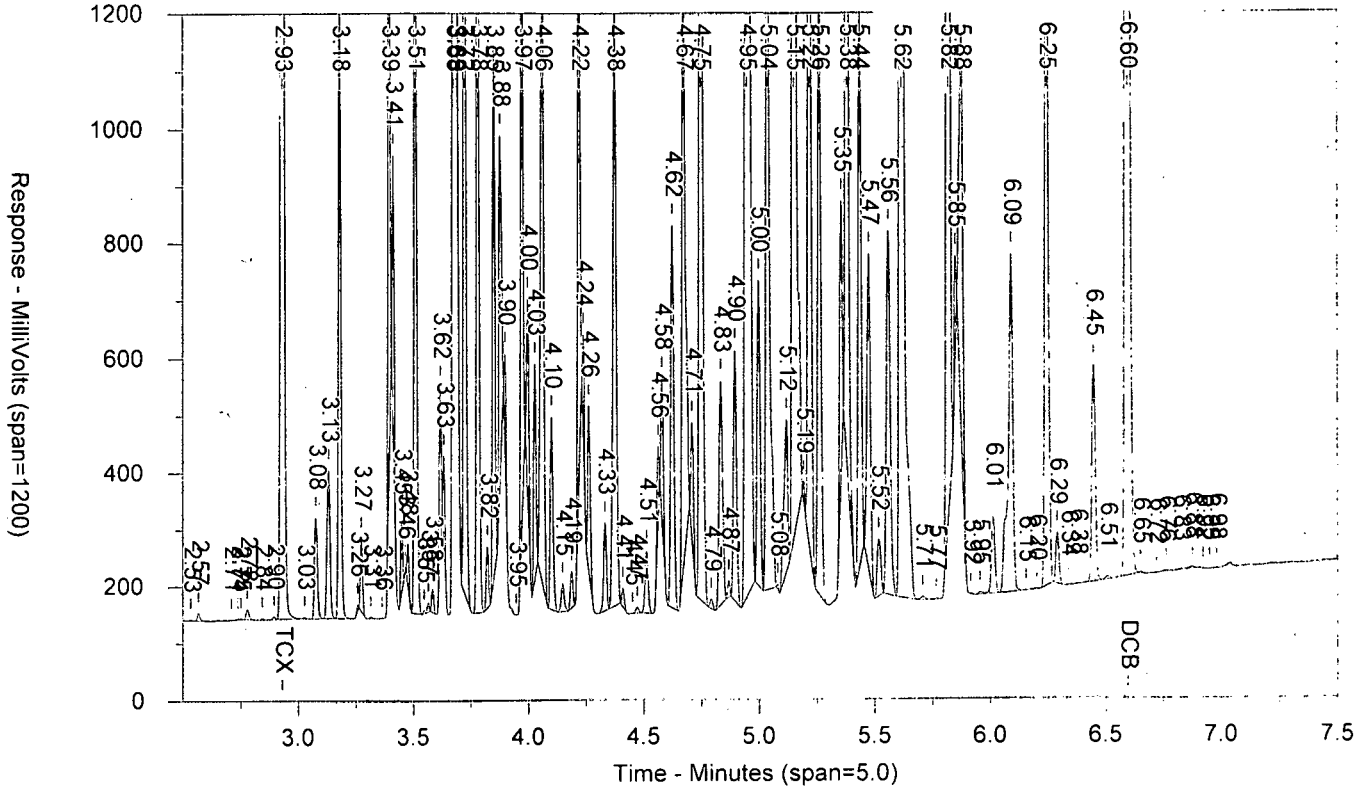

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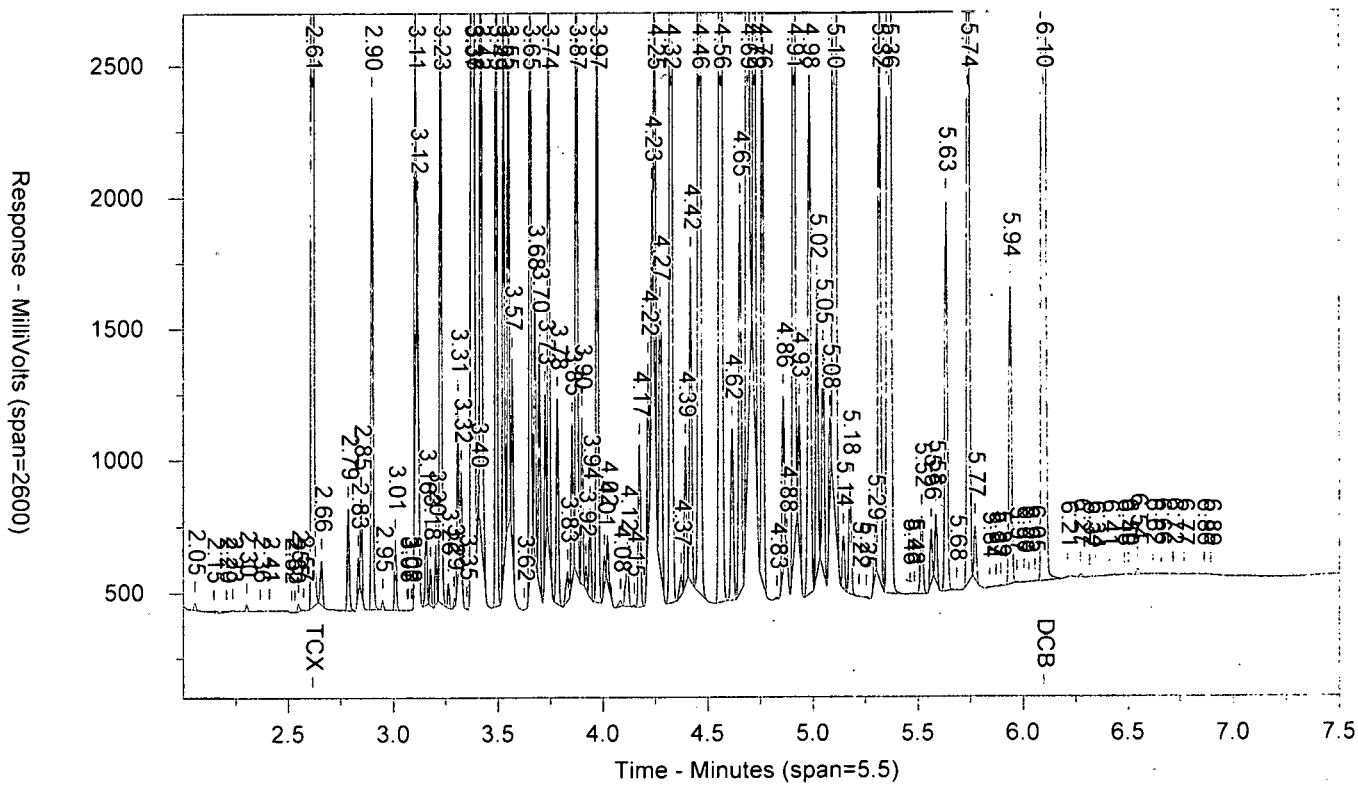

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:36:28 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	9018581	61.267	TCX	2.615	17208340	64.423	TCX
6.595	6787356	63.139	DCB	6.097	21860360	63.086	DCB

Files:
Area File: 25PCBs17289001.011.RAW
Area File: 25PCBs17289001B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:44:58 PM
File Reported On: 10/16/2017 at 8:45:09 PM

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

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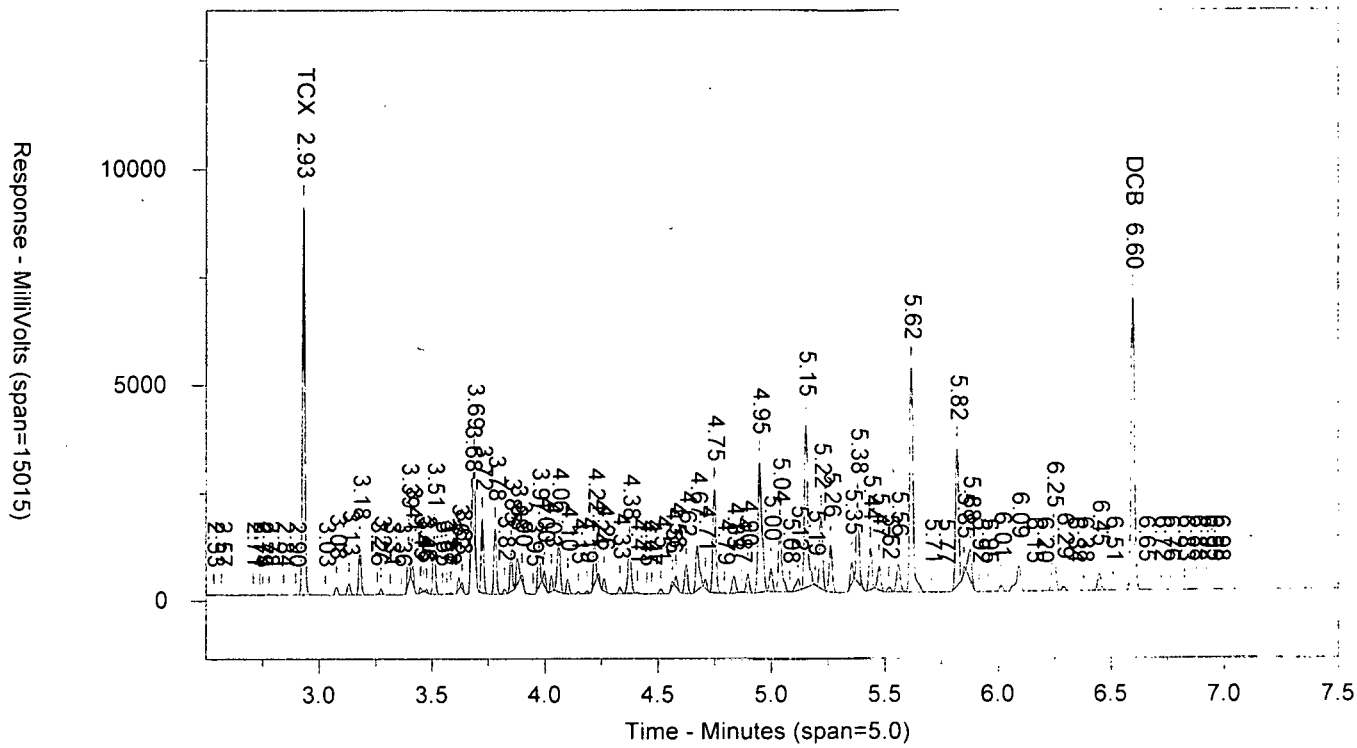

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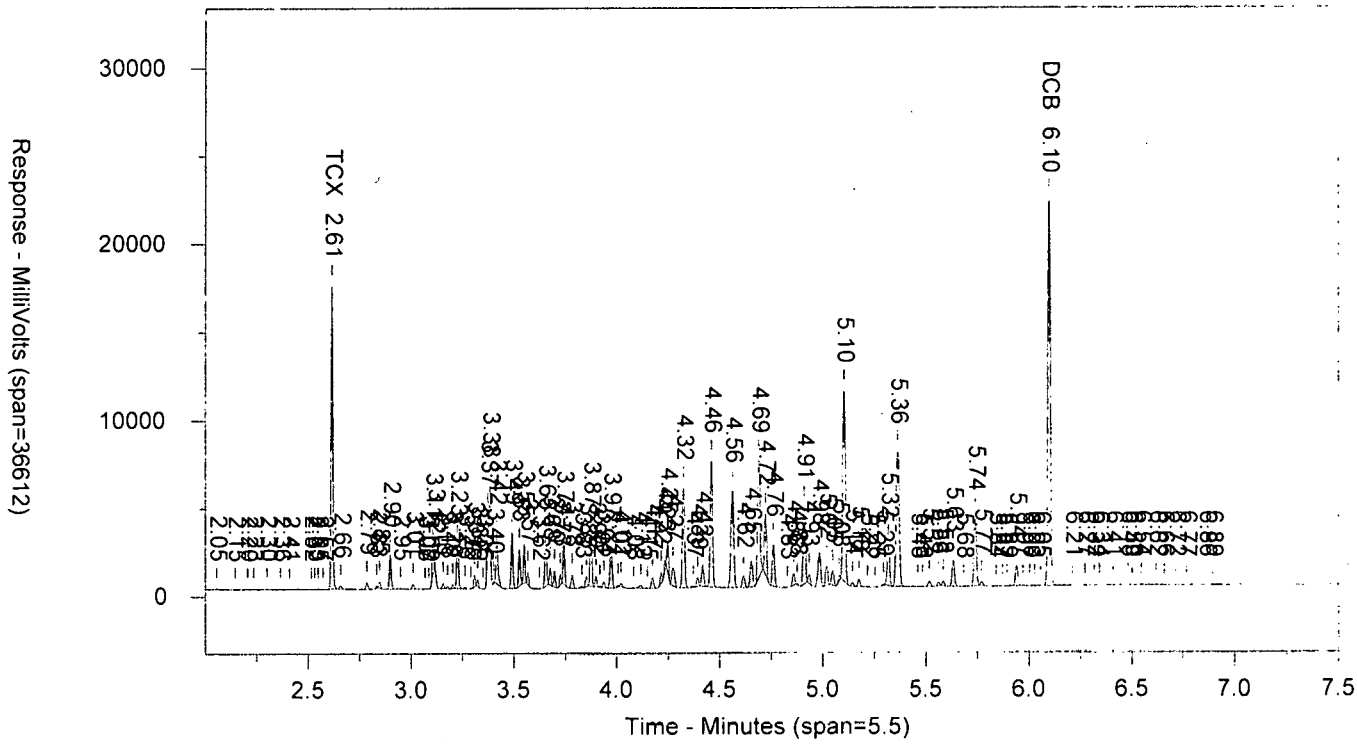

AR1651724B AAAR165AA ICAL 1728899999 10225 SW-846 8082

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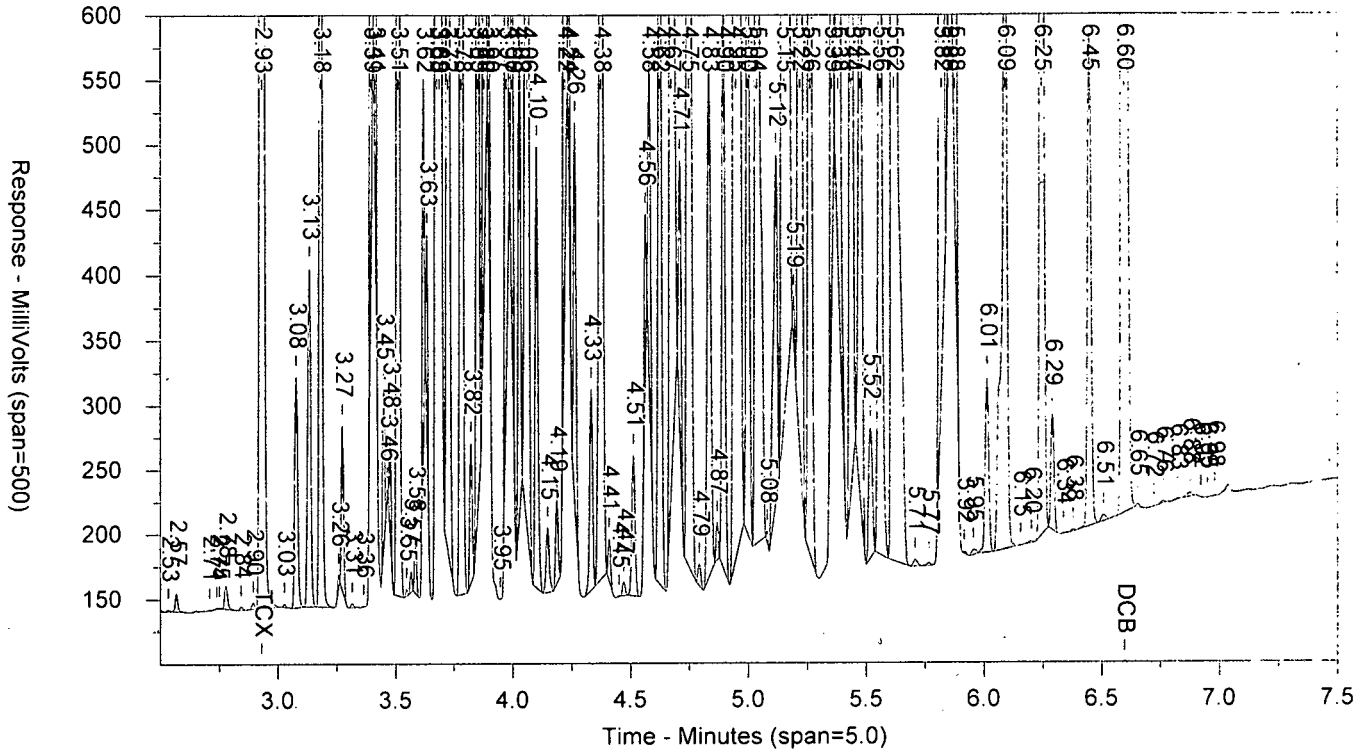

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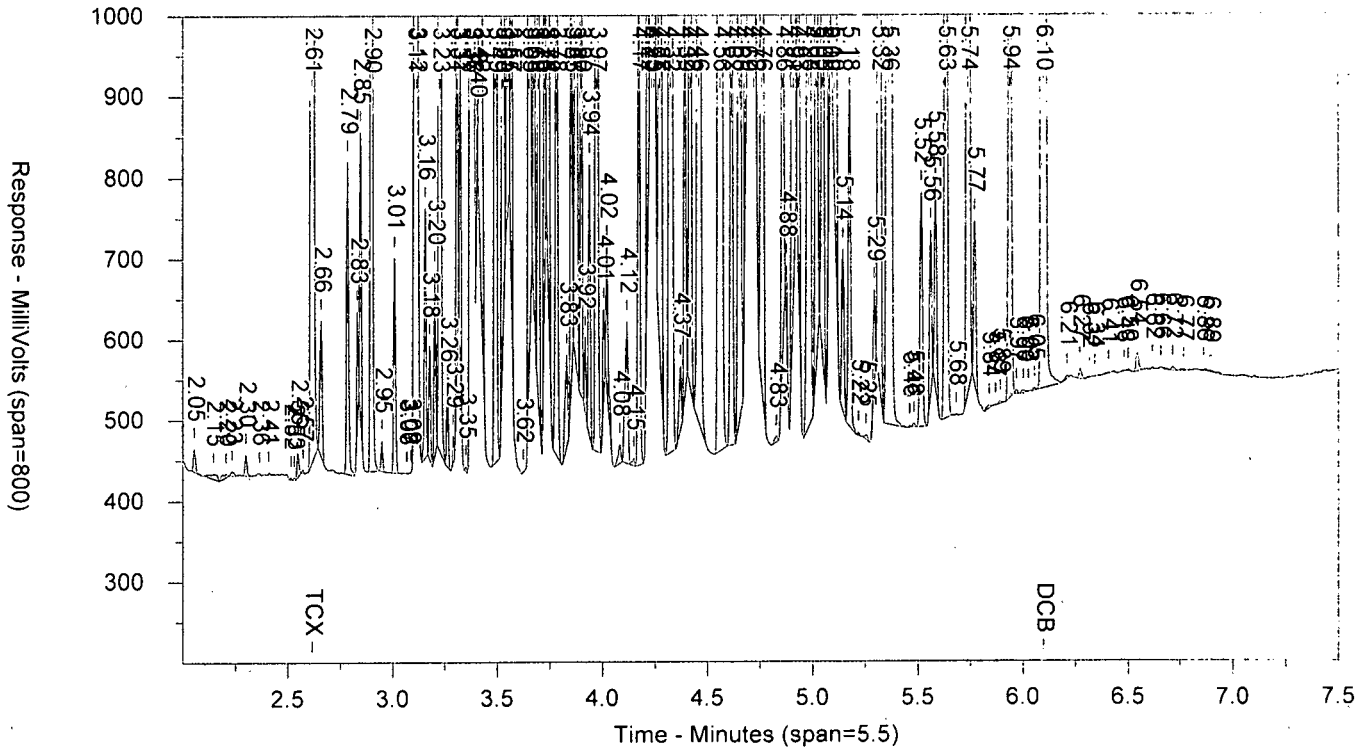

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.02		245	207
2.036		7245	7349
2.086		8957	20068
2.204		632	438
2.232		49603	37152
2.338		22326	25061
2.364		1852	1532
2.445		408	177
2.489		5508	6651
2.535		1676	1462
2.568		26176	19363
2.617		478	163
2.653		1184	1116
2.708		606	568
2.747		1130	1470
2.778		13621	12566
2.842		5072	3832
2.875		484	339
2.894		3527	2680
2.931	TCX	12152110	8258695
3.028		2883	1928
3.048		648	372
3.077		333637	299343
3.133		476922	403925
3.18		2107103	1551293
3.257		10825	5401
3.273		238900	168123
3.315		6764	5036
3.395		2147908	1259067
3.411		923945	492528
3.449		241898	139662
3.464		19988	7493
3.475		129588	70678
3.509		2673266	2081655
3.546		11664	5810
3.565		21909	13240
3.584		88085	56684
3.619		567444	318213
3.633		284443	141764
3.676		1216734	698576
3.687		3149005	1679583
3.724		3392173	2603205
3.781		3085021	2329375
3.823		202945	145076
3.851		1843285	1333835
3.878		1294798	1040848
3.899		335798	174054
3.949		1117	448
3.973		2111336	1523908
3.997		672675	446585
4.029		760576	534097
4.062		2398858	2214958
4.101		639582	548446
4.148		105513	88275

RT A	Compound A	Height A	Area A
4.187		131413	99138
4.222		1982595	1415873
4.238		294104	150098
4.263		535449	420334
4.334		293732	258524
4.376		2097361	2062973
4.409		61873	41741
4.45		1329	714
4.472		19629	15604
4.512		182919	179683
4.564		251130	166803
4.58		478724	334542
4.624		1409697	1259380
4.674		2042050	2271862
4.71		433662	297434
4.749		5082846	4645144
4.793		27955	22790
4.835		805654	821058
4.867		48964	31371
4.895		843253	794727
4.947		6084884	7630192
4.998		1089235	984449
5.038		2872701	3146115
5.08		19231	7908
5.118		485018	599448
5.151		7966411	8394090
5.219		3646314	3315089
5.261		2157053	2095387
5.355		958830	759381
5.38		3978470	3478503
5.436		1944100	1794477
5.475		1078387	1090518
5.517		181586	198182
5.558		1288253	1457266
5.615		10955880	11361080
5.705		10357	12563
5.766		3450	3345
5.819		6611228	6175973
5.85		396022	241373
5.876		1350870	1496053
5.917		3300	2489
5.96		2770	3182
6.012		195932	207990
6.063		55648	51284
6.089		1054725	986021
6.195		2567	4859
6.244		2598897	2649265
6.289		170073	164985
6.341		968	684
6.377		2079	1965
6.417		835	568
6.447		720469	735384
6.508		4117	5539
6.594	DCB	8997452	9227498
6.653		6221	5409
6.722		333	292
6.729		707	247
6.763		1362	1894
6.795		723	299
6.806		576	138
6.843		694	1419
6.869		893	576
6.899		1536	1651
6.979		1319	1817

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.056		36347	25960
2.187		4015	2515
2.209		1973	1621
2.234		4927	5439
2.3		48468	32341
2.363		3881	4318
2.411		3642	2621
2.473		2001	2484
2.533		3043	1807
2.548		21338	13122
2.571		8136	4567
2.615	TCX	21546340	12840740
2.659		294942	229890
2.786		702867	466347
2.832		164356	74700
2.847		679034	366987
2.899		3753429	2298264
2.949		49863	28268
3.009		484607	307097
3.069		1145	517
3.086		1216	404
3.105		3267625	1579711
3.116		1145283	442045
3.156		579725	359298
3.177		268647	149712
3.203		405067	231780
3.226		4838058	3183067
3.263		177227	103450
3.291		42728	19088
3.309		1322926	681508
3.325		774323	365341
3.35		9454	4239
3.375		2932757	1415760
3.384		6825200	2911735
3.404		206203	75328
3.418		5658411	3734446
3.492		6378178	3835005
3.527		4234774	2461207
3.55		4491786	2463225
3.568		1433144	716393
3.622		2607	1100
3.654		5443392	3443104
3.676		2039437	1070090
3.697		1850398	1079597
3.726		1147754	582486
3.743		4667675	2771349
3.783		1531166	1101049
3.831		219702	178176
3.853		1209875	713948
3.875		6067831	3804664
3.9		1289765	757640
3.919		182113	88179
3.939		655639	407128
3.973		5146214	3308091

RT B	Compound B	Height B	Area B
4.007		202345	121053
4.022		342354	212840
4.083		41129	33556
4.118		311868	288615
4.149		5855	2416
4.174		1293086	893052
4.216		1280662	747961
4.234		1160016	571978
4.247		3675995	2010910
4.273		2052259	1994997
4.325		11790720	8702198
4.373		140590	112227
4.394		1060979	687804
4.419		2431868	1760316
4.461		14276920	10802120
4.564		11015160	10580890
4.616		1322395	1075917
4.654		3123592	2526025
4.69		14096930	11369680
4.722		6981668	4819353
4.76		4763950	3718684
4.83		16952	17547
4.859		1671960	1591766
4.91		9070288	7017138
4.934		1146164	719081
4.983		4480467	3830245
5.019		2238986	1728317
5.049		1647988	1350942
5.081		734301	443329
5.103		22931020	18537730
5.144		419423	316307
5.175		795784	621870
5.217		6846	3816
5.254		7521	6660
5.294		210437	140829
5.317		4726929	3646266
5.362		16628970	16624980
5.43		3847	2642
5.463		4116	2717
5.481		9599	6226
5.517		444417	383595
5.562		398169	299963
5.585		339026	246815
5.633		2957020	2401585
5.668		1016	332
5.684		2018	1176
5.74		7530811	5990753
5.771		407274	307486
5.836		4437	4624
5.868		1064	648
5.891		4977	3977
5.939		2172734	1755200
5.969		5183	2601
5.992		1261	542
6.004		1767	633
6.033		2761	1697
6.057		4351	2697
6.096	DCB	29665660	24634340
6.209		4052	3089
6.229		2889	1958
6.273		22613	18717
6.307		1673	1318
6.348		1423	463
6.356		1567	577
6.4		1697	2082
6.431		3519	3323

RT B	Compound B	Height B	Area B
6.479		1633	1534
6.499		2967	2204
6.545		28594	25446
6.581		1550	824
6.618		4425	3987
6.646		887	547
6.661		2202	1461
6.717		5741	5564
6.76		1462	1434
6.865		2068	1811
6.93		3812	3568

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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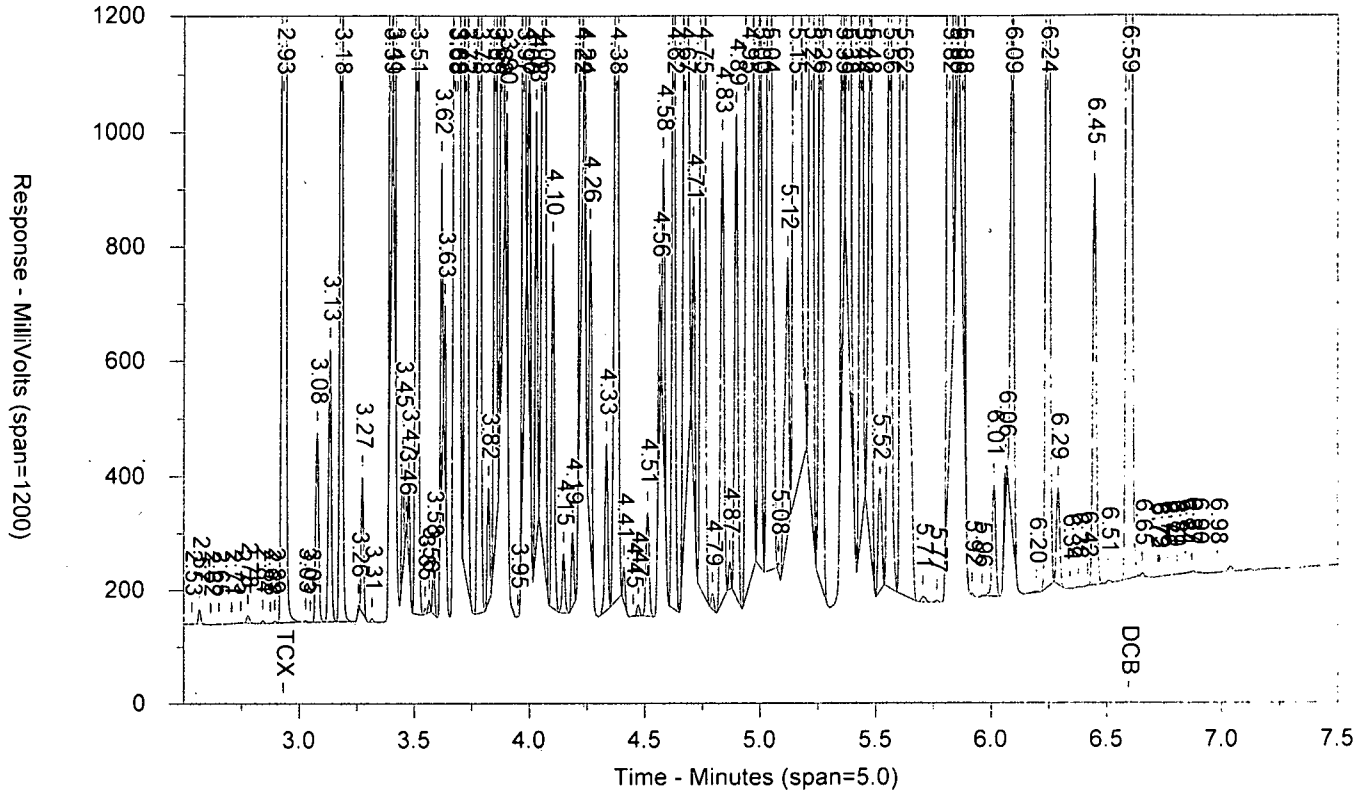

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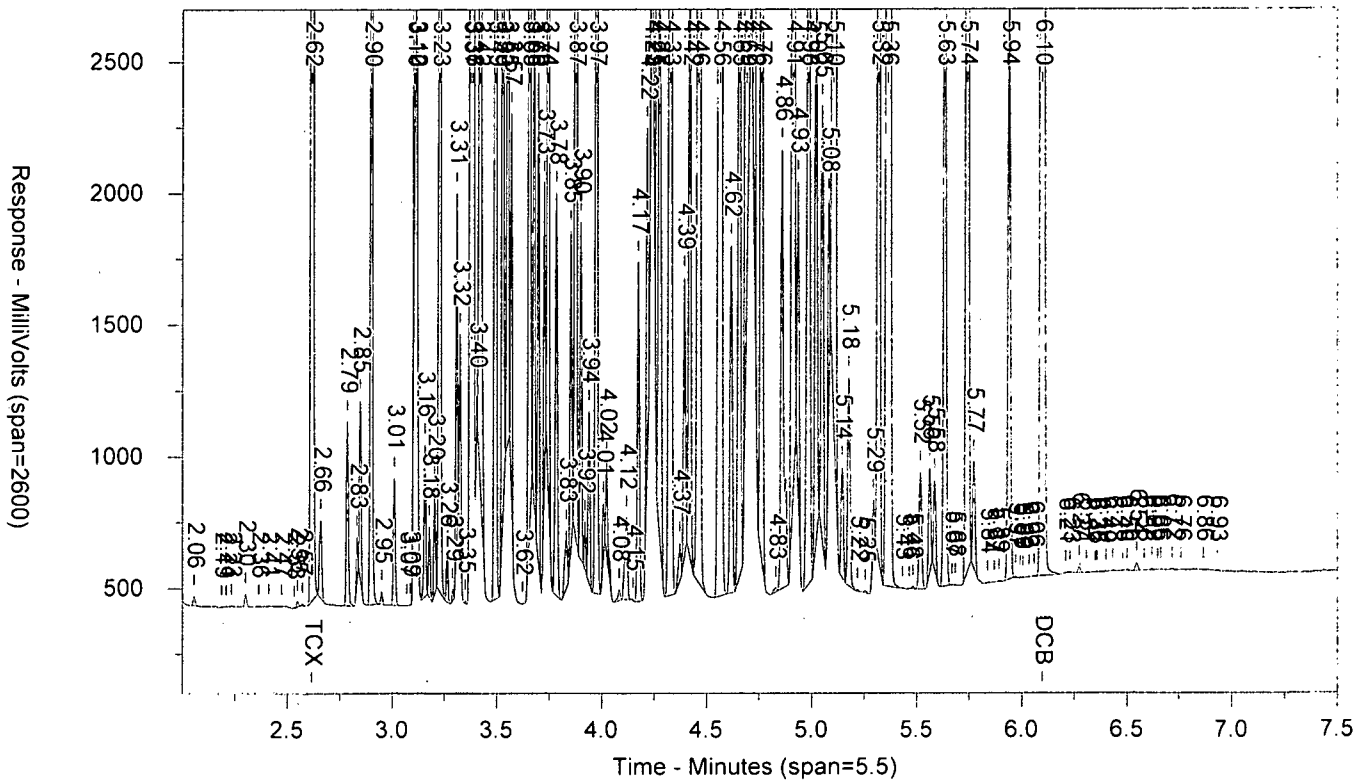

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:47:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	12152110	82.896	TCX	2.615	21546340	80.549	TCX
6.594	8997452	81.265	DCB	6.096	29665660	82.799	DCB

Files:
Area File: 25PCBs17289001.012.RAW
Area File: 25PCBs17289001B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 8:56:14 PM
File Reported On: 10/16/2017 at 8:56:23 PM

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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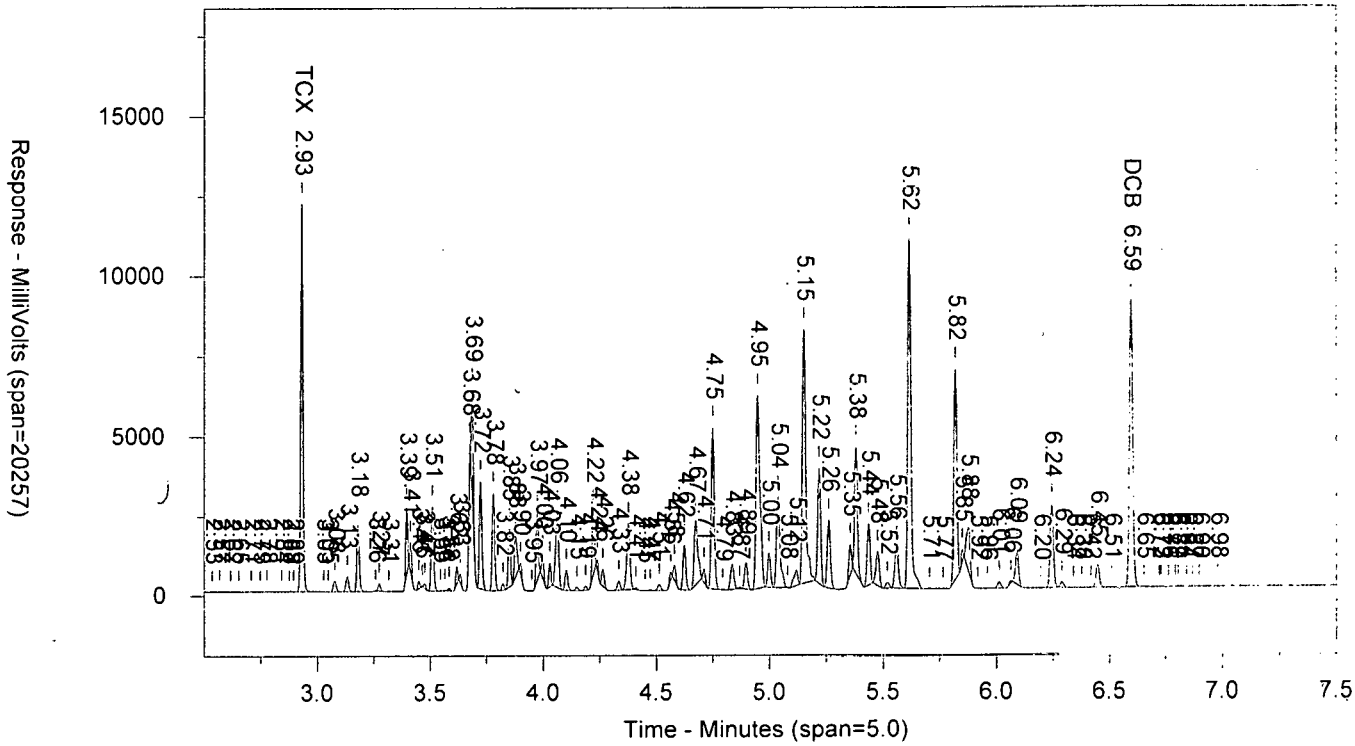

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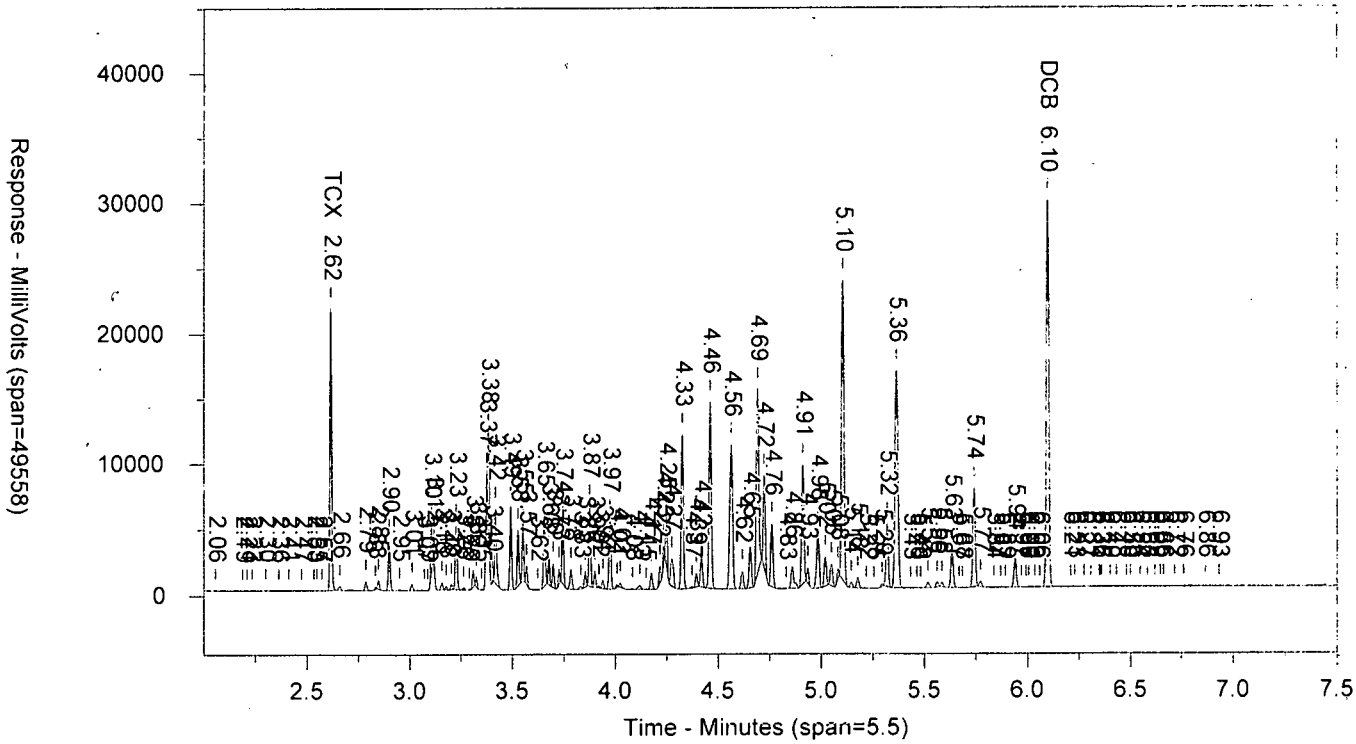

AR1661724A AAAR166AA ICAL 1728899999 10225 SW-846 8082

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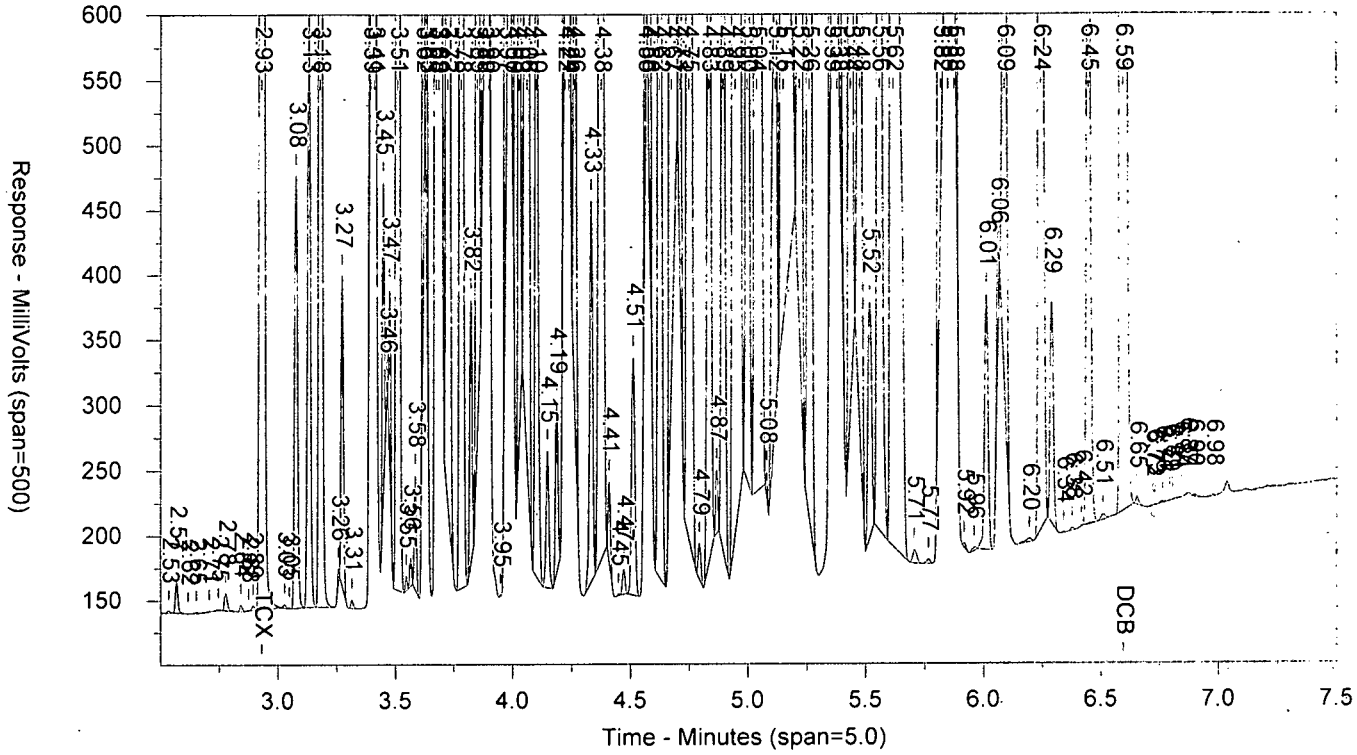

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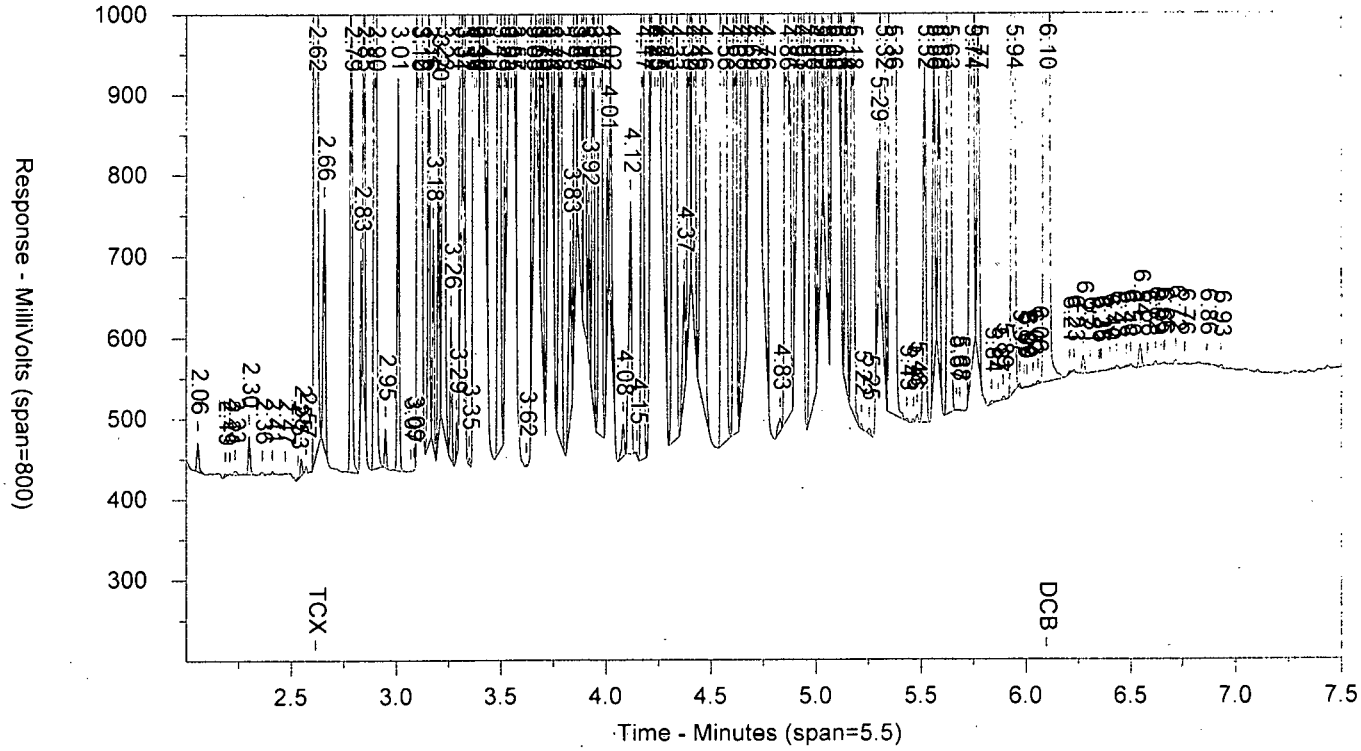


LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		9242	9231
2.082		18735	32313
2.231		1547	2462
2.331		11151	7977
2.366		2911	5093
2.491		7225	7769
2.534		501	236
2.59		3531	2405
2.65		798	686
2.694		348	418
2.714		512	273
2.748		998	1183
2.778		34502	35822
2.896		4921	4654
2.931	TCX	274543	189827
3.079		2615	3423
3.127		4446	4392
3.181		12376	8699
3.26		5142	6912
3.327		483	330
3.367		398	297
3.396		34550	21344
3.412		10243	5003
3.449		2429	1503
3.48		938	545
3.51		34228	28667
3.568		561	308
3.602		2390	1367
3.62		5652	2907
3.636		2140	923
3.678		29439	15978
3.689		31682	15068
3.726		42381	32460
3.782		47905	37071
3.824		6184	4256
3.852		83415	61263
3.879		50795	39558
3.901		13445	7523
3.929		2886	2238
3.975		93655	68560
3.998		24778	15543
4.029		31412	22571
4.063		75476	71637
4.102		25021	20766
4.148		1325	755
4.166		4897	3056
4.188		6650	4671
4.222		61194	42050
4.24		79068	49241
4.264		95094	74967
4.335		7351	6658
4.369		62532	50142
4.386		13032	8029
4.411		20927	15058

RT A	Compound A	Height A	Area A
4.45		1067	643
4.475		4275	3386
4.515		25292	23284
4.565		35130	30086
4.596		18414	14005
4.626		61383	53332
4.673		1577	1056
4.708		23034	21465
4.751		7004	8029
4.797		5658	5097
4.838		43276	41161
4.915		3753	5593
4.964		10718	20999
5.033		41238	41375
5.083		1590	1257
5.114		1761	2286
5.153		14301	13433
5.192		999	531
5.22		3053	2902
5.263		1936	2052
5.322		4988	6383
5.358		3824	2924
5.382		3651	2848
5.439		2167	2105
5.477		1589	1553
5.518		1258	1235
5.556		2595	2450
5.617		7352	6597
5.649		5252	6263
5.72		958	730
5.821		7321	7999
5.878		2344	3949
5.921		567	134
5.956		4537	6052
6.014		4711	5005
6.077		5453	7426
6.146		237	500
6.155		578	395
6.207		276	861
6.244		5805	7657
6.283		1534	1228
6.323		497	277
6.408		644	2004
6.428		675	726
6.447		3259	3226
6.51		4163	4846
6.599	DCB	252354	271502
6.685		545	498
6.698		758	269
6.778		1173	2960
6.797		623	306
6.833		447	961
6.878		3867	8059
6.931		710	528
6.952		651	256
6.988		239	720

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

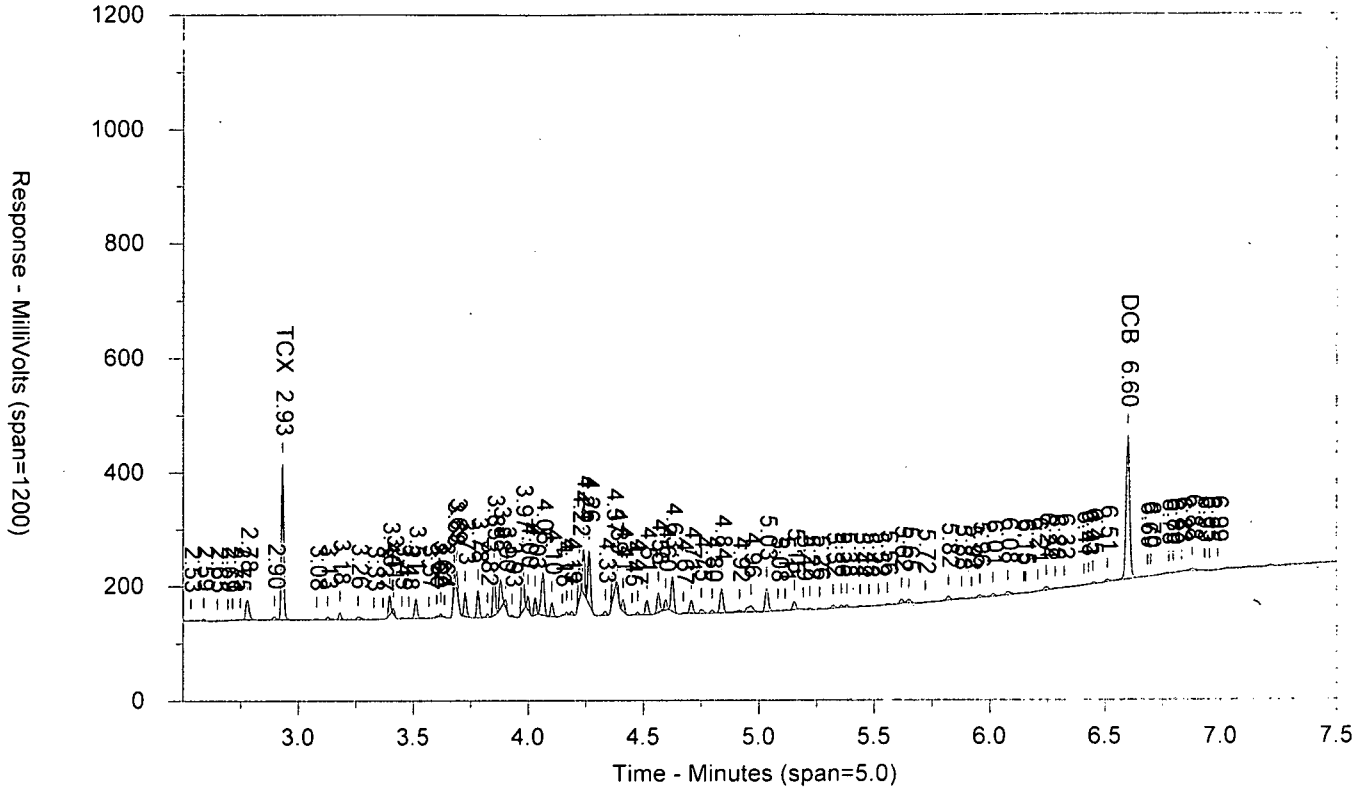
RT B	Compound B	Height B	Area B
2.157		11969	8538
2.201		1592	4534
2.237		3827	4440
2.359		2247	2506
2.472		3405	8544
2.531		5159	1813
2.548		70790	70747
2.615	TCX	490105	298108
2.715		2285	2887
2.786		4752	5695
2.833		9908	10232
2.898		24878	15616
2.983		1589	1372
3.009		5348	3557
3.07		1257	803
3.086		1051	342
3.105		64022	31439
3.115		8054	2449
3.139		755	132
3.157		6153	3504
3.181		4429	3612
3.203		2161	989
3.226		66496	43915
3.264		2484	1312
3.276		814	218
3.293		1059	270
3.309		16063	8337
3.325		7530	4057
3.351		2252	1218
3.375		66151	31688
3.384		72326	30333
3.404		16139	6577
3.418		72073	41869
3.449		1411	543
3.465		635	94
3.471		548	109
3.493		104593	67031
3.528		186943	113420
3.551		162518	92800
3.569		55721	28167
3.592		1150	224
3.635		1057	1429
3.655		220775	143380
3.677		73609	39049
3.698		72283	43542
3.727		32858	16767
3.744		156565	93654
3.785		61703	42355
3.832		11334	10222
3.854		124013	77978
3.877		285148	185450
3.901		198806	123842
3.92		16358	7810
3.941		28580	19201

RT B	Compound B	Height B	Area B
3.975		90350	61666
4.009		129395	86591
4.023		9488	2586
4.037		71926	39743
4.084		13876	14534
4.119		55423	41907
4.151		2581	2773
4.175		87097	67215
4.208		54190	35643
4.235		135683	104031
4.272		3248	2735
4.328		59225	57472
4.364		13173	10414
4.396		83593	59878
4.42		5034	2565
4.463		15217	10418
4.488		6561	4517
4.562		18312	18890
4.613		82461	63605
4.653		4651	4834
4.692		21369	18808
4.724		4373	4038
4.761		3741	3072
4.809		1465	578
4.836		1320	1236
4.884		837	1673
4.91		7720	5530
4.935		7905	6034
4.965		1761	1077
5.023		2782	4480
5.051		2527	2101
5.084		2797	1985
5.104		14282	11828
5.176		5296	4724
5.232		890	636
5.252		2224	2808
5.317		5929	10604
5.365		12408	13673
5.41		959	350
5.517		13034	23771
5.586		13250	17673
5.635		5517	6023
5.667		963	198
5.7		1062	1666
5.741		7391	9462
5.803		1593	590
5.883		562	8888
5.911		896	313
5.941		10161	9536
6.005		3962	4071
6.054		2295	2153
6.098	DCB	773056	681331
6.153		2970	4560
6.216		7170	14310
6.282		2325	2119
6.313		1213	857
6.344		1036	423
6.368		1039	255
6.402		2396	2306
6.431		1335	432
6.477		1828	1873
6.512		2123	3096
6.549		2284	2416
6.579		1484	915
6.666		1838	2354
6.759		1604	3058

RT B	Compound B	Height B	Area B
6.83		1106	903
6.86		1283	6648

AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.013.RAW



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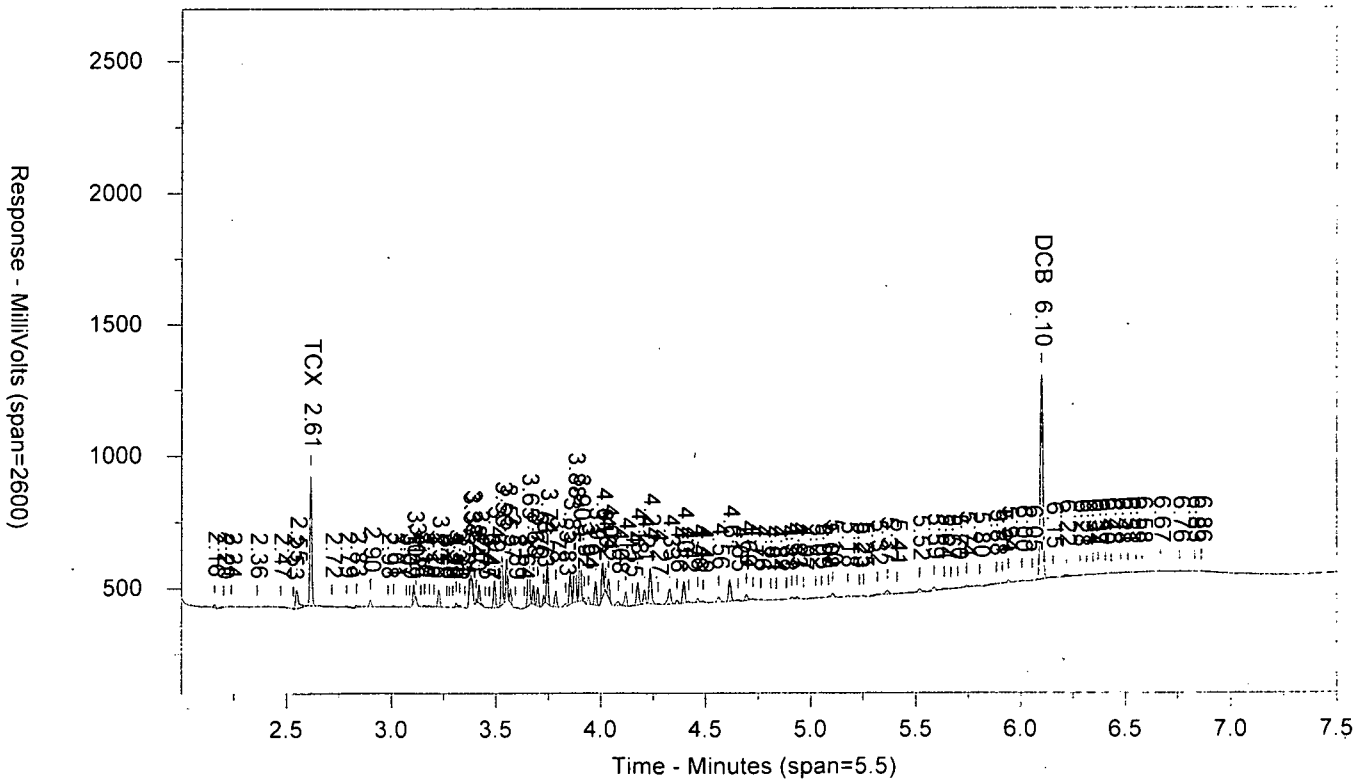

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 8:59:09 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	274543	1.872	TCX	2.615	490105	1.842	TCX
6.599	252354	2.209	DCB	6.098	773056	2.088	DCB

Files:
Area File: 25PCBs17289001.013.RAW
Area File: 25PCBs17289001B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:07:40 PM
File Reported On: 10/16/2017 at 9:07:51 PM

AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

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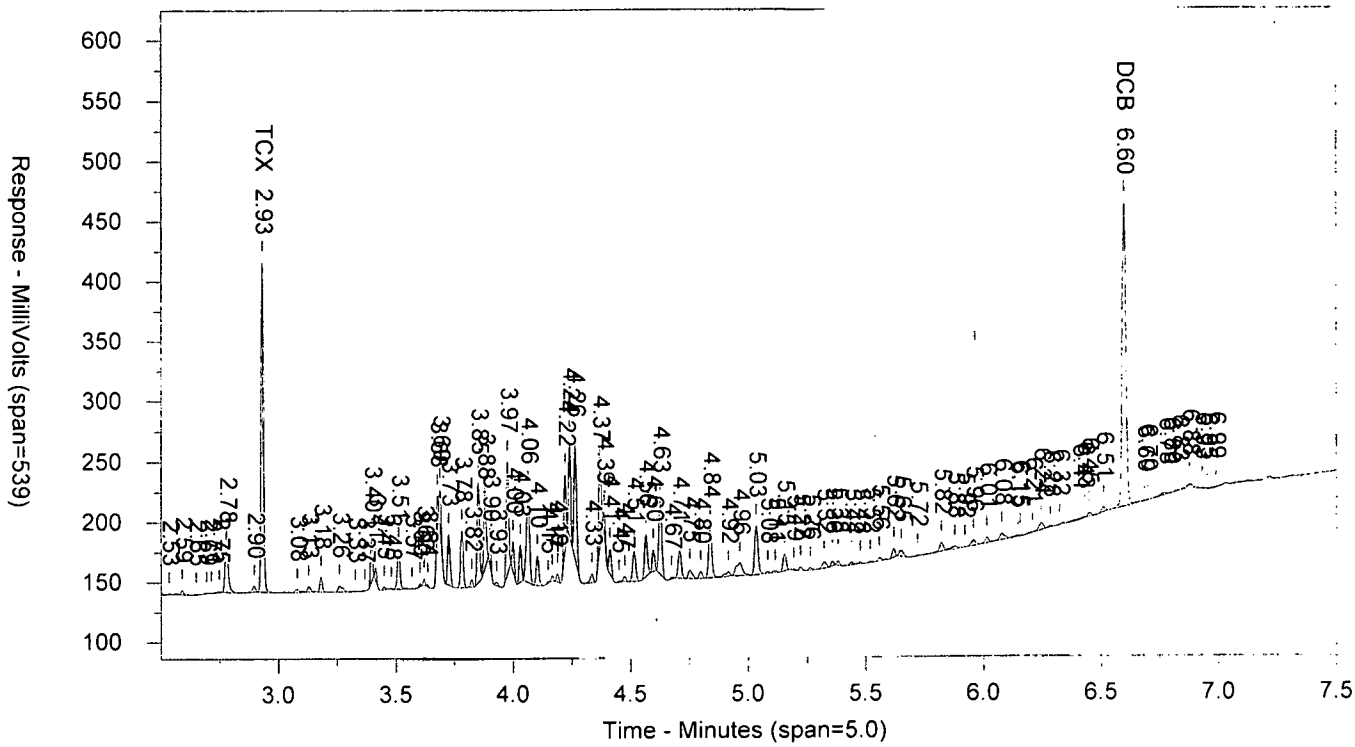

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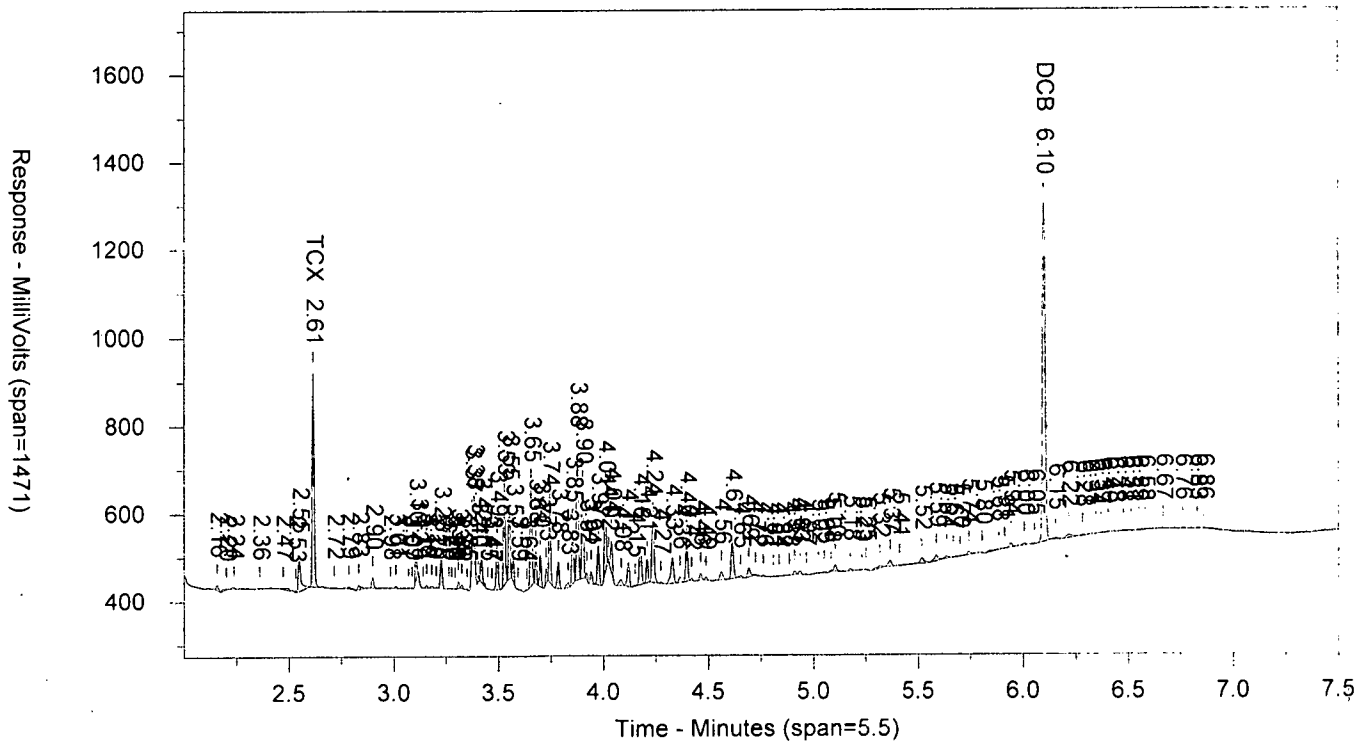

AR4811724C AAAR481AA ICAL 1728899999 10225 SW-846 8082

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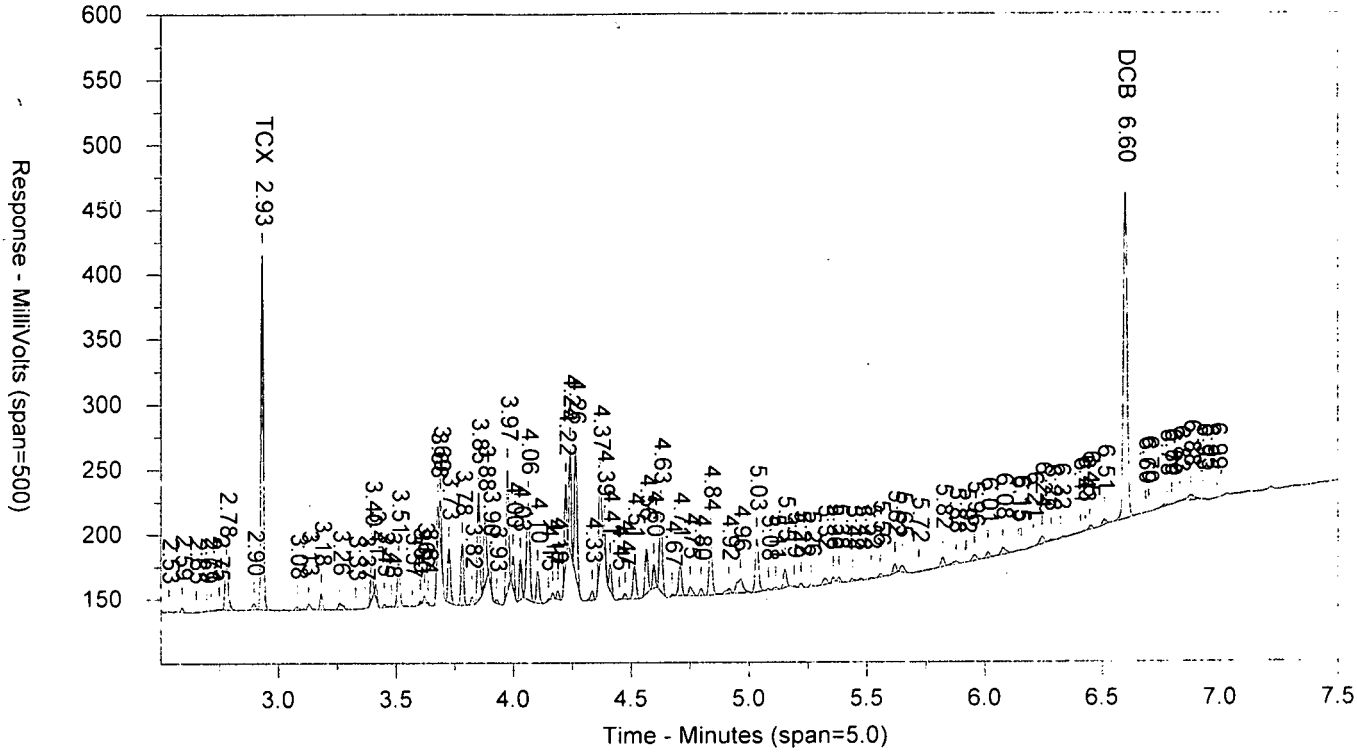

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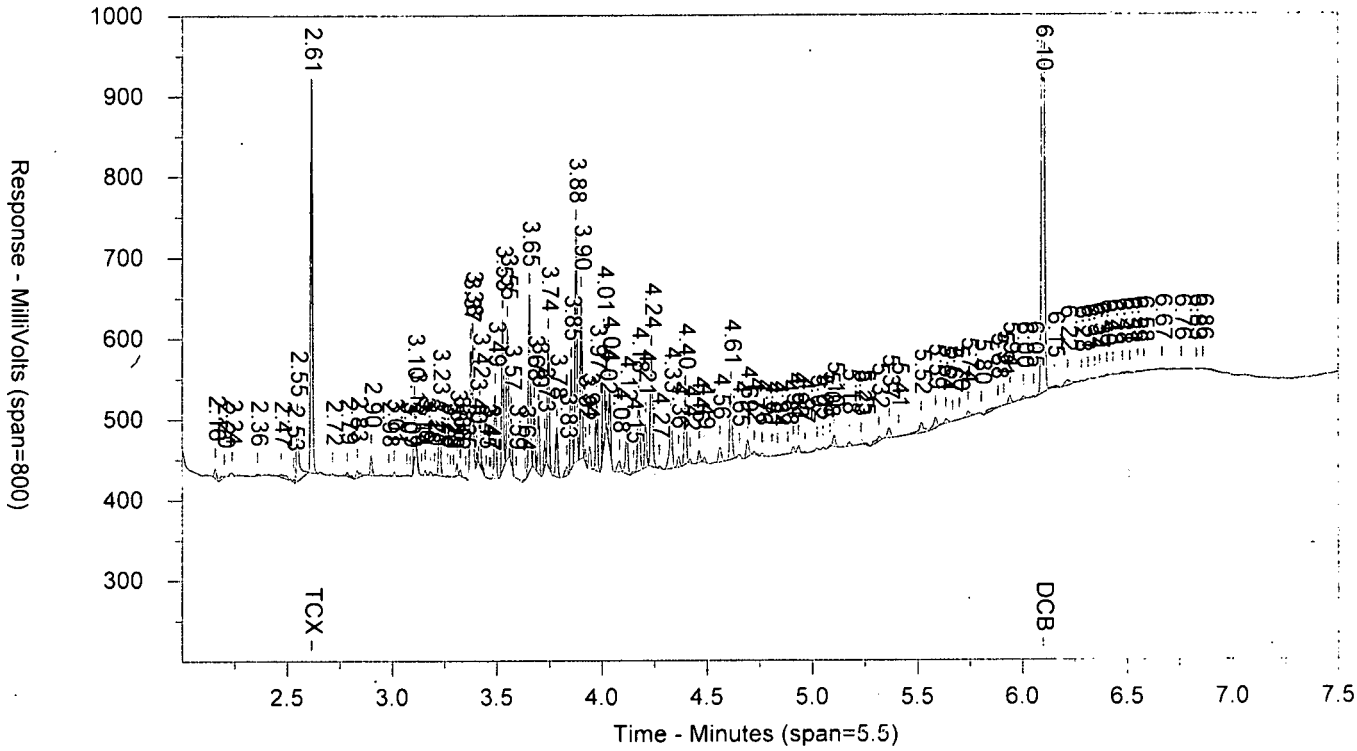

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 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: 25PCBs17289001.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.01		459	162
2.036		10428	10719
2.087		7417	14276
2.231		3241	3637
2.298		476	443
2.33		70211	48854
2.367		2606	2395
2.49		8406	10894
2.535		5031	4427
2.569		590	356
2.607		1370	858
2.659		1371	1424
2.711		565	632
2.743		1429	2174
2.778		12060	10640
2.85		683	431
2.877		599	413
2.894		4626	3737
2.931	TCX	596438	413126
3.019		3175	2616
3.078		4049	4593
3.128		9275	8438
3.18		24132	17355
3.261		2731	1907
3.272		2568	1299
3.339		524	602
3.366		336	235
3.396		69720	42940
3.413		19177	9873
3.449		4894	2796
3.477		1365	698
3.511		68387	53940
3.568		1369	685
3.586		635	254
3.602		1965	977
3.62		11498	6233
3.634		3147	1587
3.678		59708	31879
3.689		60873	30323
3.725		85760	64791
3.782		96540	74293
3.824		12621	8931
3.852		156075	118265
3.879		98798	78902
3.901		29042	15107
3.929		3001	2280
3.975		178297	133515
3.998		50903	32468
4.03		63387	44444
4.063		151610	141525
4.102		50190	40714
4.149		2571	1673
4.167		4244	2446
4.189		14646	10510

RT A	Compound A	Height A	Area A
4.221		113733	79853
4.241		145614	92769
4.264		172861	137657
4.335		14853	13639
4.368		163533	251674
4.411		44485	30795
4.452		2000	1468
4.473		9143	6776
4.515		49193	44208
4.564		72798	61658
4.596		37866	28476
4.625		116865	105785
4.676		2022	1417
4.708		44617	41946
4.752		11133	13317
4.796		10964	10472
4.837		82674	78927
4.916		7138	9658
4.95		2565	1937
4.963		6353	5236
5.033		79299	79921
5.082		2051	1634
5.111		2582	3557
5.153		21631	19227
5.175		1017	448
5.19		1351	943
5.22		3459	3220
5.26		2060	1920
5.323		5745	7091
5.359		6547	5188
5.381		3626	2551
5.44		2039	1844
5.474		975	743
5.517		1598	1807
5.558		3694	3409
5.581		469	344
5.617		7610	6675
5.646		5599	7249
5.726		421	518
5.767		605	614
5.822		6904	6766
5.877		2614	3942
5.957		4999	7459
6.013		5807	5666
6.048		444	195
6.078		5601	7400
6.154		569	1049
6.173		283	170
6.244		6868	9115
6.279		1318	1237
6.337		188	657
6.366		435	447
6.43		575	127
6.45		5977	6480
6.509		5230	7471
6.599	DCB	490149	535119
6.67		577	379
6.771		2193	3681
6.821		807	247
6.883		4052	7247
6.909		924	1369
6.982		357	173
6.99		541	152

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 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: 25PCBs17289001B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.119		14975	39608
2.156		13770	10902
2.206		6158	9507
2.235		7775	7147
2.323		3140	2246
2.362		2766	2909
2.411		2924	3242
2.47		1620	1348
2.534		5680	6654
2.547		21914	19781
2.615	TCX	1047327	629970
2.703		9069	8749
2.785		9012	9626
2.832		19240	22344
2.899		47125	28680
2.948		2983	2206
2.987		1672	1141
3.01		11363	7110
3.064		548	95
3.069		642	98
3.076		1038	270
3.105		113846	58147
3.116		16304	6150
3.157		11575	6609
3.181		5536	3588
3.203		4090	2496
3.227		128998	85862
3.264		3831	2106
3.282		529	131
3.292		3408	1370
3.31		28893	15321
3.326		13339	6790
3.351		4265	2523
3.375		130719	63623
3.385		149494	58964
3.405		29235	11940
3.419		132752	77649
3.451		1655	490
3.493		204864	126325
3.528		345423	215363
3.551		316568	176005
3.569		111384	55497
3.633		1250	1706
3.655		421718	272269
3.678		138306	75878
3.698		145514	85513
3.727		63567	32858
3.744		304793	179871
3.784		122698	82735
3.833		22372	18879
3.854		243793	149183
3.877		557245	354452
3.901		389400	241546
3.921		33933	15739

RT B	Compound B	Height B	Area B
3.941		45218	28356
3.975		176678	119966
4.009		276124	222409
4.037		142366	77510
4.083		25061	22087
4.119		105226	77328
4.147		2510	1979
4.176		169613	129422
4.208		102451	70326
4.236		264554	194861
4.275		4511	4271
4.328		108841	102543
4.364		25638	17885
4.396		154981	116471
4.419		5650	3356
4.463		23622	15414
4.488		11732	8644
4.561		27902	27777
4.613		150407	123191
4.653		6371	5647
4.692		38020	32664
4.724		3471	1651
4.738		2815	1430
4.762		5006	3806
4.814		916	586
4.837		850	551
4.863		1277	792
4.879		1713	1175
4.912		7561	5751
4.937		14368	13668
5.02		3250	4460
5.055		2667	2601
5.083		5694	3707
5.105		15371	12502
5.145		985	597
5.178		5586	5310
5.208		1140	790
5.255		3799	6004
5.319		7790	13686
5.363		13356	14168
5.428		812	577
5.445		779	299
5.484		589	1481
5.519		14859	17771
5.586		14327	17410
5.637		5696	5857
5.696		834	1419
5.742		8179	8693
5.797		3125	4474
5.846		661	2751
5.873		1104	1425
5.939		17249	15649
6.005		3664	4084
6.052		3455	2728
6.097	DCB	1586564	1346168
6.168		4373	4466
6.215		4739	5229
6.273		965	480
6.31		2801	2372
6.357		1130	706
6.399		2119	2745
6.439		1163	1457
6.483		1778	1075
6.51		2107	1805
6.546		2420	2276
6.58		1021	546

RT B	Compound B	Height B	Area B
6.624		996	1090
6.665		1605	2699
6.73		1596	1149
6.766		1973	1662
6.808		1304	547
6.869		1533	1028
6.914		1500	2322

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

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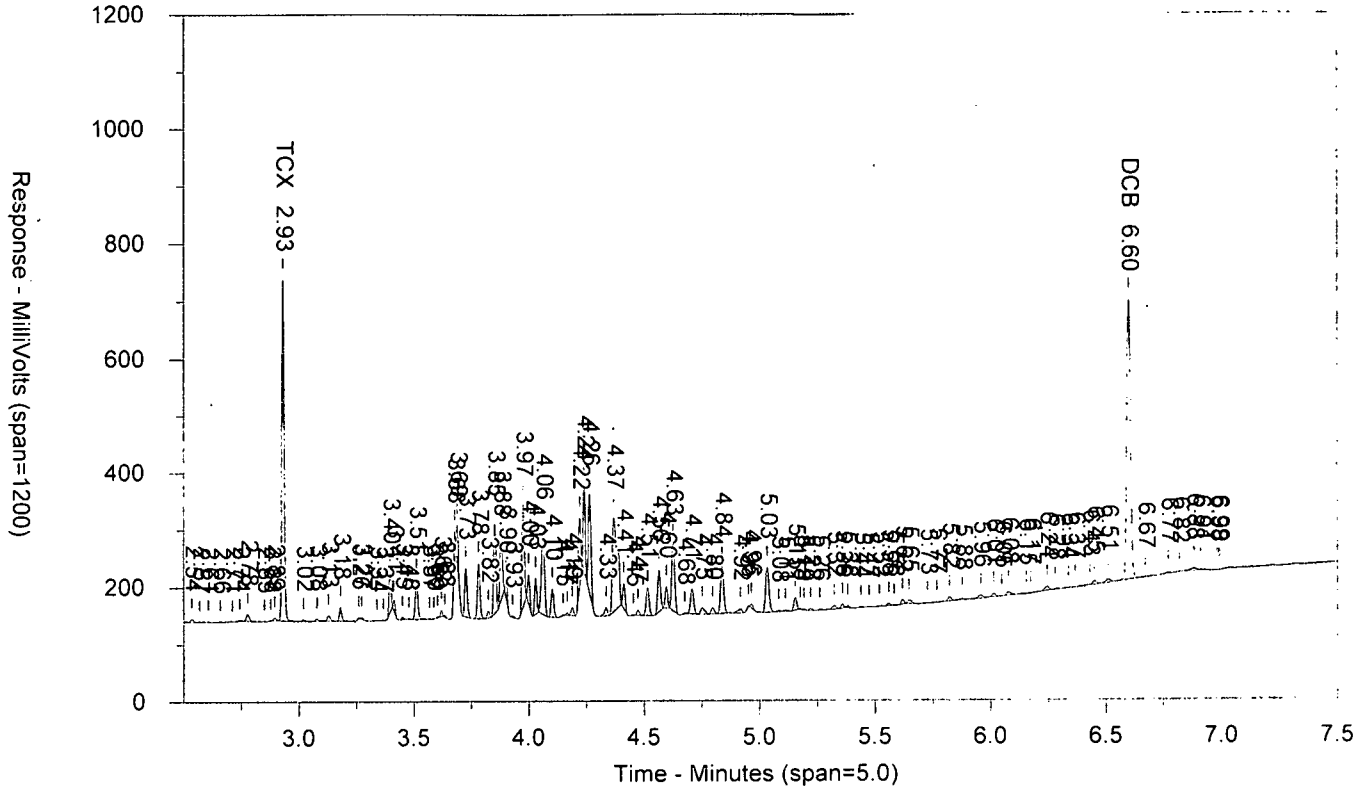

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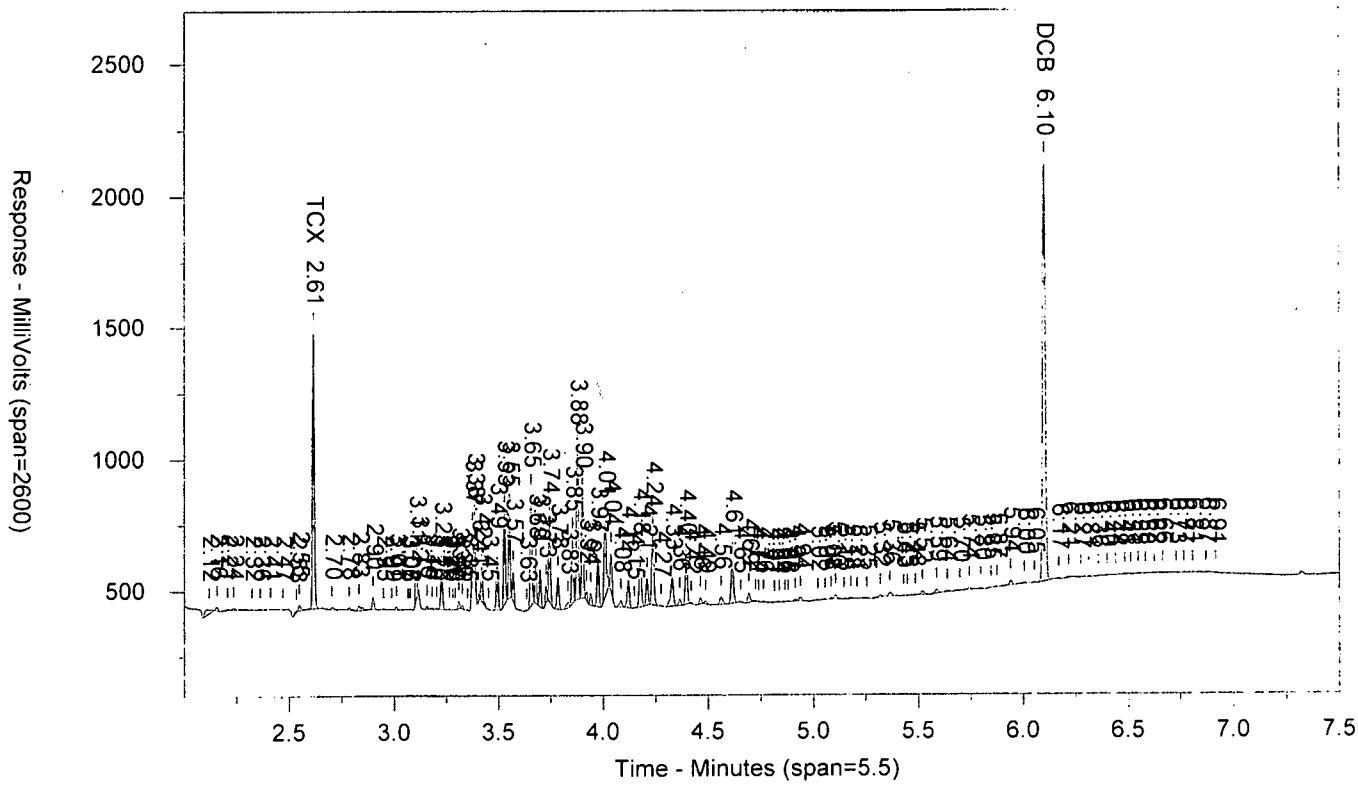

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:10:27 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	596438	4.066	TCX	2.615	1047327	3.936	TCX
6.599	490149	4.29	DCB	6.097	1586564	4.285	DCB

Files:
Area File: 25PCBs17289001.014.RAW
Area File: 25PCBs17289001B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:18:58 PM
File Reported On: 10/16/2017 at 9:19:11 PM

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

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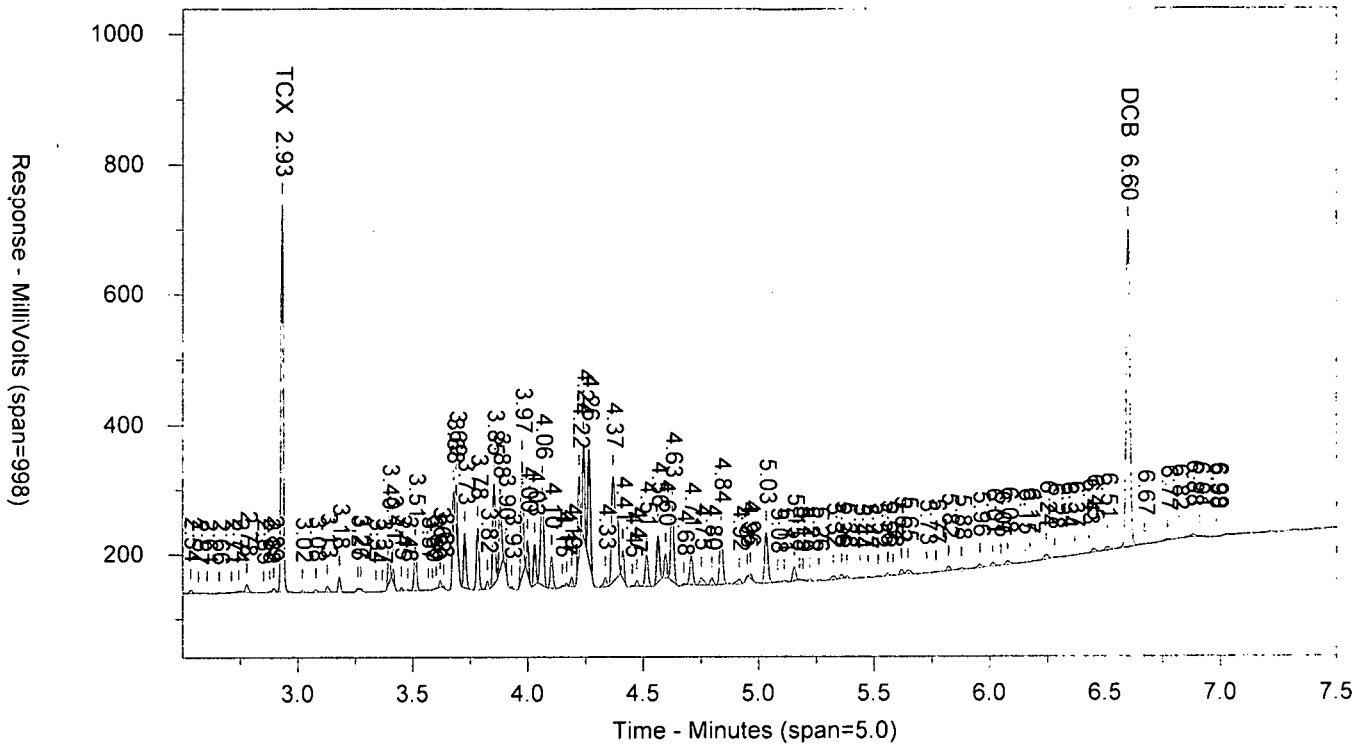

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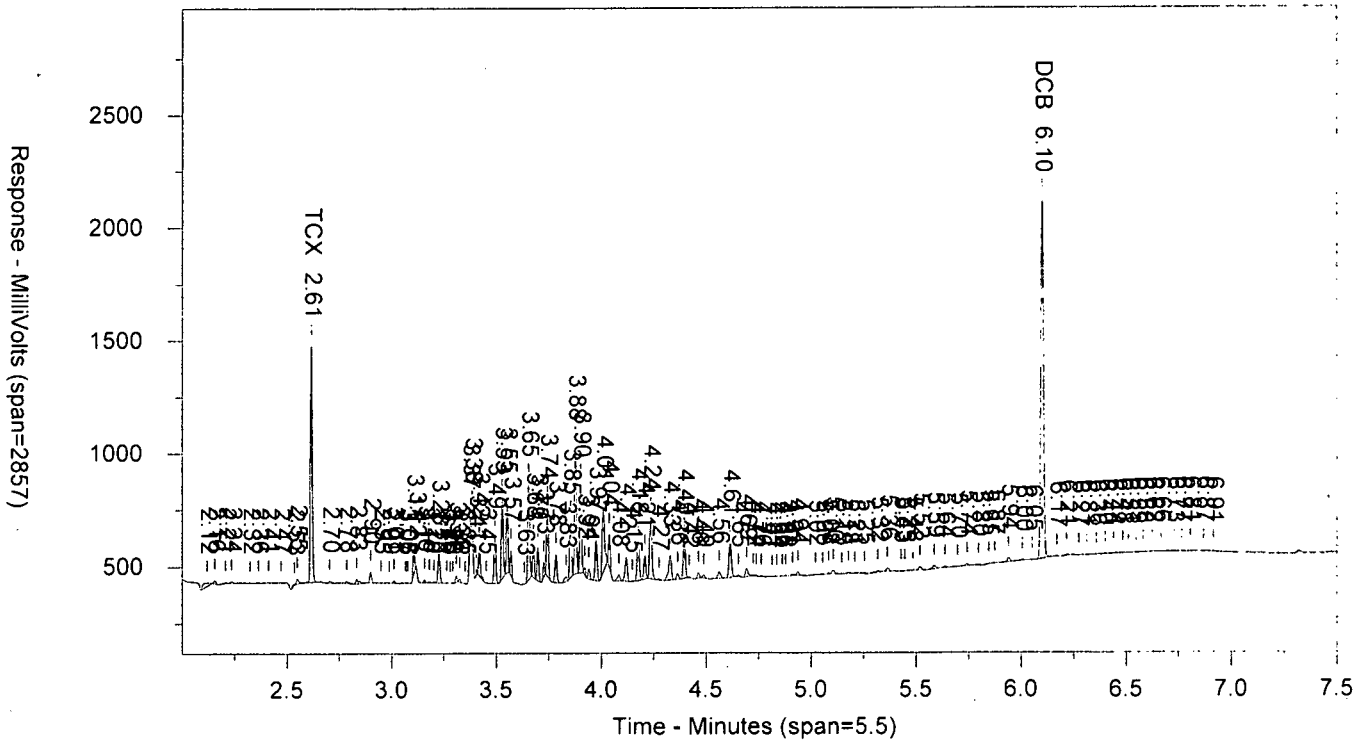

AR4821724C AAAR482AA ICAL 1728899999 10225 SW-846 8082

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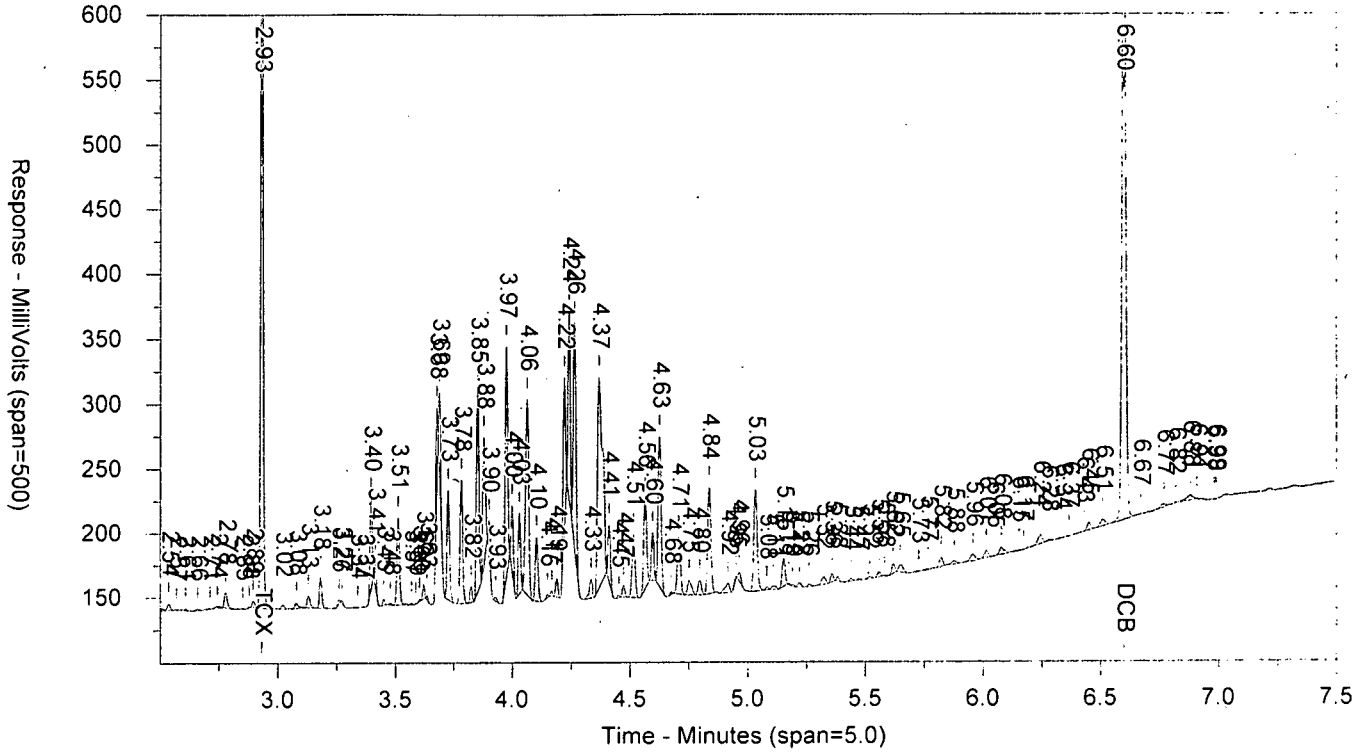

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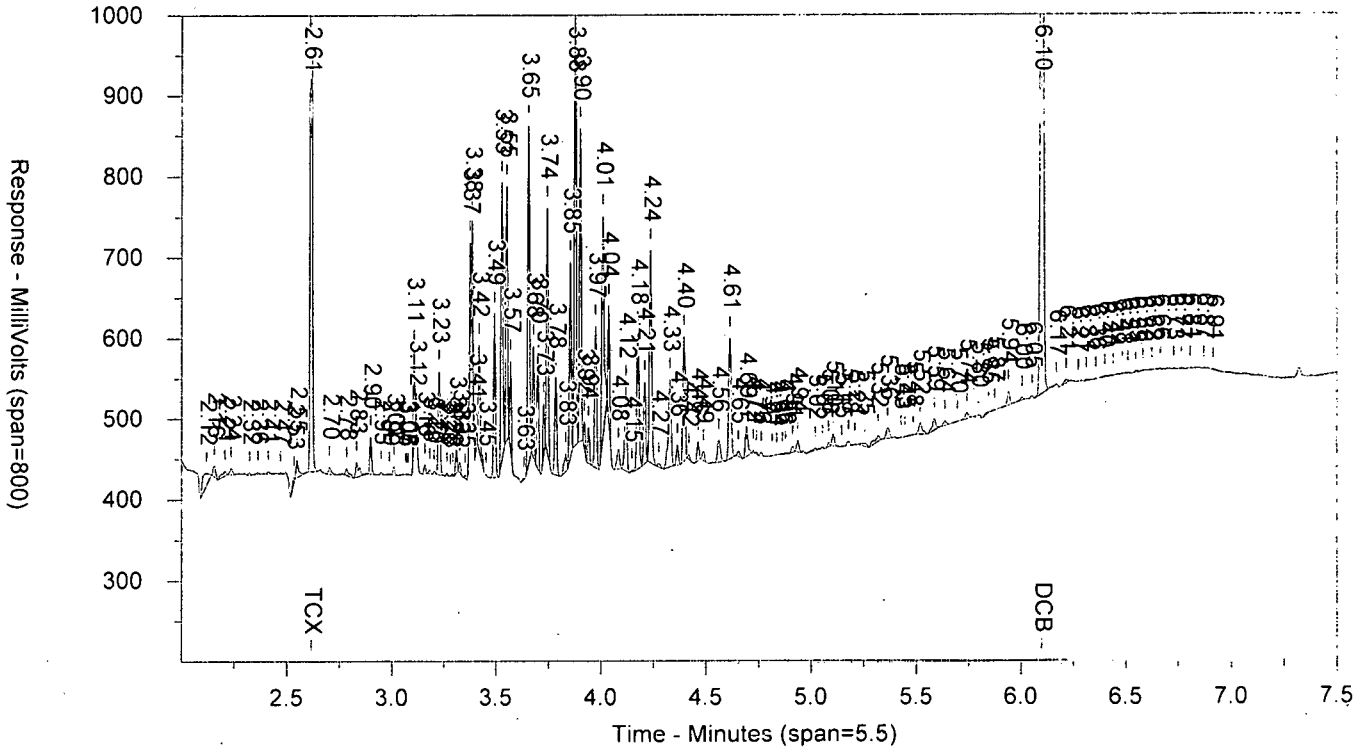

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.012		341	249
2.036		11504	11632
2.083		12707	27877
2.165		1564	1517
2.231		12815	10689
2.3		428	195
2.33		16662	14239
2.368		2292	2266
2.49		8450	9047
2.532		827	732
2.568		1066	820
2.59		7124	4812
2.652		838	767
2.75		1051	1873
2.778		23178	22152
2.839		599	567
2.895		5921	4967
2.93	TCX	2886424	1968796
3.029		1017	829
3.078		7752	7215
3.127		37123	29486
3.18		44360	32453
3.258		7252	4159
3.273		5709	3068
3.325		510	580
3.396		130765	82539
3.413		37889	18861
3.45		9787	5824
3.465		747	244
3.476		2256	1281
3.511		129552	102728
3.568		6512	3944
3.586		1276	586
3.603		1769	891
3.62		23753	13482
3.635		5967	2873
3.678		105853	61202
3.689		115676	59093
3.726		159661	125562
3.782		182079	142026
3.824		25158	17775
3.852		294444	218586
3.879		178002	144422
3.901		52873	29386
3.927		2578	2022
3.975		337334	246332
3.998		92054	59743
4.03		115920	85351
4.063		277860	266735
4.103		99620	80016
4.15		6866	5218
4.165		2148	1136
4.189		29053	21437
4.222		215160	149533

RT A	Compound A	Height A	Area A
4.241		281014	180075
4.264		326585	255776
4.335		29030	26671
4.369		213368	177836
4.386		52154	32097
4.411		81318	57355
4.452		4337	2779
4.473		17336	13176
4.515		95052	87117
4.566		135801	118778
4.597		76485	58045
4.626		224089	202308
4.676		4140	2976
4.709		85600	83148
4.752		21608	25493
4.798		22259	20405
4.838		159655	151798
4.872		2659	1885
4.917		14339	18538
4.951		6641	5247
4.963		7255	5765
4.997		1250	973
5.034		157056	156119
5.083		3958	2862
5.112		8356	9486
5.154		40381	36674
5.175		1643	804
5.194		2504	1465
5.221		6613	5973
5.262		3423	3356
5.323		6527	7896
5.359		13222	10719
5.383		5389	4133
5.438		3328	2900
5.474		1883	2260
5.517		5740	5735
5.557		7217	6682
5.583		1159	742
5.619		12455	10445
5.644		12793	13432
5.722		416	437
5.76		531	567
5.779		414	96
5.822		12197	11861
5.852		629	285
5.878		4181	5040
5.957		5747	7865
6.014		26916	26790
6.077		27053	33093
6.145		457	128
6.181		540	365
6.215		533	187
6.247		10194	11888
6.285		839	791
6.321		678	638
6.361		505	394
6.386		796	1008
6.451		25193	26627
6.509		5940	7123
6.599	DCB	2140506	2300923
6.685		762	420
6.736		638	806
6.771		2722	4153
6.801		620	176
6.837		767	1354
6.878		4220	11290

RT A	Compound A	Height A	Area A
6.967		412	208

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		9885	7344
2.158		21334	14326
2.194		5027	8194
2.234		4414	5059
2.296		1593	1718
2.355		2758	2592
2.471		10318	40652
2.533		5997	4697
2.548		42919	40775
2.615	TCX	5065653	3010951
2.659		5586	2715
2.714		2854	4021
2.785		19149	17720
2.832		72718	59938
2.898		90425	55996
2.948		13269	8320
3.01		19313	12357
3.067		949	265
3.077		786	126
3.105		208438	105867
3.116		35587	12855
3.157		22993	13011
3.179		8303	6082
3.203		7905	4358
3.227		234342	160825
3.264		6757	4097
3.291		14581	7389
3.31		57314	29703
3.325		21468	10608
3.353		3614	2070
3.375		257472	118542
3.385		264148	110578
3.405		56490	22883
3.418		245360	148771
3.467		706	169
3.493		371818	238296
3.528		640653	394894
3.551		580176	322594
3.569		190551	99338
3.632		2513	1647
3.655		800185	513080
3.677		263992	141952
3.699		271460	161016
3.727		120746	63080
3.744		580919	345227
3.785		220396	156721
3.833		43369	37492
3.854		448424	281554
3.877		1044414	673071
3.902		761856	463870
3.921		62513	28003
3.941		74760	44340
3.975		332265	227588
4.01		528698	418313

RT B	Compound B	Height B	Area B
4.038		280747	155028
4.084		45039	35832
4.119		195373	145904
4.152		3011	2725
4.176		319733	247748
4.209		191316	133564
4.236		492429	370418
4.274		9884	9039
4.329		205705	195412
4.364		48367	36433
4.396		306931	228913
4.42		8631	4612
4.438		3284	1330
4.463		44538	28553
4.488		24747	17359
4.562		51032	50245
4.614		297296	242644
4.655		15793	18524
4.693		74621	62748
4.725		6168	2681
4.74		5582	2490
4.762		6919	4966
4.861		2013	1327
4.883		2614	1786
4.912		13285	9850
4.936		25277	20054
4.96		1214	749
4.989		2083	1537
5.023		3196	2579
5.056		10207	8681
5.083		10107	6415
5.105		26767	21395
5.177		24689	20998
5.231		1618	1410
5.319		15368	21573
5.366		24404	25422
5.438		1039	773
5.474		1725	2278
5.518		61153	58091
5.587		59539	57692
5.636		15263	13099
5.673		1051	744
5.704		972	1253
5.742		15888	13215
5.8		3926	5838
5.841		1650	2487
5.87		1339	1436
5.892		1475	797
5.94		67040	58572
5.973		2064	1727
6.003		2420	1675
6.039		260	508
6.057		1945	1712
6.099	DCB	6955366	6025934
6.216		6815	12987
6.277		916	171
6.313		2507	1878
6.338		1137	302
6.375		923	1143
6.402		2126	1985
6.435		1764	1831
6.518		2010	3228
6.549		7906	9851
6.636		824	350
6.659		1185	568
6.724		2139	2289

RT B	Compound B	Height B	Area B
6.764		1586	1208
6.784		1126	610
6.809		1401	571
6.831		1498	282
6.868		1068	457

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

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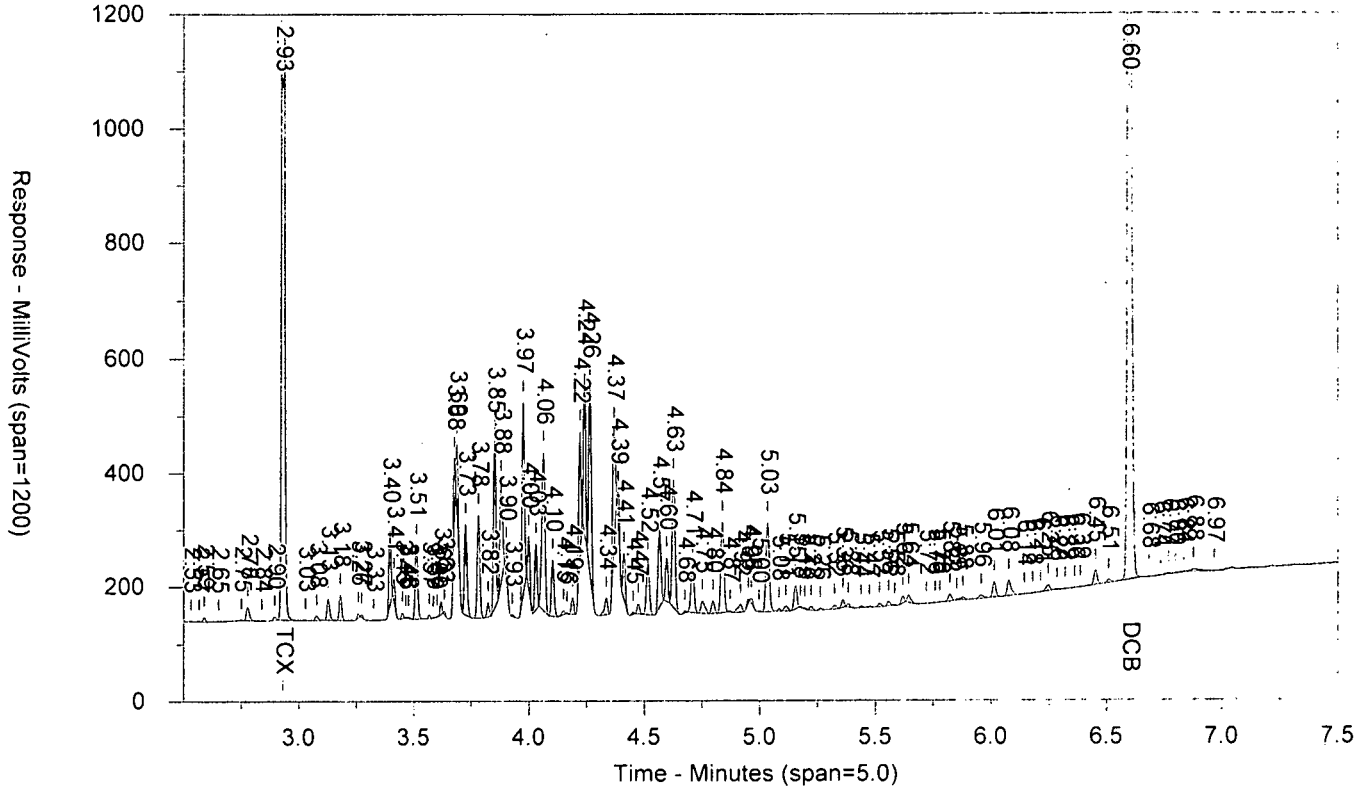

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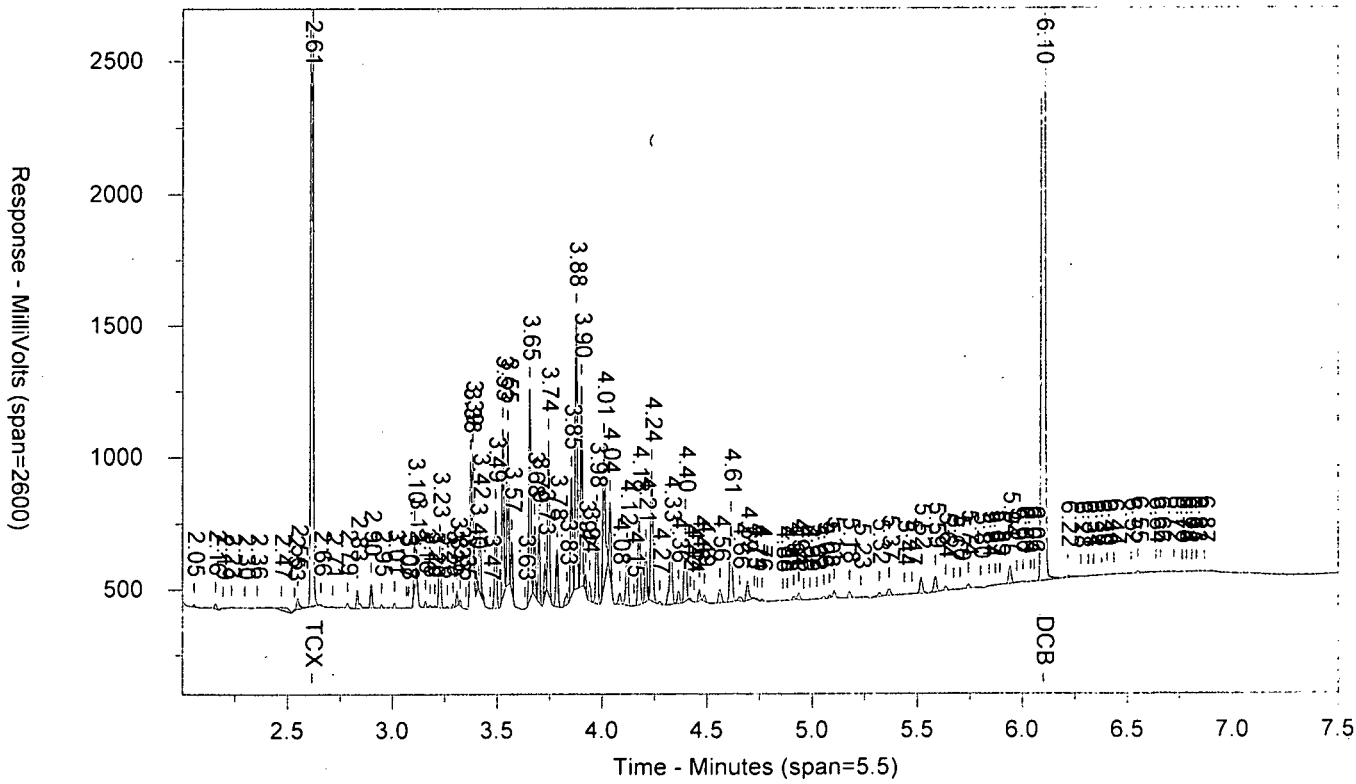

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:21:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	2886424	19.678	TCX	2.615	5065653	19.04	TCX
6.599	2140506	18.735	DCB	6.099	6955366	18.787	DCB

Files:
Area File: 25PCBs17289001.015.RAW
Area File: 25PCBs17289001B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:30:16 PM
File Reported On: 10/16/2017 at 9:30:29 PM

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

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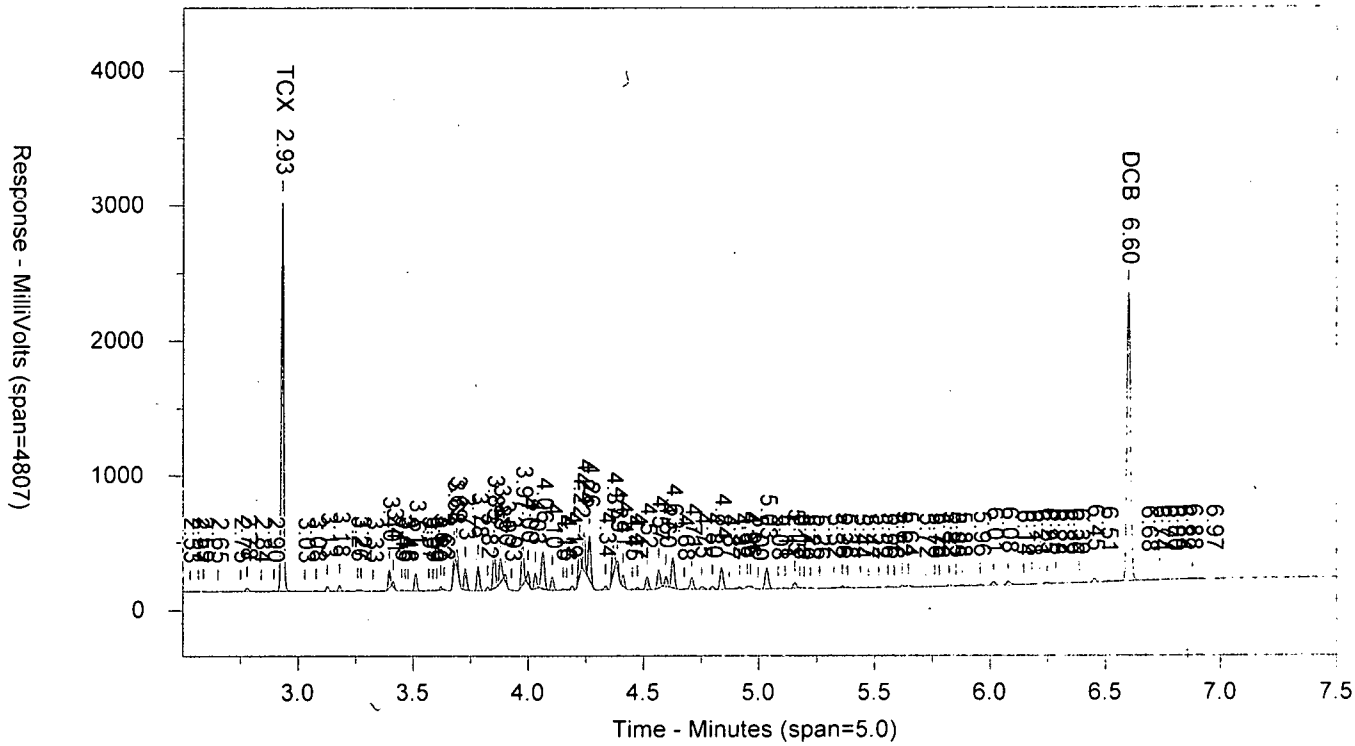

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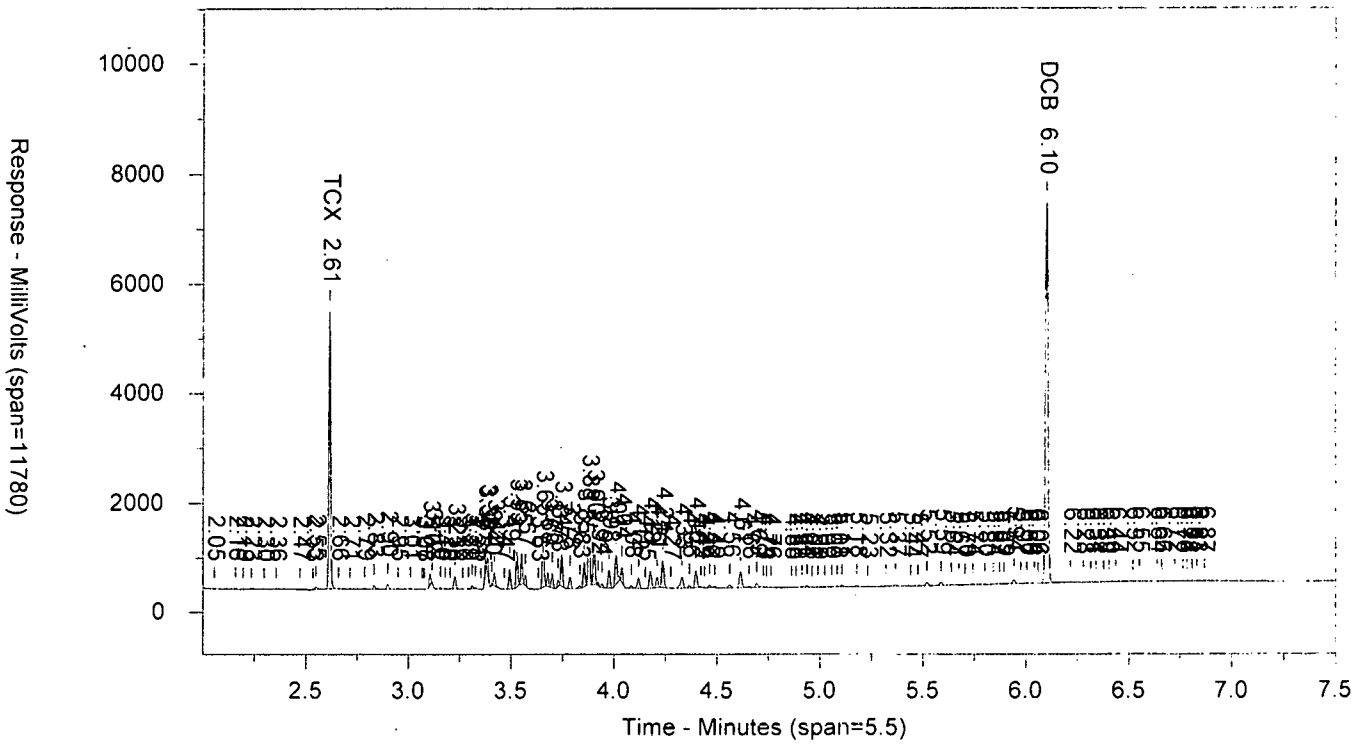

AR4831724C AAAR483AA ICAL 1728899999 10225 SW-846 8082

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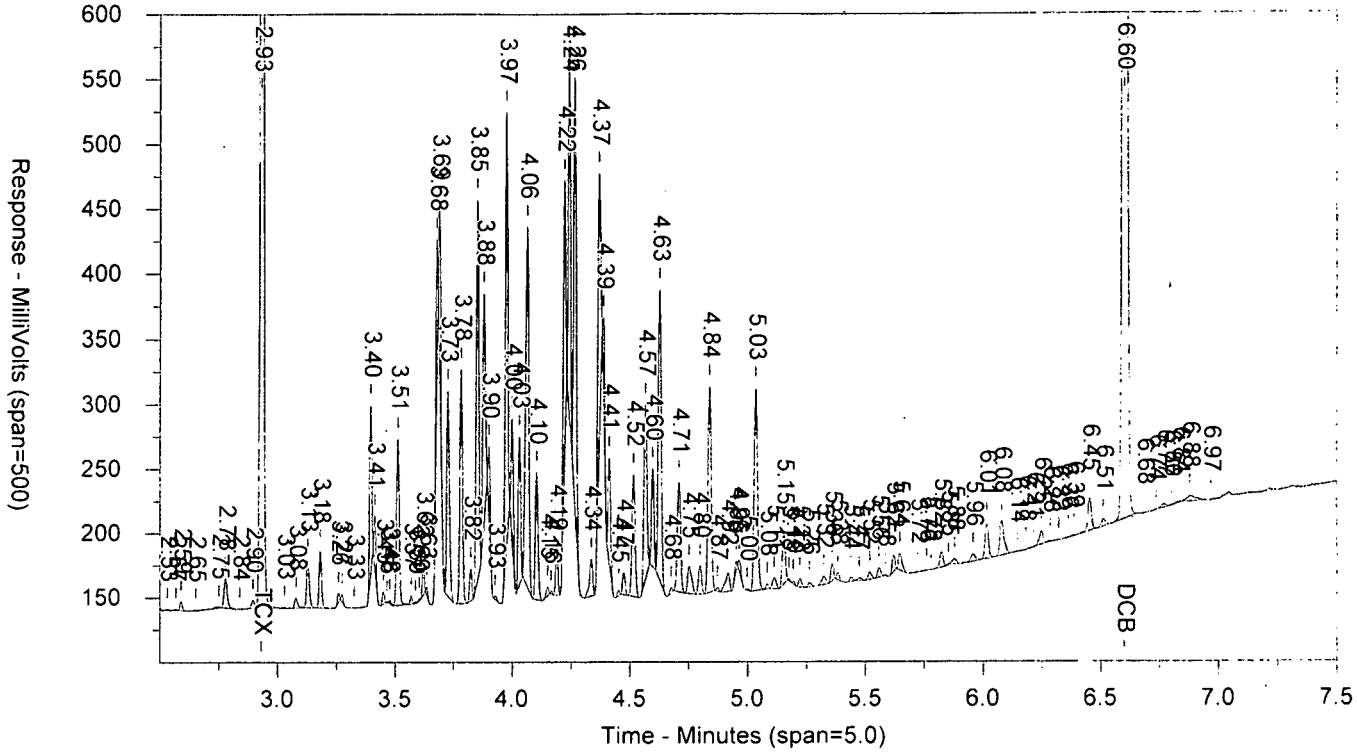

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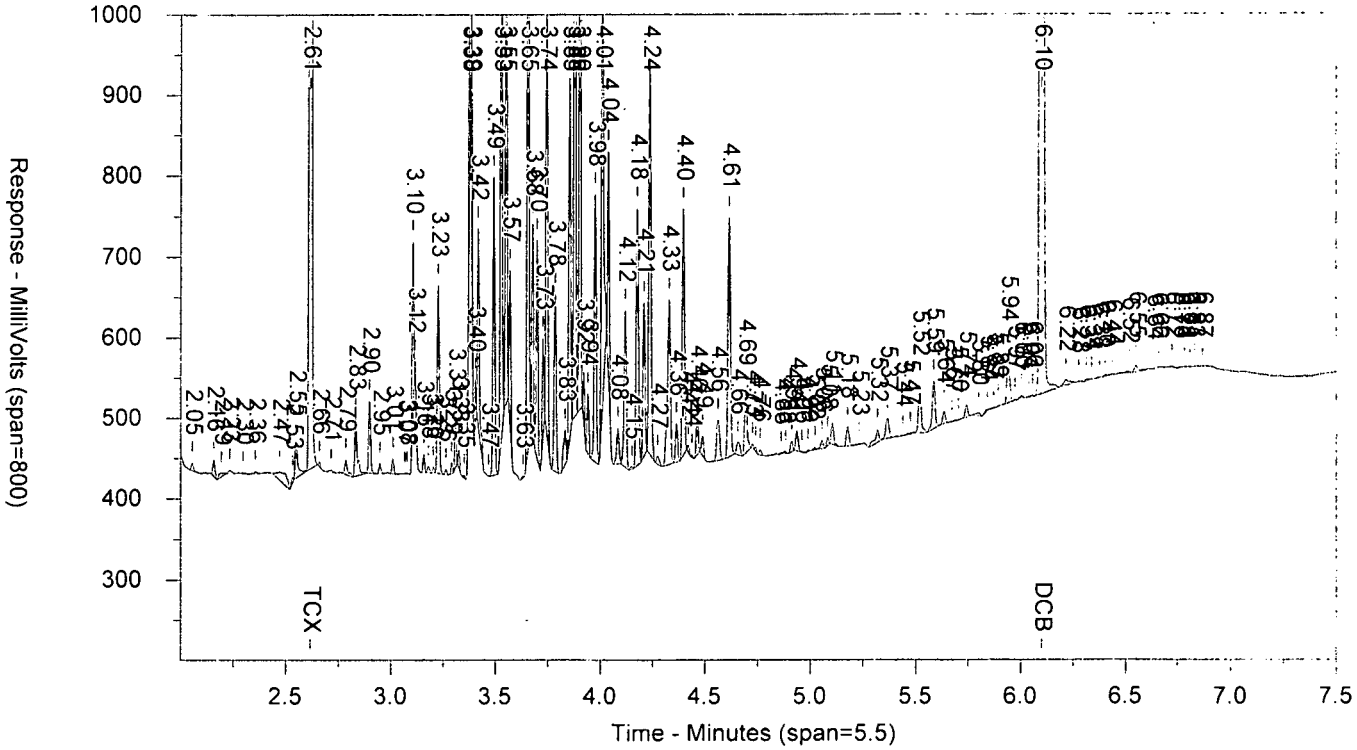

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 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: 25PCBs17289001.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.008		280	139
2.036		6087	6317
2.085		7594	19299
2.168		1718	2628
2.232		24687	19816
2.299		445	228
2.331		15381	15893
2.366		2039	1928
2.43		499	467
2.49		4651	5742
2.535		1253	1120
2.569		1713	2014
2.653		642	815
2.746		1152	2052
2.778		9518	7925
2.874		599	350
2.895		2760	2218
2.931	TCX	5955858	4001737
3.028		1945	1253
3.077		13735	12619
3.127		74995	57524
3.18		86191	61227
3.257		11400	6119
3.274		13904	7994
3.366		625	304
3.396		233172	145942
3.412		67773	34655
3.45		17905	10563
3.465		1094	331
3.476		4094	2254
3.51		237897	184734
3.567		12197	7289
3.585		3936	2000
3.62		44782	26231
3.635		11491	5248
3.677		201968	112508
3.688		215367	107812
3.725		284909	229766
3.782		335470	261272
3.824		47167	32867
3.852		518775	399002
3.879		332256	259661
3.9		92853	50979
3.975		621388	458920
3.998		169355	107817
4.03		209944	154611
4.063		532744	494369
4.103		176748	148982
4.15		17539	17769
4.188		57068	43125
4.221		404843	277355
4.241		533289	333111
4.264		624721	475238
4.335		55167	50925

RT A	Compound A	Height A	Area A
4.369		386620	324903
4.387		105432	66246
4.411		142722	99989
4.452		8083	5351
4.473		34418	25511
4.515		175336	160765
4.565		245954	218406
4.596		143216	108715
4.626		423332	377500
4.675		8060	5379
4.708		158702	155259
4.752		40657	47729
4.797		41782	38651
4.837		288889	280270
4.87		5388	3672
4.916		27410	35239
4.95		44276	72145
5		3524	2556
5.033		294480	293506
5.082		7404	5704
5.112		15631	18159
5.153		81550	70431
5.174		2624	1189
5.193		4663	2792
5.221		12736	11156
5.264		6028	5903
5.296		762	628
5.326		2945	3403
5.359		25848	20815
5.382		10338	7415
5.438		5824	5045
5.477		3434	4059
5.517		10626	10790
5.556		14010	12752
5.582		2025	1313
5.618		24534	19266
5.643		19751	17201
5.705		543	332
5.738		564	556
5.761		711	589
5.822		23538	21868
5.878		8887	13196
5.955		3294	4583
6.013		54263	54242
6.076		51901	64661
6.147		506	553
6.159		536	211
6.213		275	993
6.246		13514	14417
6.291		1120	1239
6.325		466	181
6.358		659	577
6.392		836	1836
6.45		50007	52701
6.51		3596	4604
6.599	DCB	4363427	4509513
6.675		383	106
6.685		582	221
6.728		670	382
6.771		1167	2025
6.787		511	134
6.799		689	351
6.831		301	795
6.879		4714	11823
6.992		527	804

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 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: 25PCBs17289001B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		18463	12482
2.19		2237	1965
2.209		1870	1059
2.235		4394	4236
2.3		3432	2617
2.354		2714	2749
2.411		2385	1973
2.548		26162	42713
2.615	TCX	10306140	6109927
2.658		10407	5491
2.785		32927	26830
2.832		131886	100923
2.898		161687	100613
2.948		25963	15073
2.987		1945	1360
3.009		35994	22266
3.065		392	84
3.071		638	207
3.086		522	66
3.105		376737	192816
3.116		69328	23377
3.156		43269	24783
3.178		13393	8292
3.203		15681	8677
3.226		433310	289691
3.264		13674	8065
3.291		26566	13747
3.31		101907	54570
3.325		41117	18472
3.351		3197	1599
3.375		455145	203151
3.384		501688	204284
3.405		92950	39142
3.418		447860	268234
3.493		691017	433317
3.528		1161872	724175
3.551		1101645	597847
3.569		347250	182439
3.627		1579	654
3.654		1505262	942426
3.677		461577	251156
3.698		495832	287955
3.727		223980	112146
3.744		1060664	636668
3.785		408675	288577
3.832		83304	70532
3.854		844753	519386
3.877		2044953	1289319
3.901		1498876	892750
3.92		108456	52073
3.939		124073	70578
3.975		603795	420174
4.009		1008020	797732
4.037		525750	293916

RT B	Compound B	Height B	Area B
4.084		82912	61136
4.119		354801	270756
4.15		3429	1718
4.176		600861	461078
4.208		360962	249343
4.235		913929	695693
4.275		19100	17100
4.328		377774	362875
4.364		94120	69136
4.396		598262	440377
4.419		14946	7790
4.437		5258	2687
4.462		81692	53925
4.488		47553	33699
4.534		734	241
4.561		101633	97651
4.613		598021	466045
4.657		30012	34258
4.692		140110	123985
4.722		11193	5442
4.737		8962	5097
4.762		13062	9196
4.821		1545	1184
4.836		1735	789
4.861		3702	2157
4.879		6544	3979
4.911		23992	17420
4.935		49373	37525
4.984		9227	9425
5.021		4906	4008
5.055		20371	15524
5.083		20496	13177
5.105		50361	39267
5.177		49753	41021
5.246		979	1206
5.294		3013	2559
5.319		21864	18346
5.365		46535	46671
5.439		1142	803
5.485		1264	1477
5.518		112976	100419
5.586		107550	99790
5.636		29077	24954
5.707		757	1839
5.741		29650	24331
5.776		1691	1559
5.799		1925	1890
5.852		1465	3720
5.914		1724	4781
5.939		137030	115537
5.97		3654	2112
6.006		3515	3992
6.059		1339	942
6.097	DCB	14413780	11894660
6.212		6539	13831
6.289		1468	1460
6.313		1753	839
6.345		1414	253
6.362		1054	584
6.377		949	314
6.391		1439	715
6.435		2200	1228
6.498		3514	7527
6.547		15556	15563
6.631		929	1101
6.645		1057	386

RT B	Compound B	Height B	Area B
6.657		1905	2411
6.716		2851	3619
6.753		1051	371
6.764		1607	3037
6.825		1364	780
6.899		1037	441
6.96		1422	1626

AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082

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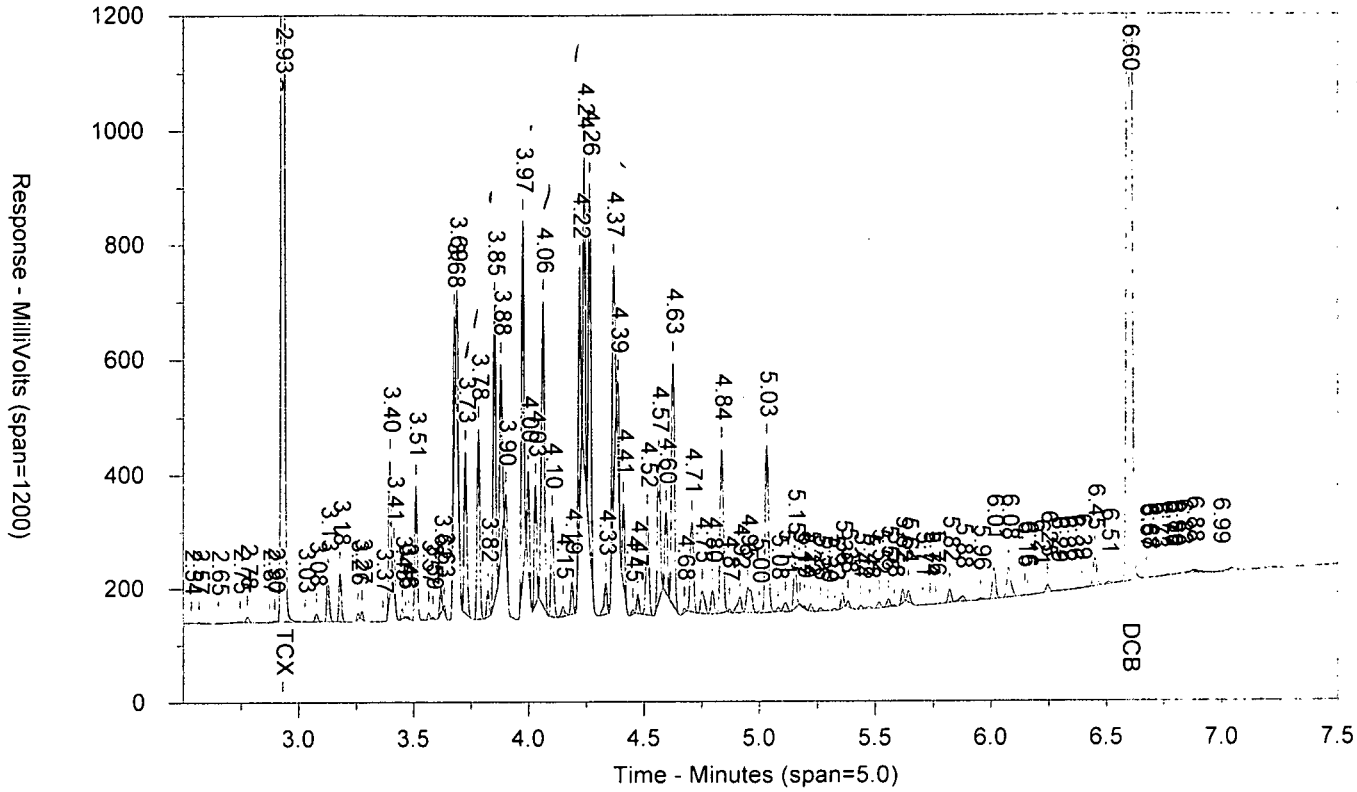

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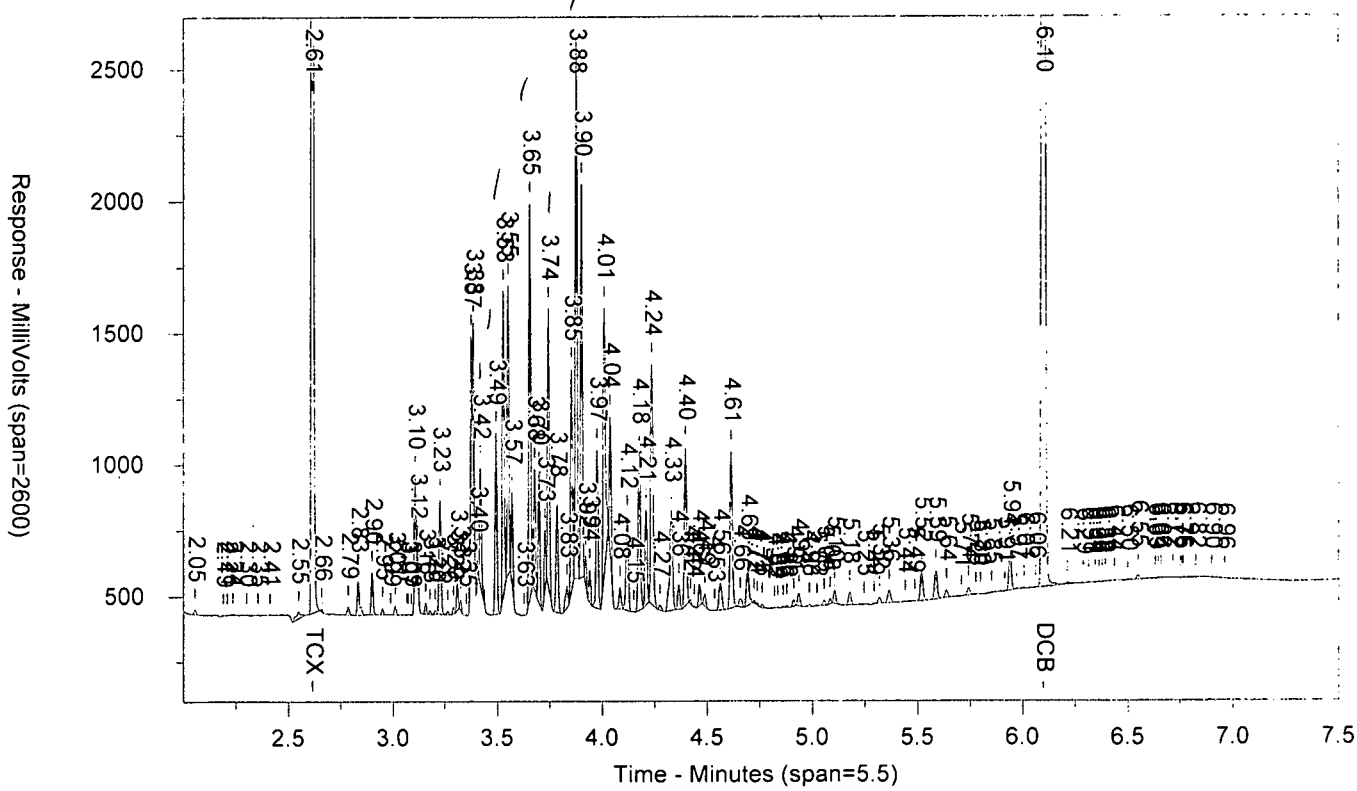

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:33:04 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	5955858	40.603	TCX	2.615	10306140	38.736	TCX
6.599	4363427	38.19	DCB	6.097	14413780	38.932	DCB

Files:
Area File: 25PCBs17289001.016.RAW
Area File: 25PCBs17289001B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:41:36 PM
File Reported On: 10/16/2017 at 9:41:50 PM

AR4841724C AAAR484AA ICAL 1728899999 10225 SW-846 8082

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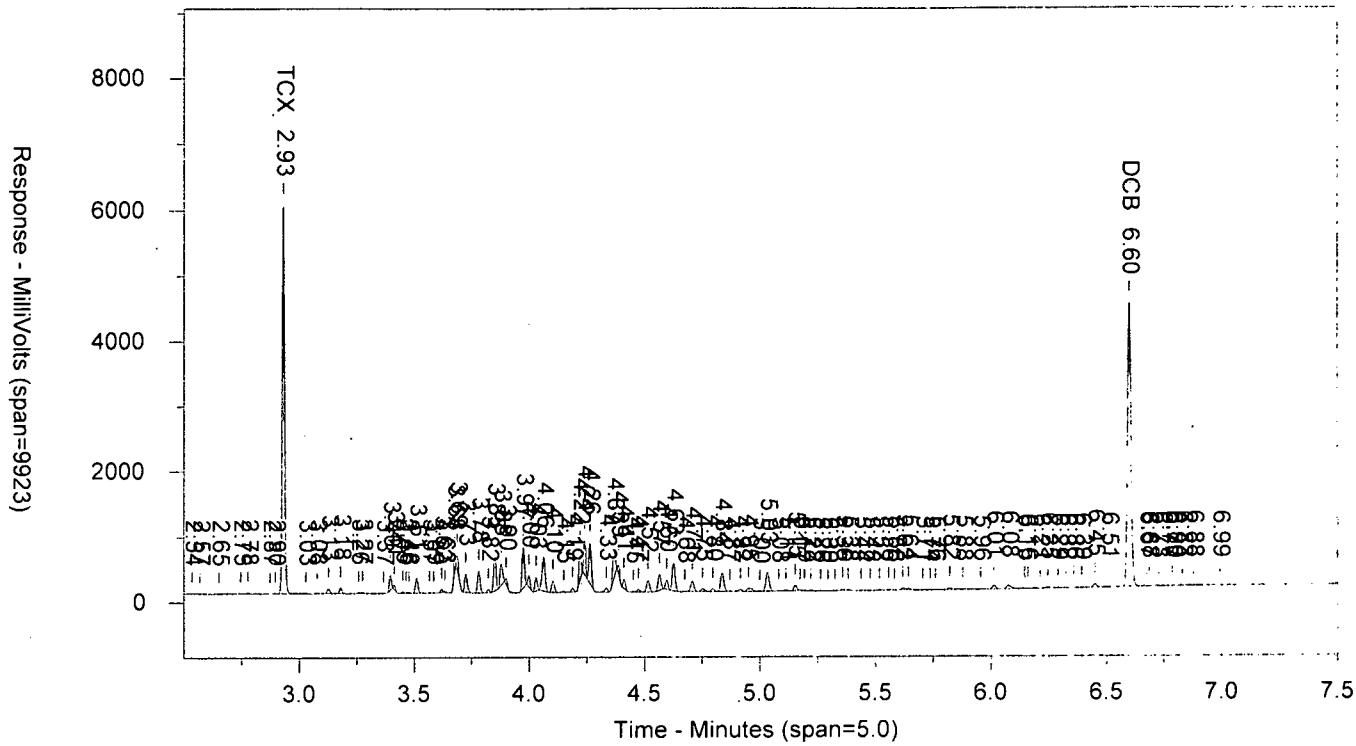

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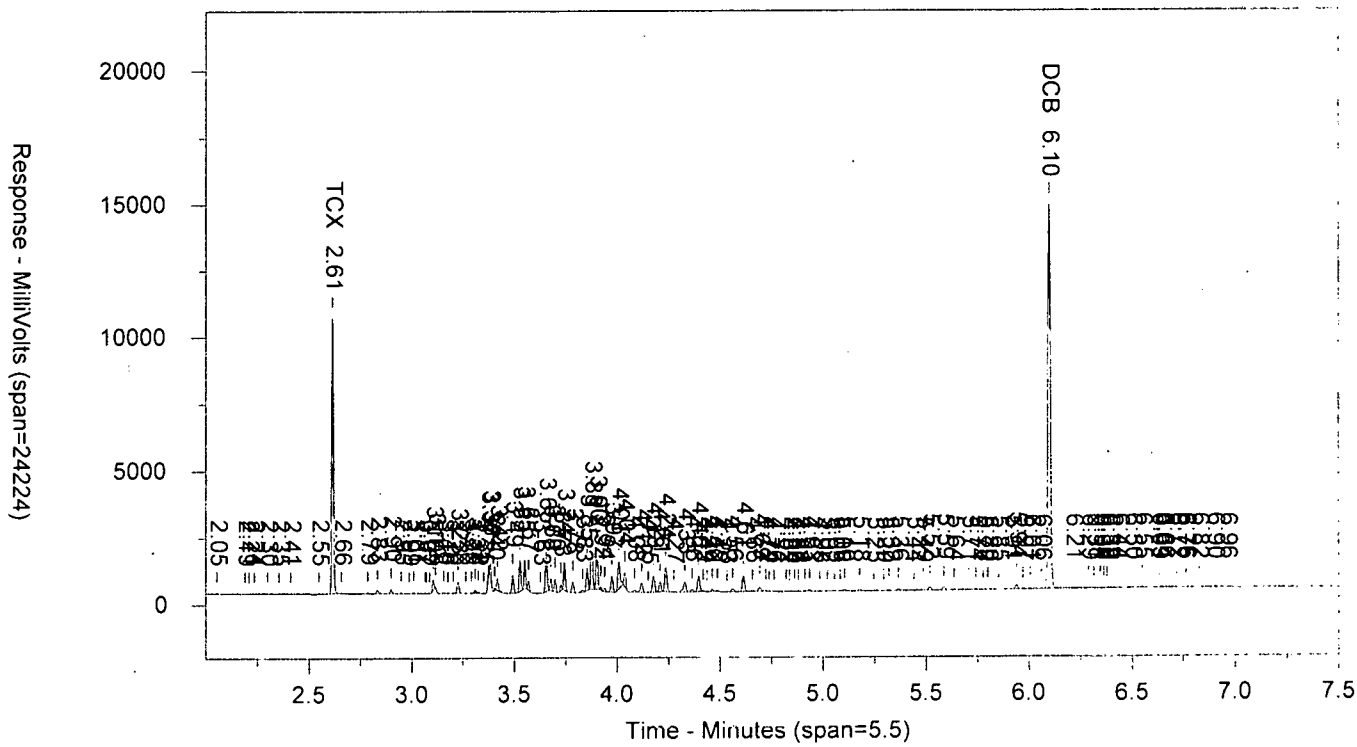

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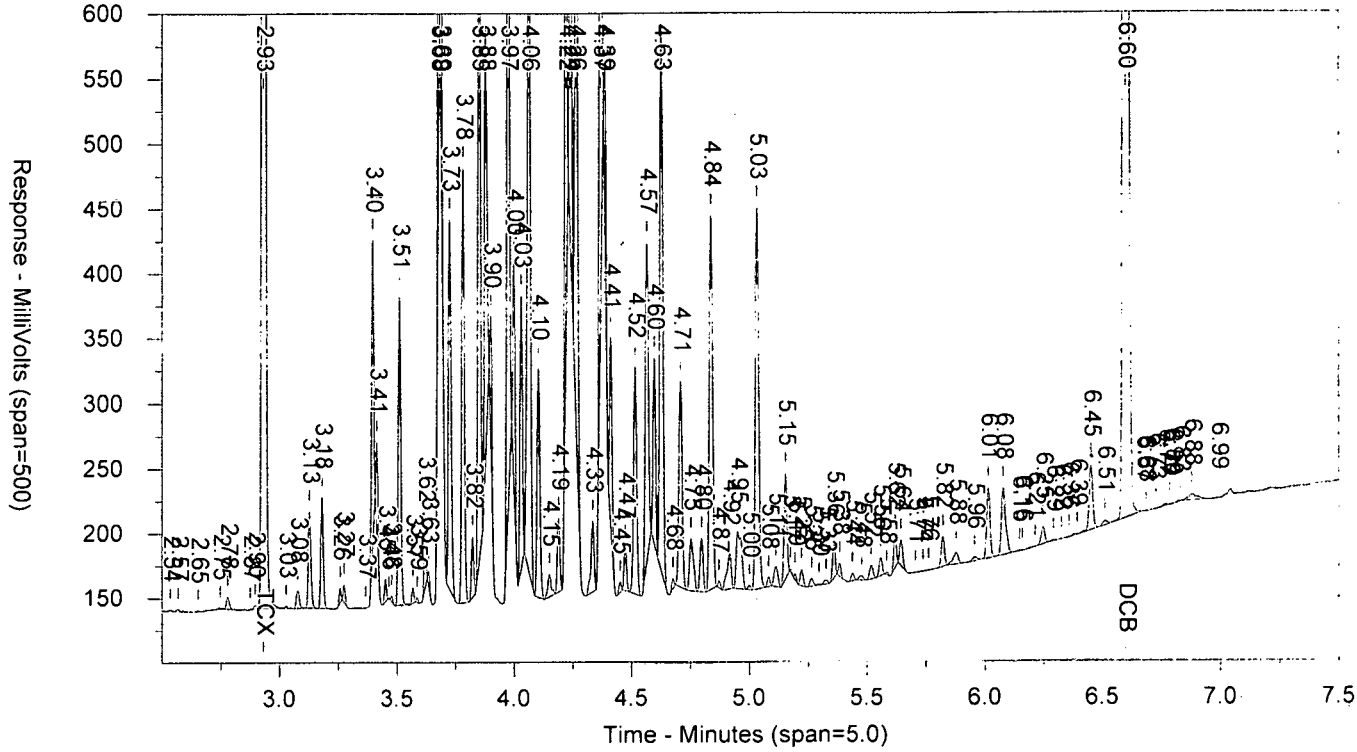

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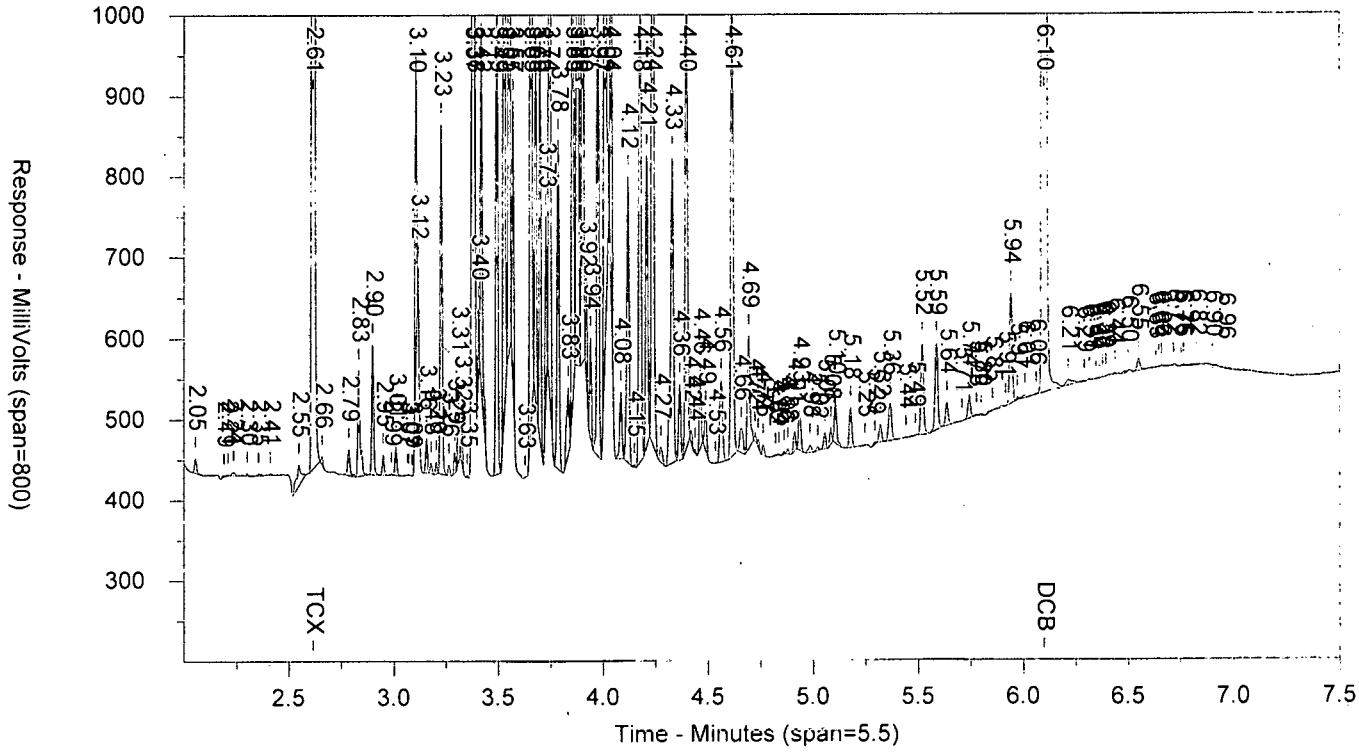

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.015		529	178
2.036		9563	9598
2.084		15218	31175
2.167		1623	2065
2.231		36710	28376
2.338		16223	17028
2.364		1833	2433
2.489		7070	7975
2.53		967	777
2.568		3221	2169
2.59		2897	1863
2.651		758	668
2.752		1118	1874
2.778		30078	30072
2.84		847	921
2.876		339	264
2.894		4752	3938
2.931	TCX	8573852	6035560
3.027		2267	1415
3.078		33191	29401
3.127		117173	95410
3.18		192457	143750
3.258		14767	7880
3.274		34307	20629
3.314		736	344
3.395		536579	330976
3.412		148784	76518
3.449		42496	25398
3.464		2901	885
3.476		9041	4427
3.51		531466	419647
3.547		1785	923
3.567		16717	9675
3.585		11516	6239
3.62		107406	63743
3.635		30349	13579
3.678		390929	228891
3.688		572001	269850
3.725		674909	532979
3.783		798881	610474
3.823		109980	77878
3.851		1242119	917020
3.879		777165	603611
3.901		218547	118466
3.975		1489350	1075371
3.998		381598	248876
4.03		470413	344499
4.063		1300285	1158095
4.102		397382	337640
4.149		44713	41406
4.188		131915	105402
4.221		939566	652735
4.24		1269906	814806
4.264		1463109	1114794

RT A	Compound A	Height A	Area A
4.335		131427	120596
4.368		911456	778598
4.387		241332	150318
4.411		290087	205500
4.451		19623	12761
4.474		77476	60276
4.515		382384	362609
4.564		577391	499474
4.596		306881	236925
4.626		978590	869695
4.676		16557	11914
4.708		369024	352196
4.752		93072	113941
4.797		103559	92761
4.837		681400	646389
4.87		8696	5874
4.915		64663	86382
4.95		37795	30891
4.961		18457	14684
5.001		7629	5535
5.033		697373	691909
5.082		16240	12658
5.113		28928	34530
5.153		177148	161286
5.175		7611	3386
5.193		10317	6347
5.221		30097	26302
5.263		14103	13327
5.294		1554	944
5.325		3949	4021
5.358		62552	51157
5.382		27474	19387
5.438		13264	12102
5.476		7763	8654
5.517		16450	16465
5.557		34550	31680
5.582		4683	3281
5.618		61791	51062
5.642		31423	25198
5.719		850	842
5.771		395	594
5.794		418	115
5.822		52391	51367
5.877		21596	32026
5.956		4250	5253
6.014		81276	80720
6.077		79563	102239
6.145		601	747
6.246		30889	32634
6.29		2134	2331
6.378		2045	2201
6.424		571	655
6.45		76268	78837
6.508		4208	5320
6.558		305	511
6.598	DCB	6678274	6716635
6.675		433	207
6.704		414	337
6.717		634	167
6.766		2163	2968
6.836		445	1235
6.881		4608	13293
6.986		746	808

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 . 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		27786	20094
2.158		11469	10028
2.186		4682	4197
2.234		4391	4737
2.267		1188	1345
2.3		6924	5287
2.36		2779	3631
2.47		3320	14210
2.532		6410	3189
2.548		58480	57687
2.615	TCX	15962260	9234640
2.658		26528	15501
2.786		76808	56003
2.832		200762	162596
2.898		368514	223253
2.948		37557	22500
3.009		85885	52977
3.07		1782	1442
3.088		515	108
3.105		872816	433804
3.115		137946	46953
3.156		98945	58214
3.177		29717	17370
3.203		35988	19562
3.226		968984	654470
3.263		32532	18481
3.291		37947	18396
3.309		233232	123845
3.325		83881	39177
3.35		3529	1993
3.375		978875	462052
3.385		1423621	539970
3.404		218031	86682
3.418		1037805	618208
3.493		1643701	1012473
3.527		2784918	1679320
3.551		2587791	1401720
3.569		821726	427547
3.627		1526	588
3.654		3614195	2251346
3.677		1123797	584147
3.698		1101108	663973
3.727		512597	250205
3.743		2592914	1516334
3.785		909680	658841
3.832		177958	153560
3.854		2008444	1238858
3.877		4973394	3076745
3.901		3480938	2198010
3.92		262221	122481
3.94		264642	152690
3.975		1373094	975587
4.009		2568426	1913218
4.037		1425532	788340

RT B	Compound B	Height B	Area B
4.084		180654	133002
4.119		811019	616477
4.149		4076	1857
4.175		1486642	1088627
4.208		830607	581186
4.235		2271961	1652369
4.274		44858	43061
4.328		897153	838248
4.364		215105	160553
4.395		1453304	1037286
4.419		38552	19514
4.436		4795	1836
4.462		182779	120555
4.487		112965	79510
4.561		224151	225244
4.613		1461803	1136074
4.654		71727	73954
4.692		317845	289574
4.723		27736	13157
4.738		21188	10666
4.761		29835	20943
4.805		1765	866
4.82		1612	828
4.837		3839	2097
4.861		7453	4529
4.878		13216	8997
4.911		56582	41473
4.935		119186	87801
4.984		23724	22845
5.02		12374	9111
5.054		32411	26827
5.083		49903	33427
5.104		113140	90860
5.177		74433	65074
5.243		958	583
5.253		2025	2432
5.299		3061	3969
5.319		52028	43584
5.365		99270	102672
5.421		666	1188
5.451		751	509
5.464		959	511
5.483		982	594
5.518		169794	149069
5.586		165081	149741
5.635		53439	43892
5.693		1698	1667
5.713		910	874
5.742		64025	54055
5.773		3678	2095
5.844		1021	2783
5.879		797	1347
5.893		3101	2910
5.94		213072	177149
5.971		5601	3558
6.003		3691	4167
6.037		1008	832
6.059		1891	1596
6.098	DCB	21167740	17751880
6.213		5892	7471
6.25		1237	724
6.294		1045	314
6.318		1413	1201
6.367		1136	852
6.416		1122	1868
6.43		1900	516

RT B	Compound B	Height B	Area B
6.486		1066	1010
6.508		2317	2263
6.547		22529	18982
6.607		1162	680
6.635		1066	1261
6.66		2101	1836
6.718		3701	3598
6.775		1095	948
6.814		978	376
6.837		745	478
6.867		1297	915
6.977		1088	1053

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

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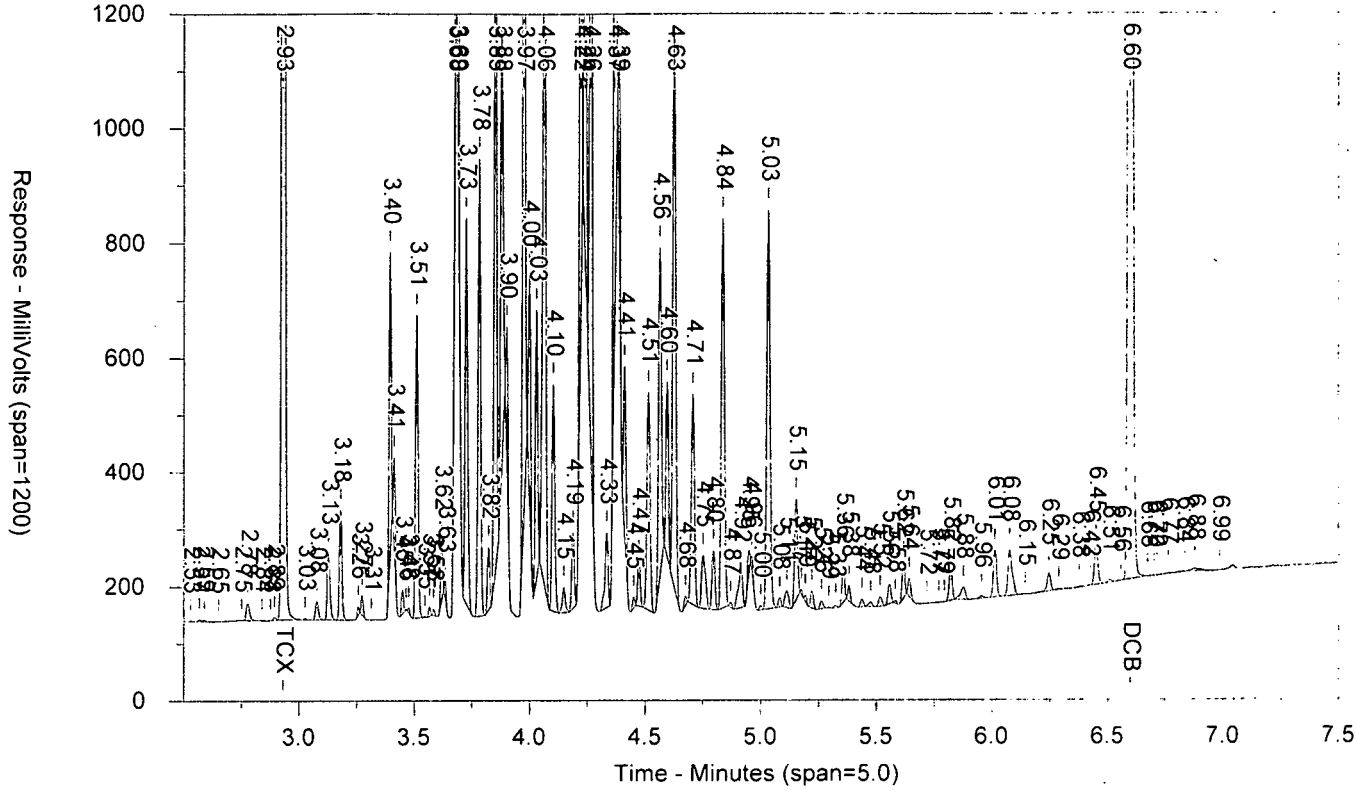

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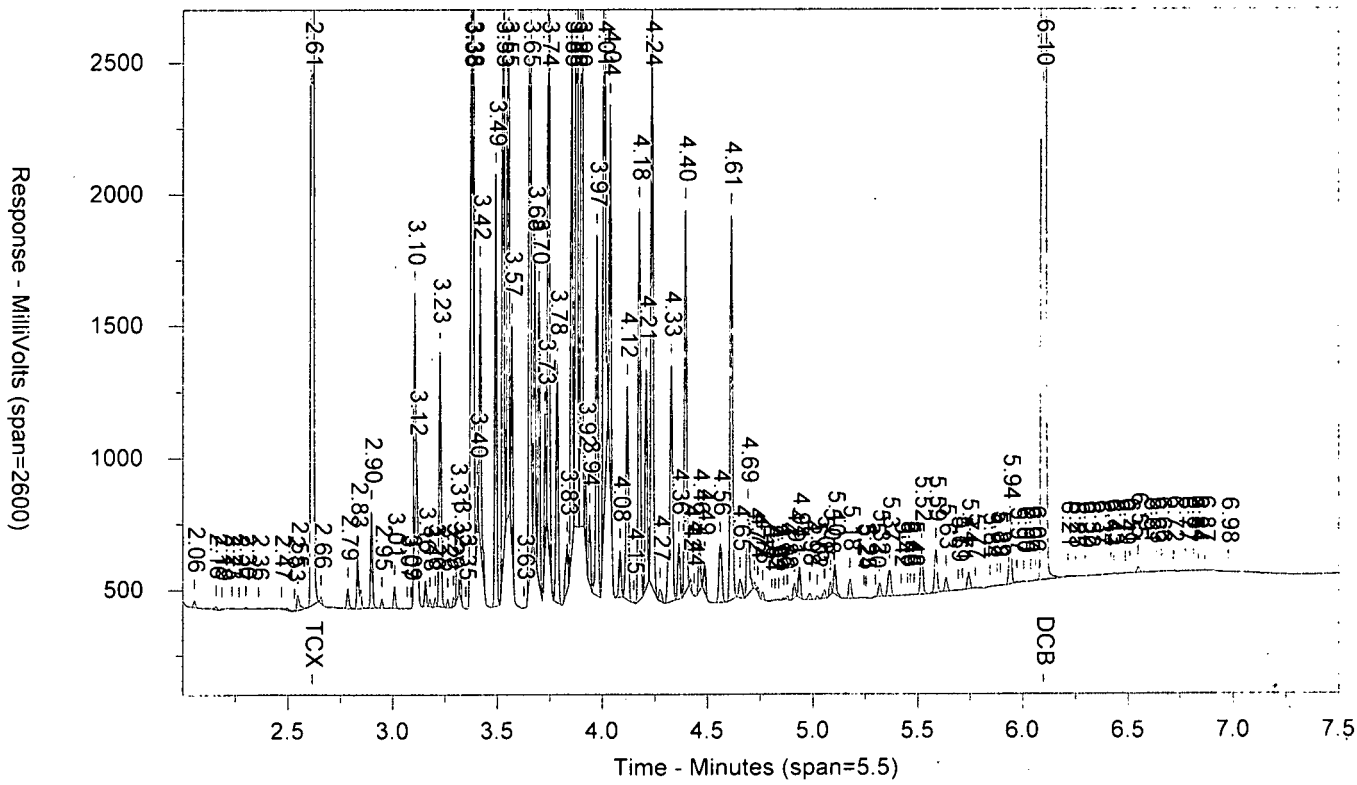

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:44:22 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	8573852	58.451	TCX	2.615	15962260	59.995	TCX
6.598	6678274	58.451	DCB	6.098	21167740	57.174	DCB

Files:
Area File: 25PCBs17289001.017.RAW
Area File: 25PCBs17289001B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 9:52:53 PM
File Reported On: 10/16/2017 at 9:53:06 PM

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

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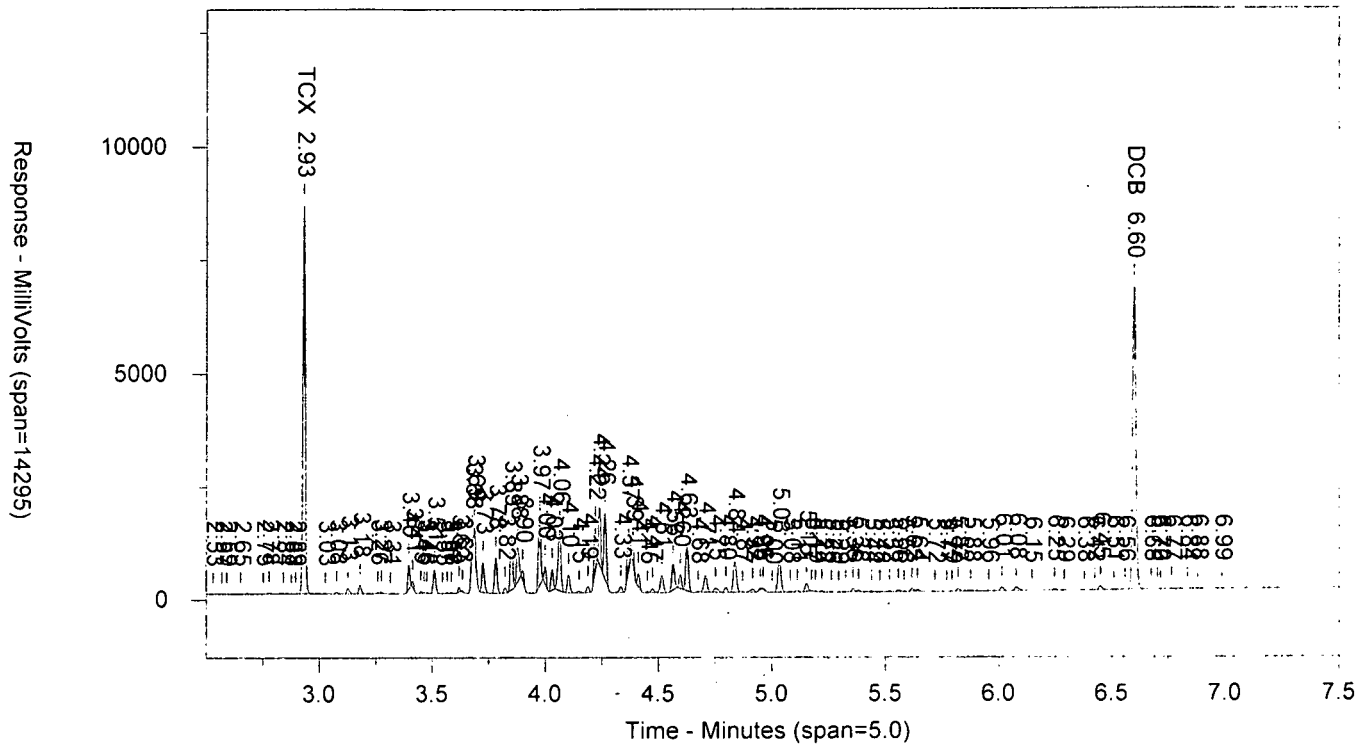

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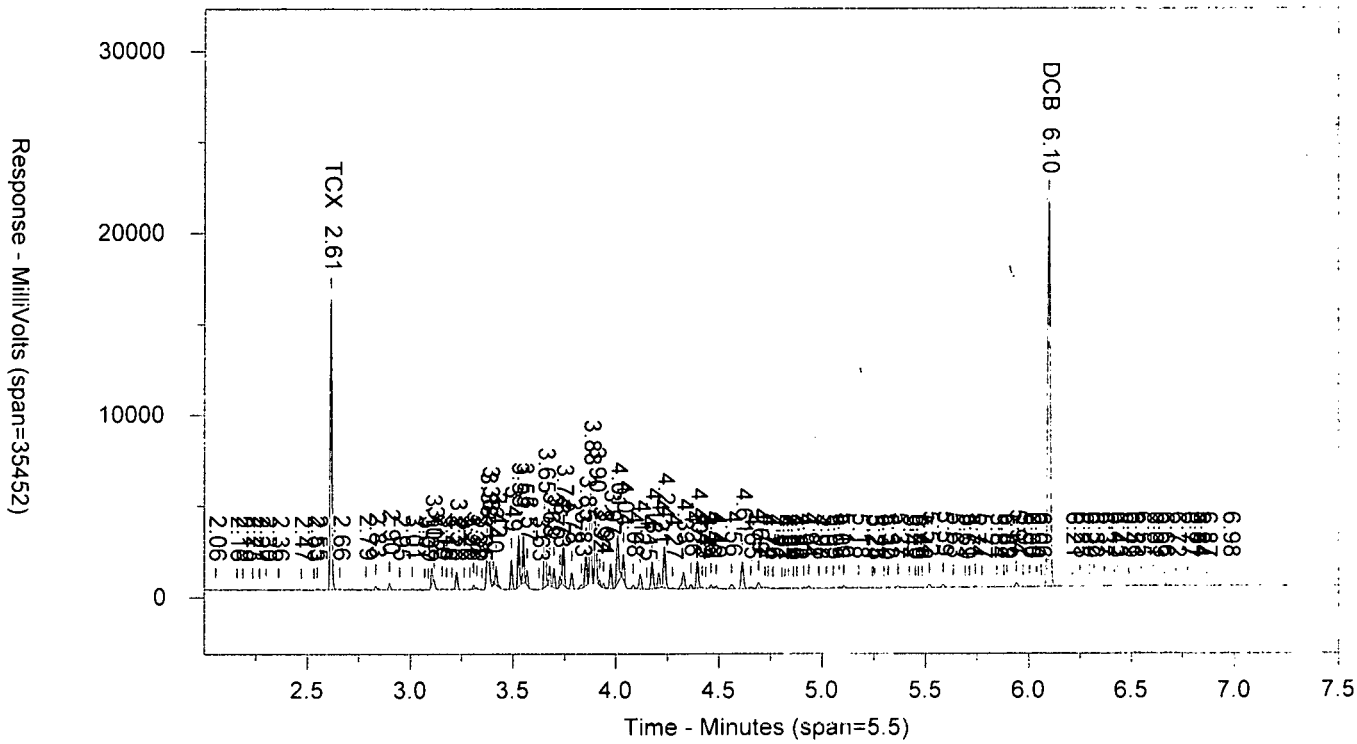

AR4851724C AAAR485AA ICAL 1728899999 10225 SW-846 8082

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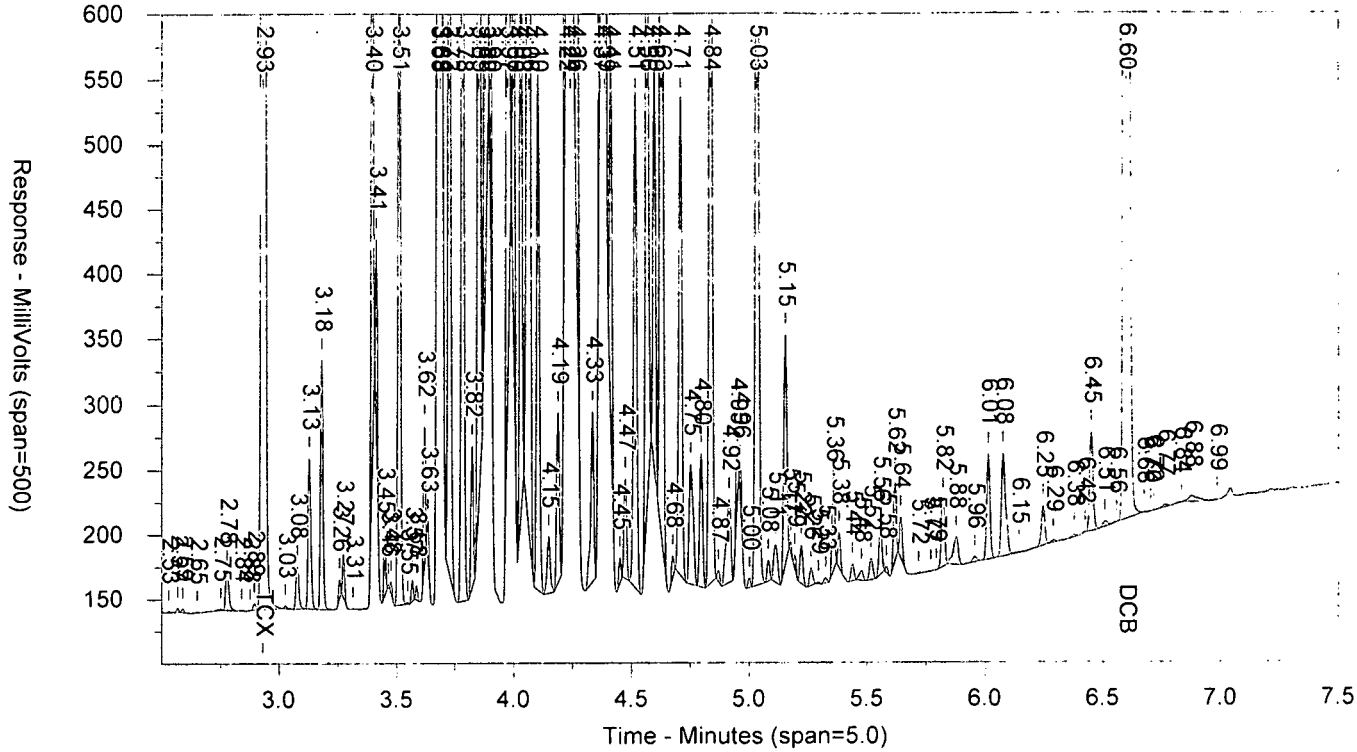

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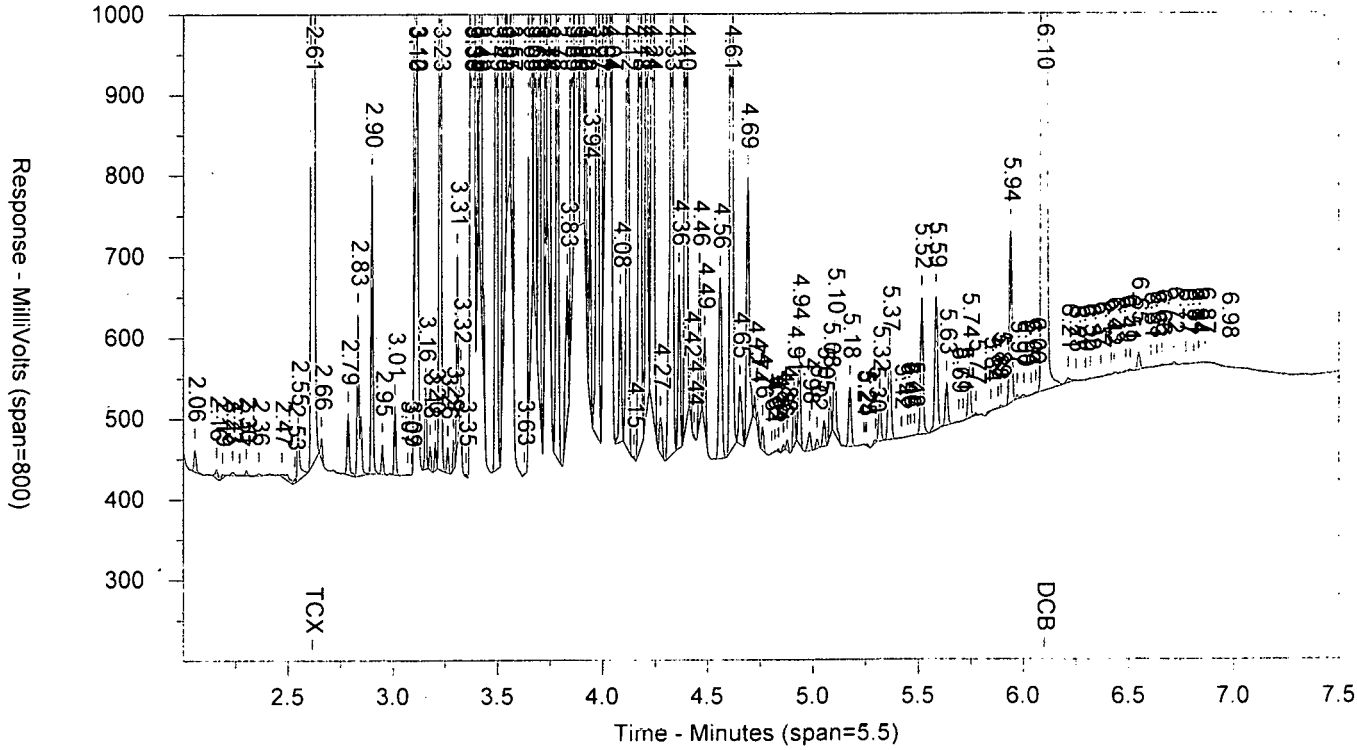

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		18097	19116
2.085		7817	11839
2.169		2264	2877
2.202		608	250
2.231		48943	37094
2.3		422	384
2.338		21394	22193
2.366		1549	1155
2.429		894	744
2.49		13114	13947
2.532		1048	738
2.568		5984	3671
2.59		10010	6335
2.653		1048	973
2.722		204	217
2.747		1545	1771
2.778		16888	15822
2.842		2093	2800
2.895		9389	7685
2.931	TCX	11926360	8202471
3.028		2920	1745
3.078		65910	57611
3.128		164825	143811
3.18		374909	277624
3.238		405	221
3.258		19755	10069
3.273		72297	44693
3.317		1287	1384
3.395		1068534	660749
3.412		310999	153643
3.449		84701	51941
3.465		4009	1185
3.475		18487	9500
3.51		1082508	838565
3.546		3346	1517
3.566		21535	12206
3.585		23201	13131
3.619		202694	121755
3.634		56707	27220
3.677		882027	512802
3.688		1223616	584707
3.724		1370190	1077575
3.781		1639958	1265747
3.823		207648	152511
3.851		2624570	1898006
3.878		1602043	1253725
3.899		433822	231081
3.974		3115918	2269251
3.997		803114	504098
4.029		982024	712066
4.062		2688972	2458283
4.102		810719	683560
4.148		91828	85458
4.188		270338	213367

RT A	Compound A	Height A	Area A
4.22		2110410	1393197
4.24		2928154	1819680
4.263		3152170	2333023
4.333		253231	242122
4.368		1989847	1647339
4.386		677398	386136
4.41		662003	447792
4.45		41672	27420
4.472		153146	122196
4.513		817895	733898
4.564		1250191	1060435
4.595		668870	490540
4.625		2120359	1813319
4.674		36352	24968
4.707		746698	716799
4.751		182679	230431
4.796		205257	188868
4.836		1363244	1347272
4.869		11514	7420
4.915		140281	184762
4.948		80155	59570
4.96		44386	31289
4.998		15746	11554
5.032		1468812	1470419
5.081		36419	27525
5.109		44722	58383
5.152		334633	313458
5.174		18638	8213
5.191		21336	12735
5.219		61349	54342
5.263		29318	27523
5.293		3652	2351
5.325		5724	6238
5.358		120315	101333
5.381		53559	38141
5.437		26152	23827
5.475		14553	15760
5.516		22588	21627
5.556		74851	67632
5.581		10592	6827
5.617		124480	107118
5.641		36693	28980
5.735		505	921
5.758		458	303
5.82		104969	102311
5.852		3424	1974
5.877		39000	45444
5.955		7236	9290
5.984		421	93
6.012		106812	107650
6.076		103656	138315
6.164		604	939
6.199		516	774
6.246		60024	62509
6.29		2758	2648
6.315		702	220
6.35		665	151
6.378		2172	2505
6.418		1873	1309
6.449		101075	109198
6.508		6682	8342
6.553		723	626
6.598	DCB	8515159	9108331
6.703		640	507
6.717		497	172
6.74		460	283

RT A	Compound A	Height A	Area A
6.765		3773	5277
6.834		438	826
6.878		3159	3986
6.957		565	229
6.972		590	143
6.982		806	374

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		36765	26083
2.118		1412	1460
2.158		32110	22236
2.187		7888	6523
2.233		4419	6156
2.299		12484	8775
2.36		5151	8010
2.411		4357	8487
2.474		1822	1908
2.533		7792	6883
2.548		27769	19252
2.572		2380	1107
2.615	TCX	21428380	12580890
2.659		54152	34187
2.785		145610	104270
2.832		250459	244100
2.899		665546	427764
2.948		50374	28566
3.009		161636	102847
3.07		828	293
3.105		1621735	814914
3.116		299763	98605
3.156		195060	115278
3.177		59839	32713
3.203		74217	39817
3.226		1944422	1300626
3.263		59506	34174
3.291		46797	23158
3.309		454805	243367
3.325		164616	76925
3.35		6967	3344
3.375		2145980	989859
3.384		2469800	1032636
3.404		425293	167144
3.418		2218367	1286064
3.492		3445522	2096594
3.527		5909478	3484959
3.55		5360642	2940874
3.568		1767600	876855
3.626		2173	1258
3.654		7537867	4695850
3.677		2369328	1220491
3.697		2371477	1368694
3.726		1092503	537175
3.743		5739088	3281161
3.784		1882434	1348598
3.831		382113	321192
3.853		4634285	2716133
3.876		10590060	6439648
3.901		8023397	4829334
3.92		561323	251639
3.939		508053	296339
3.974		3027679	2040691
4.008		5586423	4188244

RT B	Compound B	Height B	Area B
4.036		3284392	1792962
4.066		6648	2924
4.083		356268	248942
4.118		1720265	1257215
4.148		8191	3847
4.175		3184144	2334772
4.207		1793740	1228341
4.234		4971308	3548626
4.272		94358	88628
4.328		1847856	1746765
4.363		453723	332993
4.394		3175498	2183236
4.418		85314	45929
4.461		374812	241483
4.486		231853	168758
4.535		1026	408
4.561		457890	457259
4.612		3258914	2485176
4.653		138389	130815
4.691		679441	582887
4.722		55447	25892
4.736		38996	20858
4.761		59150	40436
4.805		2409	1092
4.819		4066	1771
4.835		8473	5621
4.859		16785	9844
4.877		28245	19212
4.91		119408	82228
4.933		236966	179716
4.984		50112	46935
5.019		24629	18746
5.053		45311	38372
5.082		99029	66149
5.103		223310	183284
5.146		2803	1270
5.176		104612	88454
5.257		4288	3576
5.295		5948	5405
5.317		106240	87237
5.364		200368	209628
5.432		907	654
5.462		1302	609
5.481		968	482
5.517		227474	205620
5.585		220199	201640
5.635		84146	69102
5.68		903	687
5.71		753	396
5.741		130157	106766
5.772		7607	11089
5.871		1488	9276
5.893		4593	3330
5.939		298859	241785
5.969		6784	4328
5.994		1536	949
6.03		1057	511
6.056		2382	1624
6.097	DCB	29261830	24017140
6.212		5644	7745
6.28		1421	1039
6.321		1837	2288
6.374		725	770
6.386		1691	485
6.407		1408	806
6.434		4423	4419

RT B	Compound B	Height B	Area B
6.466		1734	1029
6.499		1047	284
6.547		28741	27643
6.624		1493	1331
6.659		2960	4443
6.698		1442	724
6.72		4619	4592
6.771		1055	1137
6.808		862	816
6.831		1429	553
6.87		1104	597

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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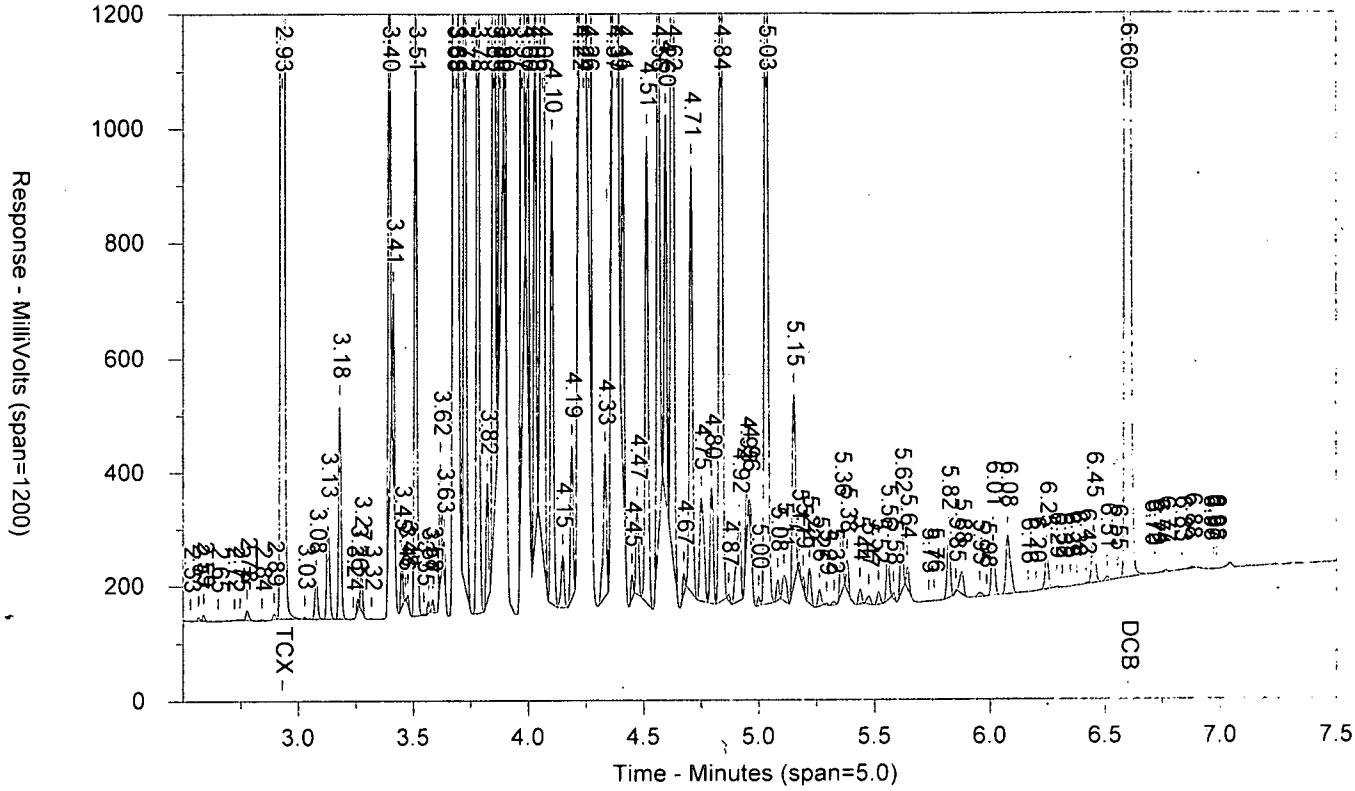

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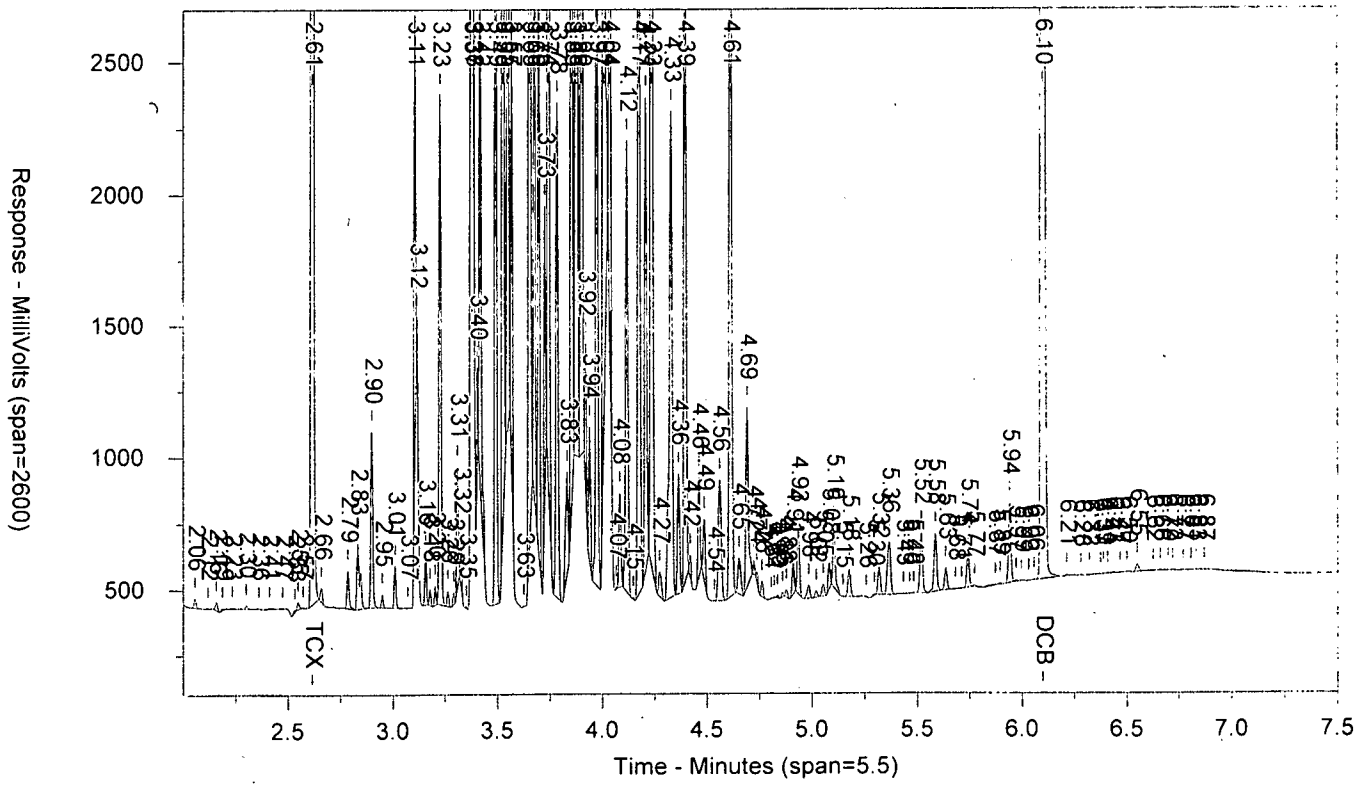

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 9:55:39 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	11926360	81.306	TCX	2.615	21428380	80.54	TCX
6.598	8515159	74.528	DCB	6.097	29261830	79.037	DCB

Files:
Area File: 25PCBs17289001.018.RAW
Area File: 25PCBs17289001B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:04:11 PM
File Reported On: 10/16/2017 at 10:04:22 PM

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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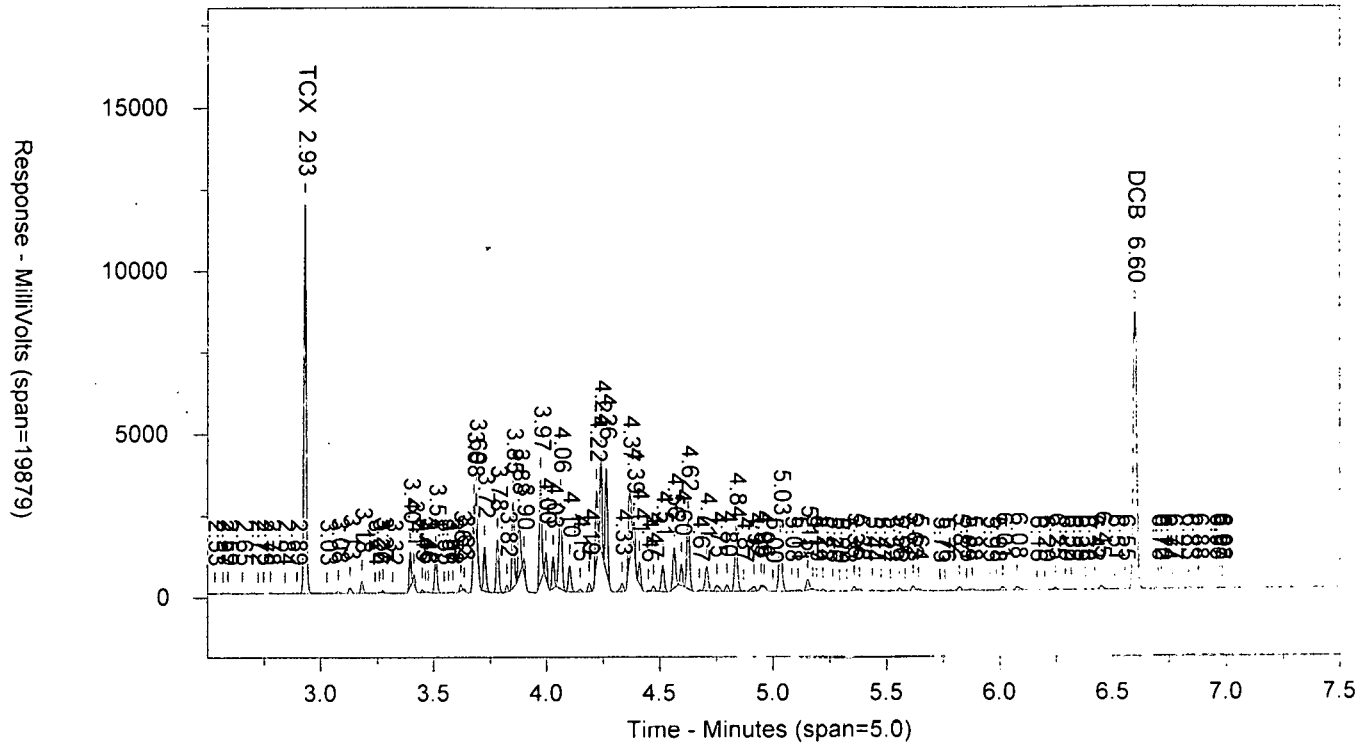

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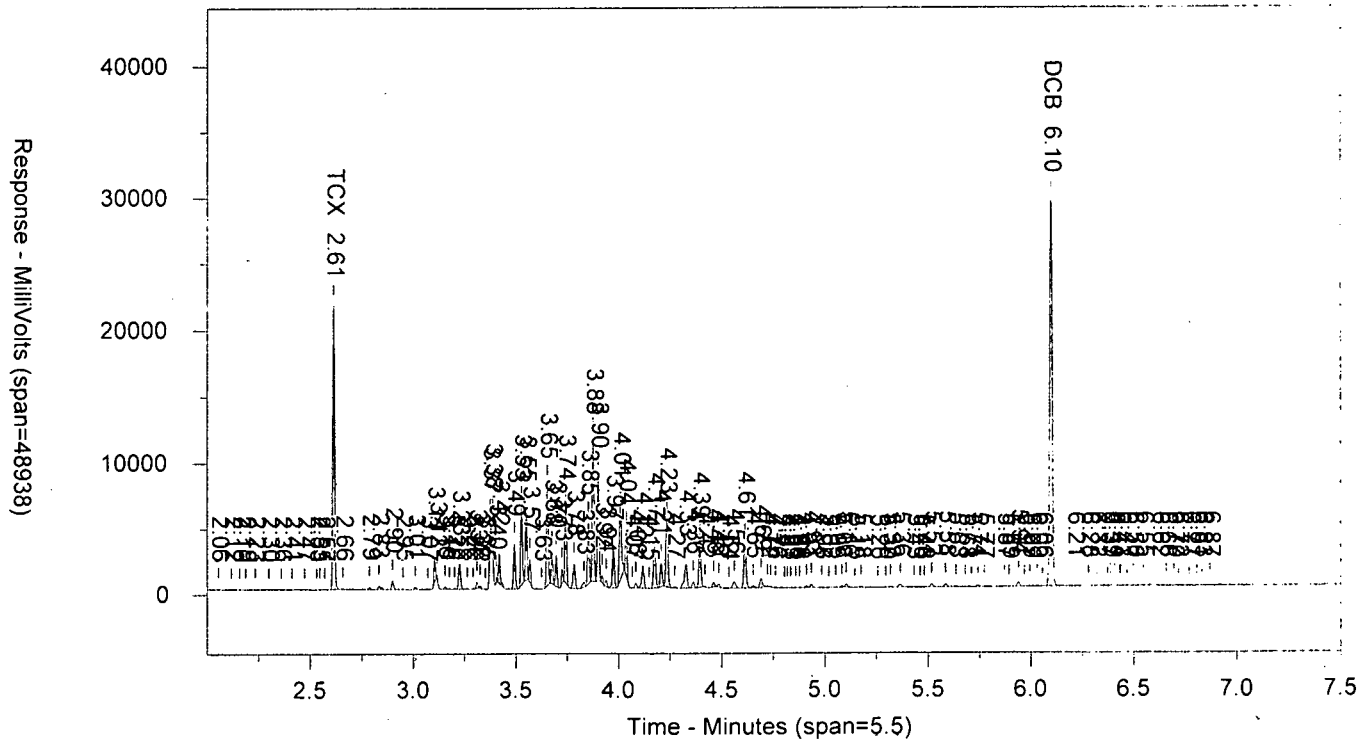

AR4861724B AAAR486AA ICAL 1728899999 10225 SW-846 8082

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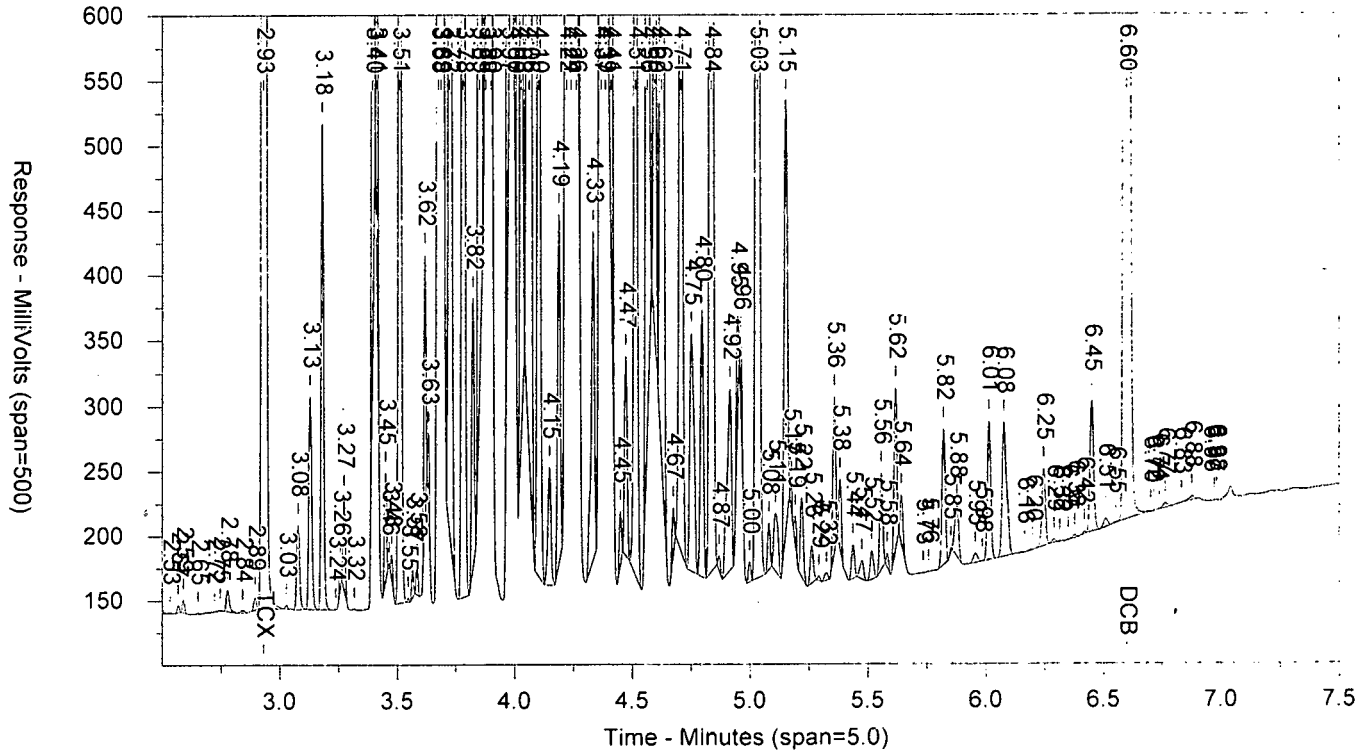

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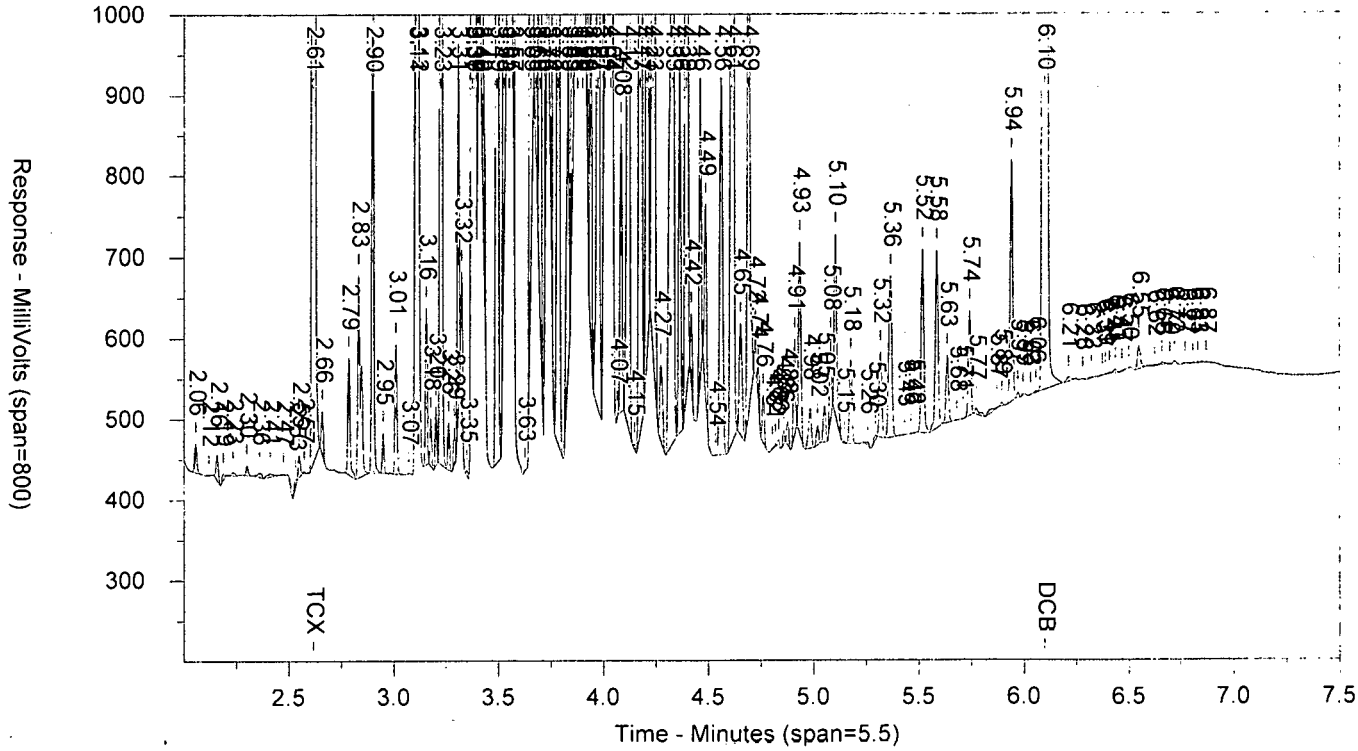

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.01		512	314
2.036		9877	10349
2.083		11109	24746
2.206		309	218
2.232		1559	1895
2.33		13902	10032
2.366		2629	4716
2.491		7089	8008
2.53		1075	864
2.589		9625	6830
2.649		685	733
2.702		337	141
2.748		1254	1661
2.778		21781	20700
2.875		481	336
2.894		5024	4396
2.931	TCX	288145	202827
3.095		465	818
3.127		3910	3295
3.181		1369	955
3.223		421	127
3.26		5285	5767
3.359		509	182
3.397		2337	3058
3.449		498	267
3.464		929	645
3.503		3606	3714
3.541		992	874
3.603		4515	5026
3.676		6572	8530
3.725		4281	4221
3.779		3383	3123
3.852		66477	51126
3.878		16407	13682
3.93		4244	4070
3.974		41687	31670
3.998		1538	821
4.031		4123	3325
4.062		17639	14916
4.103		3038	2540
4.166		6175	5007
4.188		2174	1221
4.223		87124	62966
4.24		30553	15636
4.266		31760	28457
4.335		27835	22807
4.376		147707	165881
4.411		58360	47612
4.452		1730	1256
4.472		9122	7369
4.514		53969	49049
4.565		102230	88091
4.596		21870	14622
4.626		195271	177613

RT A	Compound A	Height A	Area A
4.676		11960	12022
4.709		23857	19050
4.75		69058	68246
4.796		13419	11738
4.837		141764	138974
4.869		2123	1128
4.898		15301	18486
4.949		85190	139423
5.034		104883	111029
5.083		11138	8588
5.107		10245	14836
5.153		148377	135463
5.175		6556	3085
5.192		4421	2485
5.22		5641	4486
5.265		5828	7114
5.323		4672	5596
5.358		45923	38641
5.382		10250	7538
5.439		6021	5645
5.476		5000	4775
5.518		2183	2088
5.557		29382	26558
5.583		3741	2616
5.618		22462	19683
5.649		4809	5808
5.723		462	592
5.764		599	509
5.821		20447	19029
5.854		2506	1933
5.882		676	382
5.957		4173	5549
6.013		4941	5065
6.076		5799	8459
6.15		627	882
6.187		757	297
6.243		4557	6224
6.295		708	1583
6.323		590	486
6.364		698	547
6.403		762	823
6.448		3119	4401
6.509		4206	5462
6.597	DCB	264176	282405
6.677		813	606
6.711		428	650
6.766		2375	4421
6.876		3872	10189
6.972		771	297

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.158		26180	18859
2.187		5532	7064
2.231		4289	4812
2.356		2911	4040
2.534		4784	3525
2.548		41329	35196
2.615	TCX	530244	317888
2.718		4008	20903
2.833		10472	8049
2.876		1445	1570
2.95		2013	1293
2.986		1854	1759
3.075		2142	1847
3.118		4417	5445
3.141		434	88
3.156		1028	275
3.163		600	98
3.184		7140	4792
3.21		1029	215
3.227		3309	2464
3.265		2380	1521
3.28		628	157
3.285		809	139
3.291		1406	434
3.311		1086	470
3.328		8471	4998
3.353		1421	457
3.377		4562	3323
3.384		2740	934
3.405		2170	1102
3.419		4810	2895
3.449		2859	1742
3.476		524	134
3.493		5738	4080
3.528		155374	94618
3.551		44947	25594
3.567		4371	1646
3.59		612	349
3.629		953	488
3.654		99109	61388
3.677		8213	4360
3.699		8487	5217
3.727		2505	1125
3.743		36579	22311
3.783		8402	6007
3.823		7371	6528
3.854		34583	19583
3.876		333804	224830
3.901		38677	20939
3.92		35825	19343
3.94		77111	50330
3.975		315985	216003
4.006		119619	74933
4.023		75320	39388

RT B	Compound B	Height B	Area B
4.084		26557	23832
4.119		118445	84459
4.144		2394	2090
4.175		241737	176786
4.208		67367	50025
4.235		408740	315380
4.273		31833	29248
4.327		209338	175705
4.364		30121	23201
4.396		271363	190871
4.419		44977	28063
4.462		174849	134371
4.488		8505	4988
4.533		847	285
4.561		147745	149498
4.614		183687	148813
4.653		52081	41403
4.692		290146	285911
4.738		20684	13146
4.762		10416	7412
4.821		1829	1141
4.878		15675	13682
4.912		14752	10478
4.935		92373	72611
4.985		6908	5414
5.02		10022	8241
5.051		7049	6058
5.083		47642	32692
5.105		32138	21464
5.122		4849	2881
5.179		5655	5456
5.247		1124	894
5.319		3543	8186
5.361		43570	43697
5.441		1050	495
5.466		1001	673
5.519		12961	17771
5.586		14043	17903
5.638		4228	5076
5.701		1389	1978
5.742		3753	4034
5.781		1364	1419
5.795		2071	1867
5.883		895	6905
5.915		1331	702
5.939		7994	6968
5.969		1250	320
6.003		3579	3815
6.051		2047	2321
6.097	DCB	789332	701738
6.146		2671	3736
6.276		2929	18928
6.315		1351	1371
6.332		1063	401
6.358		878	303
6.394		1117	548
6.418		1395	1391
6.475		1337	558
6.486		1295	609
6.507		1164	300
6.533		1118	402
6.571		620	2568
6.629		962	1569
6.665		1546	1992
6.689		861	354
6.714		1160	1705

RT B	Compound B	Height B	Area B
6.768		1277	1090
6.794		1624	359
6.821		960	274
6.865		1814	3704
6.957		1472	836
6.972		1269	1420

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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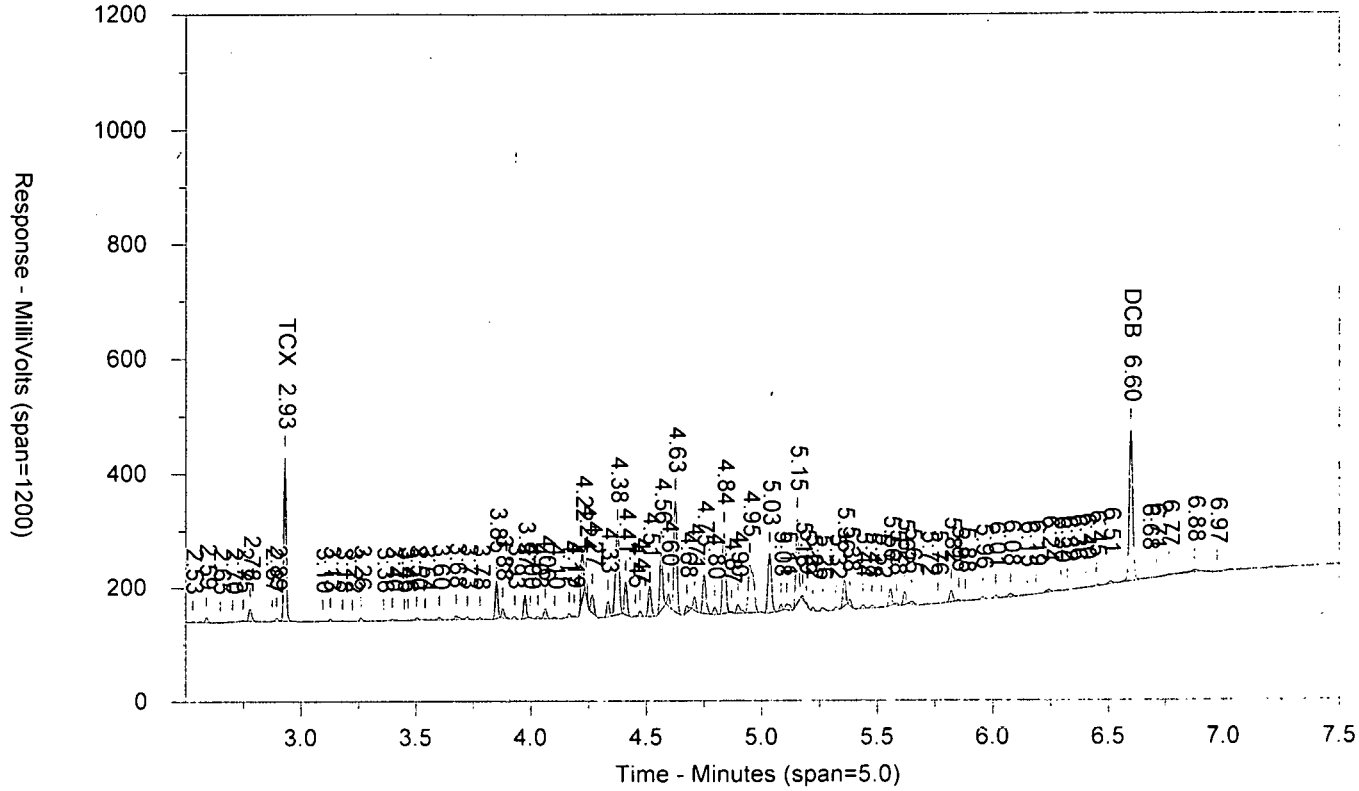

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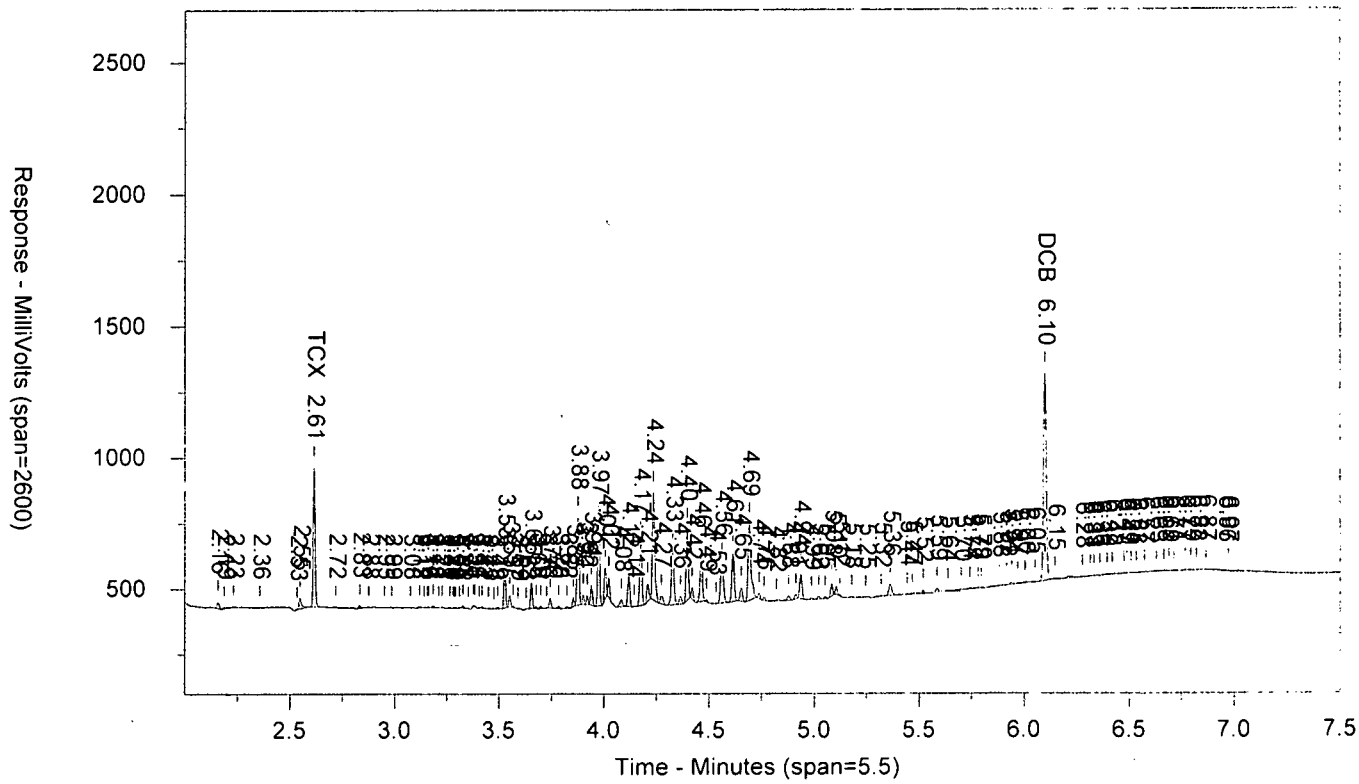

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:06:57 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	288145	1.964	TCX	2.615	530244	1.993	TCX
6.597	264176	2.312	DCB	6.097	789332	2.132	DCB

Files:
Area File: 25PCBs17289001.019.RAW
Area File: 25PCBs17289001B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:15:29 PM
File Reported On: 10/16/2017 at 10:15:38 PM

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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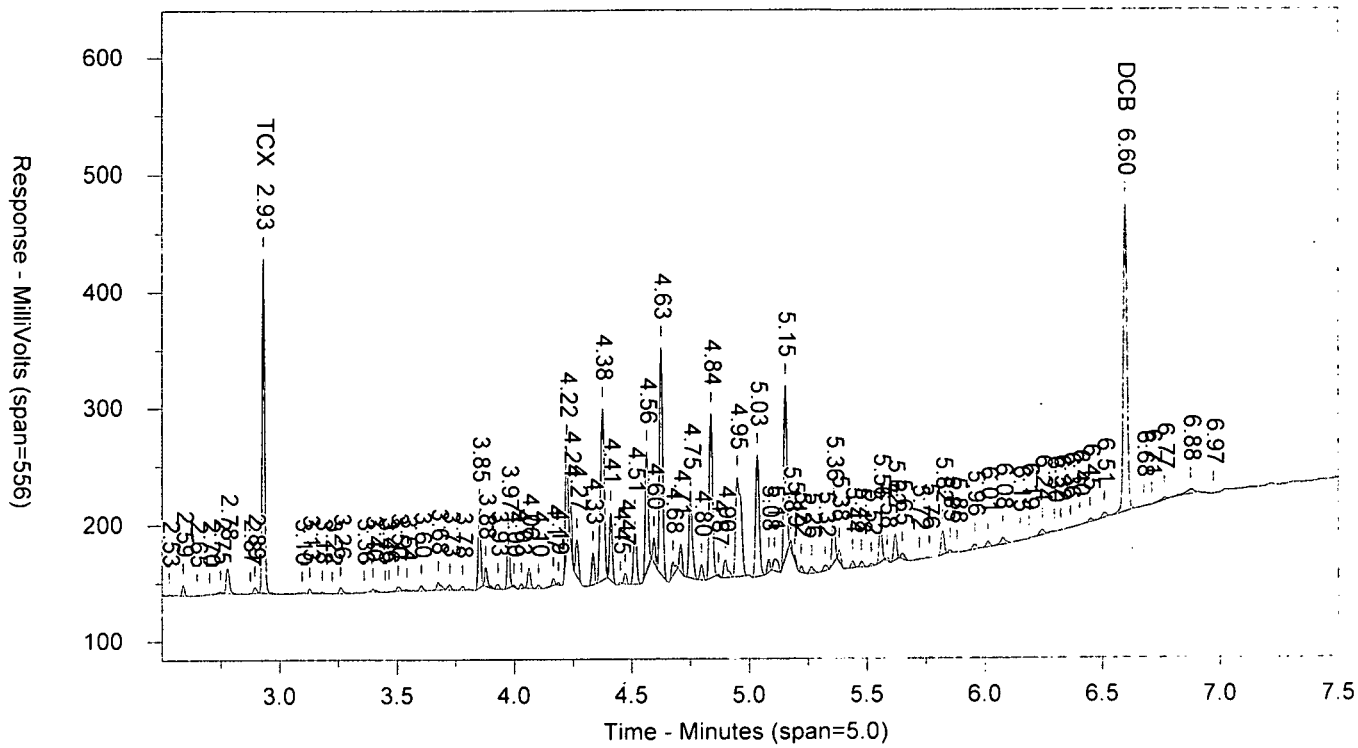

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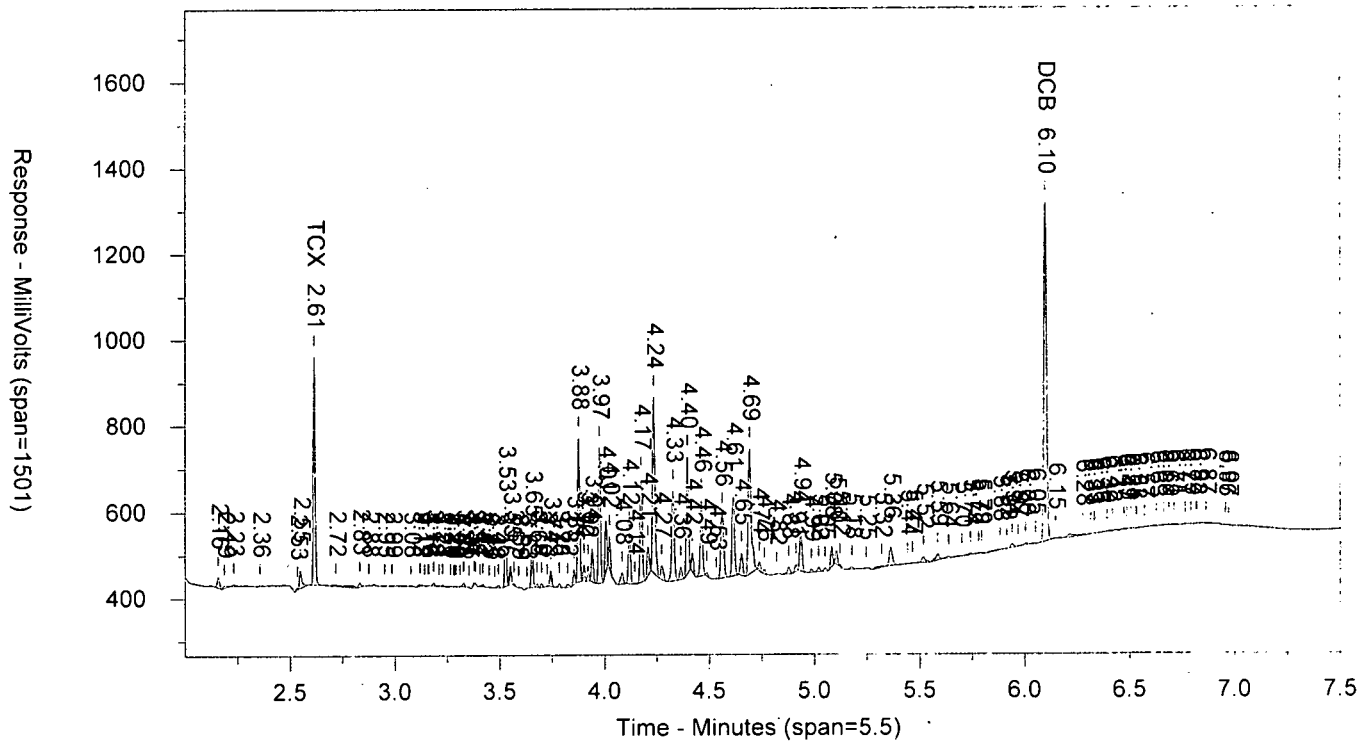

AR5411724C AAAR541AA ICAL 1728899999 10225 SW-846 8082

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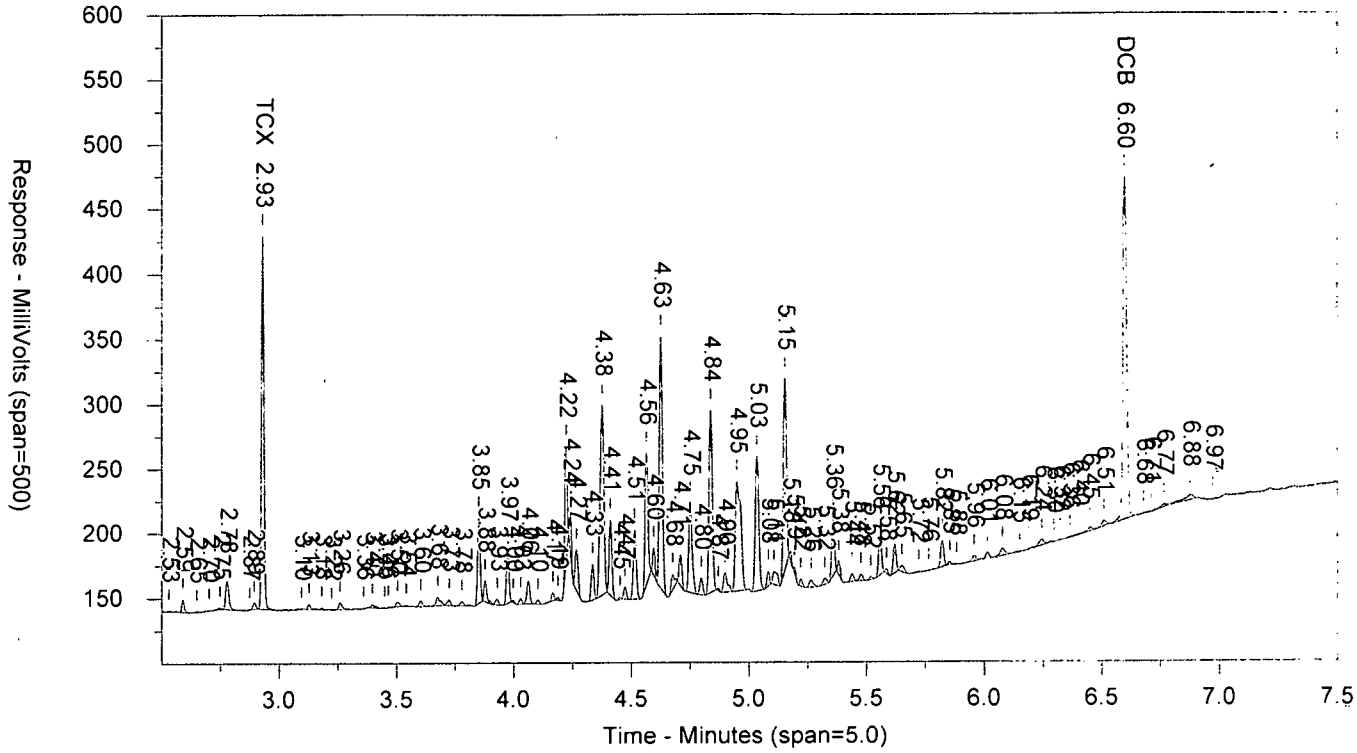

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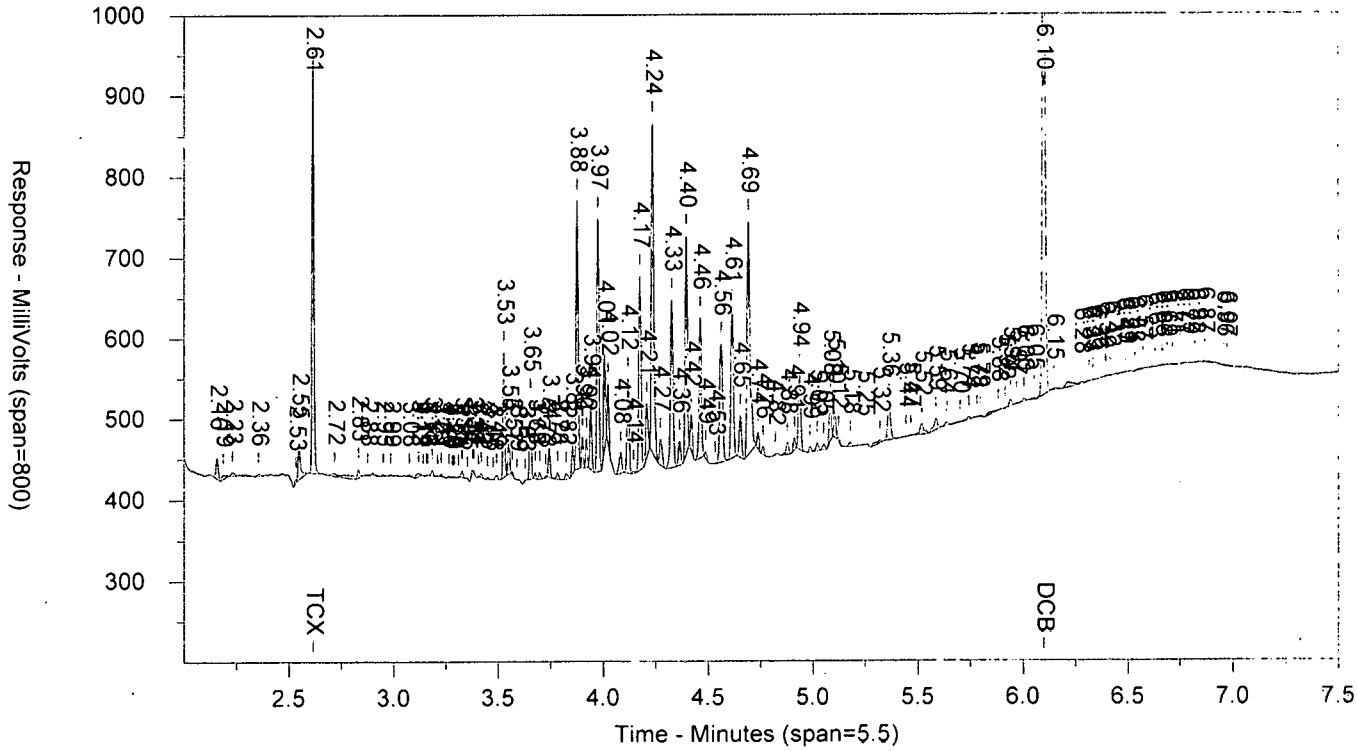

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.012		406	193
2.037		5517	5608
2.081		17904	36351
2.23		2603	2388
2.308		418	227
2.33		12256	8953
2.366		2568	3934
2.49		4555	5453
2.529		726	627
2.589		5440	3690
2.655		544	439
2.746		1457	1877
2.778		32537	33943
2.894		2700	2288
2.93	TCX	547796	382775
3.023		629	832
3.078		714	537
3.099		743	517
3.126		7205	5576
3.18		2706	2268
3.259		4345	5409
3.396		4302	6705
3.465		714	368
3.479		472	295
3.508		3951	3619
3.536		899	817
3.563		751	457
3.585		720	323
3.602		1686	1765
3.675		6524	9267
3.723		6664	5580
3.78		4714	4701
3.807		430	285
3.849		127438	96089
3.876		29932	21239
3.923		2010	1808
3.972		81728	60999
3.996		3034	1759
4.027		7059	5140
4.061		33053	27888
4.1		5983	4907
4.163		5414	3738
4.185		5045	3309
4.221		155321	114751
4.237		54403	29320
4.264		56402	47674
4.332		54315	44299
4.374		262634	304151
4.409		110236	90706
4.449		3815	2488
4.471		17965	14091
4.512		104874	94340
4.563		192291	168375
4.593		44117	29833

RT A	Compound A	Height A	Area A
4.623		368448	334982
4.673		16769	11948
4.688		4149	1647
4.707		50642	38042
4.749		126086	130498
4.794		25173	22706
4.835		265517	261606
4.866		3937	2339
4.895		30077	35799
4.947		161886	254535
4.996		2805	1992
5.032		198974	212465
5.079		21561	17006
5.104		9056	6085
5.152		265408	249077
5.172		11711	5268
5.189		8939	5735
5.218		9556	7681
5.261		11397	13314
5.324		2070	2326
5.356		89084	77986
5.38		21660	14841
5.41		756	340
5.437		11271	10170
5.475		9197	8770
5.515		3054	2987
5.555		58662	54050
5.579		6847	4979
5.616		44412	40878
5.645		2803	3259
5.725		414	588
5.819		41492	38241
5.85		5615	3847
5.956		2330	2849
6.012		6511	6593
6.076		7345	11390
6.142		451	369
6.166		390	113
6.243		4000	4574
6.28		1026	958
6.31		488	189
6.32		546	219
6.334		495	193
6.355		490	346
6.449		5746	7521
6.507		3739	4915
6.597	DCB	492552	507601
6.729		453	236
6.764		796	713
6.825		745	1226
6.855		585	594
6.875		3198	5818
6.974		467	386

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.158		15419	10235
2.187		2295	1946
2.233		4769	5638
2.354		2930	3849
2.411		1612	2404
2.532		6896	4713
2.548		64987	64313
2.615	TCX	974883	593318
2.714		2660	2279
2.767		1188	1515
2.833		16619	11368
2.885		941	1326
2.897		4343	2974
2.949		2816	1293
2.983		1868	2859
3.071		652	241
3.088		736	237
3.106		4659	2129
3.118		2104	1040
3.143		610	159
3.158		932	381
3.182		4219	3191
3.206		723	281
3.226		6111	3503
3.249		539	73
3.264		3053	1696
3.291		2734	1703
3.311		1947	1084
3.324		2947	2089
3.348		1745	1506
3.374		9550	4292
3.383		4814	2195
3.404		4484	1981
3.419		8893	5729
3.448		1572	845
3.481		647	145
3.492		8959	5055
3.526		282757	172758
3.55		86815	47923
3.567		8415	3691
3.584		931	1643
3.627		1066	595
3.636		666	162
3.652		181545	113195
3.676		13429	6871
3.697		16669	10736
3.725		4079	1975
3.741		71735	43065
3.783		15789	11519
3.823		12521	10777
3.852		62335	35183
3.874		630137	423604
3.9		66714	36958
3.918		67973	36841

RT B	Compound B	Height B	Area B
3.938		132602	82394
3.973		584168	401214
4.004		220437	135842
4.022		133212	72718
4.082		49113	38696
4.117		220921	165061
4.173		467136	336032
4.206		125613	96074
4.233		789607	596246
4.272		61912	56857
4.325		379000	328525
4.361		57658	44827
4.394		485922	367076
4.417		81553	50100
4.461		324867	252916
4.485		15309	8766
4.558		277362	281386
4.611		355398	290550
4.651		93496	78952
4.69		567747	552477
4.736		43098	25887
4.76		18402	11966
4.818		6230	7824
4.877		29568	26589
4.909		31186	20263
4.933		171735	138888
4.984		19751	15498
5.019		19074	15288
5.049		12416	9978
5.081		92883	66149
5.103		59012	39089
5.121		8394	4642
5.143		1883	1086
5.175		7834	6792
5.251		2186	3898
5.298		1192	1948
5.318		3067	3028
5.359		85406	81306
5.408		737	308
5.437		1376	738
5.473		880	1300
5.517		14152	12311
5.563		4291	2937
5.585		14474	12040
5.633		7012	6925
5.679		674	561
5.739		5488	4169
5.787		981	267
5.853		903	3000
5.872		1528	1257
5.907		1436	1374
5.938		15154	12985
5.977		1120	817
6.002		3690	3016
6.049		1333	1237
6.097	DCB	1472184	1287088
6.218		4390	6289
6.282		1346	728
6.342		870	3626
6.35		1320	636
6.406		957	960
6.42		816	290
6.483		898	1360
6.546		2276	2099
6.565		1114	404
6.587		1089	519

RT B	Compound B	Height B	Area B
6.611		837	304
6.67		2411	5220
6.724		1274	956
6.773		1241	1767
6.781		1071	464
6.871		1178	679
6.91		1221	319
6.924		1438	865

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

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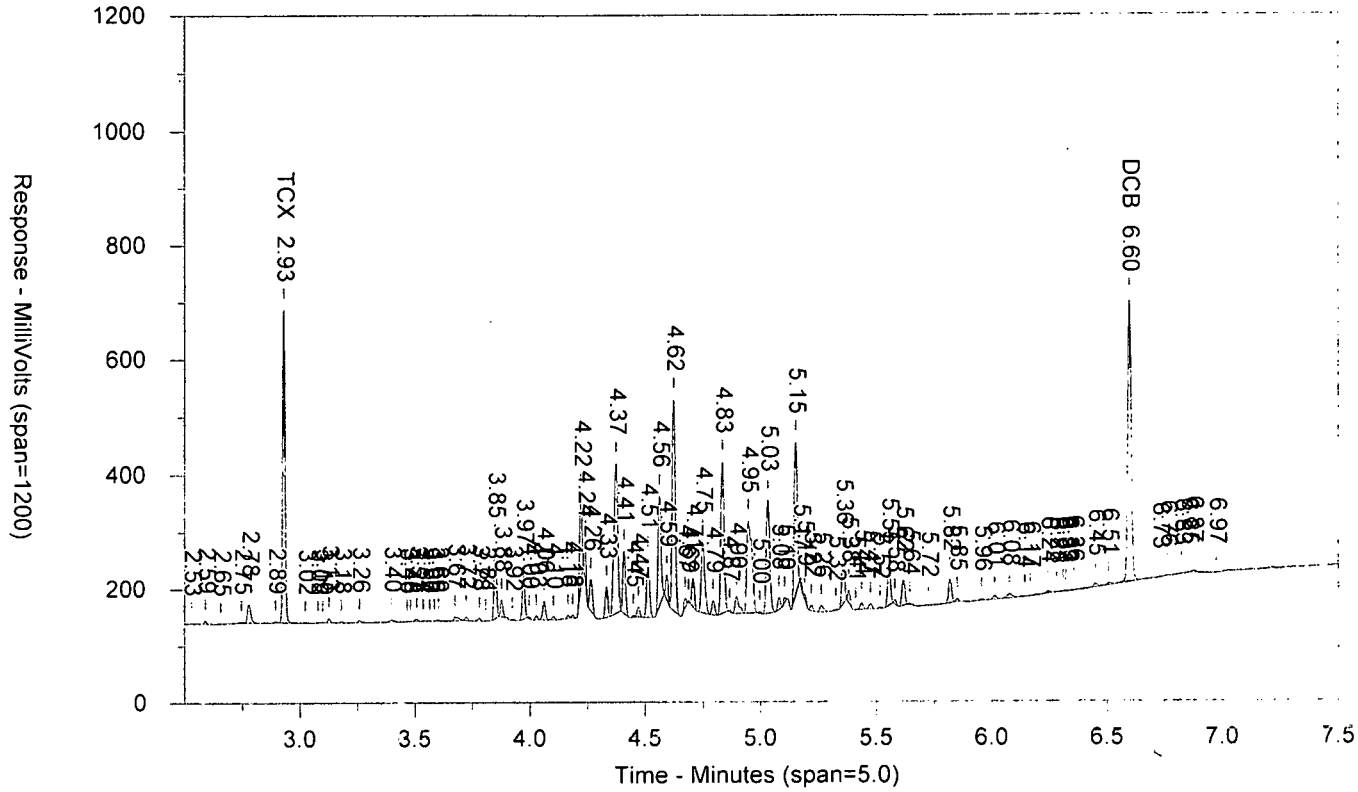

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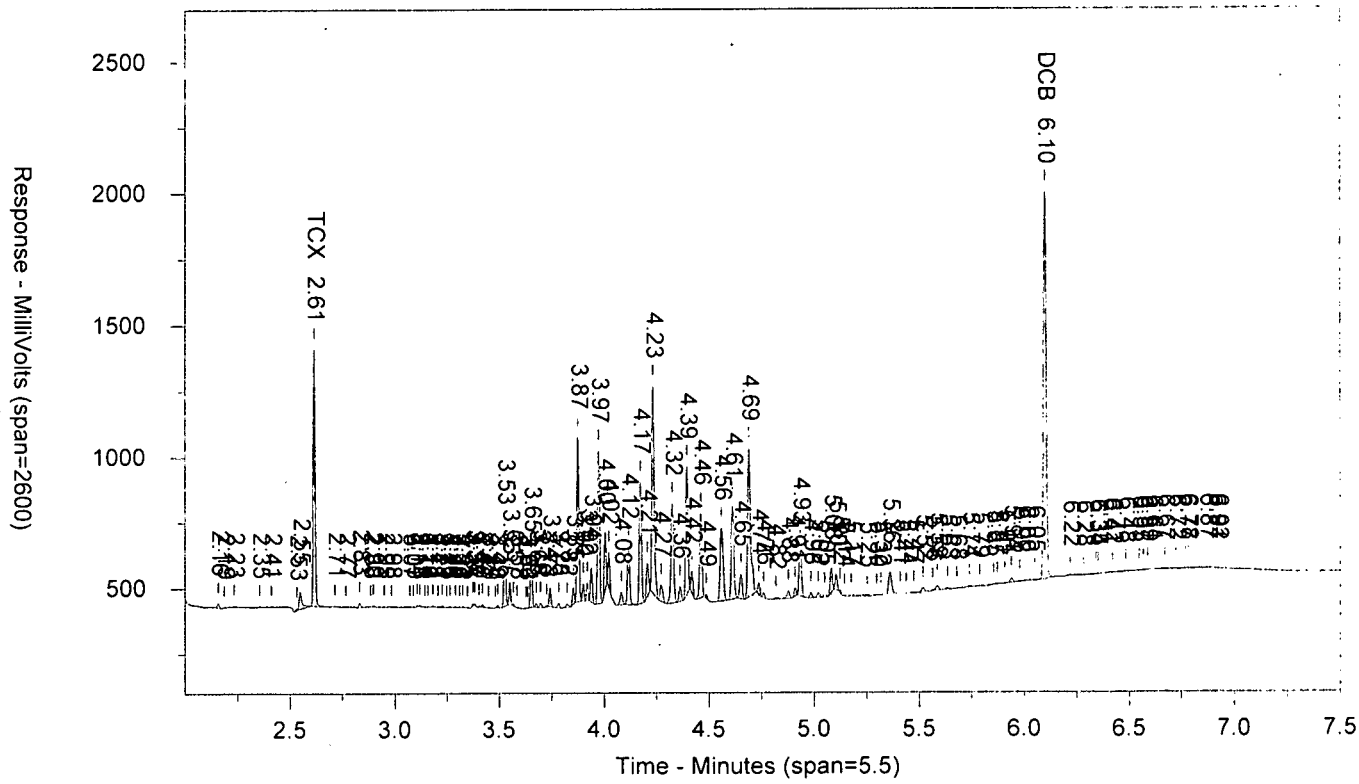

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:18:07 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	547796	3.735	TCX	2.615	974883	3.664	TCX
6.597	492552	4.311	DCB	6.097	1472184	3.976	DCB

Files:
Area File: 25PCBs17289001.020.RAW
Area File: 25PCBs17289001B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:26:39 PM
File Reported On: 10/16/2017 at 10:26:53 PM

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

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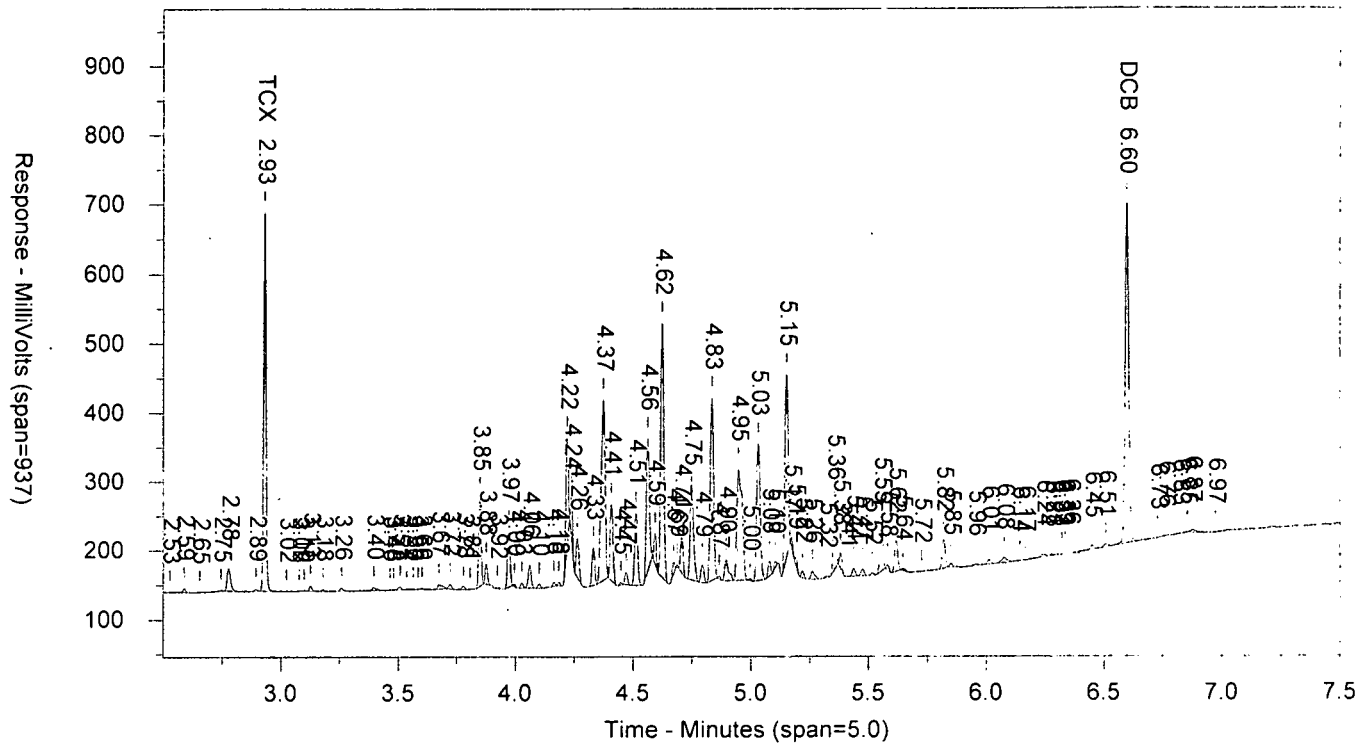

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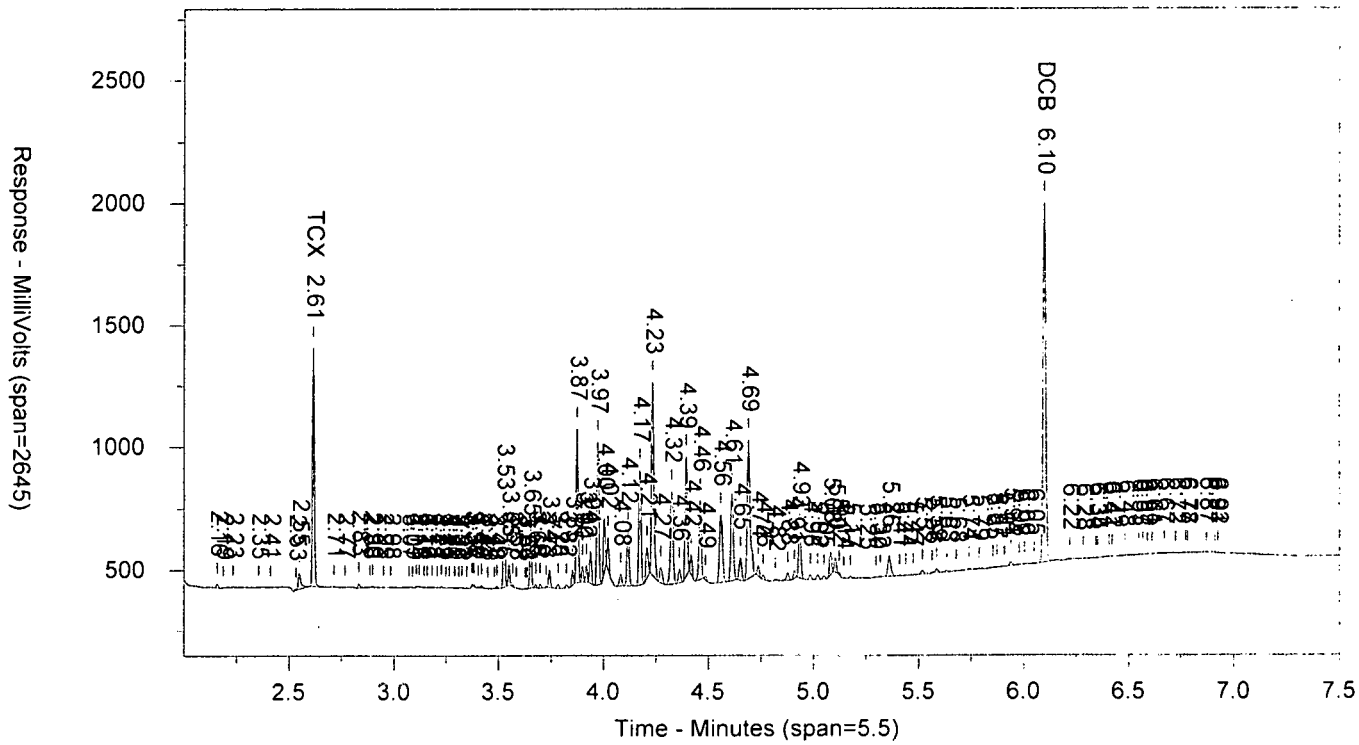

AR5421724C AAAR542AA ICAL 1728899999 10225 SW-846 8082

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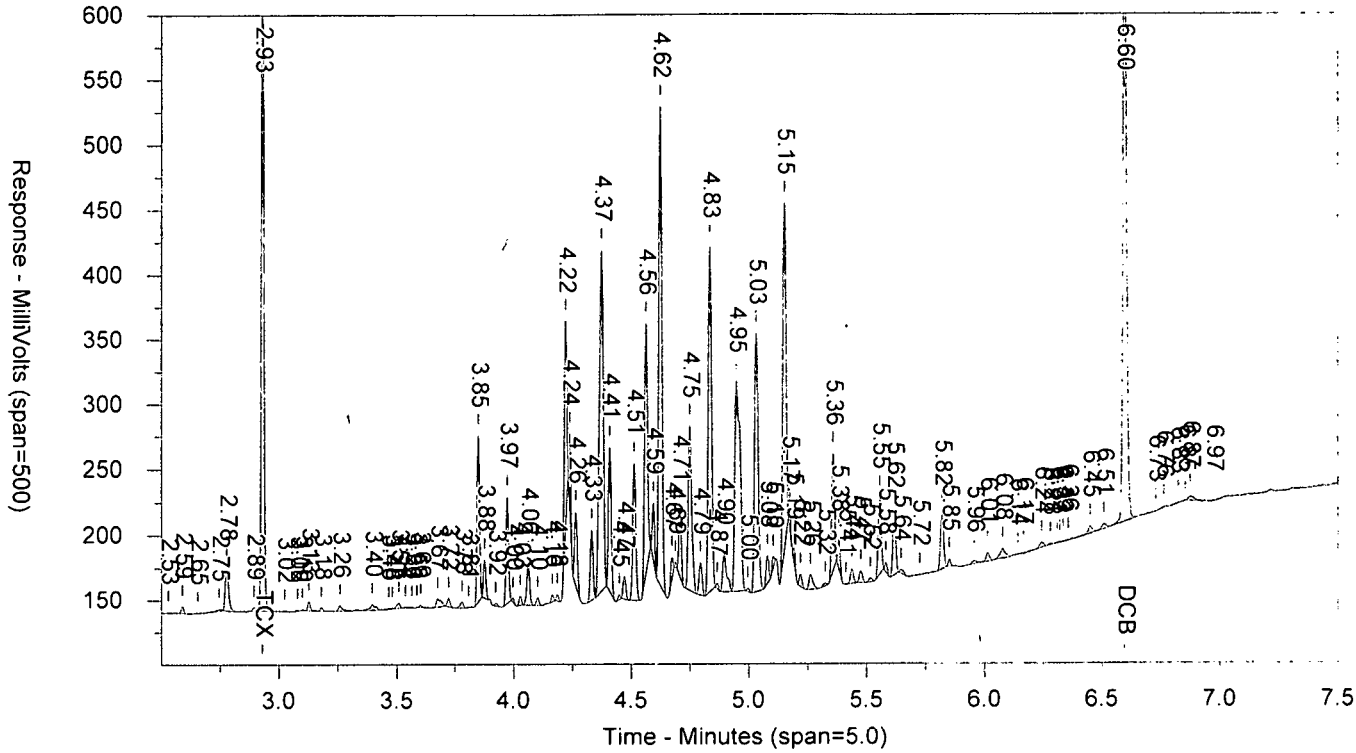

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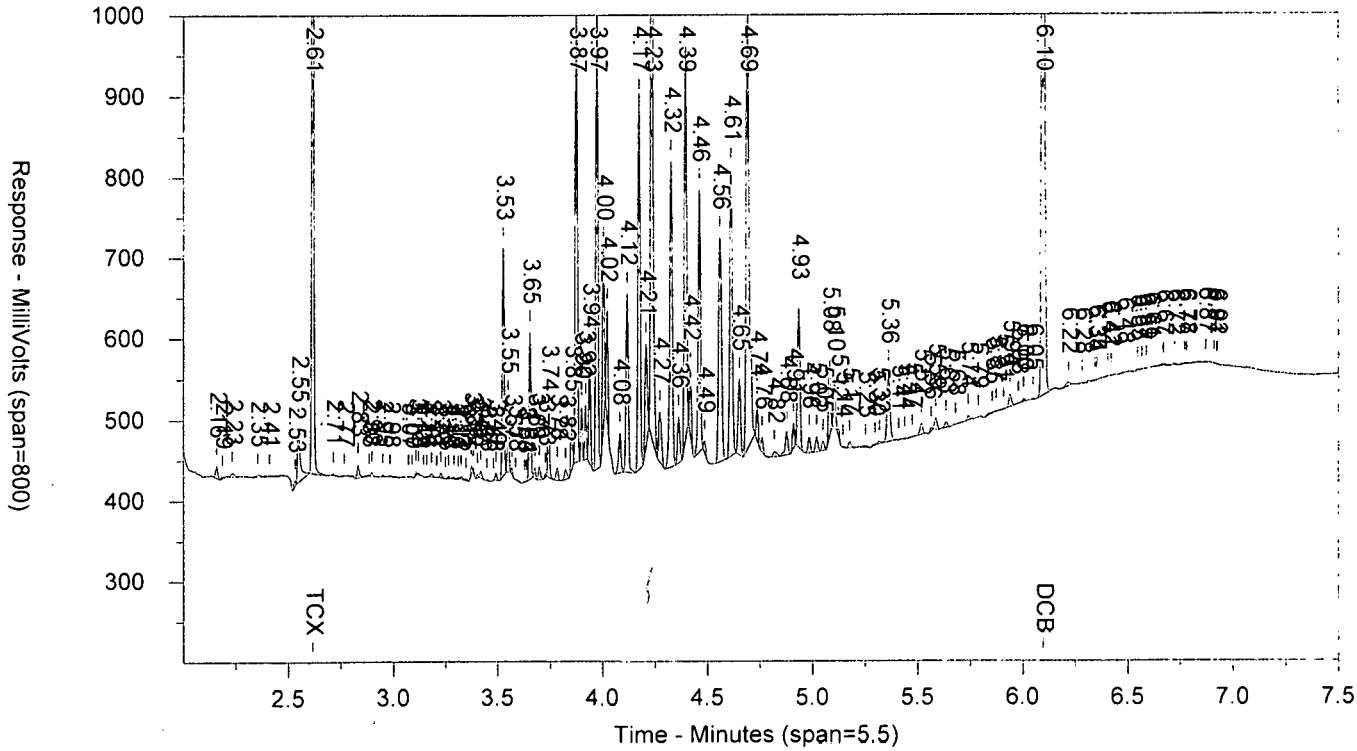

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 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: 25PCBs17289001.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		7459	7469
2.083		12242	25051
2.165		1416	1662
2.207		291	124
2.231		5258	4771
2.331		14107	10555
2.367		2430	2327
2.49		5721	6473
2.534		948	701
2.565		660	439
2.59		4222	2859
2.647		489	226
2.691		404	331
2.709		585	217
2.749		1554	2376
2.778		20197	19188
2.874		394	187
2.895		3345	2848
2.931	TCX	1163843	797911
3.024		873	802
3.079		1304	2161
3.127		15825	11091
3.181		4475	2983
3.259		5910	5163
3.338		428	434
3.367		466	262
3.396		5908	3618
3.412		2057	1227
3.465		1195	770
3.482		464	188
3.509		6876	6227
3.539		933	689
3.567		2387	1366
3.587		1304	626
3.603		1835	1088
3.678		6853	3978
3.689		3040	2429
3.726		12262	9318
3.782		8710	7244
3.824		1044	702
3.852		231522	178658
3.879		61109	41382
3.901		4220	1911
3.926		2875	2460
3.974		148184	116508
3.998		6683	3704
4.03		13676	9970
4.063		66148	54397
4.103		11571	9516
4.146		450	678
4.167		5358	3554
4.188		10867	7614
4.223		296267	212208
4.24		101341	54918

RT A	Compound A	Height A	Area A
4.267		105752	89843
4.334		107704	86952
4.376		496918	568712
4.411		199392	171128
4.451		7242	4545
4.473		35334	27388
4.515		197572	179130
4.565		369371	315056
4.595		81028	57598
4.626		698269	639977
4.675		35809	24933
4.691		6637	2630
4.709		96526	72104
4.751		224080	247216
4.796		52069	44790
4.837		510537	496363
4.867		7123	4521
4.897		58953	70789
4.949		298170	471014
4.998		6140	4359
5.034		372310	407664
5.082		45437	34586
5.107		12324	9213
5.118		15463	9977
5.153		517130	472703
5.175		23299	10031
5.192		18242	11539
5.22		17582	13716
5.262		21411	26058
5.328		2217	2314
5.358		162867	146560
5.382		40725	28400
5.414		920	465
5.438		22456	19491
5.477		19140	18000
5.516		5530	5073
5.556		116170	105952
5.581		15238	10238
5.617		84021	80323
5.644		2878	4240
5.721		1102	1556
5.822		79194	73912
5.851		10644	8023
5.878		1317	881
5.957		2718	3847
6.013		12485	11509
6.076		12931	19842
6.142		499	233
6.215		634	1053
6.247		5979	7159
6.292		692	853
6.328		499	406
6.346		576	248
6.372		550	210
6.395		515	291
6.451		10602	11645
6.511		3703	4922
6.599	DCB	935359	1008915
6.654		436	174
6.686		552	196
6.768		921	742
6.791		554	230
6.833		753	1113
6.884		4136	9375
6.979		562	290

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 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: 25PCBs17289001B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		3963	3412
2.158		12762	9293
2.205		2007	5060
2.231		4217	4761
2.291		1748	2428
2.358		2225	2053
2.413		1674	1400
2.471		9806	40928
2.533		5486	4539
2.548		36501	30205
2.615	TCX	2050759	1232317
2.715		2671	4121
2.785		2945	4916
2.832		33171	21171
2.897		9059	6437
2.948		6453	3669
3.013		1672	1077
3.066		1066	342
3.081		707	127
3.09		912	269
3.106		9617	5002
3.117		2749	891
3.156		1600	587
3.183		5411	4218
3.202		1282	309
3.21		988	274
3.227		12895	7952
3.264		5654	3406
3.277		1048	277
3.292		5753	2766
3.31		3515	1679
3.326		4926	2733
3.352		2052	1020
3.376		14195	7371
3.384		6803	2629
3.404		7956	3785
3.419		16133	10650
3.45		2168	1055
3.468		1396	309
3.493		19036	12106
3.528		514181	318877
3.551		153195	88559
3.568		16759	7231
3.627		805	370
3.631		677	185
3.655		345139	210945
3.677		25257	13503
3.699		32461	21972
3.727		10253	4828
3.744		131525	81566
3.784		31323	22550
3.824		25717	21364
3.854		116990	67590
3.876		1214304	798805

RT B	Compound B	Height B	Area B
3.901		125418	71170
3.921		125858	68845
3.94		229534	144037
3.974		1135846	760084
4.006		412508	257546
4.023		236576	128908
4.084		91395	69264
4.119		418907	310376
4.175		904764	646157
4.208		241843	179081
4.235		1556351	1156790
4.274		116581	109765
4.327		729442	621769
4.363		114026	87077
4.395		1042275	720047
4.419		148266	96560
4.462		624759	478096
4.487		32284	17749
4.561		538456	538180
4.613		740049	574302
4.653		188200	149747
4.691		1140145	1065042
4.737		80349	51434
4.762		38582	26040
4.821		12449	15042
4.878		58479	52513
4.911		56223	38680
4.934		345925	268812
4.985		41738	32610
5.02		36412	29335
5.051		24224	19383
5.082		180508	126260
5.104		115809	74416
5.122		17672	8874
5.145		3321	1602
5.177		13761	11779
5.22		853	291
5.237		843	411
5.318		7008	9864
5.36		161432	154940
5.487		1138	3135
5.518		28497	25220
5.565		8013	5282
5.586		22922	18257
5.636		12116	11092
5.687		1064	692
5.709		1107	311
5.742		10555	8590
5.8		2749	4688
5.878		1016	7308
5.94		28795	25841
6.004		3878	5116
6.055		1387	1536
6.098	DCB	2995622	2620939
6.19		1248	370
6.213		5778	12235
6.307		847	307
6.359		1175	952
6.37		1246	359
6.41		1791	2421
6.436		1224	865
6.478		1239	1458
6.509		1462	1747
6.55		3915	3966
6.579		1017	479
6.614		1051	522

RT B	Compound B	Height B	Area B
6.625		1291	418
6.674		2052	2204
6.696		1181	903
6.724		1973	2475
6.791		684	319
6.798		1177	363
6.986		1209	373

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

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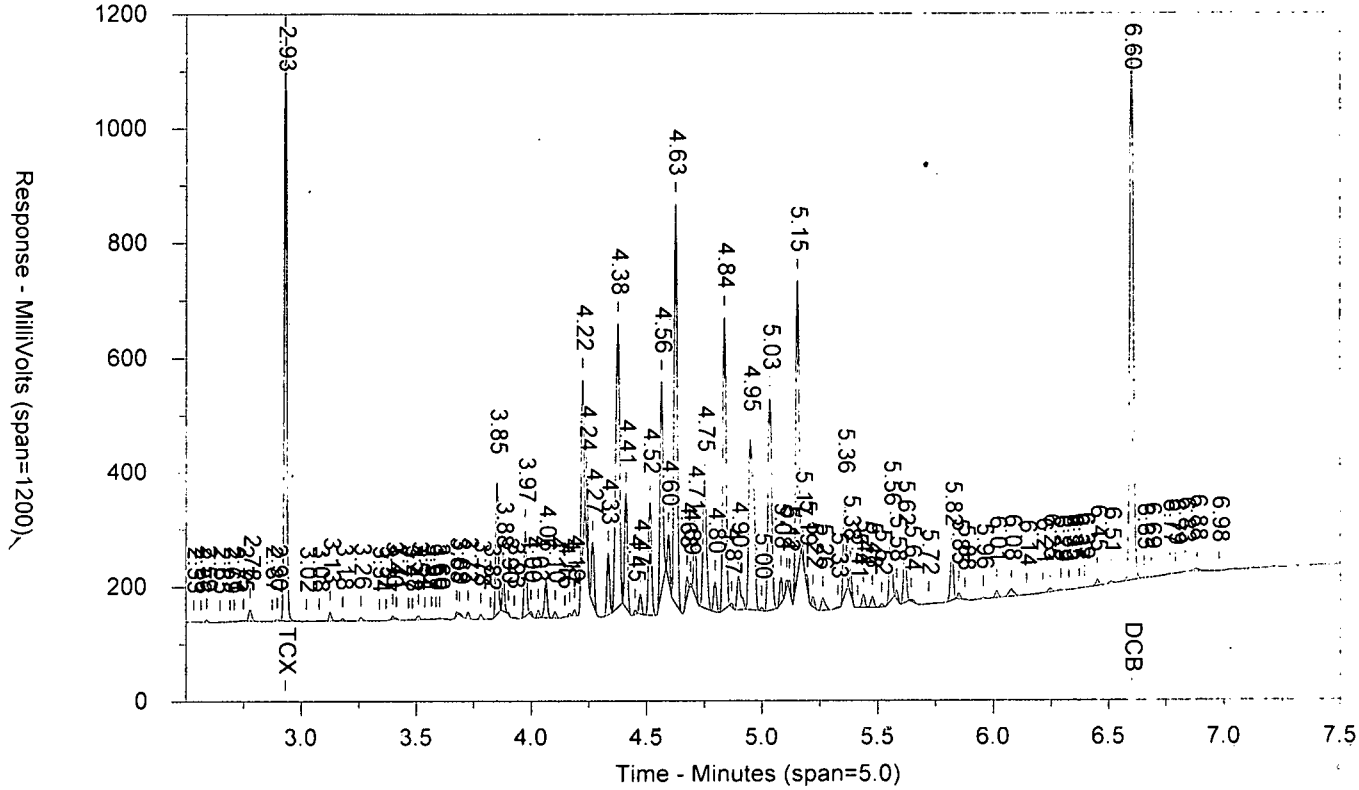

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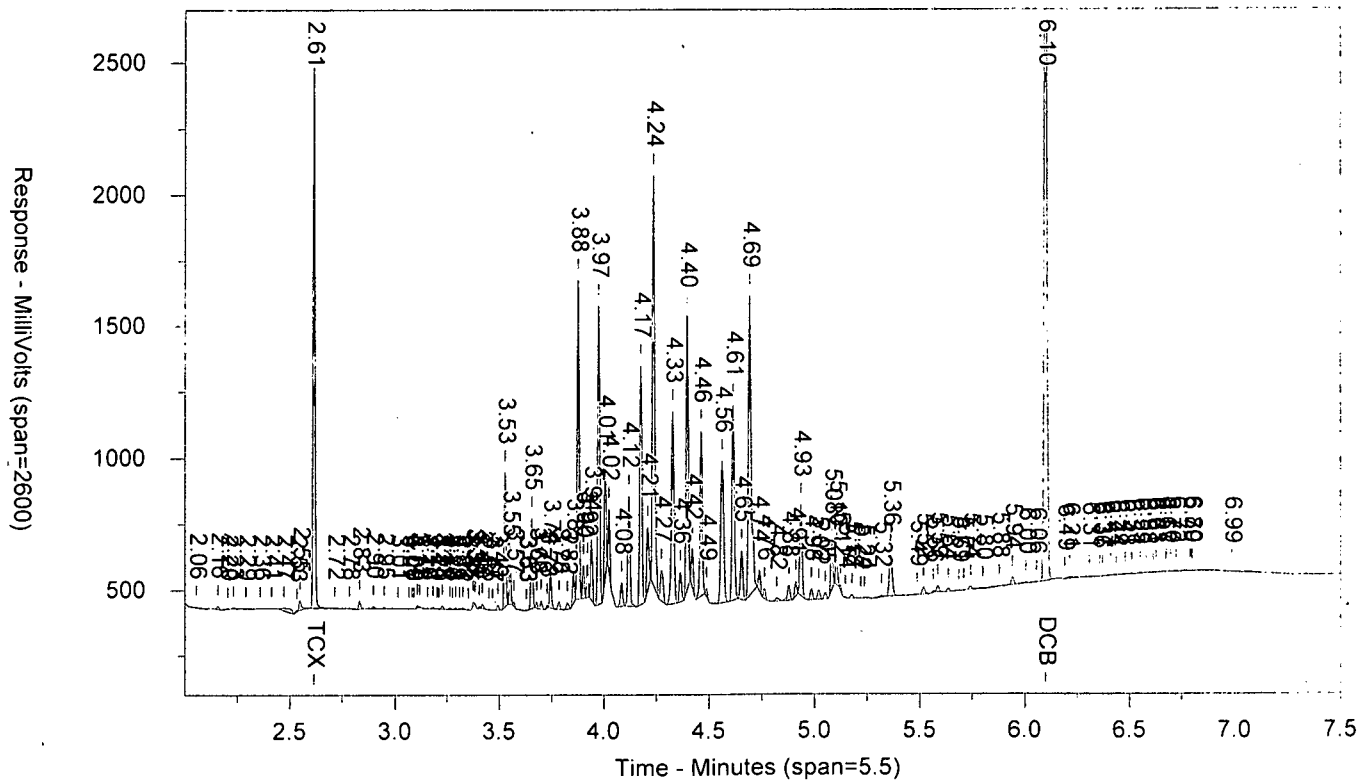

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:29:26 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
2.931	1163843	7.934	TCX	2.615	2050759	7.708	TCX
6.599	935359	8.187	DCB	6.098	2995622	8.091	DCB

Files:
Area File: 25PCBs17289001.021.RAW
Area File: 25PCBs17289001B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:37:56 PM
File Reported On: 10/16/2017 at 10:38:05 PM

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

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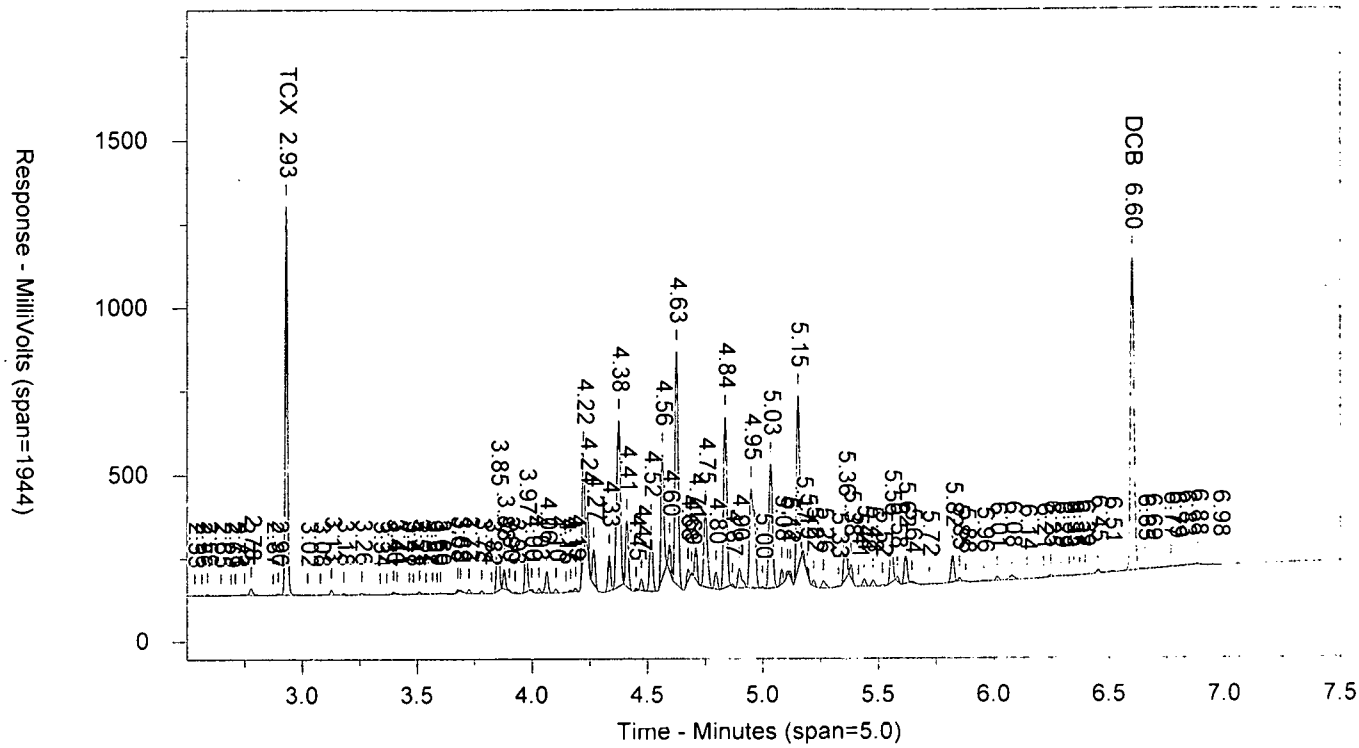

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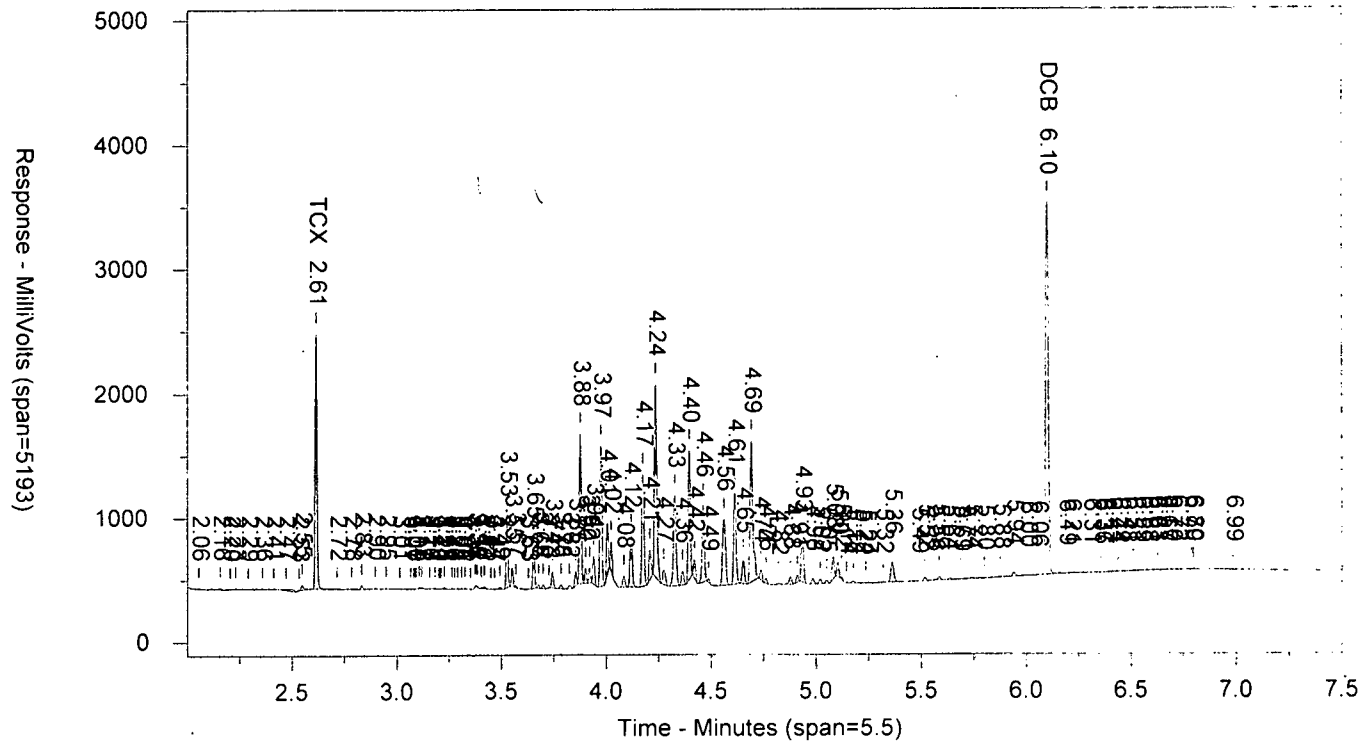

AR5431724C AAAR543AA ICAL 1728899999 10225 SW-846 8082

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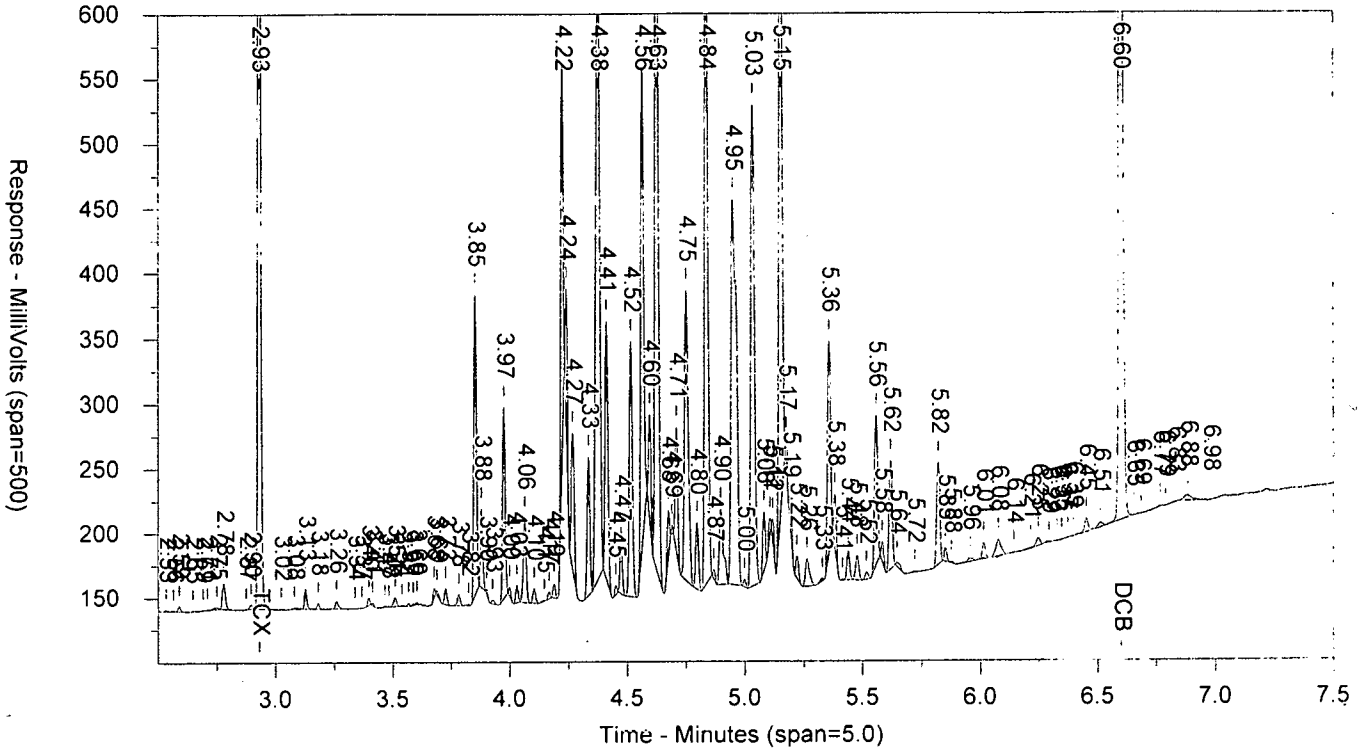

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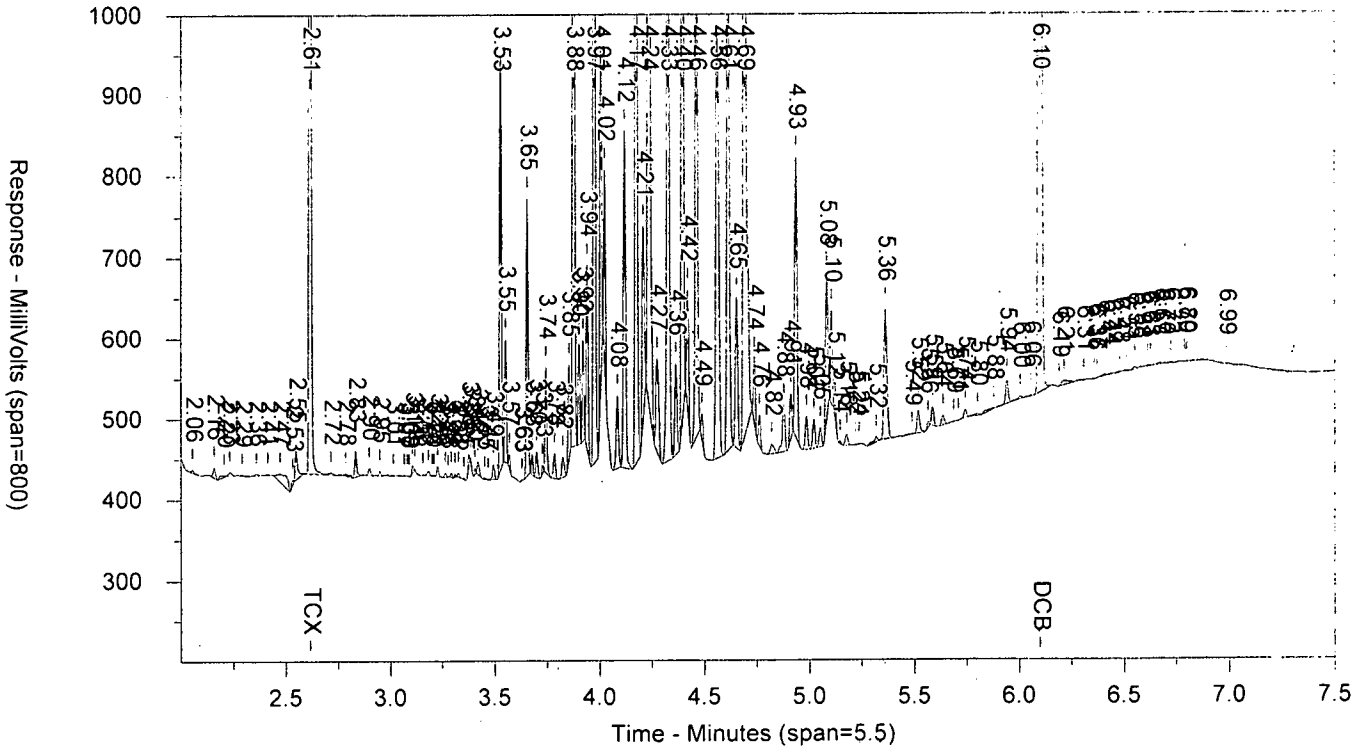

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		8229	8133
2.084		9901	21270
2.231		12794	8817
2.33		19114	15818
2.366		2328	4138
2.489		5632	6273
2.534		1782	1423
2.588		906	444
2.653		568	629
2.712		533	334
2.751		764	882
2.778		16675	15191
2.85		707	517
2.896		4756	3961
2.931	TCX	2960514	1997235
3.026		1280	1320
3.077		2311	2986
3.127		37154	25817
3.181		10688	7393
3.225		303	266
3.258		12179	11683
3.338		854	1237
3.396		14120	8580
3.412		5397	3094
3.448		729	335
3.466		1998	1738
3.51		15984	12967
3.539		547	425
3.567		6476	3885
3.586		3563	1741
3.603		2740	1517
3.619		2363	1127
3.635		1235	679
3.677		15710	8590
3.689		8230	6779
3.726		27895	20793
3.782		19567	16329
3.824		2375	1543
3.851		542583	411708
3.878		141146	96852
3.899		8233	4474
3.927		5033	4109
3.974		342985	269214
3.998		15880	8804
4.029		30815	22861
4.063		152155	131334
4.102		28346	23519
4.138		1733	1124
4.166		4166	2399
4.188		26138	20073
4.223		745404	514975
4.24		249232	136178
4.266		236311	193865
4.334		233198	199412

RT A	Compound A	Height A	Area A
4.377		1201939	1324490
4.411		457354	383454
4.451		15873	10510
4.473		85916	66922
4.514		447549	410552
4.564		861164	756811
4.595		190470	130862
4.625		1668613	1522404
4.675		74006	52914
4.689		16543	6368
4.708		201121	160803
4.75		548174	561072
4.796		120997	109629
4.837		1241613	1180916
4.868		20178	11995
4.897		135733	172814
4.949		676998	1079522
5		14462	10192
5.034		913045	979769
5.082		106691	82887
5.106		89469	135437
5.153		1264105	1110302
5.175		62495	30411
5.22		46447	36326
5.263		53040	63177
5.331		3891	4456
5.358		383036	332305
5.381		89404	63968
5.414		2486	1266
5.438		51263	48298
5.477		48067	44388
5.517		11106	10280
5.556		267755	245659
5.582		36985	24626
5.617		196407	186193
5.648		7430	9860
5.717		1383	1630
5.774		509	342
5.821		169521	170441
5.851		26207	20897
5.879		2490	1600
5.926		520	497
5.96		5277	7346
6.014		27564	27793
6.076		27293	44799
6.156		553	595
6.246		14824	17520
6.291		900	774
6.346		378	1293
6.393		342	1311
6.451		23590	25339
6.51		5929	8604
6.598	DCB	2152563	2295680
6.678		427	93
6.742		675	226
6.766		3180	4269
6.804		529	288
6.826		878	911
6.878		5083	15074
6.955		766	254
6.97		401	201

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		9034	7682
2.207		5316	10060
2.231		4783	5864
2.355		2862	3466
2.414		2822	2148
2.491		3045	2990
2.518		3001	1644
2.547		29025	22697
2.589		1375	675
2.615	TCX	5178497	3064377
2.784		5864	10326
2.832		75745	47680
2.899		20621	13152
2.949		12978	10349
3.01		3217	2012
3.069		899	214
3.082		548	103
3.106		22523	11004
3.117		6009	2123
3.157		2548	1221
3.18		9241	7207
3.204		2025	1192
3.227		29391	19910
3.264		12869	7384
3.291		15802	8425
3.31		7796	3785
3.326		6544	3588
3.352		2912	1065
3.375		37261	18618
3.385		17391	7106
3.405		20579	9170
3.419		37586	23806
3.45		3367	1677
3.493		43477	28824
3.528		1201787	727531
3.551		350923	201339
3.569		41614	19012
3.632		1271	1596
3.654		764594	484337
3.677		62533	31650
3.698		75666	50517
3.727		22035	10136
3.744		299114	188734
3.784		74306	50873
3.824		57313	47652
3.854		263794	156334
3.876		2906028	1863098
3.901		305919	171595
3.921		296742	160449
3.94		537144	321646
3.975		2752112	1820419
4.006		1039532	620532
4.023		592561	310273
4.084		196040	149091

RT B	Compound B	Height B	Area B
4.118		980924	716164
4.175		2174109	1582991
4.208		590616	431945
4.236		4016165	2874870
4.273		268510	253632
4.326		1809147	1475160
4.363		265841	203600
4.395		2457273	1735733
4.419		345080	225769
4.462		1475738	1128040
4.487		76725	43940
4.561		1322599	1281185
4.613		1823462	1437904
4.653		422502	355960
4.692		2641970	2500893
4.738		195153	122544
4.761		85673	58693
4.821		31243	34532
4.861		6126	3445
4.878		133498	99117
4.911		130061	88929
4.935		843886	645444
4.985		90377	75354
5.02		85773	69967
5.051		56259	44416
5.083		407714	309111
5.104		267664	178066
5.122		41489	21465
5.146		8923	4481
5.176		27050	24423
5.218		1051	463
5.244		2583	5191
5.297		3000	3476
5.319		15005	11801
5.362		368638	373469
5.447		1363	431
5.465		1704	1270
5.518		59934	56317
5.565		19905	13522
5.586		50112	38093
5.636		26172	22796
5.691		1007	1223
5.714		1295	703
5.742		25246	23132
5.869		1597	9963
5.899		1171	1287
5.94		66541	56020
5.971		2988	1844
6.006		3461	3210
6.03		1066	533
6.05		2992	2697
6.098	DCB	7029089	6081205
6.215		5086	9465
6.277		3306	3975
6.335		1153	4053
6.37		1040	609
6.391		1408	356
6.411		1234	241
6.436		1492	1642
6.484		1658	1610
6.505		1757	1627
6.548		9140	9253
6.612		1007	267
6.622		1396	487
6.663		1228	1349
6.72		2711	4889

RT B	Compound B	Height B	Area B
6.8		1749	5093
6.872		1486	2077
6.916		1016	449
6.958		1223	301

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

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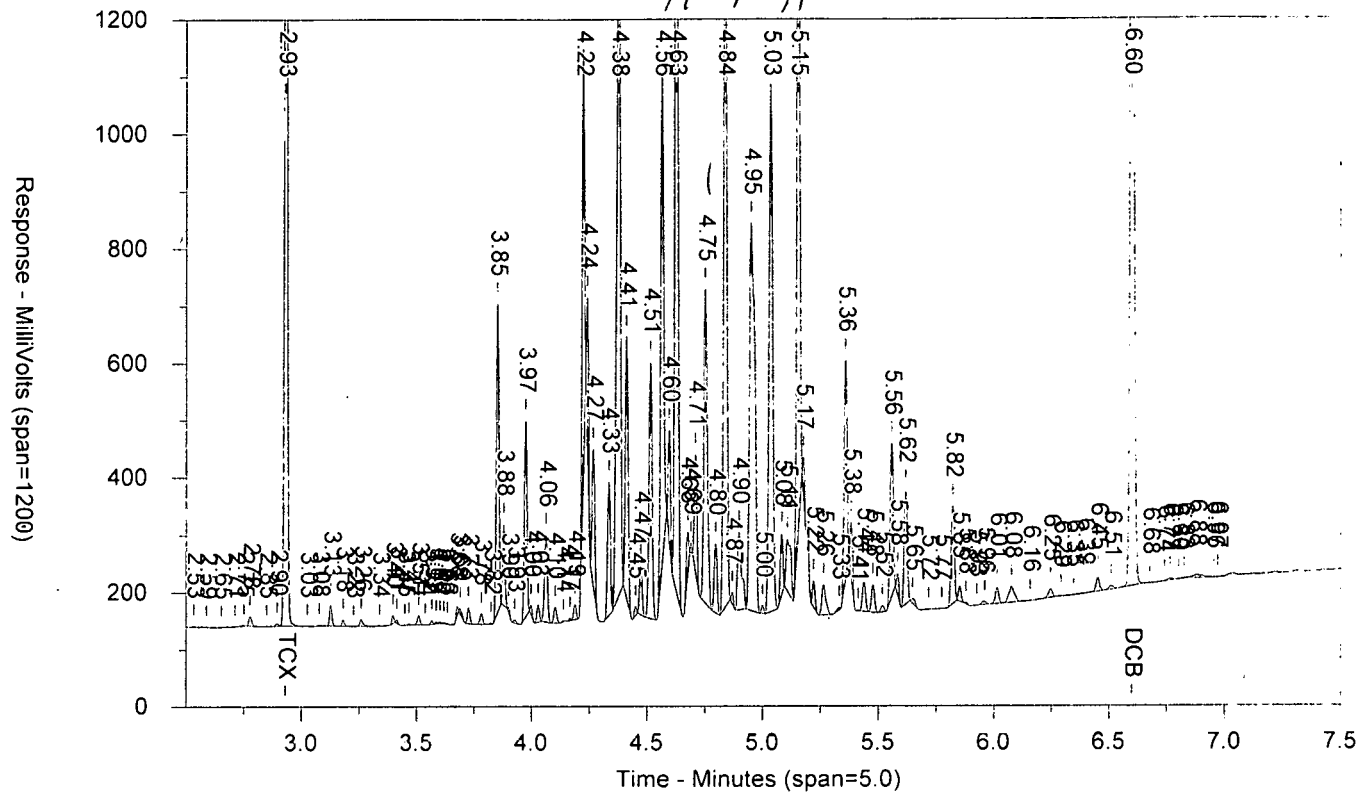

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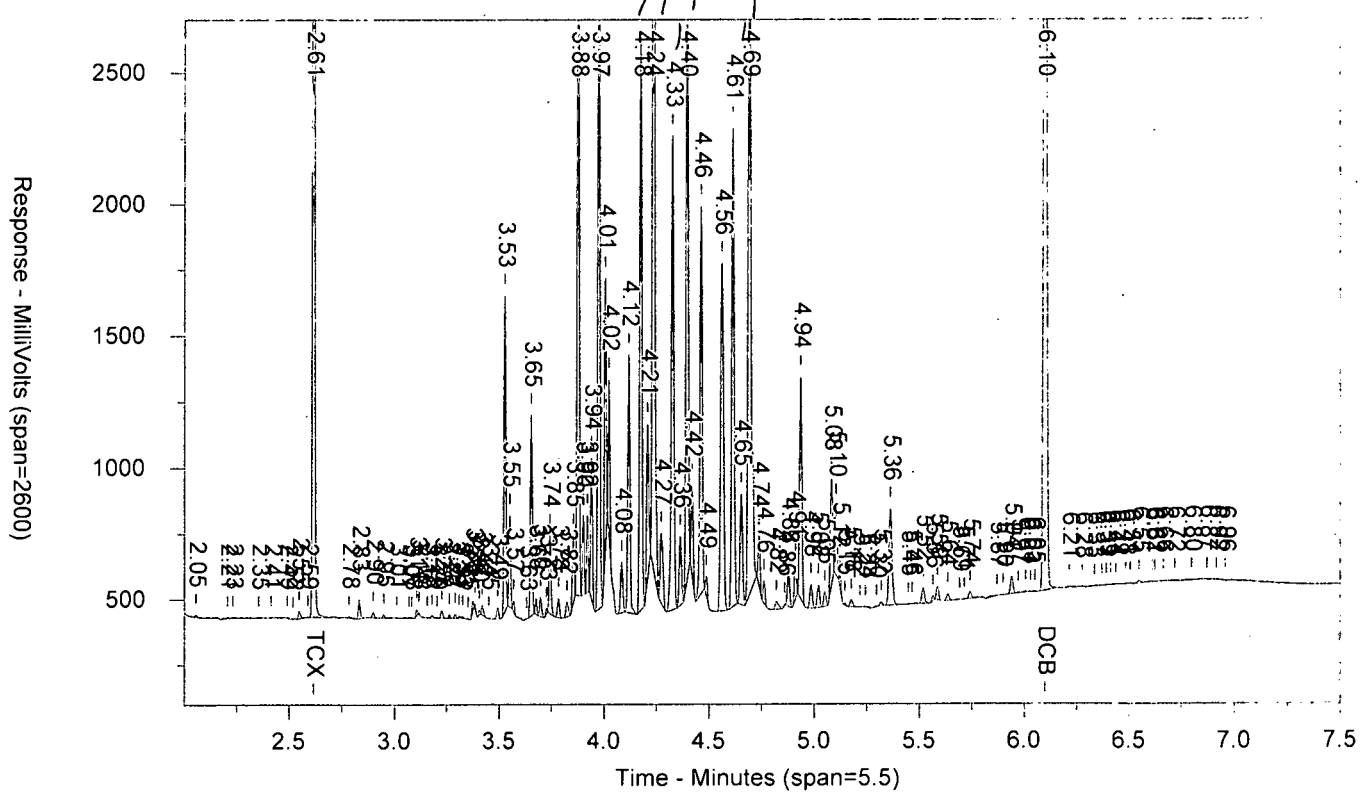

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:40:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	2960514	20.183	TCX	2.615	5178497	19.464	TCX
6.598	2152563	18.84	DCB	6.098	7029089	18.986	DCB

Files:
Area File: 25PCBs17289001.022.RAW
Area File: 25PCBs17289001B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 10:49:15 PM
File Reported On: 10/16/2017 at 10:49:23 PM

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

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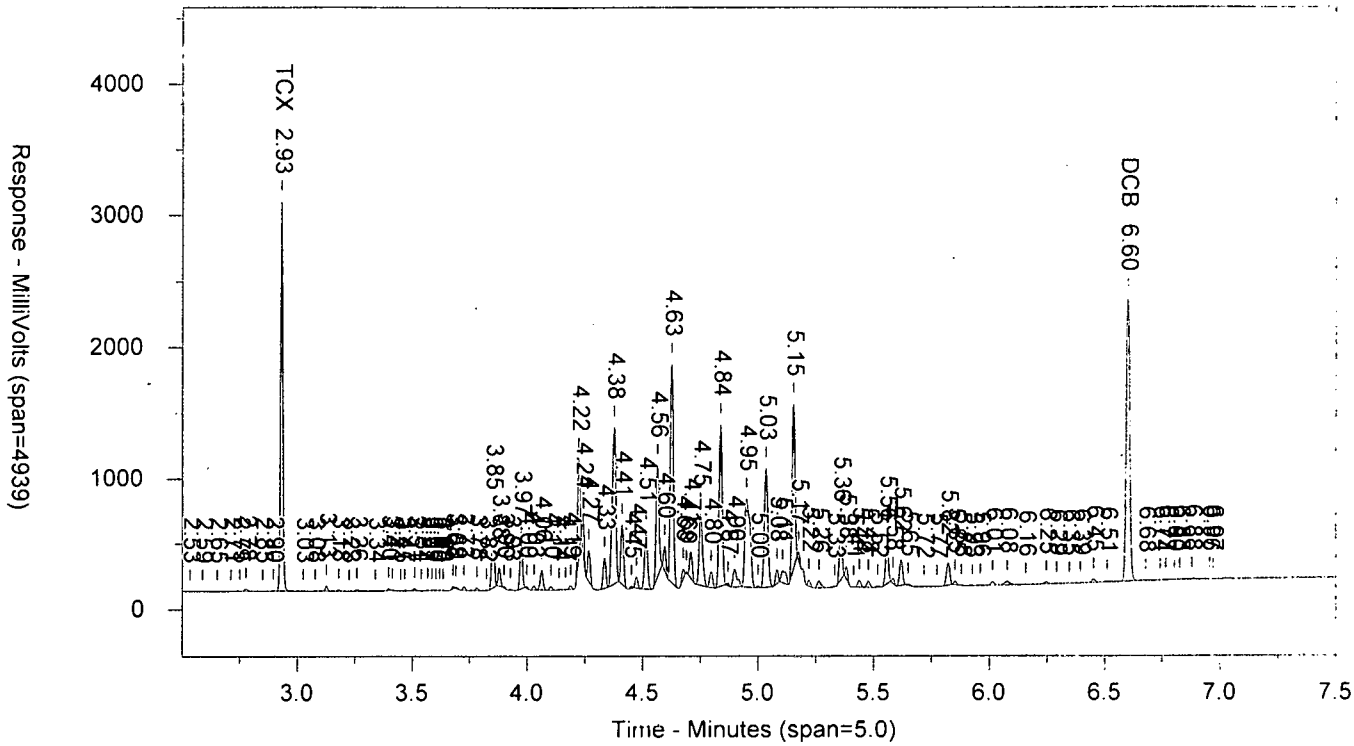

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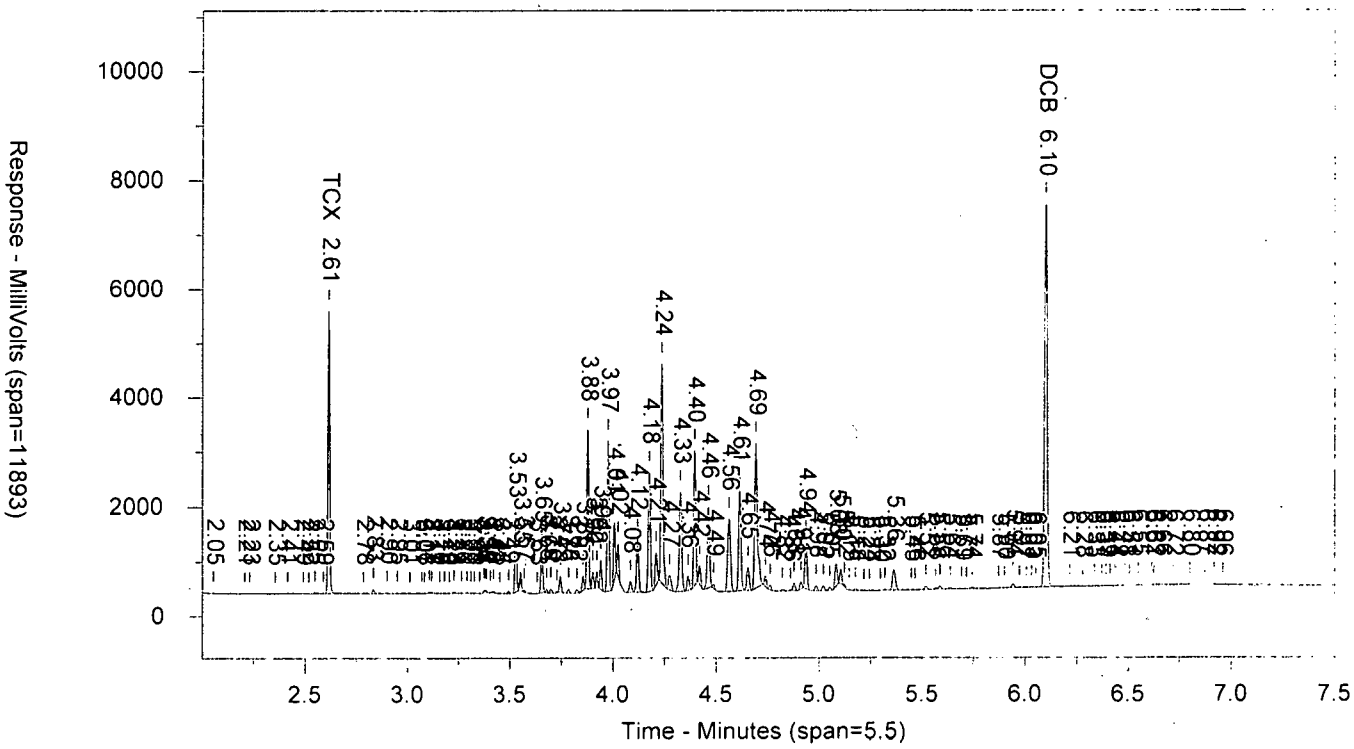

AR5441724C AAAR544AA ICAL 1728899999 10225 SW-846 8082

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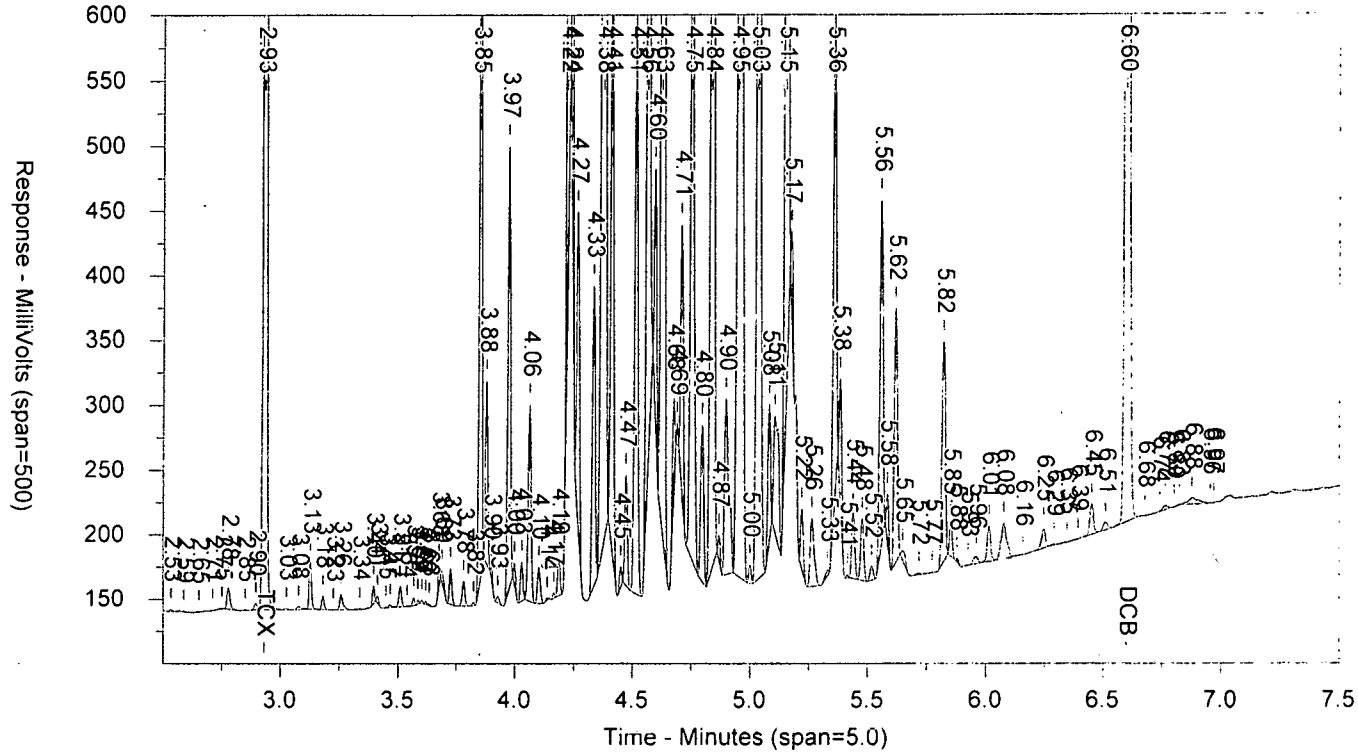

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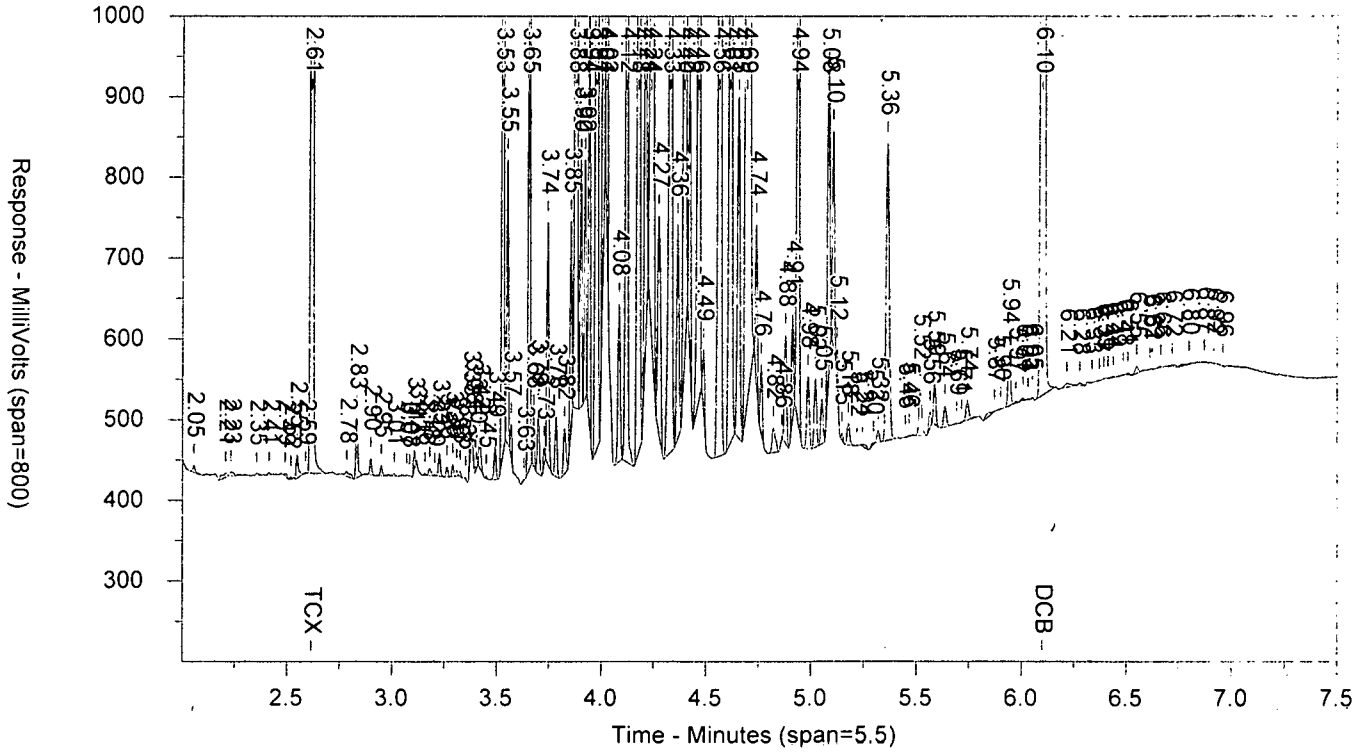

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		8073	7816
2.083		27709	50633
2.203		308	139
2.231		25132	19393
2.301		573	286
2.332		13068	14344
2.366		2086	2463
2.49		5982	7083
2.534		746	668
2.589		7088	4991
2.651		937	582
2.712		350	336
2.748		1448	1866
2.778		41917	46706
2.894		3926	3377
2.93	TCX	5918431	4073520
3.027		1723	1191
3.076		4965	5093
3.126		73160	51295
3.181		19915	14153
3.226		376	140
3.257		17090	15226
3.34		318	565
3.396		27067	16590
3.412		10611	5387
3.449		1602	857
3.465		4488	3665
3.51		29131	23274
3.567		11686	6939
3.586		9772	6111
3.62		5844	3040
3.635		2718	1209
3.677		30795	16789
3.689		15961	12457
3.726		56191	42049
3.782		37333	29686
3.824		5262	3193
3.852		1025299	777006
3.878		251998	209633
3.927		2853	1892
3.975		655516	506957
3.998		31770	17519
4.03		61133	43988
4.063		276097	247250
4.103		55772	46389
4.139		6904	7482
4.167		3598	1949
4.188		56317	41019
4.223		1370287	1001524
4.24		493630	278517
4.266		425603	352027
4.335		440520	371348
4.377		2454454	2593445
4.411		874470	729508

RT A	Compound A	Height A	Area A
4.452		33664	21166
4.473		157152	125916
4.515		869314	778089
4.565		1703867	1492567
4.596		370960	250797
4.626		3408002	3046168
4.675		147512	101034
4.69		26344	9760
4.709		382849	307312
4.751		1007231	1053888
4.797		225993	205952
4.837		2551381	2334475
4.868		39738	25022
4.898		246430	321747
4.949		1310933	2053158
5		30363	21111
5.034		1816556	1953293
5.082		193685	153238
5.107		159801	243402
5.153		2479515	2223320
5.175		119988	53357
5.192		57186	35172
5.22		81344	64725
5.263		100992	124291
5.334		3138	2036
5.358		722524	637618
5.382		151342	109670
5.414		4217	2139
5.438		100555	92351
5.477		88010	86580
5.517		23527	21305
5.556		520931	469281
5.581		62031	44724
5.617		387686	424824
5.719		2657	4494
5.778		889	964
5.821		327564	318420
5.851		49428	39958
5.918		761	436
5.957		3160	3973
6.013		53049	56029
6.077		52689	90186
6.156		284	373
6.172		397	260
6.208		740	1489
6.247		24071	25134
6.292		1774	2051
6.328		704	545
6.379		1439	1643
6.45		45381	48994
6.51		3857	5370
6.598	DCB	4382563	4526988
6.704		914	1242
6.748		191	69
6.771		896	1101
6.826		1233	486
6.856		336	674
6.878		3460	6232
6.958		424	163
6.972		610	159
6.988		907	685

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		19137	14002
2.157		20054	15258
2.192		4279	6606
2.234		3737	4486
2.358		2982	3419
2.474		6122	22899
2.531		7186	3941
2.547		89938	93001
2.615	TCX	10582740	6246458
2.785		10861	11832
2.832		135995	85969
2.898		40983	25468
2.948		25462	14906
3.009		5327	3663
3.068		836	371
3.079		983	273
3.088		1045	153
3.105		48000	23222
3.115		7974	3173
3.158		5647	3216
3.178		12473	8721
3.203		3688	1788
3.227		58266	36986
3.264		26477	15443
3.291		28160	15054
3.31		14966	7307
3.325		10970	5953
3.347		501	60
3.375		62090	29345
3.384		31888	13969
3.405		37381	17430
3.418		72179	48009
3.449		1565	921
3.475		644	149
3.493		81881	53639
3.527		2305534	1388980
3.551		667076	376546
3.569		79233	36586
3.63		1518	967
3.655		1492491	923387
3.677		118444	60611
3.698		139748	97812
3.728		45341	20777
3.744		563748	353460
3.784		137280	98259
3.823		109525	93405
3.854		507454	297700
3.876		5830864	3759601
3.901		600364	330907
3.92		567064	305062
3.94		1013122	615409
3.975		5447662	3574057
4.006		1978693	1198595
4.023		1133088	585764

RT B	Compound B	Height B	Area B
4.084		376028	274492
4.119		1979116	1394762
4.176		4487368	3168034
4.209		1187367	849556
4.236		7929340	5759166
4.274		506019	484375
4.327		3631539	2912479
4.363		537917	390980
4.396		5193105	3621724
4.419		693905	439643
4.462		2986749	2220969
4.488		154367	91674
4.561		2496760	2518877
4.613		3734793	2956280
4.653		818982	691518
4.692		5323949	5150502
4.738		394720	245105
4.762		172937	116604
4.82		63125	69215
4.861		11123	6678
4.878		248731	187958
4.911		247915	168714
4.935		1715886	1280498
4.985		182089	155290
5.02		164347	131537
5.051		103902	86114
5.082		844651	635014
5.105		554807	352879
5.122		83869	39793
5.145		16390	9223
5.176		58717	52361
5.243		2855	1995
5.294		3664	2999
5.319		29906	23003
5.36		776189	728013
5.442		975	240
5.465		3191	2792
5.483		1559	1183
5.518		112053	97576
5.564		35312	24775
5.586		93291	74703
5.635		53523	45932
5.689		976	1554
5.702		614	252
5.742		50767	43852
5.776		3260	2760
5.852		1771	3846
5.866		1636	890
5.895		3238	2503
5.94		126293	105202
5.973		4258	3219
6.003		2270	2316
6.029		822	298
6.056		1976	1260
6.097	DCB	14409230	12000880
6.215		5501	11953
6.274		3333	2967
6.317		1647	1308
6.335		1146	889
6.384		762	1904
6.409		1364	778
6.435		2239	1462
6.495		514	1539
6.515		1406	1332
6.548		16549	13726
6.586		820	726

RT B	Compound B	Height B	Area B
6.615		1574	1482
6.65		1089	599
6.701		905	342
6.721		3275	3294
6.805		1480	3539
6.831		903	722
6.848		995	473
6.907		2187	2479

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

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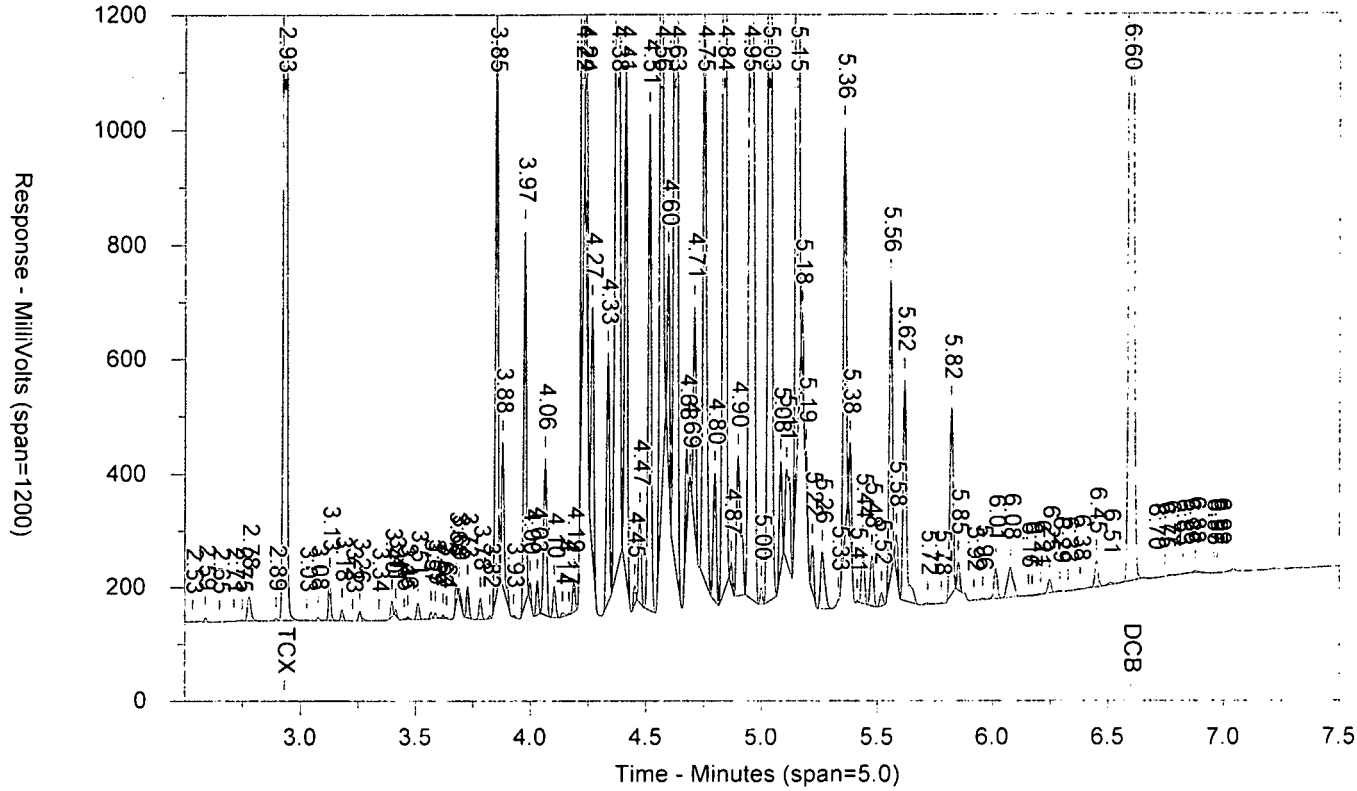

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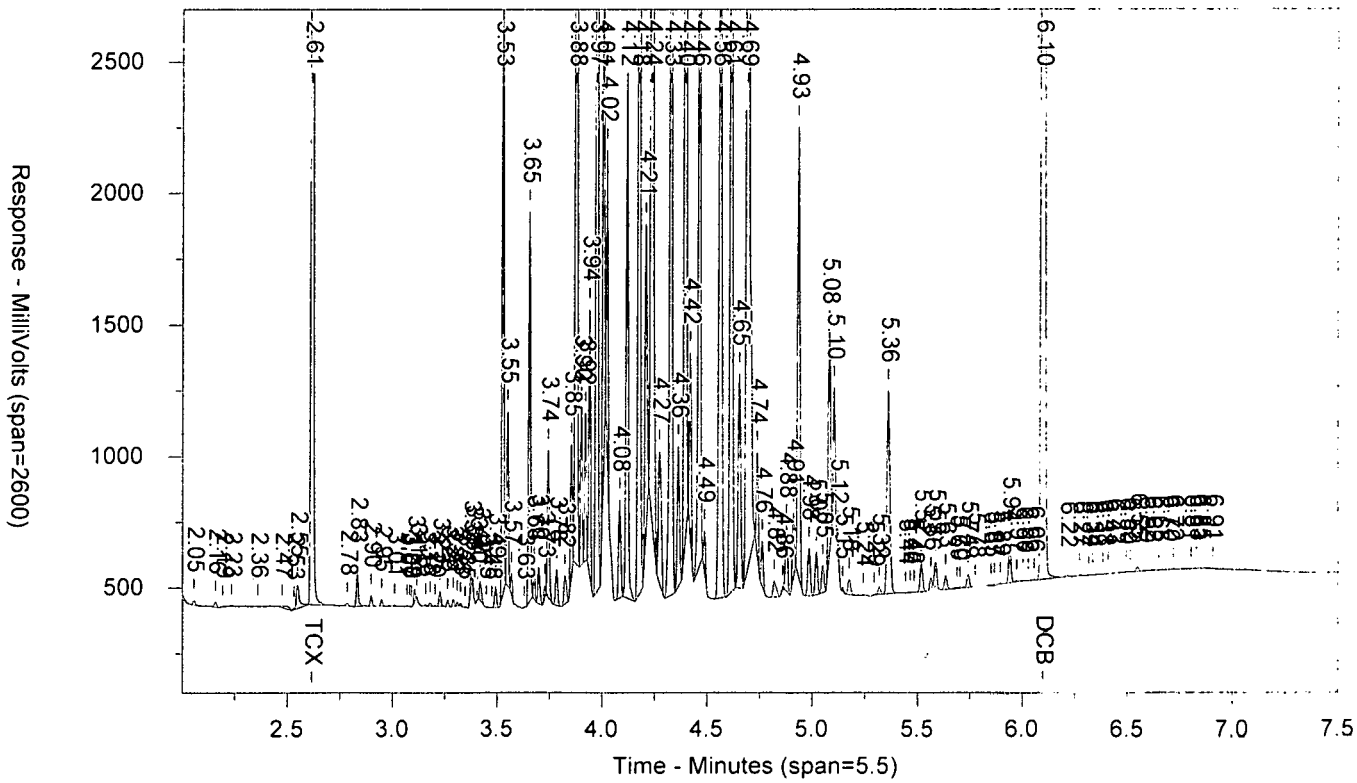

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 10:52:01 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5918431	40.348	TCX	2.615	10582740	39.776	TCX
6.598	4382563	38.358	DCB	6.097	14409230	38.92	DCB

Files:
Area File: 25PCBs17289001.023.RAW
Area File: 25PCBs17289001B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:00:33 PM
File Reported On: 10/16/2017 at 11:00:48 PM

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

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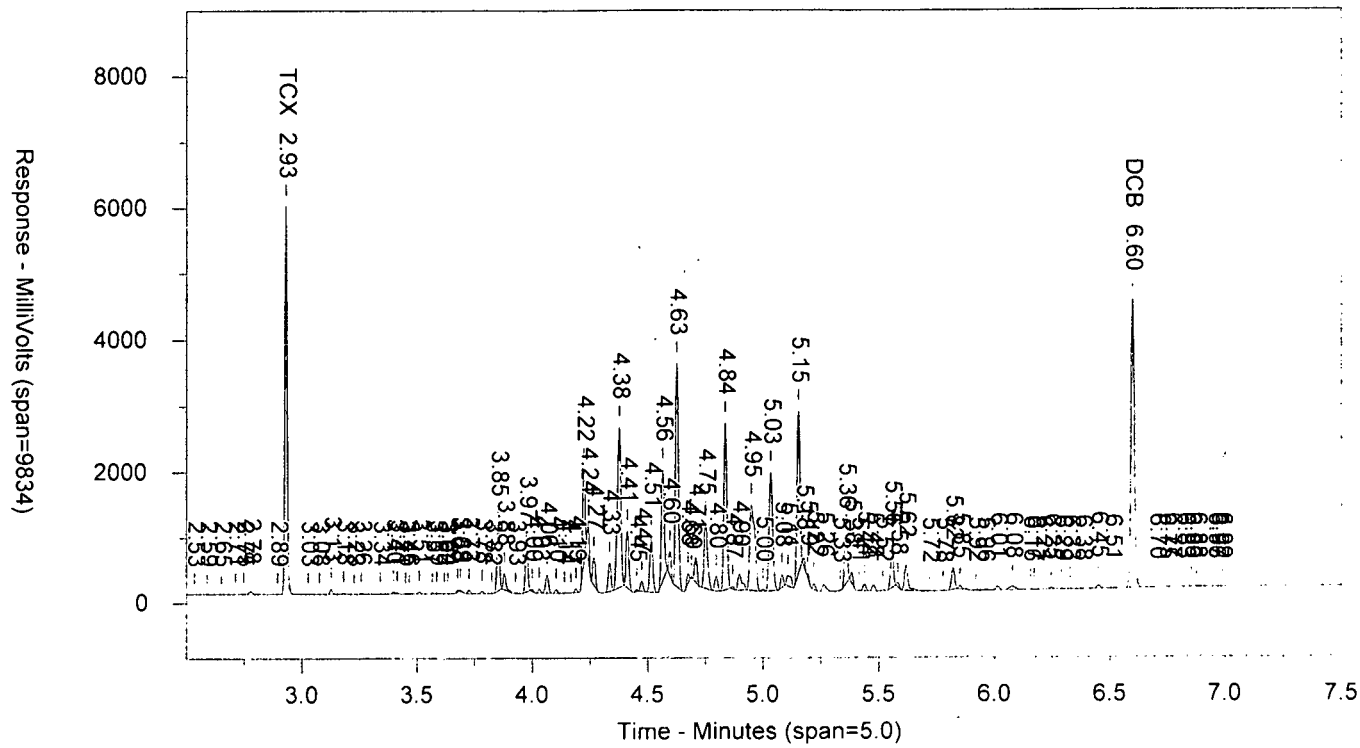

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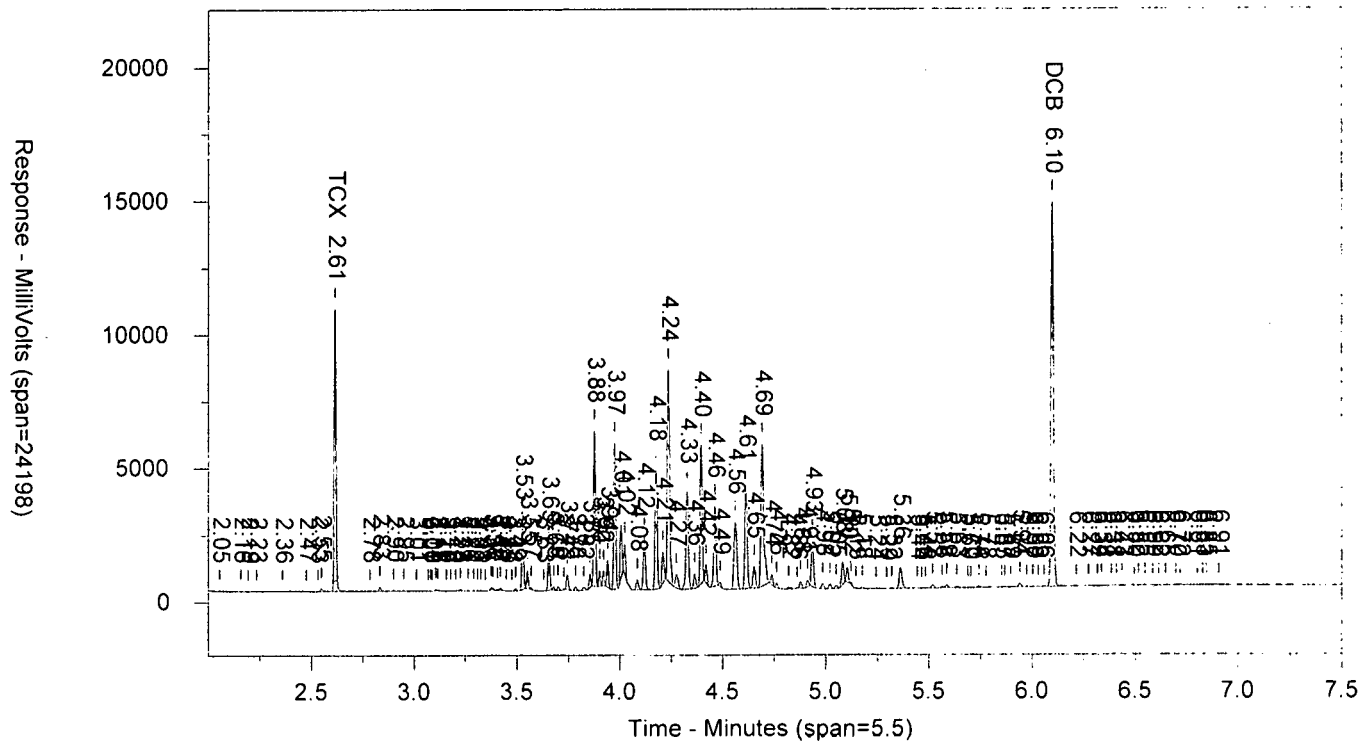

AR5451724C AAAR545AA ICAL 1728899999 10225 SW-846 8082

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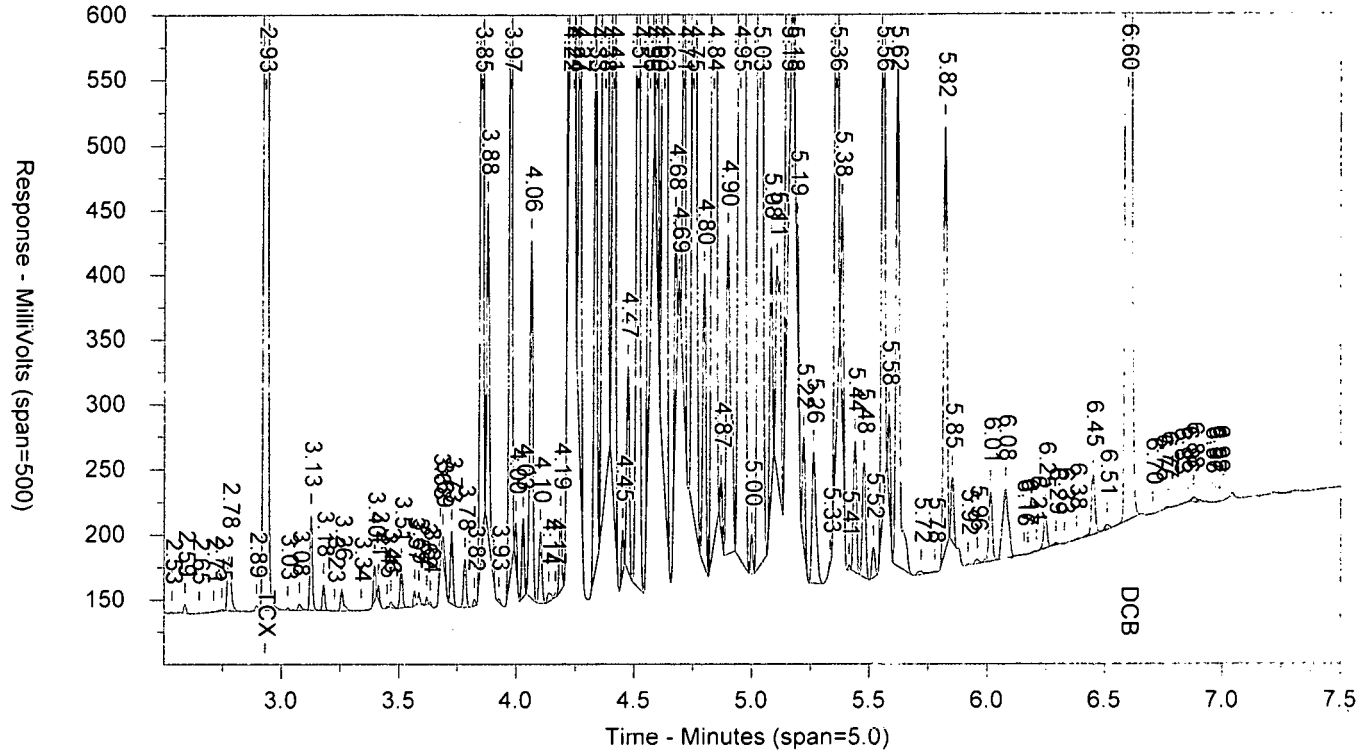

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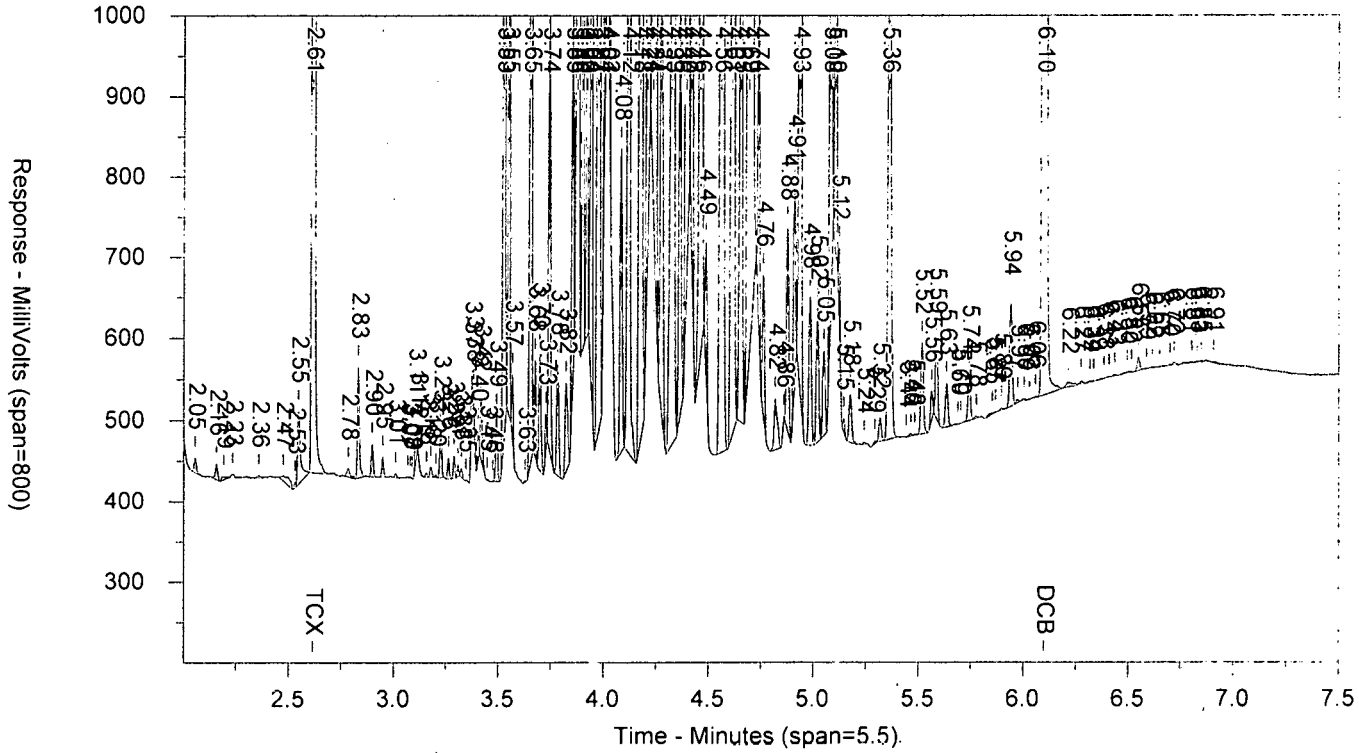

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.008		381	199
2.036		10930	10752
2.084		18146	34433
2.231		51433	38188
2.297		356	322
2.338		22634	23482
2.368		1771	1772
2.431		1007	742
2.49		8336	9434
2.533		1020	925
2.565		649	317
2.59		7617	5061
2.65		876	888
2.688		375	207
2.746		1462	2132
2.778		35510	37411
2.84		622	662
2.895		5770	4530
2.931	TCX	12483110	8693628
3.028		3401	2263
3.048		857	498
3.078		8300	8113
3.127		152043	106794
3.18		38715	28276
3.258		33976	29172
3.343		410	225
3.396		53081	31939
3.413		18268	10539
3.45		3529	1748
3.466		6672	5496
3.511		58110	44839
3.568		29044	18347
3.587		12264	6684
3.621		10913	5941
3.635		4843	2499
3.678		124114	191041
3.727		94975	73332
3.783		76416	58086
3.824		10199	6371
3.852		2172935	1614904
3.879		477516	343602
3.901		38309	19801
3.927		3747	2361
3.975		1388748	1046067
3.999		62747	36908
4.031		122239	87876
4.064		569739	492886
4.103		116799	95668
4.138		15767	15306
4.167		2946	1388
4.188		111712	86375
4.224		3087434	2123693
4.241		1046888	563142
4.267		861075	710261

RT A	Compound A	Height A	Area A
4.335		925247	755731
4.378		5259897	5505376
4.412		1852428	1518368
4.452		62639	42958
4.474		311944	246572
4.515		1747708	1591864
4.566		3727863	3216156
4.596		801333	522946
4.627		7434070	6482132
4.676		266910	197895
4.69		45990	16974
4.709		804466	630878
4.751		2092485	2165236
4.797		463185	409209
4.838		5247496	4936967
4.869		70120	44254
4.898		495146	619352
4.949		2681398	4188231
5		57437	42317
5.034		4114681	4144489
5.082		397747	311119
5.106		311924	469012
5.154		5234809	4635456
5.175		225422	106548
5.193		156053	89273
5.221		155355	127937
5.264		198216	246170
5.333		7060	4579
5.358		1487607	1300429
5.382		342292	235756
5.414		8046	4337
5.438		191897	177871
5.477		173717	169028
5.518		43987	37130
5.556		1044284	961655
5.581		136324	89538
5.618		760405	816200
5.719		4217	5935
5.738		599	303
5.822		647068	612775
5.852		97427	91894
5.919		2933	2786
5.956		3920	4719
6.014		85255	92184
6.077		80219	148480
6.158		487	368
6.203		603	1194
6.247		44901	46353
6.291		2806	3193
6.356		563	249
6.379		2626	2333
6.42		1127	783
6.45		81853	86663
6.512		4218	5425
6.555		825	811
6.599	DCB	8823522	9032214
6.717		538	623
6.745		457	706
6.767		1361	1145
6.837		466	545
6.883		4272	9410
6.963		540	257

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		39467	26169
2.158		24487	20404
2.187		7732	10694
2.237		4106	4287
2.274		1093	1419
2.3		2220	1642
2.361		2238	2180
2.411		2269	1871
2.471		5813	22857
2.532		7555	4487
2.548		73130	63634
2.615	TCX	23059290	13331320
2.785		18272	15085
2.833		271397	175105
2.899		78547	49115
2.949		53943	31358
2.986		2097	1750
3.009		10900	6808
3.067		476	139
3.085		757	97
3.091		707	110
3.105		87135	42406
3.117		24335	8942
3.157		11682	6345
3.178		18028	11074
3.203		7703	4215
3.227		112996	75119
3.264		36422	20614
3.292		67541	36947
3.31		28052	13664
3.326		18930	9114
3.35		1287	900
3.375		123684	60192
3.385		83998	32593
3.405		72877	35320
3.419		127864	77978
3.494		158095	101699
3.528		4845701	2876738
3.551		1331665	746180
3.569		149629	71237
3.635		1053	1993
3.655		3060168	1902798
3.678		222130	116412
3.699		275868	186454
3.728		65439	29868
3.744		1199159	732593
3.785		273098	188880
3.824		219773	178291
3.854		1051059	610451
3.877		12020410	7810172
3.902		1251069	695639
3.921		1121359	607264
3.94		2169614	1251670
3.975		11539840	7521474

RT B	Compound B	Height B	Area B
4.006		4446942	2617746
4.024		2528533	1319896
4.084		762504	547620
4.119		4099605	2895258
4.176		9379964	6778767
4.208		2485881	1815567
4.236		17024470	12211330
4.274		1036317	988769
4.327		7332348	6096548
4.364		1050424	809754
4.396		11091930	7696675
4.42		1486280	932338
4.463		6165745	4652558
4.488		337558	193111
4.562		5481191	5288990
4.613		8254355	6342562
4.652		1722455	1406736
4.692		11624810	10677720
4.737		814044	499399
4.761		346765	230473
4.82		121316	136590
4.861		18919	12420
4.878		493632	370592
4.912		482631	333662
4.935		3476636	2682238
4.984		368660	309904
5.02		319569	261832
5.051		192501	163182
5.082		1915202	1357587
5.104		1088748	700591
5.122		155913	83450
5.145		30846	17479
5.177		85575	73245
5.219		2597	1356
5.242		7153	9140
5.296		5077	3472
5.318		56944	44970
5.36		1563369	1456386
5.432		1590	1310
5.462		5886	4668
5.484		2946	1549
5.518		175539	153710
5.564		72545	51789
5.585		135945	103287
5.636		87545	76932
5.693		1067	373
5.742		99708	81490
5.774		6986	8381
5.868		1423	6135
5.892		5084	4336
5.939		235836	193017
5.97		6238	4271
5.995		4756	4818
6.044		1004	1183
6.06		2395	1392
6.098	DCB	29060980	23997880
6.215		5808	10646
6.274		5880	5545
6.311		1655	988
6.357		1440	316
6.412		1514	2221
6.438		3789	3645
6.471		1093	486
6.485		1650	1091
6.505		1907	933
6.548		29452	25683

RT B	Compound B	Height B	Area B
6.594		918	453
6.611		1388	760
6.659		1718	1669
6.685		809	392
6.701		762	302
6.721		5411	6187
6.764		1430	744
6.79		1441	498
6.806		1004	724
6.877		1681	1623

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

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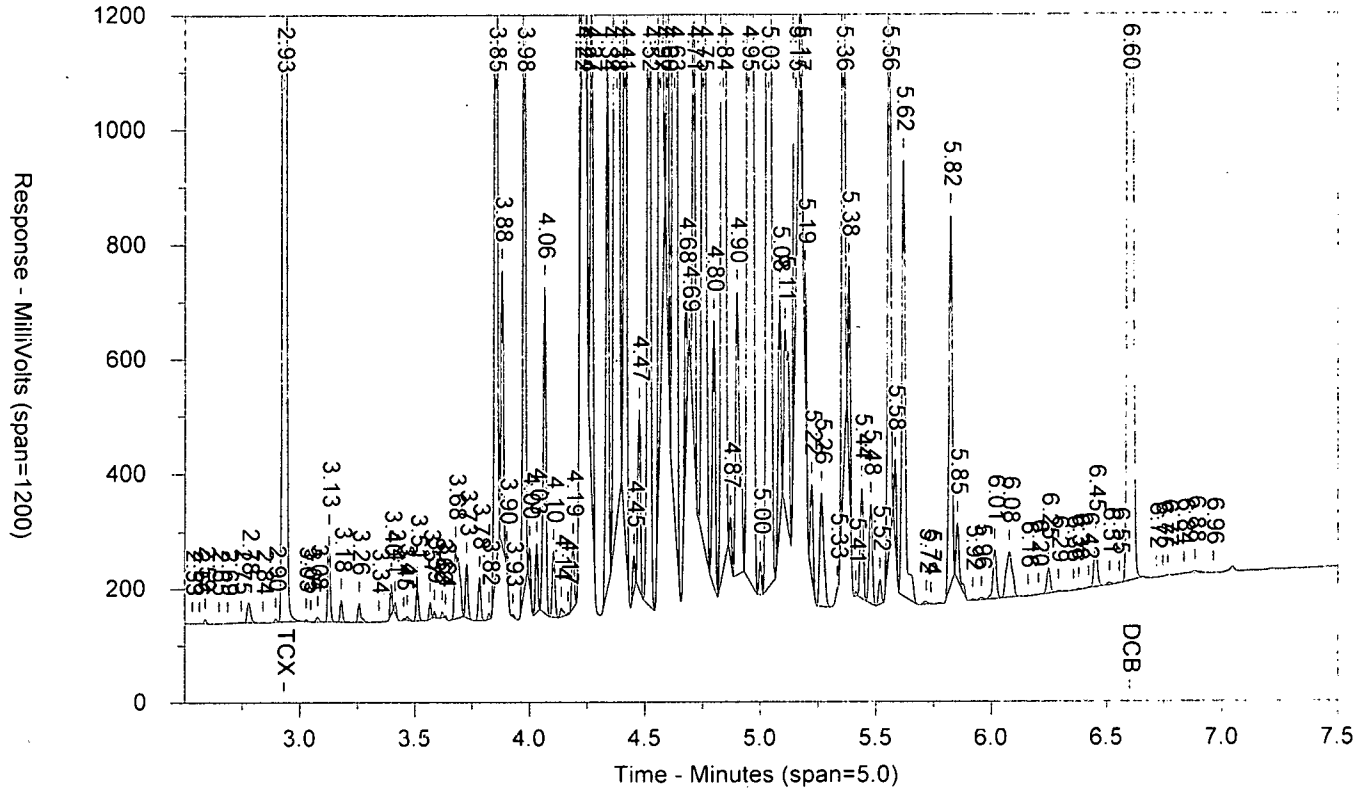

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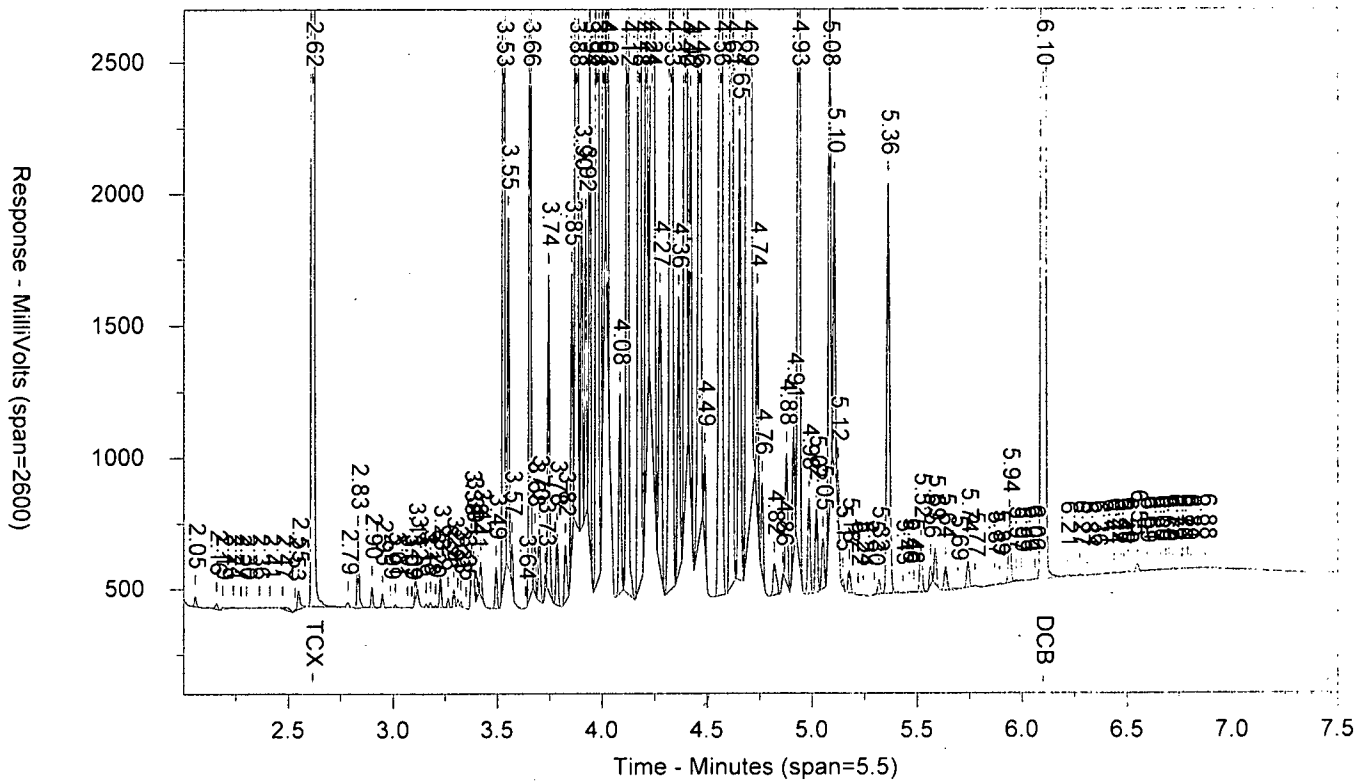

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:03:21 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	12483110	85.101	TCX	2.615	23059290	86.67	TCX
6.599	8823522	77.227	DCB	6.098	29060980	78.494	DCB

Files:
Area File: 25PCBs17289001.024.RAW
Area File: 25PCBs17289001B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:11:51 PM
File Reported On: 10/16/2017 at 11:12:01 PM

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

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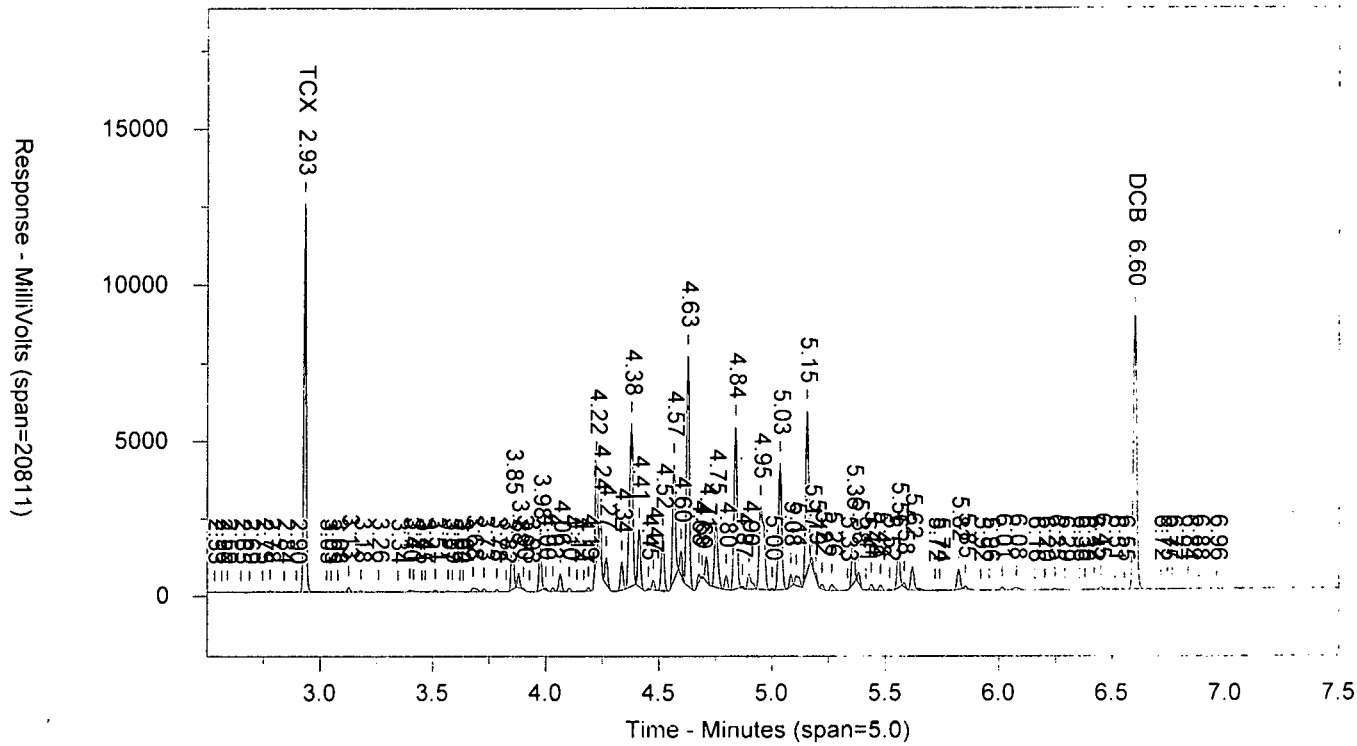

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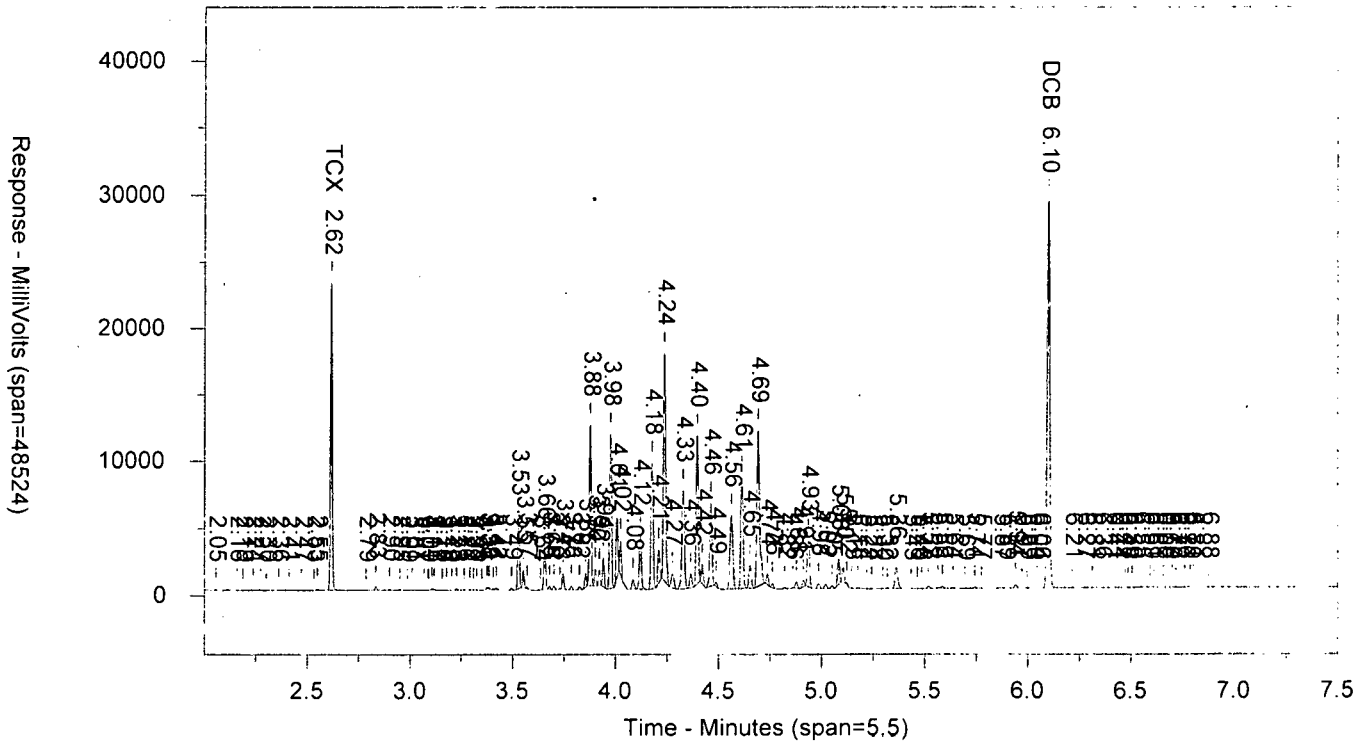

AR5461724B AAAR546AA ICAL 1728899999 10225 SW-846 8082

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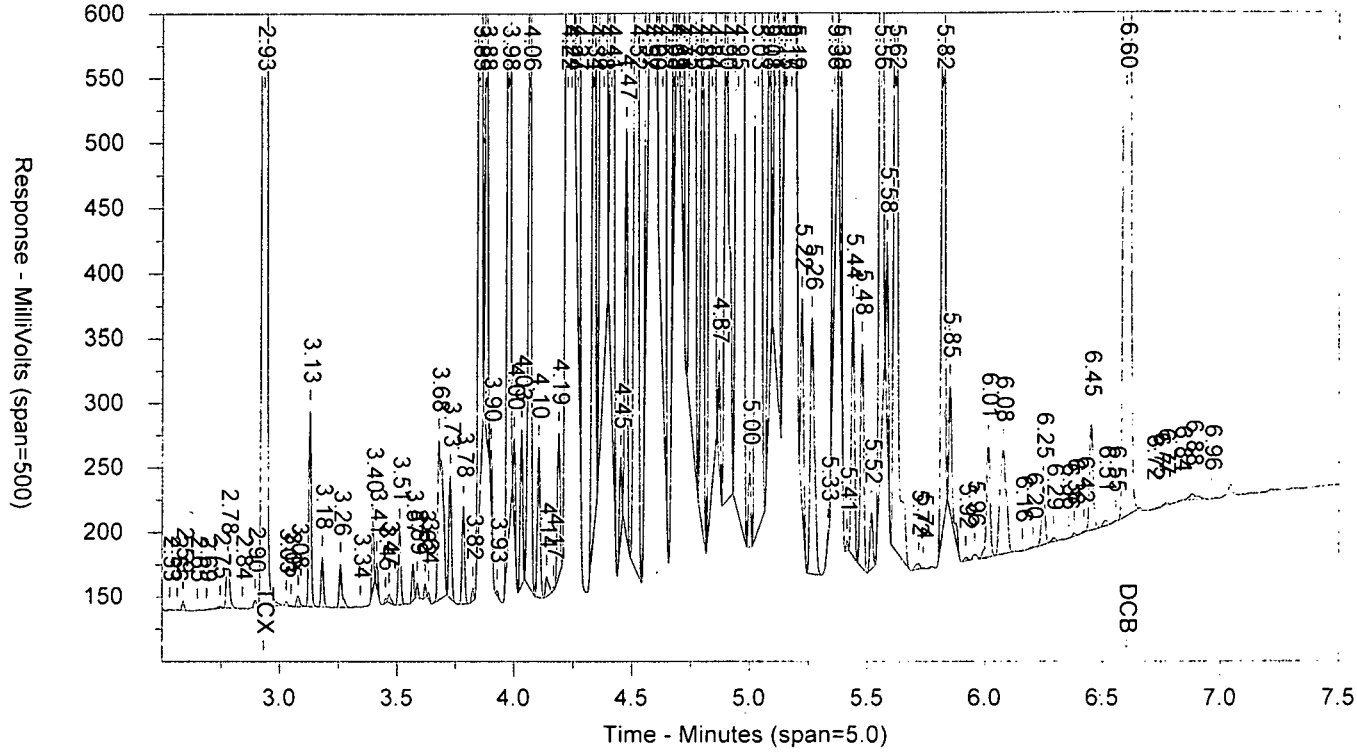

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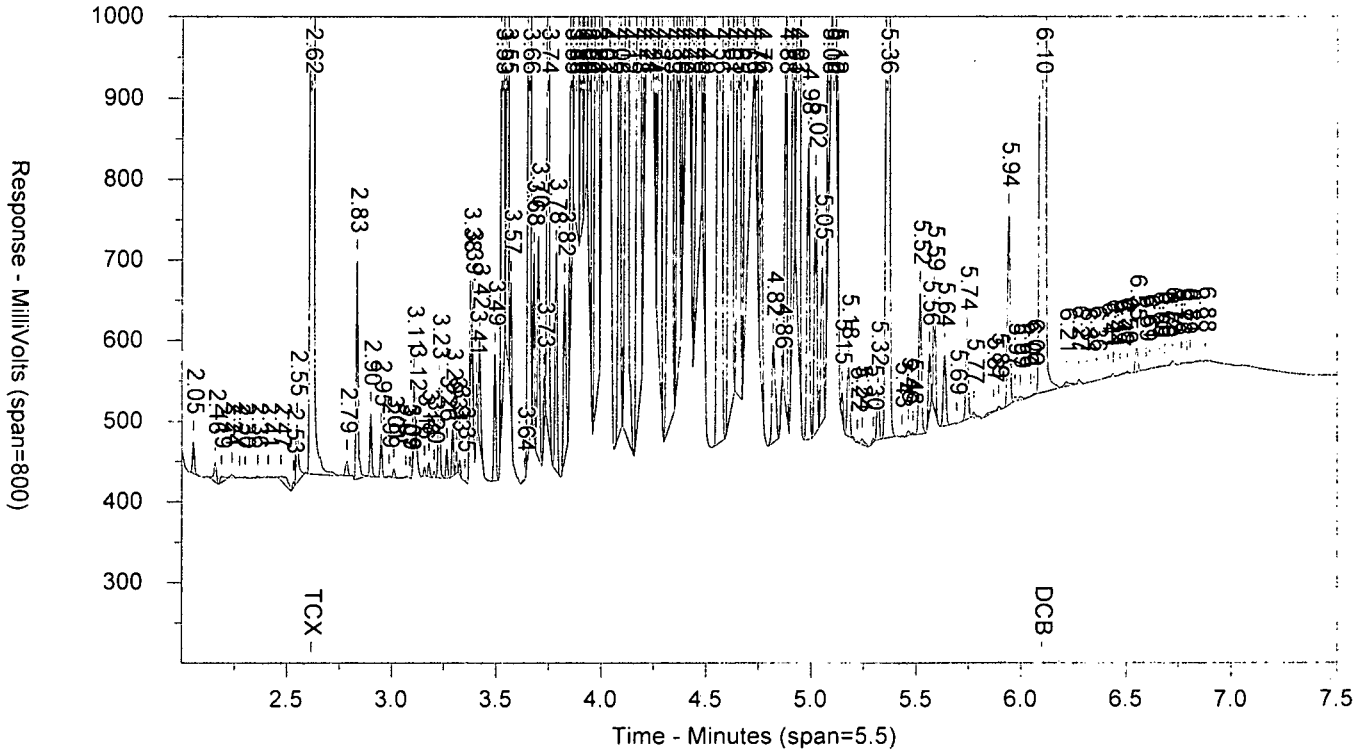

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 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: 25PCBs17289001.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		7152	7759
2.083		11473	19140
2.141		2397	1512
2.166		898	910
2.216		1843	1913
2.256		593	410
2.289		3383	4111
2.33		20748	14093
2.365		2894	5006
2.49		5637	6611
2.536		2818	3464
2.587		12370	9106
2.652		1035	703
2.677		2038	1524
2.747		1499	2057
2.778		22285	21369
2.897		4092	5016
2.924	TCX	755	467
2.996		425	220
3.045		326	171
3.078		1687	1396
3.134		2500	1639
3.157		2280	1276
3.18		13886	9475
3.261		3442	3619
3.318		384	178
3.369		398	374
3.396		15190	9093
3.412		6634	3578
3.449		1566	753
3.479		1115	1255
3.51		22017	20885
3.585		970	360
3.602		1831	1149
3.619		3087	1629
3.633		1855	1063
3.677		9122	5274
3.688		16606	8634
3.725		26627	21540
3.782		20573	17019
3.814		5362	4769
3.852		21891	16621
3.881		16288	20057
3.927		4500	4060
3.975		19052	16730
3.998		3008	1478
4.029		5519	3764
4.063		16712	17856
4.103		4444	3368
4.167		6032	5084
4.187		1943	1051
4.223		137509	133739
4.265		20903	18413
4.335		6963	4114

RT A	Compound A	Height A	Area A
4.353		20964	13047
4.377		147424	129133
4.411		13374	9835
4.453		4403	2996
4.481		11490	10471
4.512		31857	29809
4.582		138146	156658
4.625		82045	71197
4.675		467702	501994
4.712		74525	52067
4.75		809699	768537
4.794		8156	7217
4.836		65194	69601
4.87		3747	2250
4.897		110020	102494
4.948		963697	1081910
4.999		412591	408472
5.039		388098	436890
5.076		21595	13240
5.12		46924	43152
5.153		896554	896480
5.197		12304	7082
5.22		1264556	1241281
5.262		541159	555303
5.323		2319	2229
5.354		228059	180737
5.382		1065136	1108701
5.438		463803	432097
5.475		191478	229493
5.523		49659	52917
5.562		197862	205300
5.617		2713576	2943459
5.714		187	215
5.736		449	144
5.765		1143	1261
5.822		1730610	1672729
5.878		840759	1229473
5.957		3572	4649
6.013		88592	89549
6.091		427457	499464
6.205		707	1261
6.247		1037727	1038652
6.292		65447	64581
6.367		561	434
6.398		292	493
6.449		380708	412780
6.511		4040	4983
6.597	DCB	15455	20324
6.66		1460	1384
6.687		684	329
6.769		2102	4408
6.799		592	226
6.835		310	1158
6.882		3935	8257
6.974		593	267
6.992		425	116

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 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: 25PCBs17289001B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.105		5253	8150
2.158		13482	9056
2.206		2906	6950
2.233		4151	5041
2.345		19180	17112
2.415		5095	5757
2.495		3777	7095
2.532		7473	4940
2.548		39735	33762
2.65		5641	6380
2.716		3444	4617
2.784		4145	6140
2.846		6910	6680
2.869		1429	952
2.898		27702	16359
2.923		4536	2652
2.984		4311	2911
3.009		3926	2473
3.07		926	352
3.083		851	179
3.106		24533	11696
3.116		9407	3777
3.157		4257	2423
3.183		14651	10327
3.203		2518	1255
3.227		38197	24330
3.263		4549	2832
3.283		1033	409
3.31		10562	6046
3.325		7982	4276
3.351		2637	1435
3.375		22856	10642
3.385		39204	16050
3.404		1496	471
3.419		43312	32084
3.451		3538	1765
3.469		787	354
3.493		43034	28506
3.527		46078	25744
3.551		41563	24366
3.568		4226	1488
3.58		7995	3847
3.609		8578	4953
3.655		48356	29792
3.677		17961	9940
3.698		11570	6608
3.727		13410	6791
3.744		32270	19092
3.784		12745	10333
3.803		855	347
3.831		11833	11547
3.855		18885	11835
3.875		324270	212580
3.901		34793	19804

RT B	Compound B	Height B	Area B
3.921		7350	3721
3.941		45161	32314
3.974		365505	253096
4.007		41430	26206
4.036		93661	69934
4.057		4117	1519
4.073		31616	24355
4.118		46245	56024
4.15		4559	4068
4.175		73686	52752
4.217		257708	165220
4.248		1081414	805797
4.274		278796	277889
4.326		1838698	1405070
4.367		20037	18278
4.395		69413	44631
4.42		275330	203892
4.462		2184690	1681293
4.565		1908260	1696722
4.617		336391	269807
4.656		587880	487117
4.691		1206888	1013912
4.723		2788268	2161456
4.761		1308625	1034473
4.86		571351	469329
4.911		2737003	2180433
4.935		28696	14760
4.985		1044549	1018089
5.02		327627	258857
5.05		319854	256309
5.105		5935056	4883812
5.146		71365	52122
5.178		351352	292695
5.223		1356	713
5.256		3744	3091
5.295		94290	61515
5.318		2307562	1887446
5.366		3877180	4022210
5.464		876	455
5.482		2549	1352
5.518		185322	165618
5.563		31218	19770
5.586		126509	98170
5.635		998094	841082
5.704		1067	651
5.741		2674358	2267667
5.773		145790	107943
5.856		663	3170
5.908		1326	1051
5.939		1184148	992349
6.003		2762	1997
6.052		2820	3380
6.098	DCB	45326	42420
6.146		3471	6007
6.215		5372	10953
6.276		6011	5027
6.314		1421	830
6.329		1555	881
6.355		927	411
6.364		1352	471
6.401		1321	1183
6.445		1030	998
6.453		1283	349
6.483		858	835
6.511		2190	2200
6.543		992	539

RT B	Compound B	Height B	Area B
6.583		1067	648
6.593		1578	706
6.626		1302	1155
6.663		2016	3356
6.722		679	548
6.735		1371	542
6.757		1943	1057
6.788		1111	360
6.817		855	702
6.882		3592	14802
6.974		1469	1519

AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

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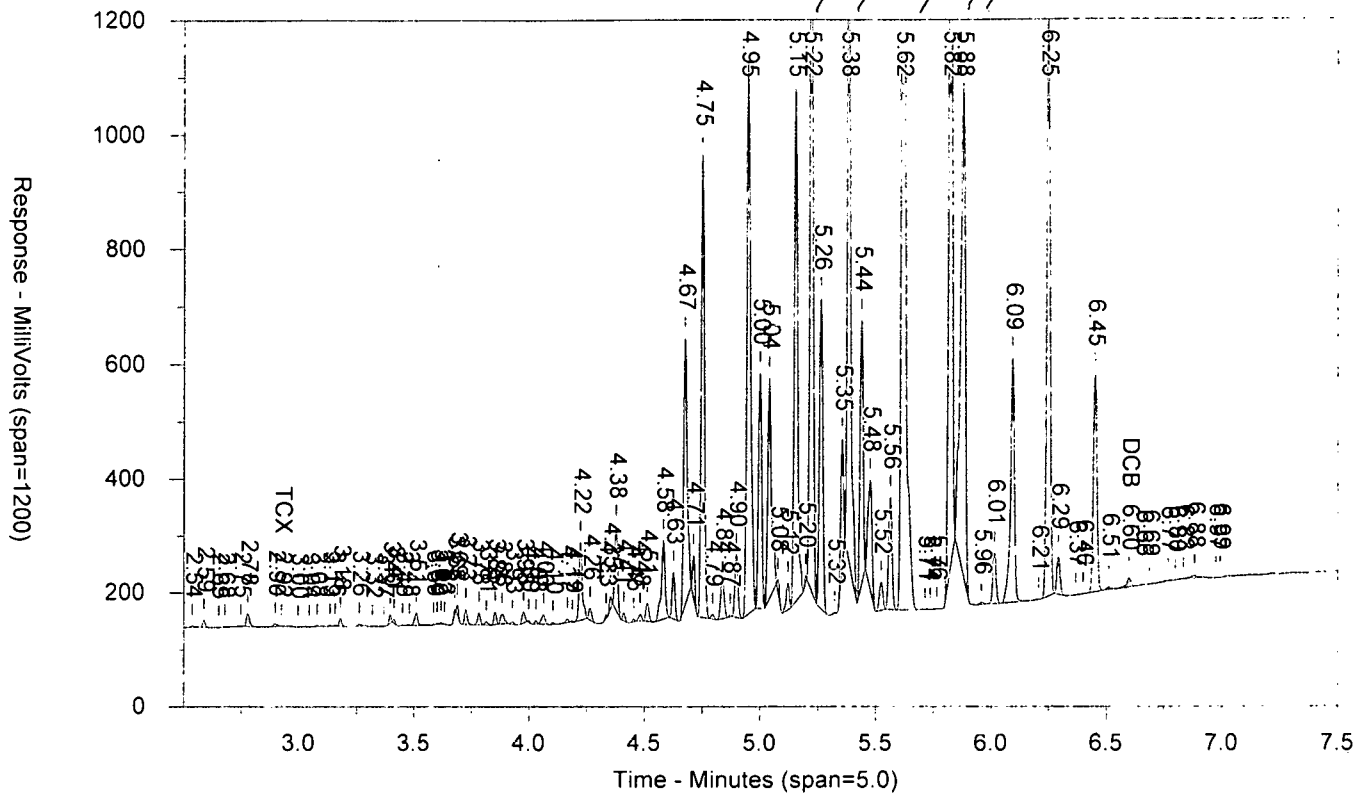

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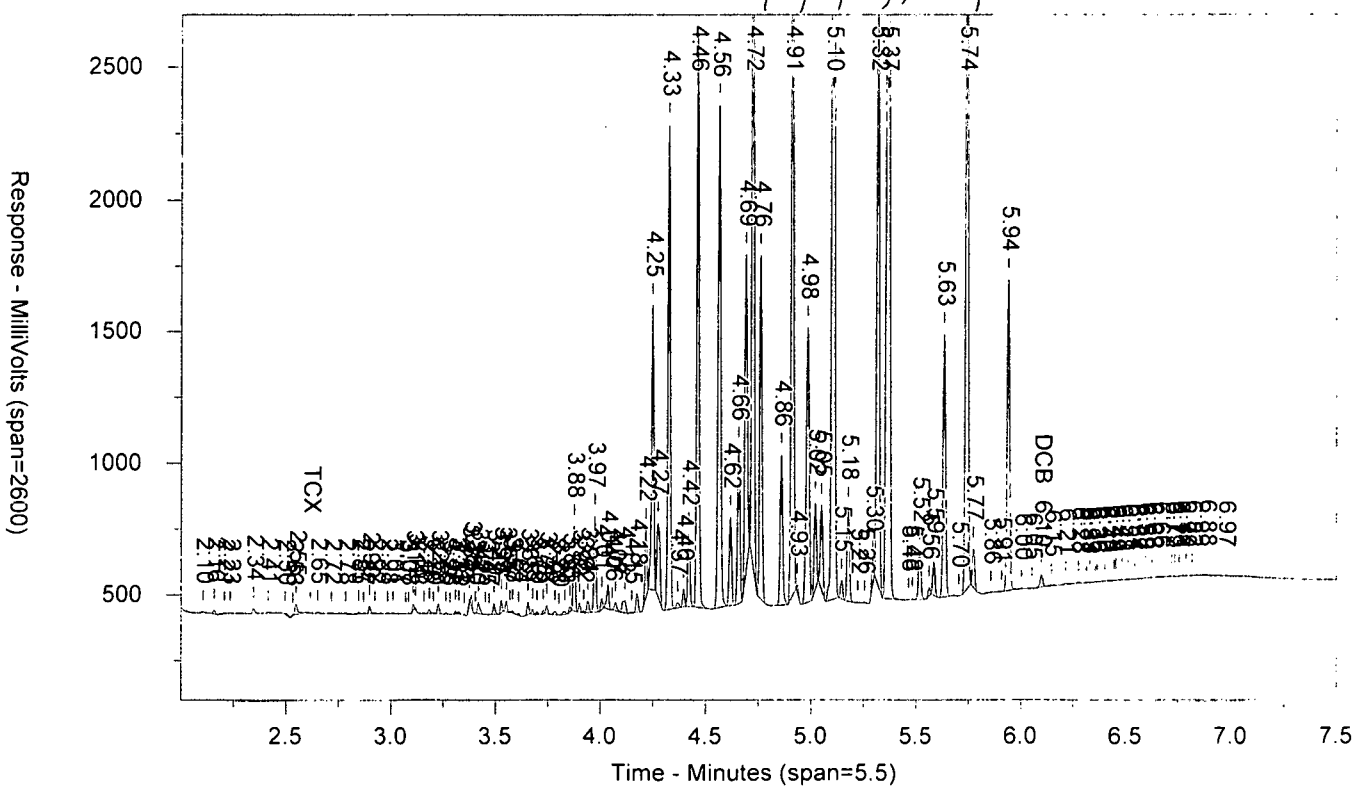

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:14:42 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
2.924	755	.005	TCX		0		TCX
6.597	15455	.135	DCB	6.098	45326	.122	DCB

Files:
Area File: 25PCBs17289001.025.RAW
Area File: 25PCBs17289001B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:23:12 PM
File Reported On: 10/16/2017 at 11:23:25 PM

AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

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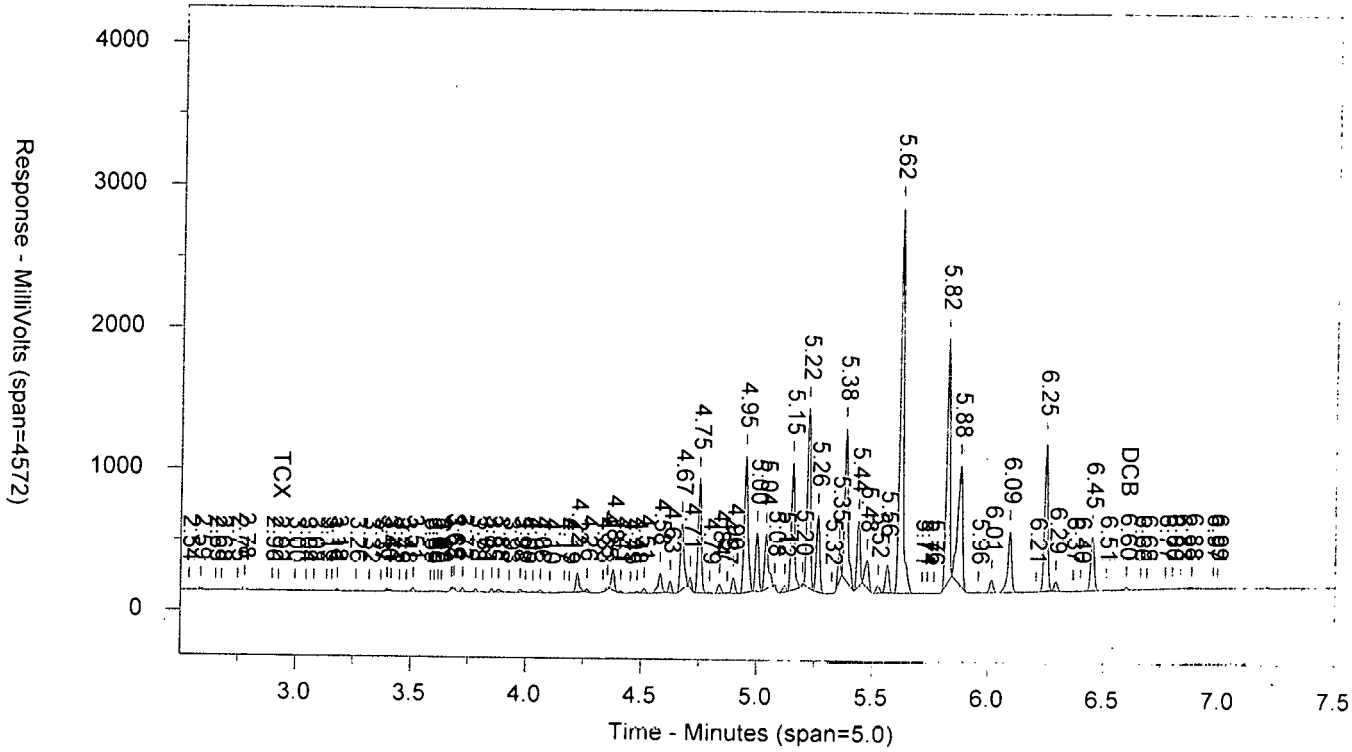

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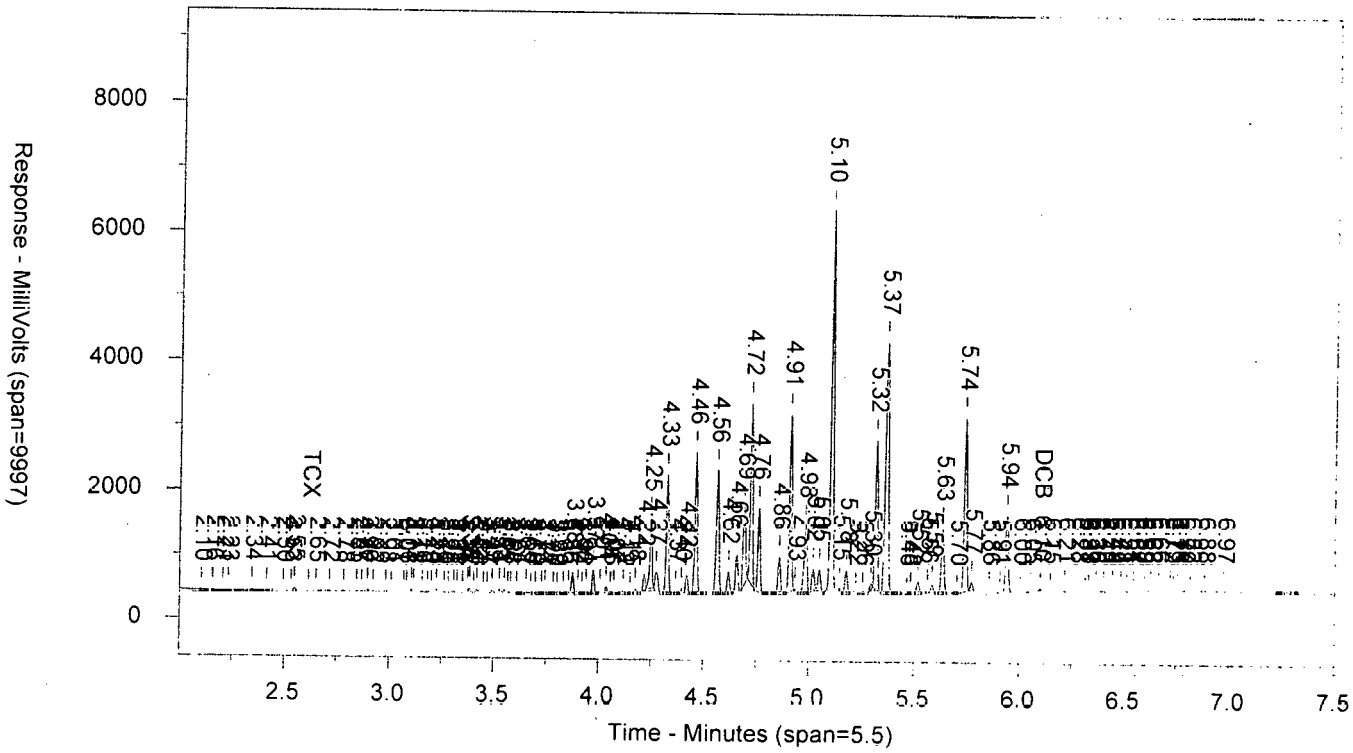

AR6231724A AAAR623AA ICAL 1728899999 10225 SW-846 8082

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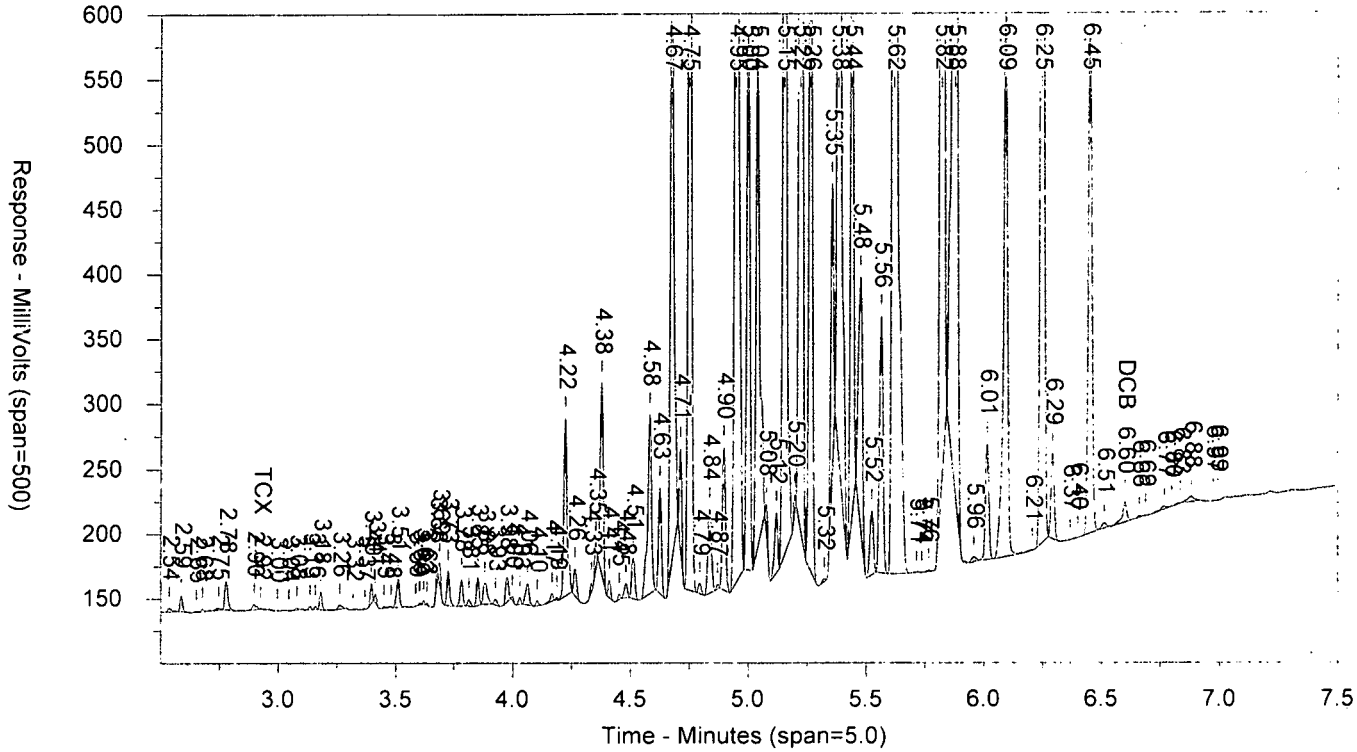

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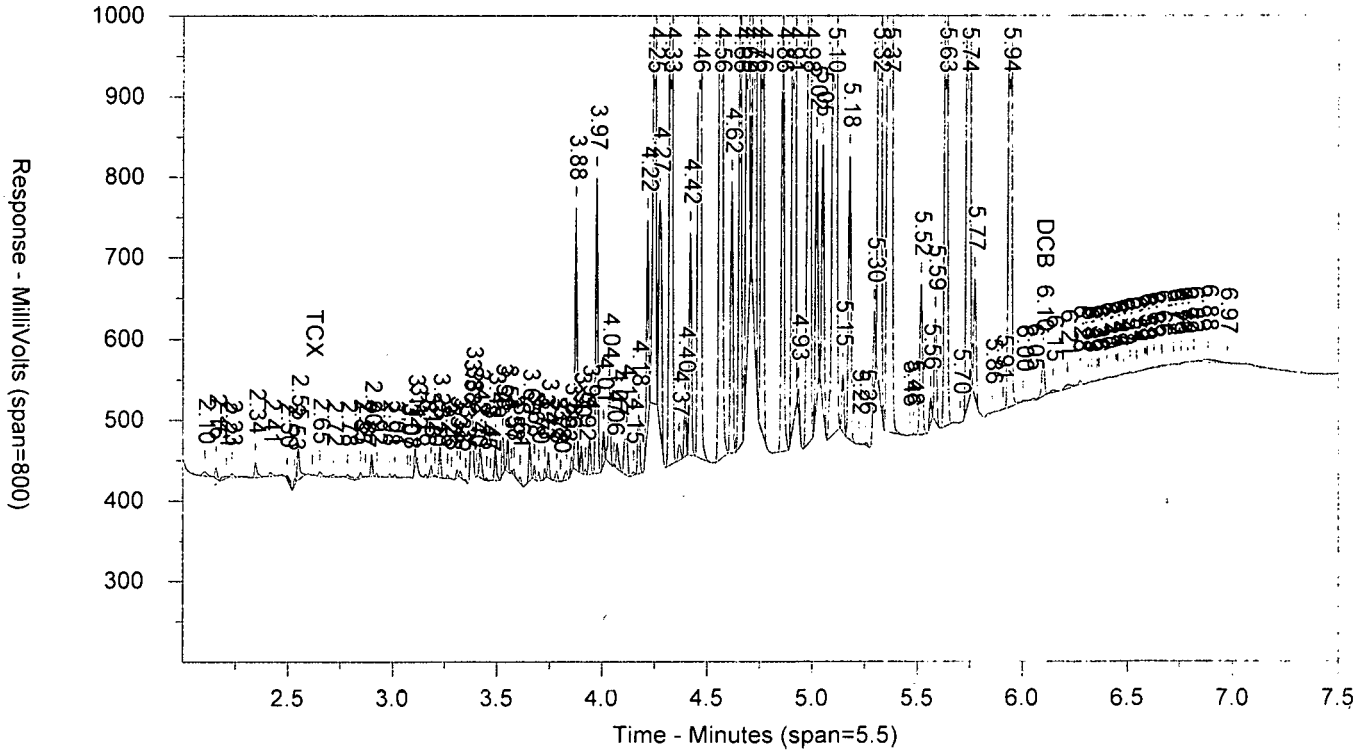

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 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: 25PCBs17289001.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		6671	6927
2.084		16489	33473
2.299		378	189
2.33		22359	15645
2.368		2371	2555
2.441		544	376
2.489		5527	6642
2.531		951	807
2.562		614	365
2.589		2551	2242
2.65		791	600
2.677		361	150
2.705		392	296
2.75		1461	1768
2.778		29841	29987
2.871		537	249
2.895		4046	3670
2.944	TCX	948	2171
3.02		574	866
3.077		512	531
3.101		692	612
3.135		557	182
3.18		1992	1447
3.261		3595	4832
3.396		4414	6863
3.465		349	71
3.48		456	186
3.509		4972	5437
3.54		1274	1534
3.602		3372	3702
3.677		3191	1674
3.688		4206	2084
3.726		7196	6647
3.782		6220	5065
3.807		304	133
3.852		5838	4333
3.88		4767	5999
3.927		3677	3642
3.974		7170	5292
3.997		2056	1289
4.03		3221	2590
4.063		7949	7415
4.103		2951	2417
4.166		6691	7128
4.219		9349	10782
4.241		8973	5337
4.265		15023	13506
4.331		914	1211
4.368		10200	8306
4.388		3520	1860
4.41		1681	1166
4.44		476	207
4.47		3057	2914
4.512		19363	18090

RT A	Compound A	Height A	Area A
4.565		6982	6445
4.625		7527	11607
4.676		4502	3981
4.708		5565	4967
4.752		7975	7481
4.794		13992	12674
4.835		12681	12362
4.873		20569	18405
4.948		8840	11866
5		39129	36042
5.035		9926	9484
5.058		1959	1098
5.081		788	442
5.113		8629	8347
5.153		22976	20509
5.193		15534	10547
5.22		475924	465586
5.262		41464	37316
5.324		2789	2988
5.354		28443	23055
5.402		593245	683851
5.438		6647	3761
5.465		185859	191214
5.518		29037	32363
5.562		8265	8653
5.617		245211	210469
5.641		129831	106931
5.718		2201	2504
5.768		574	354
5.822		3060496	3048976
5.879		2653105	2963555
5.956		2922	3276
6.013		2384634	2553282
6.077		637730	759284
6.123		852	477
6.158		1152	925
6.211		116	1195
6.246		1072416	1103437
6.291		6640	5301
6.326		5540	6008
6.37		708	829
6.388		1817	1684
6.449		8790361	8828236
6.597	DCB	1704875	1788608
6.658		4537	4100
6.695		206	312
6.742		983	900
6.769		1316	1401
6.821		823	848
6.84		542	307
6.877		2570	2726
6.906		4083	3881
6.992		550	639

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 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: 25PCBs17289001B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.118		1695	1879
2.158		8945	6270
2.194		1673	2543
2.235		5666	5512
2.279		1383	2614
2.364		3236	3214
2.413		1745	1786
2.532		6532	4269
2.548		59093	96446
2.845		2624	4474
2.899		4280	4637
2.989		2068	1922
3.075		1261	1309
3.106		4960	2178
3.118		3512	1401
3.139		919	292
3.161		1365	938
3.172		620	210
3.183		5850	3623
3.205		878	451
3.227		8059	5773
3.259		487	126
3.264		1405	509
3.278		1152	667
3.3		464	74
3.31		2056	1179
3.326		3673	1794
3.351		1279	647
3.376		6614	3340
3.384		9727	4011
3.419		11620	9926
3.453		1363	892
3.493		13899	9542
3.511		685	133
3.528		14511	9136
3.552		15112	8473
3.569		3442	1405
3.586		3115	4234
3.627		1947	1140
3.655		19940	12946
3.677		7792	4053
3.698		6182	2875
3.715		2704	1429
3.728		3600	1354
3.744		15232	9564
3.785		7751	6389
3.832		12291	9787
3.856		14960	10953
3.878		31013	18827
3.902		26372	16277
3.943		19023	15182
3.975		7308	4984
4.01		22599	17236
4.037		11612	6884

RT B	Compound B	Height B	Area B
4.075		8788	9478
4.109		31936	29417
4.15		10981	7987
4.175		9304	5925
4.208		5312	3772
4.235		11504	6601
4.249		5327	2355
4.281		2359	1830
4.326		28132	27399
4.366		29485	21921
4.396		13486	9369
4.419		10808	5905
4.437		39955	26692
4.463		17361	13166
4.564		99791	82448
4.615		27027	22265
4.658		45836	44794
4.693		11540	8647
4.723		1018522	860812
4.762		82592	58468
4.86		69629	56130
4.909		1411312	1160712
4.936		6419	2925
4.975		357684	330236
5.037		6985	4567
5.054		38851	29523
5.104		603930	507335
5.176		375434	320297
5.258		6257	6871
5.295		45369	29678
5.319		7258856	5660995
5.366		7120308	5846772
5.517		6494218	5309243
5.585		1634750	1382958
5.635		217353	183643
5.67		2733	2184
5.741		3115708	2455090
5.772		13422	8778
5.833		1460	1179
5.866		14670	17209
5.888		1213	270
5.899		1748	952
5.939		28354480	22573850
6.097	DCB	5660103	4739658
6.212		4918	6999
6.273		16995	19541
6.332		2590	3607
6.351		1039	482
6.375		1241	599
6.387		901	359
6.434		16625	14938
6.487		1017	875
6.503		1109	496
6.51		1603	985
6.537		931	396
6.571		1157	773
6.599		510	804
6.608		1033	458
6.735		1101	8171
6.772		1652	2123
6.812		953	582
6.838		818	517
6.878		2529	10504

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

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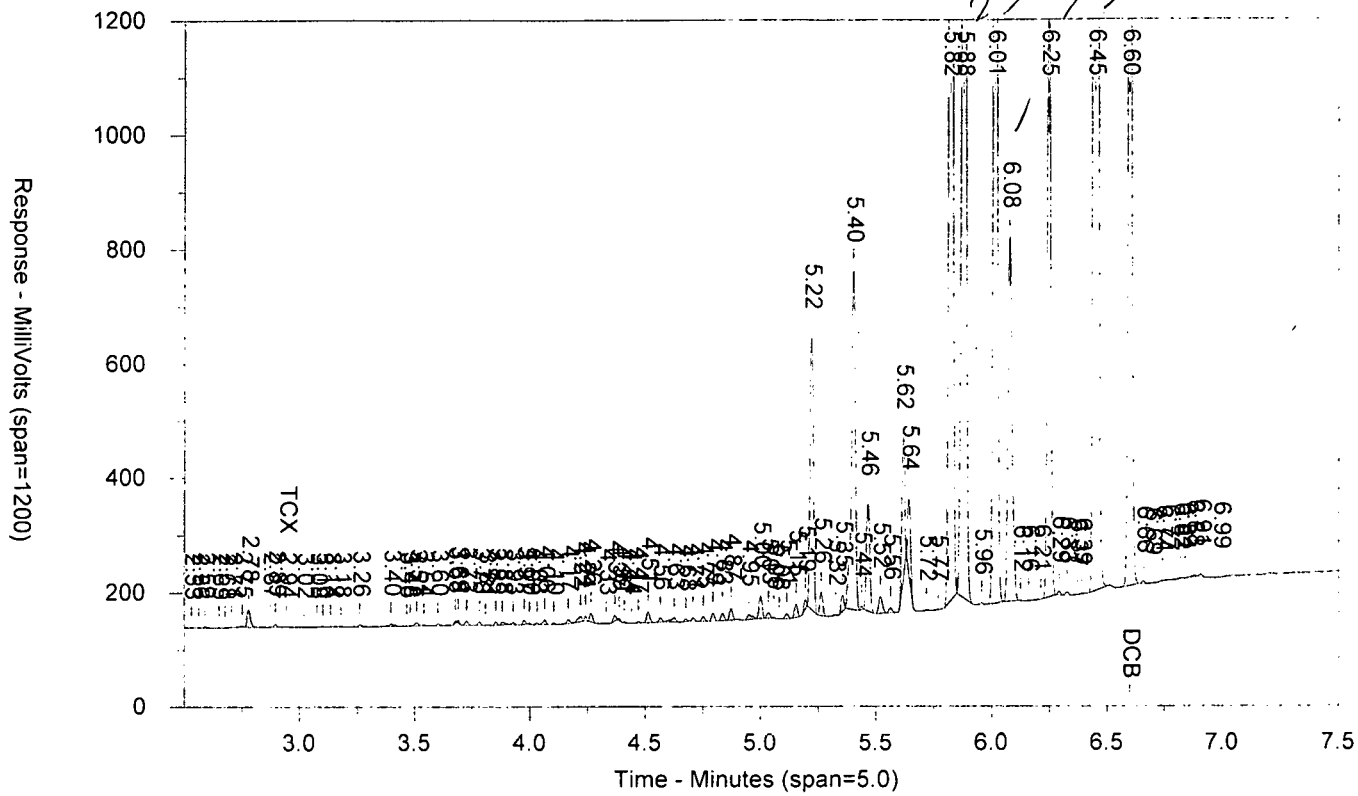

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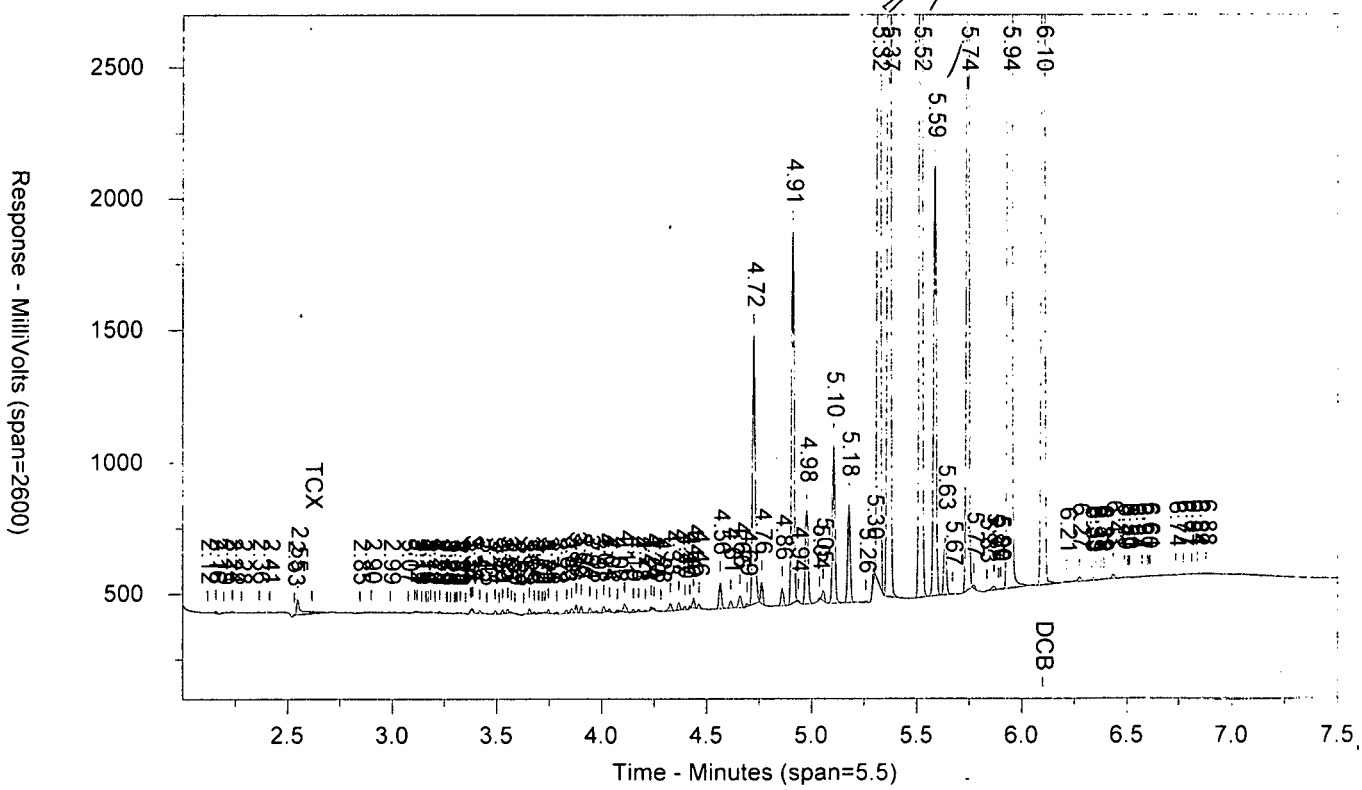

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:25:58 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.944	948	.006	TCX		0		TCX
6.597	1704875	14.922	DCB	6.097	5660103	15.288	DCB

Files:
Area File: 25PCBs17289001.026.RAW
Area File: 25PCBs17289001B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:34:28 PM
File Reported On: 10/16/2017 at 11:34:35 PM

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

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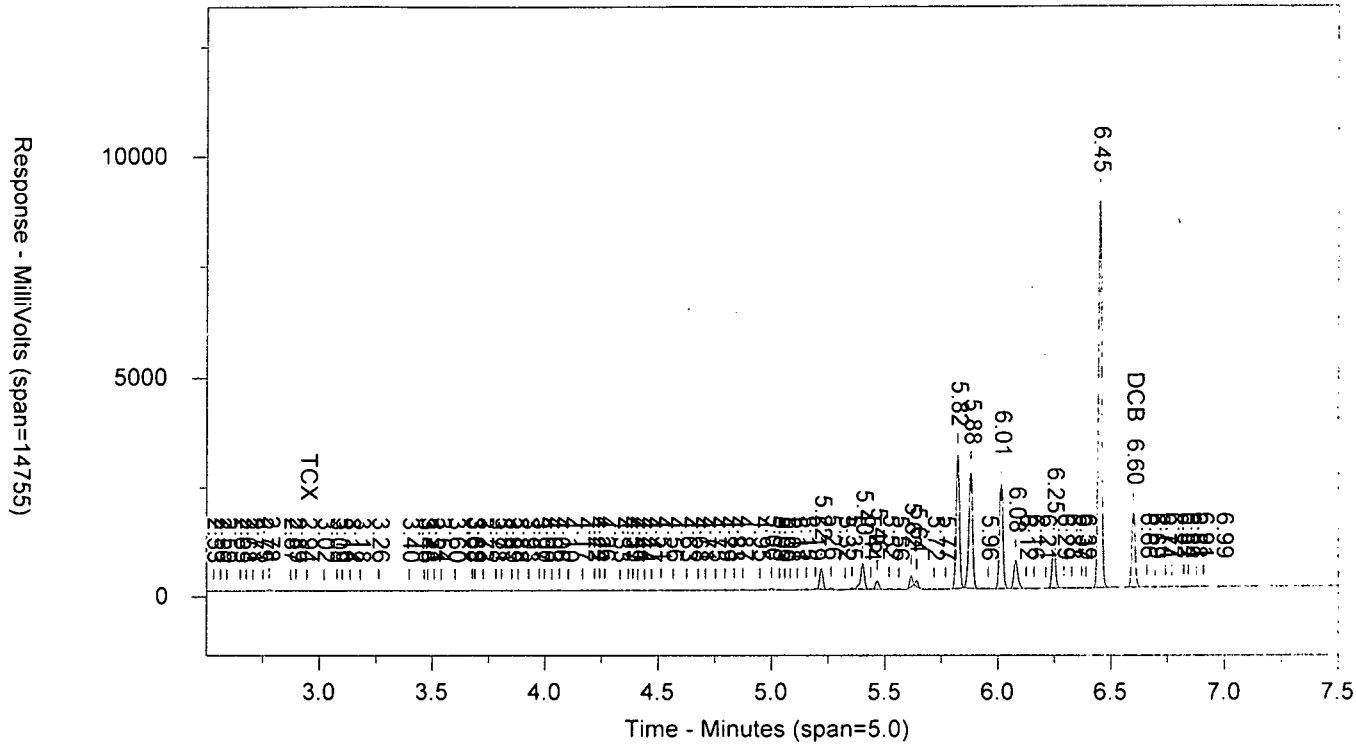

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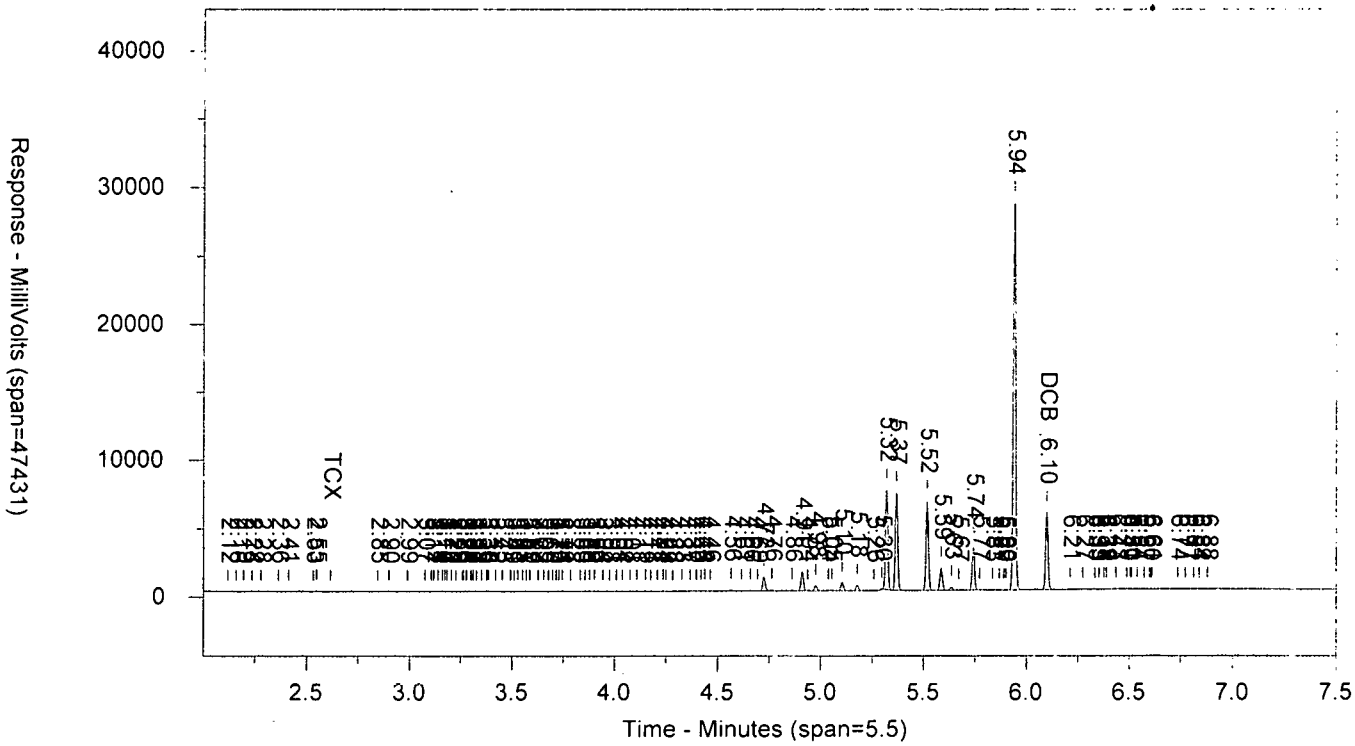

AR6831724B AAAR683AA ICAL 1728899999 10225 SW-846 8082

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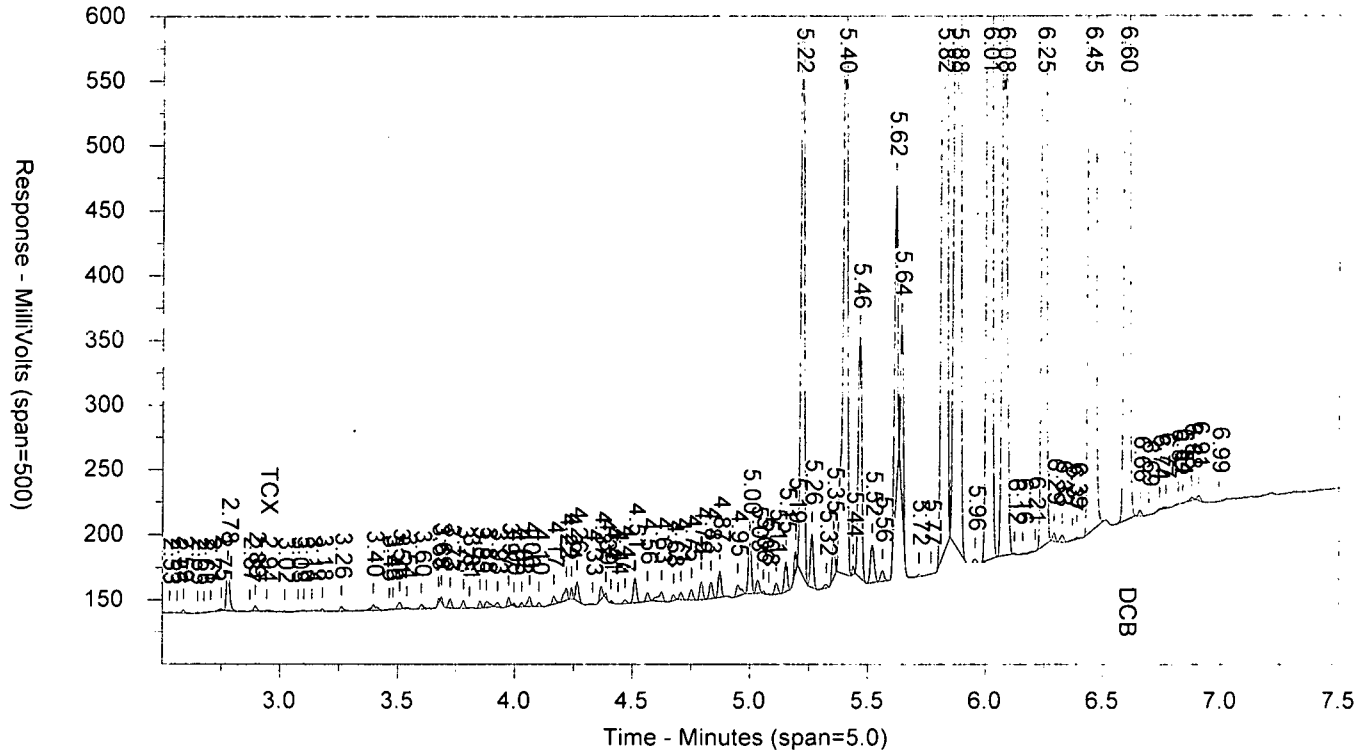

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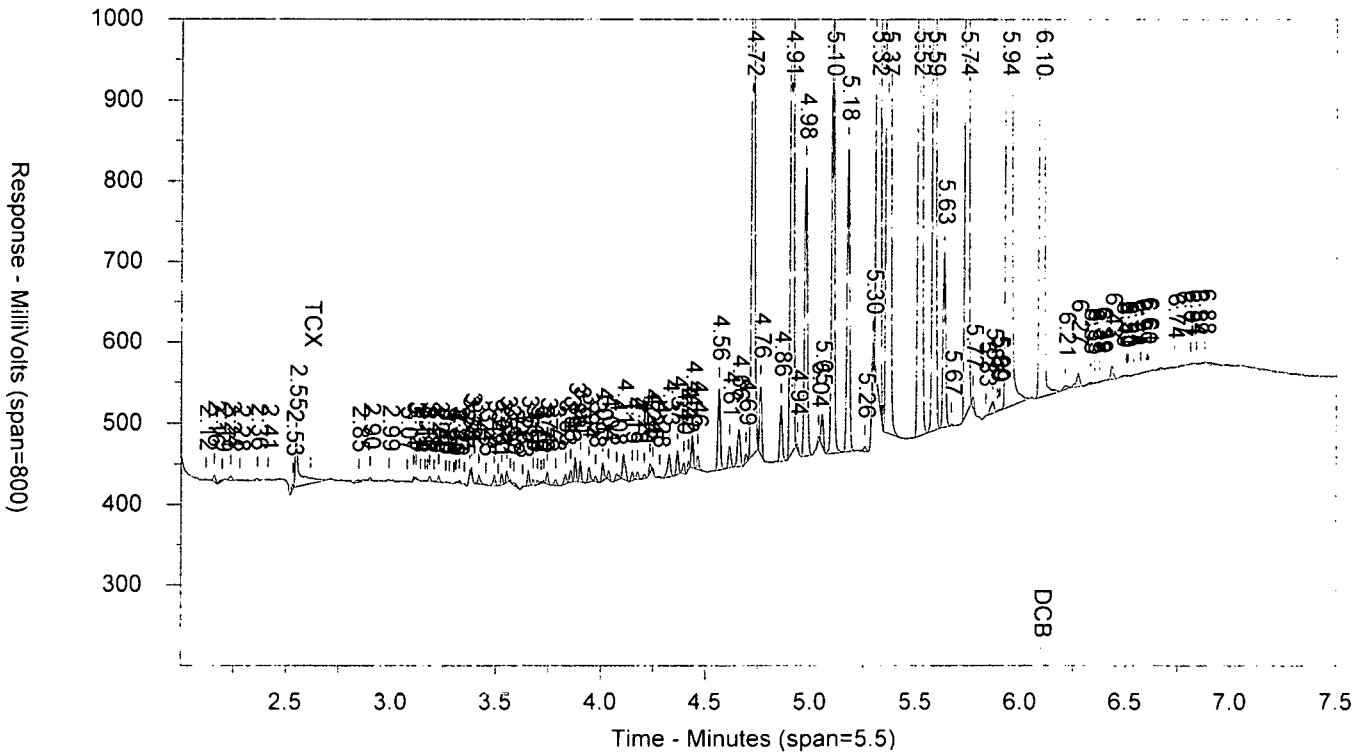

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.01		427	253
2.036		10309	10468
2.083		9741	18343
2.231		25404	21760
2.306		597	440
2.331		19531	19075
2.364		2048	1945
2.49		7426	8770
2.533		4732	4047
2.568		194476	144865
2.651		769	963
2.708		717	1158
2.745		1530	2013
2.778		14045	11693
2.806		2381	1400
2.842		64392	44969
2.895		4678	3691
2.931	TCX	5763076	4039899
3.026		1188	805
3.078		260646	224767
3.133		230329	194859
3.18		719772	529562
3.258		14825	8978
3.273		3385	1469
3.333		338	167
3.396		43444	25452
3.416		36449	40835
3.449		4867	2224
3.476		82600	59274
3.51		58032	44158
3.567		10629	6347
3.585		2266	974
3.602		1576	783
3.619		11883	6233
3.635		11958	6058
3.677		19905	11186
3.688		53874	28741
3.725		73325	53975
3.782		47281	36360
3.822		1348	787
3.852		14465	10496
3.879		9918	8260
3.9		2470	1084
3.927		4335	3980
3.974		15850	11486
3.998		5981	3939
4.029		5982	4381
4.063		22885	20334
4.102		4880	3902
4.166		7926	9753
4.221		8229	5678
4.24		10859	6444
4.263		18784	16852
4.336		803	1269

RT A	Compound A	Height A	Area A
4.367		8988	6968
4.387		3617	2326
4.412		1710	1214
4.471		691	588
4.511		2835	2693
4.565		4411	4160
4.608		1504	1454
4.685		401	523
4.708		2374	2588
4.752		1084	1075
4.791		681	568
4.836		3258	2941
4.872		9901	9001
4.968		6370	11449
5.033		3323	3295
5.083		441	169
5.113		16671	16427
5.151		1787	1779
5.195		1044	817
5.222		1464	1231
5.245		440	119
5.264		742	751
5.322		5875	7156
5.359		722	463
5.382		1465	1110
5.401		724	459
5.439		1106	903
5.471		1978	2339
5.517		15523	16333
5.559		619	512
5.588		484	169
5.642		36634	42345
5.721		1074	1157
5.822		6427	7010
5.877		3647	5690
5.957		4273	6085
6.013		61997	62574
6.076		61080	74463
6.154		335	570
6.195		610	435
6.243		5347	6638
6.29		1145	1222
6.308		487	111
6.332		611	439
6.381		1406	1575
6.398		536	249
6.421		1035	747
6.45		53783	55899
6.51		4191	6017
6.597	DCB	4495204	4533661
6.666		639	292
6.689		605	369
6.708		394	142
6.725		874	434
6.785		692	2926
6.805		495	210
6.821		1067	518
6.832		869	296
6.848		678	284
6.878		4467	10485
6.953		868	414
6.996		647	503

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		19431	13736
2.158		7022	8794
2.204		6967	11248
2.235		4123	4549
2.3		324027	219933
2.355		2318	2167
2.411		8983	12905
2.525		3770	4196
2.548		20269	12665
2.571		108146	66180
2.615	TCX	10574720	6164727
2.657		128340	111642
2.786		533632	353277
2.832		81364	36694
2.846		329067	177250
2.898		1297709	802752
2.948		25914	14237
3.009		14068	9097
3.069		982	288
3.085		4634	2081
3.105		65381	31332
3.116		18683	6042
3.125		24751	8284
3.147		49451	36394
3.178		12976	8853
3.203		162818	97307
3.227		110289	69327
3.252		639	80
3.264		9084	5391
3.291		23108	12125
3.31		30746	15517
3.325		32864	16498
3.35		3315	2081
3.375		44494	23054
3.384		107941	48566
3.419		118351	92602
3.451		1086	329
3.492		102387	64412
3.527		33307	21235
3.551		36716	20216
3.568		11025	4929
3.594		1928	2632
3.63		1574	1147
3.654		41470	26858
3.676		17480	9367
3.697		14395	8268
3.726		9217	4162
3.744		47728	29393
3.784		13089	9533
3.805		1098	283
3.832		2795	2415
3.853		21595	13749
3.876		40449	25454
3.9		32858	20516

RT B	Compound B	Height B	Area B
3.941		17606	14977
3.973		7395	4859
4.009		19943	13886
4.036		11551	6716
4.076		9920	9404
4.116		5491	4039
4.15		6290	5921
4.176		6611	5130
4.207		3606	2195
4.235		12688	11397
4.327		6846	7860
4.366		1921	1699
4.395		5893	3698
4.437		23963	27800
4.496		1292	1068
4.564		4015	5156
4.614		7634	5931
4.643		1046	562
4.663		36156	29620
4.708		1453	2471
4.724		1652	905
4.737		1715	900
4.797		1009	611
4.834		1992	1924
4.909		6248	6088
4.937		1757	1015
4.971		2818	2212
5.056		28681	33980
5.104		3489	2665
5.136		1317	635
5.176		62381	54384
5.227		888	408
5.318		9886	14467
5.367		12641	12195
5.423		892	416
5.469		846	700
5.518		138273	120828
5.586		134979	120692
5.636		30925	27154
5.688		1414	1708
5.74		5093	6323
5.862		743	6104
5.893		2892	3283
5.939		154521	126285
5.971		3586	2586
6.003		3343	4365
6.058		2360	1481
6.097	DCB	14294640	12013650
6.216		5423	10963
6.291		2125	1634
6.336		1326	489
6.362		1051	558
6.379		1092	433
6.401		1708	1254
6.434		2317	2552
6.5		2950	5612
6.546		15951	13465
6.583		1236	273
6.603		794	670
6.632		699	398
6.68		664	2376
6.692		1507	640
6.717		3863	3650
6.776		923	1911
6.798		948	704
6.815		874	366

RT B	Compound B	Height B	Area B
6.836		1335	833
6.875		2468	7540
6.974		1009	1226

AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

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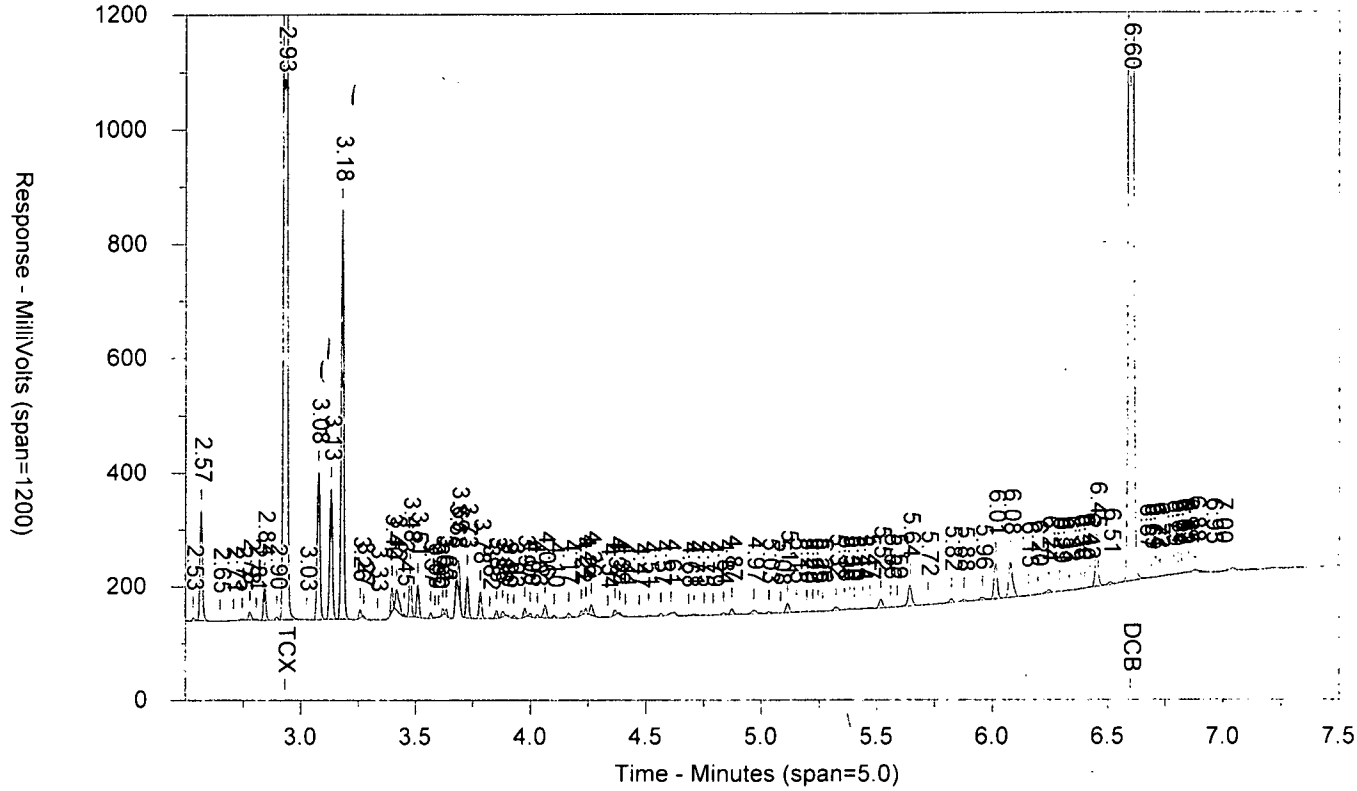

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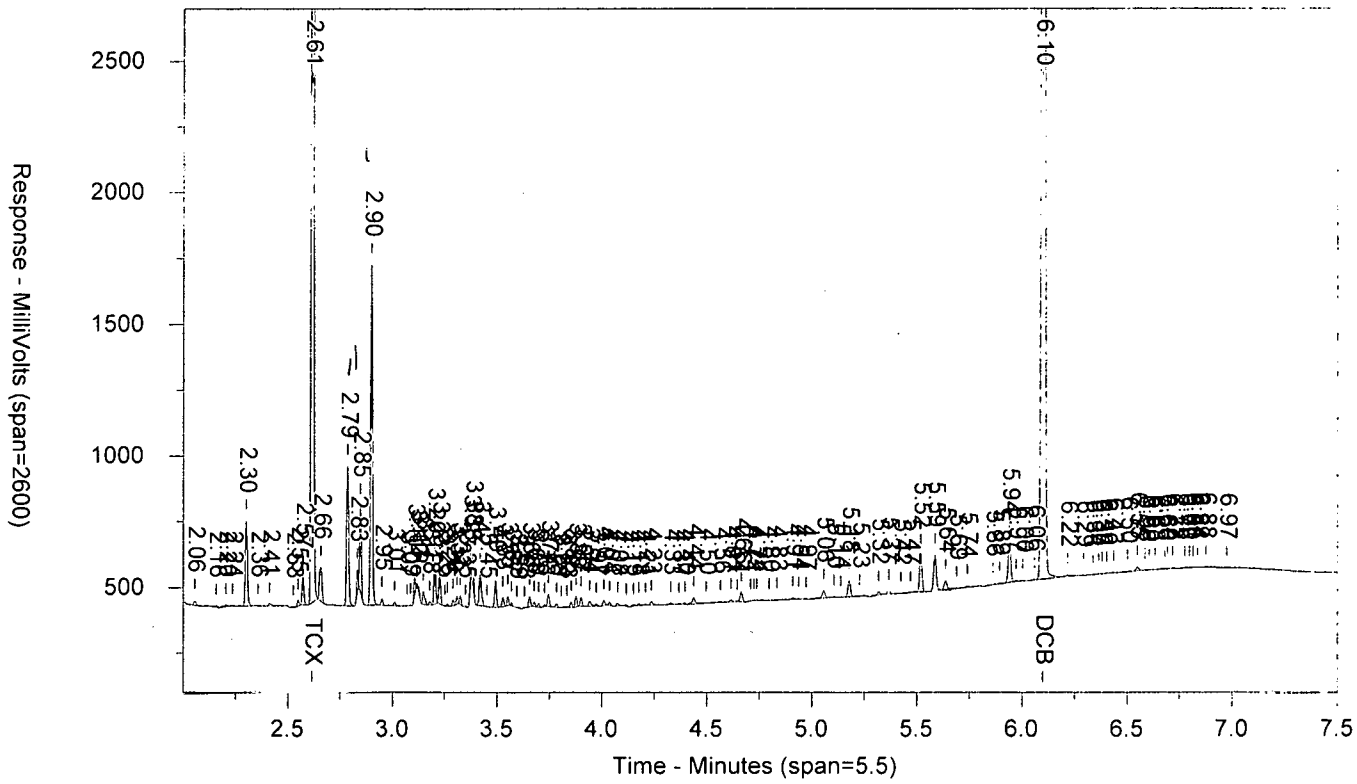

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:37:17 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	5763076	39.289	TCX	2.615	10574720	39.746	TCX
6.597	4495204	39.344	DCB	6.097	14294640	38.61	DCB

Files:
Area File: 25PCBs17289001.027.RAW
Area File: 25PCBs17289001B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:45:48 PM
File Reported On: 10/16/2017 at 11:46:00 PM

AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

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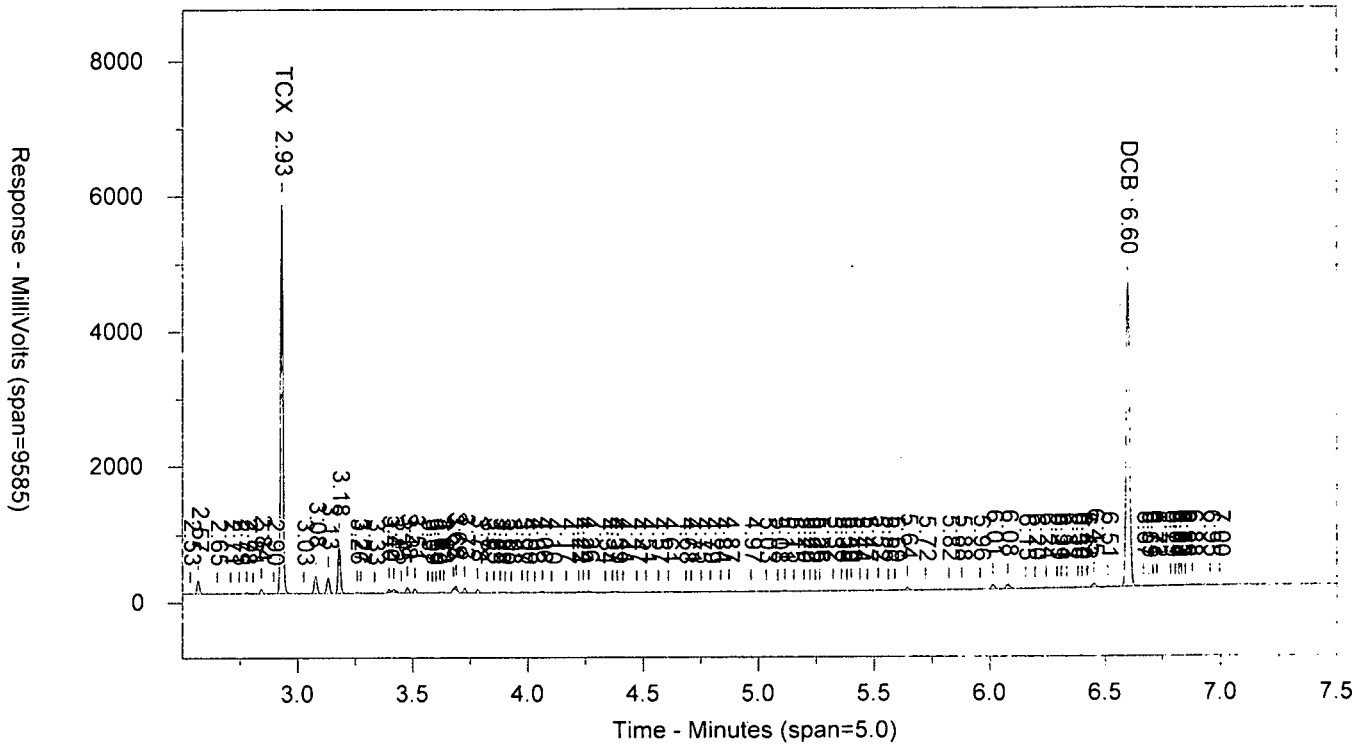

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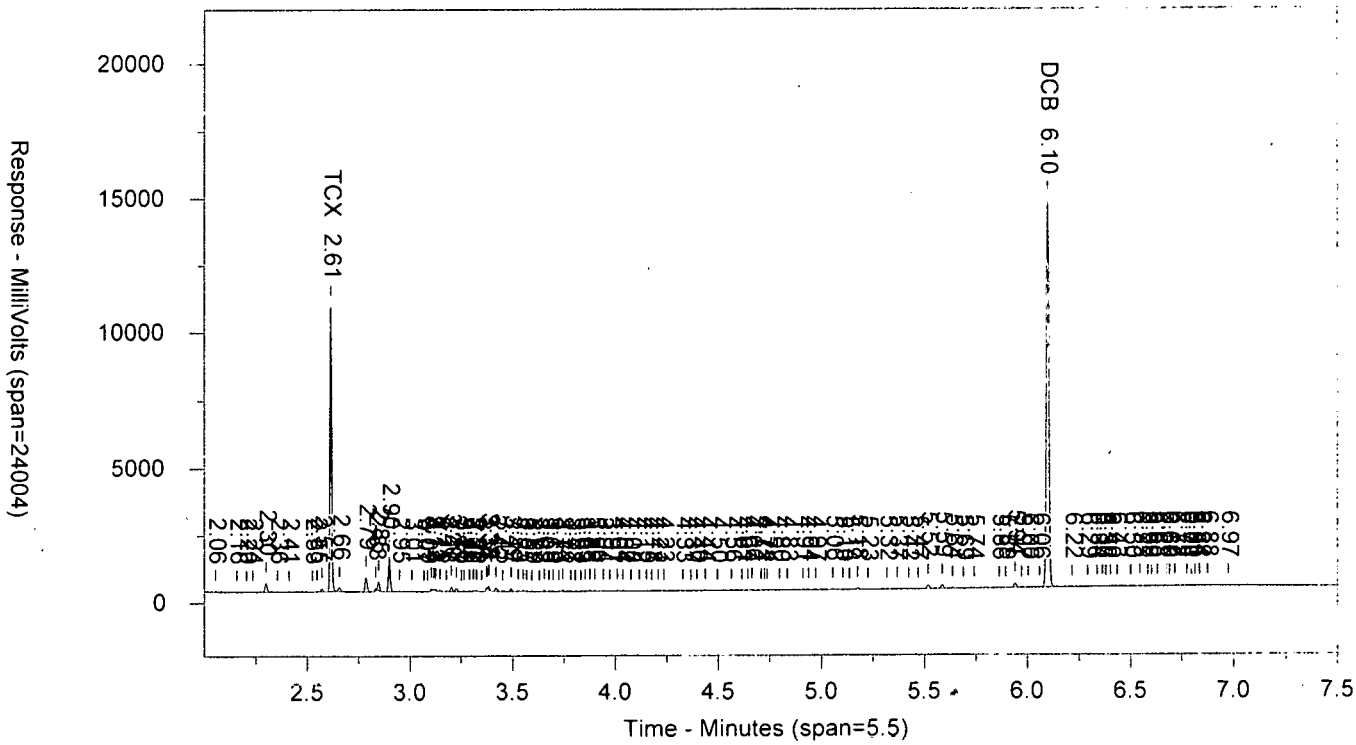

AR2141724A AAAR214AA ICAL 1728899999 10225 SW-846 8082

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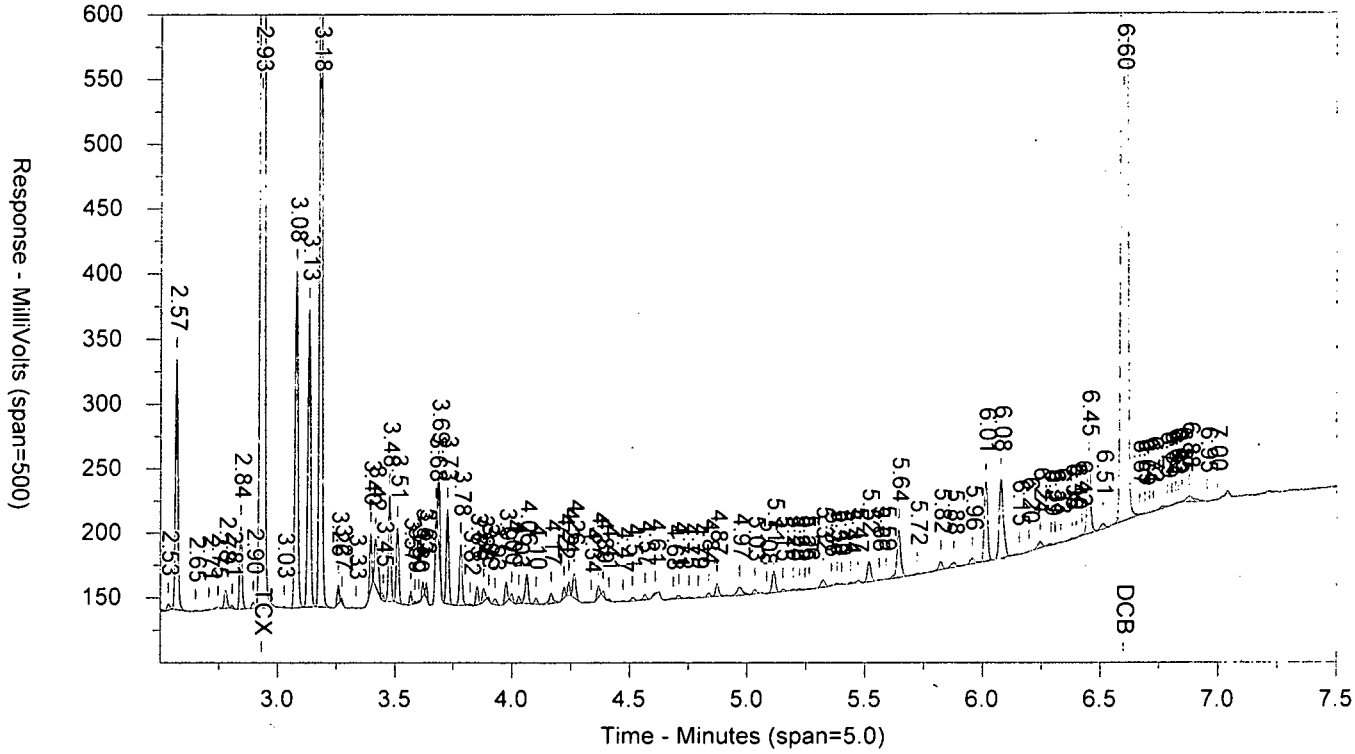

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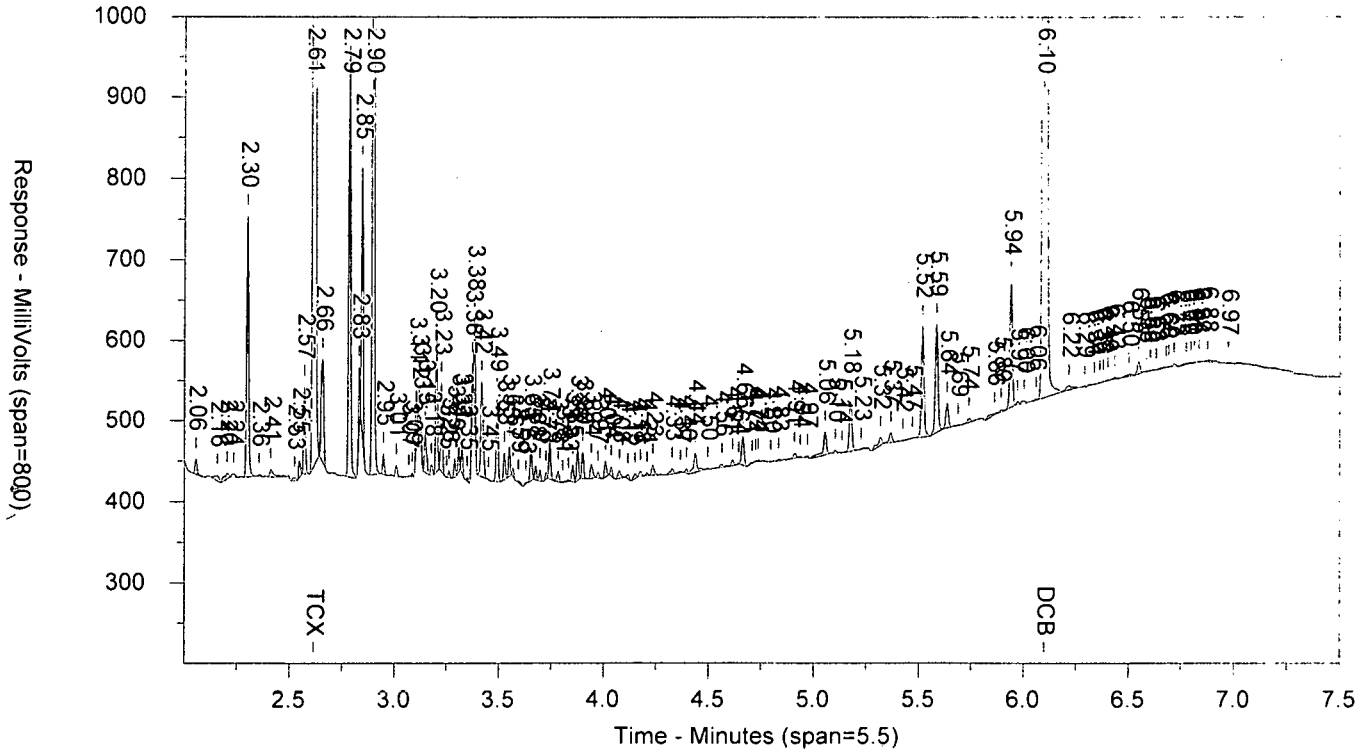

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		8178	8275
2.085		9158	20210
2.231		25764	20585
2.331		22311	21057
2.366		1830	2942
2.49		6000	7413
2.534		5013	4122
2.568		116205	85806
2.651		640	597
2.708		761	390
2.744		1409	1800
2.777		10254	8090
2.805		1495	847
2.842		35285	24837
2.895		4044	3165
2.931	TCX	5844582	4005899
3.028		1231	908
3.078		166747	146582
3.132		177013	153263
3.18		568088	415068
3.257		10700	5804
3.273		21769	13222
3.317		920	994
3.395		214642	130064
3.412		95537	53809
3.449		24620	13749
3.476		60225	41375
3.509		266721	216230
3.566		9853	5746
3.585		8016	4387
3.602		537	209
3.619		61598	33857
3.633		33182	16704
3.677		103574	59031
3.687		276403	145687
3.724		338885	258434
3.782		287981	218437
3.822		19002	13891
3.851		161479	119631
3.878		120572	98864
3.899		35398	18278
3.925		2195	1695
3.973		189462	140392
3.997		71442	45172
4.029		77162	54072
4.061		221483	210390
4.102		67593	53819
4.148		9601	6685
4.165		2625	1273
4.188		15443	10950
4.22		119268	82163
4.239		156449	101095
4.263		212075	164929
4.319		5479	3149

RT A	Compound A	Height A	Area A
4.333		5204	2586
4.366		123436	94292
4.386		72861	47183
4.409		20797	13314
4.448		3383	2452
4.473		6389	5325
4.514		29794	28082
4.564		48090	41008
4.595		23793	17806
4.625		73320	61474
4.672		3434	2850
4.706		37259	36389
4.75		9185	10398
4.797		6934	6413
4.836		51719	47250
4.871		8465	6899
4.915		3398	3787
4.948		3084	2164
4.963		3189	2119
5.032		52368	52386
5.081		1267	885
5.112		17277	17146
5.153		14195	12535
5.192		1077	701
5.219		3654	3166
5.261		3971	3953
5.291		355	168
5.322		5080	6147
5.359		2851	2302
5.381		4423	3474
5.436		2868	2580
5.475		2319	2638
5.517		16086	15660
5.56		2242	2350
5.584		360	196
5.616		7513	6100
5.641		32291	30564
5.703		400	219
5.721		516	349
5.761		399	483
5.822		8332	8629
5.878		2504	4346
5.92		785	618
5.954		3821	4681
6.012		61441	60568
6.077		62601	75065
6.141		508	250
6.168		299	162
6.199		945	1169
6.245		6138	8016
6.301		324	845
6.338		665	492
6.397		467	2093
6.421		1119	1040
6.449		47047	48420
6.509		3728	5334
6.598	DCB	4524525	4554924
6.691		364	316
6.764		1791	2831
6.785		639	102
6.824		814	855
6.88		2586	4082
6.946		621	318
6.974		780	310

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		18559	12827
2.158		7523	16663
2.186		3720	2614
2.204		4432	3048
2.229		4356	4803
2.3		201238	133453
2.412		9697	11313
2.468		1827	1425
2.493		6564	9893
2.534		3367	2970
2.548		15423	9203
2.571		61805	36171
2.615	TCX	10542950	6115619
2.658		104164	81705
2.786		347354	236745
2.832		90394	42054
2.846		232143	121641
2.898		1019209	629574
2.948		25396	16081
3.009		56160	34713
3.068		991	146
3.086		1957	786
3.105		325953	162067
3.116		114560	41384
3.156		65685	51205
3.178		32839	21630
3.202		124874	69635
3.226		510766	332117
3.263		22563	13160
3.29		21095	10460
3.309		140573	73636
3.324		90100	44377
3.351		5865	3318
3.375		313763	132442
3.384		574137	242838
3.404		20643	7520
3.418		554400	376371
3.472		583	198
3.492		564716	362270
3.527		339846	214961
3.55		391110	219787
3.568		136426	68740
3.627		1160	577
3.653		479296	310559
3.676		190730	104117
3.697		172156	102673
3.726		110604	55669
3.743		412842	259892
3.784		155691	114708
3.832		28583	18581
3.853		287297	180527
3.876		530803	340268
3.9		495022	308604
3.919		15097	6725

RT B	Compound B	Height B	Area B
3.94		31070	18783
3.958		9112	3623
3.974		99742	62231
4.009		308900	220890
4.036		221491	133521
4.082		17901	18910
4.118		67756	50739
4.148		9906	7244
4.175		110805	81721
4.207		63939	45176
4.234		160496	122525
4.273		4265	4089
4.327		80464	87932
4.363		16589	12078
4.395		100467	72846
4.42		3974	2037
4.437		16167	9836
4.461		18200	12285
4.487		9304	6894
4.516		3830	2656
4.561		19393	19230
4.591		1910	961
4.612		96694	77498
4.639		1394	333
4.663		31817	24769
4.691		22836	19541
4.722		6282	3214
4.758		5702	5496
4.837		2311	2241
4.86		2946	3984
4.912		11911	10469
4.935		5730	3889
4.968		1260	404
4.983		2153	1232
5.001		1264	224
5.02		2682	1984
5.055		28521	22999
5.084		2317	1515
5.105		18684	16085
5.176		62601	53850
5.245		3277	6484
5.302		2412	3531
5.317		4715	3181
5.362		15710	17433
5.396		914	294
5.429		909	296
5.462		3251	3079
5.491		1271	650
5.518		131913	117893
5.585		130942	115801
5.635		32775	27132
5.668		1138	224
5.714		556	932
5.74		8060	7441
5.797		2329	2393
5.836		1558	1287
5.86		479	819
5.891		2477	1917
5.939		129798	108123
5.97		3979	2590
6.001		2932	3588
6.057		1854	1310
6.097	DCB	14017640	12006870
6.214		4465	8273
6.255		730	79
6.283		1222	694

RT B	Compound B	Height B	Area B
6.318		1697	1040
6.369		961	1176
6.396		1331	1000
6.416		1194	935
6.44		1961	2164
6.505		2619	4082
6.546		15963	13662
6.593		1686	1125
6.621		1298	754
6.679		982	2426
6.723		4498	5911
6.79		1075	558
6.833		1050	1036
6.885		1379	2108
6.918		1818	1433

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

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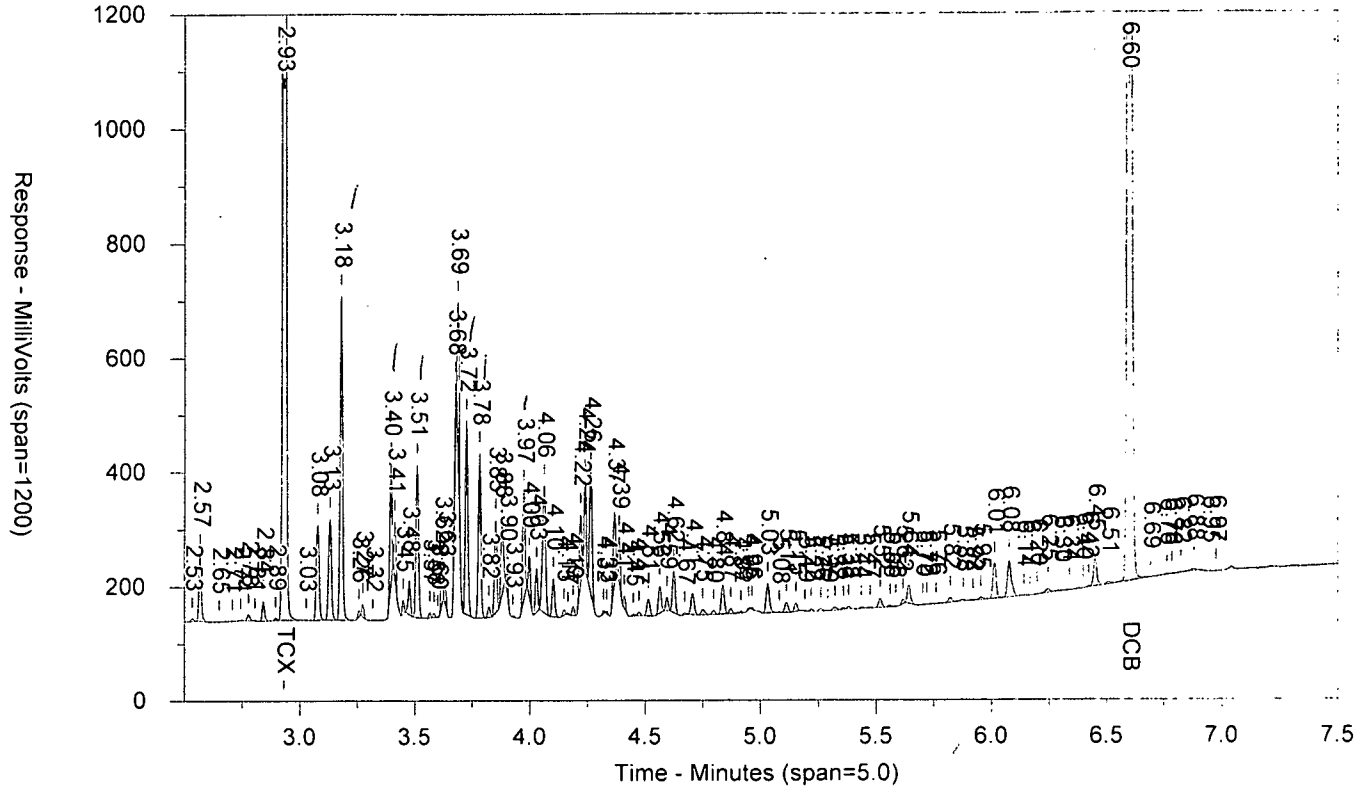

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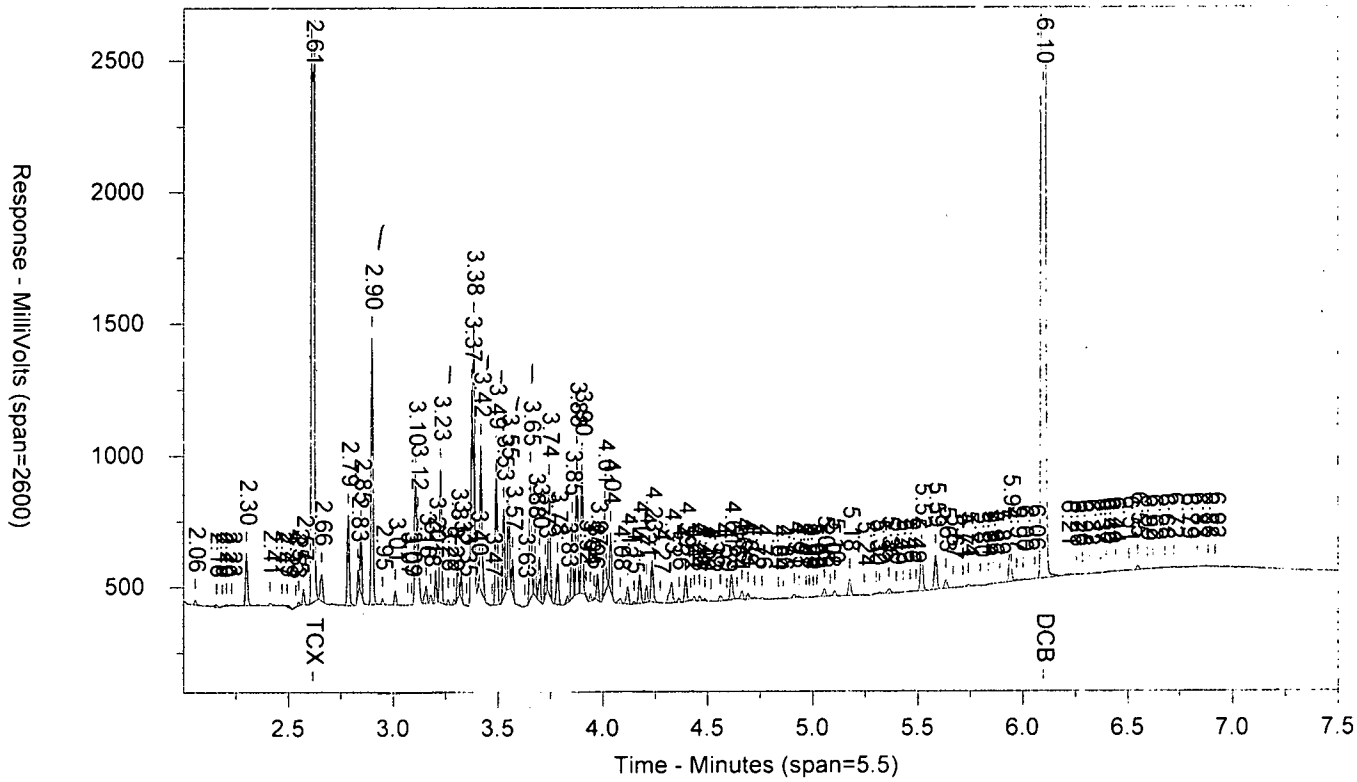

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:48:36 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	5844582	39.844	TCX	2.615	10542950	39.626	TCX
6.598	4524525	39.6	DCB	6.097	14017640	37.862	DCB

Files:
Area File: 25PCBs17289001.028.RAW
Area File: 25PCBs17289001B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/16/2017 11:57:06 PM
File Reported On: 10/16/2017 at 11:57:16 PM

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

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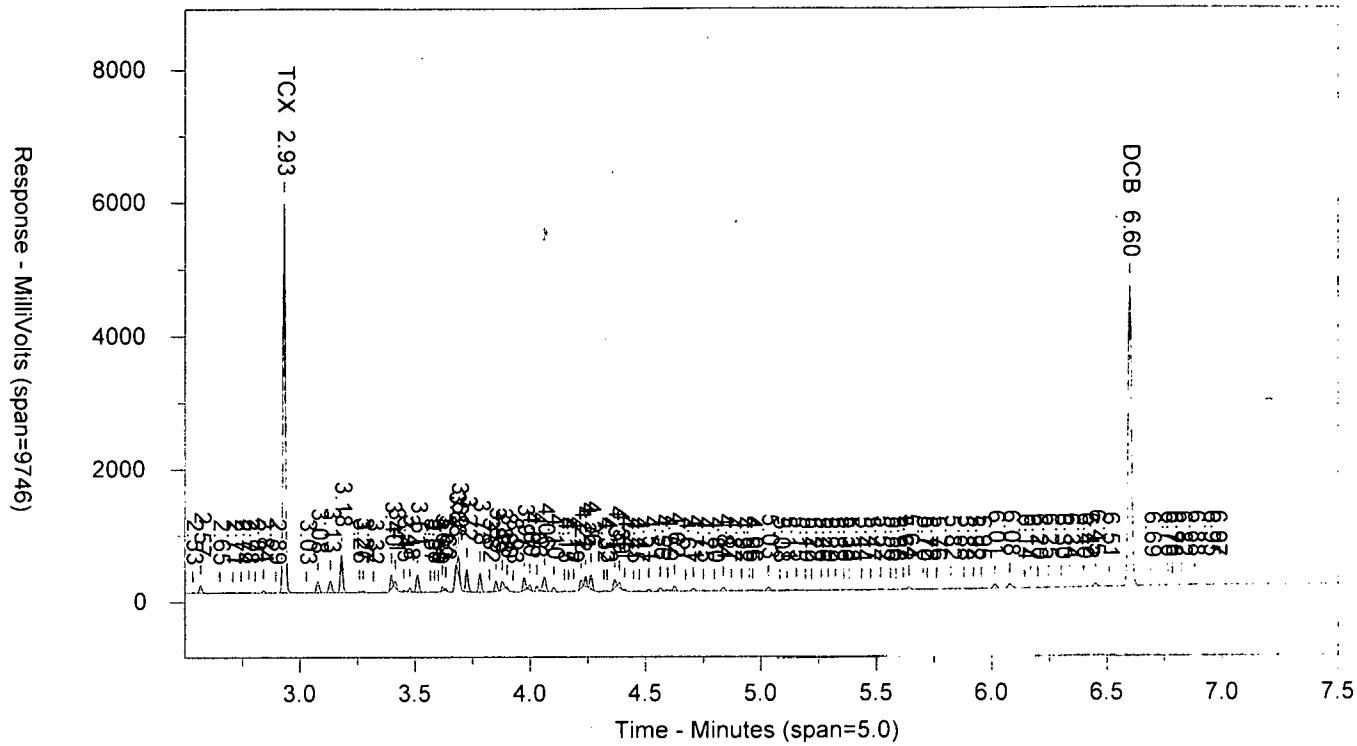

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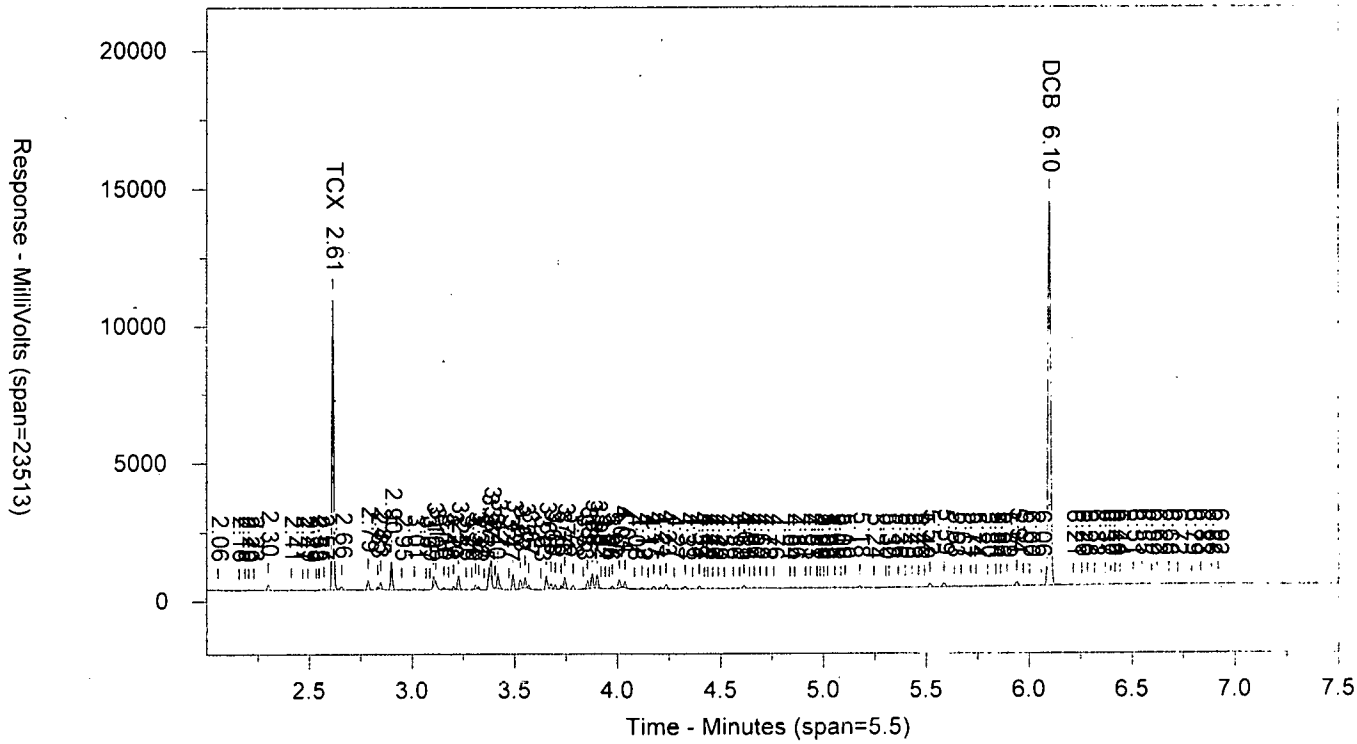

AR3241724A AAAR324AA ICAL 1728899999 10225 SW-846 8082

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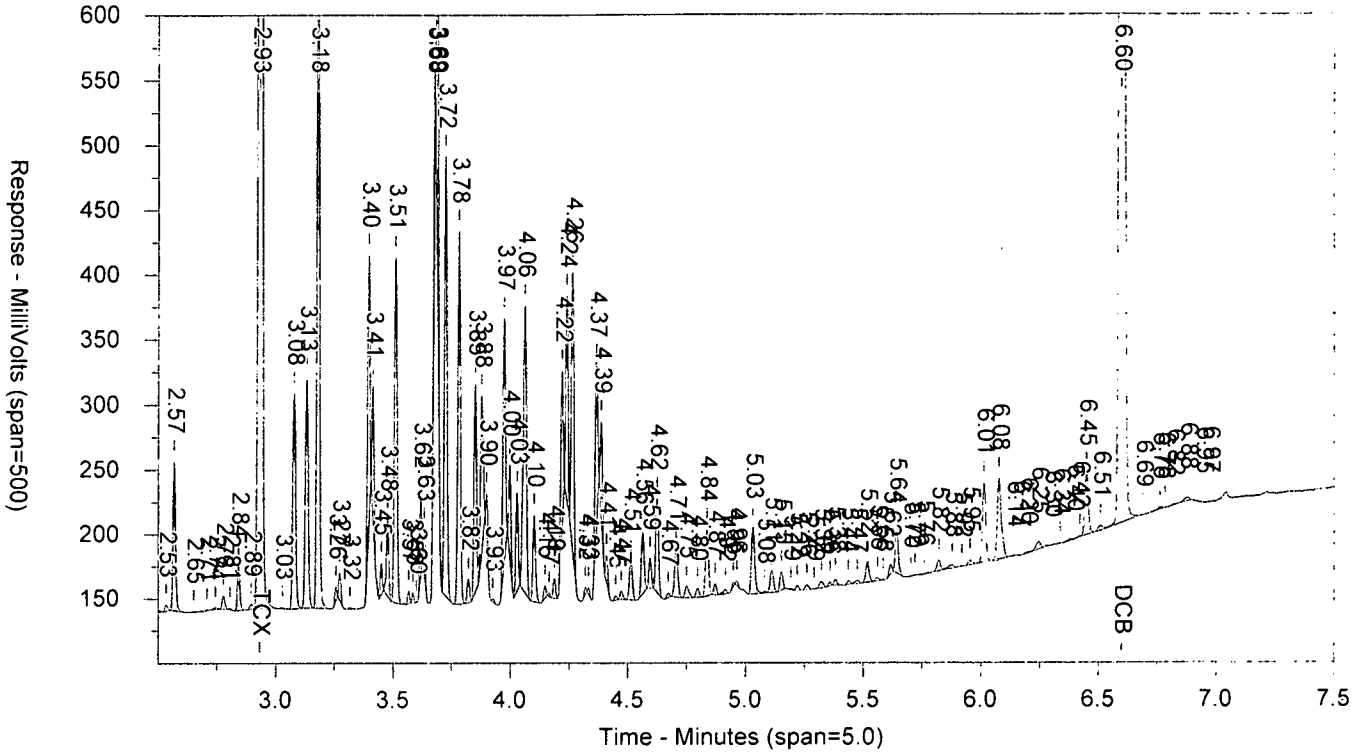

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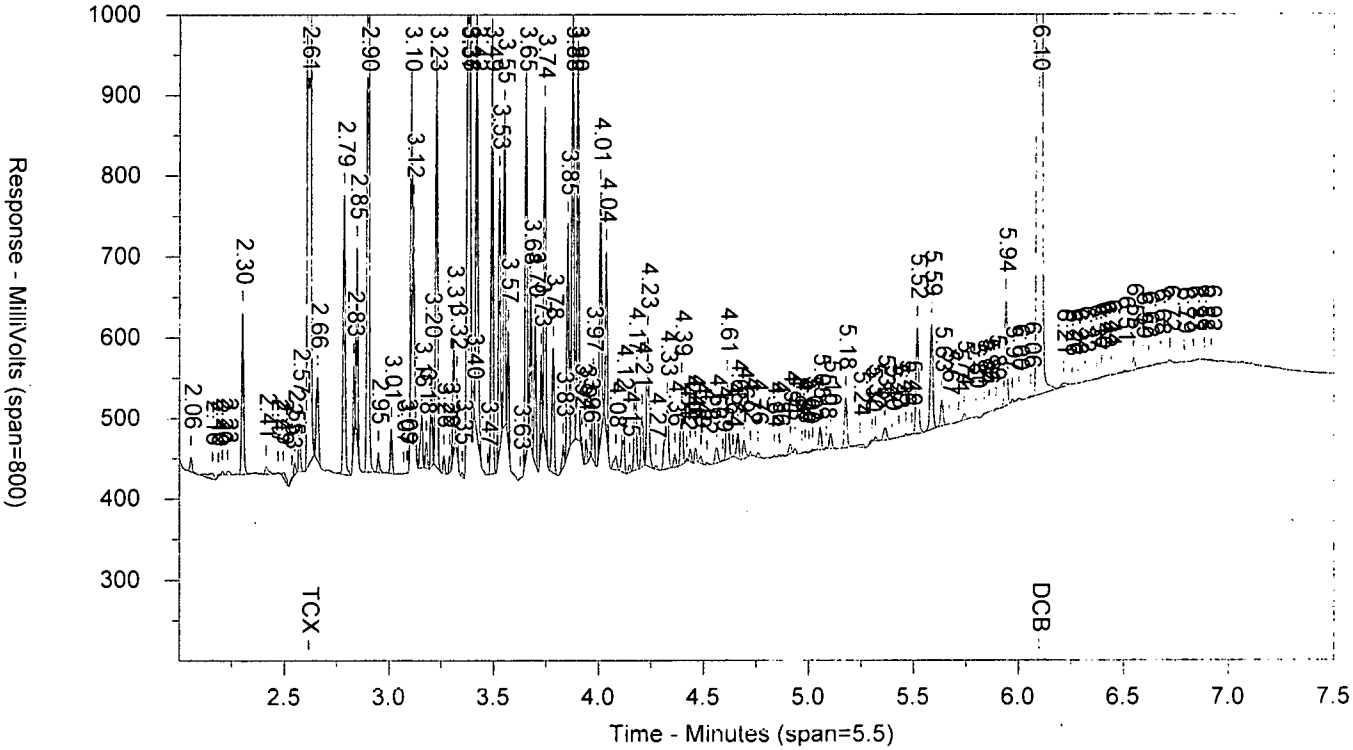

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBs17289001.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		7872	8380
2.082		19957	39166
2.231		25469	19697
2.331		19238	18613
2.366		2168	1974
2.456		298	139
2.49		5819	7154
2.533		4023	3519
2.568		4694	3063
2.589		2715	1649
2.652		667	769
2.716		348	343
2.75		1318	1987
2.778		31523	32210
2.842		1302	1387
2.878		367	258
2.896		3538	2920
2.93	TCX	5728758	4000414
3.028		1426	1249
3.051		1391	838
3.076		67682	57353
3.131		110503	106498
3.179		391670	283617
3.257		8933	4490
3.273		41739	26490
3.316		1284	1160
3.395		368055	227796
3.412		173415	94077
3.449		46674	25719
3.464		3853	1376
3.475		24637	13290
3.509		463704	366730
3.545		1973	997
3.565		9376	5467
3.584		14194	8257
3.618		104126	58355
3.633		52272	25515
3.676		196045	112765
3.687		507769	252155
3.724		566784	439153
3.781		488760	382120
3.822		37072	26341
3.85		303215	225147
3.877		220292	182923
3.899		65727	33030
3.973		361898	260577
3.997		126029	82137
4.028		140396	102317
4.061		418999	393781
4.101		125963	102750
4.148		23926	21502
4.187		34857	24706
4.219		239739	161512
4.239		304921	193693

RT A	Compound A	Height A	Area A
4.262		399038	303481
4.318		10839	6429
4.333		12830	7697
4.367		228974	179199
4.386		125366	77119
4.41		58759	38445
4.449		3882	2502
4.472		13496	10214
4.513		73393	66507
4.563		105012	91840
4.594		60714	46262
4.624		167571	146490
4.676		1711	1359
4.706		82938	79240
4.751		13926	18017
4.795		19214	17176
4.836		129381	123627
4.871		8807	6617
4.914		13033	15490
4.947		7940	5427
4.961		5529	3861
5.031		131266	131161
5.08		3815	2775
5.111		18785	19386
5.151		35507	31598
5.173		1698	856
5.192		2550	1330
5.22		2694	2465
5.261		2050	2274
5.297		359	189
5.323		4585	5506
5.357		13218	10444
5.38		4145	2986
5.439		2830	2584
5.477		2376	2909
5.516		15809	15702
5.555		8851	7918
5.58		1479	969
5.616		7368	5361
5.64		33059	30291
5.722		1274	1556
5.77		440	570
5.82		10131	10129
5.874		2434	4202
5.919		983	637
5.958		3139	4351
6.012		62181	62797
6.075		63843	78490
6.141		567	794
6.192		648	289
6.243		6795	8780
6.303		381	1598
6.332		563	434
6.376		1296	1739
6.42		930	802
6.448		47994	49424
6.509		3550	4778
6.595	DCB	4573039	4538771
6.684		451	236
6.7		502	326
6.737		674	605
6.769		994	1766
6.786		744	339
6.818		666	486
6.836		489	349
6.875		4555	12081

RT A	Compound A	Height A	Area A
6.972		1010	304

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBs17289001B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		19021	12989
2.158		10094	8257
2.189		3045	2423
2.204		2775	1698
2.232		4271	4575
2.3		9959	7165
2.359		2463	2921
2.412		6791	8593
2.471		8501	43707
2.532		8852	7762
2.548		61789	61999
2.615	TCX	10484660	6116158
2.658		63667	44327
2.786		143242	93686
2.833		98741	47515
2.846		120268	60042
2.898		686675	434779
2.948		24835	14414
2.989		1699	867
3.009		96631	60292
3.067		474	235
3.074		1029	226
3.089		858	229
3.105		566759	282641
3.116		201385	80134
3.156		112319	67794
3.177		54289	33783
3.203		80266	44671
3.227		853510	570898
3.263		36900	20773
3.291		19792	9583
3.31		233339	122026
3.325		131664	65839
3.35		2713	1407
3.375		492752	230266
3.385		1089177	446692
3.404		39098	14092
3.418		940100	630350
3.492		1037793	632331
3.527		669889	413252
3.55		751800	420595
3.568		254713	131008
3.631		975	836
3.653		919960	591391
3.677		356876	191458
3.697		323196	191693
3.726		212391	106404
3.743		820958	489114
3.784		294266	214173
3.832		57302	39798
3.853		563224	352535
3.876		1076341	675760
3.9		972107	586887
3.918		36053	16552

RT B	Compound B	Height B	Area B
3.939		51033	29198
3.958		13710	5669
3.973		225995	145298
4.008		619882	444484
4.036		403020	249689
4.083		35911	28798
4.117		150220	114293
4.149		5576	3715
4.174		248727	189151
4.207		154705	107564
4.234		361207	266901
4.271		6505	5941
4.326		159368	173613
4.362		42727	31094
4.395		262643	192103
4.417		6134	2893
4.435		16481	10134
4.462		36214	22578
4.486		23987	16587
4.56		36195	37807
4.612		245506	191694
4.64		3514	1658
4.662		21944	17486
4.69		73070	63929
4.737		6446	3866
4.76		3560	2640
4.834		3590	3600
4.859		859	495
4.878		4282	3256
4.911		8647	6141
4.933		26869	19798
4.971		1288	809
4.986		1257	830
5.019		3088	2558
5.054		28153	22826
5.082		13818	9240
5.103		15643	11199
5.176		64087	53875
5.227		1493	1110
5.301		812	2392
5.317		6102	4320
5.338		1369	426
5.363		15548	15958
5.394		1265	839
5.435		1413	1265
5.461		3792	3947
5.517		136063	119016
5.584		137469	124558
5.634		34931	29379
5.687		1573	1771
5.741		10919	10448
5.779		1248	1776
5.796		2349	2088
5.871		1047	7407
5.891		2583	2080
5.938		130600	108742
5.97		3199	2123
6.003		2388	2548
6.032		1171	660
6.061		970	1566
6.096	DCB	14237460	12065760
6.218		3448	5415
6.242		819	526
6.27		982	372
6.33		1034	1743
6.379		1680	1341

RT B	Compound B	Height B	Area B
6.396		1757	1421
6.429		3615	3166
6.487		287	651
6.501		1504	905
6.544		16246	17893
6.636		1250	709
6.66		1073	621
6.667		1125	423
6.717		3646	5394
6.786		1155	3145
6.807		1019	827
6.842		1182	1093
6.862		1269	535
6.912		2217	1167

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

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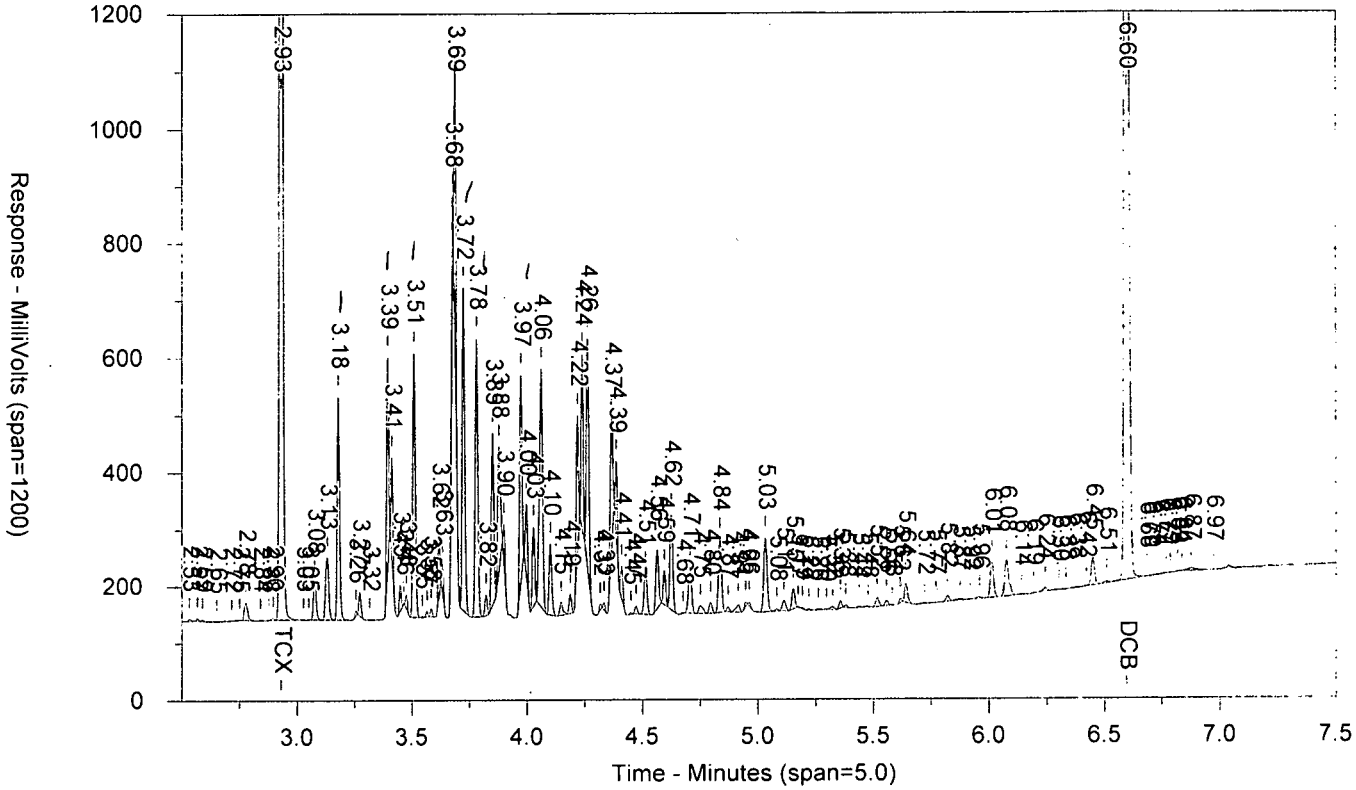

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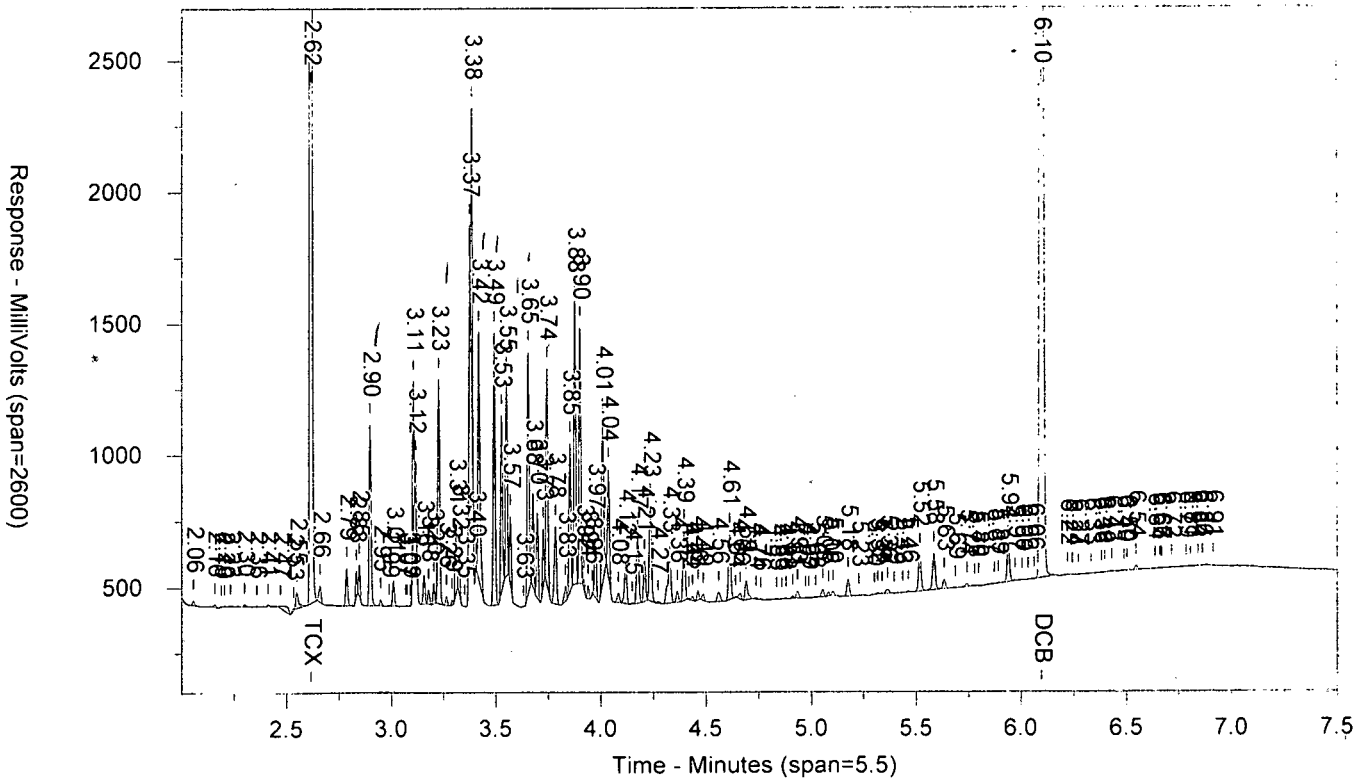

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/16/2017 11:59:44 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.93	5728758	39.055	TCX	2.615	10484660	39.407	TCX
6.595	4573039	40.025	DCB	6.096	14237460	38.456	DCB

Files:
Area File: 25PCBs17289001.029.RAW
Area File: 25PCBs17289001B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:08:15 AM
File Reported On: 10/17/2017 at 12:08:24 AM

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

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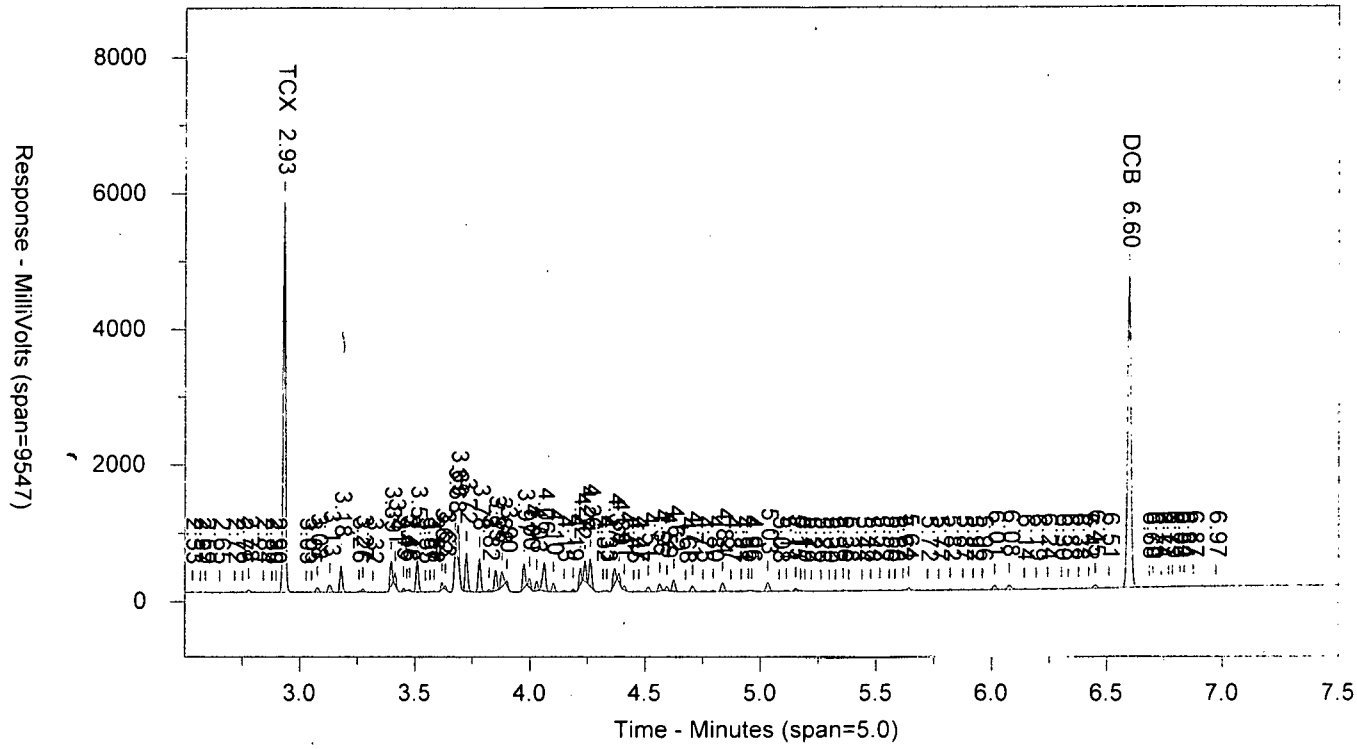

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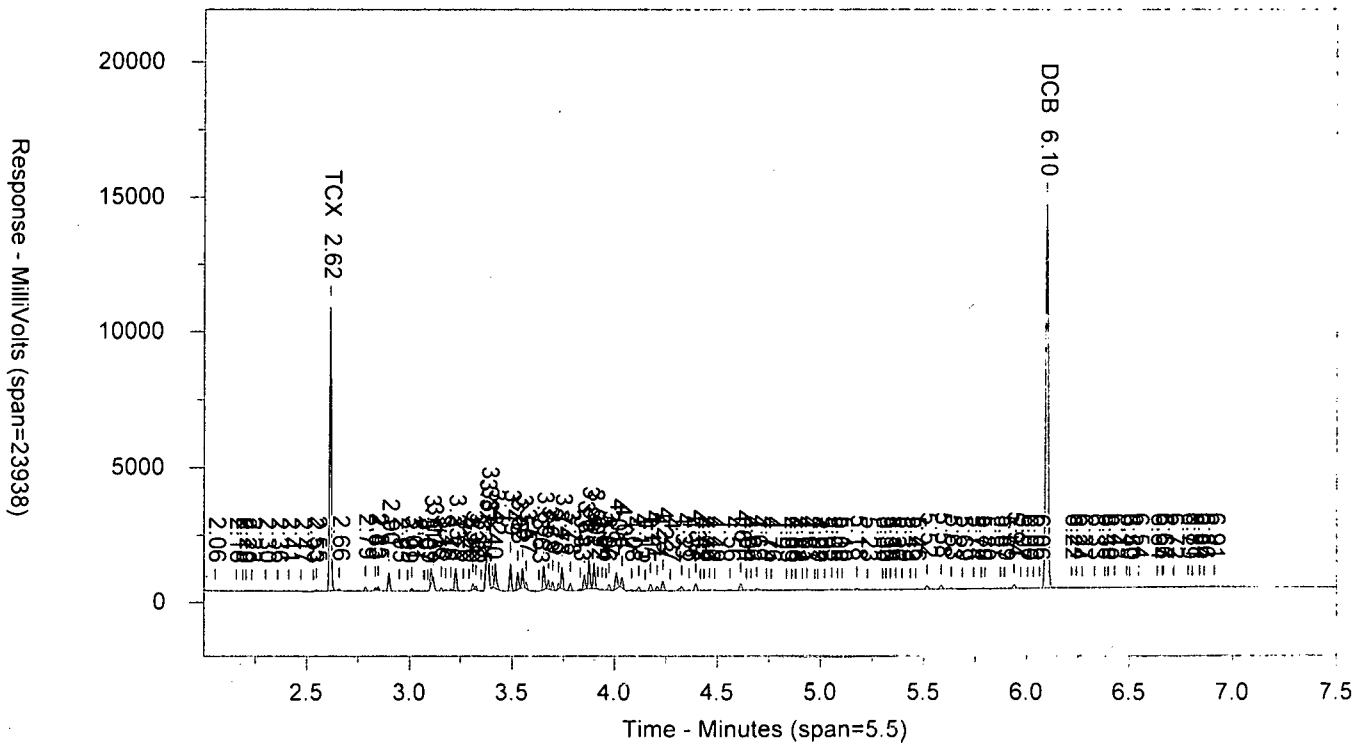

AR4241724A AAAR424AA ICAL 1728899999 10225 SW-846 8082

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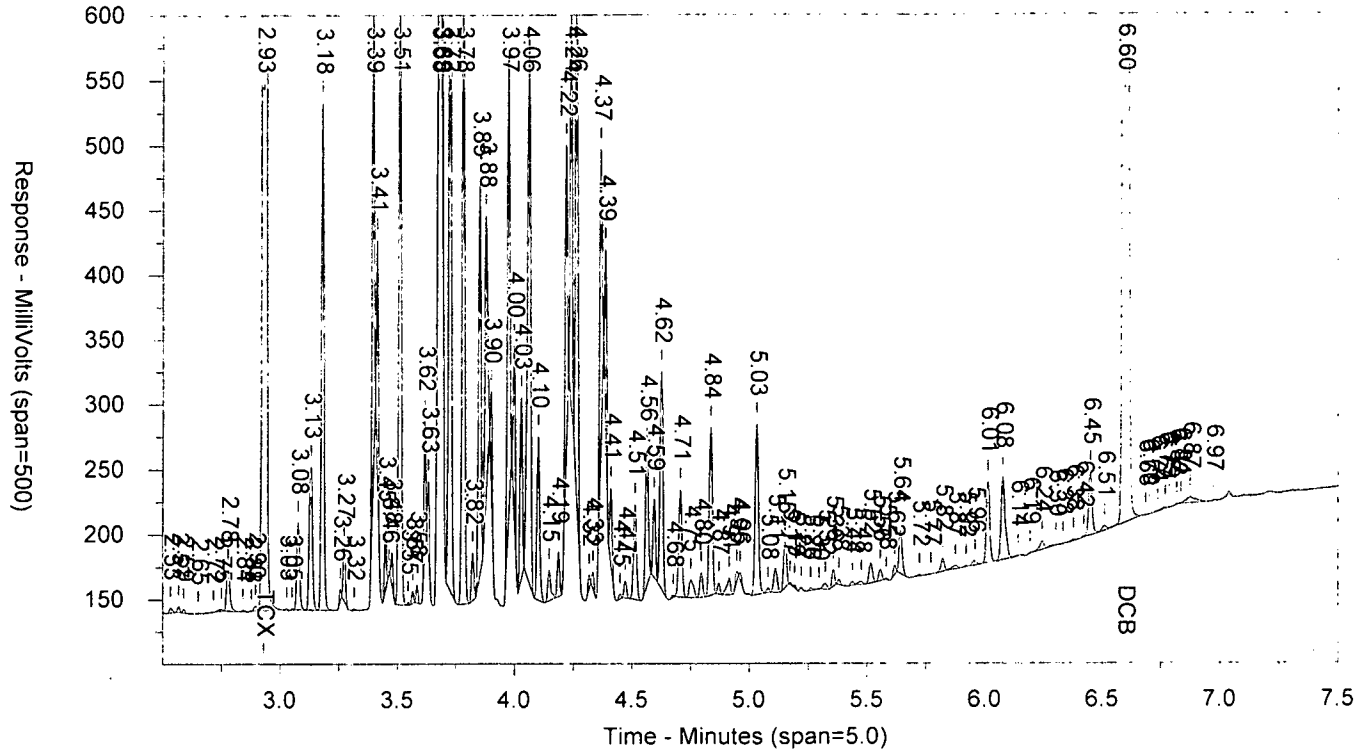

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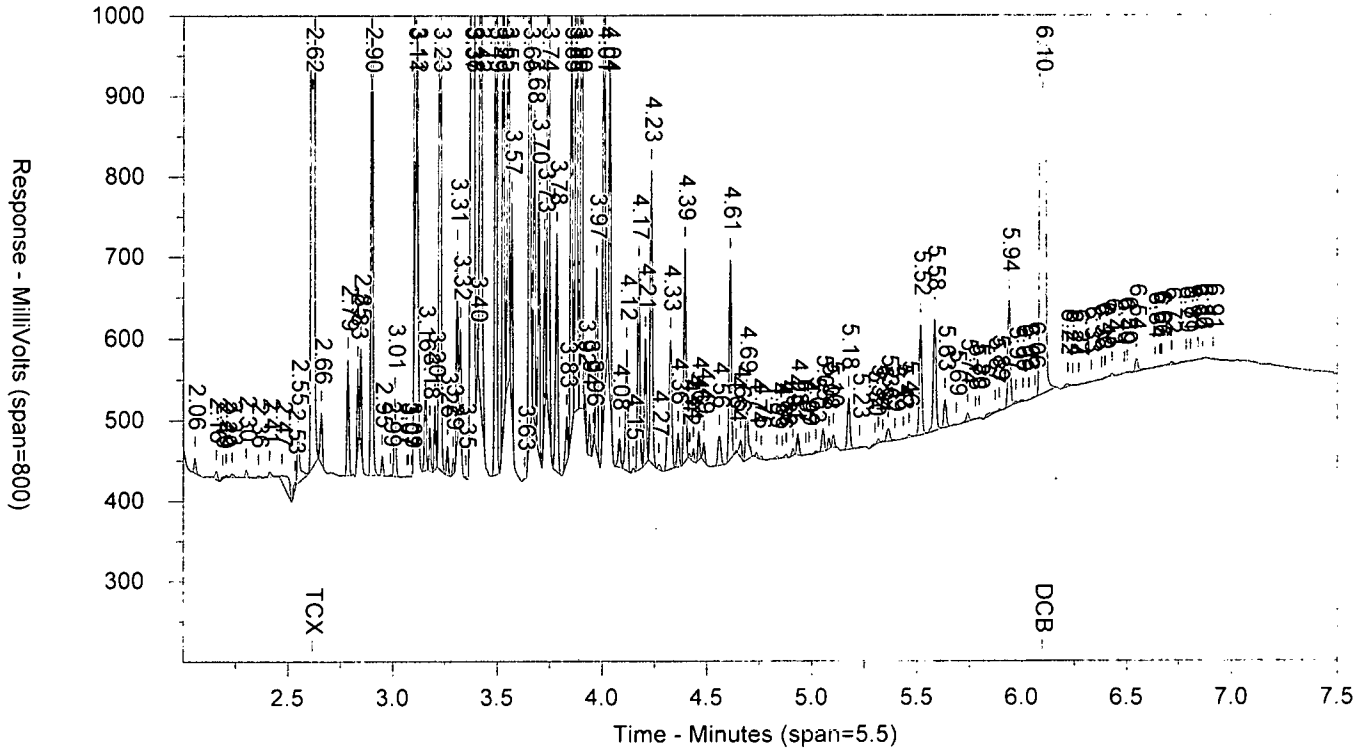

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 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: 25PCBs17289001.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.012		465	256
2.036		6677	7024
2.083		9095	25134
2.171		2715	4079
2.207		244	138
2.231		37939	29033
2.306		404	227
2.337		17497	18762
2.365		1601	1351
2.434		706	579
2.49		5106	6443
2.532		941	754
2.568		4943	3308
2.59		4918	2977
2.647		778	811
2.713		361	685
2.738		1223	1658
2.777		15208	14230
2.843		1514	1444
2.871		334	161
2.895		3351	2722
2.931	TCX	9272318	6264558
3.028		2011	1374
3.077		75674	66224
3.13		142989	140850
3.18		448810	331026
3.258		13140	6627
3.273		47692	30050
3.316		1579	1405
3.395		434341	267940
3.412		207566	108403
3.449		53591	30784
3.465		4789	1755
3.476		30044	15761
3.51		548757	434546
3.546		2238	1220
3.566		15411	9056
3.584		14409	8261
3.619		121379	70411
3.634		59179	30126
3.677		231018	120895
3.687		588126	305198
3.725		661094	521604
3.781		590142	459019
3.822		44817	31845
3.851		351082	265404
3.878		247931	208533
3.899		72124	39899
3.973		427507	311877
3.997		148591	96506
4.029		162979	118782
4.062		458485	445934
4.102		144887	118994
4.148		19635	18079

RT A	Compound A	Height A	Area A
4.187		24078	17926
4.221		140985	97160
4.239		114644	72871
4.263		123623	95824
4.317		1692	971
4.332		2784	1846
4.366		39039	51117
4.409		2846	1705
4.474		737	558
4.512		2341	2535
4.566		4170	3822
4.608		3517	6371
4.684		417	430
4.709		1598	1574
4.749		777	663
4.788		707	593
4.837		2573	2299
4.871		14851	13815
4.966		4160	5607
5.034		2149	1880
5.057		878	728
5.112		25575	25076
5.153		1583	1346
5.192		1355	1333
5.26		531	399
5.324		3946	5469
5.359		911	866
5.382		1003	588
5.406		597	226
5.442		806	765
5.467		2074	2482
5.517		23455	23617
5.59		495	400
5.641		52321	55567
5.722		783	880
5.764		488	502
5.821		2769	2730
5.866		1452	1473
5.913		413	308
5.956		3009	4093
6.012		93517	92630
6.076		93821	112597
6.149		300	658
6.243		2403	3621
6.28		1361	1286
6.342		636	1388
6.38		1970	2855
6.418		1166	712
6.448		70441	70474
6.506		3593	4423
6.597	DCB	7121745	6901277
6.694		782	351
6.719		671	610
6.766		1273	1629
6.798		811	374
6.821		1037	736
6.843		562	381
6.878		4259	10241
6.983		703	420

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 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: 25PCBs17289001B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		28842	19981
2.112		2222	1863
2.158		16322	12918
2.189		3781	2847
2.209		1680	1060
2.235		3812	4236
2.299		10376	7228
2.352		2048	2694
2.467		4037	15799
2.533		3181	1422
2.547		24471	16321
2.615	TCX	16576730	9603962
2.658		70549	48377
2.785		165059	111510
2.832		154843	74674
2.846		129631	64529
2.898		818196	502925
2.948		38219	22515
3.009		112368	70226
3.061		521	108
3.068		1491	831
3.086		595	204
3.105		663278	331083
3.116		240778	91031
3.156		130077	80315
3.177		59743	33830
3.203		94834	52904
3.227		1001548	677269
3.263		38970	21255
3.291		35309	16436
3.309		274149	143362
3.325		158244	78572
3.349		656	161
3.375		575580	270441
3.385		1309165	551655
3.404		47935	17411
3.418		1148684	740993
3.492		1239564	757860
3.527		792434	481663
3.55		893048	494531
3.568		304574	154820
3.628		778	352
3.635		1044	210
3.654		1068935	694527
3.676		409828	223264
3.697		372164	224131
3.726		239505	121439
3.743		890732	541599
3.784		325661	234538
3.832		43183	33113
3.853		250083	158926
3.876		523882	329304
3.9		255885	152520
3.919		38202	19155

RT B	Compound B	Height B	Area B
3.941		19464	14056
3.974		22923	14392
4.009		27441	14741
4.022		24517	10749
4.036		11081	4725
4.074		9797	8626
4.11		2858	3634
4.151		8403	7404
4.172		3773	2601
4.208		1707	1503
4.234		7360	7835
4.327		4761	5218
4.363		1640	1086
4.394		4780	2967
4.436		31810	28324
4.46		1843	783
4.562		3815	4686
4.612		6145	4877
4.662		55955	42781
4.721		1026	3751
4.739		2355	1665
4.766		1168	1339
4.834		1677	1117
4.855		960	674
4.909		3741	2717
4.937		2256	1695
4.975		3350	2196
5.004		1265	662
5.054		42484	37239
5.104		2245	1318
5.123		813	438
5.175		91940	81063
5.294		2693	2616
5.319		2053	1524
5.363		5439	6659
5.418		1695	1898
5.486		984	2550
5.517		189844	172534
5.585		200802	177401
5.634		43254	37473
5.671		1460	923
5.745		1762	2963
5.805		2471	4625
5.85		1127	3190
5.873		1111	820
5.892		4128	4065
5.939		187367	158123
5.968		5483	3901
5.992		3836	4451
6.029		1394	535
6.057		2688	2434
6.096	DCB	21315800	17950240
6.211		5911	10816
6.289		1115	1413
6.311		1128	432
6.339		1088	406
6.364		2249	1641
6.381		1702	961
6.412		970	1752
6.435		2999	2298
6.487		935	897
6.546		22881	21131
6.579		1468	745
6.601		1076	468
6.629		1012	1306
6.648		1053	431

RT B	Compound B	Height B	Area B
6.697		879	174
6.719		4588	4487
6.768		1160	919
6.815		1226	849
6.86		1202	1026
6.958		1116	1109

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

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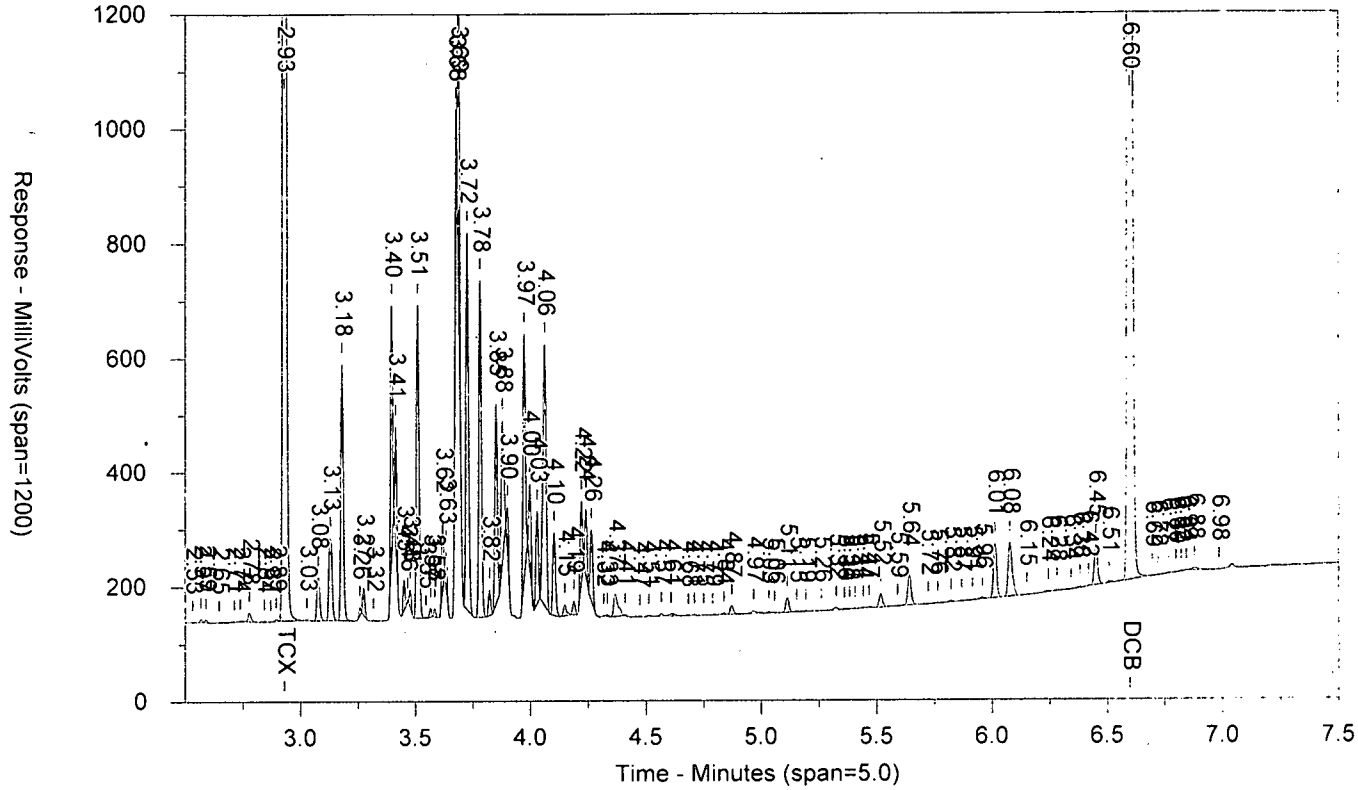

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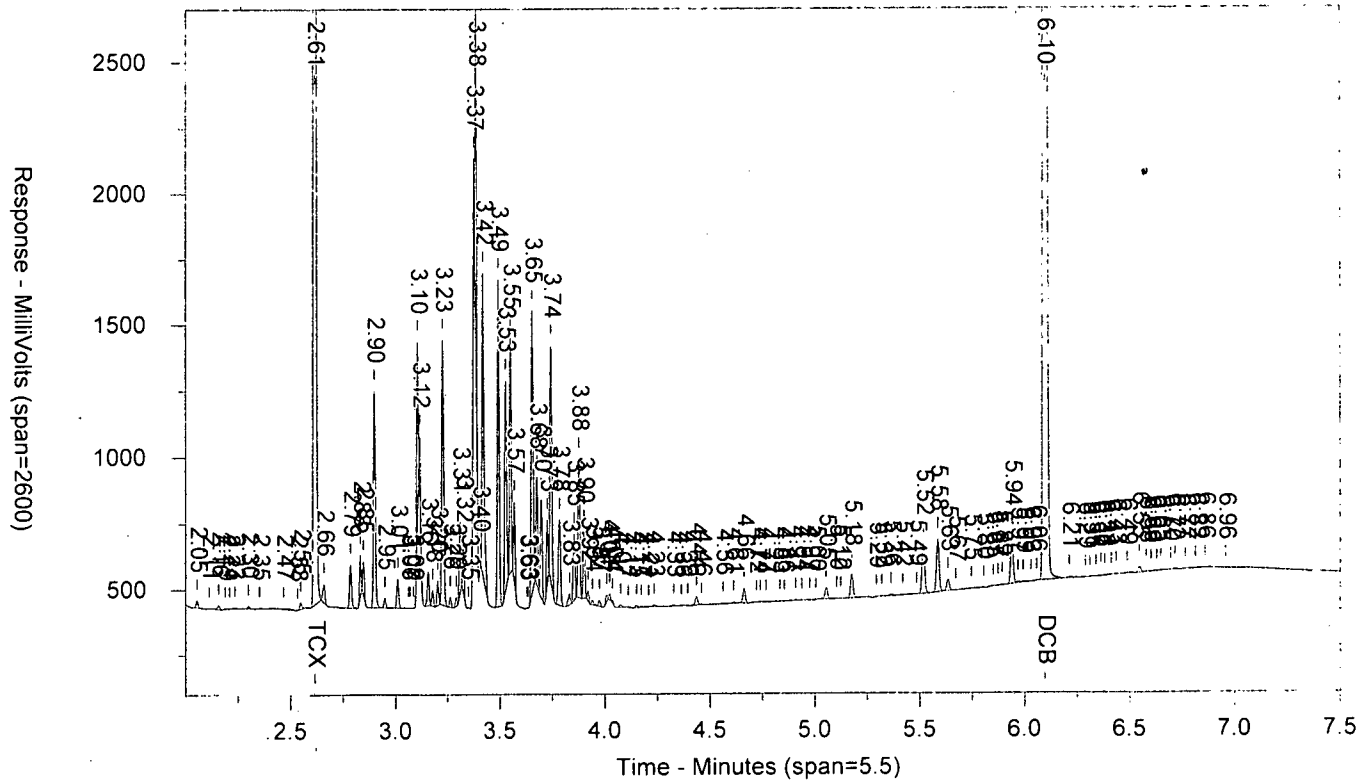

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:11:04 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
2.931	9272318	63.212	TCX	2.615	16576730	62.305	TCX
6.597	7121745	62.332	DCB	6.096	21315800	57.574	DCB

Files:
Area File: 25PCBs17289001.030.RAW
Area File: 25PCBs17289001B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:19:35 AM
File Reported On: 10/17/2017 at 12:19:46 AM

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

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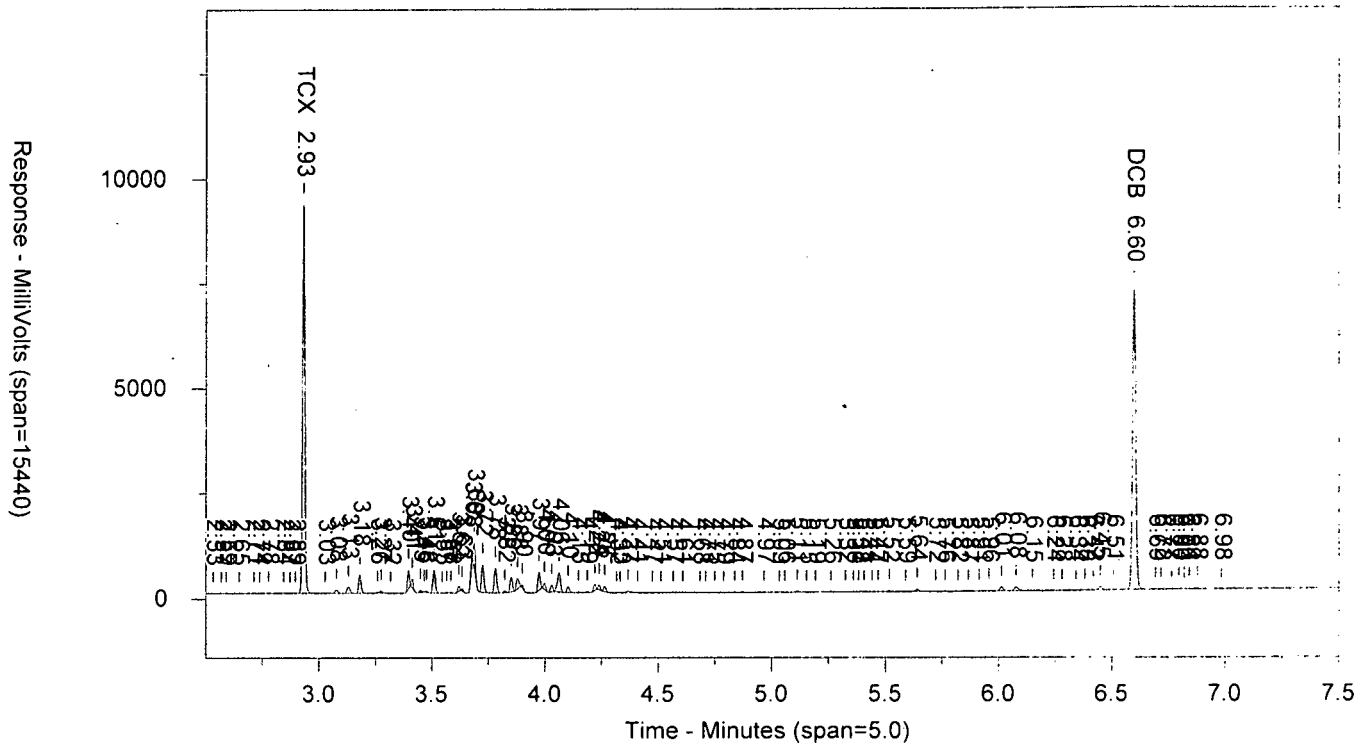

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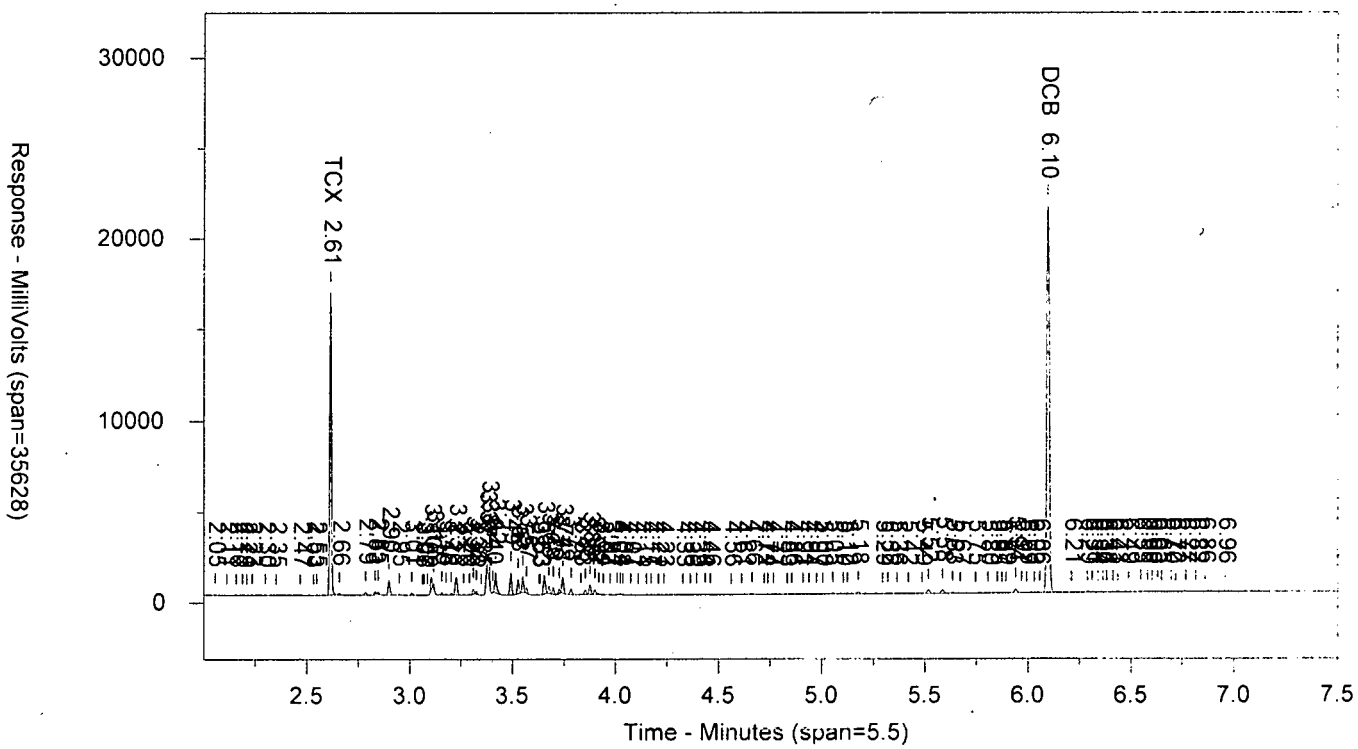

AR16XX1724B AAAR16XAA ICAL 1728899999 10225 SW-846 8082

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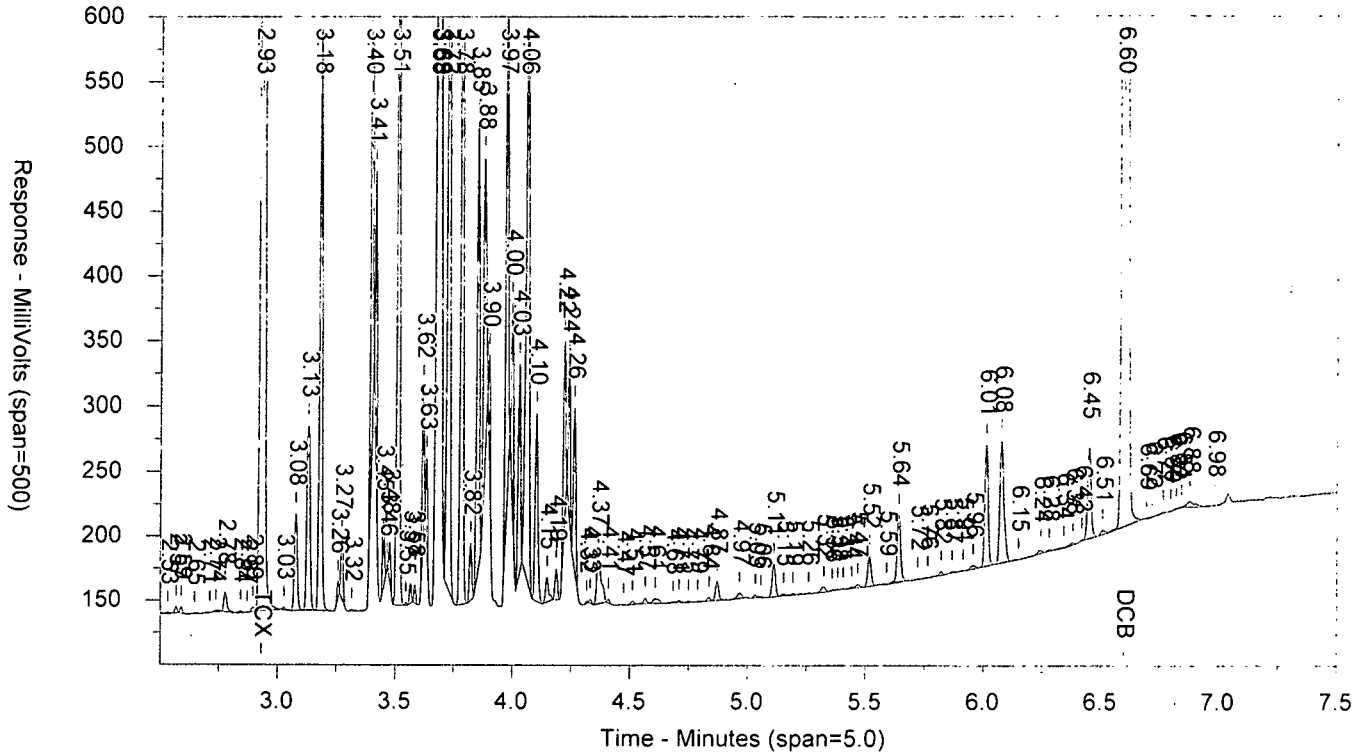

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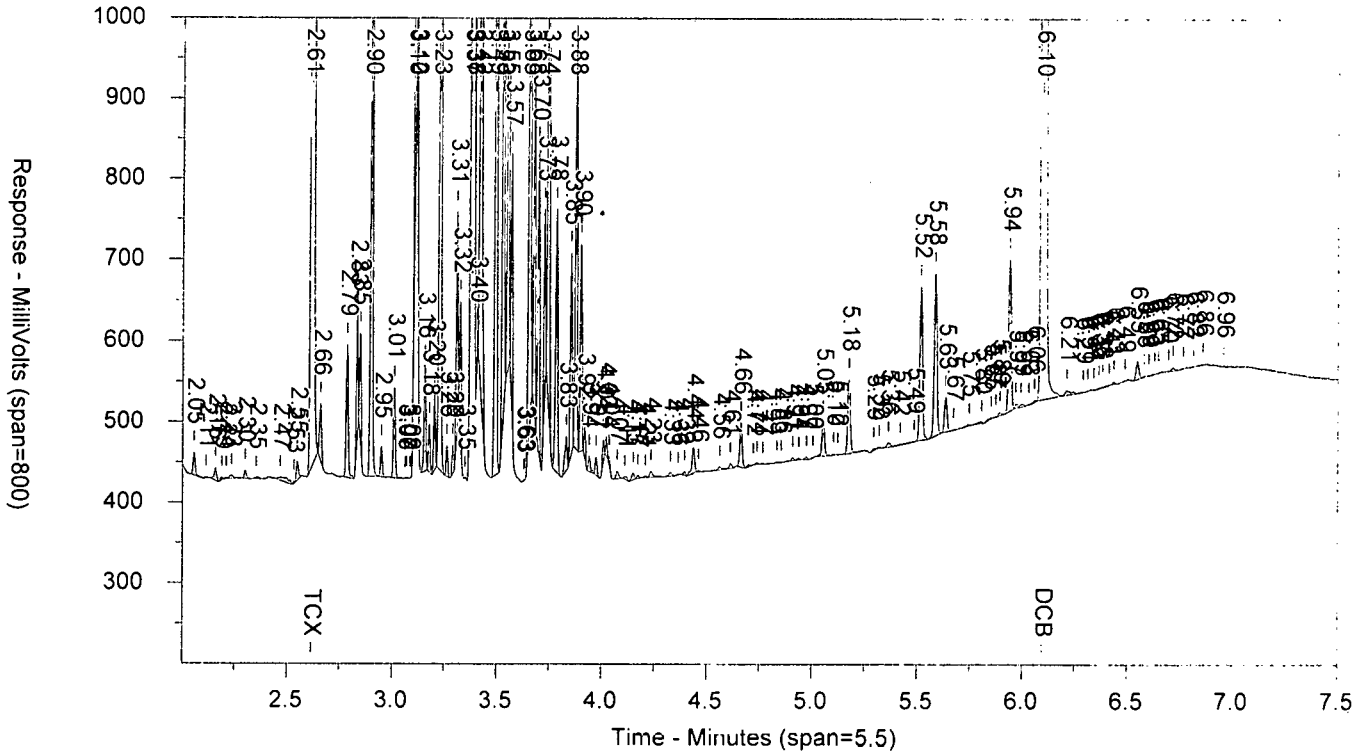

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 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: 25PCBs17289001.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.036		8703	8443
2.084		9973	21869
2.305		554	318
2.331		16694	11474
2.366		2409	3638
2.491		6395	7171
2.535		1379	1230
2.59		726	669
2.655		743	838
2.691		379	194
2.706		680	331
2.746		1337	1642
2.778		19318	18006
2.874		501	231
2.895		4766	4028
2.931	TCX	56107	39708
3.021		444	522
3.076		2551	3264
3.134		2765	2243
3.181		13970	9463
3.262		4845	6211
3.327		710	522
3.369		320	283
3.396		13729	8210
3.412		5765	3084
3.45		1335	833
3.479		1315	1242
3.51		17172	13279
3.544		914	961
3.602		2545	1832
3.619		2646	1229
3.635		1874	909
3.678		7411	4232
3.688		15233	7901
3.725		20213	15700
3.782		16711	12919
3.823		1075	724
3.852		11599	8678
3.879		7614	6507
3.901		2024	942
3.928		3900	3718
3.975		12482	9217
3.998		3849	2504
4.029		5066	3733
4.063		13623	12330
4.103		3805	3111
4.166		7462	8883
4.223		12368	9236
4.24		1507	735
4.266		8342	9349
4.333		1831	1635
4.377		14518	16746
4.474		352	357
4.513		1705	1573

RT A	Compound A	Height A	Area A
4.565		1638	911
4.581		2949	1866
4.624		8929	11725
4.674		13776	14820
4.712		2829	2146
4.751		30407	29669
4.837		4970	5078
4.867		535	297
4.897		5652	5197
4.949		37112	52203
5		6639	5546
5.039		16586	19459
5.119		3565	4381
5.153		45296	46620
5.195		714	248
5.22		22182	20906
5.262		13119	12911
5.322		4973	6159
5.356		5477	4172
5.381		23729	21303
5.439		12401	11787
5.477		6900	6793
5.518		1987	2115
5.561		7438	8430
5.617		60192	55430
5.645		3361	4099
5.728		320	540
5.821		39477	37957
5.851		2156	1402
5.875		8389	9334
5.954		4381	6374
6.015		2450	2416
6.091		7757	11797
6.138		567	271
6.154		530	276
6.246		20850	21918
6.293		1495	2125
6.351		375	1078
6.389		139	849
6.45		5168	5422
6.508		4599	5546
6.598	DCB	62894	70981
6.702		354	1477
6.74		958	211
6.793		1011	3660
6.834		515	1311
6.88		4463	9850
6.948		664	284
6.976		684	228

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 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: 25PCBs17289001B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.158		4013	3299
2.193		2296	3334
2.231		4304	4857
2.355		2369	2699
2.41		2576	3722
2.516		3219	1498
2.532		3079	1181
2.548		34475	29050
2.593		1880	1065
2.615	TCX	109842	64640
2.658		2888	2938
2.785		5519	7131
2.832		2034	1320
2.848		5273	2988
2.899		26541	17666
2.98		1627	1398
3.009		3545	3222
3.064		605	149
3.071		986	496
3.084		1010	679
3.105		22908	10820
3.116		7238	2912
3.147		369	64
3.156		3590	1714
3.182		3392	3007
3.203		2910	1579
3.227		32906	21608
3.262		1396	726
3.273		689	118
3.281		753	202
3.31		8721	4210
3.326		6997	3312
3.351		2954	1615
3.375		21978	10058
3.385		36528	14576
3.404		2214	753
3.419		36077	23083
3.45		1279	843
3.468		1230	214
3.492		39339	24346
3.527		28409	17742
3.551		28811	15942
3.568		9731	4604
3.6		1457	1121
3.631		1137	1180
3.654		34298	22201
3.677		13354	7322
3.698		10848	6193
3.727		7421	3728
3.743		28220	16678
3.773		786	122
3.785		9200	5821
3.799		530	154
3.83		2009	1197

RT B	Compound B	Height B	Area B
3.854		8624	5216
3.875		36997	24019
3.902		7052	4263
3.92		1697	720
3.942		20458	15962
3.974		31568	20866
4.006		1355	480
4.024		2896	2083
4.051		1178	244
4.075		9193	8348
4.117		5060	4231
4.149		3201	3445
4.175		7642	6262
4.217		8909	5188
4.235		6788	3443
4.248		20433	11370
4.273		12558	11819
4.326		71730	53963
4.373		2013	1262
4.395		6260	3689
4.42		18241	15057
4.462		83787	66952
4.564		62956	59840
4.616		7546	6242
4.655		19243	18252
4.691		67693	57234
4.723		41967	28442
4.761		26754	21515
4.836		934	615
4.861		7197	5328
4.911		49684	38995
4.935		6306	3924
4.985		20945	17351
5.02		13201	10602
5.051		10301	8018
5.083		3043	2105
5.104		109607	91858
5.146		3022	2420
5.176		7216	7659
5.23		2377	6651
5.295		2657	2230
5.318		25847	21220
5.363		82936	86440
5.429		735	326
5.462		952	574
5.491		1128	760
5.518		7108	9249
5.585		7754	11236
5.634		18371	17692
5.741		41653	35191
5.772		3007	1912
5.797		2487	1895
5.839		1437	1662
5.867		1201	237
5.884		1025	423
5.903		1145	430
5.916		1073	396
5.939		15211	13189
5.979		1360	928
6.006		2832	3608
6.036		1150	452
6.097	DCB	189016	168450
6.165		2304	5272
6.219		5235	10577
6.285		2072	2095
6.33		1175	2210

RT B	Compound B	Height B	Area B
6.361		1066	844
6.4		1652	1234
6.452		531	953
6.478		1232	979
6.514		1616	1598
6.537		970	385
6.579		1214	1406
6.614		926	1456
6.633		1280	658
6.662		2125	2394
6.703		1165	650
6.734		1680	1806
6.785		1305	2873
6.84		2538	4194
6.873		1641	8269
6.978		1084	1250
6.992		1112	432

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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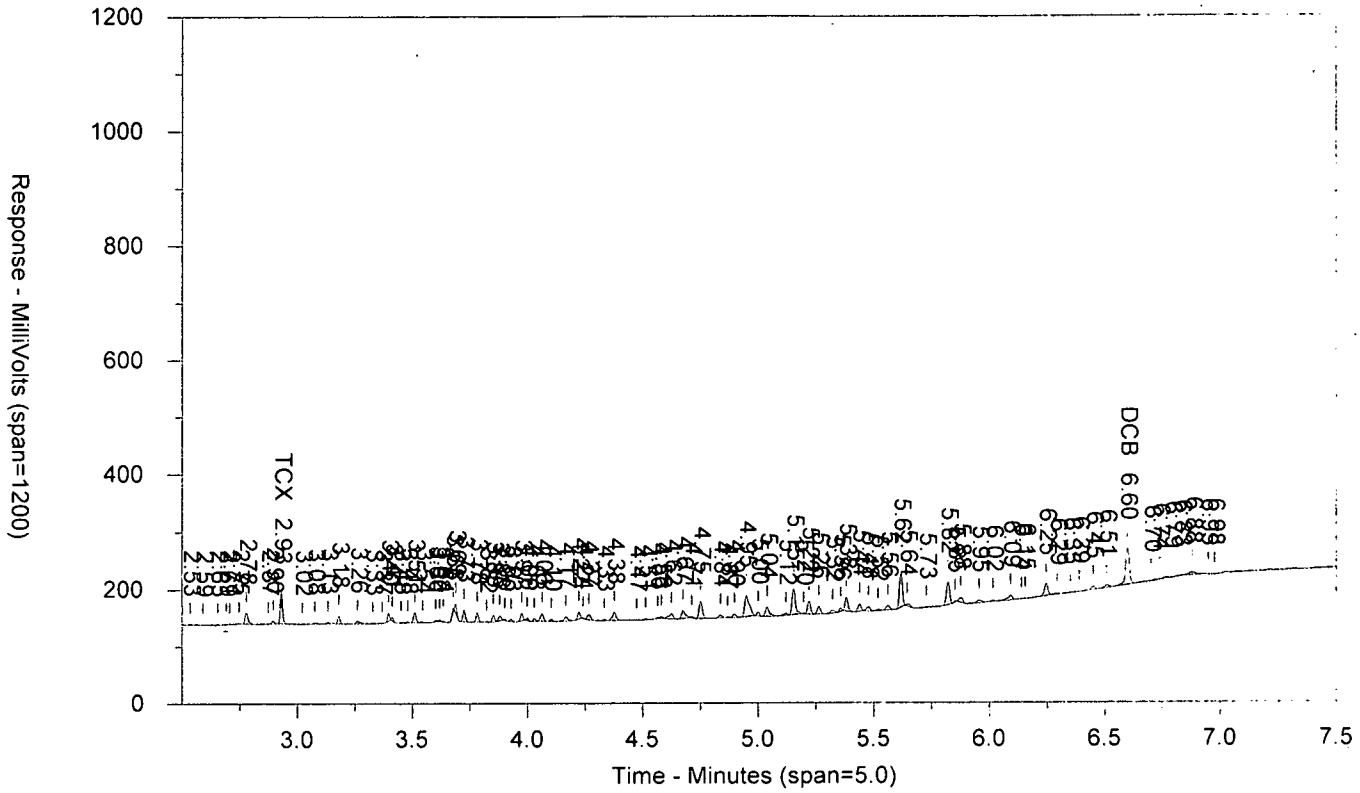

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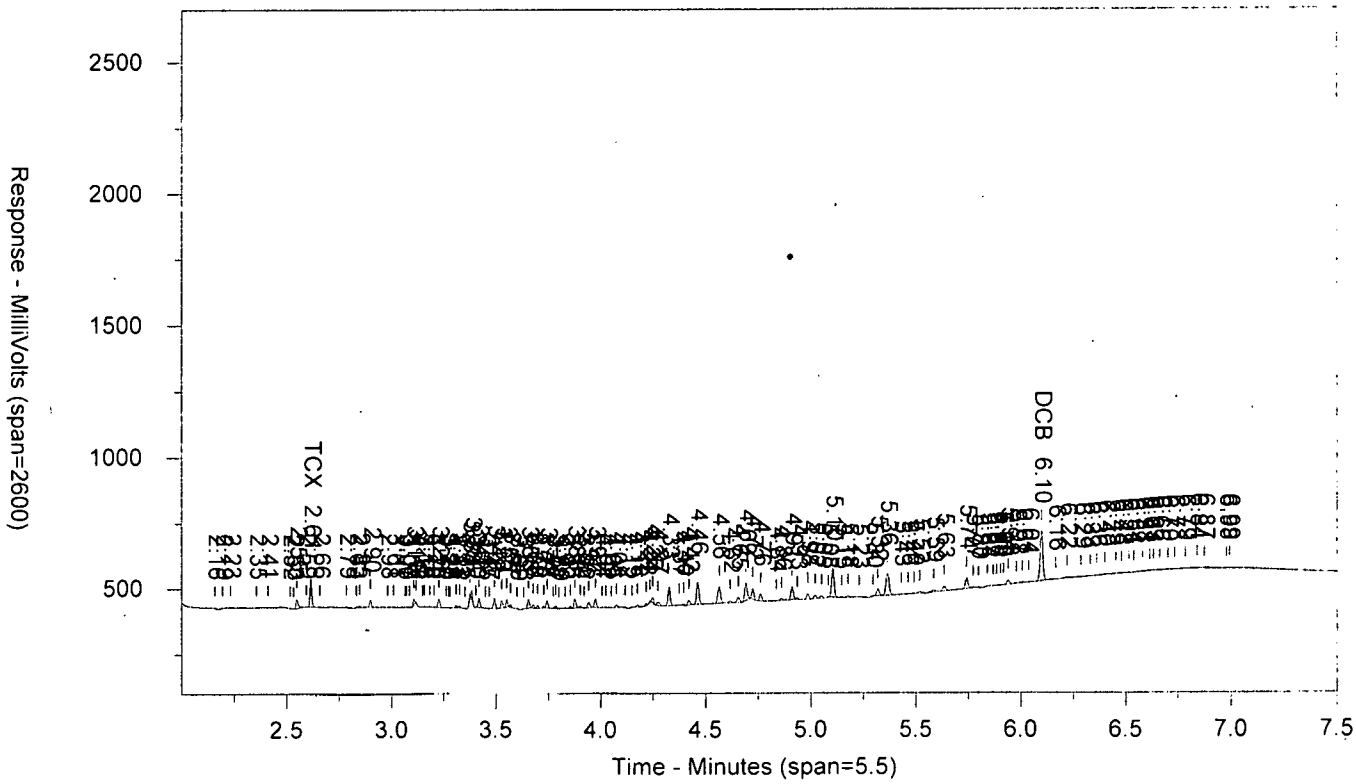

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:22:29 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	56107	.382	TCX	2.615	109842	.413	TCX
6.598	62894	.55	DCB	6.097	189016	.511	DCB

Files:
Area File: 25PCBs17289001.031.RAW
Area File: 25PCBs17289001B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:31:00 AM
File Reported On: 10/17/2017 at 12:31:12 AM

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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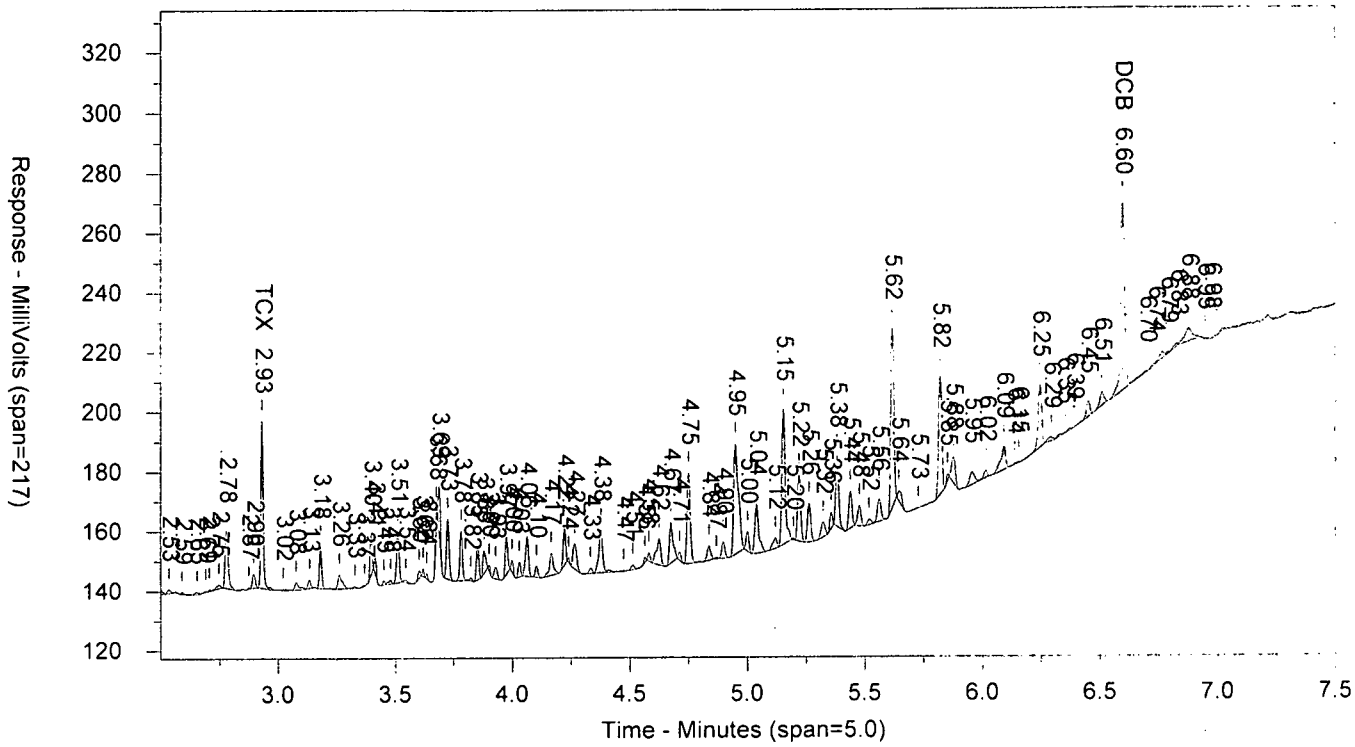

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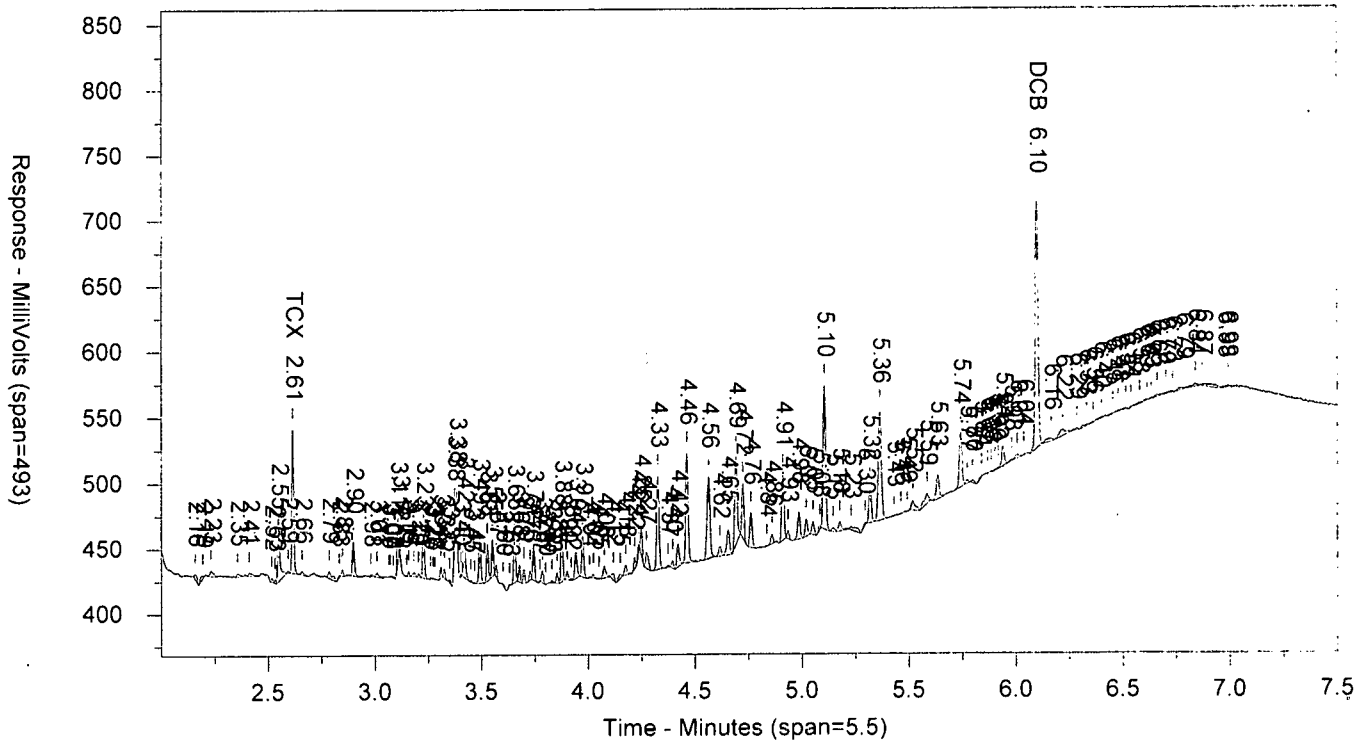

MD16X1724B AAMD16XAA ICAL 1728899999 10225 SW-846 8082

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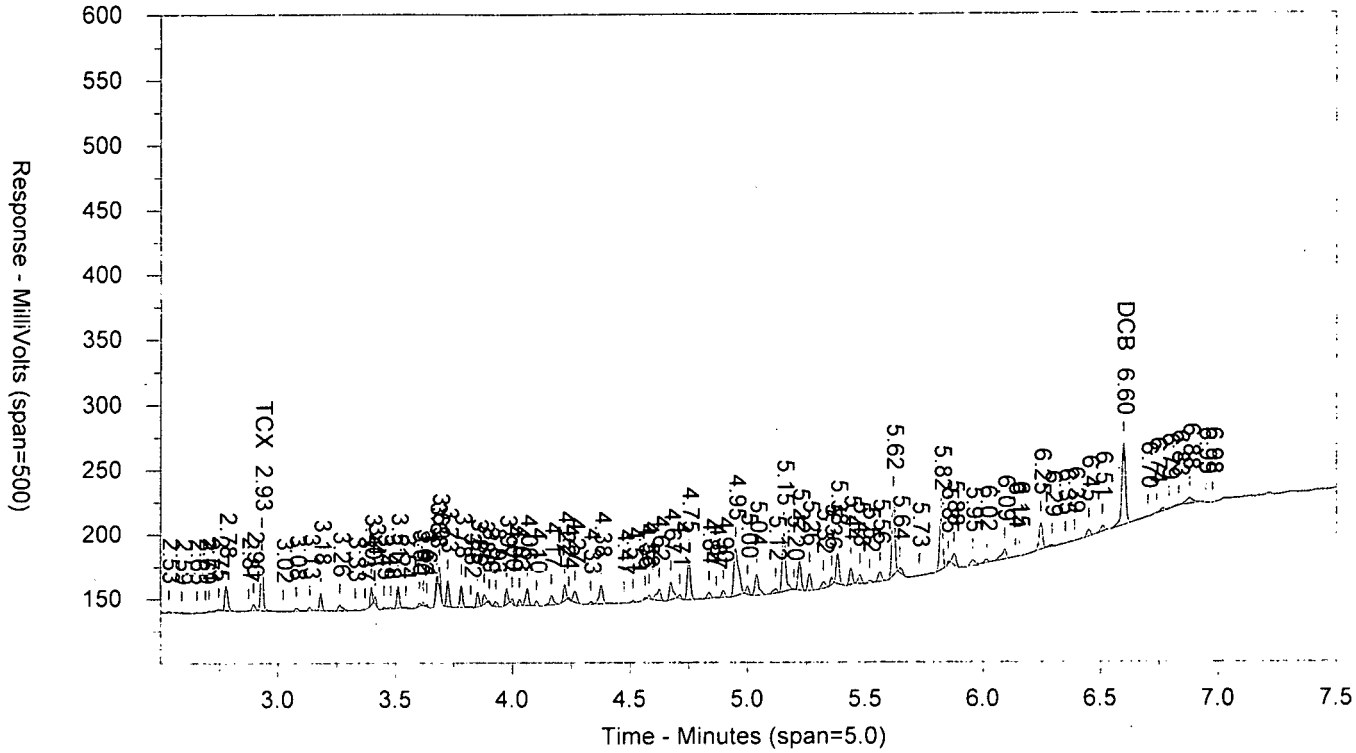

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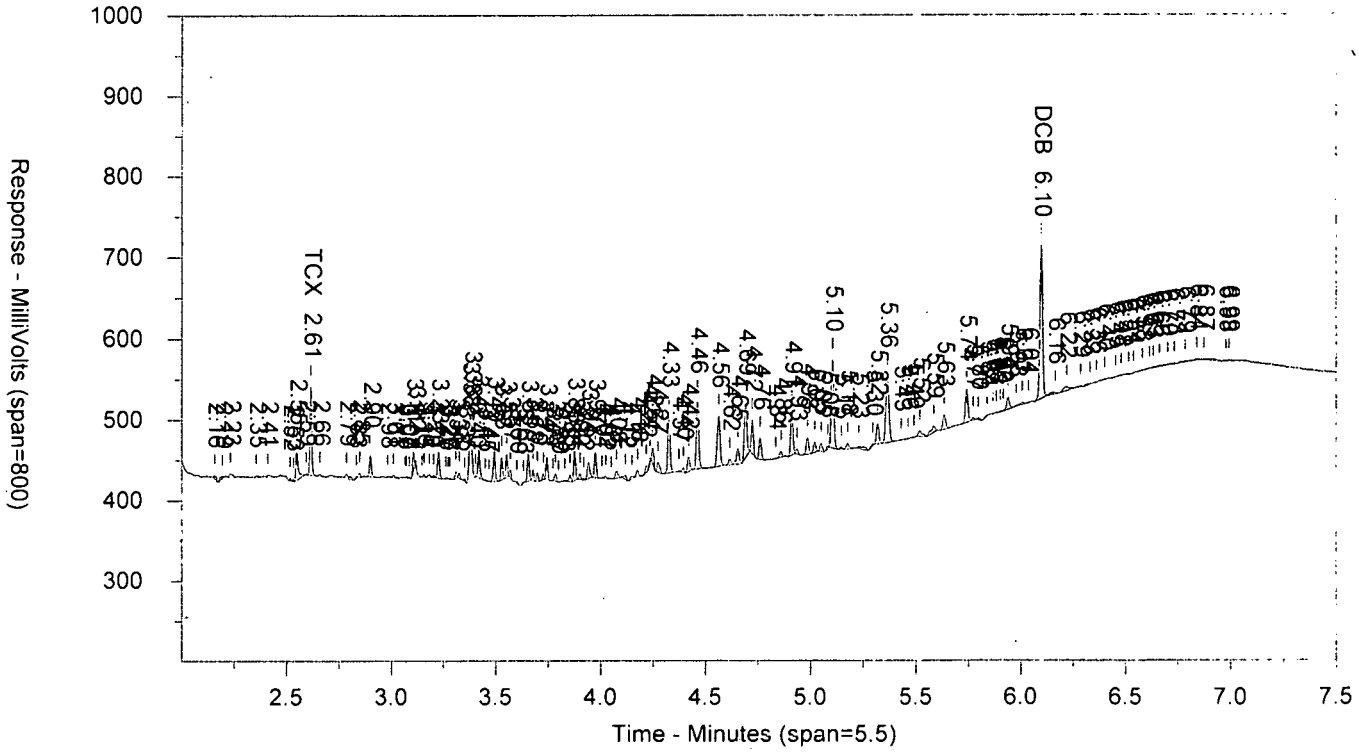

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 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: 25PCBs17289001.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.01		391	152
2.036		5991	6403
2.086		17729	31504
2.186		534	261
2.231		27059	20514
2.337		12341	13641
2.367		2008	3014
2.49		5058	6167
2.531		792	781
2.568		5341	3402
2.59		3633	2169
2.651		614	472
2.691		333	151
2.744		1024	1109
2.778		33976	35042
2.844		1390	1039
2.872		459	134
2.895		3230	2399
2.931	TCX	6485733	4331489
3.026		1942	1257
3.077		80586	69450
3.132		134783	123600
3.181		484644	355566
3.258		9527	4690
3.273		59809	36849
3.317		1463	899
3.395		501866	304631
3.413		232493	125594
3.449		61056	34392
3.465		4398	1476
3.476		31867	16957
3.51		624161	487218
3.547		2732	1273
3.567		12053	7237
3.585		16881	10166
3.62		128250	77611
3.634		63311	31909
3.677		260736	148175
3.688		662327	353059
3.725		744440	585007
3.782		679043	518201
3.823		52974	36471
3.852		418139	311377
3.879		293604	242063
3.9		76216	41269
3.974		455378	338337
3.998		152132	100312
4.029		170626	121631
4.062		423269	406925
4.102		118274	96606
4.149		8141	5635
4.165		2577	1349
4.188		13085	9078
4.223		400105	412313

RT A	Compound A	Height A	Area A
4.264		74051	58631
4.334		63422	52144
4.377		429389	423033
4.41		8888	6163
4.471		3388	2861
4.512		37422	37143
4.564		40571	27083
4.581		120672	88770
4.624		256738	246611
4.674		456845	504222
4.711		94017	65938
4.75		1019775	980379
4.794		5590	4551
4.835		151805	159666
4.87		12585	8288
4.896		191190	182055
4.948		1262930	1579359
4.999		243103	229230
5.038		596533	668142
5.118		125604	149957
5.152		1553380	1596856
5.193		15100	6766
5.219		730892	701491
5.262		448273	448603
5.327		2001	3519
5.356		183909	151483
5.38		802524	734005
5.437		436617	409716
5.475		247997	246547
5.518		51890	52108
5.56		263030	303761
5.617		2120298	2292939
5.714		1400	2037
5.765		1093	1169
5.82		1336271	1248824
5.851		78192	47221
5.876		254204	302384
5.957		5755	7758
6.013		95424	100891
6.09		255535	379552
6.159		475	323
6.204		1134	1844
6.246		568844	582118
6.29		37876	36710
6.35		576	182
6.388		412	1271
6.447		229770	246697
6.507		5730	7797
6.562		170	376
6.595	DCB	4634189	4822125
6.654		1629	1598
6.7		359	188
6.729		952	430
6.762		3724	5943
6.8		720	440
6.833		372	1267
6.876		4758	12830
6.988		652	1307

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 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: 25PCBs17289001B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		21551	14596
2.157		11941	8213
2.188		3545	3179
2.236		4404	4852
2.3		10744	7493
2.357		1982	2044
2.532		6412	3185
2.547		67208	61485
2.615	TCX	11522110	6629314
2.658		78795	56296
2.785		170945	117468
2.832		101656	49481
2.846		147116	74400
2.898		875063	540123
2.948		26176	15319
3.009		127108	78806
3.068		1131	655
3.086		736	138
3.105		723993	364474
3.116		281797	108785
3.157		142649	89624
3.177		68385	38801
3.203		100736	57145
3.227		1144823	758122
3.263		42804	24502
3.291		25107	12364
3.31		308381	162826
3.325		176180	84564
3.35		3162	1622
3.375		706208	345968
3.385		1337984	574187
3.405		51950	19006
3.419		1239559	828996
3.492		1386293	854673
3.527		948052	572819
3.551		1041524	571620
3.569		331498	170830
3.625		999	487
3.635		913	211
3.654		1185020	772067
3.677		452798	238954
3.698		395323	228921
3.726		240760	126947
3.743		800684	470990
3.784		261861	186220
3.832		30426	26789
3.854		129448	74907
3.875		928275	616011
3.901		147245	86850
3.92		20040	8779
3.939		146672	97207
3.974		989792	669476
4.008		35860	21019
4.023		49025	33855

RT B	Compound B	Height B	Area B
4.079		9310	10887
4.118		61503	63761
4.149		6429	4954
4.175		227634	162514
4.217		308281	186834
4.235		174598	85428
4.248		771825	433232
4.274		429890	423317
4.326		2413378	1803783
4.373		32715	24717
4.395		162349	105964
4.419		536066	378702
4.461		2853112	2178152
4.529		1270	721
4.563		2299244	2124279
4.616		266887	216668
4.654		626696	535877
4.69		2529747	2114234
4.722		1442575	986877
4.761		925601	739718
4.84		691	2078
4.86		279282	205100
4.876		28570	14175
4.91		1813986	1416423
4.934		195499	124042
4.984		863096	782173
5.019		467766	359070
5.049		365999	291334
5.081		114221	68151
5.103		4693242	3607731
5.144		84846	64850
5.176		179768	148156
5.219		1704	1144
5.254		4564	4188
5.294		48618	31925
5.317		935122	750319
5.362		3206156	3286822
5.432		1916	1310
5.483		3063	3168
5.516		218749	192719
5.563		79973	55794
5.585		155792	118453
5.634		608071	522319
5.682		1467	753
5.74		1524945	1246179
5.772		88664	67424
5.854		876	5837
5.891		2879	2279
5.938		666881	572779
5.97		3092	1810
6.002		2730	2445
6.037		906	325
6.054		2283	1921
6.096	DCB	15890750	12884390
6.188		951	212
6.212		5082	10619
6.274		7527	8619
6.313		1739	1234
6.38		859	759
6.398		1026	621
6.429		2565	2165
6.482		1487	748
6.504		3001	3222
6.546		15565	14428
6.598		1074	535
6.664		2086	1631

RT B	Compound B	Height B	Area B
6.717		3246	3777
6.761		1437	597
6.79		1200	325
6.806		924	393
6.843		1465	1976
6.855		1445	718
6.886		1719	3453
6.99		1016	1488

IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

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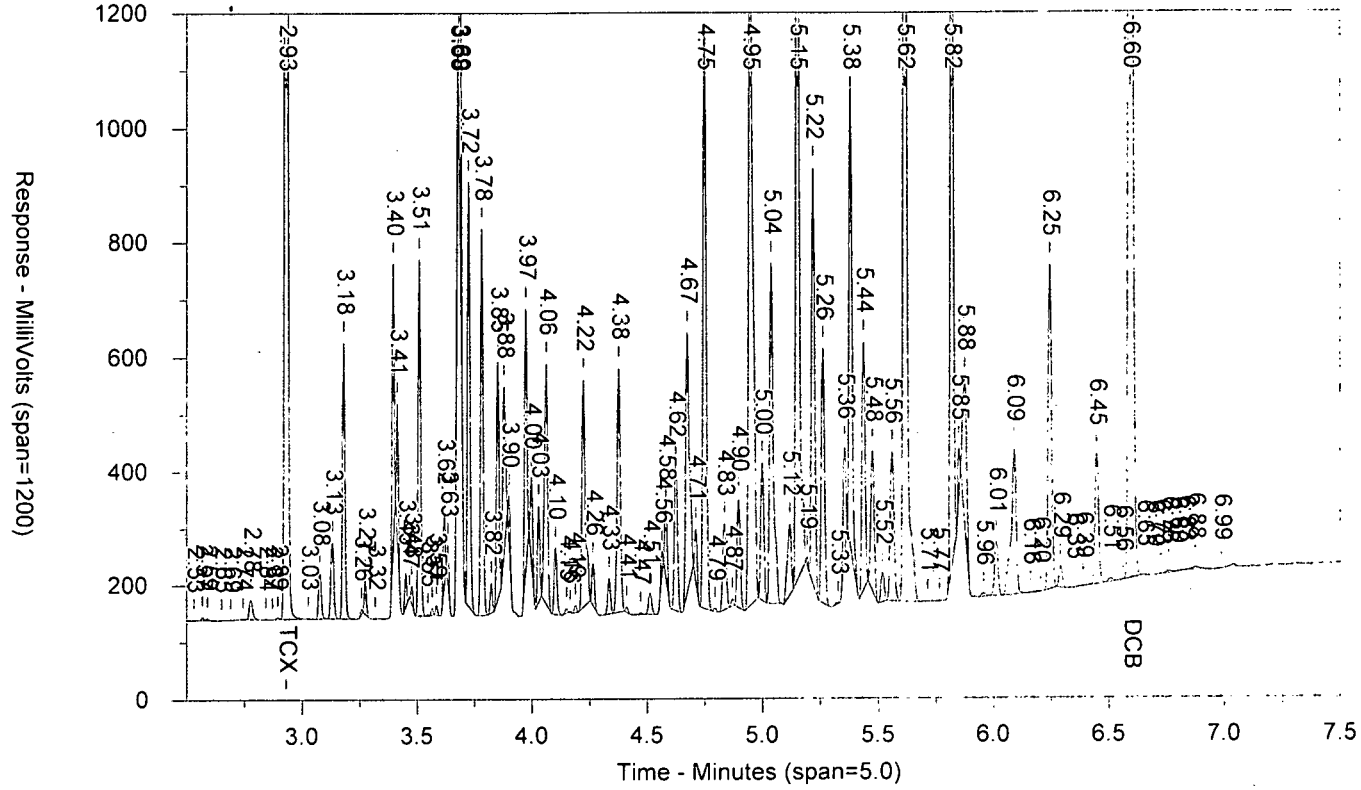

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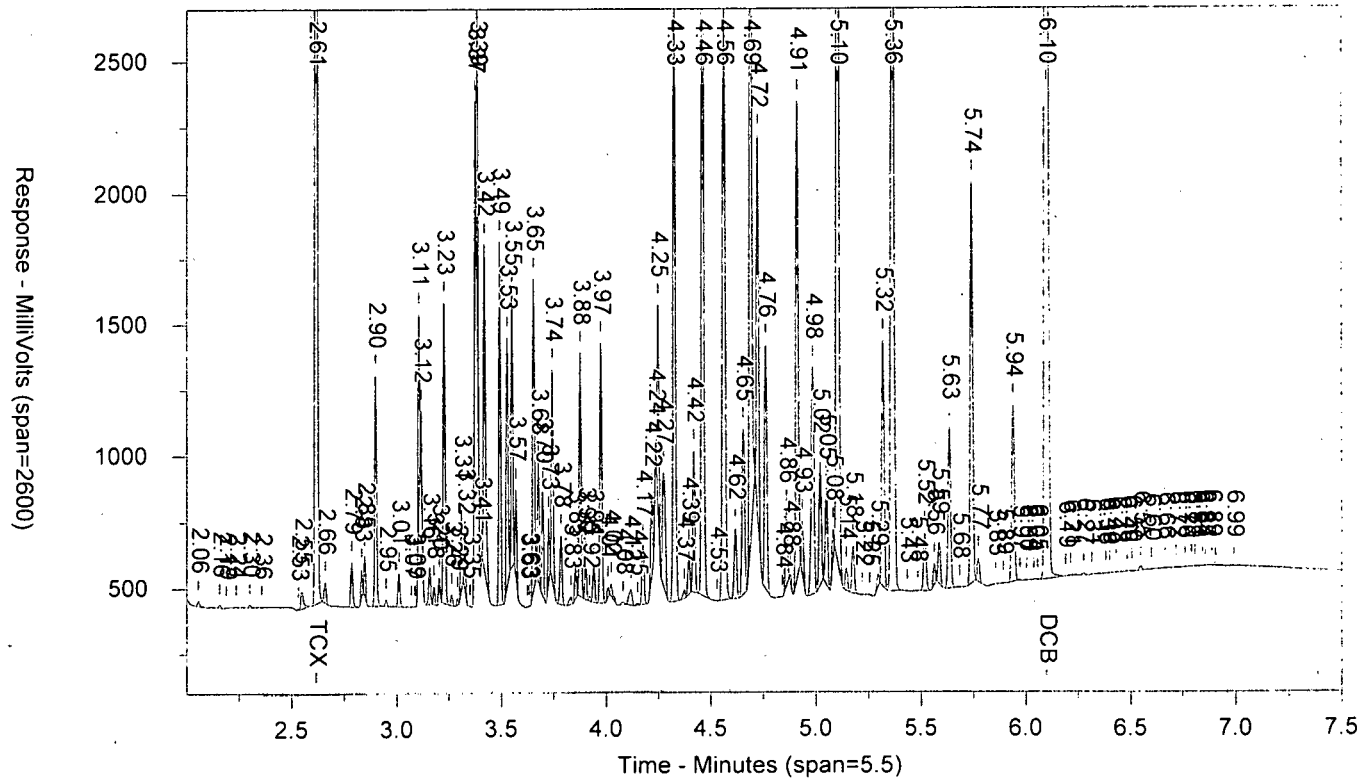

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:33:46 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	6485733	44.215	TCX	2.615	11522110	43.306	TCX
6.595	4634189	40.56	DCB	6.096	15890750	42.921	DCB

Files:
Area File: 25PCBs17289001.032.RAW
Area File: 25PCBs17289001B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:42:17 AM
File Reported On: 10/17/2017 at 12:42:31 AM

IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

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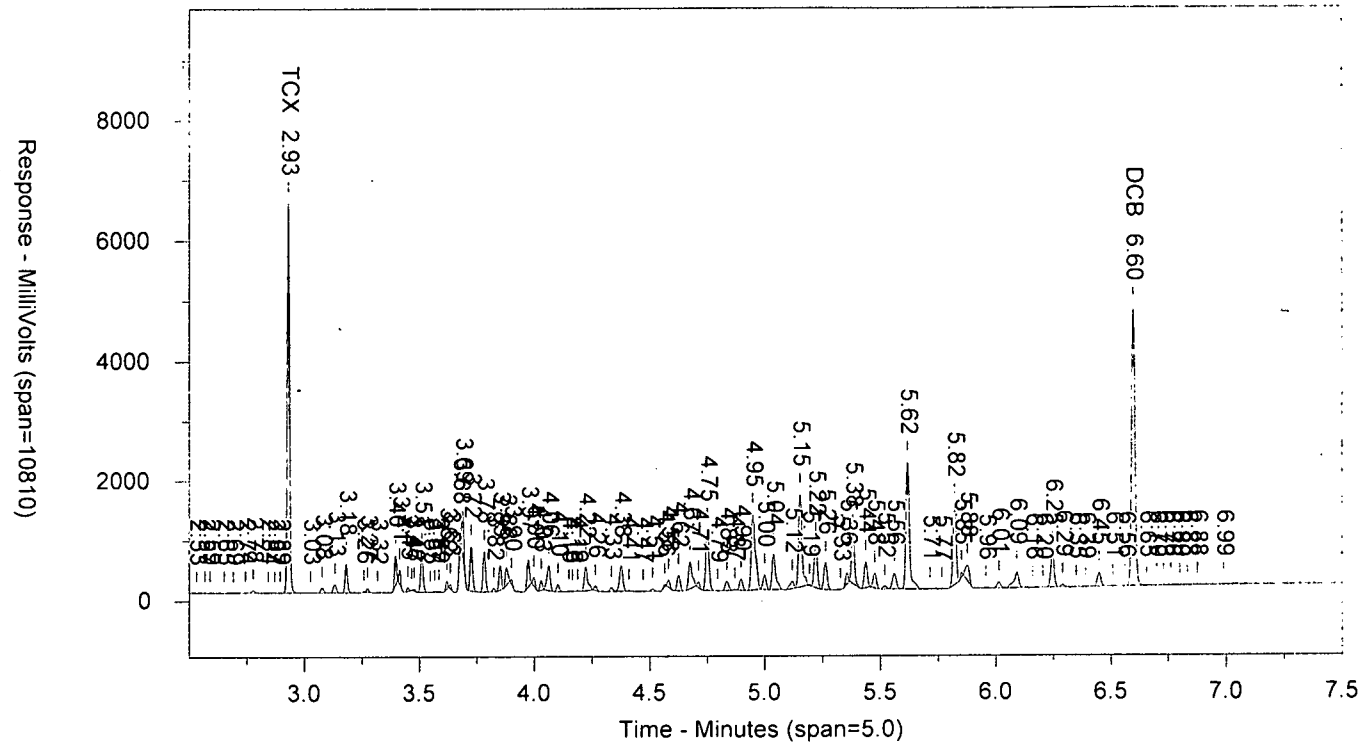

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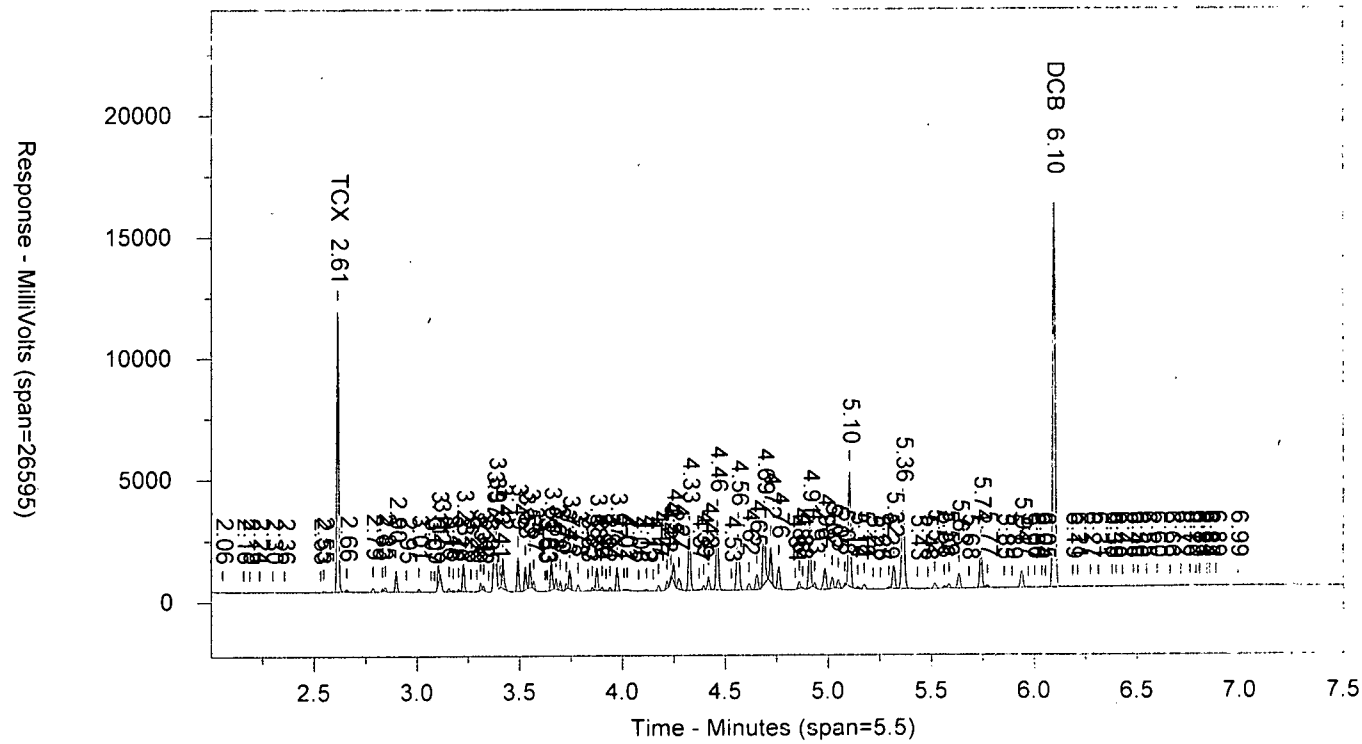

IC16X1724C AAIC16XAA CCAL 1728899999 10225 SW-846 8082

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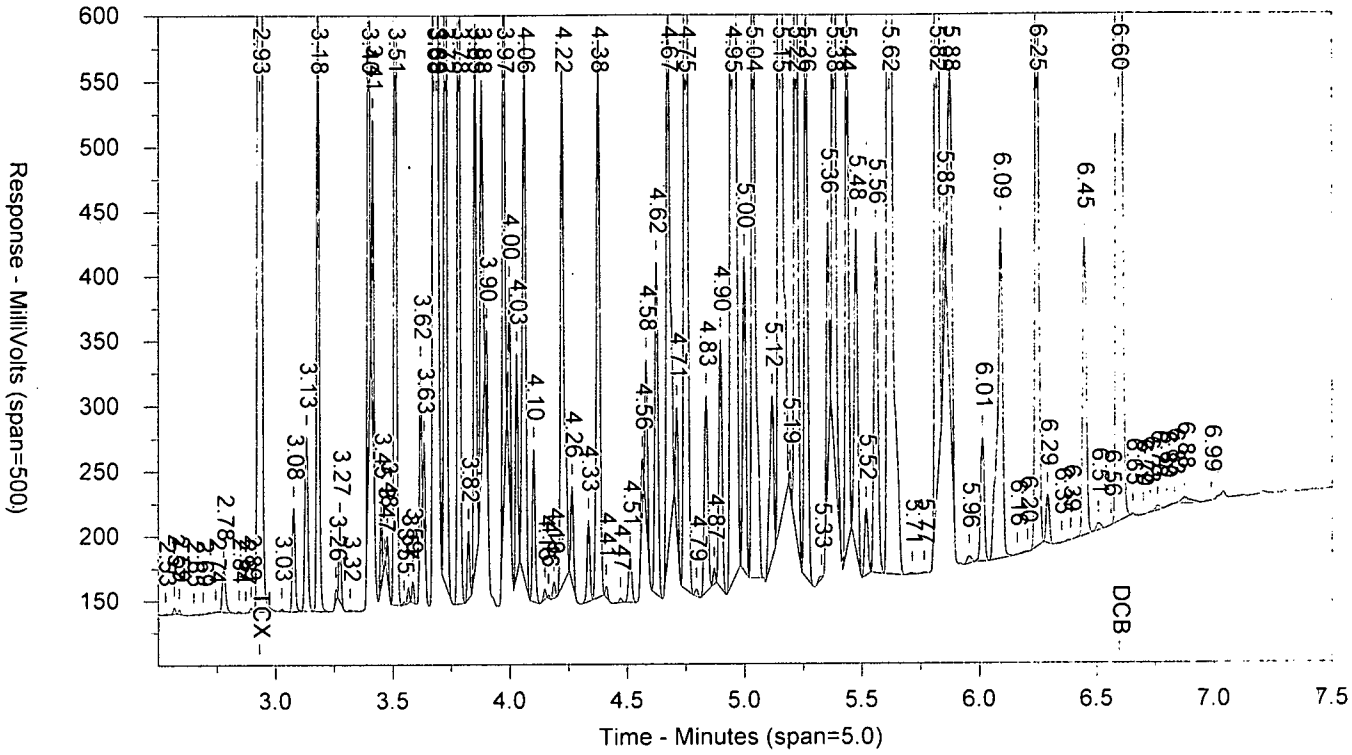

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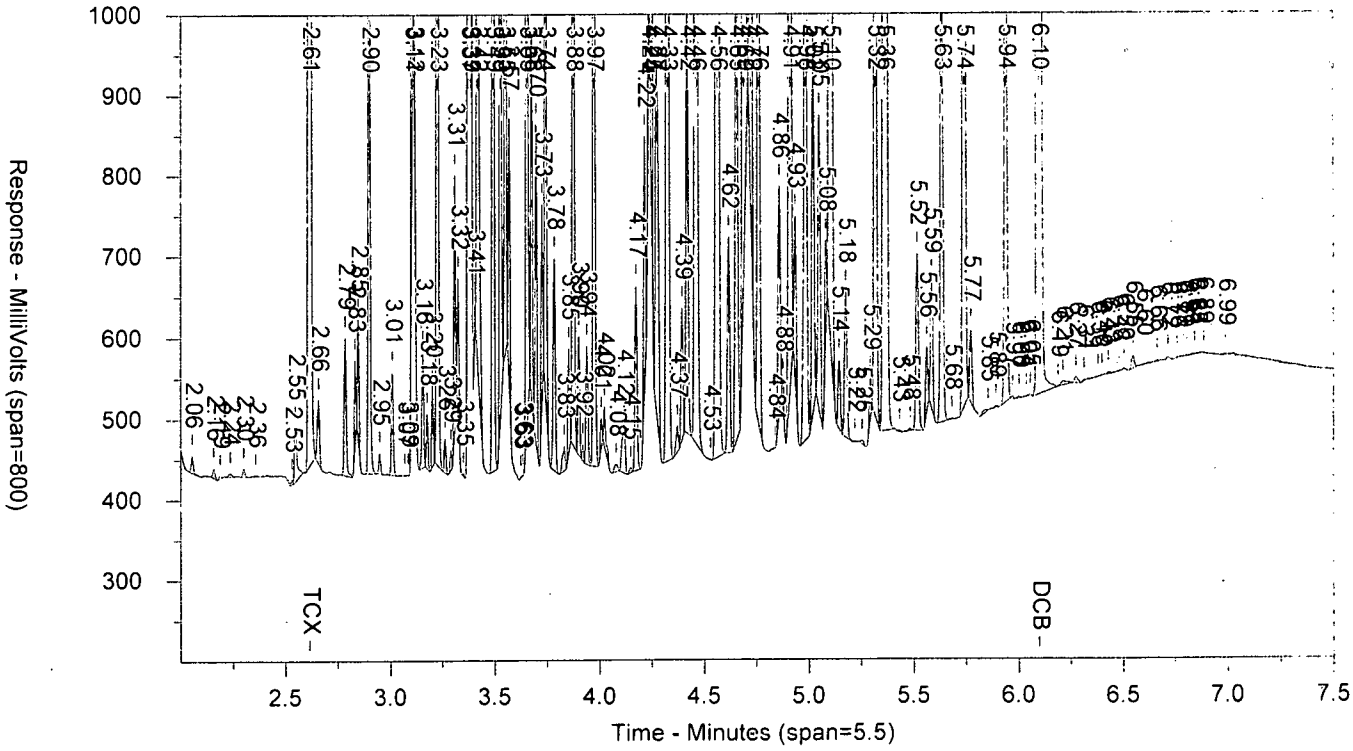


LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 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: 25PCBs17289001.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.01		522	228
2.036		7599	7848
2.085		15256	31173
2.232		25666	20280
2.337		12143	13259
2.368		2568	2708
2.428		561	1004
2.49		6079	7535
2.533		1272	1084
2.564		735	474
2.589		3580	2507
2.653		952	1311
2.745		1273	1819
2.778		24160	23206
2.848		546	445
2.894		3758	3412
2.931	TCX	5789752	4063471
3.028		1684	1048
3.078		10790	10312
3.127		76352	55325
3.18		64514	44907
3.221		412	197
3.258		12671	6983
3.274		11309	6141
3.395		228972	141629
3.412		60726	31561
3.449		16169	9568
3.464		1164	413
3.51		224146	174673
3.566		11321	6544
3.584		4416	2361
3.603		894	410
3.619		42071	24644
3.633		9163	4162
3.677		206062	113781
3.687		230351	106564
3.724		285621	227415
3.781		339737	262472
3.823		48993	33627
3.851		542789	411875
3.877		347016	267473
3.899		97617	55650
3.926		2491	1630
3.973		646257	476129
3.997		187841	119696
4.028		231751	166633
4.062		566398	531874
4.101		183573	157578
4.148		19454	18655
4.187		63152	47496
4.22		442290	298792
4.239		596984	366697
4.262		652831	509550
4.333		58214	54100

RT A	Compound A	Height A	Area A
4.367		420110	354739
4.386		145751	77711
4.409		153508	111710
4.451		8933	6083
4.472		36203	27044
4.512		187536	177100
4.564		263378	239536
4.595		153223	120164
4.624		460817	406780
4.674		4717	3240
4.706		184625	177241
4.75		35130	44994
4.795		49637	44672
4.836		335085	323687
4.87		7725	5356
4.915		32791	39859
4.961		53940	91559
5.032		351735	347926
5.08		8169	6354
5.112		21203	23400
5.152		84529	77002
5.174		4610	2005
5.191		5271	3333
5.22		3303	2904
5.261		1832	1944
5.293		505	230
5.321		14482	18414
5.358		30570	25034
5.38		4985	3052
5.439		2668	2339
5.475		2680	3561
5.516		15875	15502
5.556		17838	16017
5.581		2809	1919
5.616		7283	5520
5.641		42845	49782
5.705		453	112
5.736		288	469
5.755		391	244
5.774		429	148
5.82		11754	11045
5.879		2429	4322
5.954		17653	26007
6.012		64699	63130
6.075		65666	78400
6.143		1135	1654
6.24		17894	27000
6.283		924	766
6.314		614	363
6.378		1029	1136
6.419		1134	1107
6.448		48387	50721
6.507		15548	22877
6.544		610	244
6.596	DCB	4424416	4549546
6.65		604	294
6.727		207	432
6.763		11901	17709
6.822		353	450
6.837		660	191
6.855		660	308
6.879		3000	3959
6.946		705	268
6.985		714	370

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 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: 25PCBs17289001B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

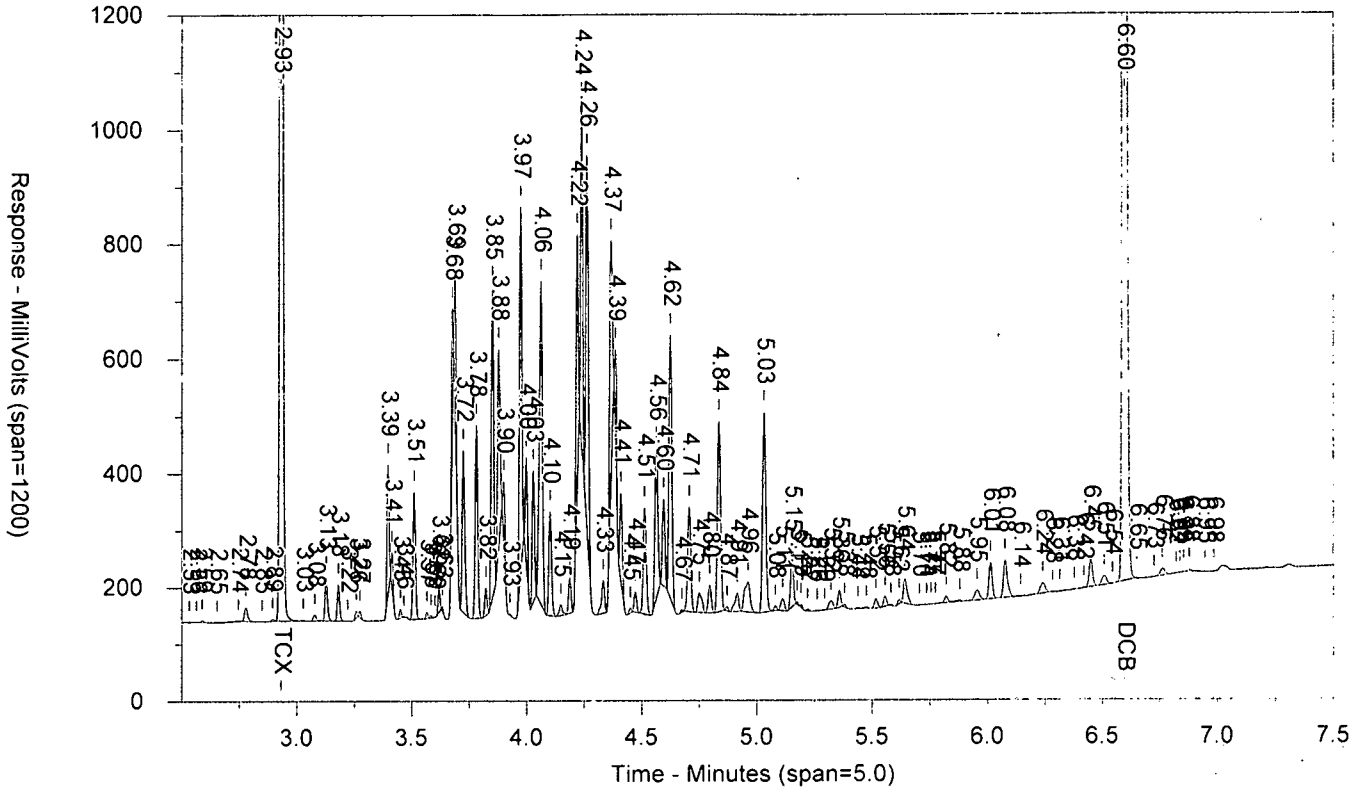
RT B	Compound B	Height B	Area B
2.055		18940	12161
2.12		1501	1693
2.158		12865	10528
2.207		2405	6493
2.236		4357	5535
2.355		3083	4213
2.414		2212	2099
2.468		5279	34188
2.533		6834	5443
2.548		44434	41442
2.615	TCX	10871620	6201414
2.658		6413	3355
2.755		2053	1013
2.786		26621	22655
2.833		138652	94779
2.899		124847	74423
2.949		25668	16237
3.009		33108	20492
3.066		976	532
3.086		376	60
3.105		353489	182369
3.116		49407	17738
3.156		38071	21768
3.178		12191	7585
3.204		10946	5572
3.227		405998	276444
3.264		15095	8739
3.291		23726	12311
3.31		95580	51212
3.325		32061	15027
3.35		2172	1200
3.375		446992	203585
3.384		505242	207144
3.404		102034	41139
3.418		427894	261256
3.492		679241	437058
3.527		1255610	755556
3.55		1164373	637412
3.568		397021	202528
3.635		1089	3090
3.654		1589082	999608
3.676		489966	270214
3.697		531550	311777
3.726		235443	119912
3.743		1141708	682668
3.783		429822	305503
3.831		88959	74399
3.853		943075	583297
3.876		2120996	1322890
3.9		1650393	996263
3.919		117359	54174
3.938		126677	73213
3.974		653226	449964
4.008		1182319	875097

RT B	Compound B	Height B	Area B
4.036		620469	341990
4.083		87792	65932
4.118		390235	285162
4.148		6066	4086
4.174		664551	503774
4.206		399608	281404
4.234		1048257	766377
4.271		17271	16670
4.327		406678	396000
4.362		110519	78945
4.394		621651	465662
4.417		15969	8169
4.434		10287	5760
4.461		73522	47543
4.486		58452	41108
4.559		96302	97270
4.612		688214	554040
4.661		36656	48210
4.691		151157	150523
4.737		20410	12958
4.76		3836	2757
4.819		1025	1515
4.833		3520	2395
4.86		1058	435
4.876		8636	6233
4.91		8476	5835
4.934		66602	66700
5.018		8249	21115
5.054		27353	20490
5.082		29731	21007
5.104		14213	8991
5.123		4944	2870
5.176		63117	53412
5.247		11001	18364
5.317		14786	39395
5.36		20017	21945
5.404		625	473
5.437		1119	885
5.465		983	323
5.488		1118	393
5.517		140650	134755
5.584		148636	149617
5.634		31212	26837
5.686		663	642
5.718		1150	389
5.741		7271	6636
5.796		11463	16899
5.837		3977	7016
5.871		1294	554
5.89		2554	2408
5.938		135535	113297
5.968		3662	2707
6.006		2530	3101
6.042		6800	9976
6.097	DCB	14141110	12141200
6.214		4953	9483
6.274		3569	5720
6.321		2249	3700
6.339		916	416
6.376		830	362
6.413		1240	819
6.431		2151	1286
6.479		880	798
6.492		1085	448
6.545		17378	16797
6.581		974	792

RT B	Compound B	Height B	Area B
6.629		1117	1211
6.649		1227	787
6.665		1251	857
6.718		3921	5546
6.804		1558	10665
6.86		1278	1526
6.869		1310	715
6.895		1289	368
6.915		1820	3898
6.995		1031	1996

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBs17289001.033.RAW



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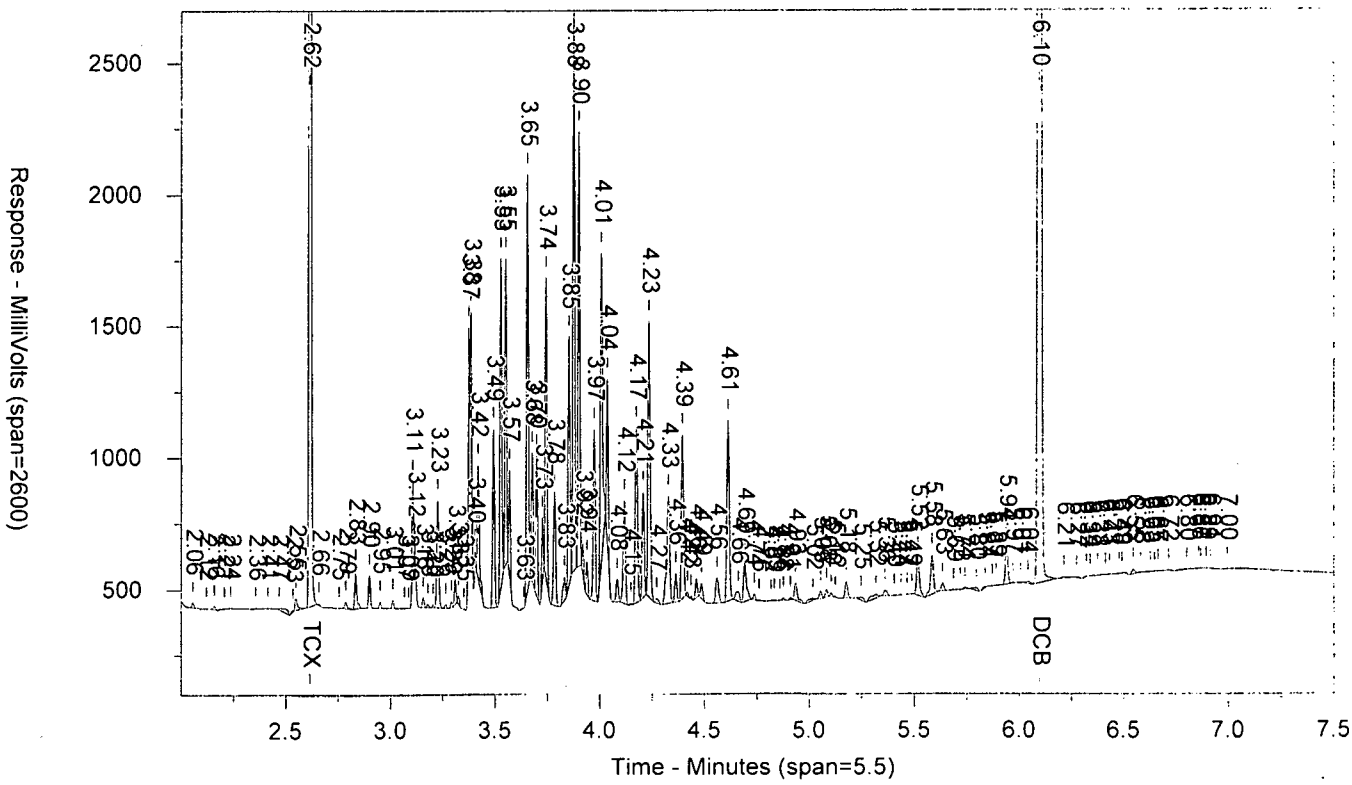

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:45:01 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	5789752	39.471	TCX	2.615	10871620	40.862	TCX
6.596	4424416	38.724	DCB	6.097	14141110	38.195	DCB

Files:
Area File: 25PCBs17289001.033.RAW
Area File: 25PCBs17289001B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 12:53:34 AM
File Reported On: 10/17/2017 at 12:53:47 AM

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

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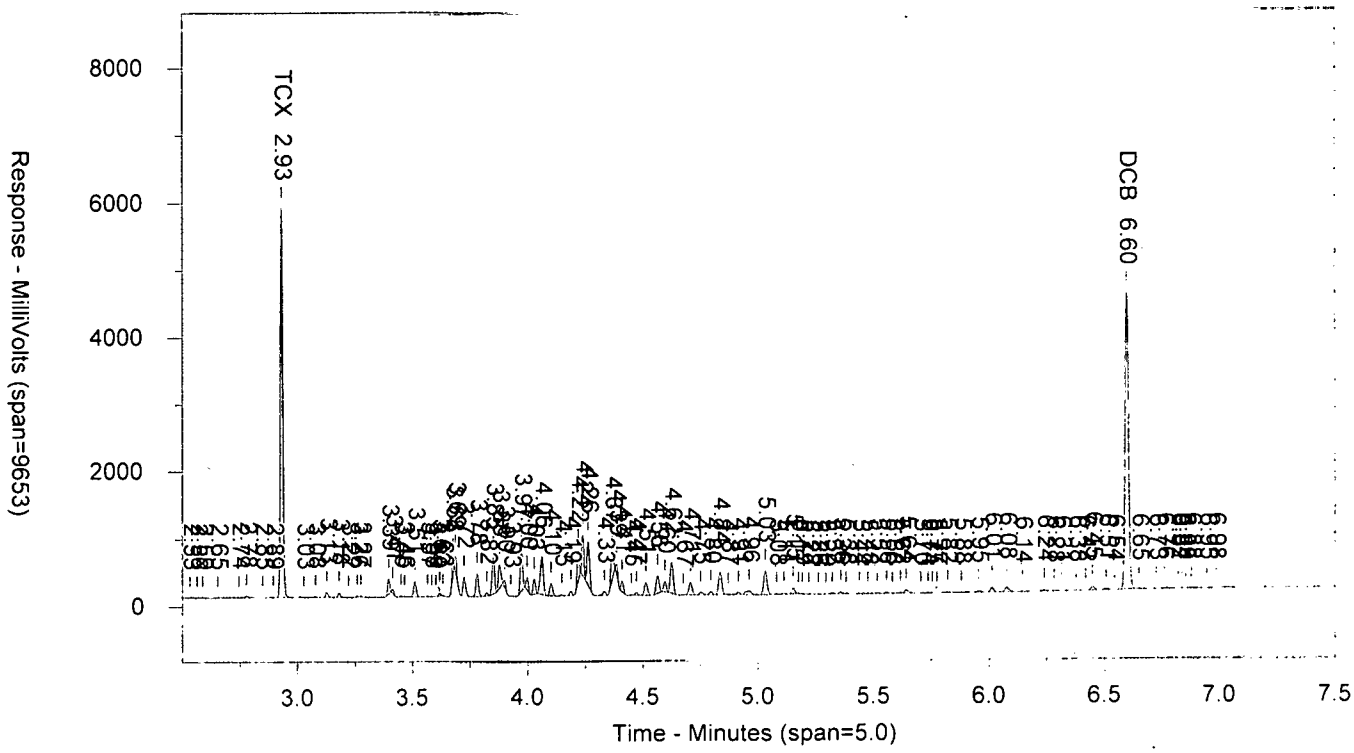

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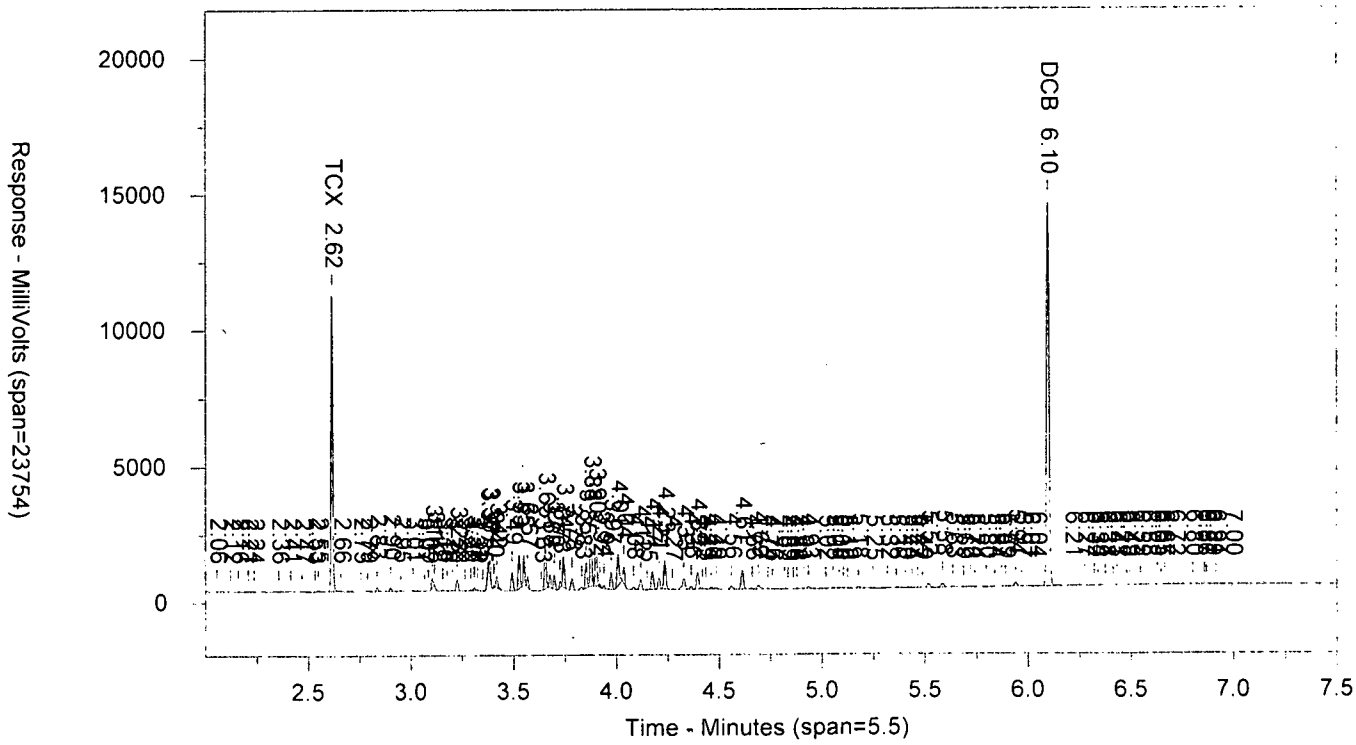

IC48X1724B AAIC48XAA CCAL 1728899999 10225 SW-846 8082

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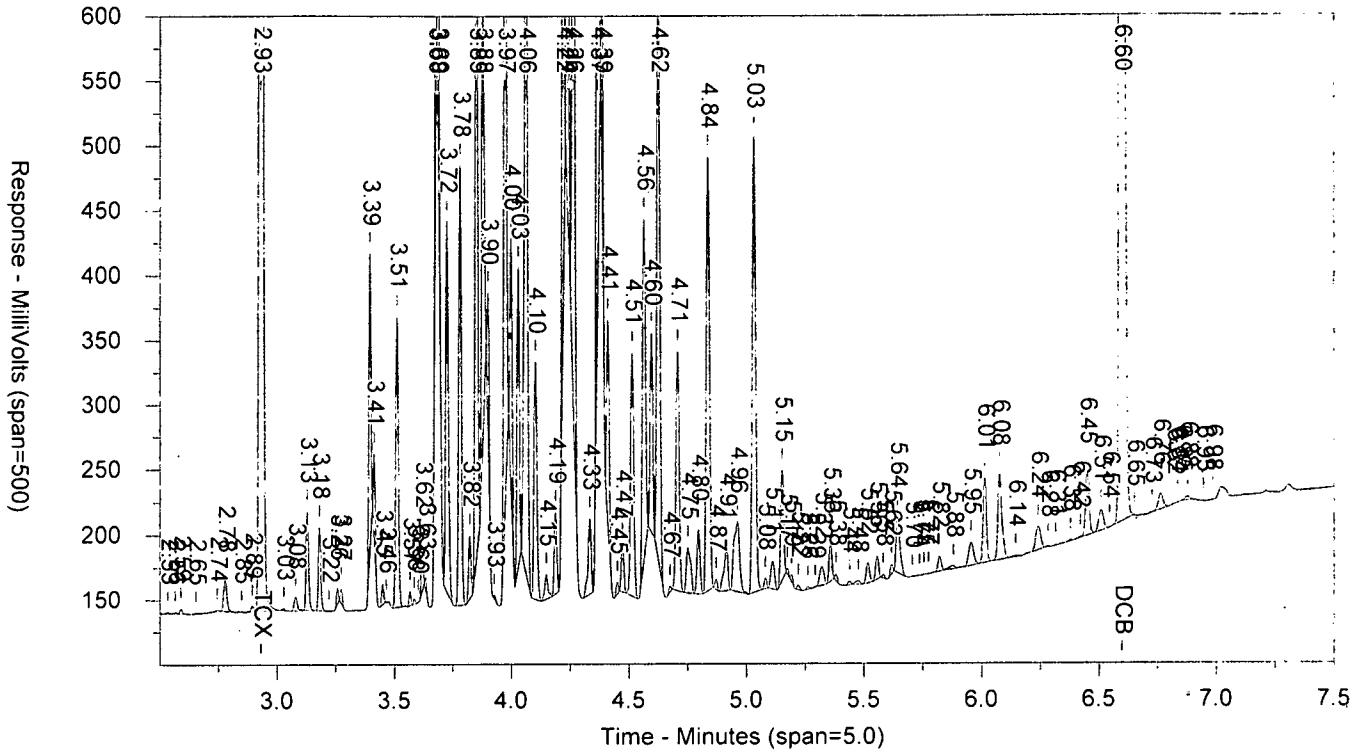

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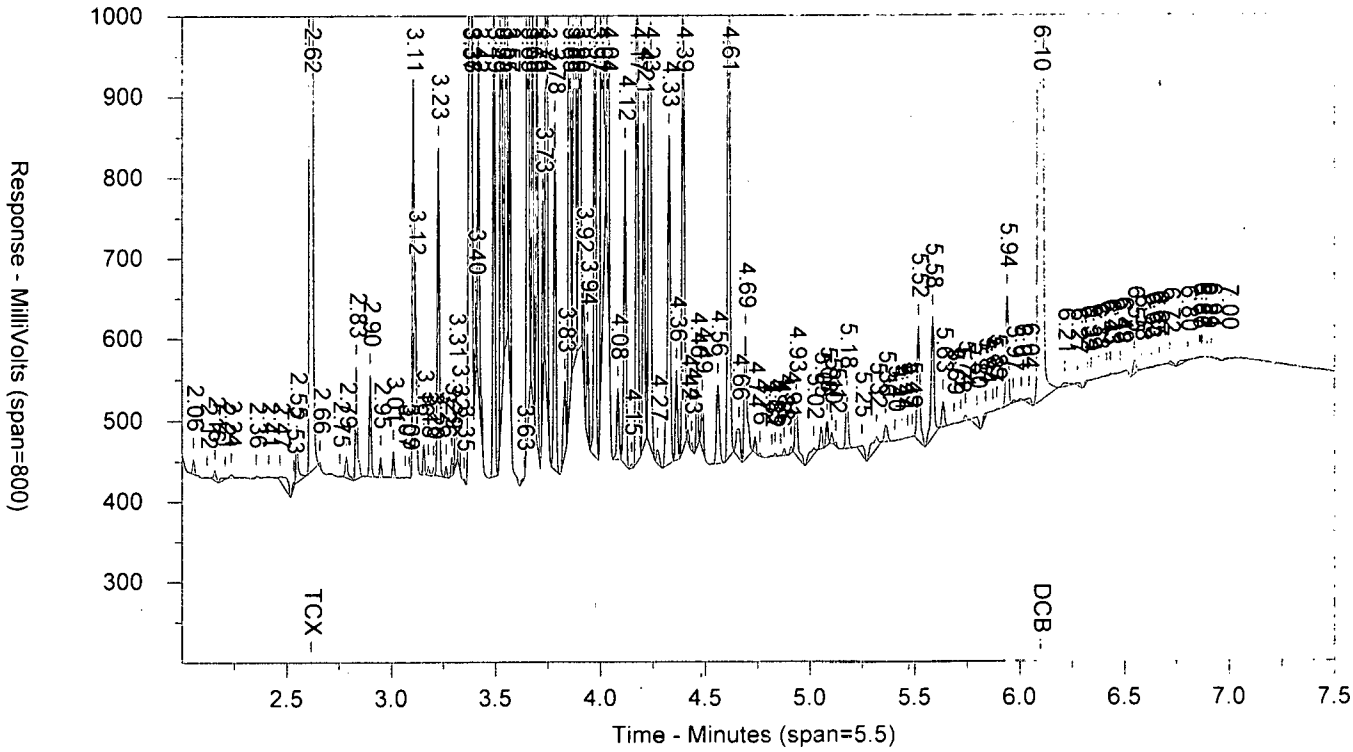

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 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: 25PCBs17289001.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.013		425	166
2.036		6280	6638
2.086		7773	16071
2.231		13723	11951
2.33		17207	14716
2.365		1744	2698
2.49		4653	5494
2.531		1433	1380
2.566		545	573
2.59		938	767
2.655		728	722
2.708		592	563
2.747		1216	1609
2.778		12355	10929
2.896		3161	2969
2.93	TCX	3009563	2091481
3.028		1006	586
3.049		440	189
3.078		2471	2745
3.127		37931	26499
3.18		10549	7268
3.257		9995	9076
3.336		363	568
3.395		14276	8480
3.411		4905	2571
3.449		721	406
3.465		2572	1963
3.509		15992	12886
3.538		854	519
3.566		6327	3714
3.585		3898	2020
3.601		717	314
3.618		2496	1208
3.633		1328	755
3.676		15362	8304
3.687		8927	6718
3.724		27643	20562
3.78		18891	15735
3.822		2701	1619
3.851		544331	412106
3.877		134407	113961
3.925		2583	1889
3.973		342059	270930
3.996		16832	9382
4.028		30638	22824
4.062		153861	130983
4.101		28552	23944
4.136		3068	3002
4.164		3909	2225
4.186		27958	20221
4.221		748222	515029
4.238		235066	131594
4.265		235889	193557
4.333		234304	200249

RT A	Compound A	Height A	Area A
4.374		1211395	1331033
4.409		470216	384641
4.449		17269	10942
4.471		84672	66901
4.513		444816	411027
4.563		863743	751553
4.594		199782	131749
4.624		1717229	1534725
4.674		77787	55619
4.688		15998	6126
4.707		213652	163287
4.75		539833	559593
4.795		123661	108709
4.835		1274062	1176629
4.866		20939	12651
4.896		138521	170723
4.947		660866	1069056
4.998		15006	10937
5.032		930967	972050
5.081		105102	83152
5.105		89776	136232
5.152		1231020	1102318
5.172		42156	20285
5.191		39283	23586
5.219		45665	36805
5.261		52902	63051
5.356		378149	326335
5.38		85479	61157
5.411		2435	1133
5.436		53641	47429
5.476		47225	43541
5.515		11746	10785
5.555		272677	239894
5.581		36738	24245
5.616		198711	221199
5.719		1185	1947
5.774		560	513
5.819		179815	167573
5.85		27223	25105
5.918		792	852
5.955		2386	2810
6.012		28200	28851
6.076		28906	46943
6.204		482	789
6.245		12593	13379
6.289		1461	1978
6.328		587	658
6.341		587	131
6.402		196	1457
6.423		456	422
6.449		24175	23731
6.506		2888	2940
6.597	DCB	2298111	2330953
6.69		614	256
6.703		740	334
6.762		868	307
6.825		753	188
6.879		3816	8233
6.978		392	190
6.992		715	443

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 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: 25PCBs17289001B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.055		10016	7410
2.123		1639	2337
2.188		2829	2624
2.235		3859	4257
2.362		2088	2329
2.414		2248	2266
2.493		9631	17470
2.547		33085	52413
2.592		1176	584
2.615	TCX	5591041	3211067
2.7		2313	4041
2.785		4945	6002
2.832		75145	47853
2.898		20280	13976
2.948		13673	7985
2.983		1919	1548
3.008		3448	2689
3.071		913	241
3.079		1042	265
3.106		23834	11814
3.116		7572	2561
3.156		3134	1462
3.18		7632	5604
3.204		1452	671
3.227		29840	19095
3.264		12078	6717
3.291		14896	7920
3.31		6353	3253
3.326		6144	3151
3.351		3562	1907
3.375		34270	16618
3.384		19159	7560
3.404		20952	9519
3.418		36862	24728
3.452		2592	1519
3.492		43087	28264
3.527		1197019	735859
3.55		362237	202103
3.568		39775	18615
3.629		1602	1045
3.653		786298	489179
3.676		60146	31776
3.697		79195	50515
3.726		19674	9438
3.742		305998	190288
3.783		73757	52015
3.823		60411	48702
3.853		267939	155153
3.875		2971719	1936390
3.9		312793	171573
3.919		286529	158257
3.938		529118	320836
3.973		2691350	1829764
4.005		1003713	614533

RT B	Compound B	Height B	Area B
4.022		583885	312382
4.082		204577	150103
4.117		955737	729006
4.174		2175221	1586505
4.206		587061	433440
4.234		3875798	2876029
4.271		263034	255640
4.325		1792050	1477527
4.361		264755	203118
4.394		2475739	1772792
4.418		373139	227174
4.46		1467959	1121182
4.486		75107	43143
4.559		1236914	1274424
4.612		1821520	1419756
4.651		420557	353839
4.69		2731036	2581739
4.737		195153	120871
4.76		85839	58604
4.819		30896	33934
4.859		5356	3259
4.876		124029	95949
4.91		127988	88570
4.933		819561	638756
4.983		95342	80197
5.018		84688	67711
5.05		53865	43649
5.081		420258	307227
5.103		252037	171812
5.121		41583	21052
5.144		7403	3844
5.174		29878	26379
5.218		1078	539
5.239		2679	4022
5.295		1067	1378
5.317		14434	11385
5.359		374558	363799
5.407		533	351
5.422		870	481
5.479		1279	2608
5.489		837	293
5.516		59045	52297
5.562		17704	11378
5.584		53729	41355
5.634		28152	23932
5.677		1444	470
5.74		24794	22193
5.797		2320	4541
5.831		1386	786
5.869		1610	2689
5.938		67419	56260
5.969		2194	1387
6.004		2448	3013
6.035		915	395
6.058		1395	1357
6.096	DCB	7190871	6103242
6.215		4304	6485
6.275		2347	2172
6.314		1280	965
6.349		1475	765
6.359		1804	543
6.38		1176	771
6.405		1772	1392
6.435		1054	1162
6.485		1289	1320
6.495		1052	316

RT B	Compound B	Height B	Area B
6.546		8433	8049
6.609		679	1257
6.668		962	494
6.705		915	804
6.723		1905	1827
6.788		854	2755
6.808		1031	873
6.854		708	1163
6.897		1444	3066
6.988		1585	1578

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

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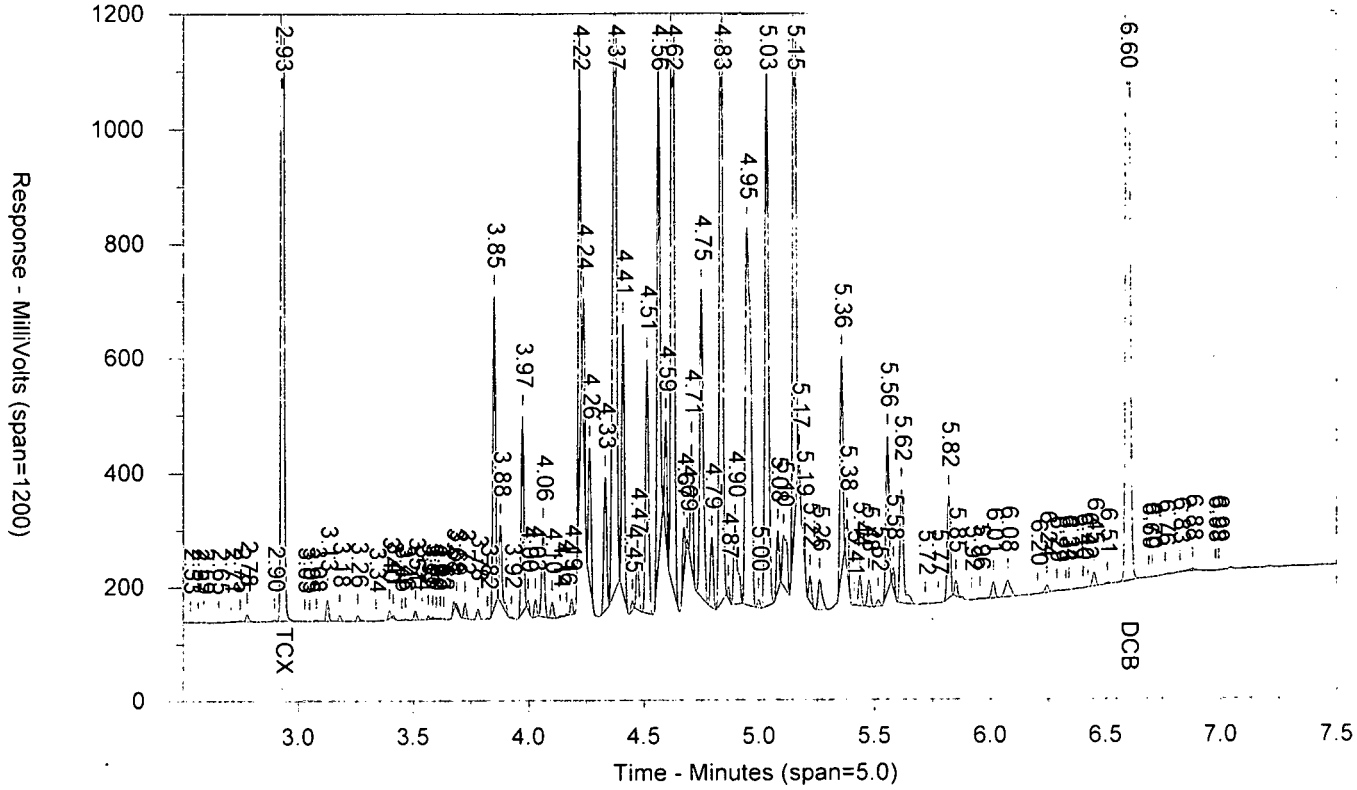

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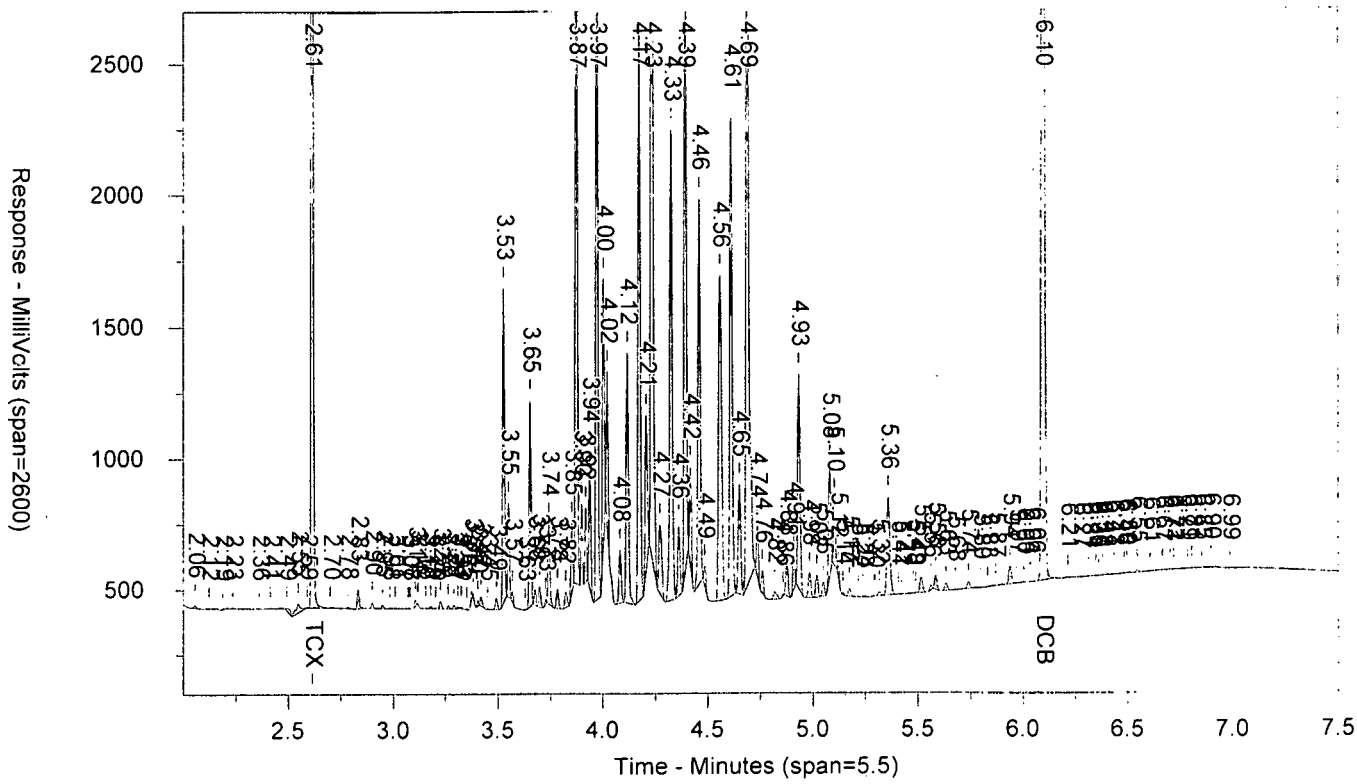

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082
Injected On: 10/17/2017 12:56:19 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	3009563	20.517	TCX	2.615	5591041	21.014	TCX
6.597	2298111	20.114	DCB	6.096	7190871	19.423	DCB

Files:
Area File: 25PCBs17289001.034.RAW
Area File: 25PCBs17289001B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/17/2017 1:04:51 AM
File Reported On: 10/17/2017 at 1:05:05 AM

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

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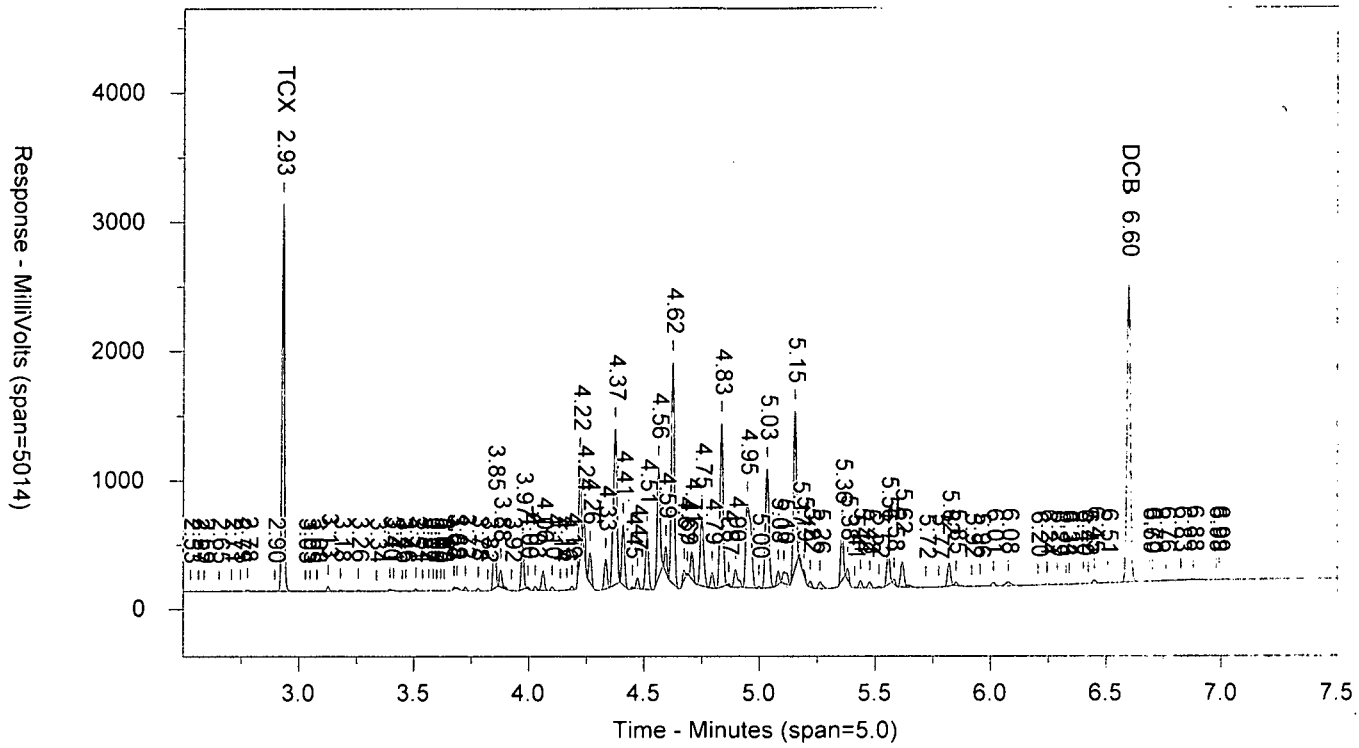

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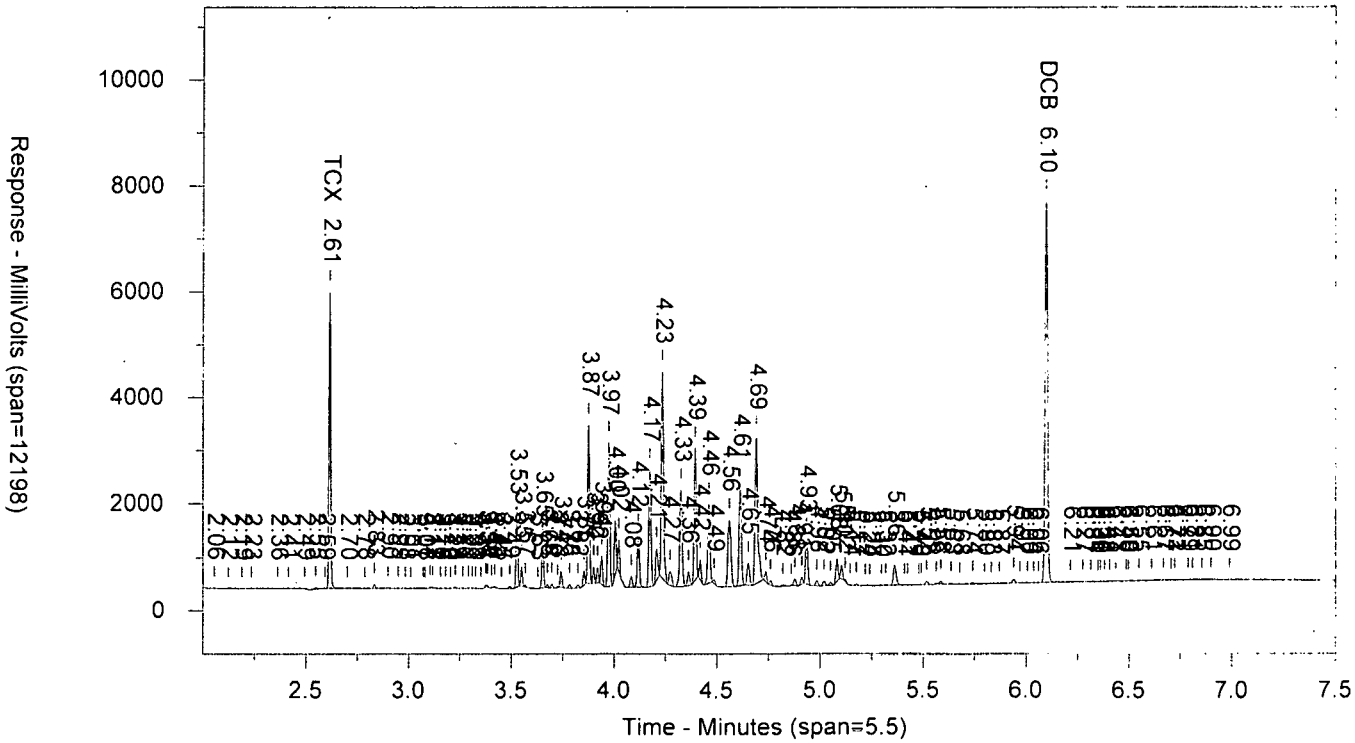

IC54X1724B AAIC54XAA CCAL 1728899999 10225 SW-846 8082

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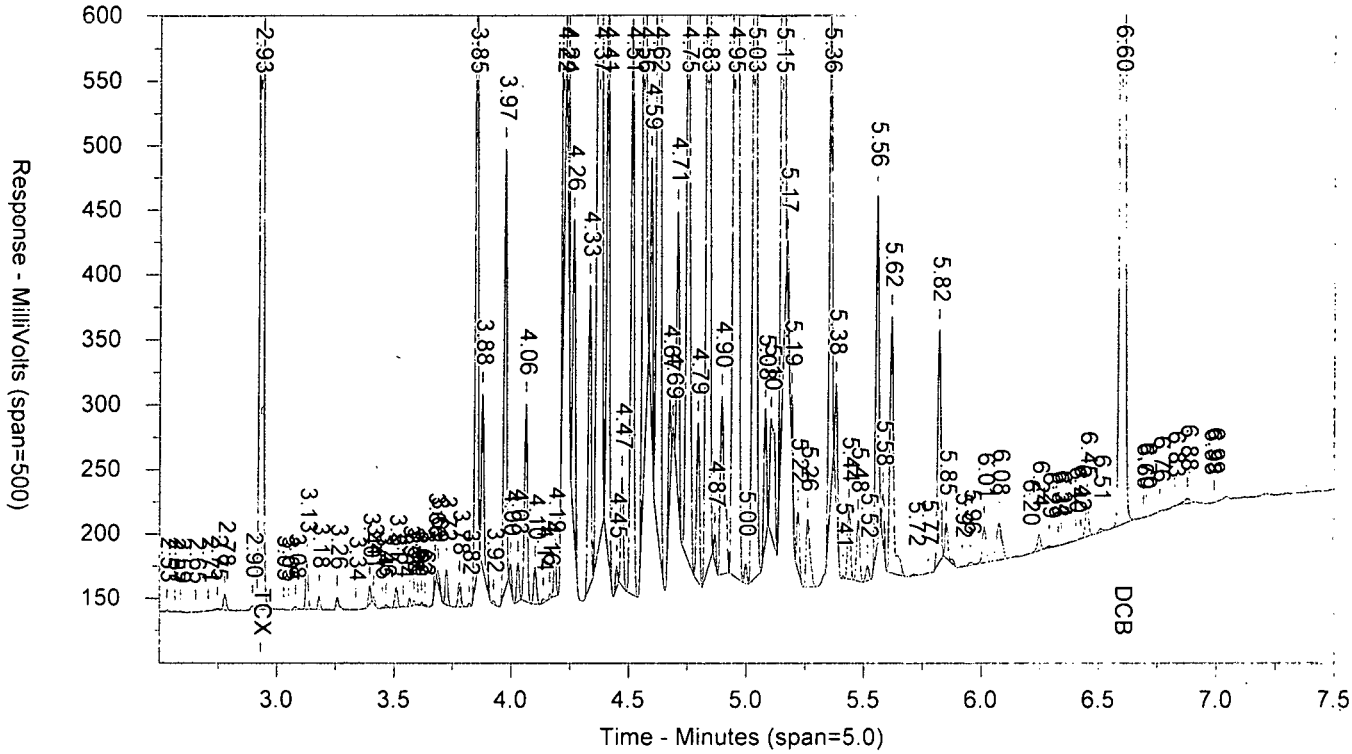

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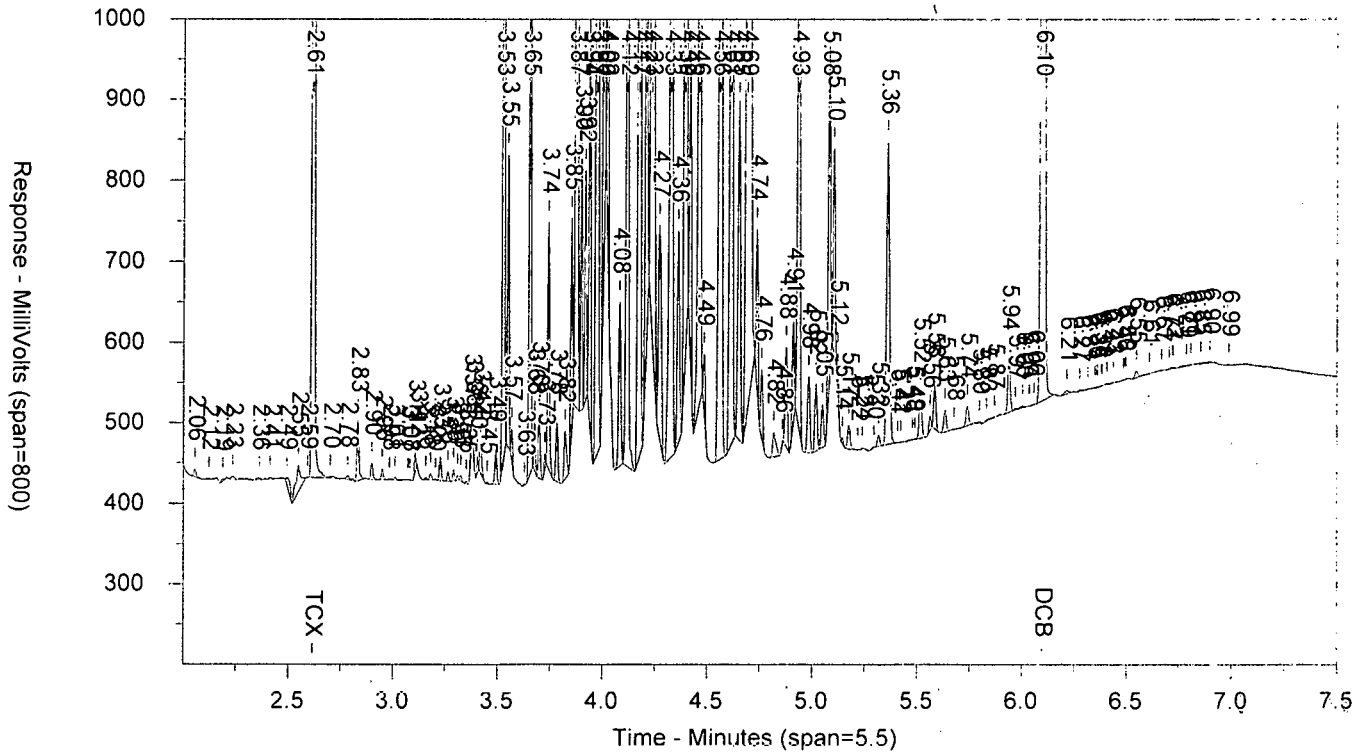

LANCASTER LABORATORIES

Sample Number: AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082
Injected On: 10/12/2017 7:29:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A 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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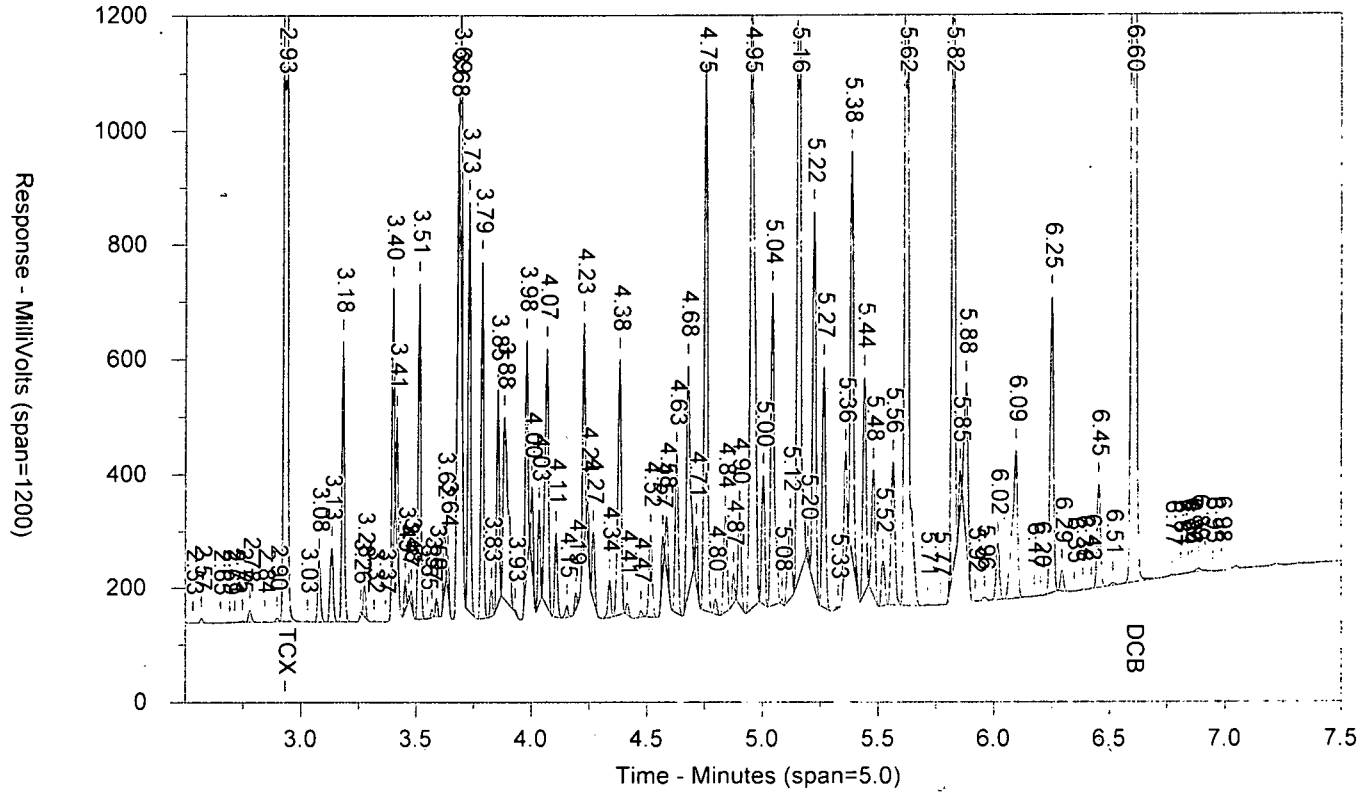

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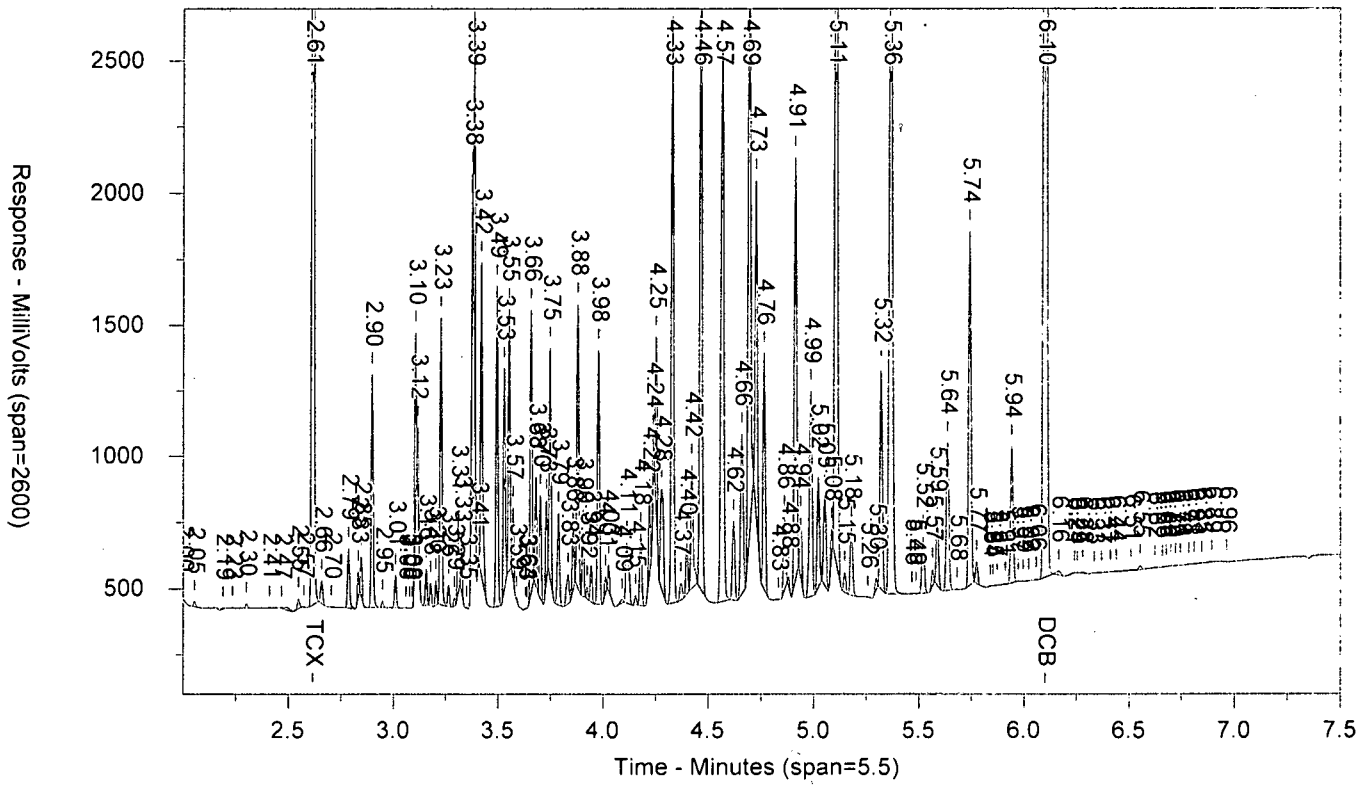

LANCASTER LABORATORIES

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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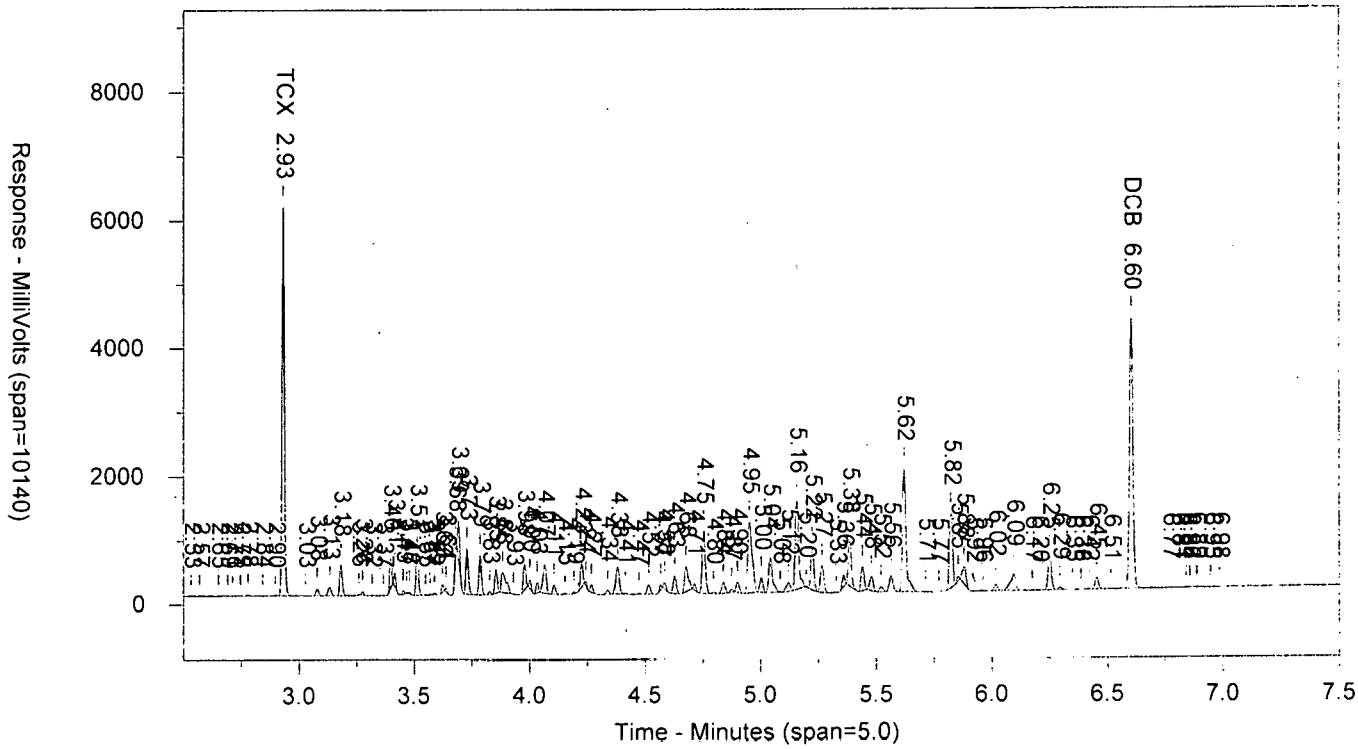

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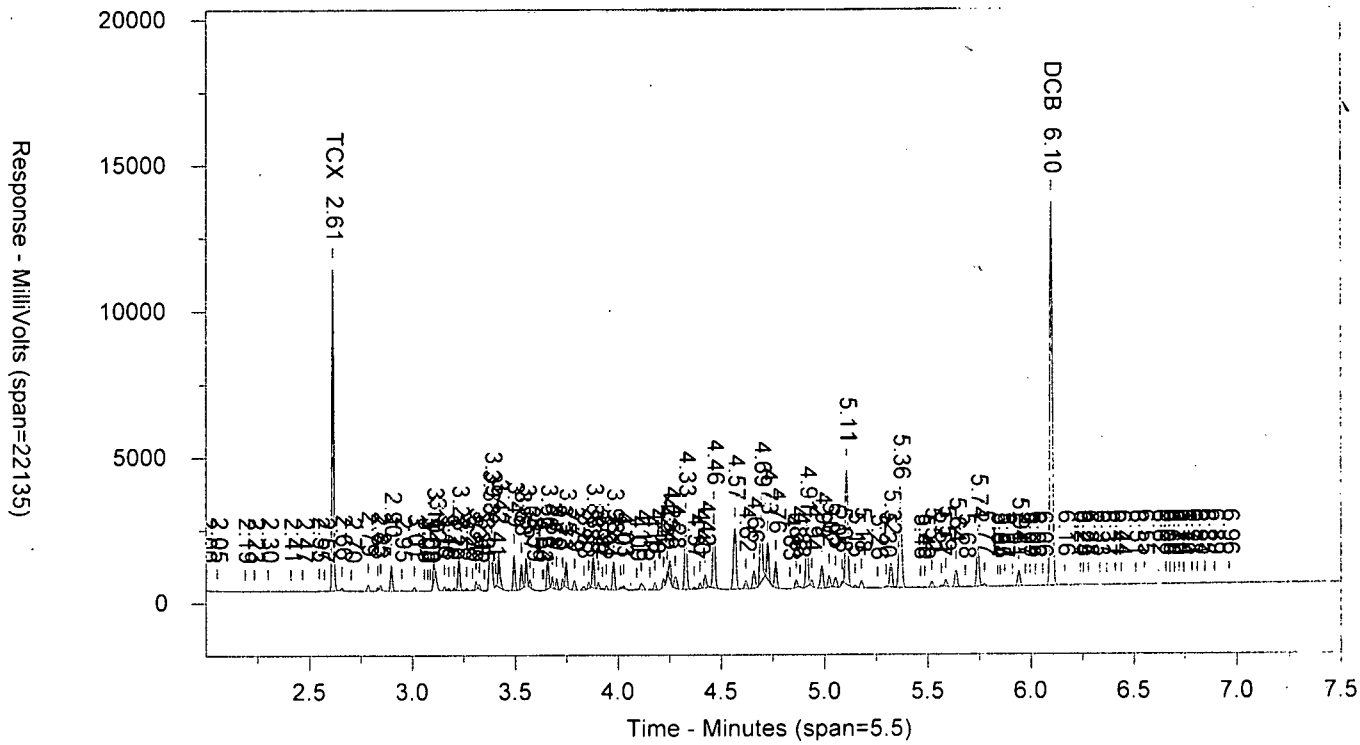

AR1641724B LBAR164LB CCAL 1728399999 10225 SW-846 8082

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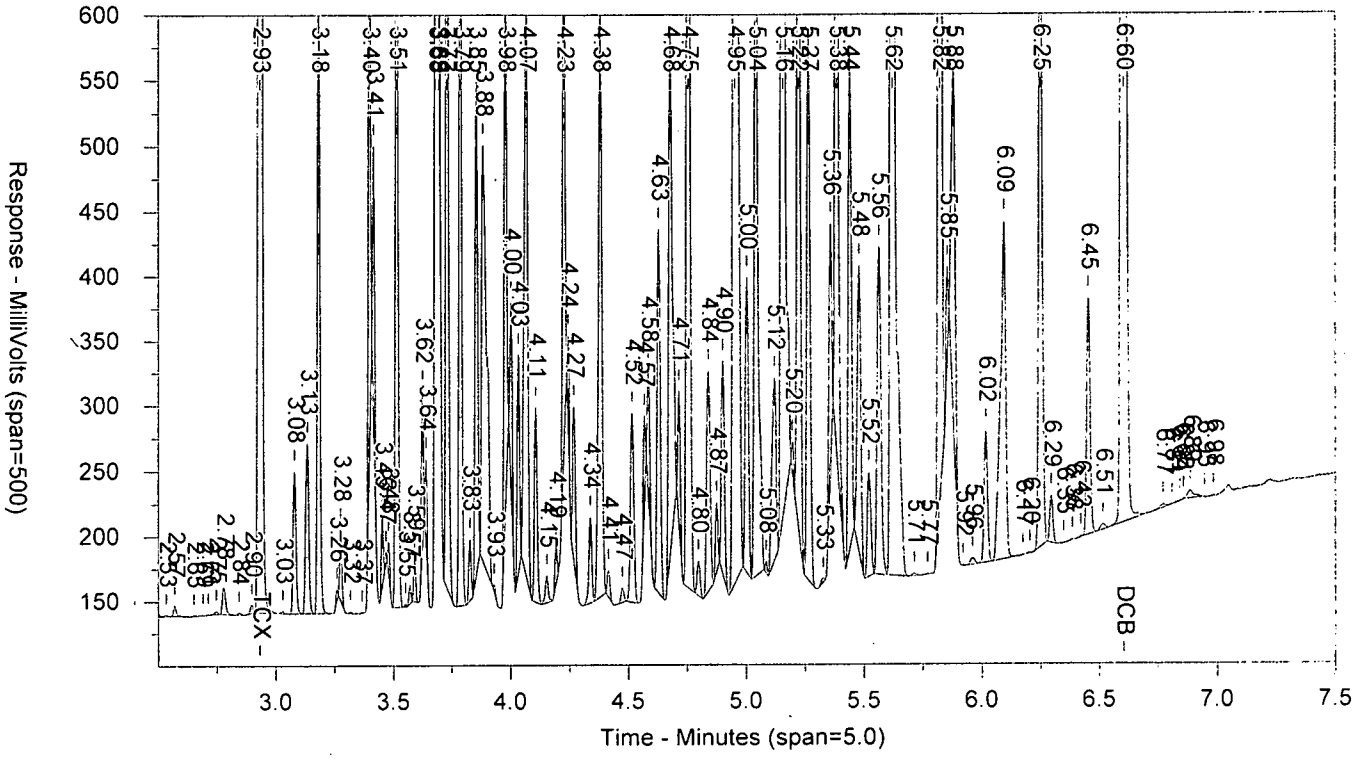

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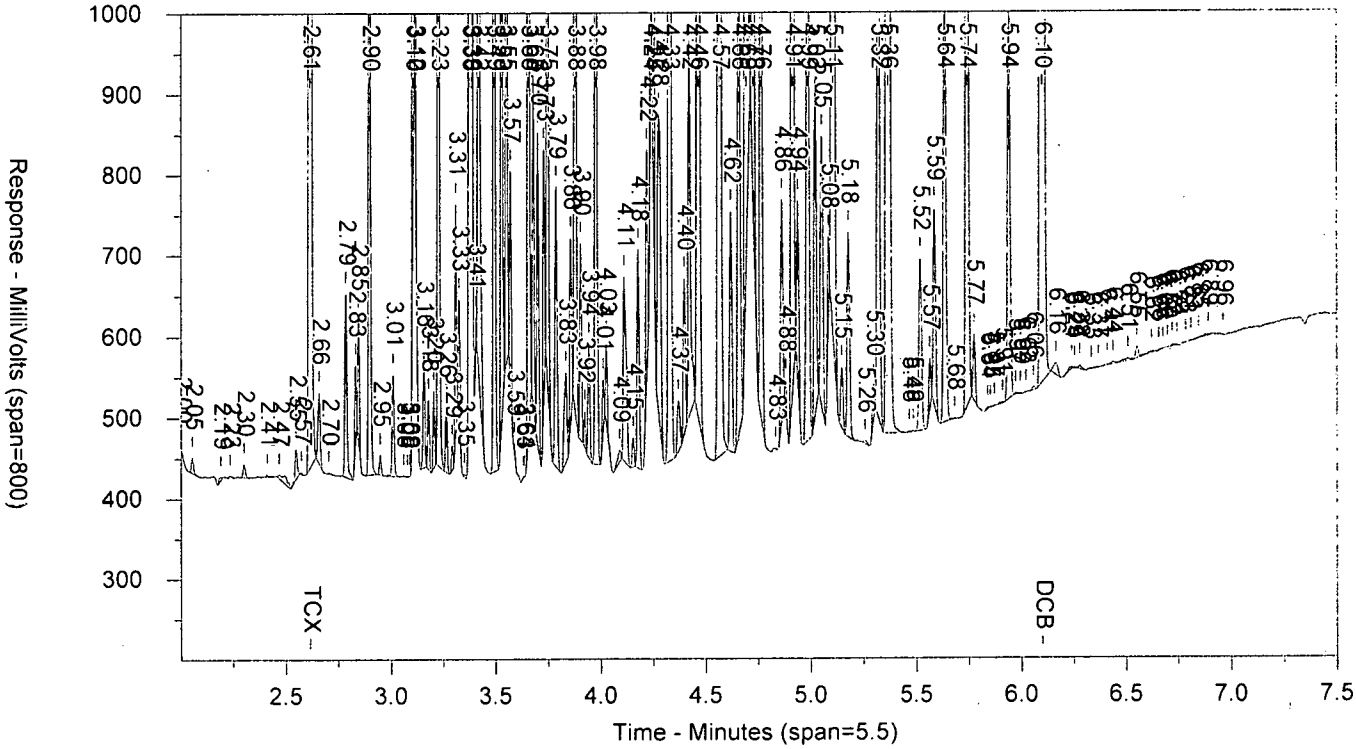

LANCASTER LABORATORIES

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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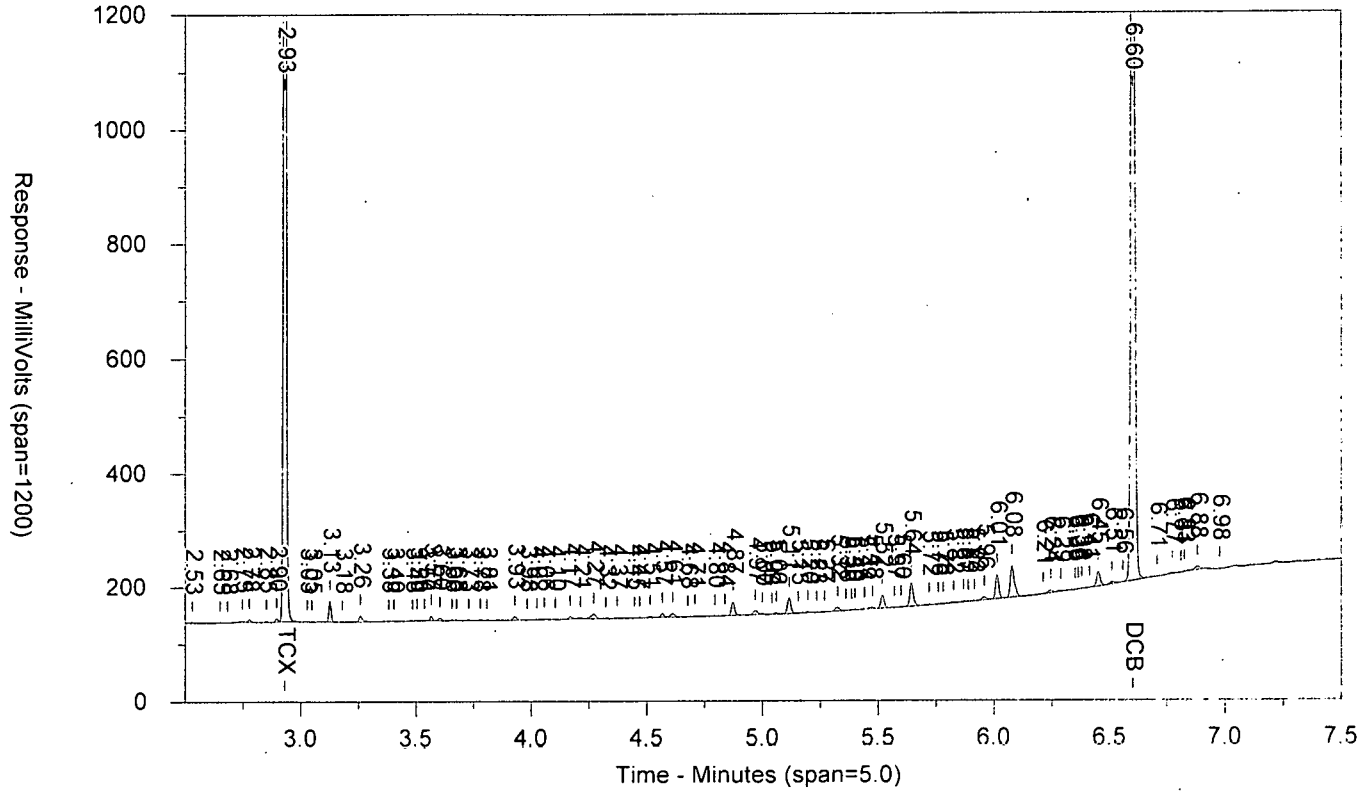

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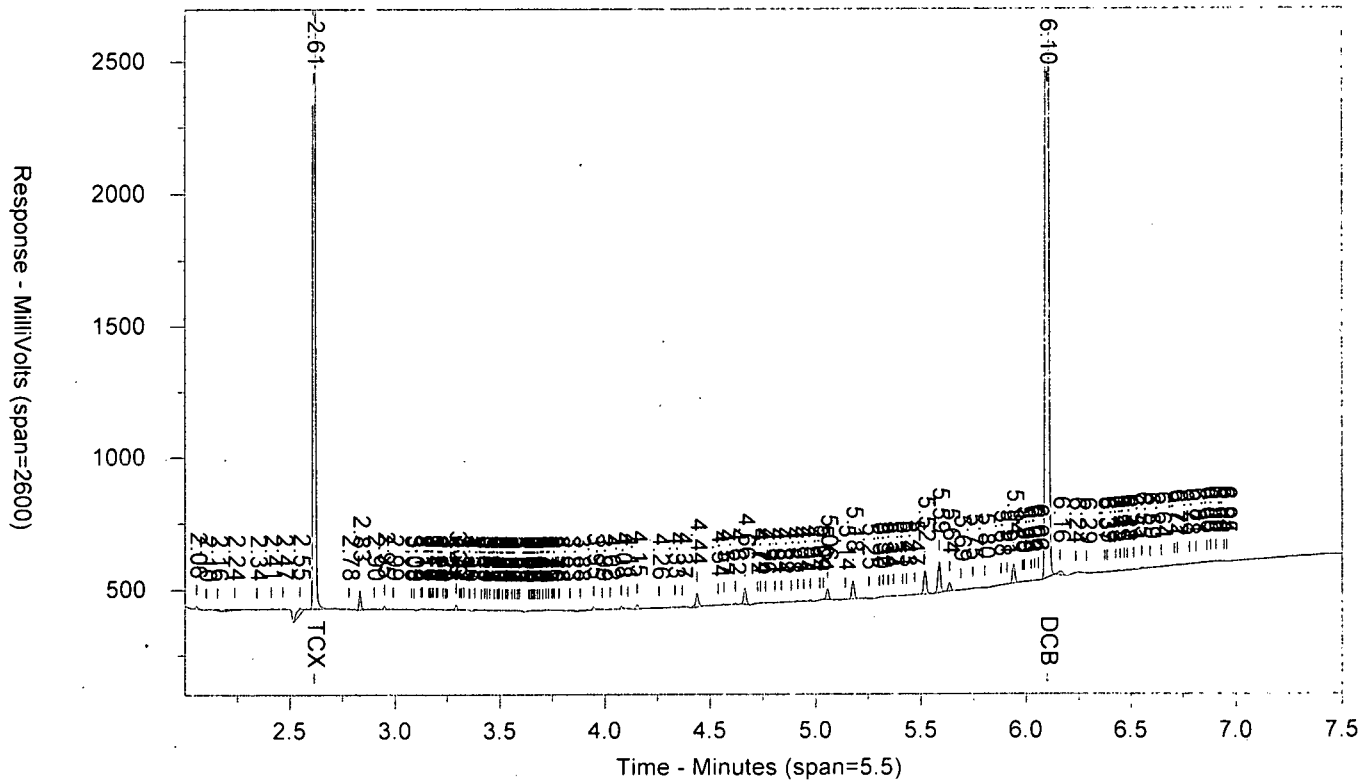

LANCASTER LABORATORIES

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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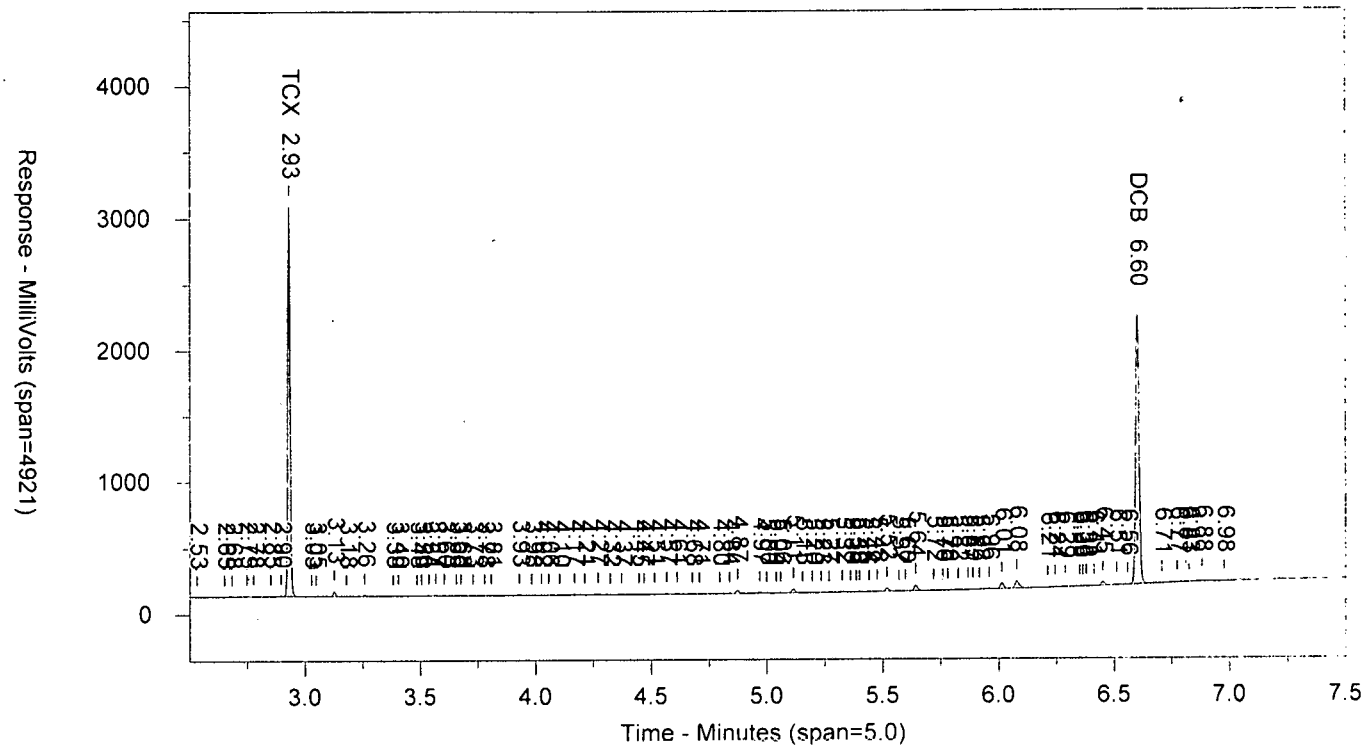

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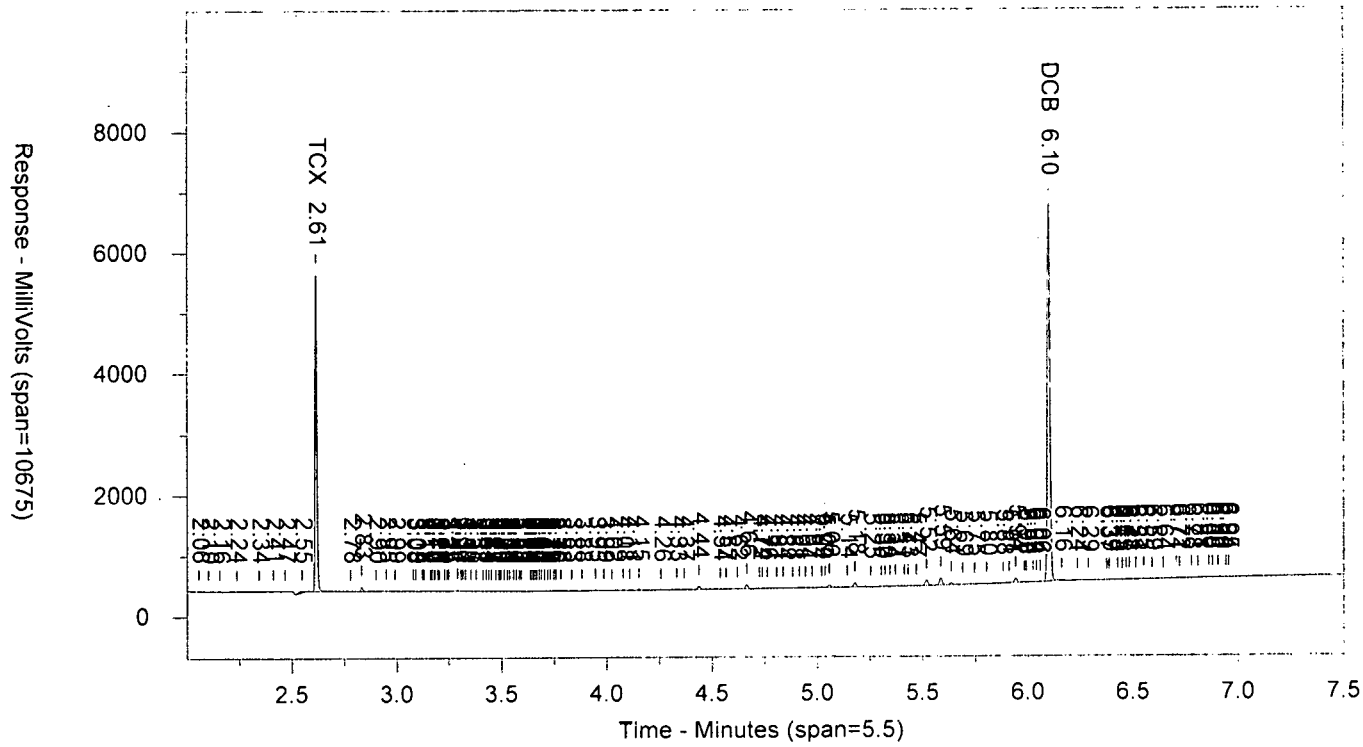

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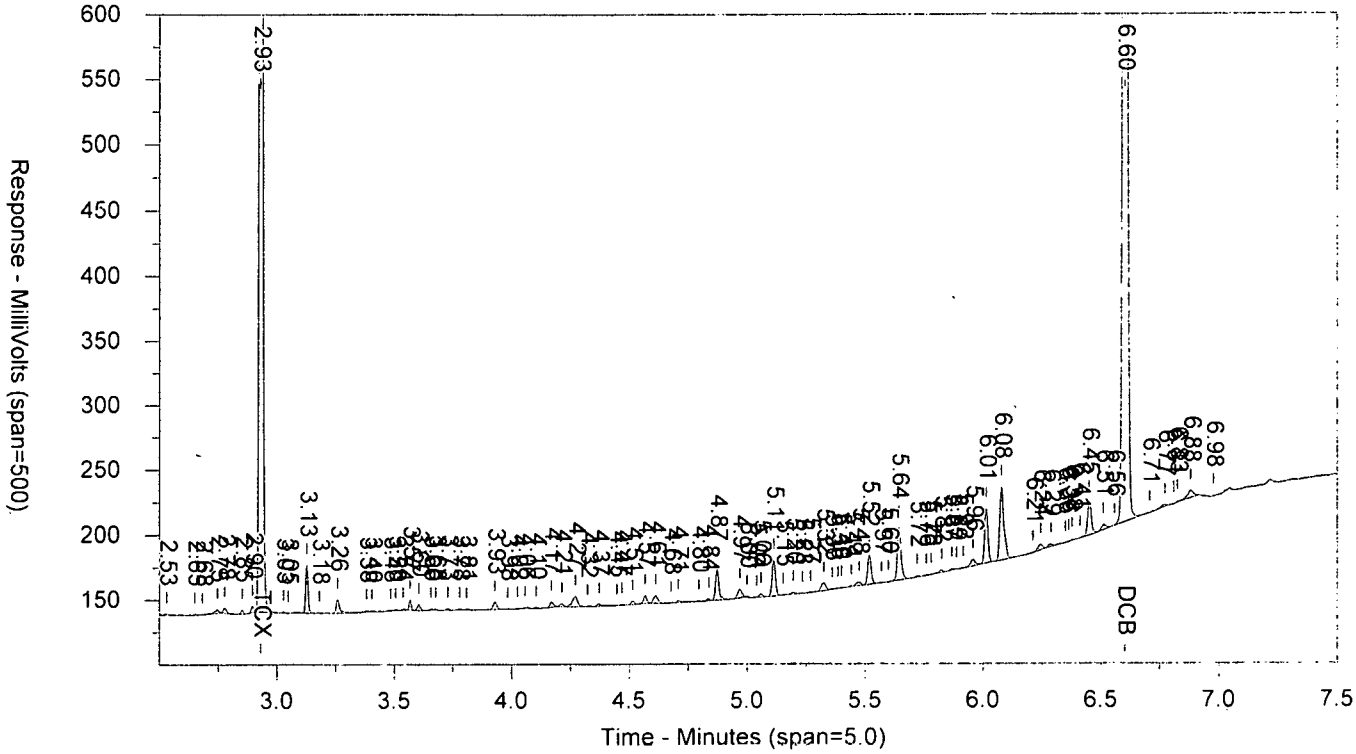

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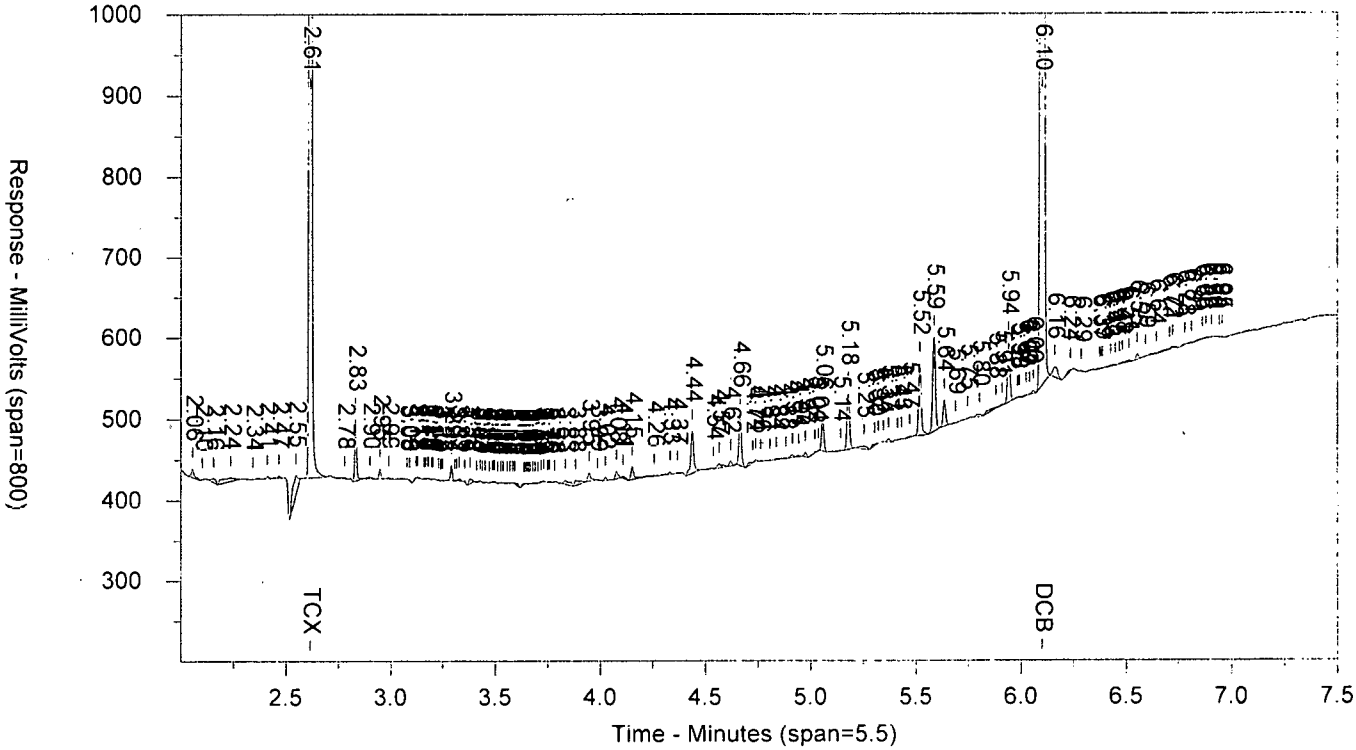

LANCASTER LABORATORIES

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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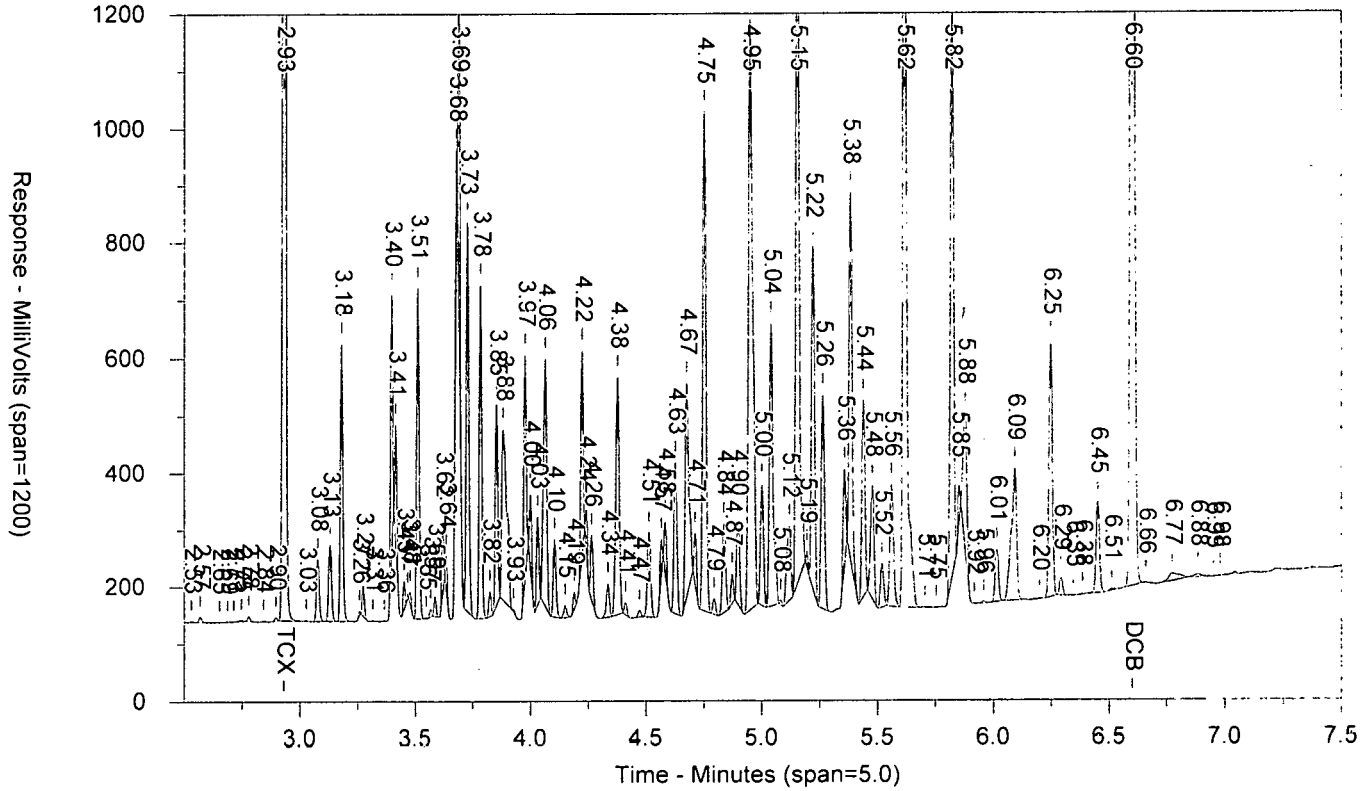

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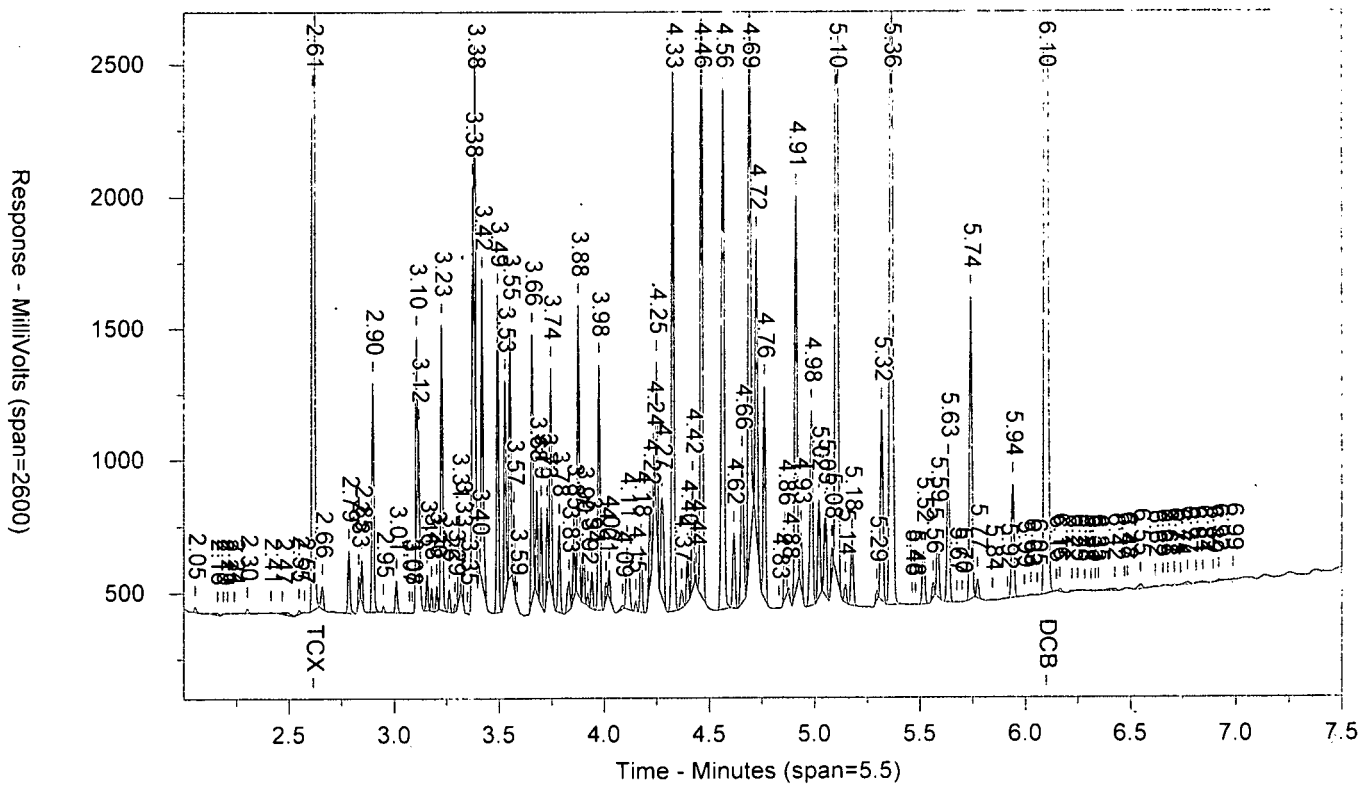

LANCASTER LABORATORIES

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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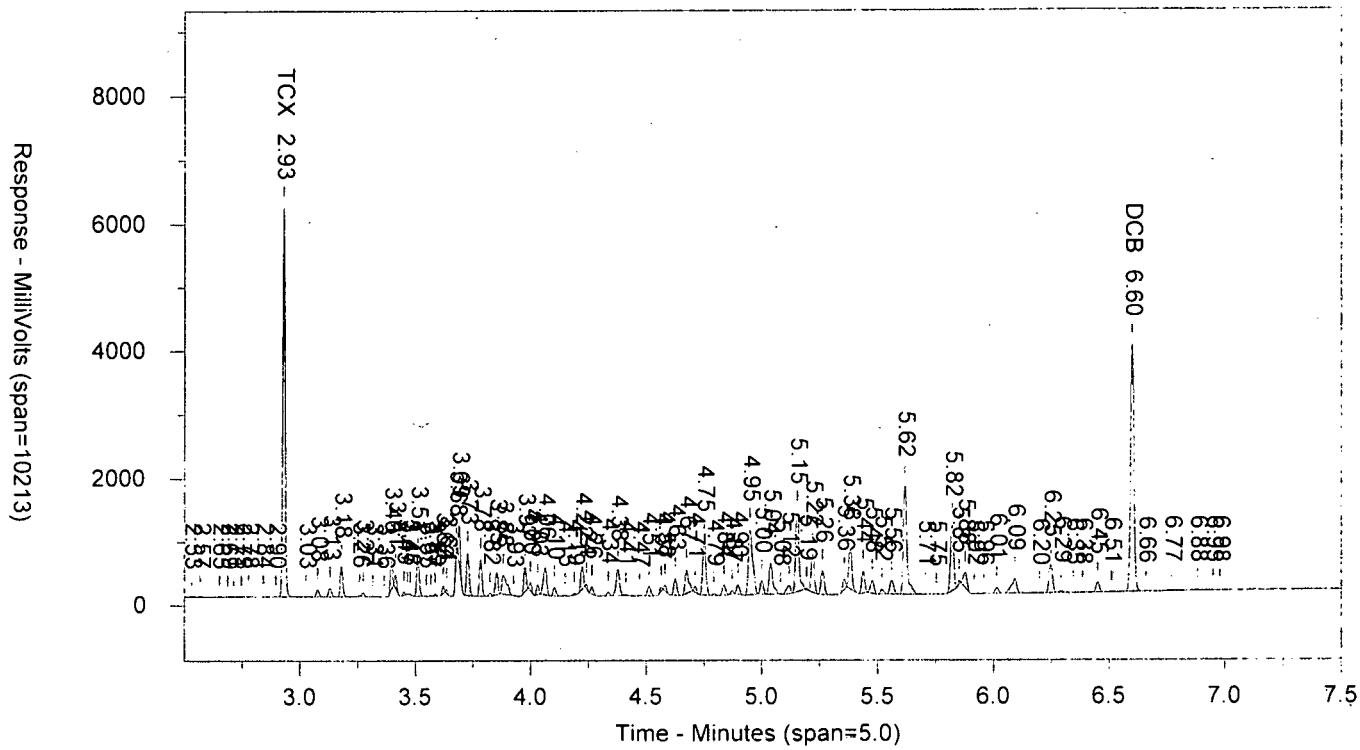

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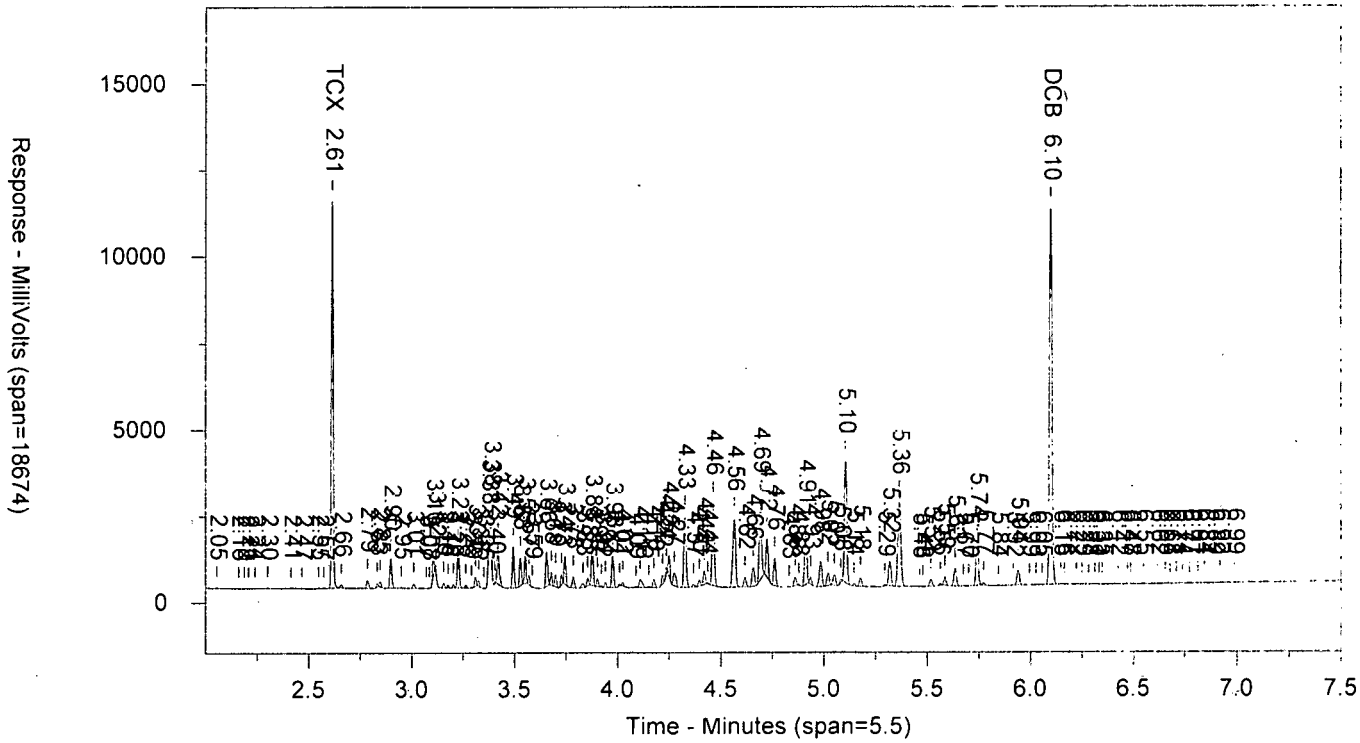

AR1641724B LCAR164LC CCAL 1728399999 10225 SW-846 8082

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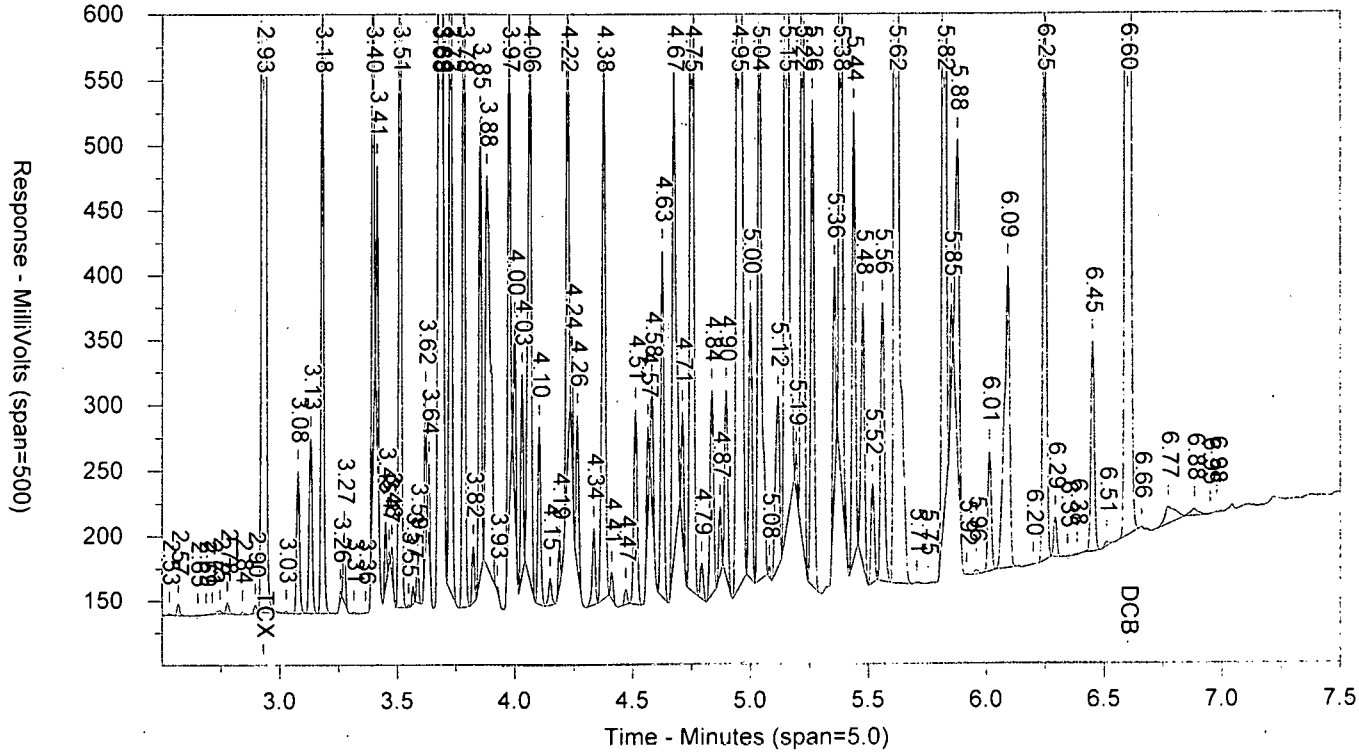

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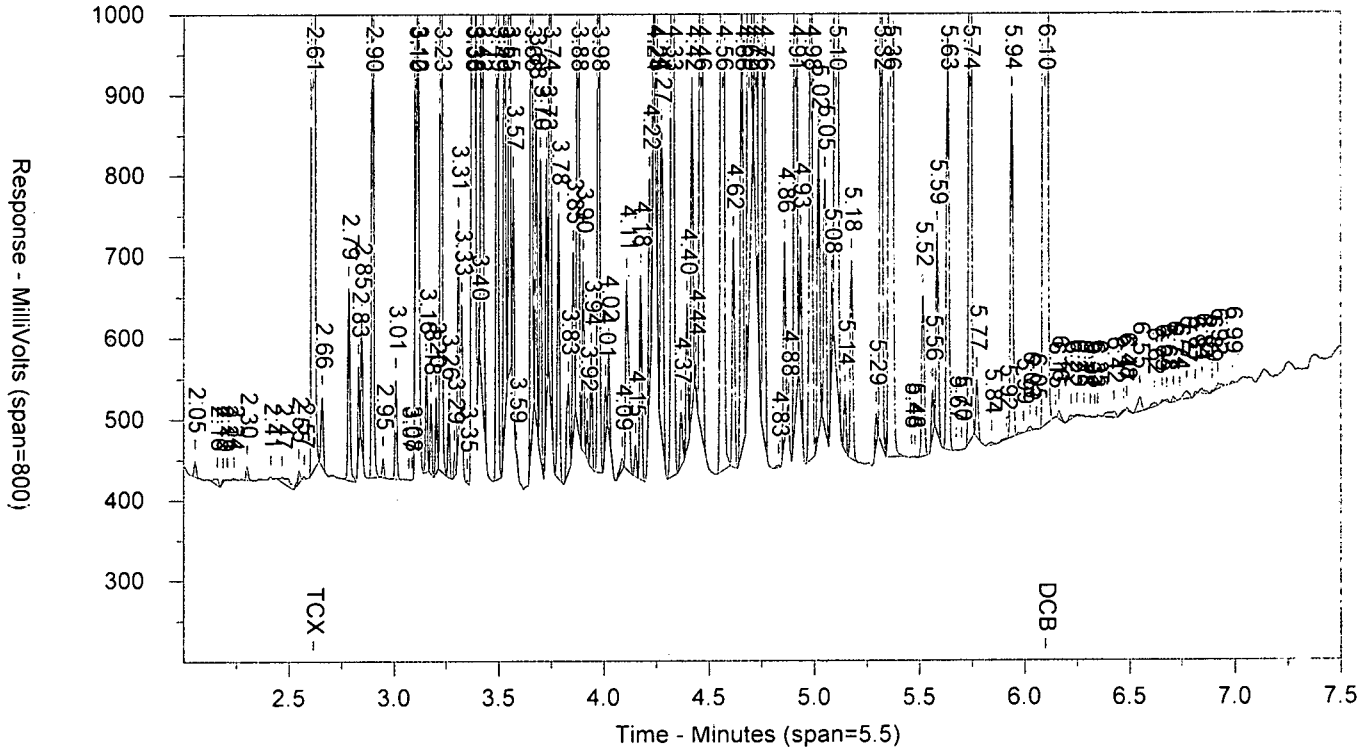

LANCASTER LABORATORIES

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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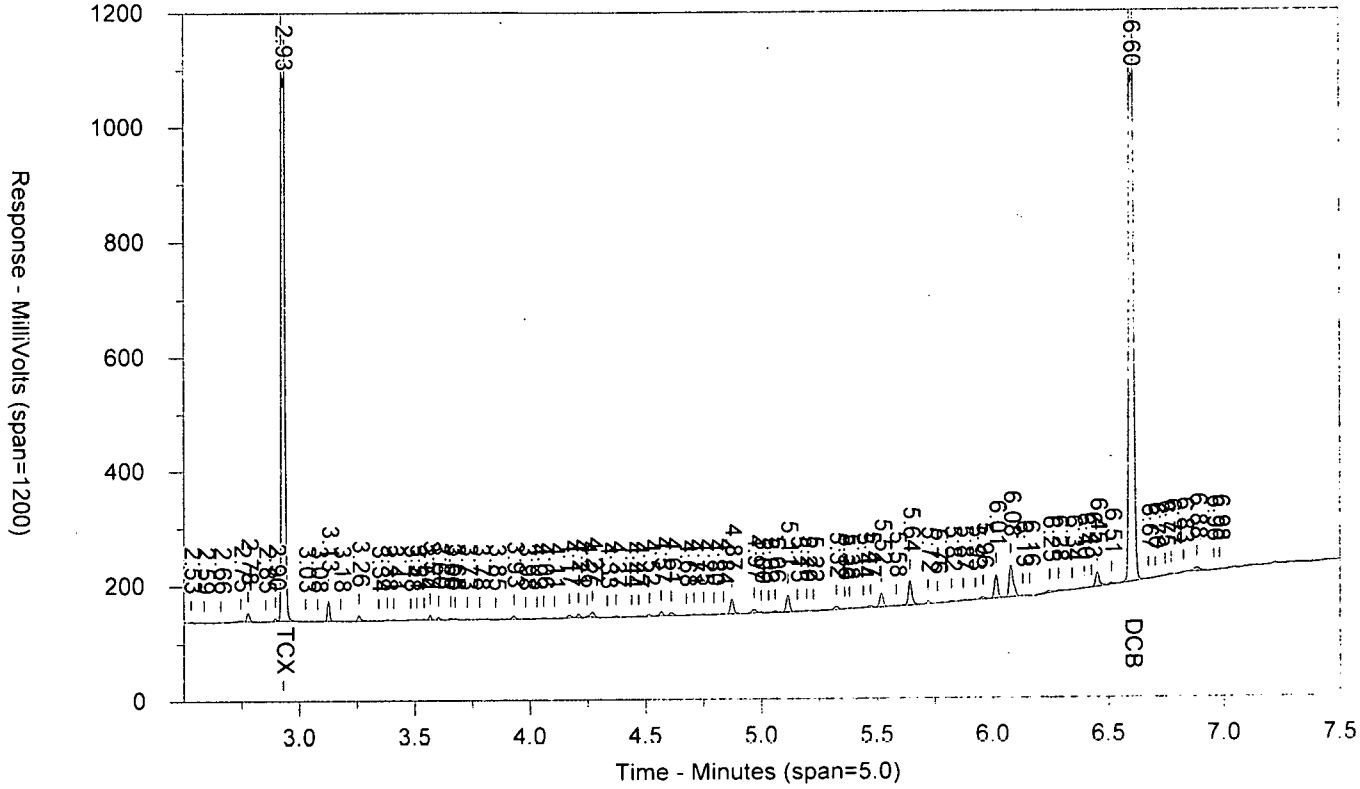

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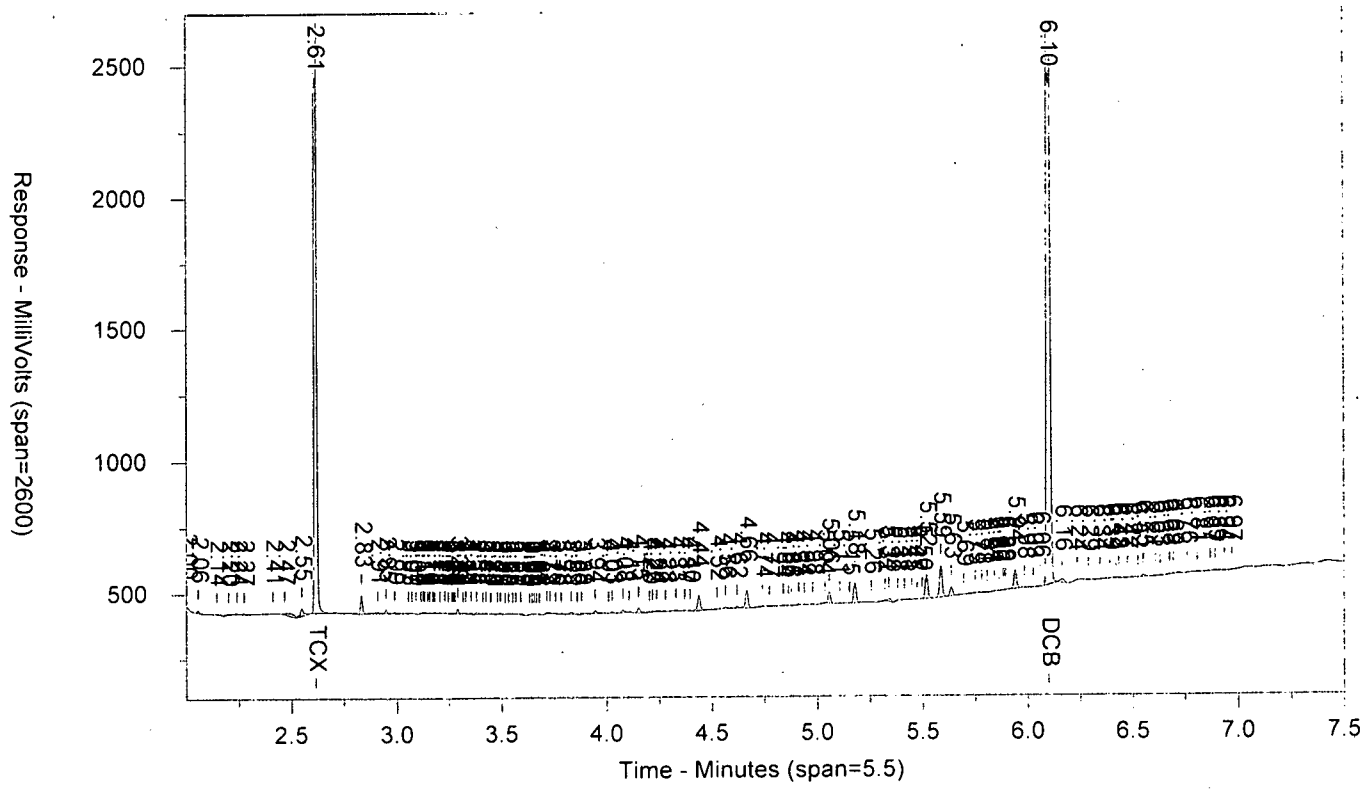

LANCASTER LABORATORIES

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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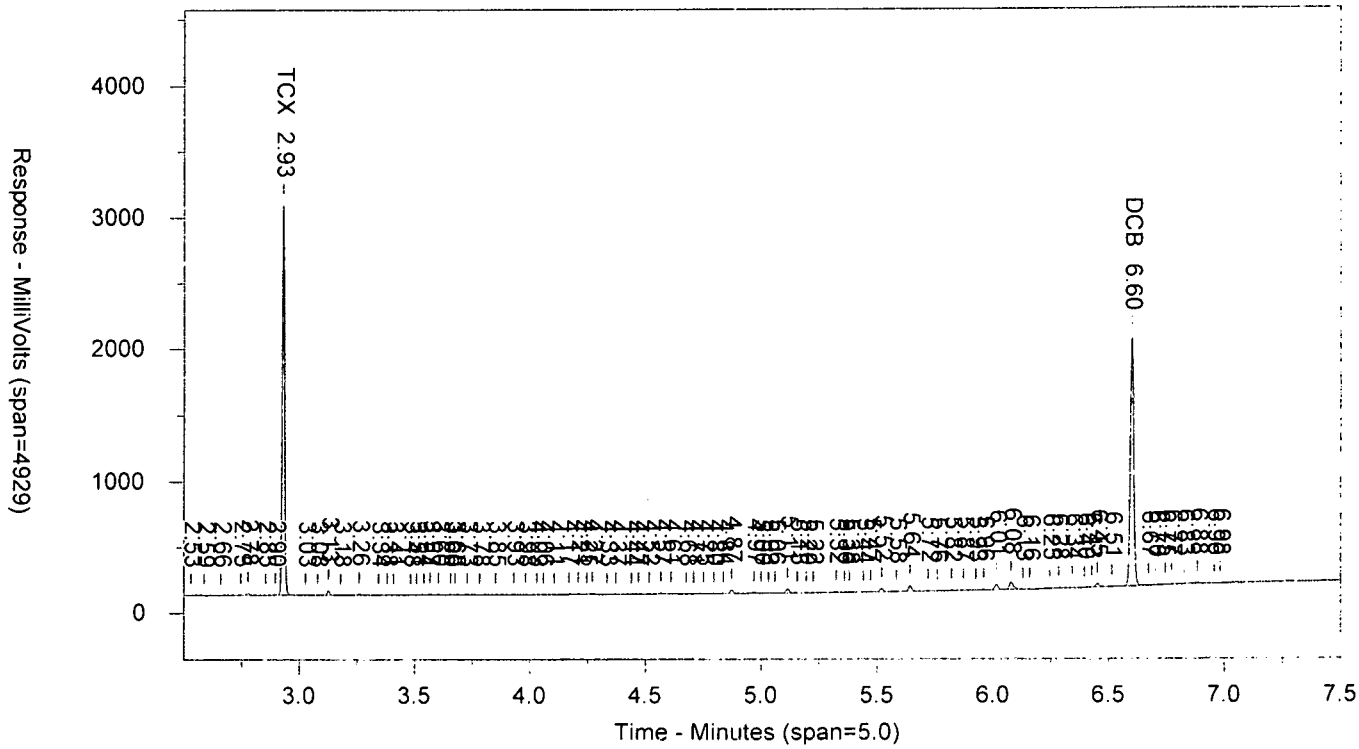

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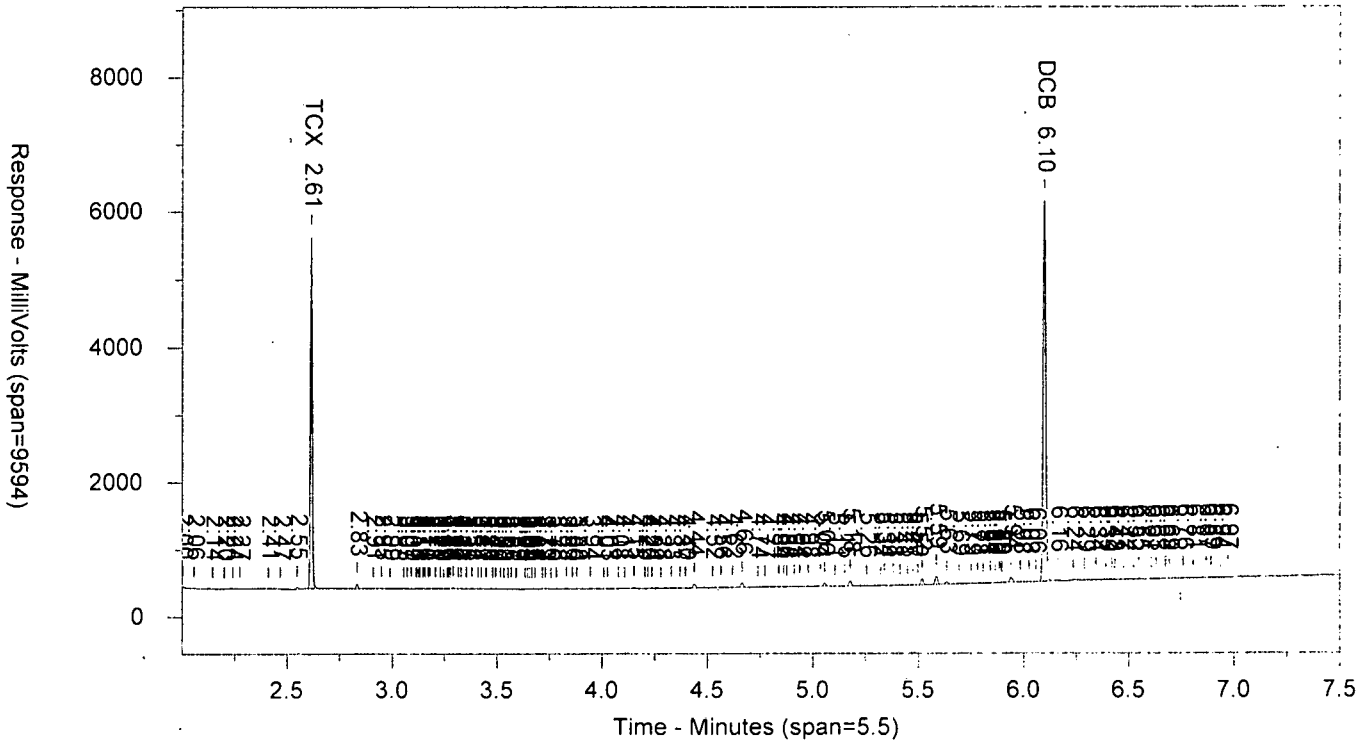

IBLKX1724B SBPIBLKSB PIBLK1728399999 10225 SW-846 8082

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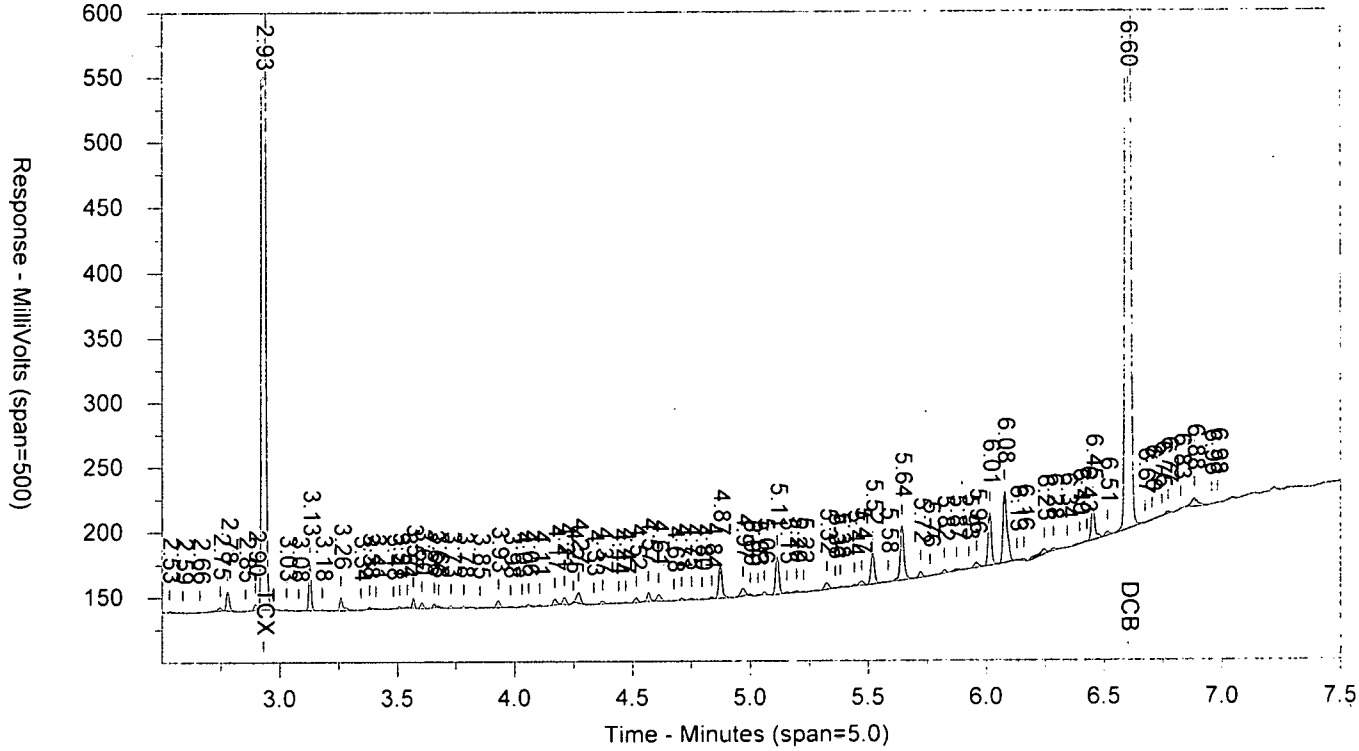

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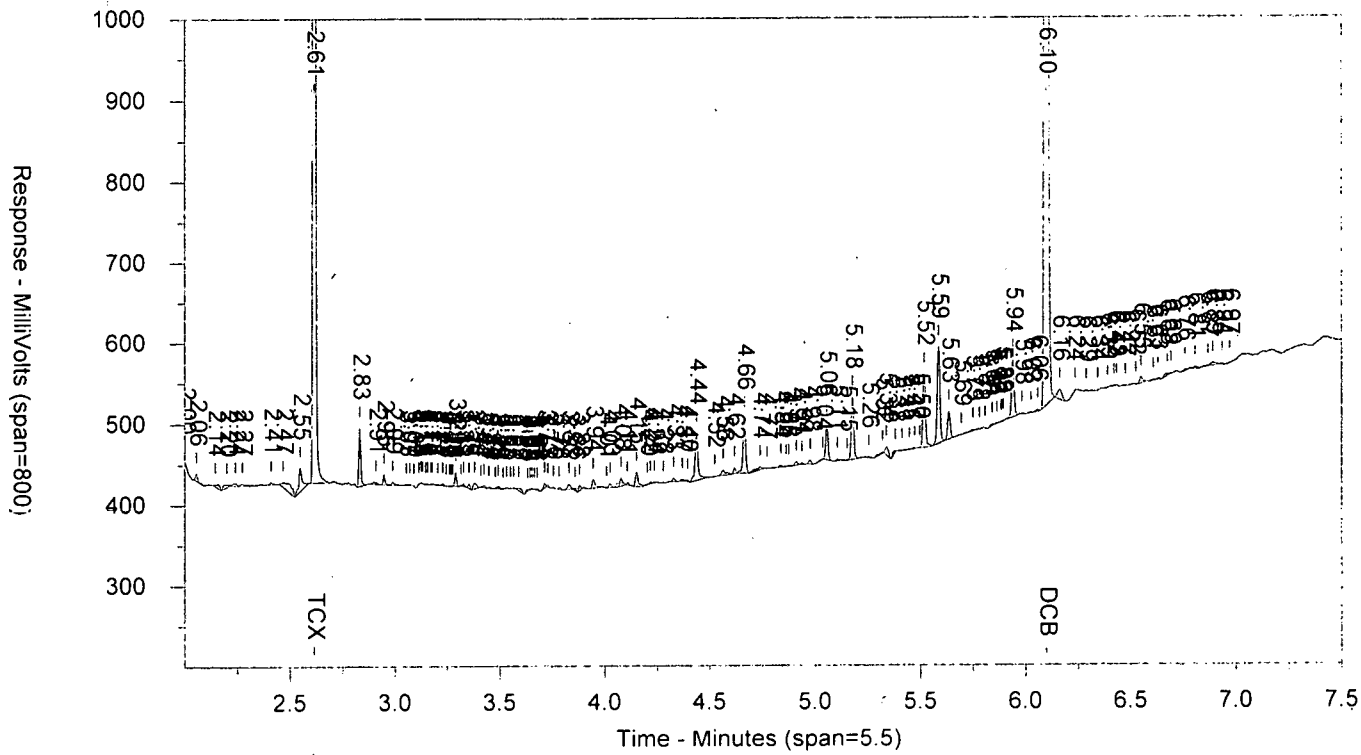


LANCASTER LABORATORIES

Sample Number: AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 12:57:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.100.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		11845	10967
2.086		6440	11469
2.169		1273	1165
2.203		390	188
2.231		25827	19627
2.331		17065	17089
2.366		1870	1583
2.489		8414	9253
2.534		1463	1090
2.568		5669	4465
2.652		586	581
2.706		719	895
2.741		1990	2914
2.777		11272	9368
2.842		1319	861
2.895		5992	5170
2.931	TCX	6067257	4164681
3.028		2120	1753
3.077		75867	65068
3.132		128456	119921
3.18		467129	344247
3.258		9592	5058
3.274		51502	32811
3.316		1324	1040
3.366		505	430
3.396		458314	282688
3.413		202840	110210
3.45		58998	33178
3.466		3496	1169
3.477		32953	18207
3.511		588318	454621
3.548		2694	1280
3.568		16886	9889
3.587		12503	7167
3.621		124485	71420
3.635		65912	31203
3.679		222646	144397
3.69		589965	317879
3.727		724356	547216
3.783		618372	483474
3.824		45675	32379
3.853		395353	298451
3.88		267518	224902
3.901		67074	34876
3.975		449223	327201
3.999		151898	97571
4.031		179025	124439
4.063		495638	471456
4.104		146960	124561
4.15		21135	21286
4.19		27436	19483
4.224		406196	305193
4.241		68726	38186
4.265		128573	103122

RT A	Compound A	Height A	Area A
4.336		69549	58101
4.379		452569	450120
4.412		12175	8323
4.453		546	280
4.475		3249	2603
4.516		31144	28592
4.567		48434	33636
4.583		107562	77329
4.627		284983	263086
4.676		417171	470176
4.712		87197	62463
4.752		968715	907857
4.797		3924	3276
4.838		167669	171445
4.87		8749	5495
4.899		174876	171127
4.95		1149728	1469805
5.001		219955	210407
5.041		536085	608643
5.12		108256	129375
5.154		1429346	1490404
5.195		13894	6043
5.221		660967	638127
5.264		421990	409635
5.329		1520	2328
5.357		180541	152767
5.383		724272	657353
5.439		370560	355596
5.478		205782	218215
5.521		34361	37906
5.561		241886	278491
5.619		1890074	2036071
5.718		2584	4517
5.773		520	301
5.823		1151430	1079550
5.852		66390	43096
5.879		261481	288310
5.927		1746	1781
5.957		3744	4531
5.987		768	260
6.014		45144	45694
6.092		210790	280314
6.15		3987	4095
6.197		1572	1945
6.248		459349	482934
6.294		32160	30263
6.341		474	167
6.422		1467	5101
6.452		143076	145546
6.51		32239	32335
6.553		1662	1376
6.601	DCB	3966556	4090305
6.672		1350	1389
6.707		617	504
6.732		2075	1882
6.783		1409	2809
6.804		1070	479
6.824		3189	3601
6.885		2802	3436

LANCASTER LABORATORIES

Sample Number: AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 12:57:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.100.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

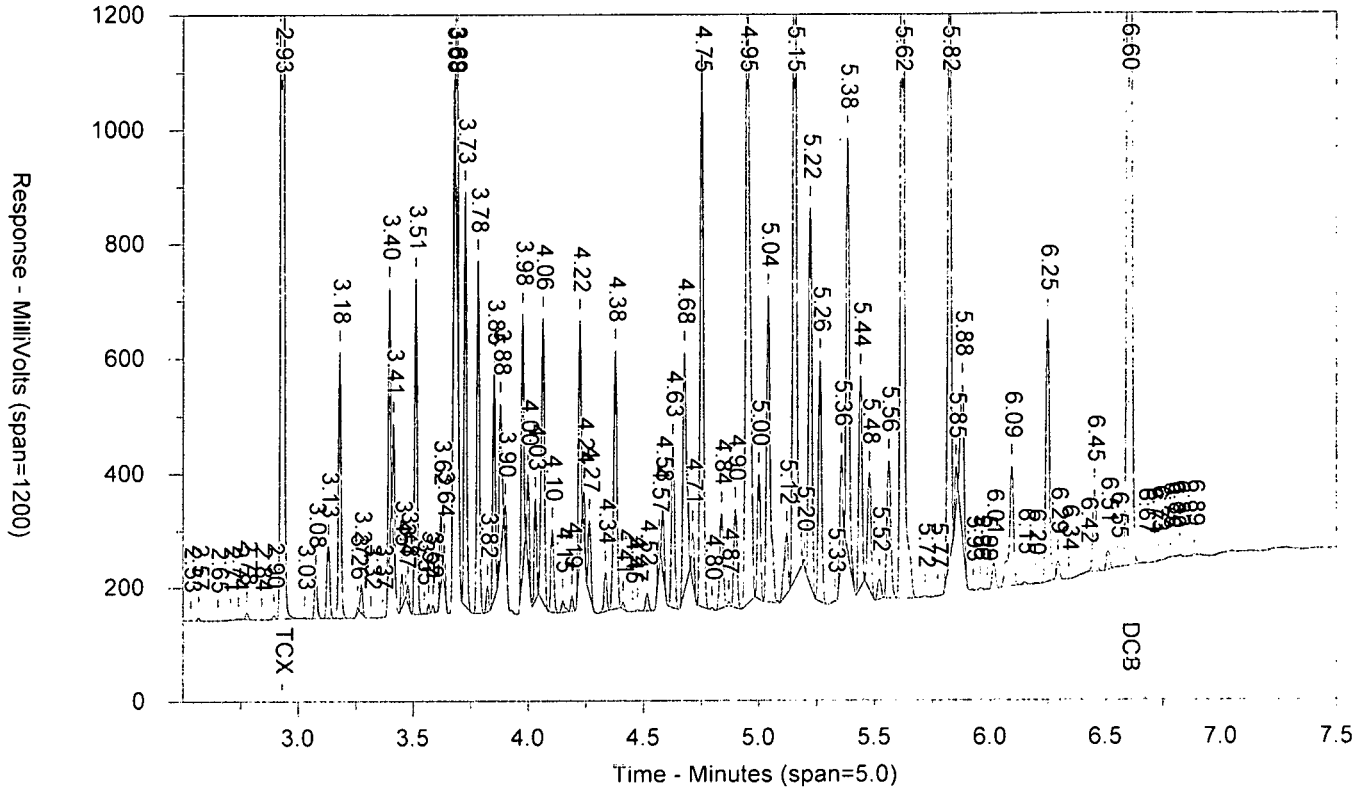
RT B	Compound B	Height B	Area B
2.055		19377	14068
2.123		1664	2852
2.157		5468	4607
2.187		4315	3713
2.208		2674	1963
2.23		4338	4685
2.3		10437	7769
2.364		2965	3262
2.412		6051	60175
2.533		6190	5437
2.547		19617	17339
2.615	TCX	11054360	6402496
2.658		76644	54244
2.704		2744	3652
2.785		162538	111485
2.832		98119	46855
2.846		144288	75797
2.898		851885	529669
2.948		26438	15603
3.009		116415	74951
3.069		1278	873
3.105		732450	362755
3.116		248928	97877
3.156		137681	85151
3.177		62414	35076
3.203		103215	58018
3.226		1082952	714110
3.263		37336	21423
3.291		33097	16277
3.31		294354	154904
3.325		176790	85791
3.352		8687	4504
3.375		604689	299819
3.385		1355163	551679
3.405		48464	18764
3.419		1191249	797220
3.493		1321163	812650
3.528		878499	550685
3.551		953327	530107
3.569		318972	165499
3.632		1423	1741
3.655		1152372	744234
3.678		447860	242972
3.699		417135	239262
3.728		278676	136185
3.745		1002085	588221
3.785		354937	249026
3.833		44716	36282
3.854		272526	162630
3.876		1256264	818468
3.902		289866	169679
3.921		42733	20836
3.94		168876	106053
3.975		1067519	718670

RT B	Compound B	Height B	Area B
4.009		46284	27143
4.024		77067	51278
4.075		12082	14449
4.119		67203	49764
4.147		5423	4792
4.176		266069	186485
4.218		280954	163463
4.236		243547	118947
4.249		743931	399752
4.275		402004	422826
4.326		2340898	1802394
4.374		32939	24250
4.396		230073	149993
4.42		520457	387971
4.463		2888542	2220436
4.565		2255218	2079697
4.617		272739	215914
4.656		604430	505874
4.691		2565758	2180913
4.724		1343890	927035
4.762		898186	702721
4.831		3538	3586
4.861		296059	309681
4.911		1592907	1266709
4.936		208954	133774
4.985		803071	722310
5.021		401876	316732
5.05		299296	245148
5.083		121487	79263
5.105		4048572	3202475
5.146		79614	59626
5.177		135709	117301
5.218		3581	2488
5.295		44461	28824
5.319		808882	645620
5.364		2646771	2791813
5.432		1138	747
5.46		1950	1058
5.483		3028	2242
5.519		105673	86536
5.563		75020	54491
5.587		74001	53904
5.635		497067	418252
5.742		1196621	976565
5.773		75485	55196
5.837		5001	4277
5.874		1327	1137
5.894		1721	1504
5.939		390476	325099
5.973		7408	5490
6.005		87818	75421
6.06		1939	1364
6.099	DCB	10945610	8991578
6.219		10631	19302
6.267		1263	456
6.309		9739	14087
6.355		948	357
6.365		1276	829
6.412		2135	2102
6.428		2147	2426
6.527		1739	4201
6.548		8627	6605
6.582		838	513
6.607		920	648
6.632		764	446
6.685		2045	4953

RT B	Compound B	Height B	Area B
6.724		1331	816
6.774		7139	12533
6.863		3208	9946
6.923		1584	1123
6.94		988	495
6.969		793	458

AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17284003.100.RAW



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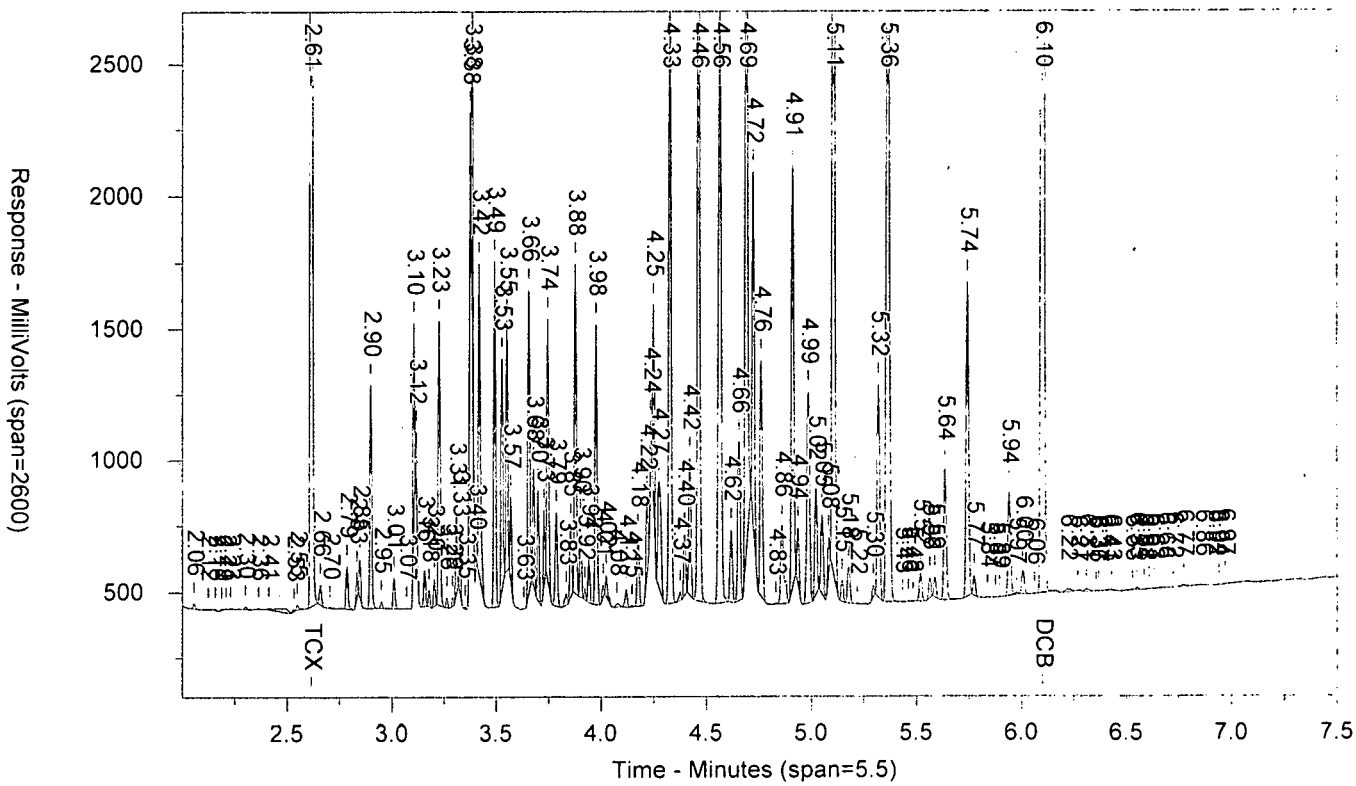

LANCASTER LABORATORIES

Sample Number: AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 12:57:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	6067257	40.215	TCX	2.615	11054360	40.576	TCX
6.601	3966556	41.151	DCB	6.099	10945610	36.156	DCB

Files:
Area File: 25pcbs17284003.100.RAW
Area File: 25pcbs17284003B.100.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: 10/16/2017 1:06:22 PM
File Reported On: 10/16/2017 at 1:06:41 PM

AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082

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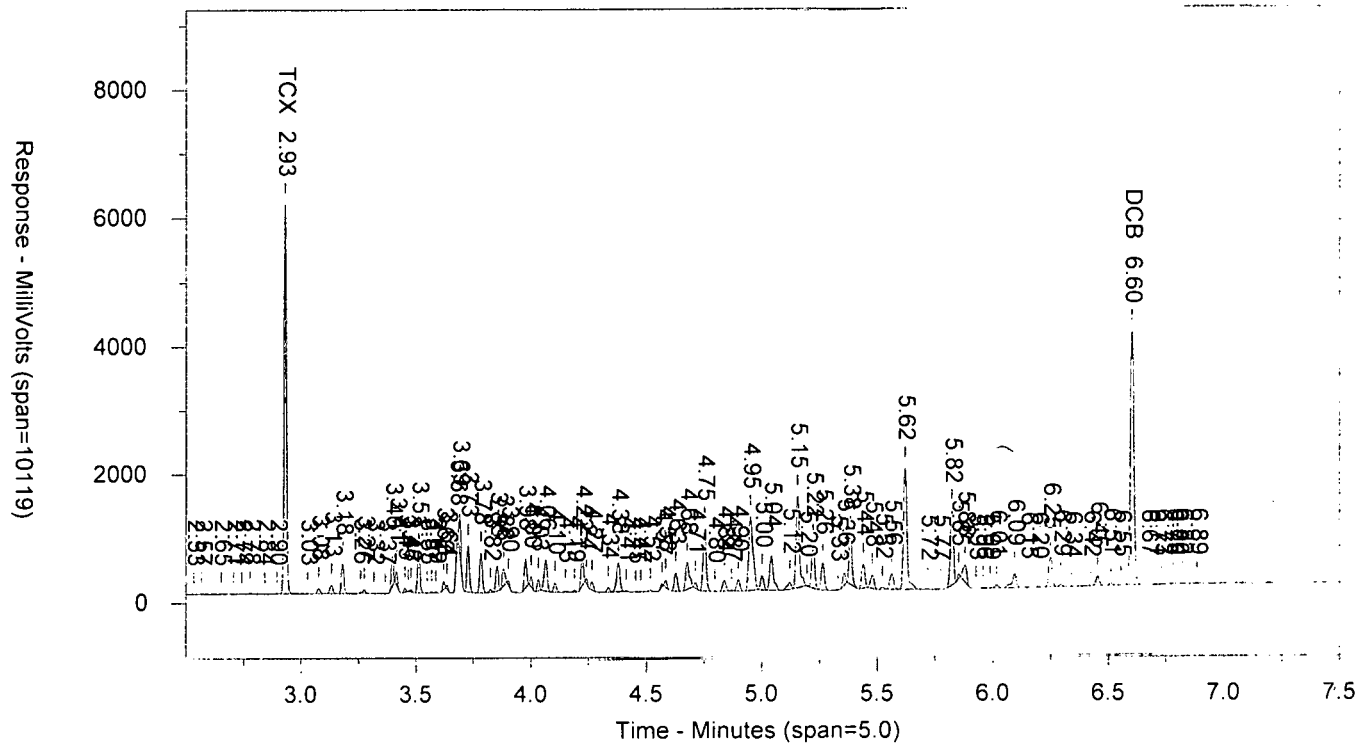

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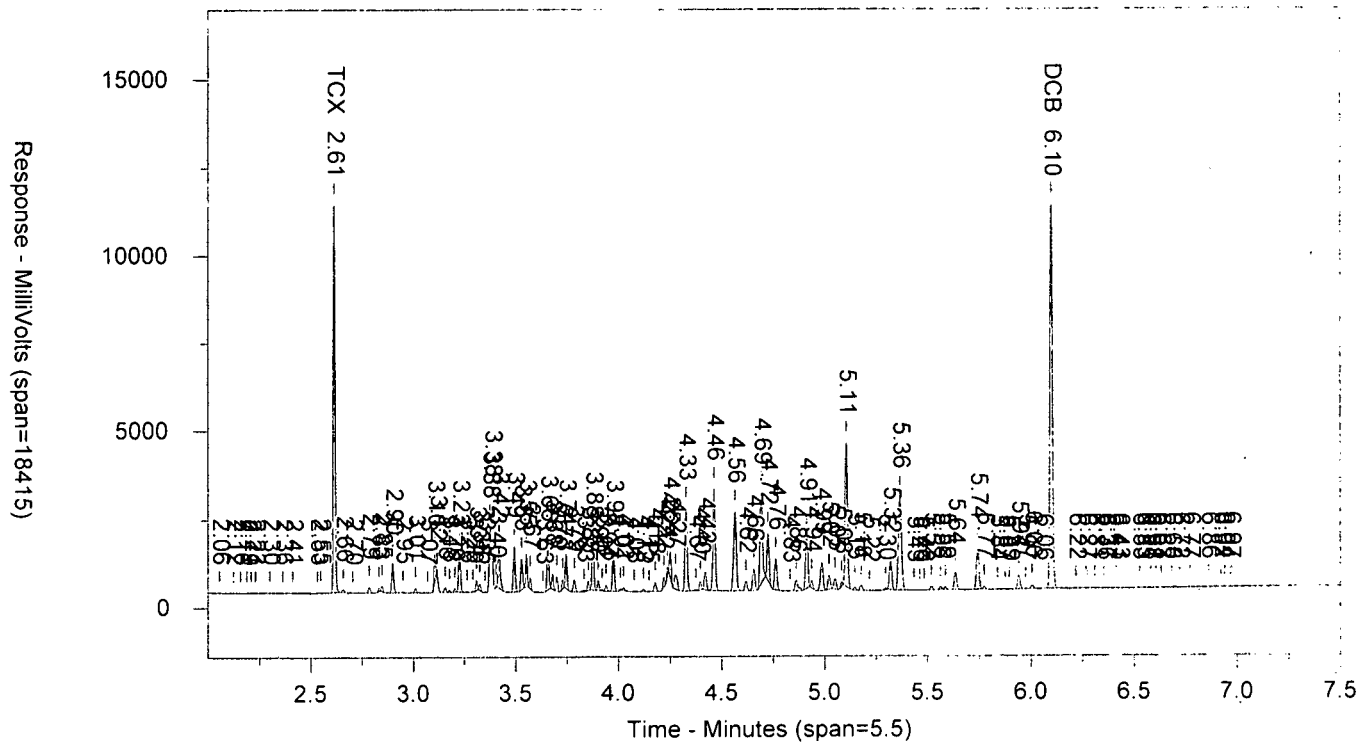

AR1641724B MSAR164MS CCAL 1728799999 10225 SW-846 8082

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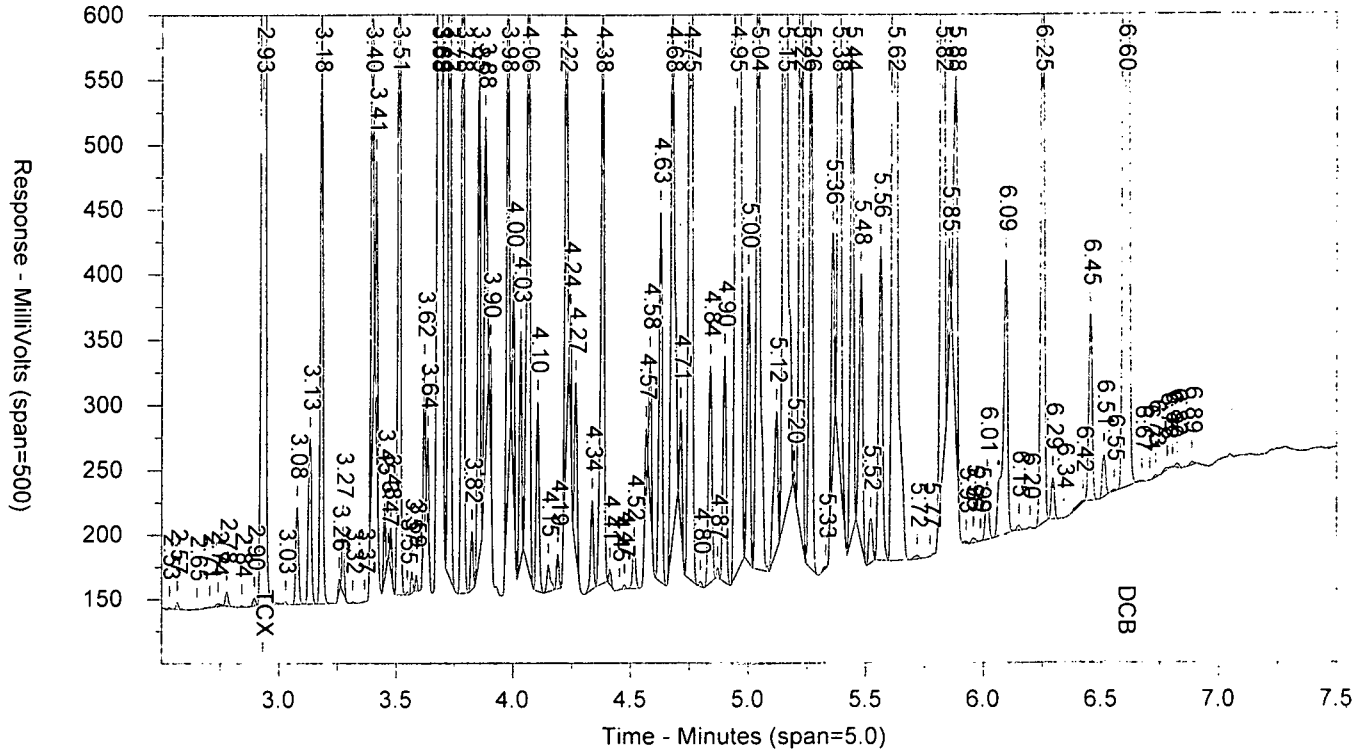

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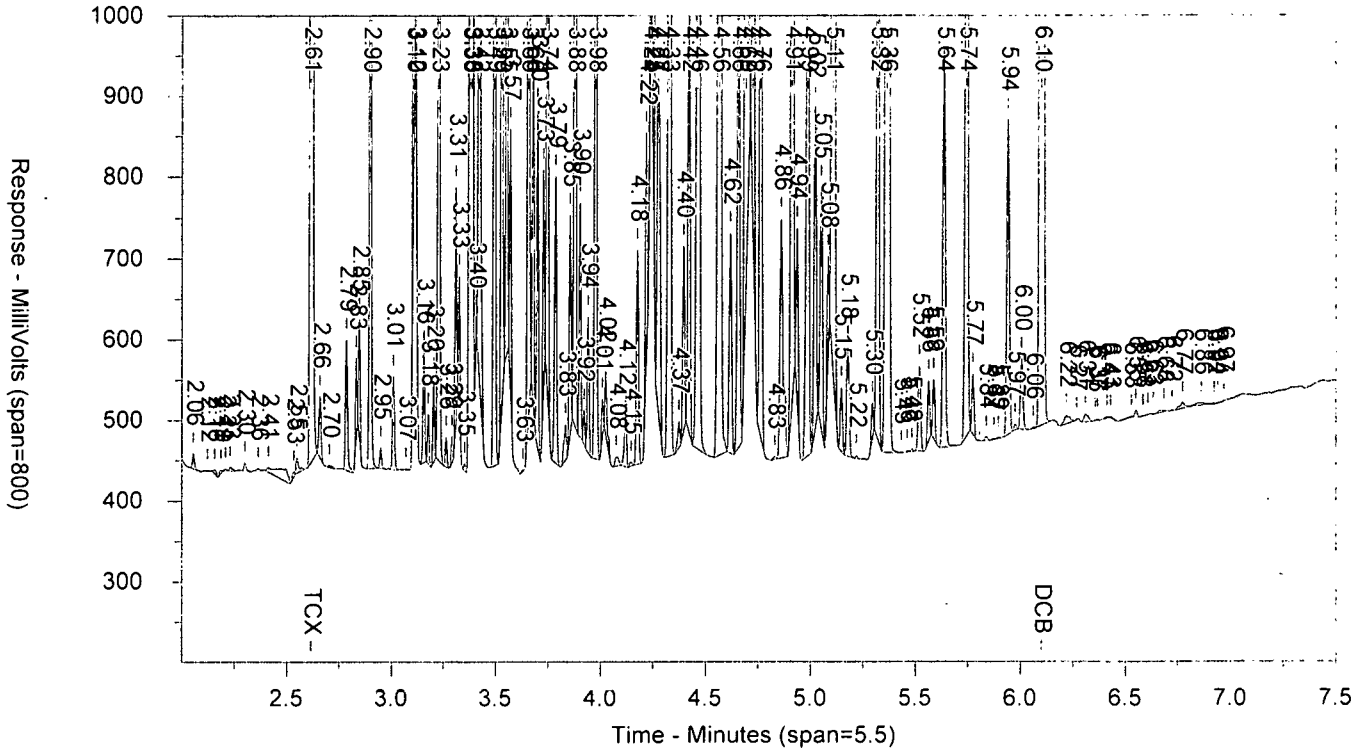

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 1:09:12 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: 25pcbs17284003.101.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.013		390	197
2.035		15682	15115
2.084		9428	20809
2.164		1300	1068
2.203		398	188
2.231		13344	10355
2.331		14521	12866
2.365		2073	2125
2.439		667	556
2.49		10949	11727
2.592		794	545
2.656		748	1092
2.694		210	291
2.713		328	243
2.738		2653	3774
2.778		22488	21014
2.895		8279	7188
2.93	TCX	3034228	2075174
3.024		965	898
3.075		323	263
3.127		37338	25107
3.23		307	231
3.259		14831	13058
3.328		507	455
3.365		359	216
3.383		649	568
3.456		383	422
3.482		838	482
3.503		3003	2068
3.538		1062	838
3.568		9886	6402
3.604		7598	7632
3.674		2463	2309
3.692		2111	1165
3.717		1676	1378
3.775		1633	1714
3.798		1339	1366
3.867		441	627
3.903		404	404
3.929		7950	8543
3.992		499	477
4.023		1018	1008
4.058		403	436
4.166		9131	9769
4.21		898	1167
4.268		11041	15670
4.362		1971	3374
4.458		303	206
4.486		308	94
4.548		899	923
4.611		8818	11364
4.678		398	388
4.707		594	517
4.751		910	1451

RT A	Compound A	Height A	Area A
4.802		434	271
4.836		507	341
4.901		733	1951
4.97		8306	12543
5.031		869	1130
5.085		624	389
5.114		2765	2787
5.155		859	781
5.232		365	807
5.293		462	266
5.323		8555	11546
5.382		1198	1535
5.415		322	142
5.45		549	966
5.473		772	788
5.521		2121	2389
5.592		474	1007
5.617		1202	907
5.646		10086	13699
5.722		1990	2049
5.753		365	147
5.787		1373	1176
5.823		1205	1590
5.906		426	1565
5.96		5685	8480
6.016		16317	16363
6.081		13068	14479
6.123		738	330
6.147		3132	3514
6.206		1491	2148
6.244		4331	5134
6.297		653	1072
6.313		400	165
6.324		900	279
6.348		515	625
6.454		14802	14428
6.51		29020	31295
6.603	DCB	1938909	2039711
6.707		668	216
6.733		1727	2388
6.776		1986	3120
6.827		3656	4233
6.885		5059	13539
6.992		479	966

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 1:09:12 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: 25pcbs17284003B.101.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		9810	6893
2.11		1757	2104
2.158		7329	5972
2.191		4531	6332
2.208		3079	2022
2.232		5548	7723
2.363		2540	2782
2.408		3031	4264
2.494		9153	10067
2.532		7369	7412
2.547		40767	37141
2.615	TCX	5520092	3204298
2.832		79084	49126
2.948		14608	9730
3.061		699	139
3.068		3132	6230
3.12		1656	3408
3.136		417	34
3.144		898	198
3.173		750	278
3.183		3984	2528
3.201		910	404
3.22		933	210
3.229		974	352
3.24		919	302
3.261		662	136
3.269		444	98
3.279		880	384
3.291		20406	10513
3.328		7688	5346
3.351		7237	4650
3.38		7842	8866
3.401		470	79
3.407		454	58
3.413		1011	470
3.451		4509	3079
3.47		704	154
3.476		379	99
3.482		760	174
3.49		1201	511
3.514		755	327
3.528		7319	4037
3.548		508	166
3.561		4689	4170
3.596		3172	4057
3.627		2262	1173
3.636		906	398
3.65		706	183
3.657		480	100
3.668		856	275
3.679		925	160
3.707		1141	1000
3.715		920	253
3.723		613	73

RT B	Compound B	Height B	Area B
3.731		494	168
3.74		630	84
3.752		506	146
3.763		610	244
3.772		701	173
3.799		939	275
3.811		2177	10464
3.893		3387	6143
3.943		22322	19524
4.024		1528	1189
4.076		12672	9449
4.148		8780	14076
4.212		1381	1647
4.232		4455	5823
4.329		1448	2894
4.366		1293	1316
4.394		3143	1948
4.439		4400	9662
4.467		1829	1332
4.489		1333	1501
4.529		1366	521
4.564		962	1002
4.613		2237	3453
4.643		4610	8604
4.706		3760	4120
4.759		2145	2380
4.837		2400	4044
4.91		2093	1370
4.939		3309	4946
5.008		971	1587
5.032		1477	1137
5.054		3028	2286
5.103		2436	1897
5.178		13065	11218
5.219		2426	3214
5.286		5556	5030
5.326		948	558
5.338		4293	4075
5.392		997	2943
5.488		1255	2776
5.519		34019	30166
5.587		30482	29251
5.65		7734	10825
5.69		1287	693
5.701		1348	561
5.736		2840	2976
5.769		1162	697
5.821		974	2118
5.838		4521	3959
5.872		1319	1257
5.94		43025	36182
5.975		4677	3743
6.006		70322	62042
6.099	DCB	5592878	4651961
6.22		10957	27331
6.31		8348	10638
6.371		1570	1698
6.411		2998	3269
6.45		1467	1258
6.521		1079	1113
6.529		1158	359
6.548		4276	3821
6.617		2162	3612
6.664		2778	4967
6.741		1070	304
6.765		749	264

RT B	Compound B	Height B	Area B
6.804		1090	320
6.845		894	2290
6.877		1006	711
6.898		993	354
6.91		1207	1537
6.963		1067	470

IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082

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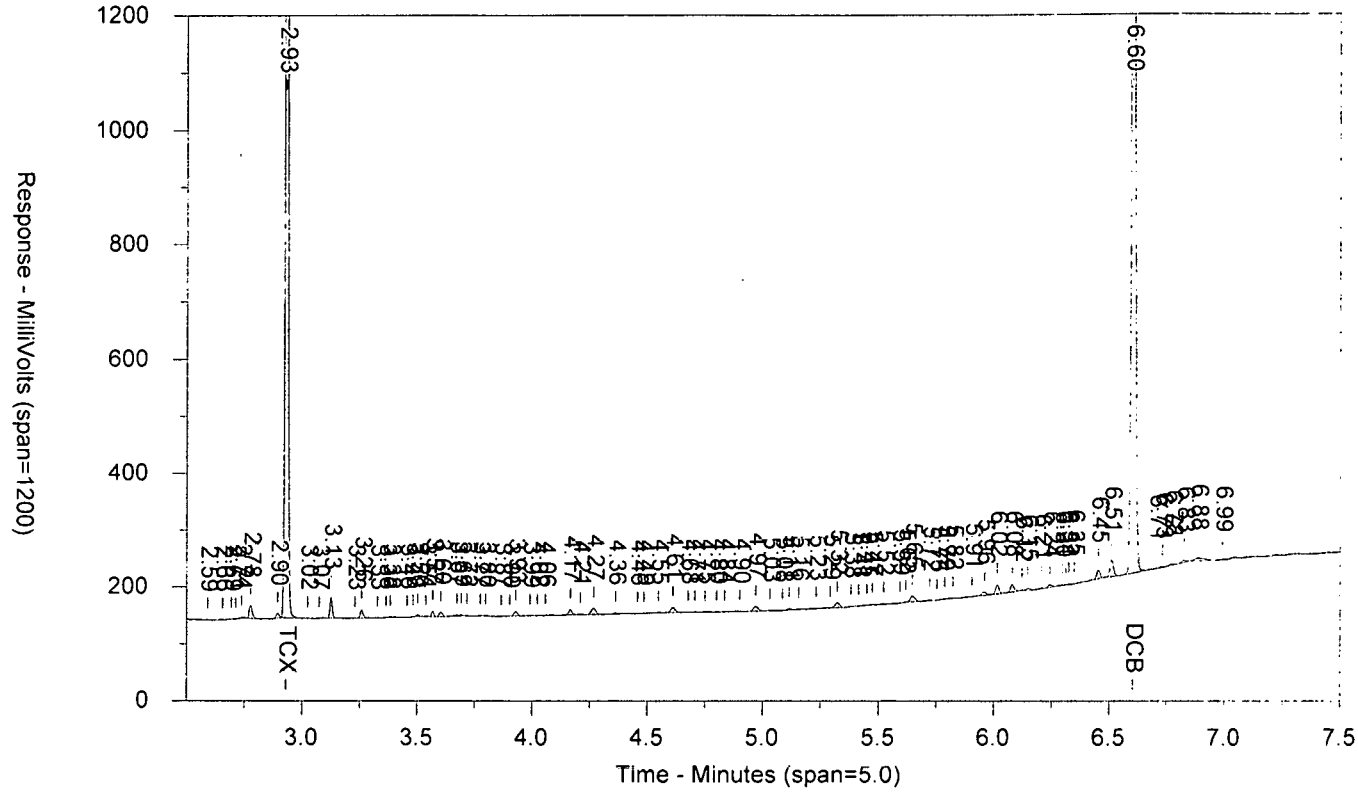

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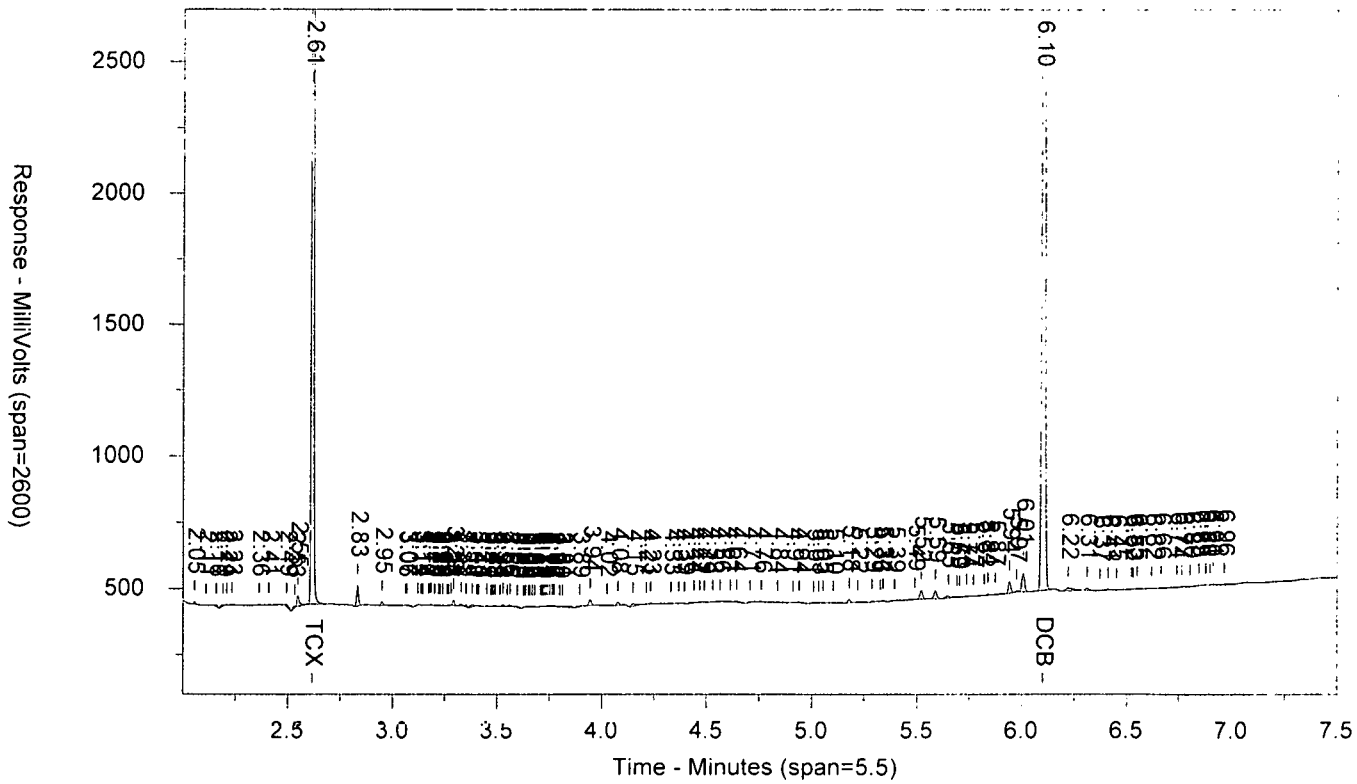

LANCASTER LABORATORIES

Sample Number: IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 1:09:12 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
2.93	3034228	.201	TCX	2.615	5520092	.203	TCX
6.603	1938909	.201	DCB	6.099	5592878	.185	DCB

Files:
Area File: 25pcbs17284003.101.RAW
Area File: 25pcbs17284003B.101.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: 10/16/2017 1:17:42 PM
File Reported On: 10/16/2017 at 1:18:04 PM

IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082

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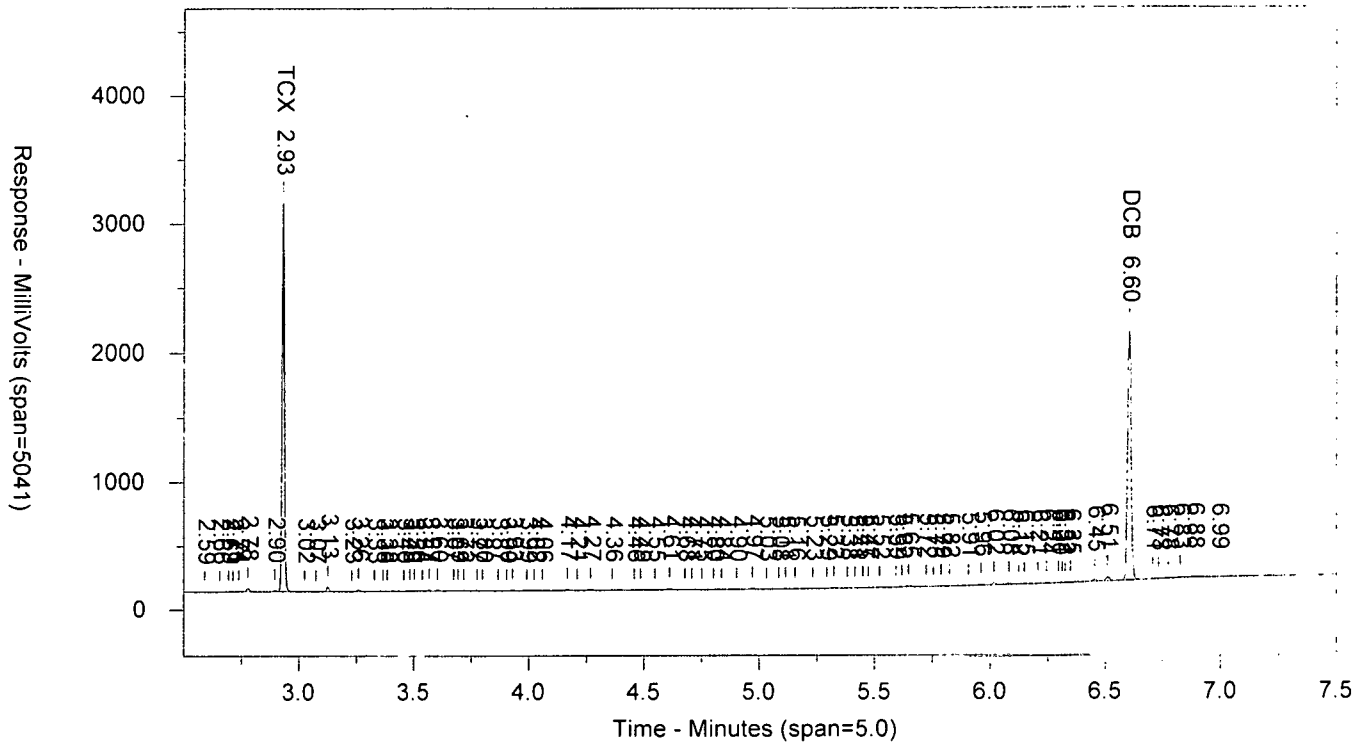

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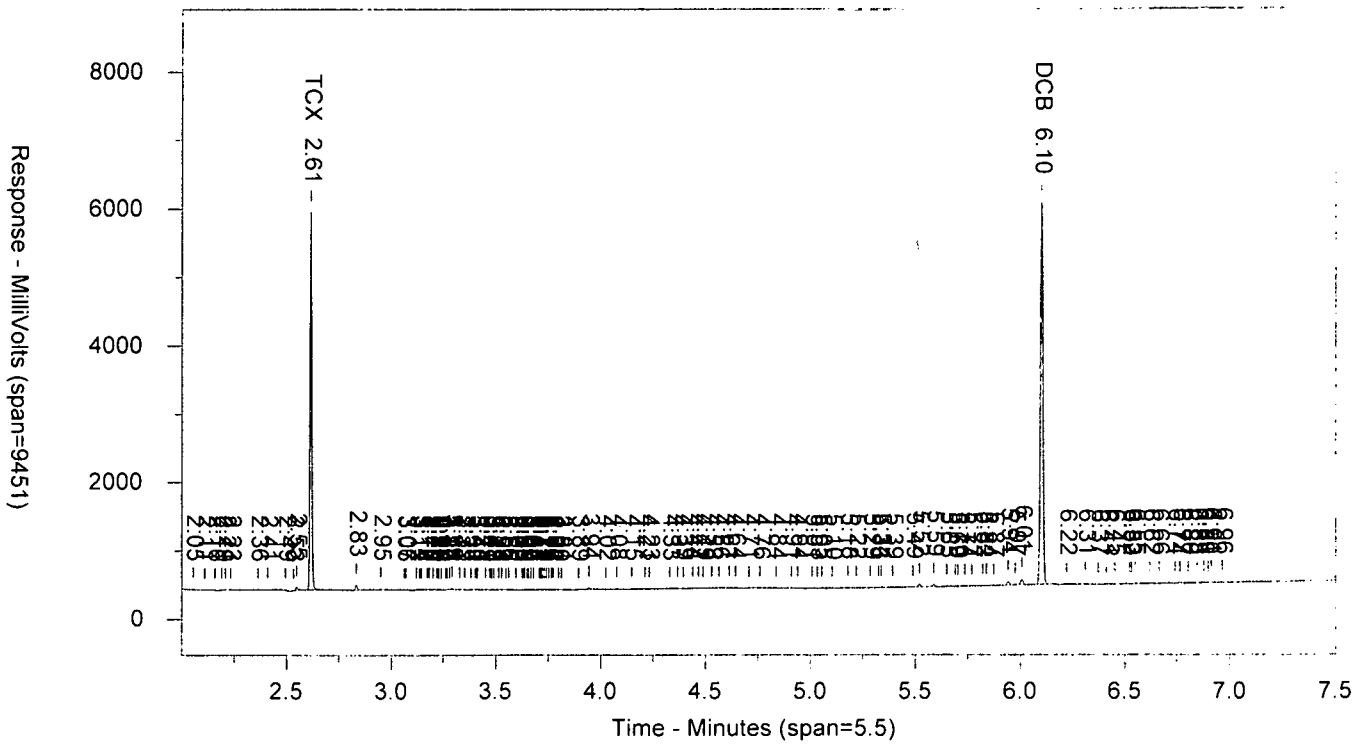

IBLKX1724B UQPIBLKUQ PIBLK1728799999 10225 SW-846 8082

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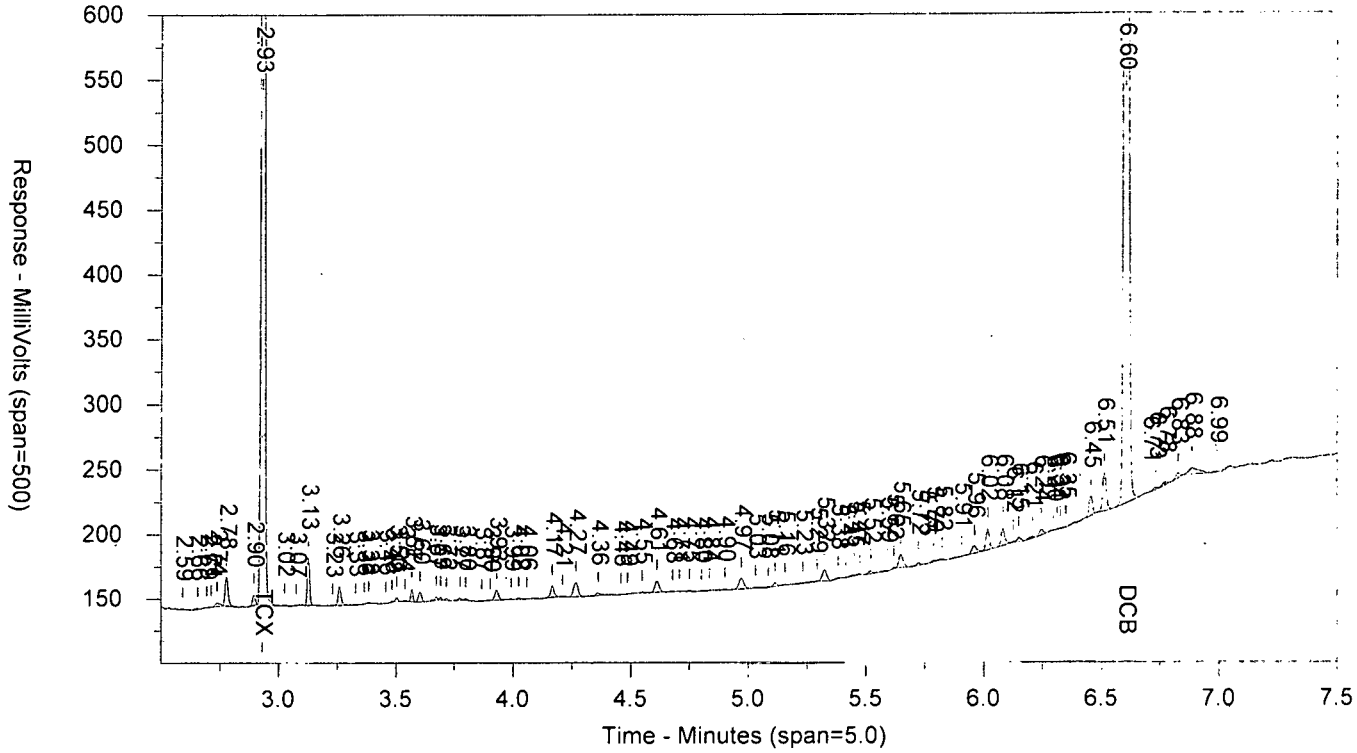

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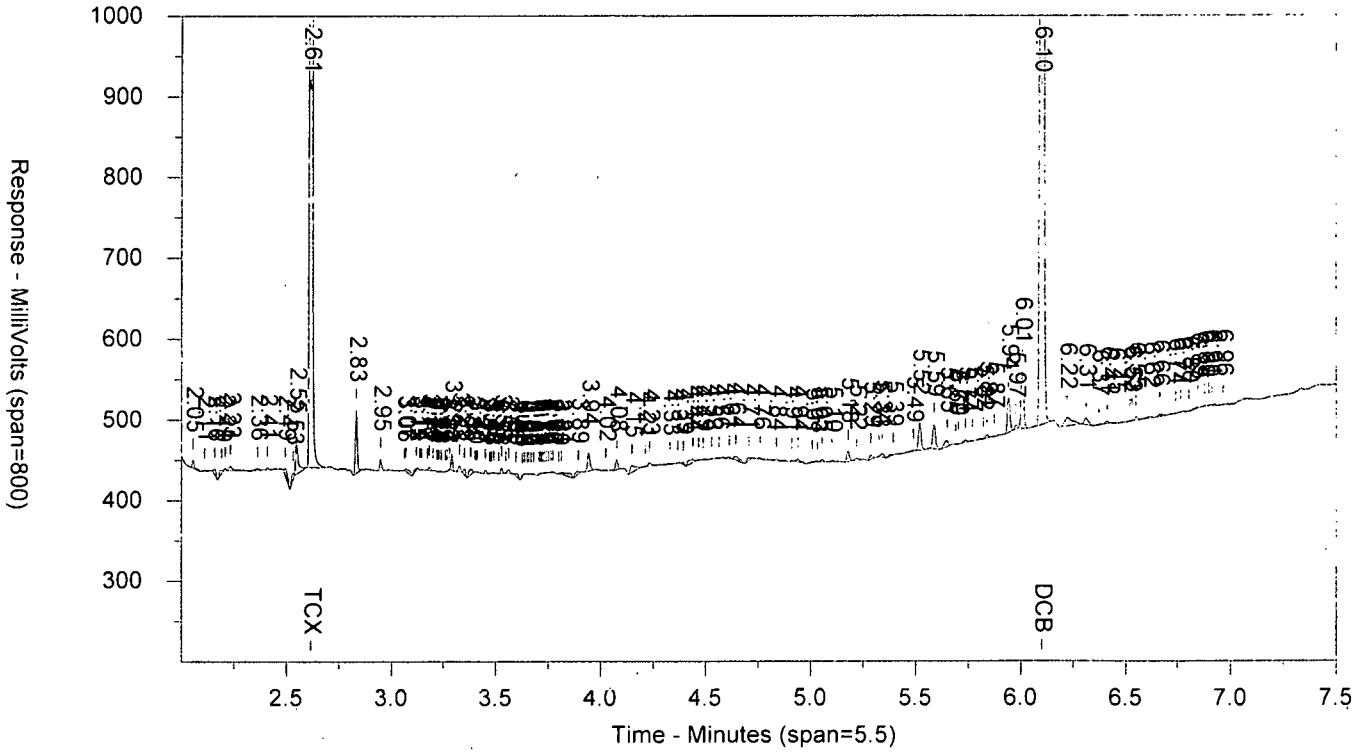

LANCASTER LABORATORIES

Sample Number: AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:34:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.119.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.035		9437	9004
2.085		6466	9742
2.171		1259	1637
2.231		26048	20640
2.331		16132	16500
2.365		2300	2989
2.49		6614	7522
2.533		1606	1509
2.568		5539	3856
2.648		905	897
2.708		678	348
2.744		1699	2327
2.778		12219	10802
2.842		1175	887
2.876		346	300
2.895		4185	3340
2.931	TCX	6099352	4188350
3.028		1862	1956
3.077		78363	67376
3.132		127518	121340
3.181		472758	347302
3.258		9618	4526
3.274		53864	33313
3.316		1440	1292
3.362		598	342
3.396		453496	280013
3.412		213680	115269
3.45		59808	33526
3.465		4046	1454
3.476		33536	17610
3.511		576227	455727
3.548		2464	1226
3.567		13807	8200
3.585		15400	8663
3.62		127211	72749
3.635		63730	31928
3.678		243695	141559
3.689		621219	316354
3.726		696254	545564
3.782		630968	481248
3.824		47426	32766
3.852		401146	296702
3.879		262635	217286
3.9		72646	40233
3.975		441332	324207
3.998		150974	97426
4.03		168162	122567
4.063		484906	467814
4.103		146739	124053
4.149		21269	21276
4.189		26748	19262
4.223		423369	301172
4.24		70491	37114
4.264		132992	103778

RT A	Compound A	Height A	Area A
4.335		69088	58823
4.377		453462	449616
4.411		12789	8977
4.473		4120	3862
4.515		37210	34755
4.565		55358	36197
4.582		110246	79740
4.626		298512	274404
4.676		421143	489509
4.711		96214	66705
4.751		1011777	959882
4.794		5408	4450
4.836		180417	184828
4.869		10600	6807
4.897		190343	180984
4.948		1221096	1572252
5		238008	226885
5.039		593536	661063
5.12		122226	143596
5.152		1563120	1610233
5.194		14594	5946
5.22		727831	689526
5.263		463338	446022
5.357		204142	164643
5.382		788718	709932
5.438		406520	389674
5.477		233559	239704
5.518		42690	45662
5.56		269926	310178
5.618		2163102	2245883
5.709		2502	3317
5.77		519	385
5.822		1250011	1218061
5.851		83205	53769
5.877		288312	320123
5.915		949	785
5.958		2911	3685
6.013		65310	64678
6.091		250372	348113
6.197		1179	1154
6.213		617	200
6.248		535171	550765
6.292		36836	35265
6.364		653	185
6.378		901	553
6.45		165947	175711
6.509		6280	7588
6.599	DCB	4443251	4398653
6.661		1286	1155
6.685		542	207
6.774		16614	48409
6.852		694	294
6.881		3863	7801
6.96		772	302
6.993		748	1214

LANCASTER LABORATORIES

Sample Number: AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:34:03 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.119.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		19904	12802
2.189		3964	4062
2.232		4592	4846
2.3		11700	8449
2.36		2973	4221
2.408		3118	2750
2.547		22081	23736
2.615	TCX	11464340	6433309
2.658		76917	55772
2.703		3289	4701
2.785		168140	115065
2.832		97778	47802
2.846		151423	77017
2.898		846039	533229
2.948		27603	15511
3.009		119100	73475
3.068		951	520
3.085		917	326
3.105		714646	351566
3.116		248533	96085
3.156		136990	85127
3.178		62270	34791
3.203		100632	56705
3.227		1089786	712693
3.263		39643	22277
3.291		29300	14211
3.31		289267	153561
3.325		171933	83522
3.351		4562	2272
3.375		727952	312805
3.385		1375419	556520
3.405		51716	19341
3.419		1199062	789336
3.493		1322639	808692
3.528		901417	546657
3.551		936775	529097
3.569		320380	161796
3.626		1486	723
3.655		1136506	740507
3.677		444222	241962
3.698		398422	235594
3.727		259725	133863
3.744		958908	581198
3.784		353567	248333
3.832		47819	38625
3.854		269044	159875
3.876		1236225	816740
3.901		282608	166757
3.92		43866	20561
3.94		161840	103826
3.975		1041143	716858
4.008		47570	26756
4.023		77799	49707
4.076		12430	15846

RT B	Compound B	Height B	Area B
4.118		73195	62227
4.15		4304	4232
4.175		260144	187527
4.217		285515	172732
4.236		243741	122931
4.249		755837	399840
4.273		416086	420770
4.326		2420054	1804859
4.374		31887	24980
4.395		233273	151867
4.419		517412	387180
4.462		2980753	2238240
4.564		2284436	2145866
4.616		284063	228863
4.655		627402	537591
4.691		2785312	2281661
4.723		1446126	997891
4.762		1011227	758077
4.832		3234	3481
4.86		288893	206481
4.878		38869	20048
4.911		1847924	1396877
4.935		226706	148074
4.984		878325	798656
5.02		451881	357443
5.05		344093	281592
5.083		137119	80117
5.104		4528257	3609780
5.145		90504	67890
5.177		173250	146309
5.218		1986	1147
5.253		2483	2082
5.295		52191	32247
5.318		931312	744747
5.363		3085480	3250248
5.463		1625	852
5.483		2442	1513
5.519		138271	119522
5.563		83199	60321
5.586		107481	81409
5.635		600514	494869
5.741		1456439	1184668
5.773		87131	66063
5.841		1785	2747
5.872		1459	1486
5.894		1617	859
5.94		483915	410870
5.973		2649	1764
6.003		10501	9822
6.039		1080	766
6.05		1245	385
6.098	DCB	13419650	11395240
6.215		8704	18052
6.273		4851	4567
6.309		4849	4739
6.345		1205	963
6.39		800	399
6.404		2230	1960
6.461		1226	384
6.488		1284	1024
6.496		1267	359
6.548		12406	10757
6.621		1559	2565
6.642		781	426
6.667		2542	3965
6.721		2827	2613

RT B	Compound B	Height B	Area B
6.771		4372	4200
6.825		1398	865
6.876		1207	1084
6.922		1926	3225
6.955		1254	744

AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082

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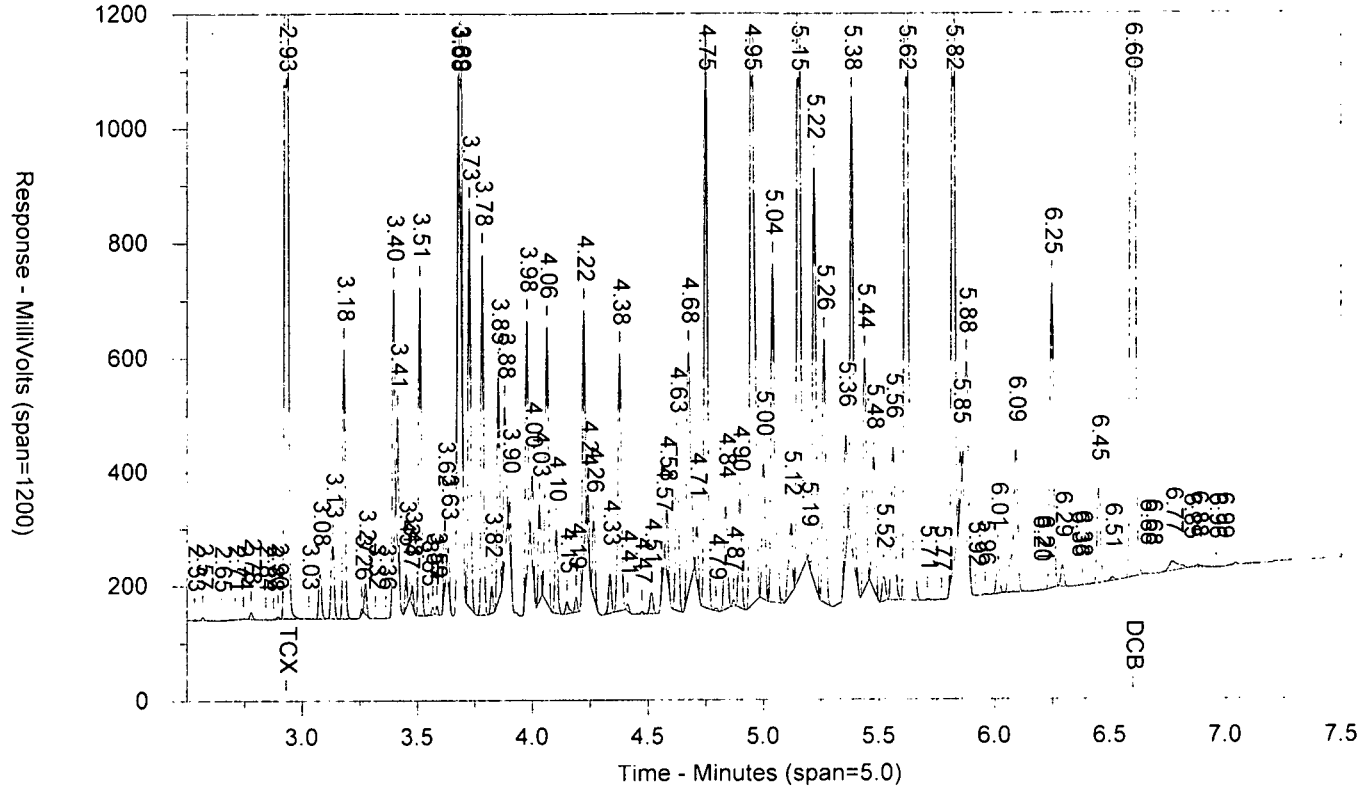

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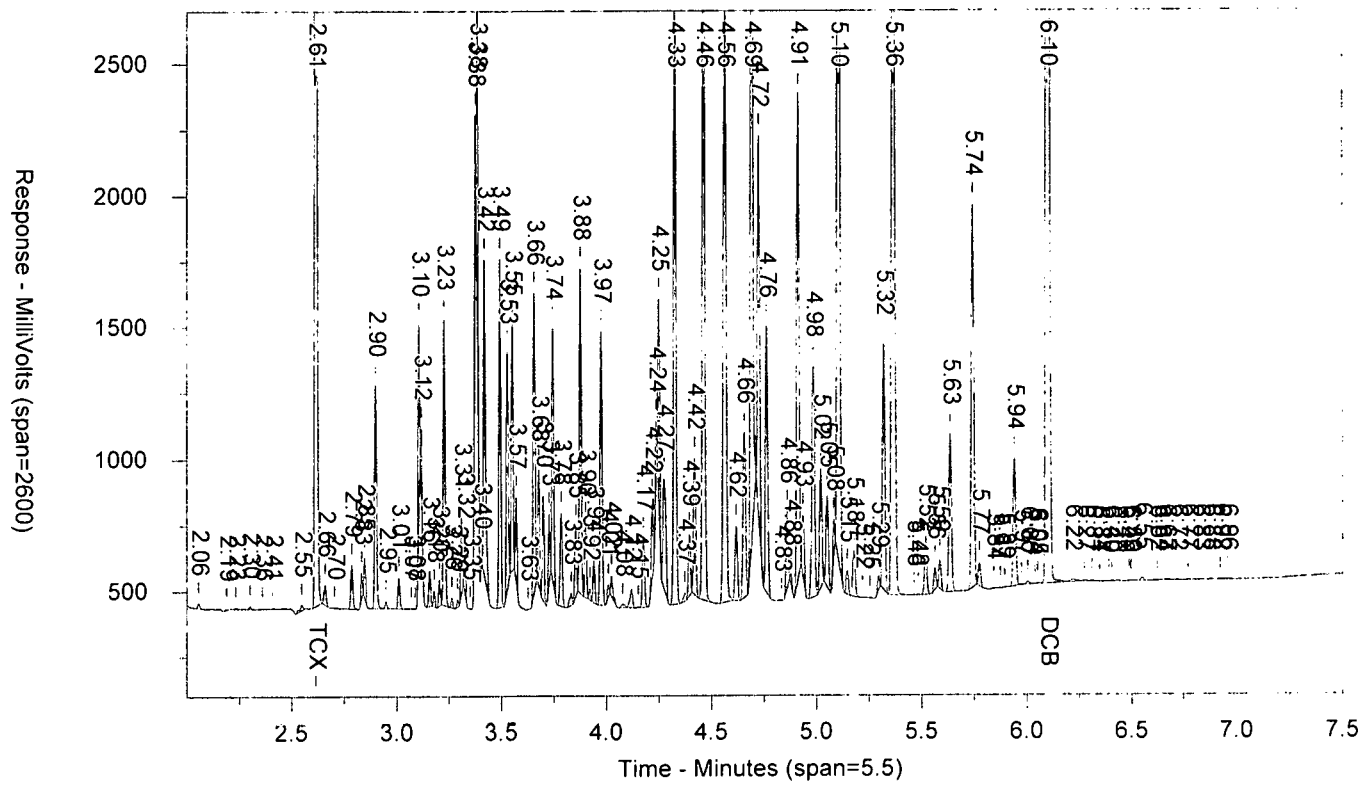

LANCASTER LABORATORIES

Sample Number: AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:34:03 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.931	6099352	40.428	TCX	2.615	11464340	42.081	TCX
6.599	4443251	46.096	DCB	6.098	13419650	44.328	DCB

Files:
Area File: 25pcbs17284003.119.RAW
Area File: 25pcbs17284003B.119.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: 10/16/2017 4:42:34 PM
File Reported On: 10/16/2017 at 4:42:45 PM

AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082

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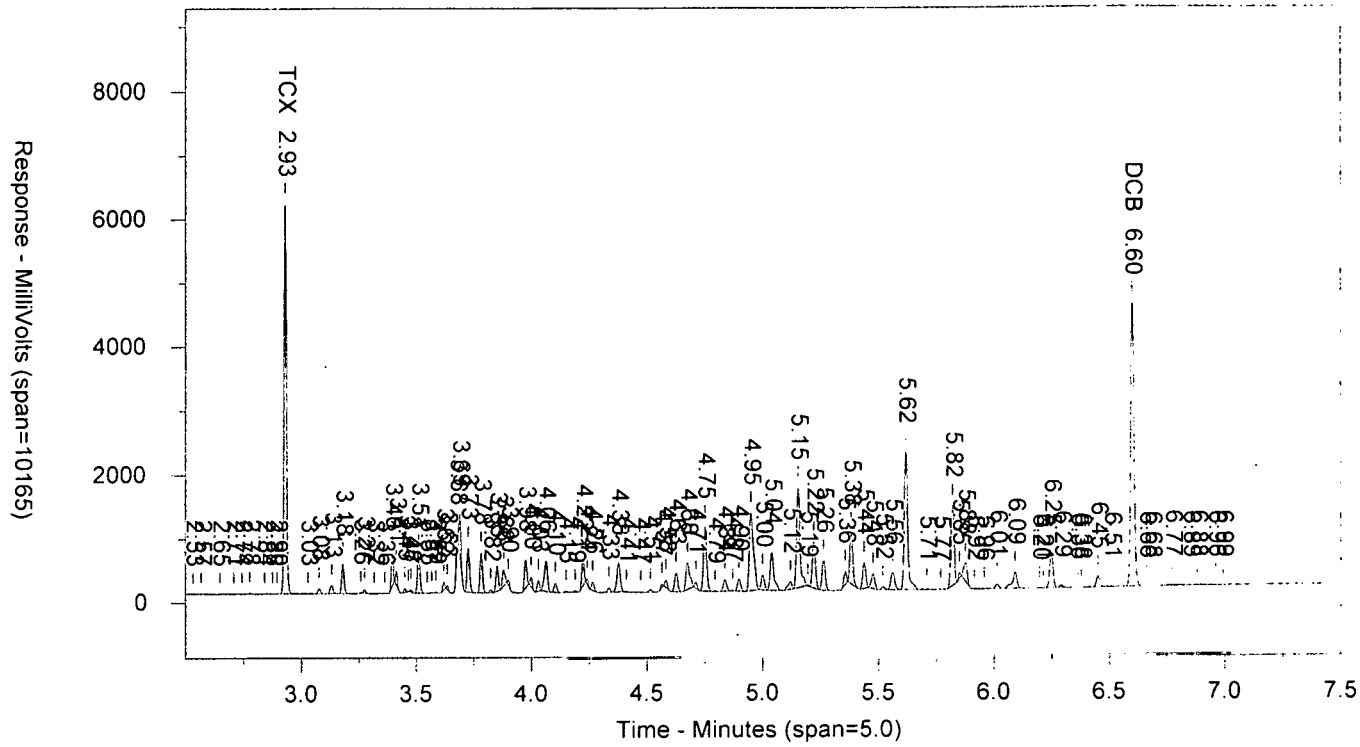

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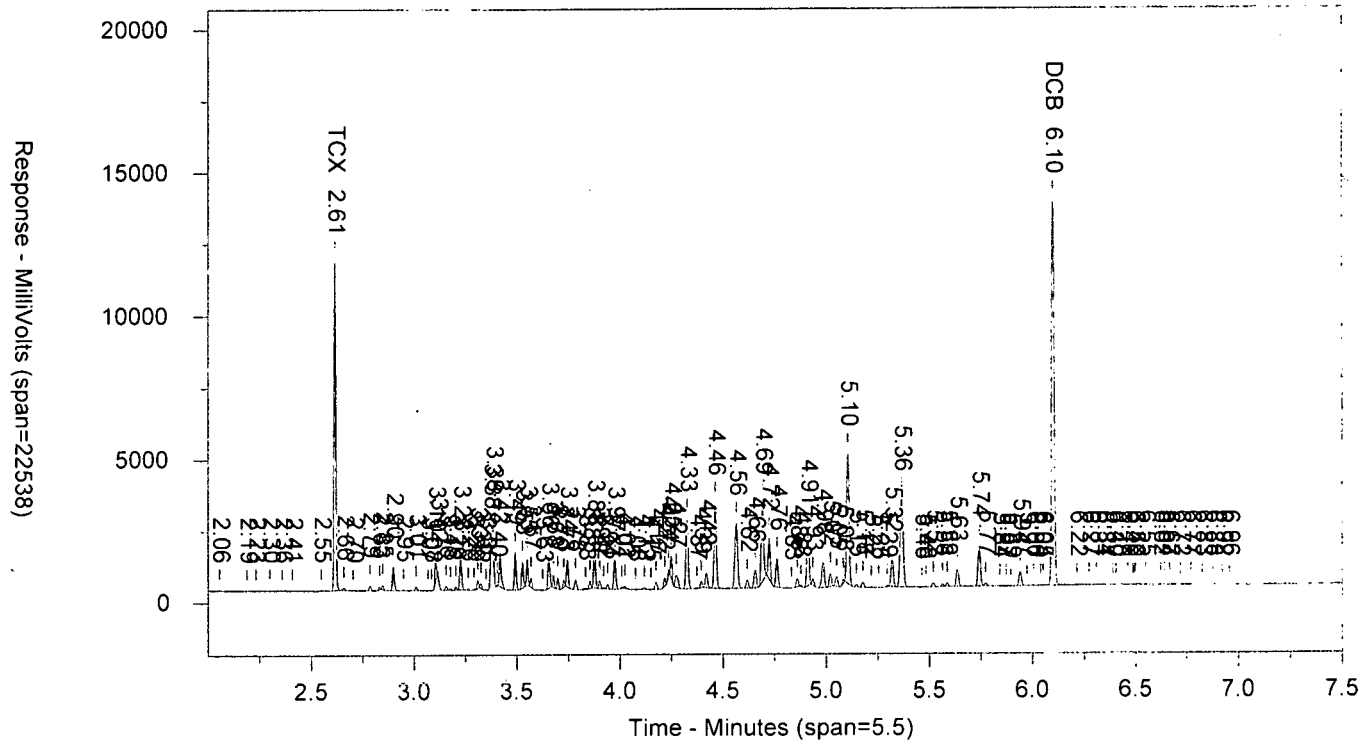

AR1641724B MTAR164MT CCAL 1728799999 10225 SW-846 8082

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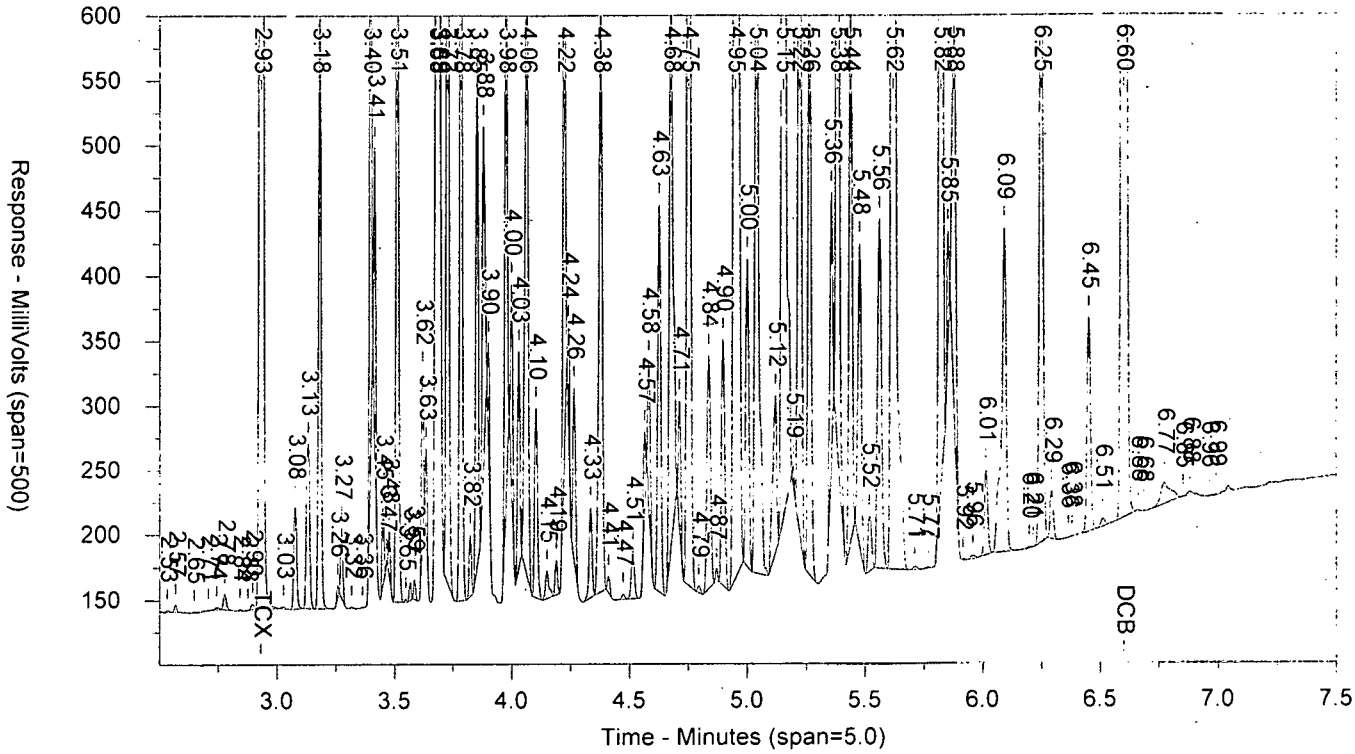

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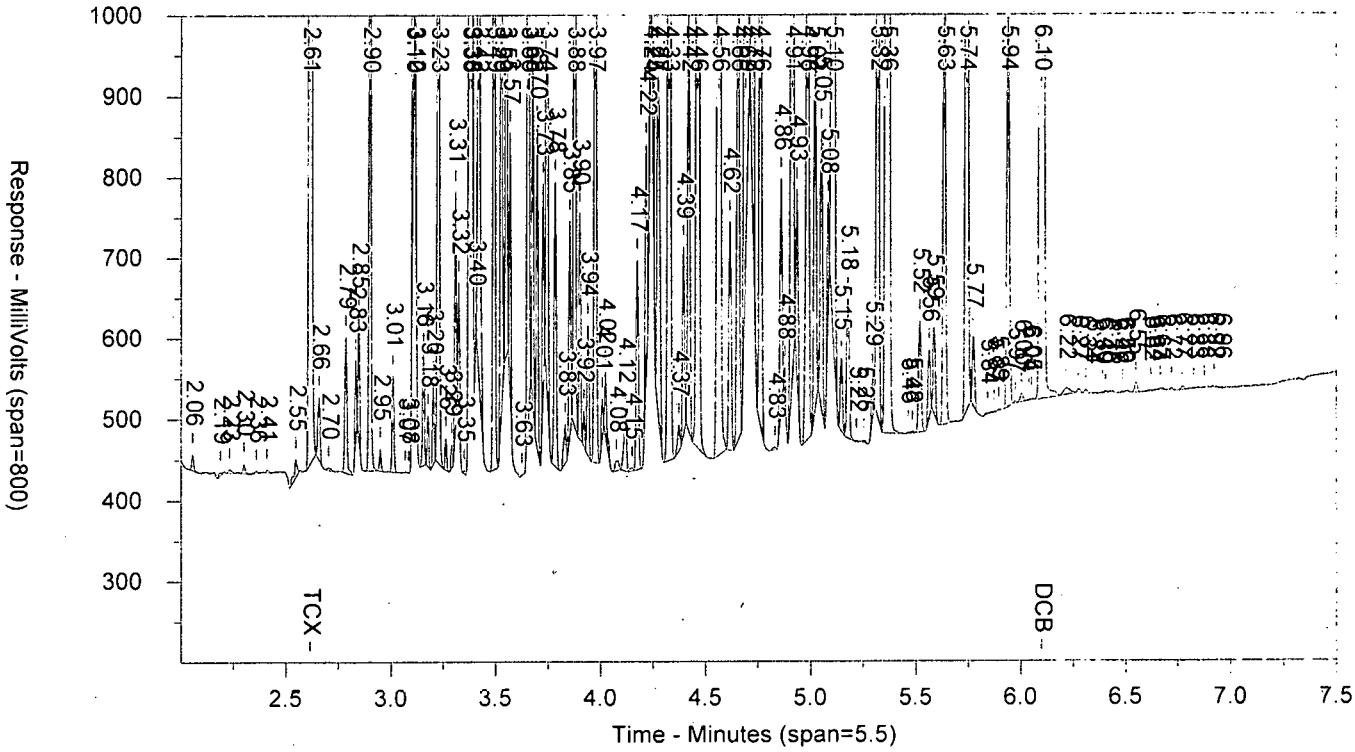

LANCASTER LABORATORIES

Sample Number: IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:45:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17284003.120.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.013		520	206
2.036		26702	29198
2.086		6984	10231
2.167		2153	2196
2.231		13090	9457
2.302		433	340
2.33		15334	13403
2.365		2732	3828
2.49		20534	22721
2.535		1431	1212
2.558		597	452
2.59		940	574
2.653		683	675
2.691		553	434
2.742		2330	3154
2.778		12885	11268
2.873		479	237
2.896		15962	14607
2.93	TCX	3104204	2119401
3.026		1222	1165
3.073		650	572
3.092		781	657
3.126		38016	25867
3.178		567	441
3.227		469	160
3.258		22484	21197
3.323		552	545
3.384		1537	3102
3.439		391	324
3.502		3124	3019
3.538		834	746
3.567		7756	5164
3.602		14958	15212
3.657		785	443
3.673		1625	864
3.689		2454	1330
3.715		2172	2216
3.752		466	170
3.774		1663	2715
3.893		521	256
3.927		14198	16069
3.983		905	1083
4.022		1153	1430
4.053		593	401
4.165		8475	9204
4.207		1048	1065
4.262		16181	22860
4.34		304	201
4.359		2267	3375
4.409		462	253
4.466		363	479
4.509		866	986
4.545		609	411
4.609		14333	20281

RT A	Compound A	Height A	Area A
4.677		853	1149
4.707		793	617
4.747		1176	1297
4.799		407	157
4.841		892	1047
4.872		2025	1588
4.967		15274	25240
5.031		1878	2311
5.091		223	259
5.112		5051	4719
5.153		2654	3044
5.219		823	827
5.264		661	646
5.323		13711	19759
5.358		731	376
5.382		1533	1275
5.443		1340	1792
5.476		1123	822
5.515		4461	4519
5.618		1316	1054
5.644		19630	25917
5.721		2195	2549
5.764		441	385
5.793		586	195
5.822		2752	2822
5.88		704	1665
5.901		530	197
5.956		12036	17173
6.013		23991	24064
6.076		23535	26967
6.142		544	488
6.155		1405	1220
6.241		10858	21253
6.281		1482	1587
6.313		604	316
6.339		418	60
6.387		553	1054
6.421		727	589
6.449		19771	21137
6.507		11163	14172
6.597	DCB	2181673	2289965
6.766		5210	8984
6.829		1056	1830
6.877		3815	9127
6.972		696	620

LANCASTER LABORATORIES

Sample Number: IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:45:15 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17284003B.120.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.055		9494	6745
2.158		8676	7040
2.191		4924	6641
2.206		2812	1943
2.234		5154	4892
2.366		3327	4256
2.412		3279	3814
2.52		4565	3867
2.548		22473	18862
2.593		1729	768
2.615	TCX	5570903	3271664
2.702		3636	5316
2.832		84002	57155
2.948		15110	9453
3.049		1369	716
3.07		1955	1039
3.077		2255	4141
3.117		1549	3498
3.122		719	157
3.143		798	153
3.151		701	143
3.158		505	85
3.17		729	171
3.182		3179	1885
3.197		371	65
3.203		784	699
3.233		729	589
3.249		935	211
3.268		581	120
3.291		17630	11578
3.312		561	139
3.326		5630	3636
3.344		491	76
3.381		11061	16135
3.404		865	146
3.431		518	90
3.45		4230	2612
3.472		636	109
3.484		1351	665
3.514		937	174
3.526		6993	4141
3.557		5200	5001
3.597		4665	4104
3.64		2068	6405
3.653		1327	1051
3.675		631	115
3.708		1863	1790
3.718		803	106
3.723		712	171
3.734		679	175
3.752		633	77
3.763		1049	321
3.769		735	174
3.814		1871	2938

RT B	Compound B	Height B	Area B
3.88		5354	4496
3.94		21223	17682
3.979		1236	980
4.003		1169	591
4.049		1213	843
4.073		11454	9680
4.15		6569	9134
4.207		1275	2029
4.232		5036	5739
4.305		668	242
4.324		2500	1781
4.381		5499	8422
4.42		3082	3798
4.436		4534	2896
4.463		2274	1845
4.539		742	842
4.56		2685	2130
4.616		2392	1987
4.639		3097	1975
4.663		9139	8723
4.708		2396	4134
4.738		955	254
4.76		1942	1655
4.81		941	448
4.835		3438	2821
4.913		3531	6058
5.004		3017	4844
5.022		1485	877
5.052		7752	6498
5.104		5176	4771
5.152		915	1259
5.176		21092	18366
5.228		1142	438
5.29		6905	7272
5.316		2070	1087
5.336		8534	10931
5.396		835	9019
5.425		797	206
5.468		1569	1816
5.518		55670	55798
5.586		53771	58844
5.633		9414	8956
5.68		2296	3268
5.708		504	444
5.74		2000	2053
5.769		1087	518
5.797		4813	5793
5.851		1098	6286
5.893		1788	2086
5.939		57633	48637
5.975		1443	1292
6.004		10786	10423
6.047		1814	1158
6.097	DCB	7094194	6012248
6.216		6033	9042
6.278		1433	1412
6.306		3496	4847
6.391		1115	564
6.407		2096	1490
6.464		1137	431
6.502		1917	2169
6.547		8627	9572
6.616		1141	925
6.659		2309	2895
6.72		1559	1532
6.772		1844	3135

RT B	Compound B	Height B	Area B
6.873		1094	1126
6.912		1002	1591

IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082

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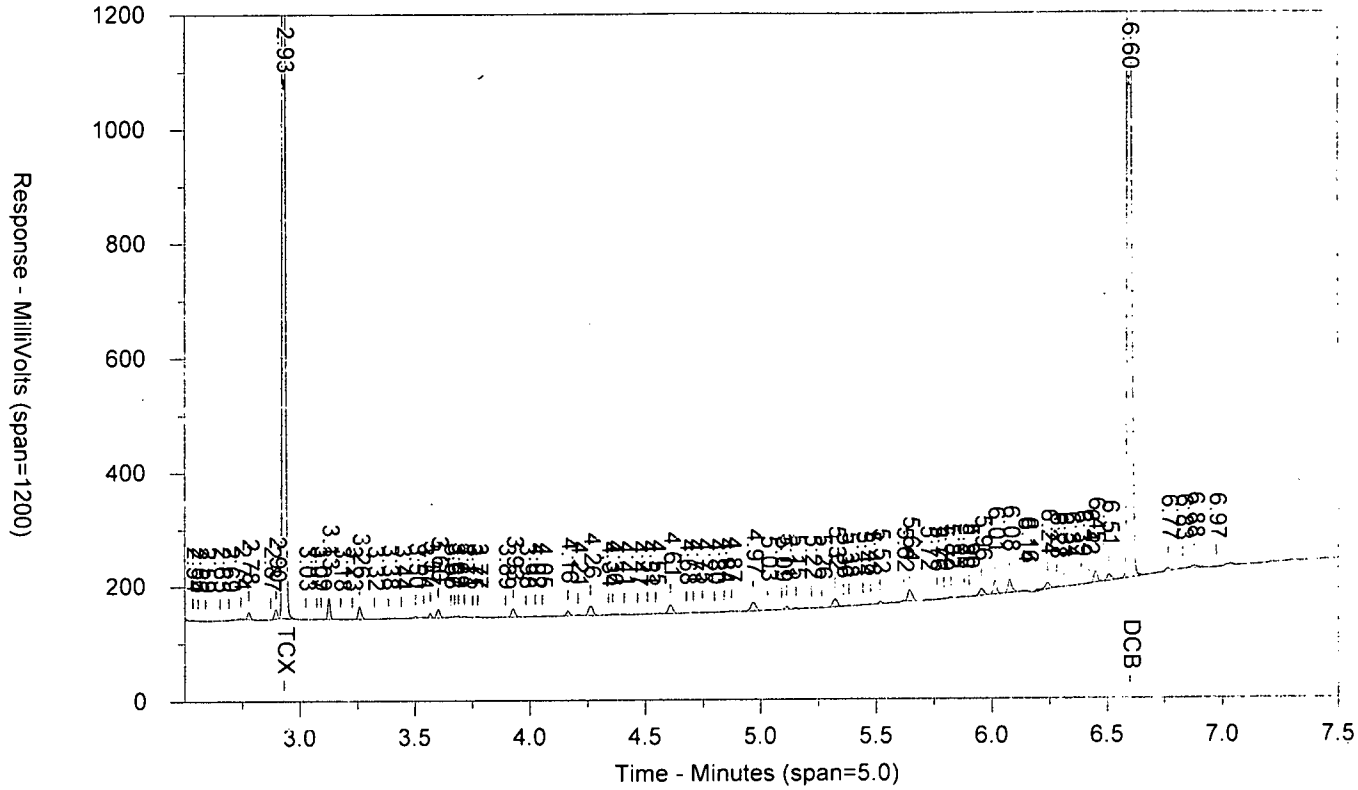

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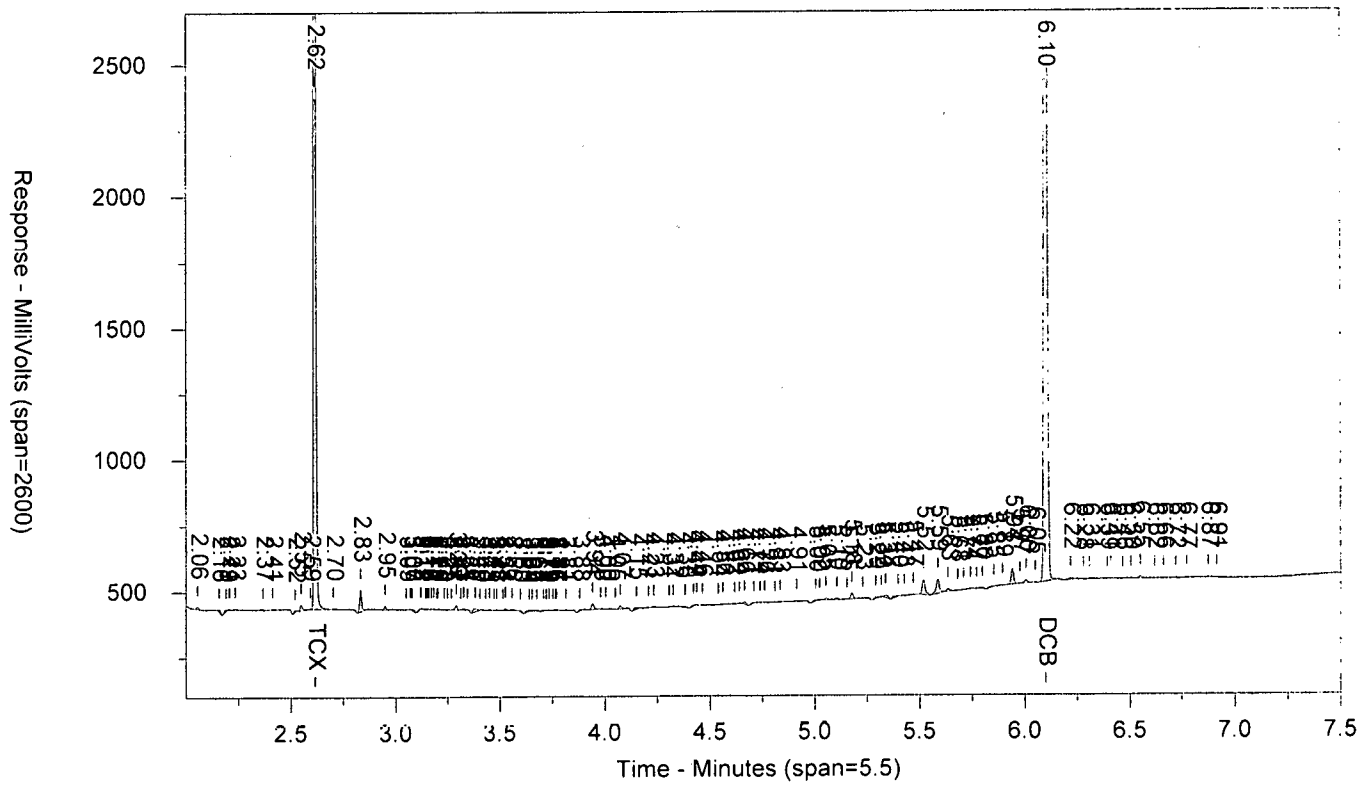

LANCASTER LABORATORIES

Sample Number: IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082
Injected On: 10/16/2017 4:45:15 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
2.93	3104204	.206	TCX	2.615	5570903	.204	TCX
6.597	2181673	.226	DCB	6.097	7094194	.234	DCB

Files:
Area File: 25pcbs17284003.120.RAW
Area File: 25pcbs17284003B.120.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: 10/16/2017 4:53:44 PM
File Reported On: 10/16/2017 at 4:53:59 PM

IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082

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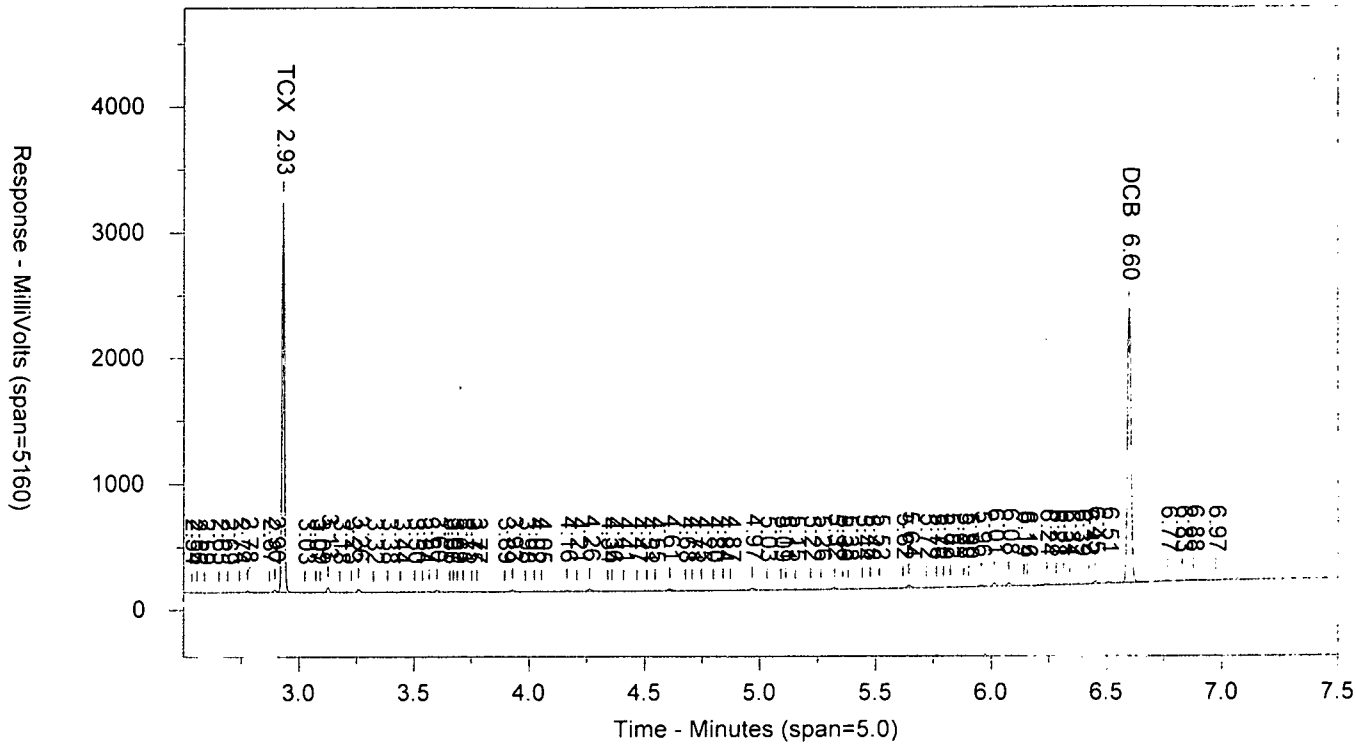

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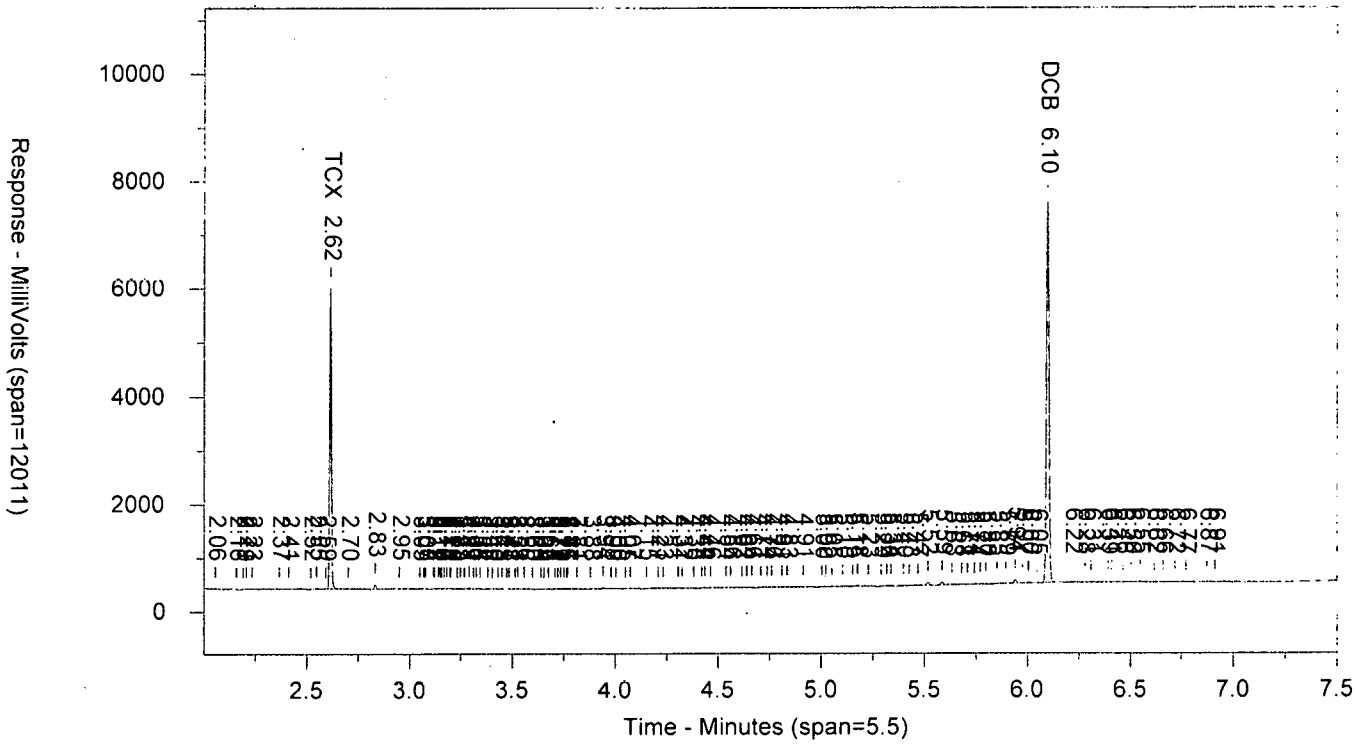

IBLKX1724B URPIBLKUR PIBLK1728799999 10225 SW-846 8082

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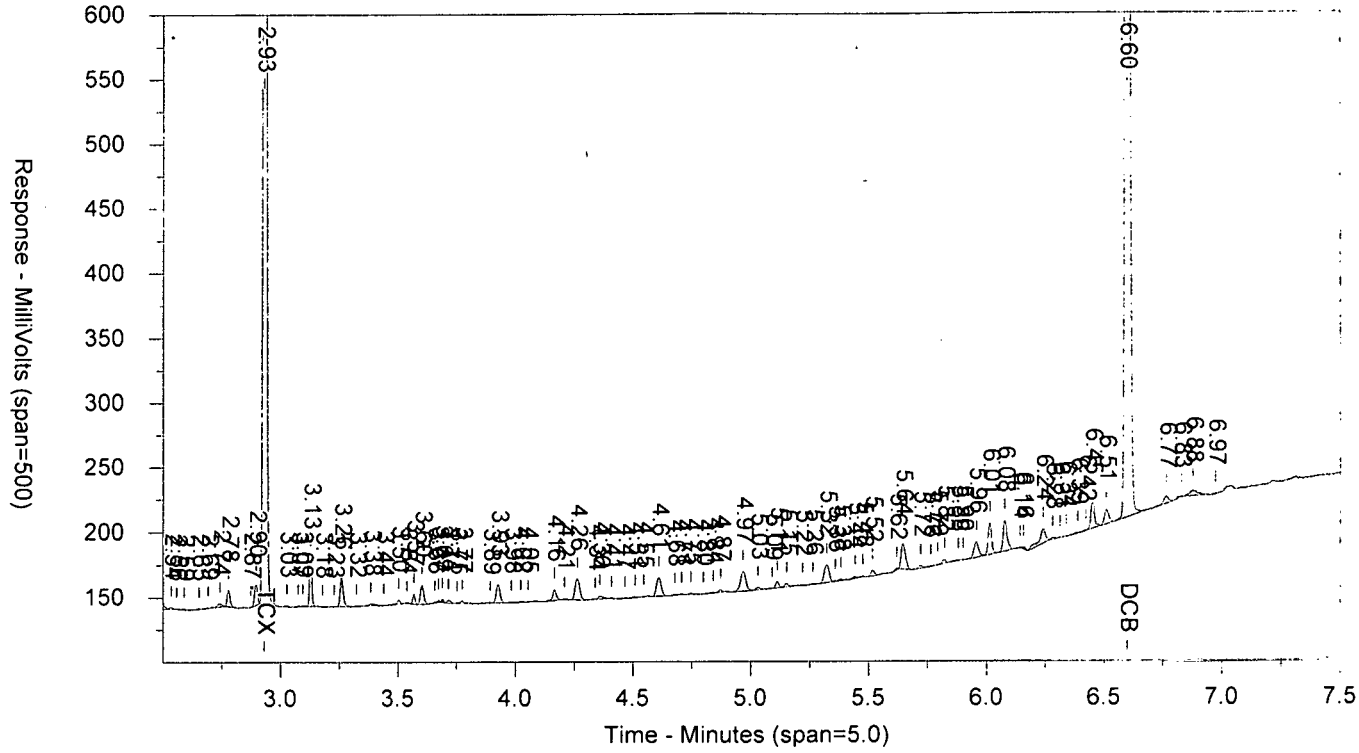

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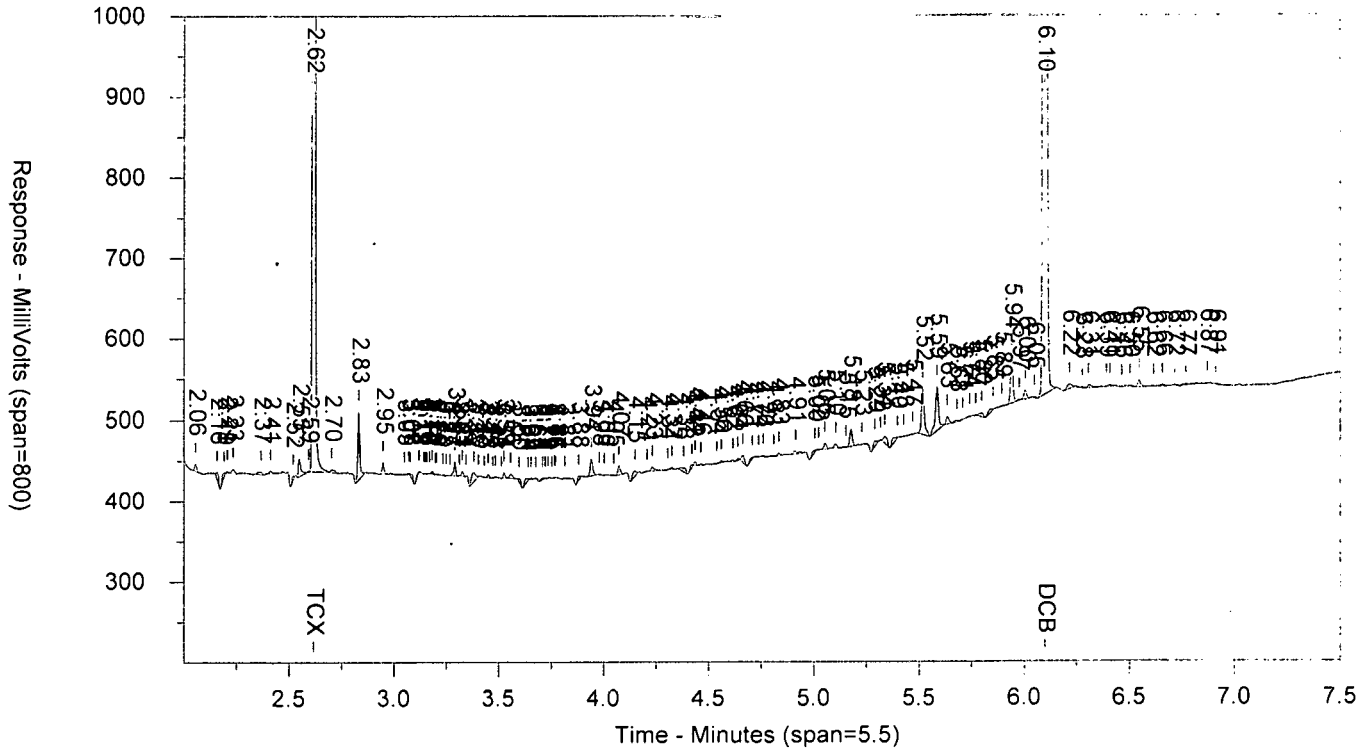

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 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: 07PCBS17284001.0045.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.582		31664	30892
1.607		22981	31234
1.645		5098	14120
1.778		1635	1379
2.089		24194	92649
2.175		4508	7968
2.234		52629	37446
2.282		2153	1031
2.333		15604	8311
2.499		17166	21345
2.543		12772	11857
2.574		11765	9831
2.785		35161	35780
2.863		12534	18804
2.898		8288	6891
2.936	TCX	10997100	7115207
3.036		4360	2124
3.085		145482	124863
3.14		238567	227534
3.188		915854	647327
3.264		24204	14119
3.281		113811	71451
3.402		962175	575846
3.418		492102	261822
3.455		119361	68592
3.471		16949	5854
3.482		83482	42045
3.515		1154171	836196
3.551		5100	2491
3.571		56133	33260
3.591		33977	19109
3.624		289864	158197
3.639		148309	73920
3.681		675569	347007
3.692		1176790	563602
3.729		1419056	1033970
3.788		1193675	900998
3.829		99267	69363
3.857		863917	608239
3.883		614792	491064
3.905		181683	92531
3.979		941871	659627
4.003		350050	230943
4.034		380013	269037
4.068		1024485	957512
4.107		317544	255070
4.154		48103	40878
4.193		63119	45627
4.227		908082	666988
4.246		236846	128784
4.269		295376	225928
4.339		158631	133591
4.382		1011869	953461

RT A	Compound A	Height A	Area A
4.415		29985	19239
4.476		8188	6090
4.52		68364	59577
4.57		127401	81430
4.587		254256	173385
4.631		617744	560777
4.68		953843	1072188
4.717		228634	156703
4.756		1942770	1830583
4.801		6576	4019
4.842		301643	318587
4.873		16098	9398
4.902		348128	319544
4.954		1979144	2455260
5.005		404665	370660
5.046		912050	1012200
5.088		6604	2753
5.126		184843	224962
5.159		2407425	2169514
5.182		97663	52018
5.2		27126	11466
5.226		1421065	1308234
5.269		904236	846639
5.363		333397	273257
5.388		1281260	1141257
5.445		676553	638058
5.484		425205	416424
5.526		77287	78597
5.567		530341	587534
5.625		4061724	4331772
5.786		105430	195810
5.829		2453599	2293152
5.86		179254	111564
5.884		589705	664280
5.966		2073	1011
6.02		78808	70033
6.098		401996	637636
6.159		1767855	4434616
6.254		927645	936953
6.299		55388	46852
6.384		2447	1467
6.454		300453	370827
6.565		3341	5491
6.6	DCB	6429736	6382200
6.75		8685	11192
6.846		4108368	13717610
6.993		20499	46948
7.117		1754	2763
7.293		2170	3353
7.386		2385	4596
7.423		3574	6936
7.481		883	474
7.602		1292	428
7.67		2467	3915
7.753		1613	522
7.839		2120	3792
7.963		934	319
8.028		1661	5734
8.108		1061	628
8.153		2240	1850
8.276		2067	497
8.405		1680	1836
8.659		1937	6917

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 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: 07PCBS17284001B.0045.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.533		2149	3515
1.749		8507	12323
1.8		8927	17933
1.851		10532	31500
1.903		106449	94270
1.966		13010	33786
2.03		33797	27087
2.162		4162	5120
2.276		14236	8522
2.385		6083	6328
2.507		8011	11517
2.526		58333	52785
2.592	TCX	15642930	9771291
2.635		71994	36351
2.763		257175	175167
2.809		156324	75189
2.824		238488	124789
2.876		1306199	859590
2.926		42673	26170
2.987		180546	120117
3.084		1673399	1682253
3.135		211168	126082
3.156		87735	48261
3.182		151742	83762
3.206		1639191	1090143
3.242		57596	34192
3.269		73705	37115
3.289		404977	215095
3.304		244696	119359
3.354		652435	344469
3.363		1833397	804013
3.383		51781	18546
3.397		1638555	1109949
3.47		1778823	1101081
3.506		1209963	751992
3.529		1248329	691273
3.546		401088	205288
3.631		1472527	952322
3.653		546539	293589
3.674		512404	306428
3.703		325148	170424
3.72		1242995	750965
3.761		445686	321304
3.809		54206	45628
3.831		321557	191382
3.852		1647782	1052302
3.877		341729	202553
3.896		55542	25668
3.916		205211	130263
3.951		1286643	908133
3.985		50709	29557
3.999		97805	62739
4.048		7766	4876
4.094		79106	59856

4.15		341198	246392
4.192		366486	224582
4.211		281556	144273
4.224		949365	526523
4.25		527766	526606
4.301		2990578	2215595
4.35		33734	22327
4.371		262035	172551
4.395		656428	483668
4.438		3467569	2783645
4.539		2621726	2634570
4.592		342866	278655
4.63		791814	668830
4.666		3375958	2848078
4.699		1838596	1297903
4.737		1226317	977628
4.836		385453	277251
4.853		42162	21327
4.887		2157195	1693584
4.909		236125	144214
4.959		1129850	1039402
4.995		576818	454836
5.026		438887	353834
5.059		146665	94085
5.081		5189687	4356368
5.122		100345	72643
5.153		184733	145722
5.273		57595	38404
5.297		1123863	925895
5.342		3435031	3853880
5.459		3856	2952
5.497		101946	87581
5.544		85206	63765
5.565		56371	40405
5.615		624820	545179
5.724		1344956	1176814
5.755		71309	49000
5.924		441381	382322
5.99		5423	6880
6.047		1723	1194
6.084	DCB	11419170	10415980
6.259		5453	4907
6.283		5345	6221
6.378		16134	30219
6.493		7749	14008
6.53		4939	4519
6.602		2537	2910
6.685		6034	15873
6.768		6949	8427
6.821		2384	2807
6.912		5206	9503
7.182		9214	24308
7.428		1436	2211
7.591		17388	52306
7.821		27498	77716
7.965		11680	36633
8.165		9949	27992
8.526		36408	140121

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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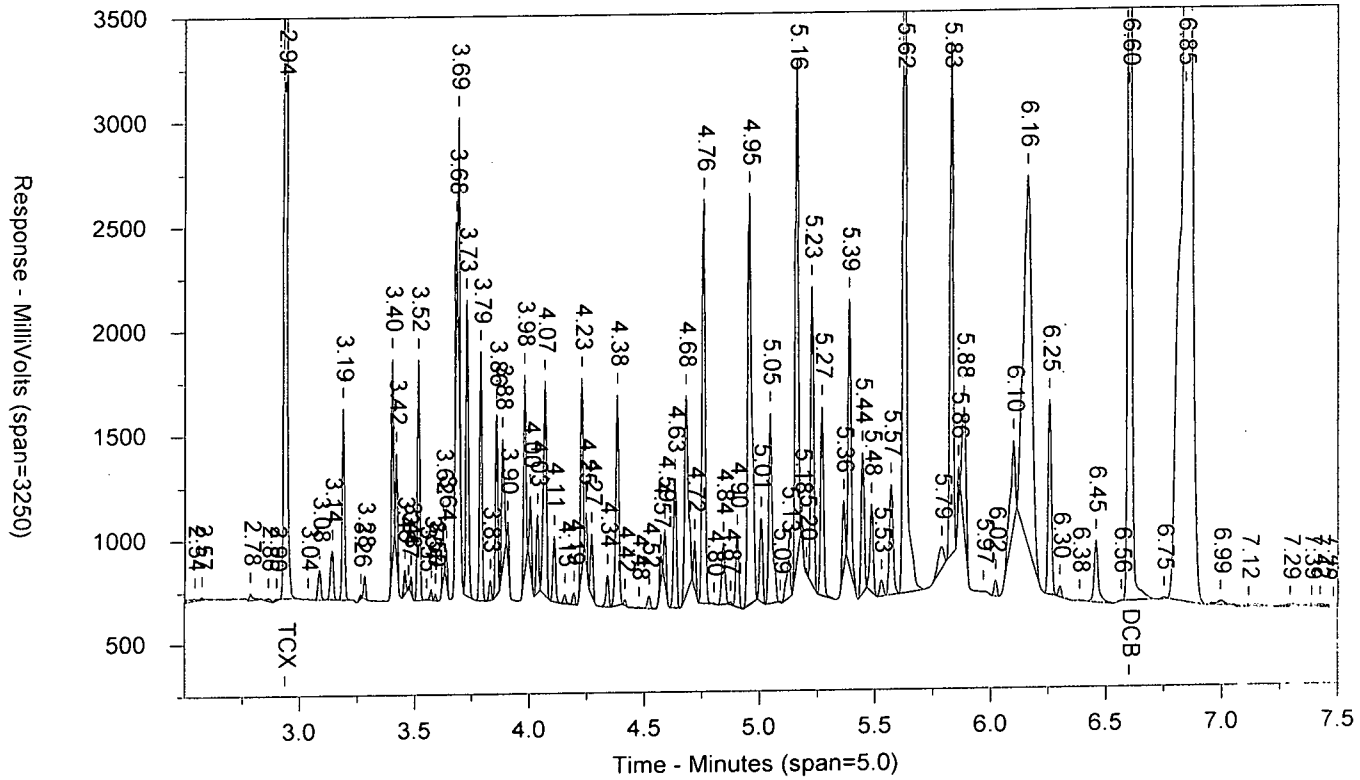

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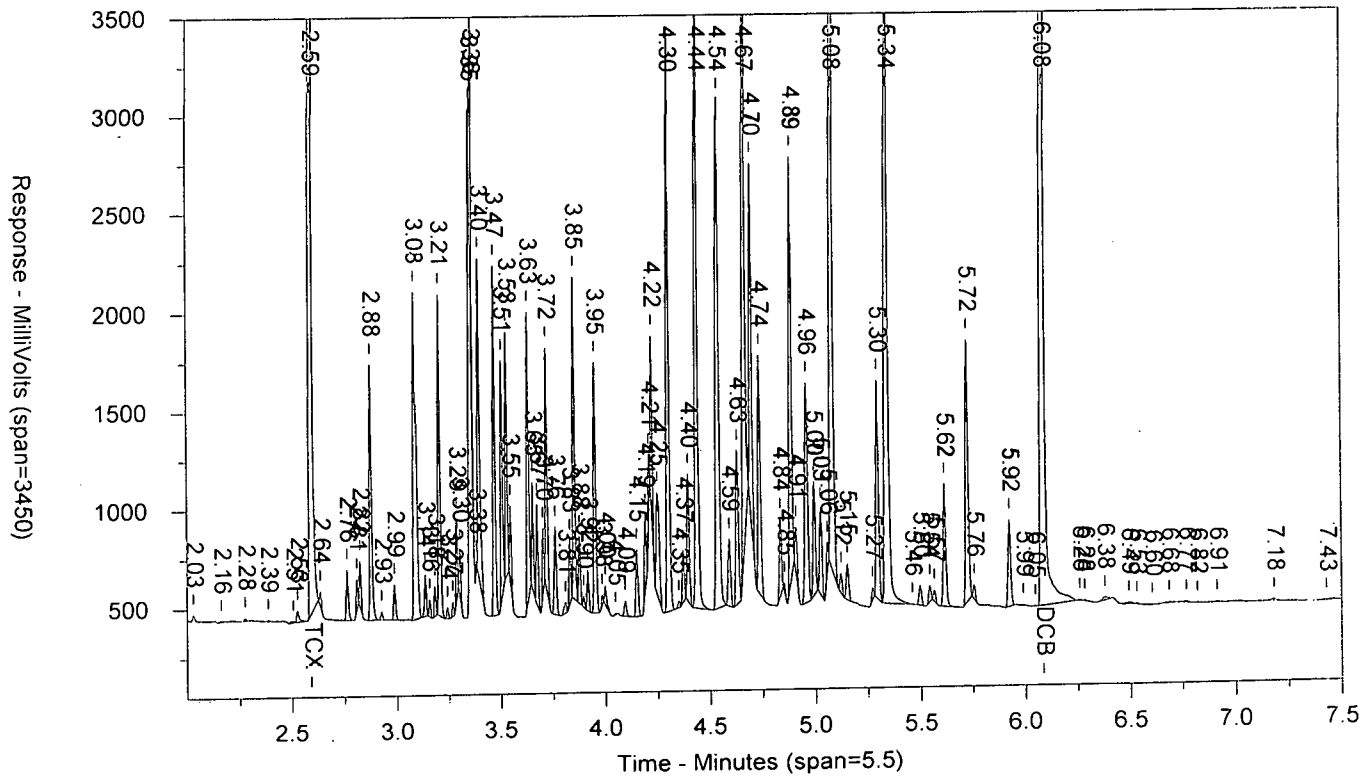

LANCASTER LABORATORIES

Sample Number: AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:25:59 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 B
2.936	10997100	40.118	TCX	2.592	15642930	37.737	TCX
6.6	6429736	31.864	DCB	6.084	11419170	30.165	DCB

Files:
Area File: 07PCBS17284001.0045.RAW
Area File: 07PCBS17284001B.0045.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:29:24 AM

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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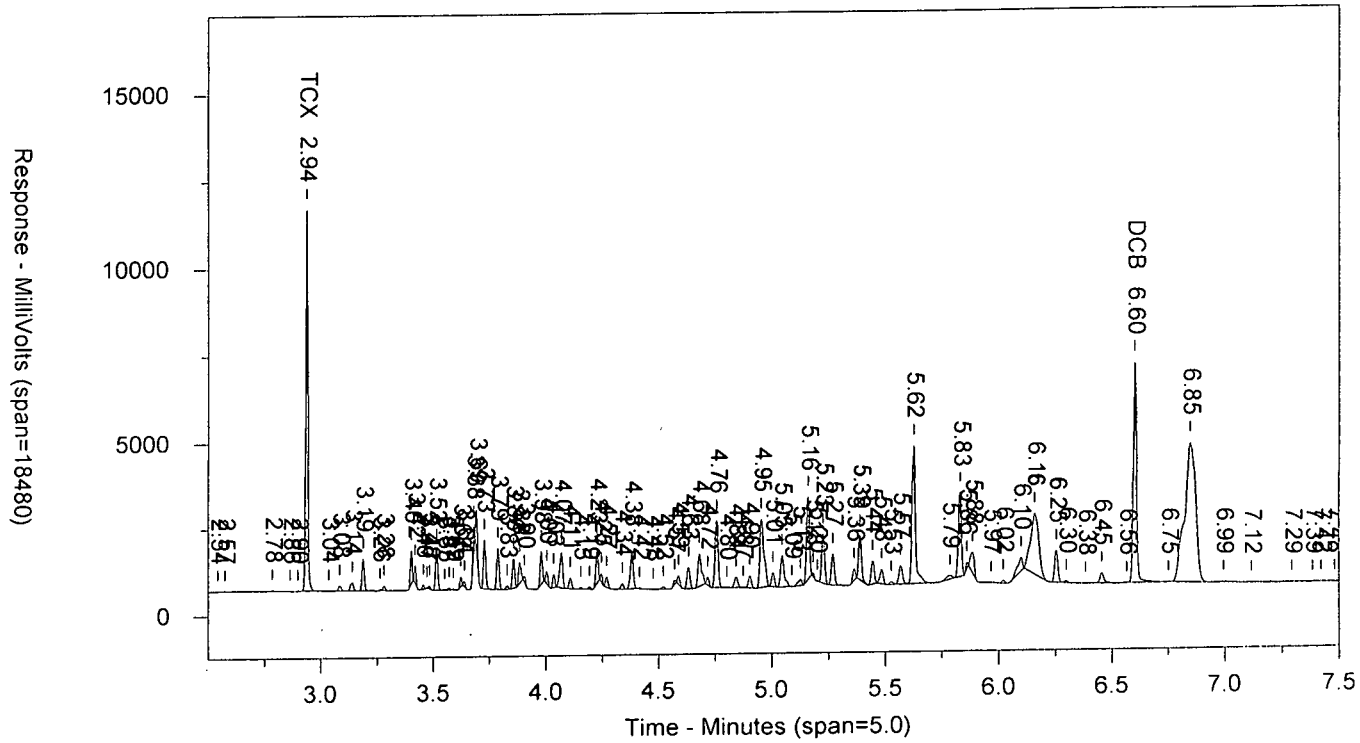

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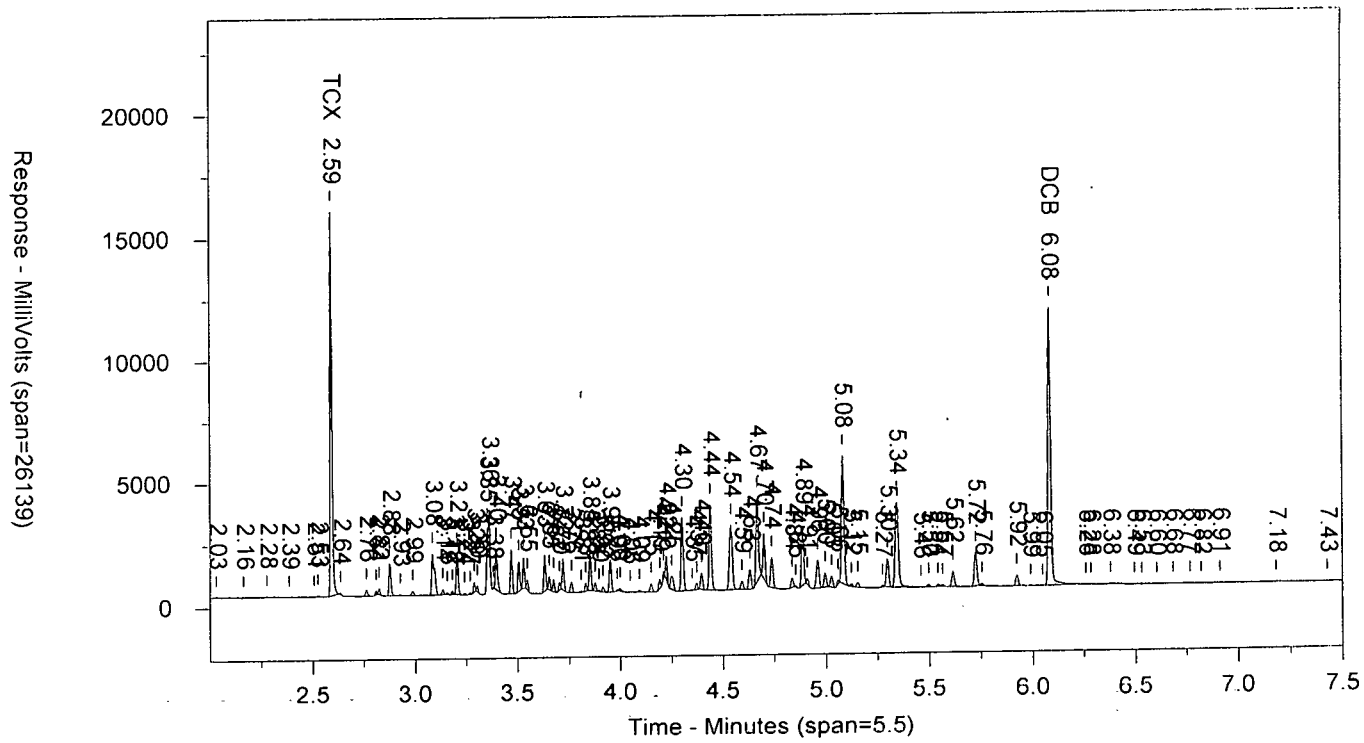

AR1641724B KUAR164KU CCAL 1728399999 10736 SW-846 8082

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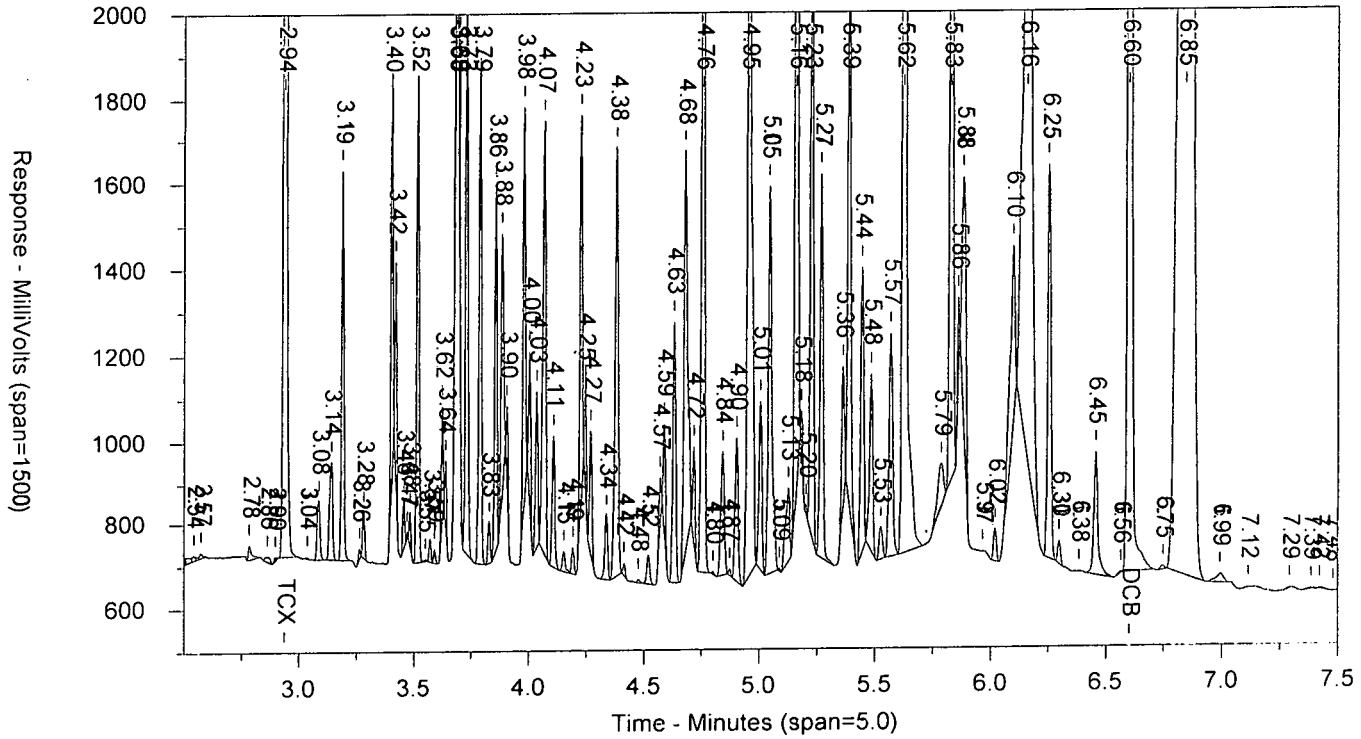

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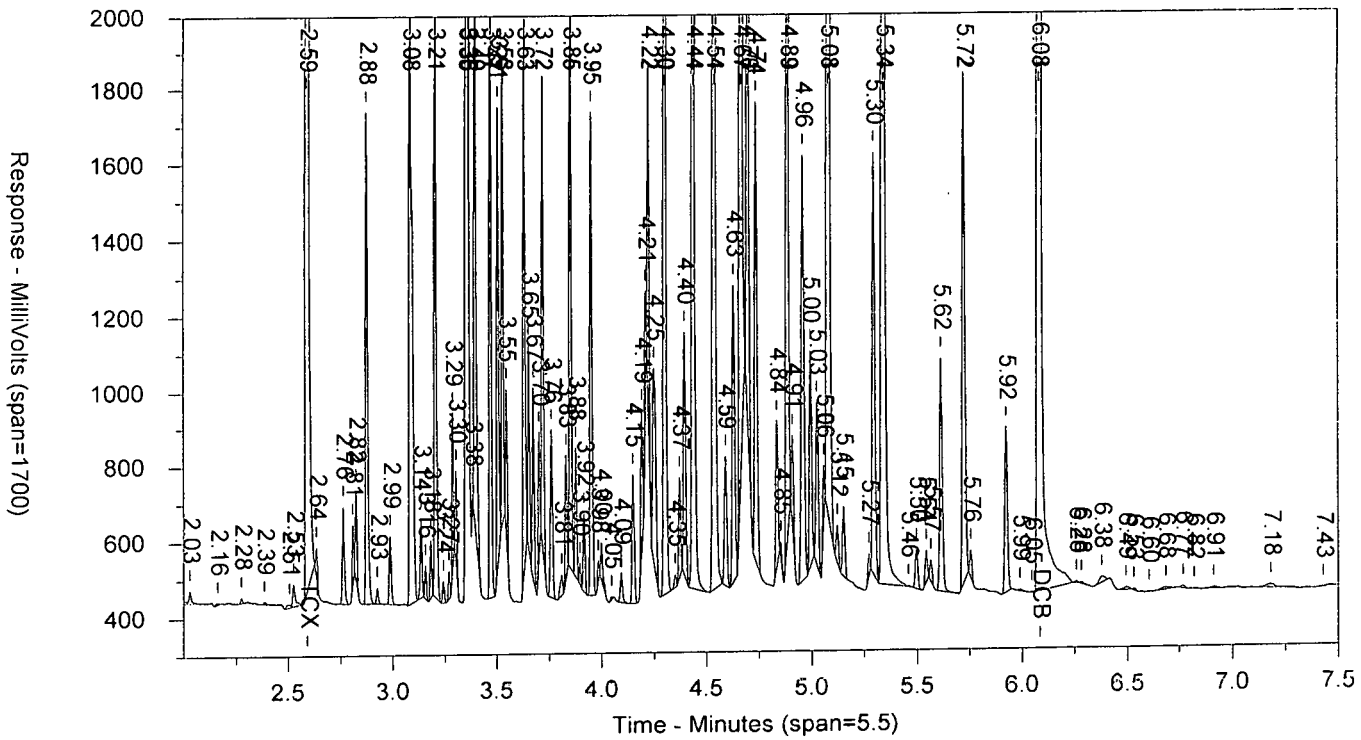

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 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: 07PCBS17284001.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.579		33572	34694
1.612		7291	25513
1.73		3951	2505
1.782		1659	1520
2.011		27892	58263
2.066		18886	55698
2.09		14510	23879
2.234		24551	15954
2.333		27820	22820
2.378		3068	3465
2.5		18491	30330
2.541		5548	4575
2.721		1684	4337
2.785		46638	36008
2.864		19209	30308
2.904		7858	11362
2.936	TCX	5256771	3552221
3.134		75259	50884
3.264		22059	17240
3.572		35014	22379
3.609		7665	14016
3.673		7886	10099
3.85		1769	475
3.883		1194	220
3.922		8748	7555
3.956		1962	1668
4.061		1488	435
4.172		10759	9016
4.254		6854	6252
4.278		10743	10107
4.31		1409	597
4.378		1408	953
4.613		2754	9852
4.753		1970	2229
4.786		2005	538
4.902		8856	17911
4.961		3274	4046
5.002		1417	440
5.038		3268	6164
5.162		2871	2655
5.229		1508	899
5.271		10726	13698
5.316		5269	7355
5.548		1660	6055
5.592		1316	2468
5.651		7479	12219
5.73		12933	12225
5.787		1708	2190
5.95		2083	2352
5.988		1761	512
6.021		22257	21908
6.084		19058	24761
6.193		1654	862

RT A	Compound A	Height A	Area A
6.228		1641	1169
6.246		1789	405
6.29		1498	387
6.455		29804	28883
6.555		1166	1634
6.602	DCB	3096421	3255425
6.814		4545	6200
6.833		3150	10662
6.987		1703	1988
7.085		1289	284
7.148		2170	5169
7.299		1187	406
7.472		1131	505
7.595		1983	936
7.638		1294	1901
7.837		2581	7064
7.98		1317	750
8.017		1206	1344
8.033		1732	691
8.051		1846	514
8.173		1390	464
8.212		1733	652
8.238		1749	1513
8.316		1590	997
8.359		1541	600
8.428		1276	490
8.449		1489	598
8.692		1874	1288

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 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: 07PCBS17284001B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.526		2289	2780
1.558		7762	6963
1.749		3998	10904
1.795		4433	3359
1.901		66109	54158
1.965		9678	19022
2.03		15216	12246
2.161		4624	5744
2.212		3843	4627
2.302		4920	11623
2.385		4094	4076
2.505		10853	15623
2.525		79310	74468
2.591	TCX	7641293	4849397
2.679		2812	3956
2.756		4116	2098
2.809		112735	83139
2.925		22299	17563
3.095		7297	17815
3.269		42605	25029
3.305		11761	9138
3.362		6720	19968
3.614		2480	7727
3.691		4096	10727
3.849		4028	3817
3.916		16063	14255
3.994		4325	4933
4.047		17097	23799
4.121		5124	15618
4.385		2353	2809
4.553		7109	6981
4.617		3114	2014
4.669		4143	18971
5.029		1935	1655
5.153		3468	2452
5.192		5127	5780
5.315		15706	18943
5.39		1145	4510
5.497		27327	23469
5.566		17257	15194
5.619		1971	2406
5.924		50167	45464
5.954		2026	4152
6.083	DCB	5712218	5454585
6.421		1522	1049
6.536		4061	6995
6.672		1296	1674
6.735		1356	1941
7.404		3345	10444
7.585		3368	5711
8.163		9695	20606

IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082

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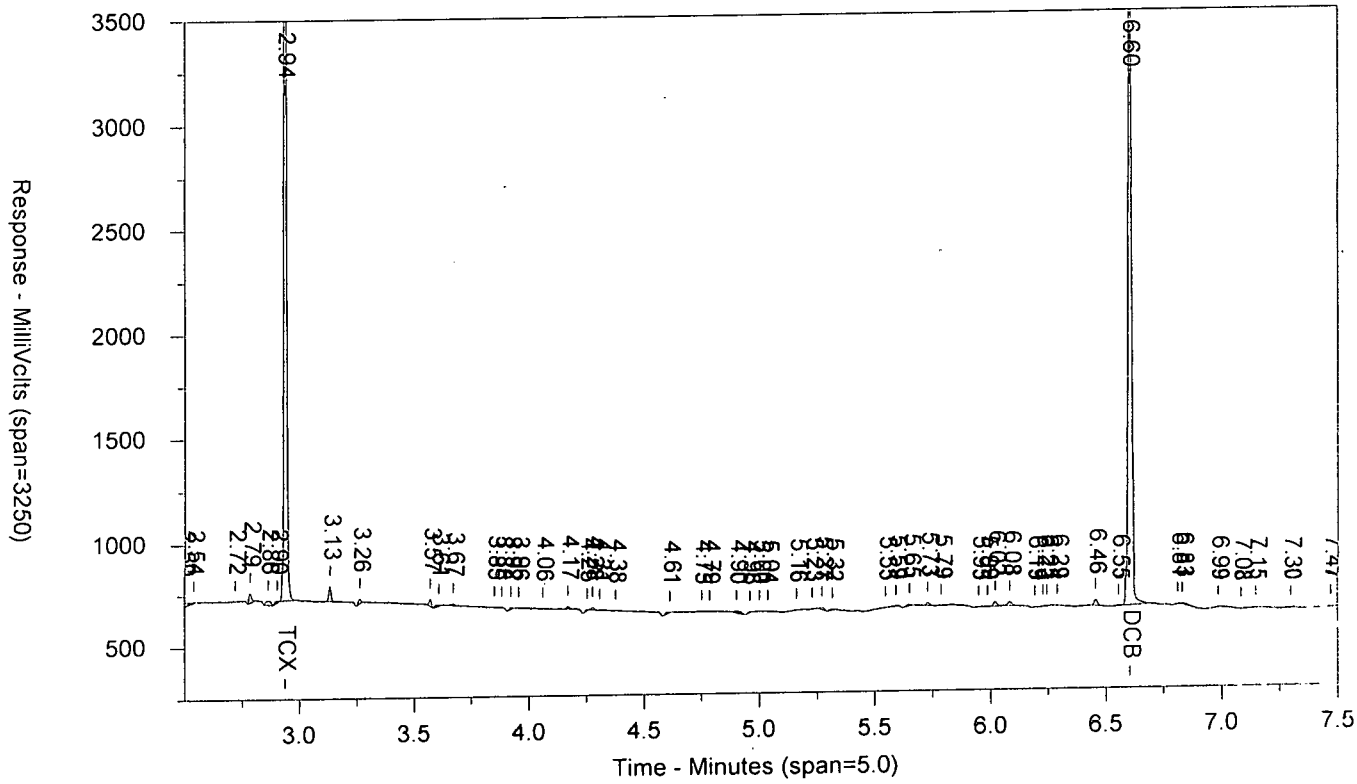

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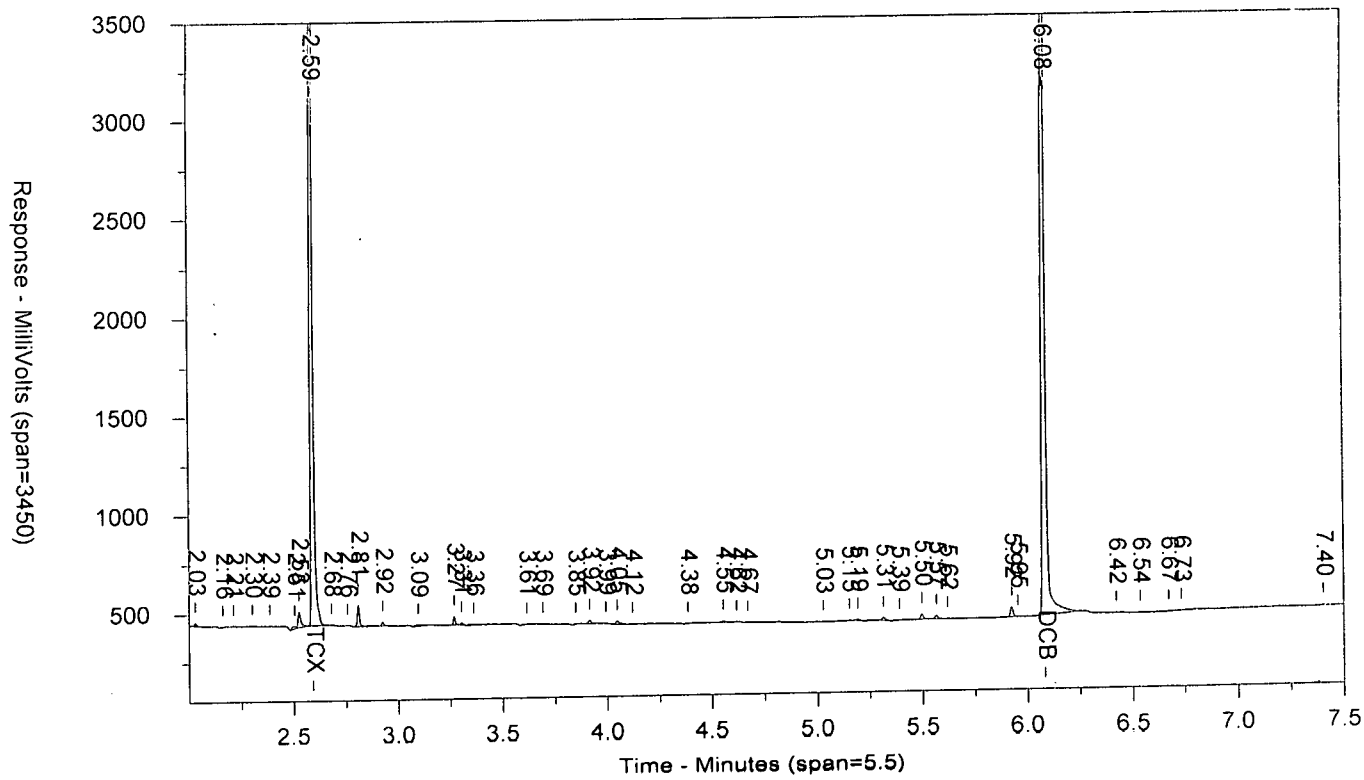

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 3:37:27 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
2.936	5256771	.192	TCX	2.591	7641293	.184	TCX
6.602	3096421	.153	DCB	6.083	5712218	.151	DCB

Files:
Area File: 07PCBS17284001.0046.RAW
Area File: 07PCBS17284001B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:42 AM
File Reported On: 10/12/2017 at 9:29:42 AM

IBLKX1724B RTPIBLKRT PIBLK1728399999 10736 SW-846 8082

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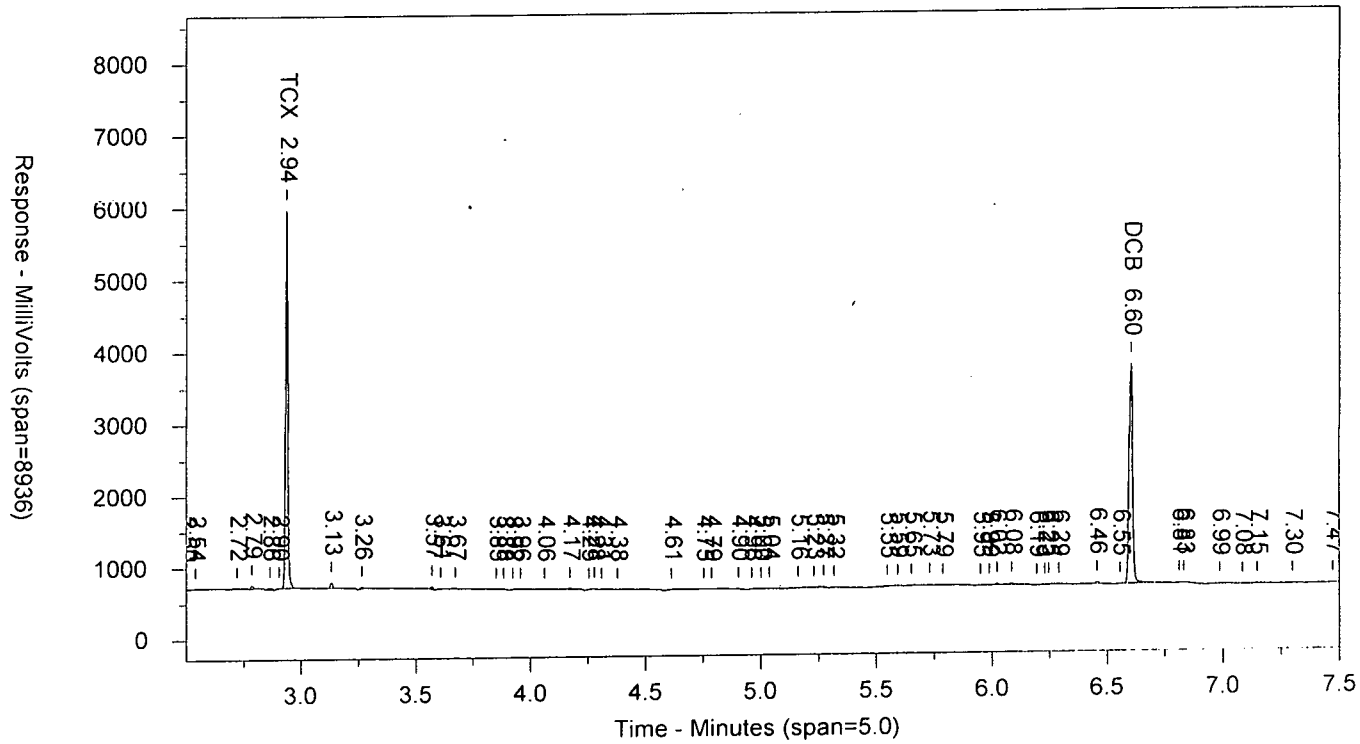

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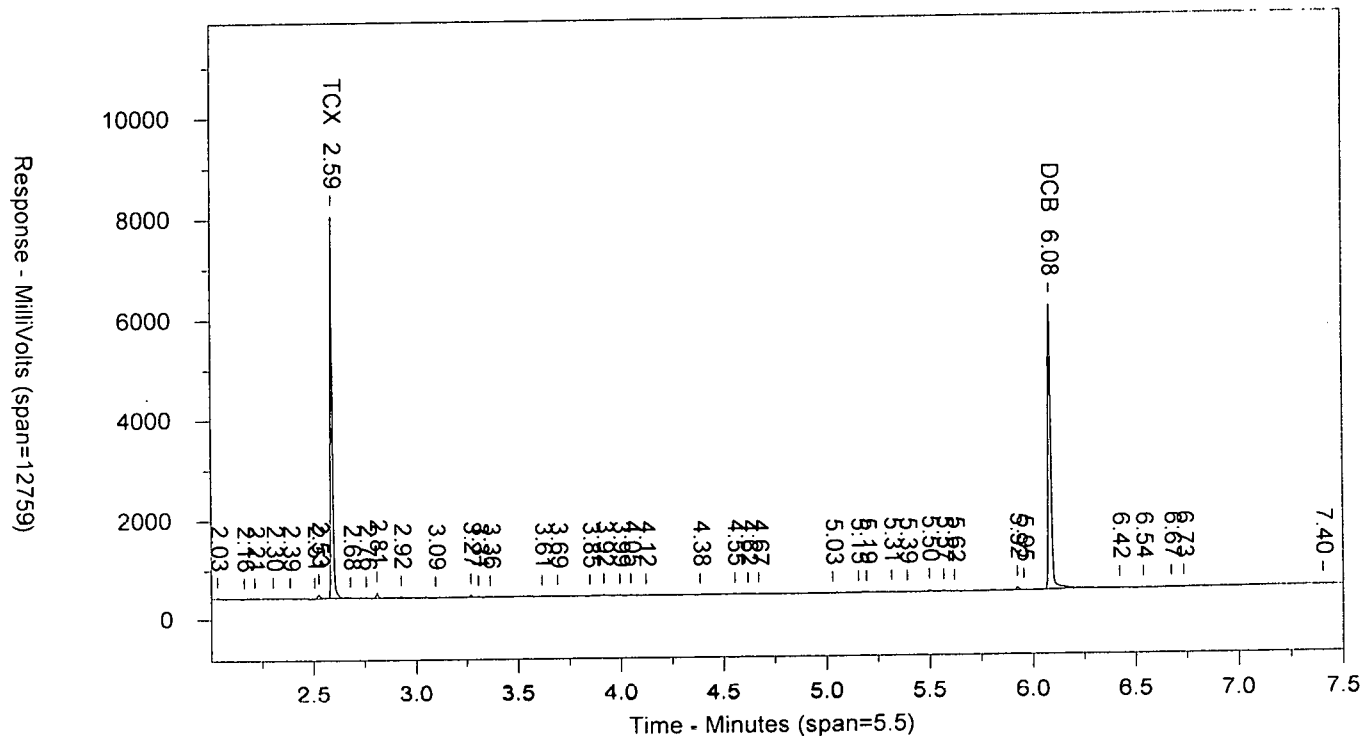

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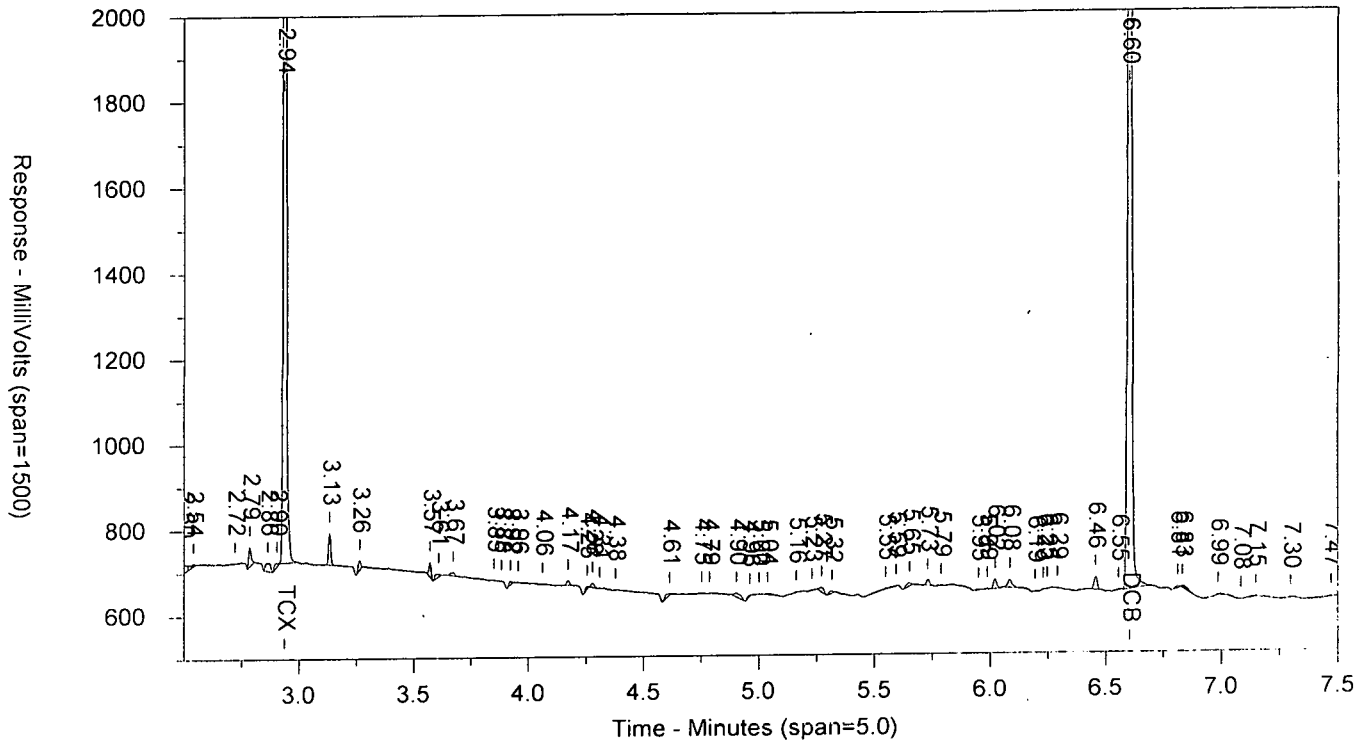

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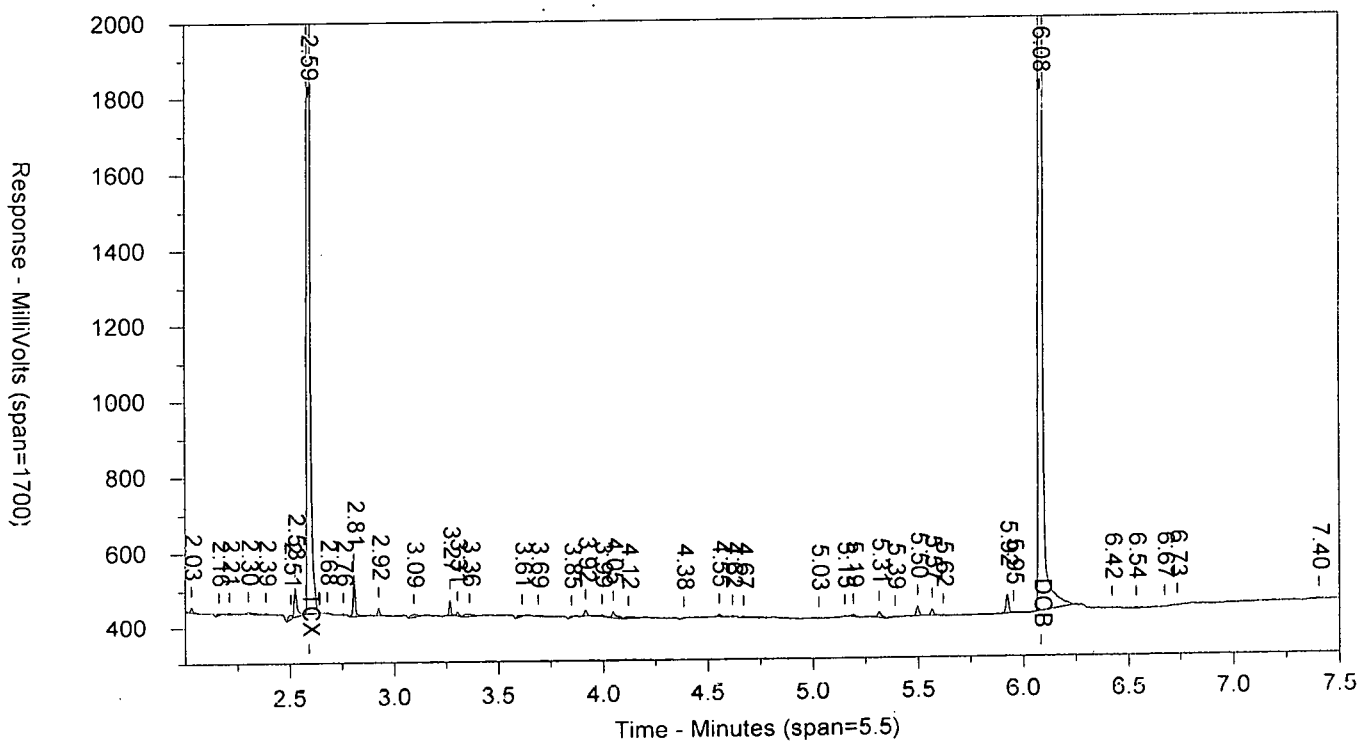

LANCASTER LABORATORIES

Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 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: 07PCBS17284001.0067.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.578		17710	16736
1.614		5005	16044
1.797		1479	999
2.067		8399	27885
2.09		6761	5815
2.174		3377	5032
2.235		54235	38055
2.334		33566	34948
2.501		5128	7480
2.576		7148	4316
2.64		1783	654
2.717		2013	1458
2.746		1376	559
2.786		29789	27994
2.858		7798	13621
2.937	TCX	11470750	7600501
3.035		3734	2350
3.086		165309	142992
3.141		260696	246840
3.189		974221	692405
3.264		25532	13452
3.282		122187	77032
3.322		3338	1929
3.403		1050715	621754
3.42		517032	270589
3.456		130825	75922
3.472		17092	6319
3.483		86520	43748
3.517		1242930	923794
3.552		6684	3122
3.573		41425	24941
3.592		38744	23851
3.625		309138	176541
3.64		155159	77965
3.683		770437	385236
3.694		1361428	632176
3.731		1551880	1151059
3.79		1339480	1006198
3.831		111976	77922
3.858		920272	670503
3.885		674939	528429
3.906		173471	90180
3.981		1040337	722672
4.005		378106	252614
4.036		426643	298087
4.07		1115020	1060429
4.109		355396	287037
4.156		54120	45844
4.196		73587	54082
4.229		1022084	769407
4.248		258345	142350
4.271		329890	254200
4.341		185637	154417

RT A	Compound A	Height A	Area A
4.384		1167006	1115021
4.417		35491	22676
4.48		9706	7420
4.521		89155	78970
4.572		149407	98375
4.589		312785	211352
4.633		743492	664986
4.682		1190883	1278685
4.719		266618	186137
4.758		2339009	2127942
4.801		4509	3446
4.844		335529	355697
4.876		21550	12623
4.904		388659	370269
4.956		2253170	2818543
5.007		472091	432603
5.047		1050940	1182647
5.089		5891	2509
5.128		234032	262134
5.161		2871481	2545430
5.182		100929	48165
5.201		36699	16327
5.228		1794257	1611003
5.27		1101530	1007471
5.365		402592	318552
5.39		1611003	1419190
5.447		872785	826862
5.486		520658	543932
5.528		106369	106579
5.57		696972	777288
5.627		4825628	5706396
5.831		3057808	2956839
5.863		151797	90756
5.886		765490	826316
6.022		144910	139951
6.101		620490	856323
6.256		1137639	1191838
6.301		63070	58335
6.426		1766	527
6.455		341946	354310
6.601	DCB	7131325	7529466
7.048		4447	4768
7.087		1559	1067
7.13		1013	575
7.172		1293	480
7.239		1267	431
7.41		1511	551
7.441		1094	356
7.464		1533	816
7.673		1373	682
7.956		1812	674
7.982		1712	508
8.015		1655	400
8.065		1243	505
8.206		1512	696
8.289		1467	1718
8.432		1611	523
8.479		1258	762
8.519		1205	593

LANCASTER LABORATORIES

Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 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: 07PCBS17284001B.0067.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.723		3660	1724
1.763		5784	11946
1.795		4227	4831
1.903		104782	89074
1.966		9624	20939
2.03		33026	25578
2.134		6681	6722
2.163		3415	3929
2.205		2713	3813
2.276		17128	17241
2.388		6456	7297
2.506		7022	8521
2.526		54206	45973
2.592	TCX	16350340	10075140
2.635		77815	42401
2.763		261444	192885
2.809		164385	77317
2.824		250173	131211
2.876		1360640	889819
2.926		43862	25238
2.987		187972	125166
3.084		1748624	1761782
3.135		220886	134429
3.156		95751	53671
3.182		155311	87010
3.205		1726796	1152134
3.242		59407	36153
3.269		59105	28799
3.289		436864	231517
3.304		257303	128056
3.354		672345	351465
3.363		1901457	829995
3.383		48618	17809
3.397		1711433	1203381
3.47		1890988	1202195
3.506		1273769	827199
3.529		1383524	760820
3.547		437556	223459
3.596		3247	2198
3.632		1594403	1055502
3.654		609131	324023
3.675		573403	337107
3.703		374867	188652
3.721		1359634	822624
3.761		478316	352766
3.809		59939	50834
3.831		345952	202650
3.853		1739223	1150392
3.878		363243	215804
3.897		58140	27258
3.917		219796	140091
3.952		1425561	1001516
3.985		56238	31933
3.999		106104	65030

4.048		5927	3351
4.095		88746	73758
4.151		386499	275912
4.193		393706	246034
4.211		348181	169306
4.225		1081336	612226
4.251		586530	600393
4.303		3375798	2536630
4.35		42015	27485
4.372		275099	179798
4.397		695436	546547
4.439		4021634	3193132
4.541		3130031	3109294
4.593		387962	323856
4.632		894105	785136
4.668		3858908	3280831
4.7		2092199	1523542
4.738		1462678	1152695
4.836		450093	334118
4.854		41259	22955
4.887		2646097	2072933
4.91		264498	165406
4.961		1400930	1267990
4.996		695230	558521
5.028		523528	434395
5.059		170834	99126
5.082		6060085	5403500
5.123		113143	79421
5.154		245437	189530
5.274		71258	47130
5.298		1414706	1173334
5.342		4153730	4880668
5.498		165199	150291
5.545		94569	67745
5.567		118796	86493
5.616		778415	730442
5.725		1709677	1503896
5.756		72345	51399
5.925		594986	561540
6.084	DCB	13631200	13141320
6.535		10174	12509
6.771		3342	3586
6.809		2489	3066
7.583		1684	2592
8.162		9496	17053

AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

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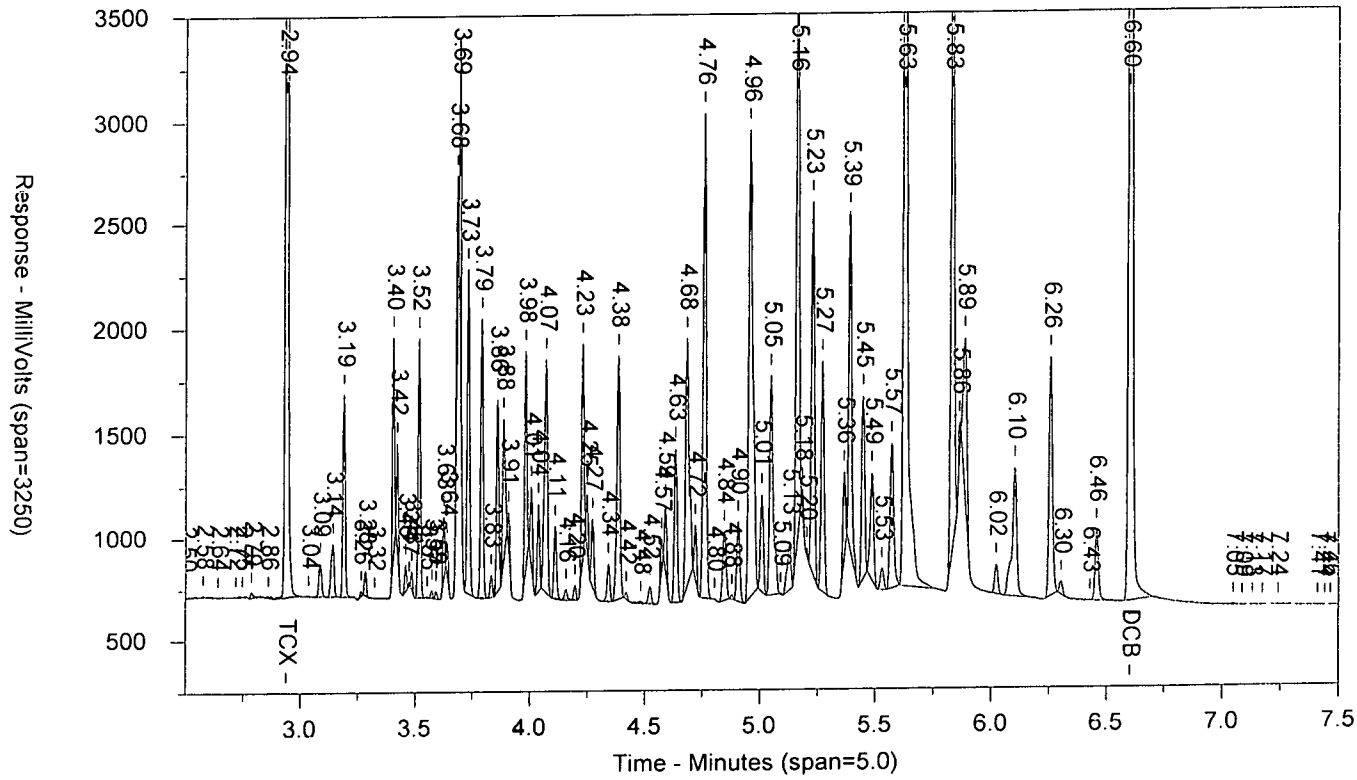

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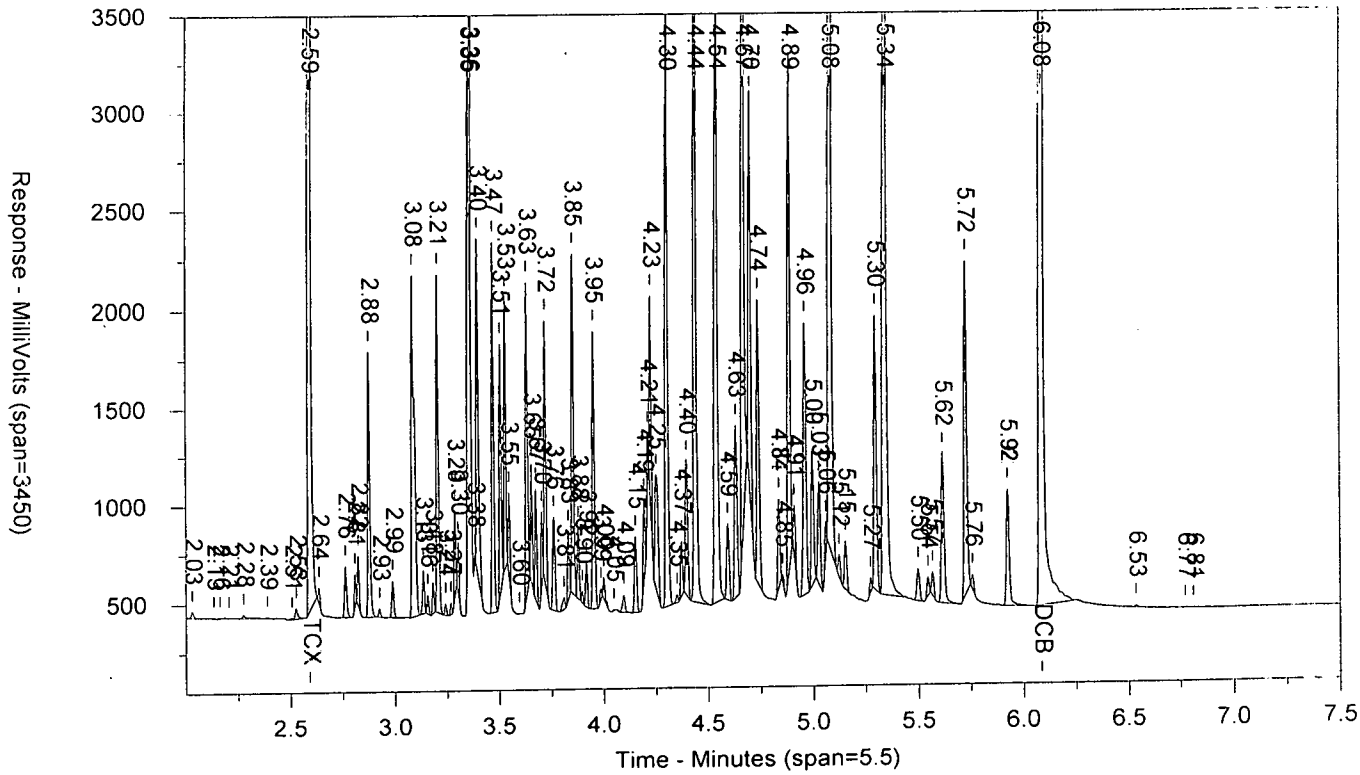

LANCASTER LABORATORIES

Sample Number: AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:37:16 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	11470750	41.846	TCX	2.592	16350340	39.443	TCX
6.601	7131325	35.341	DCB	6.084	13631200	36.008	DCB

Files:
Area File: 07PCBS17284001.0067.RAW
Area File: 07PCBS17284001B.0067.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:16 AM

AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

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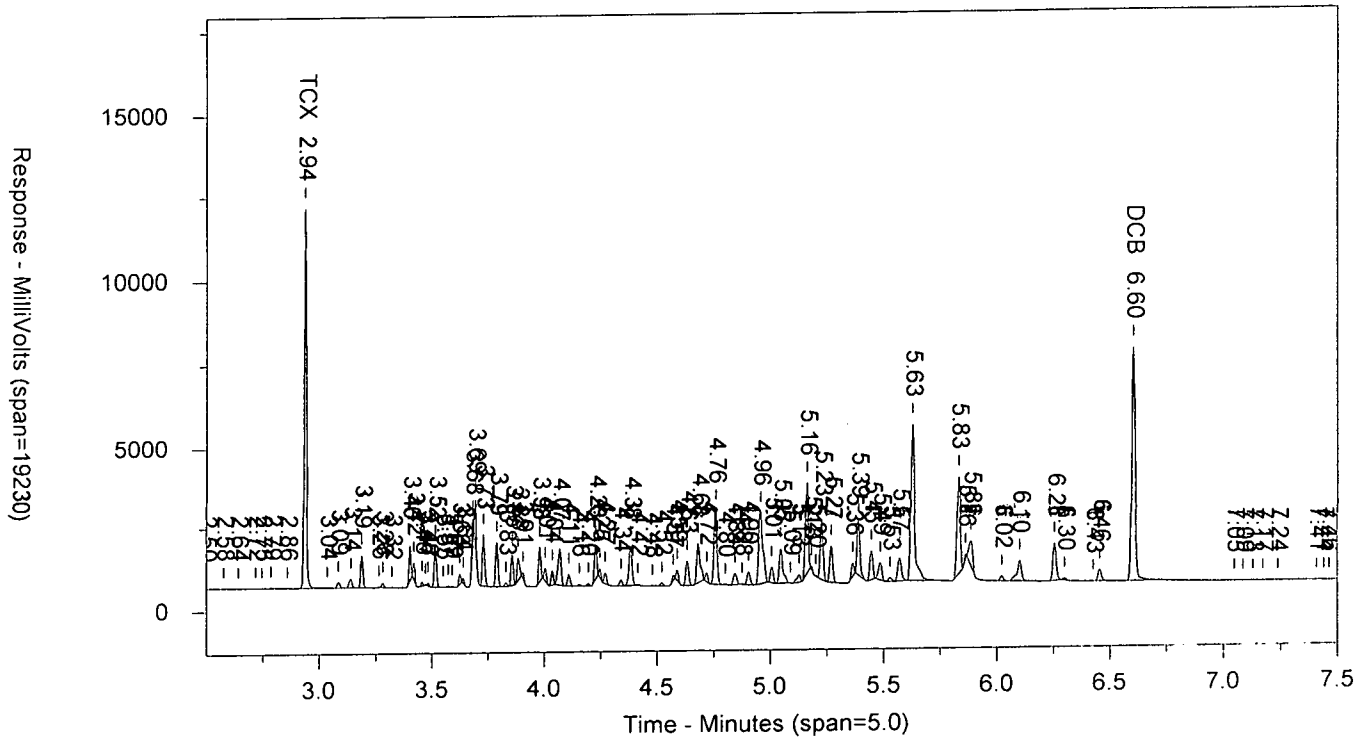

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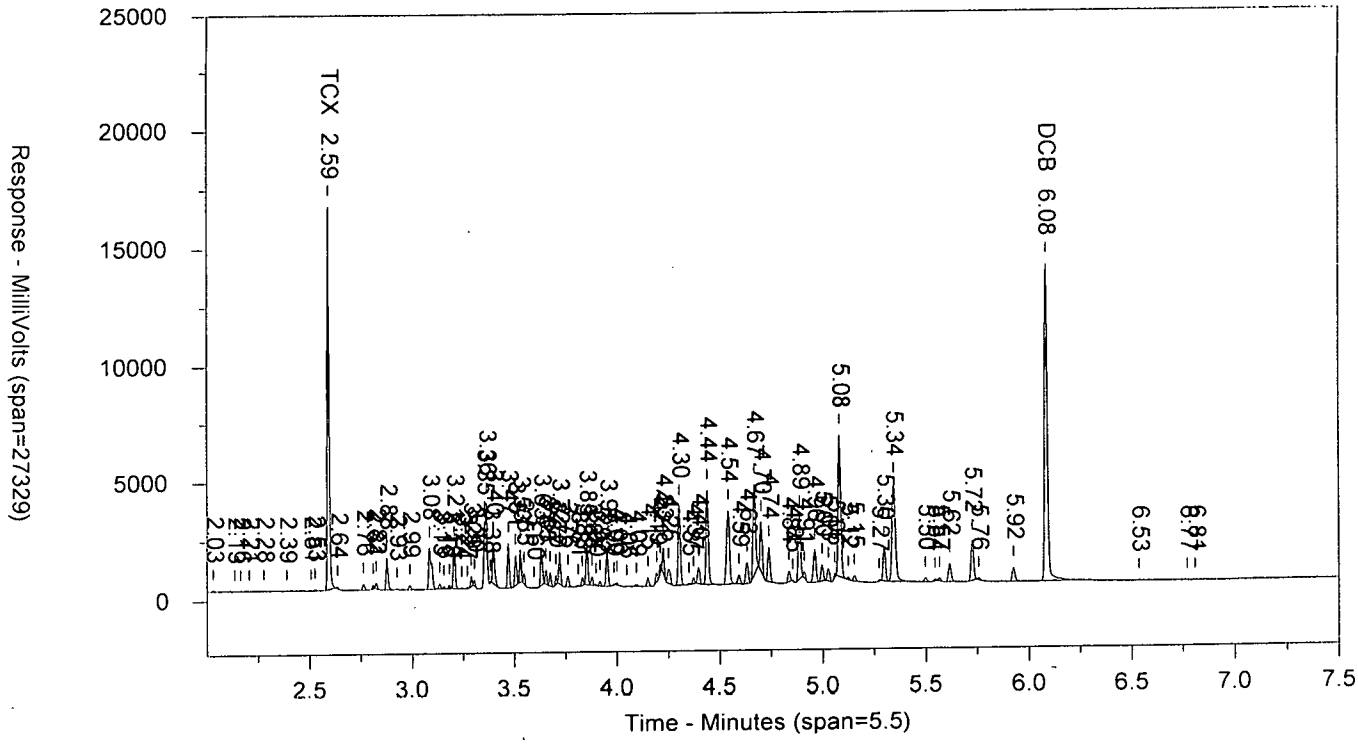

AR1641724B KVAR164KV CCAL 1728399999 10736 SW-846 8082

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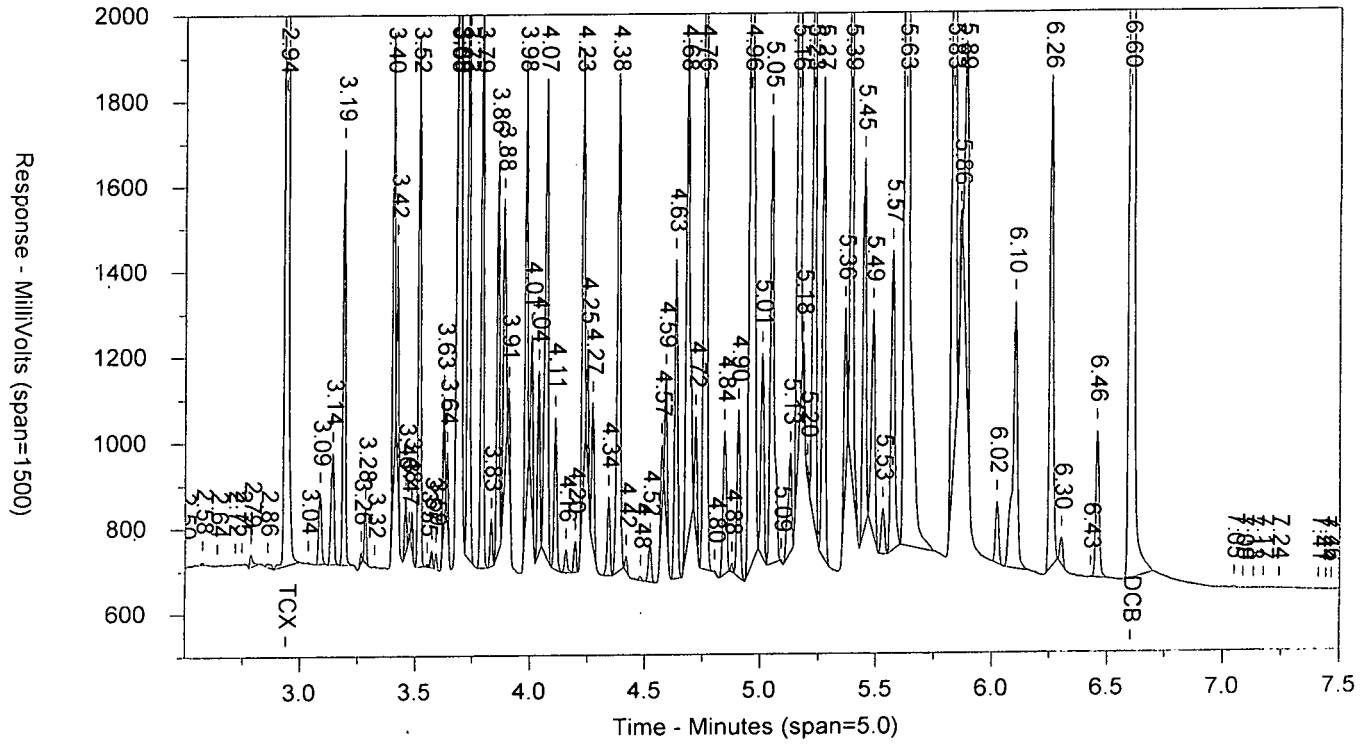

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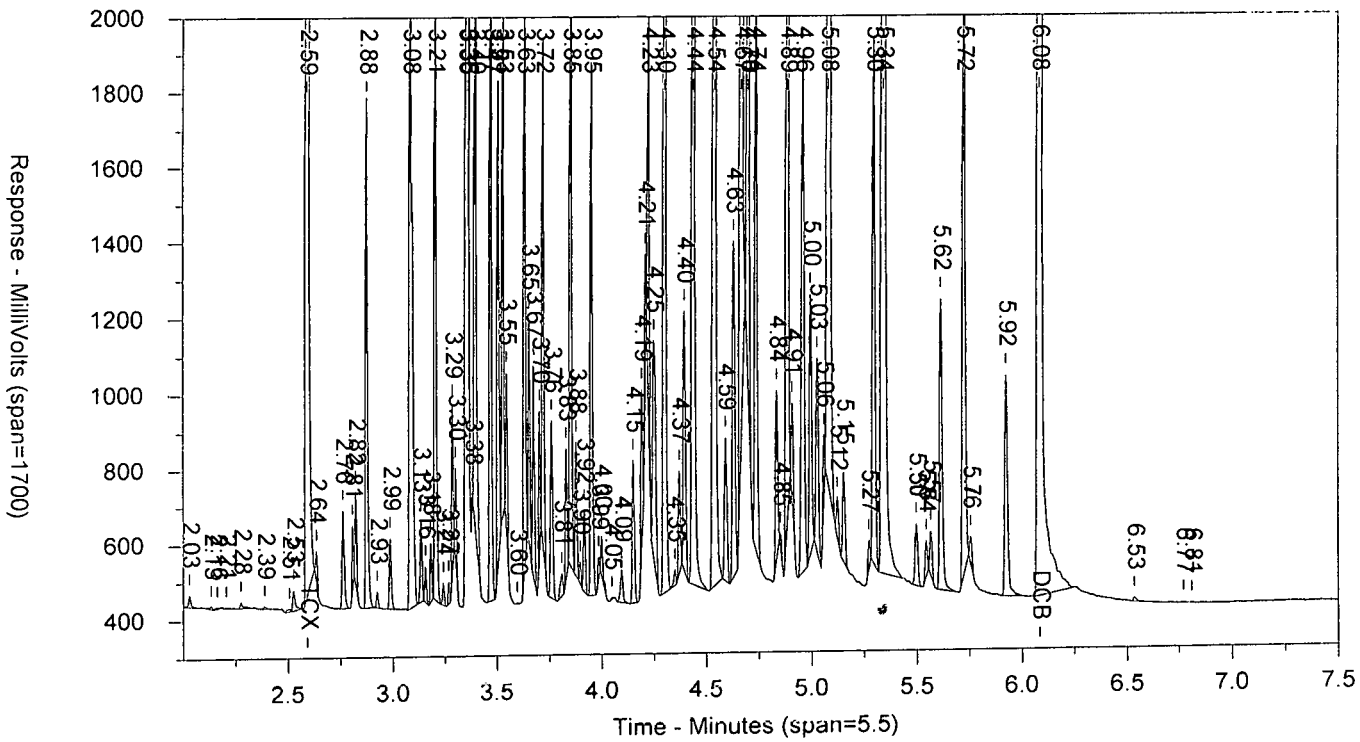


LANCASTER LABORATORIES

Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 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: 07PCBS17284001.0068.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.584		20669	24184
1.613		8258	23477
1.73		6163	4156
2.063		12463	34486
2.087		11019	10203
2.235		26204	16798
2.333		34238	28872
2.383		2453	1175
2.51		4759	14681
2.786		33497	27198
2.869		18589	28732
2.903		4321	6371
2.937	TCX	5469796	3671583
3.134		79556	53469
3.265		23527	21102
3.506		2884	2205
3.572		26009	18123
3.61		4774	9133
3.672		7476	9644
3.73		3186	2296
3.831		1744	1517
3.858		2068	1241
3.878		983	196
3.925		7027	8166
3.95		1184	547
3.975		1643	670
4.024		1720	1016
4.06		1594	375
4.173		10726	8926
4.209		6176	11405
4.257		6920	8631
4.282		11383	11697
4.317		2886	2672
4.433		1361	419
4.528		1834	448
4.609		4902	8774
4.655		1720	416
4.68		1342	316
4.758		4228	4170
4.882		1521	884
4.9		7234	14879
4.963		6351	8243
5.04		1492	586
5.159		3201	2986
5.265		4109	7616
5.337		3683	16419
5.391		1498	1610
5.436		3729	5098
5.484		1355	1307
5.53		2998	2469
5.573		1876	1966
5.65		17953	23230
5.731		14115	15829

RT A	Compound A	Height A	Area A
5.792		1885	426
5.831		1439	843
5.951		3462	3893
6.022		46845	43239
6.084		40894	43483
6.193		6304	5228
6.238		2301	3485
6.254		2412	1775
6.339		1856	1527
6.455		38775	36931
6.509		1845	1138
6.558		1211	779
6.602	DCB	3602885	3732760
7.021		1489	424
7.043		1686	812
7.106		2098	1427
7.161		1453	656
7.28		1973	2087
7.334		1503	480
7.385		1814	603
7.419		1558	263
7.502		1146	586
7.659		1563	887
7.748		1303	399
7.877		1529	990
8.036		1527	1175
8.058		1483	727
8.13		1531	665
8.141		1472	617
8.183		1117	1051
8.238		1341	555
8.346		1487	523
8.388		1130	432
8.563		1655	722

LANCASTER LABORATORIES

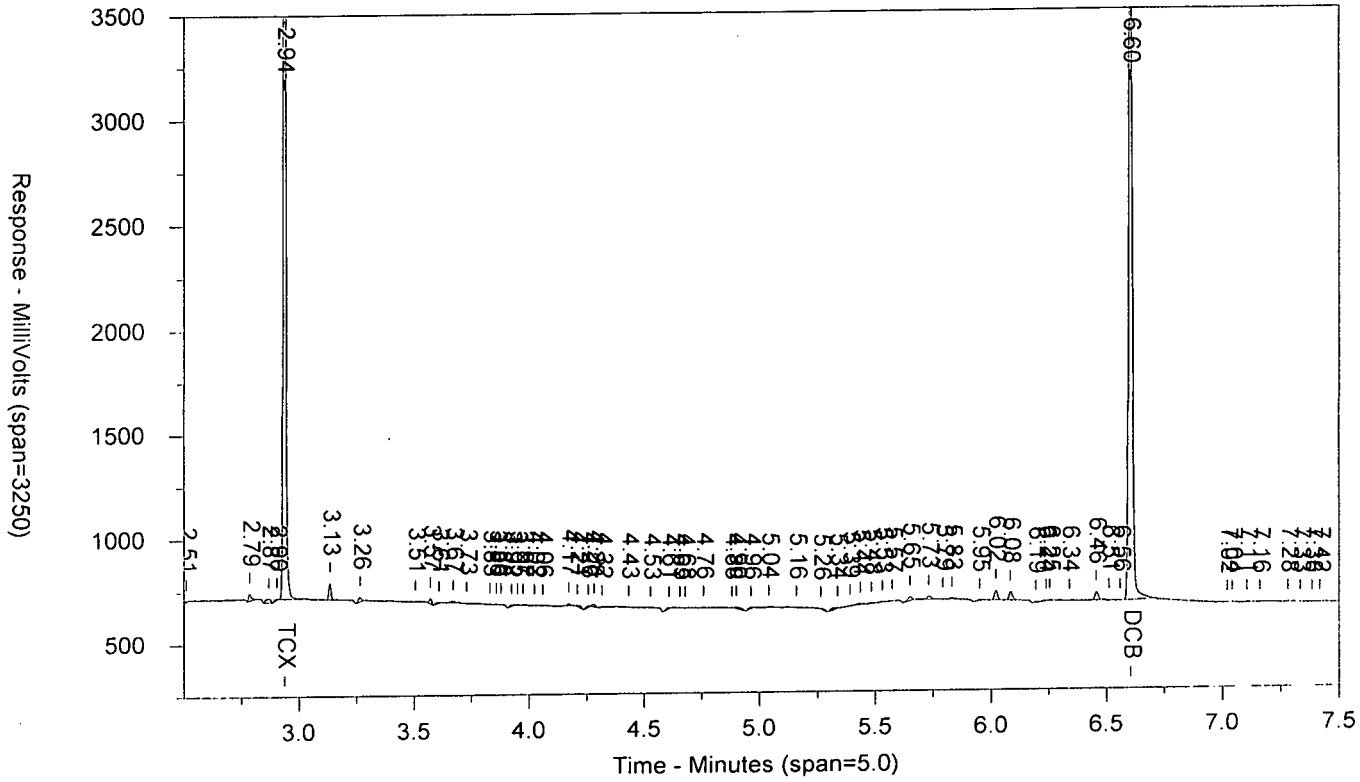
Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0068.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		3407	2467
1.559		8582	6047
1.681		1915	1839
1.724		3264	1612
1.746		2886	2406
1.796		3939	2957
1.901		73562	59196
1.97		11805	26072
2.03		17788	16936
2.131		5907	6410
2.162		4038	5366
2.208		3826	4565
2.302		3869	11312
2.388		4058	6663
2.508		8971	16122
2.526		59415	50107
2.592	TCX	7856349	4955360
2.681		4064	3756
2.756		3095	1914
2.809		111734	74576
2.926		21822	13950
3.088		7622	18672
3.27		30415	18625
3.306		11520	8609
3.34		2645	2542
3.505		4711	3317
3.543		5833	17853
3.6		5584	8076
3.692		9919	18136
3.807		6265	15185
3.852		6478	7805
3.915		14912	13331
3.95		2599	2225
3.995		4375	5613
4.048		15001	22201
4.125		3558	7103
4.208		5123	15294
4.303		4115	14106
4.395		2611	5113
4.438		4062	4196
4.554		7147	9332
4.618		3658	2731
4.636		5594	3819
4.671		5434	6459
4.744		1844	1358
4.816		2924	3265
4.887		3976	9218
4.971		2151	2517
5.032		3029	2300
5.082		6572	5740
5.154		11673	10326
5.193		4831	4709
5.317		20436	36557
5.385		6188	17400

5.444		2399	1837
5.498		51072	47963
5.566		48868	45083
5.616		4018	5847
5.876		1926	1203
5.925		71800	62383
6.084	DCB	6916090	6714086
6.533		5412	4627
7.84		1606	3544
7.961		2261	3324
8.163		10123	18204

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17284001.0068.RAW



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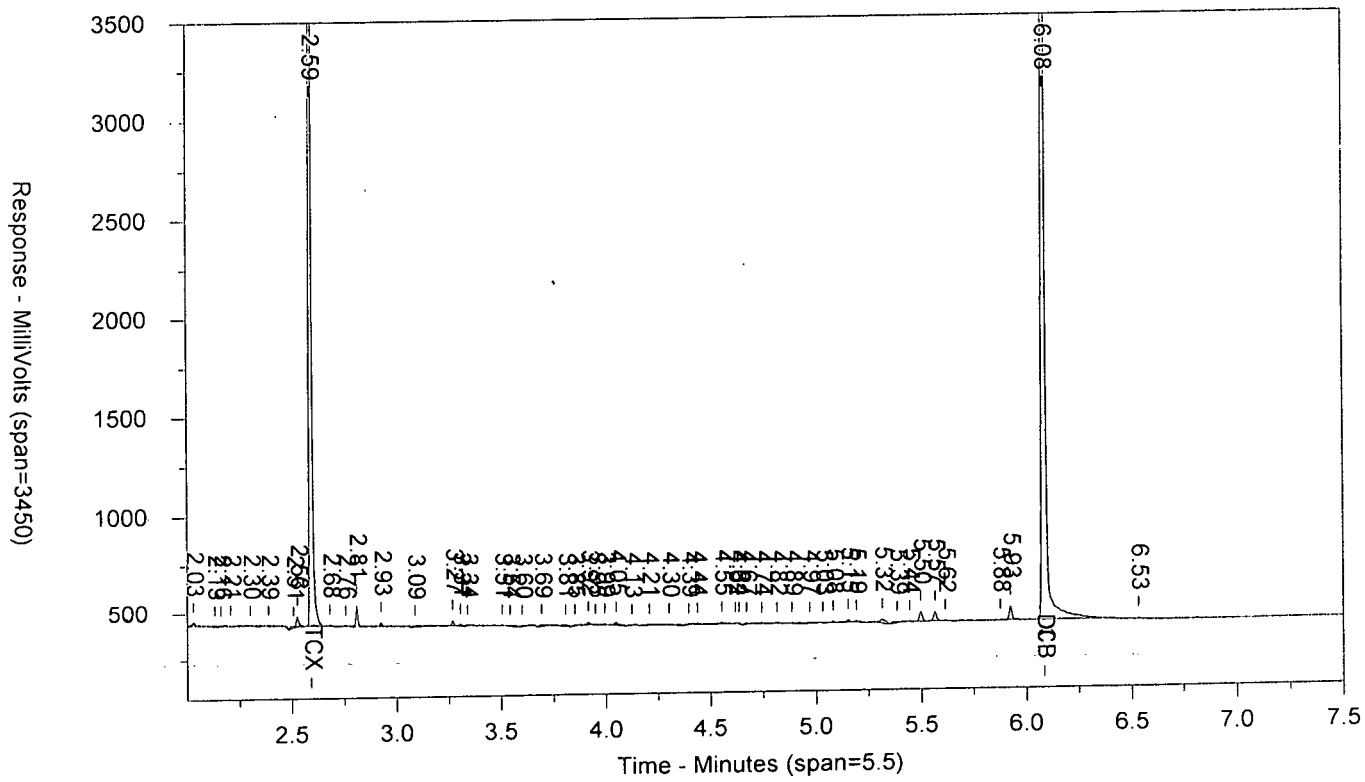

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 7:48:45 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	5469796	.2	TCX	2.592	7856349	.19	TCX
6.602	3602885	.179	DCB	6.084	6916090	.183	DCB

Files:
Area File: 07PCBS17284001.0068.RAW
Area File: 07PCBS17284001B.0068.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:49 AM

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

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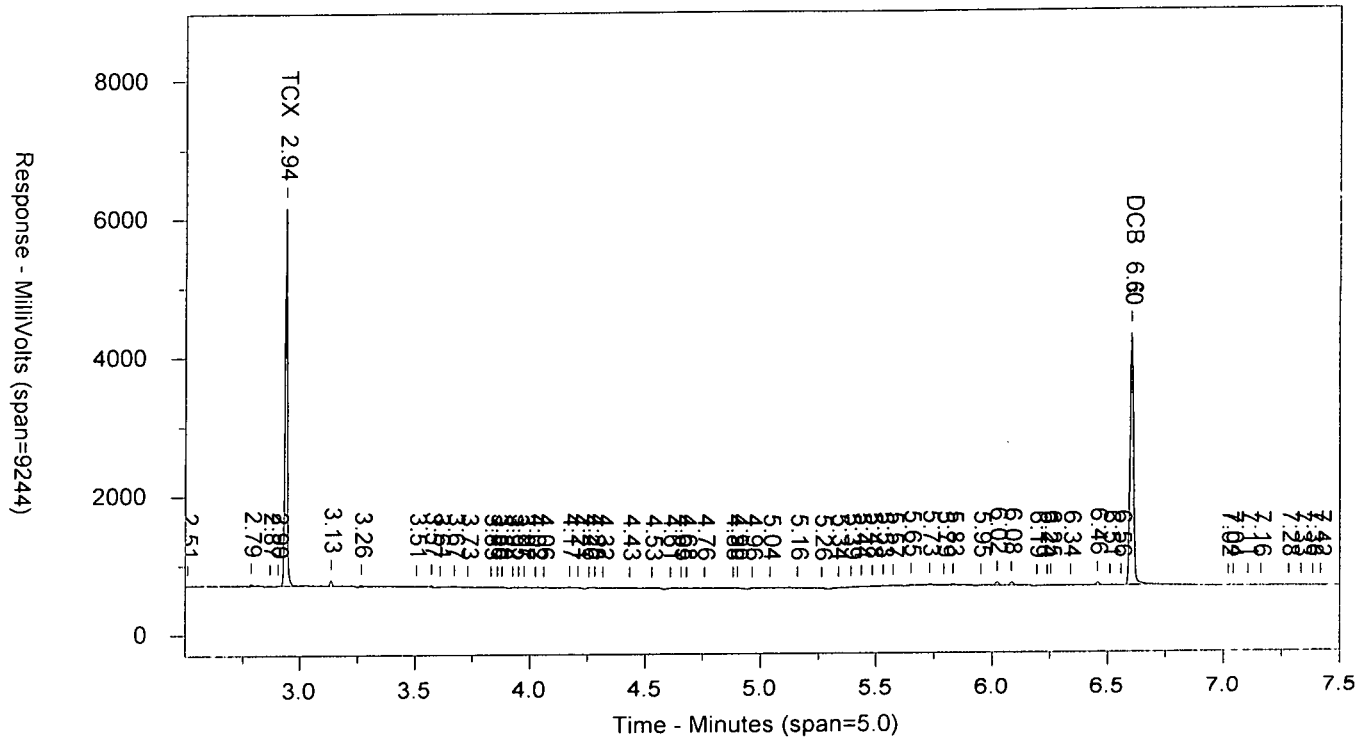

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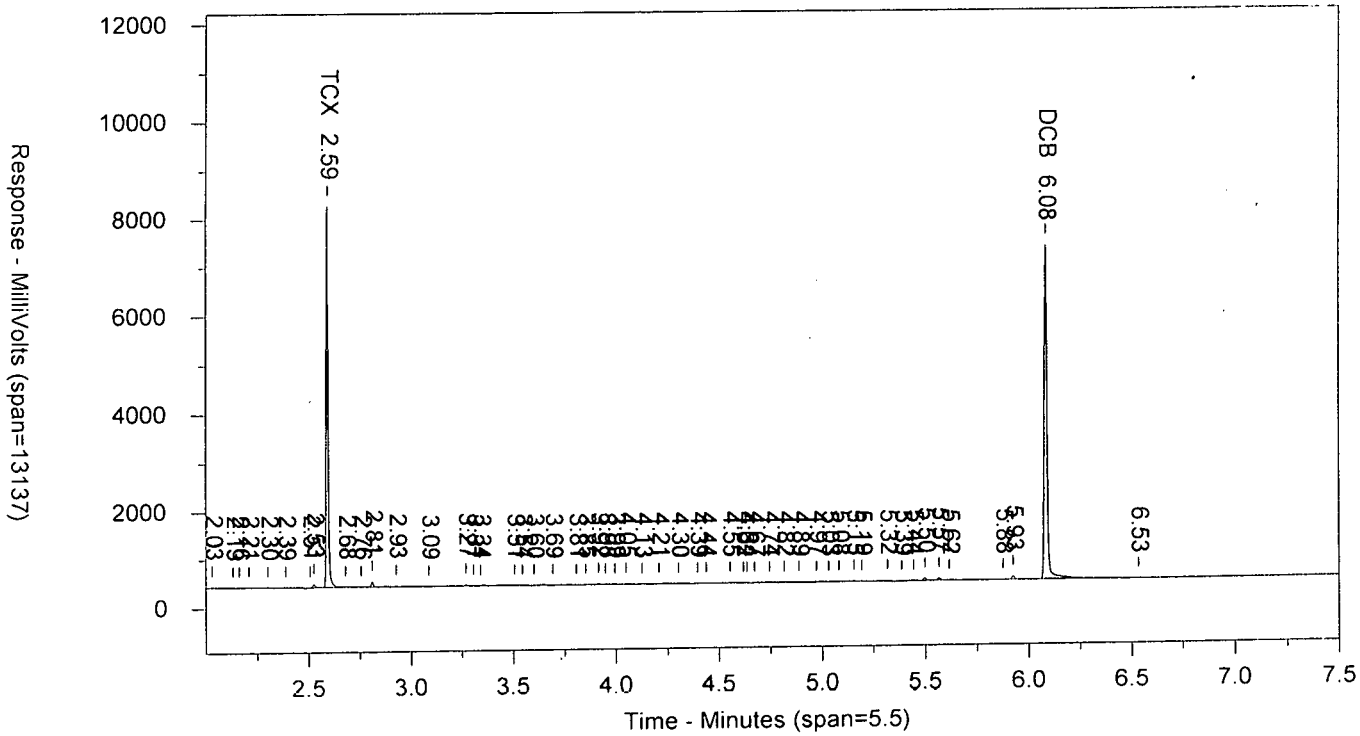

IBLKX1724B RUPIBLKRU PIBLK1728399999 10736 SW-846 8082

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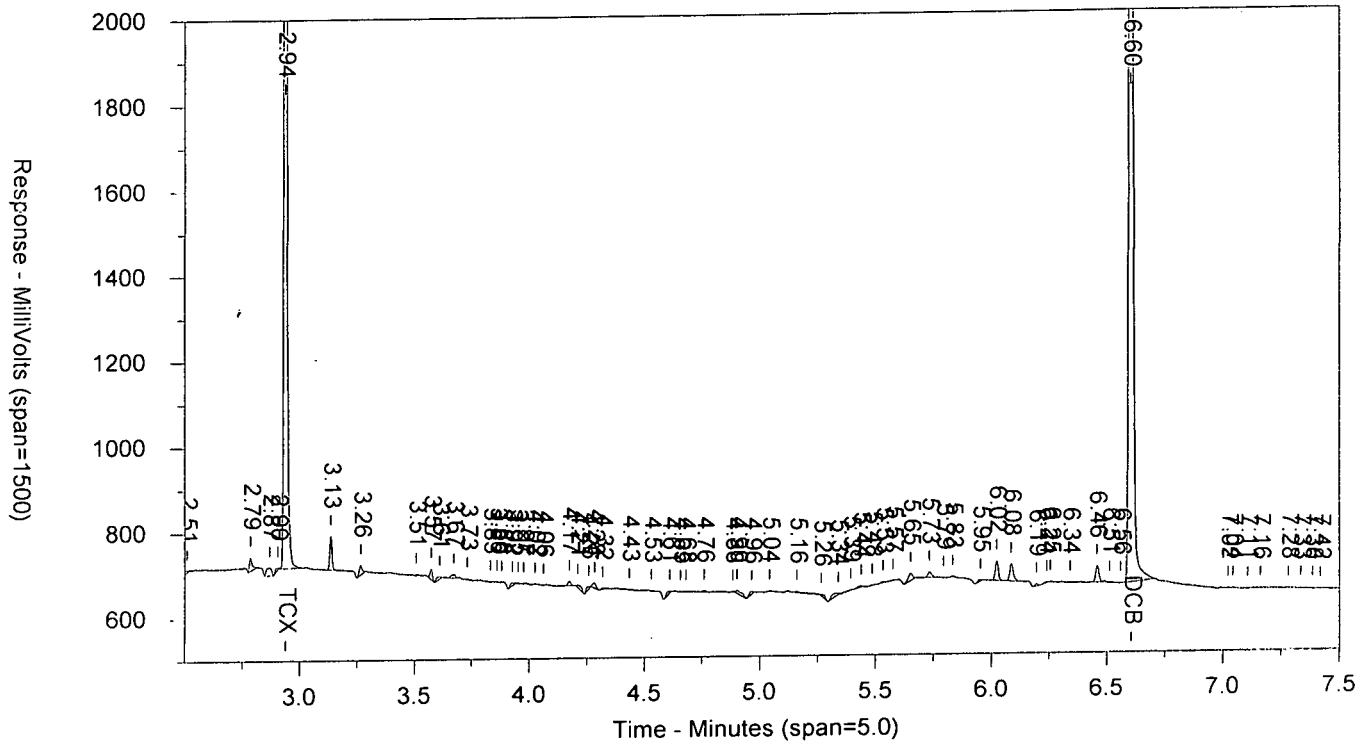

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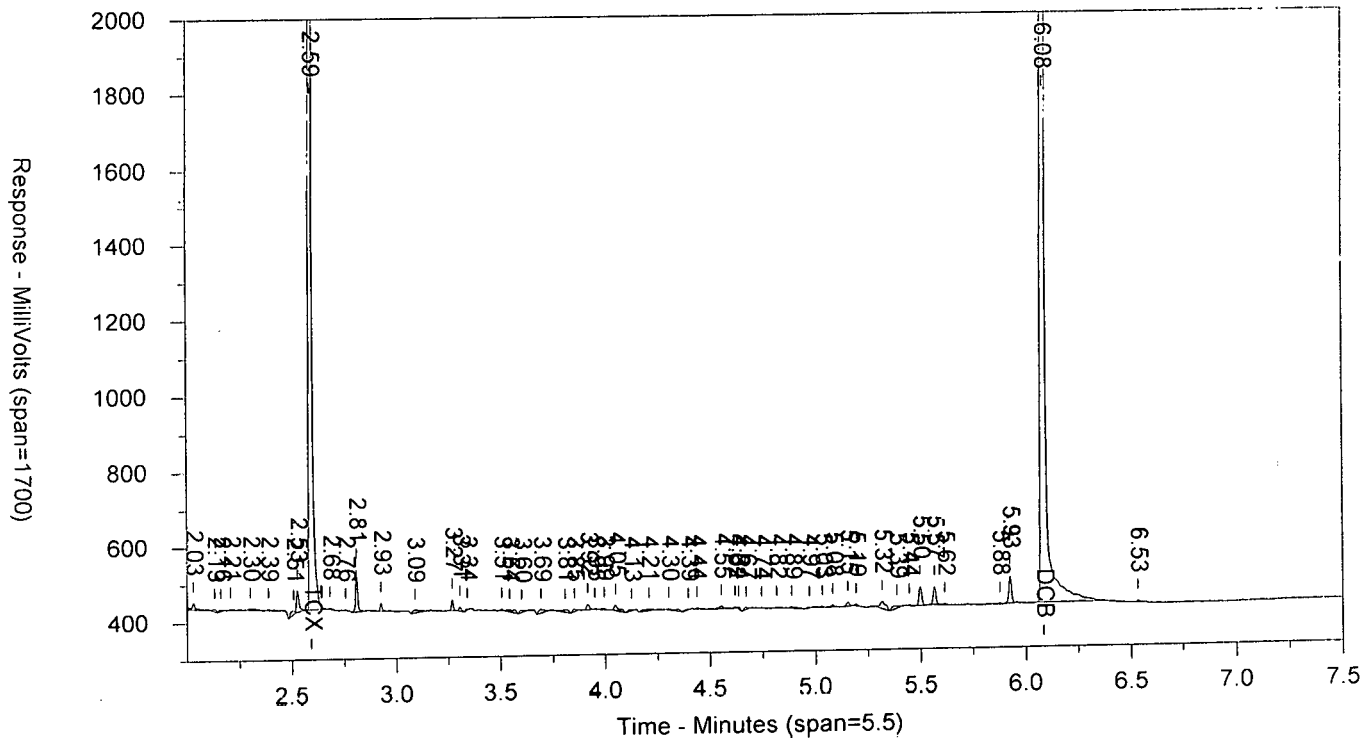

LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 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: 07PCBS17284001.0087.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.578		26705	27904
1.618		5229	13460
1.737		1943	1017
1.846		2303	4675
2.065		14984	42915
2.089		15989	22797
2.161		2976	1362
2.235		56301	34592
2.334		12658	5940
2.497		7107	7661
2.544		2909	1649
2.576		9530	5984
2.786		57668	43093
2.859		6195	4571
2.9		5960	4819
2.937	TCX	11376870	7564257
3.086		173243	155478
3.141		258151	247417
3.189		984525	730308
3.265		24325	16276
3.282		124581	79202
3.324		2424	1592
3.403		1055728	615343
3.42		524198	276225
3.457		129095	73439
3.472		19352	7012
3.484		77807	41087
3.517		1241006	916189
3.554		5483	2810
3.573		41609	25356
3.593		43166	27012
3.627		300600	172698
3.641		154344	77318
3.684		681161	375224
3.695		1340124	635074
3.732		1483258	1131363
3.79		1307766	984769
3.832		107630	74923
3.859		910632	655641
3.886		628083	528575
3.907		172930	83783
3.981		1026959	707406
4.006		369977	247390
4.037		404066	288517
4.071		1107194	1025274
4.11		346862	278846
4.157		53386	45248
4.196		77150	56493
4.23		1026656	749714
4.249		268571	145432
4.272		324527	247459
4.342		179333	151237
4.385		1153166	1095646

RT A	Compound A	Height A	Area A
4.418		38535	26537
4.479		10342	7435
4.522		104305	93645
4.573		155542	96000
4.59		279606	196635
4.634		724242	654262
4.683		1172248	1248065
4.72		259781	184117
4.758		2235708	2084410
4.802		7913	5362
4.844		343098	347667
4.878		19873	12426
4.905		385913	361040
4.957		2174718	2748063
5.008		459760	424429
5.048		1035424	1156522
5.09		7503	2612
5.129		227908	256832
5.161		2752160	2492962
5.184		117634	59634
5.202		30301	12433
5.228		1724121	1572376
5.271		1031547	983473
5.365		380664	314911
5.391		1492969	1412143
5.447		887643	819309
5.486		537503	545880
5.529		106607	111759
5.571		693569	773459
5.628		4843147	5523050
5.832		3063407	2935714
5.863		181807	110749
5.888		770293	878369
6.023		155597	151535
6.102		619040	858912
6.257		1165585	1201954
6.301		67555	59502
6.408		1463	457
6.458		350319	355686
6.604	DCB	7413610	7584365
7.005		1164	430
7.049		5425	5846
7.149		1744	1007
7.208		1083	386
7.392		1658	465
7.641		1258	574
7.803		1417	530
7.917		1286	366
8.015		1760	316
8.171		838	331
8.202		1582	628
8.225		1760	749
8.257		1340	493
8.302		1554	895
8.605		1832	1044

LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 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: 07PCBS17284001B.0087.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.53		3208	2308
1.746		2548	1641
1.831		1394	8634
1.903		111617	91238
1.967		14987	22834
2.03		35134	24937
2.134		8726	6975
2.162		4629	5119
2.276		18146	16356
2.387		4004	3167
2.506		8974	12141
2.525		83407	75980
2.591	TCX	18358540	11246110
2.635		85233	44879
2.763		306799	228470
2.809		190015	89572
2.824		281984	145999
2.876		1544297	975839
2.925		46533	26563
2.987		212907	136736
3.084		1975608	1900106
3.135		244170	147854
3.156		111852	62979
3.181		166949	93467
3.205		1886494	1255210
3.242		72704	43337
3.269		63762	31630
3.288		511800	262548
3.304		306605	146817
3.354		1003339	470512
3.363		2222246	886027
3.383		87115	32450
3.397		1932936	1303935
3.471		2125623	1315001
3.506		1459933	907393
3.529		1548882	869579
3.547		533989	269240
3.595		4276	3078
3.632		1862592	1181403
3.654		704681	377997
3.675		668567	388553
3.703		452178	229619
3.721		1536221	916884
3.761		558832	390653
3.81		71891	64001
3.831		375512	225519
3.854		1982969	1273160
3.878		433278	248953
3.897		67887	33196
3.917		256332	156640
3.952		1583293	1091658
3.985		69719	38963
4		123611	73403
4.048		7149	3432

4.061		9366	5023
4.095		108682	93681
4.152		426530	308019
4.193		485484	293529
4.212		434156	199425
4.225		1184491	666235
4.25		653370	677310
4.302		3723062	2711487
4.351		48234	34515
4.372		318778	204452
4.396		830360	591415
4.439		4440174	3384948
4.541		3239898	3328396
4.593		439872	357288
4.632		1016474	853433
4.668		4258462	3457403
4.7		2335373	1608153
4.738		1566178	1229149
4.837		496355	359301
4.855		57031	27666
4.888		2850159	2199040
4.91		315854	203110
4.962		1448151	1301135
4.997		732757	585518
5.028		575358	460234
5.06		176241	114106
5.082		6376092	5518658
5.124		126517	89304
5.154		260347	201871
5.274		79208	50208
5.298		1397607	1177709
5.344		4248303	4913978
5.498		191503	162339
5.545		91528	66338
5.567		134488	101353
5.616		825853	734178
5.725		1737127	1519942
5.757		82716	55970
5.925		602286	572462
6.047		2720	1687
6.084	DCB	14636840	13510200
6.537		10297	9826
6.607		1990	2037
6.772		4459	5150
8.164		9816	21217

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

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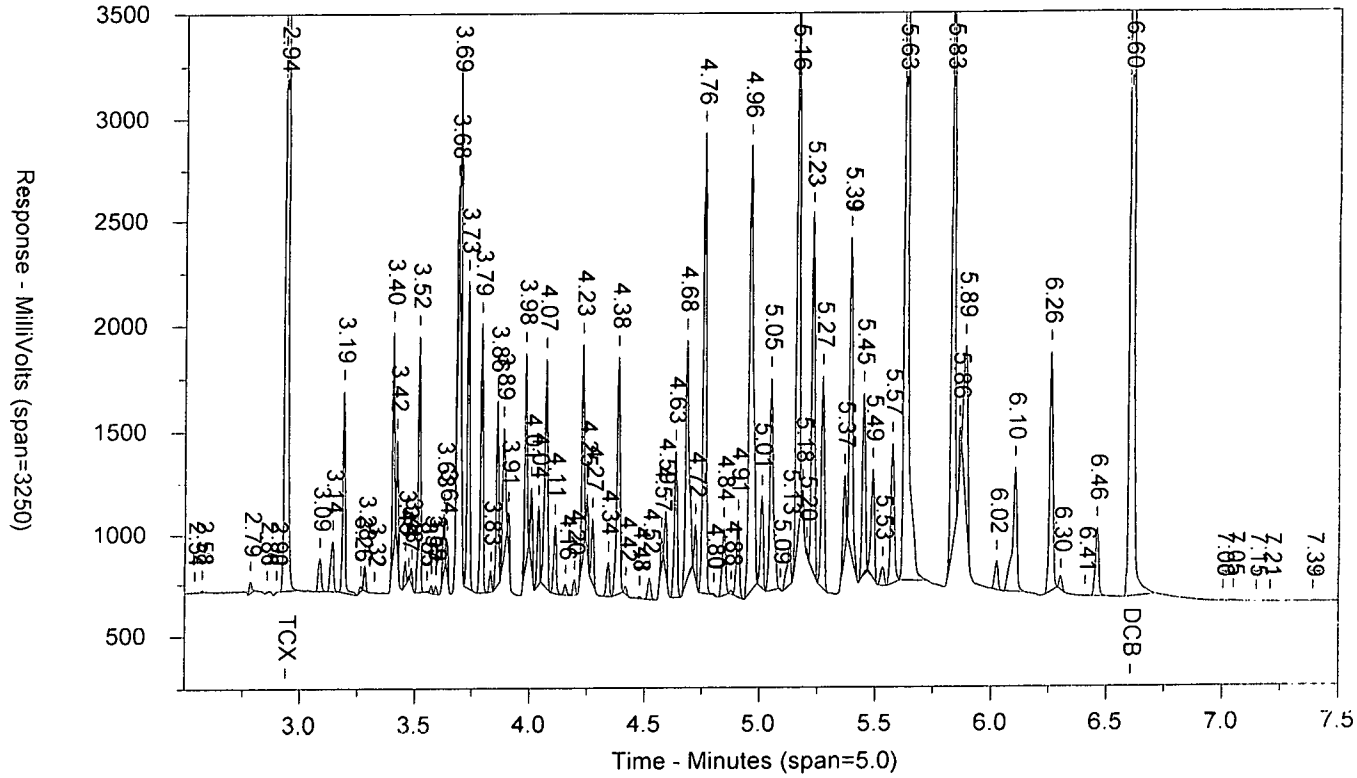

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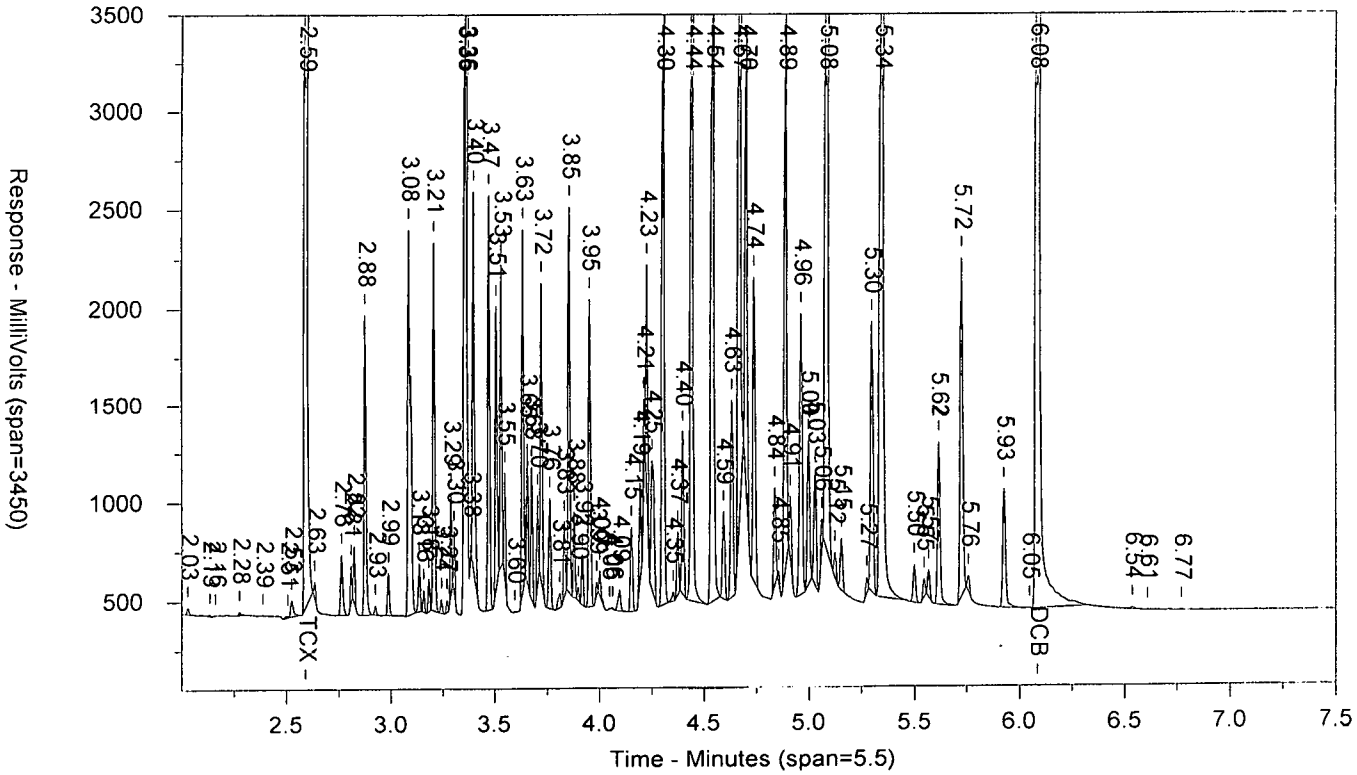

LANCASTER LABORATORIES

Sample Number: AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:26:02 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	11376870	41.503	TCX	2.591	18358540	44.288	TCX
6.604	7413610	36.74	DCB	6.084	14636840	38.665	DCB

Files:
Area File: 07PCBS17284001.0087.RAW
Area File: 07PCBS17284001B.0087.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:34:46 AM
File Reported On: 10/12/2017 at 11:34:56 AM

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

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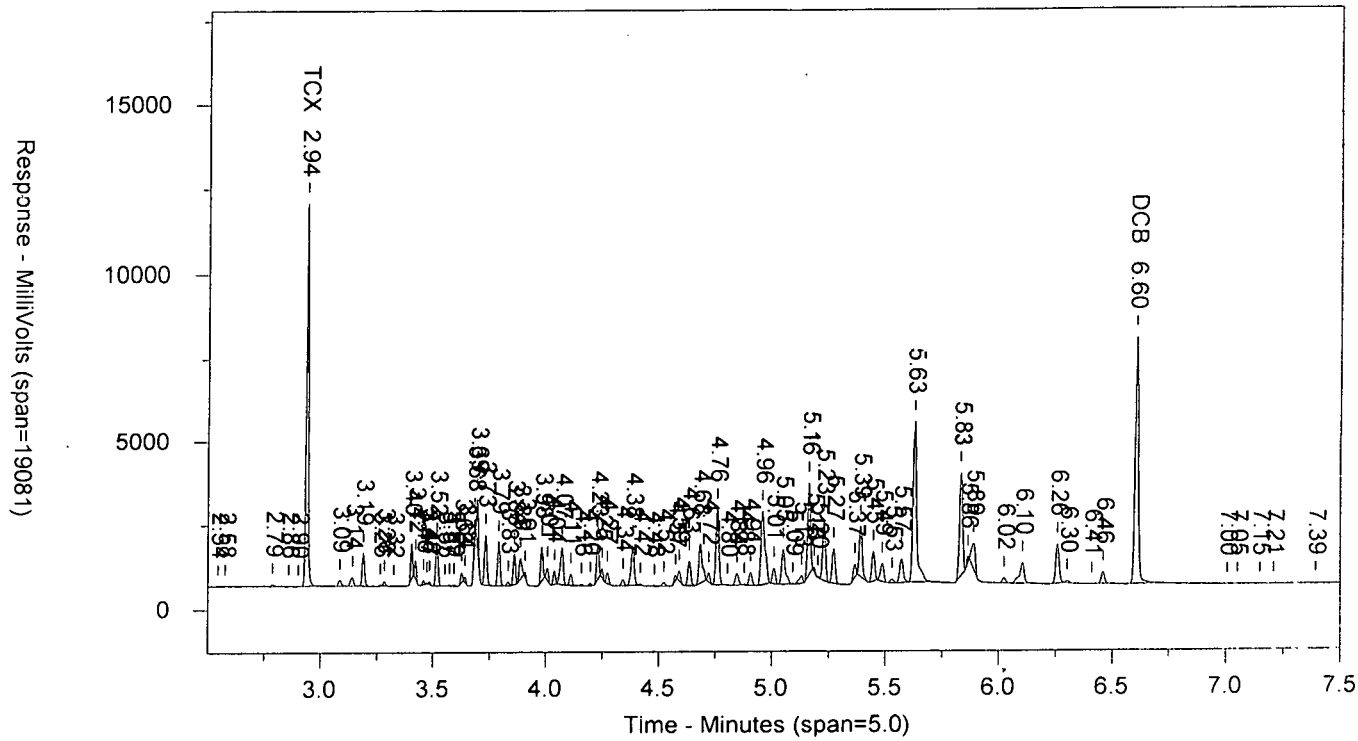

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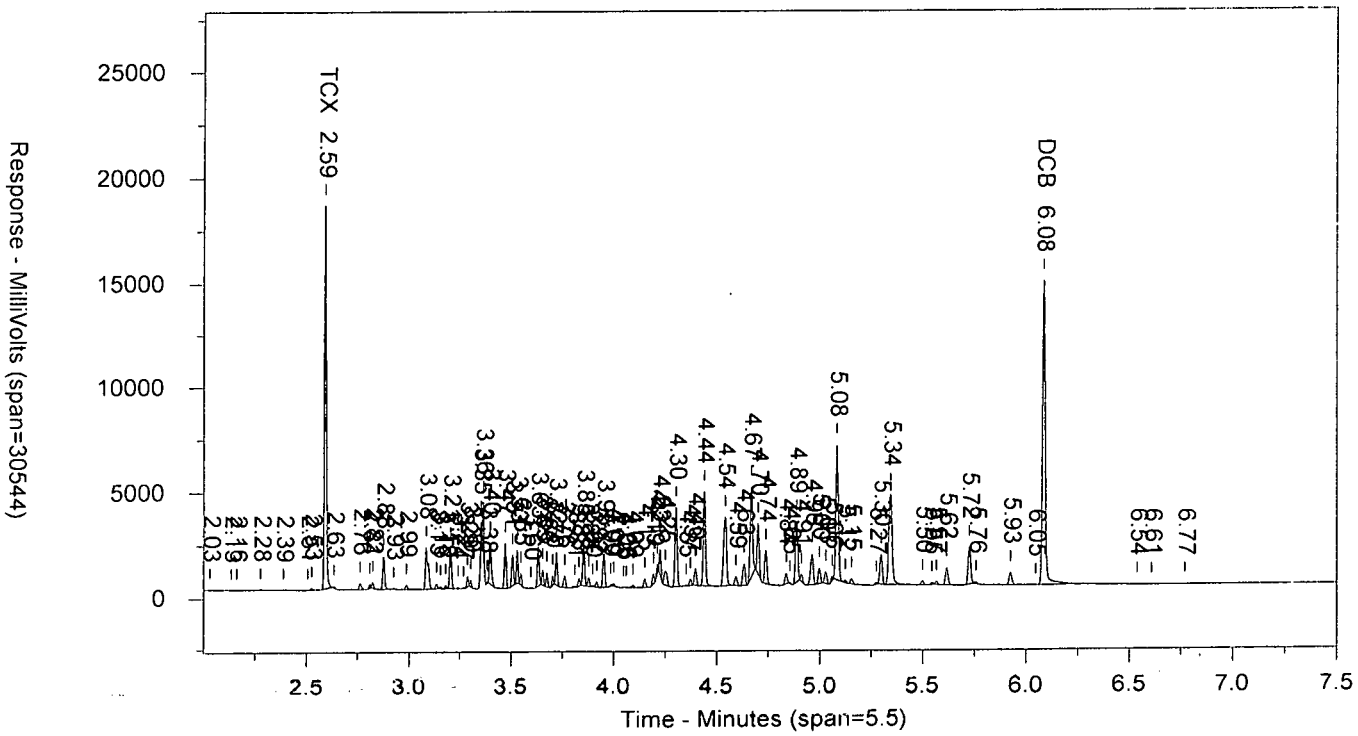

AR1641724B KWAR164KW CCAL 1728399999 10736 SW-846 8082

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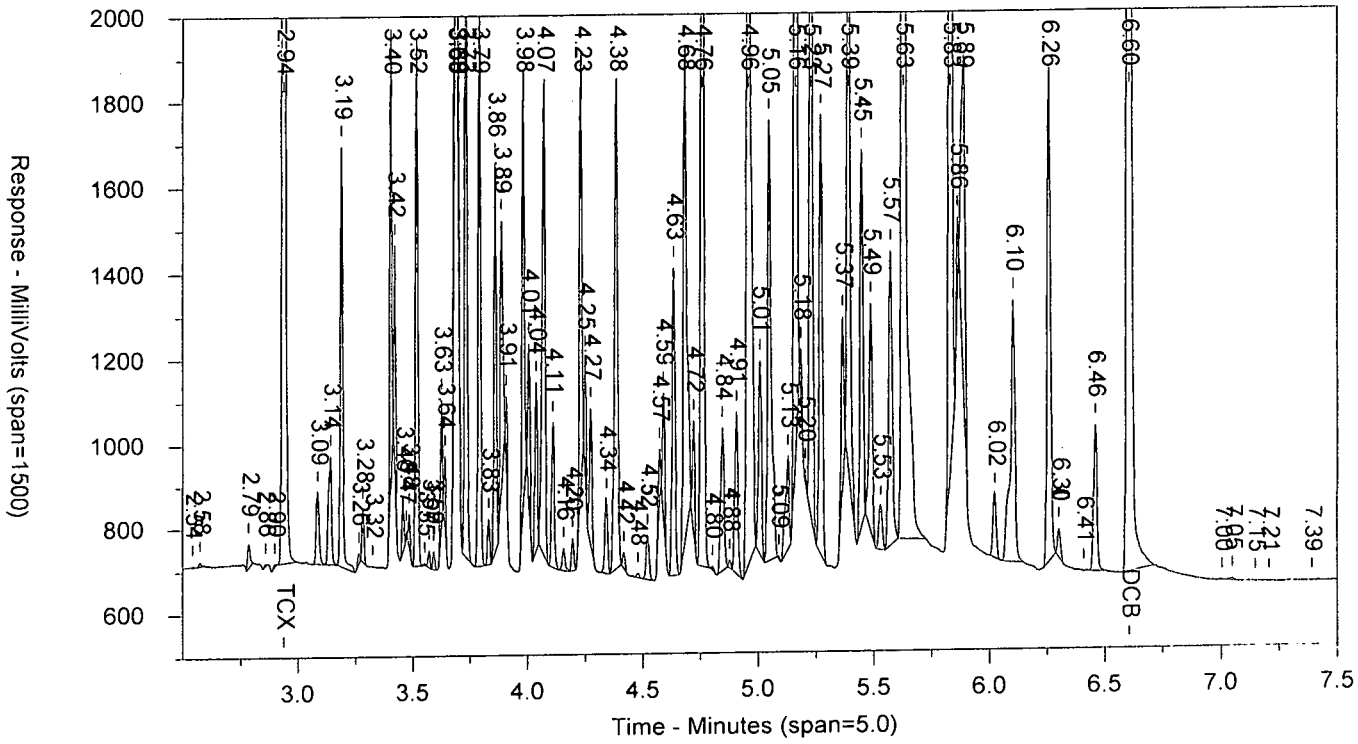

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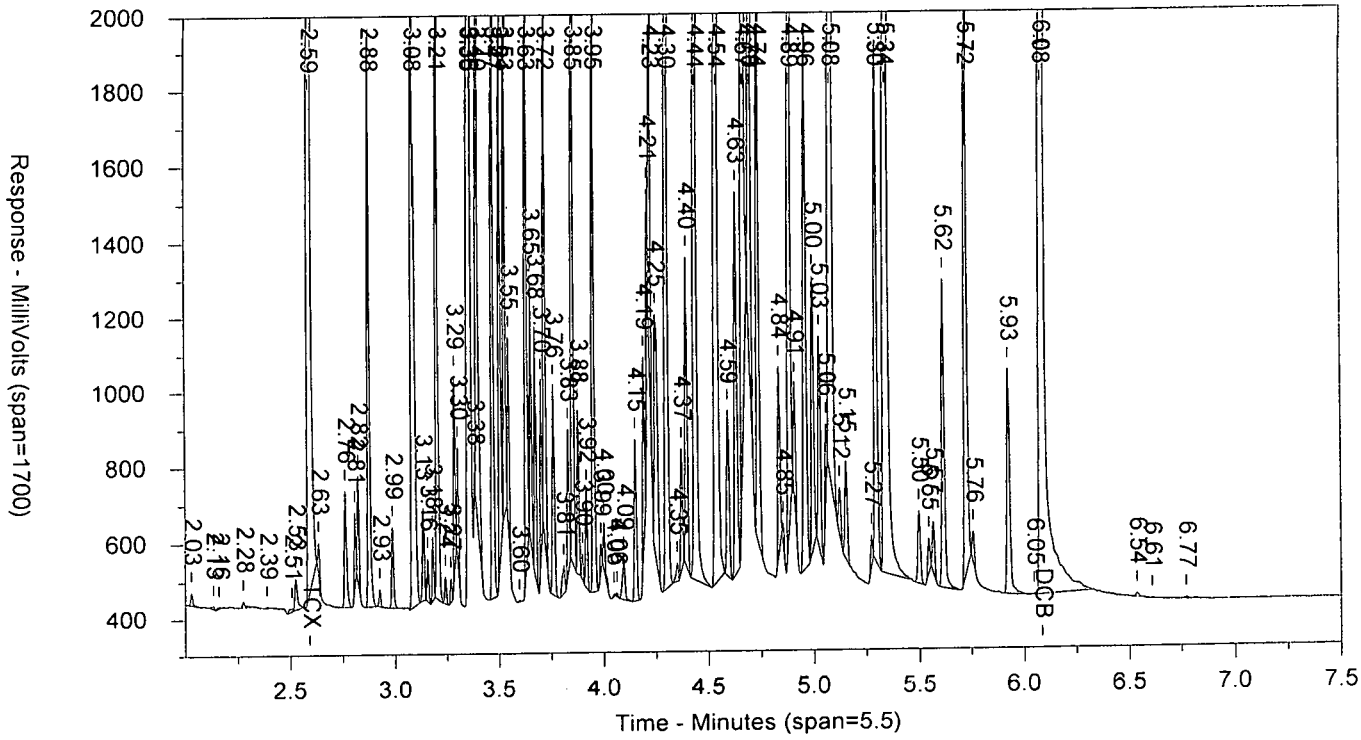

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001.0088.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.581		15178	17460
1.602		7278	9421
1.874		1653	831
2.062		11372	31137
2.09		6934	8442
2.167		2504	1792
2.235		26413	17957
2.333		34122	28292
2.493		7922	5683
2.542		3210	1374
2.693		1691	1911
2.787		8112	5671
2.861		15322	24101
2.903		5797	6785
2.937	TCX	5583595	3728596
3.134		81326	53010
3.264		24475	24698
3.511		5839	4673
3.573		28841	18632
3.605		3242	4051
3.646		1967	728
3.674		14417	15086
3.85		1158	1320
3.88		1057	299
3.892		4803	3849
3.921		1813	1015
3.942		1005	426
3.987		2116	1989
4.025		1885	1735
4.06		1839	635
4.138		1957	1275
4.173		11255	10336
4.222		4280	2976
4.255		5092	4484
4.283		11022	12086
4.313		1669	533
4.321		1807	518
4.515		1456	876
4.606		5814	7480
4.743		1229	352
4.757		3241	1650
4.876		1821	1008
4.904		6893	12112
4.963		4436	5987
4.991		1716	1641
5.04		1551	1246
5.099		1276	381
5.122		3591	2926
5.161		5093	4916
5.326		2266	6510
5.393		2317	5101
5.433		4328	7007
5.492		1754	2920

RT A	Compound A	Height A	Area A
5.533		2782	3423
5.577		2300	3233
5.601		4518	3589
5.649		16032	21339
5.685		1473	316
5.705		1440	577
5.733		14145	16588
5.832		4771	3709
5.954		3144	5173
6.022		45521	43136
6.085		38924	39623
6.13		1552	640
6.194		7234	5666
6.257		3458	6028
6.304		1832	1480
6.337		1410	1042
6.386		2148	939
6.456		39756	37942
6.485		2562	2489
6.549		1508	394
6.603	DCB	3706717	3779212
7.002		1568	667
7.049		2331	1678
7.137		1242	537
7.192		1543	811
7.289		2017	2982
7.378		1299	999
7.406		1623	579
7.467		1679	580
7.523		1497	440
7.553		1587	617
7.599		1316	337
7.727		1186	351
7.75		1559	641
7.79		1404	725
7.842		1708	1131
7.891		1212	569
7.993		1184	339
8.029		1393	370
8.047		1763	839
8.138		1193	386
8.256		1715	882
8.436		1271	638
8.508		1833	332
8.572		1410	2037

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17284001B.0088.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.531		2830	2381
1.558		4370	3444
1.704		4532	9771
1.723		4475	2265
1.749		4266	4037
1.798		3558	2886
1.901		83277	69477
1.967		9294	15336
2.03		18387	16250
2.126		4205	5638
2.16		4216	4949
2.215		3255	4274
2.302		4438	13560
2.388		6799	8212
2.509		5410	11218
2.525		13800	11344
2.592	TCX	9191549	5620498
2.755		4358	5005
2.809		124561	82963
2.926		25418	15882
3.098		5785	13736
3.163		3852	2939
3.27		42157	27079
3.306		19189	12510
3.336		4735	2438
3.363		5594	5600
3.43		4240	2723
3.505		3081	2260
3.597		3473	3420
3.635		3446	9637
3.691		4062	5622
3.856		5617	8112
3.918		17452	15265
3.953		3095	1573
3.994		4630	5412
4.049		15715	18985
4.147		4967	11226
4.214		4353	11878
4.303		5094	3735
4.44		5409	5395
4.555		8582	12642
4.592		1972	1548
4.618		2114	1730
4.668		7887	8829
4.701		2511	2290
4.819		3127	3298
4.889		4051	2960
4.957		2152	1534
5.032		4306	3459
5.083		6577	5263
5.154		12612	10764
5.193		4781	6897
5.317		25469	48383
5.429		1659	36460

5.498		52870	47393
5.567		48347	43662
5.615		3818	3365
5.724		2911	2720
5.925		71335	63941
6.084	DCB	6993680	6805570
6.536		5437	4580
8.073		1866	3713
8.164		10542	23455

IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082

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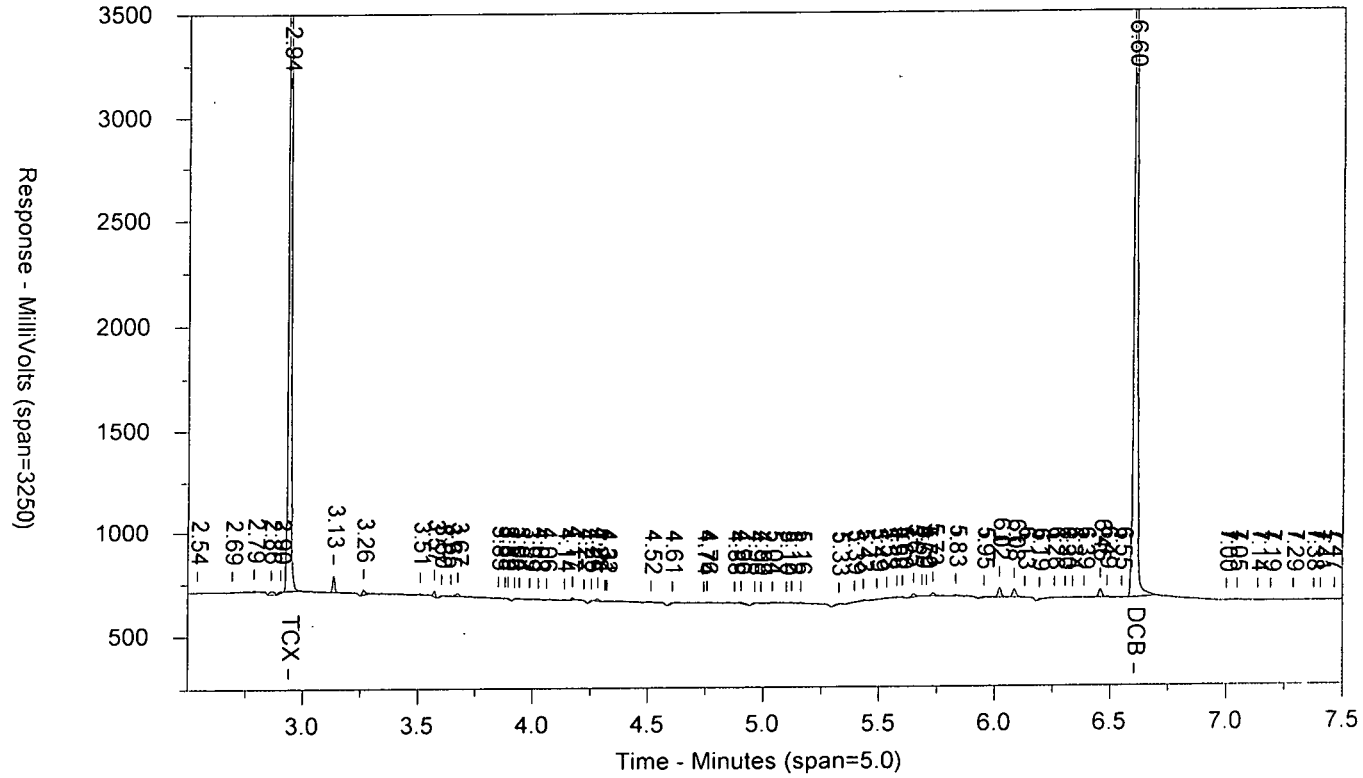

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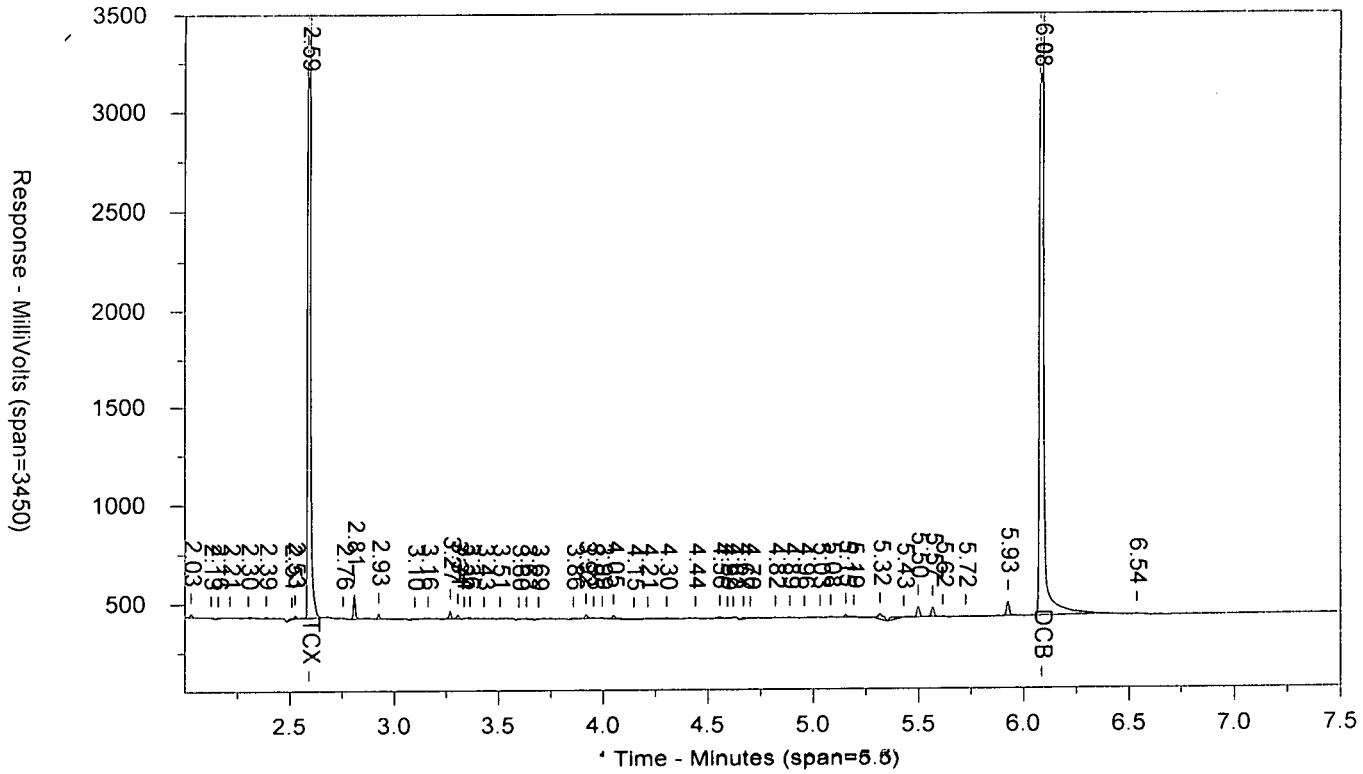

LANCASTER LABORATORIES

Sample Number: IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082
Injected On: 10/12/2017 11:37:29 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	5583595	.204	TCX	2.592	9191549	.222	TCX
6.603	3706717	.184	DCB	6.084	6993680	.185	DCB

Files:
Area File: 07PCBS17284001.0088.RAW
Area File: 07PCBS17284001B.0088.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 11:46:11 AM
File Reported On: 10/12/2017 at 11:46:24 AM

IBLKX1724B RVPIBLKRV PIBLK1728399999 10736 SW-846 8082

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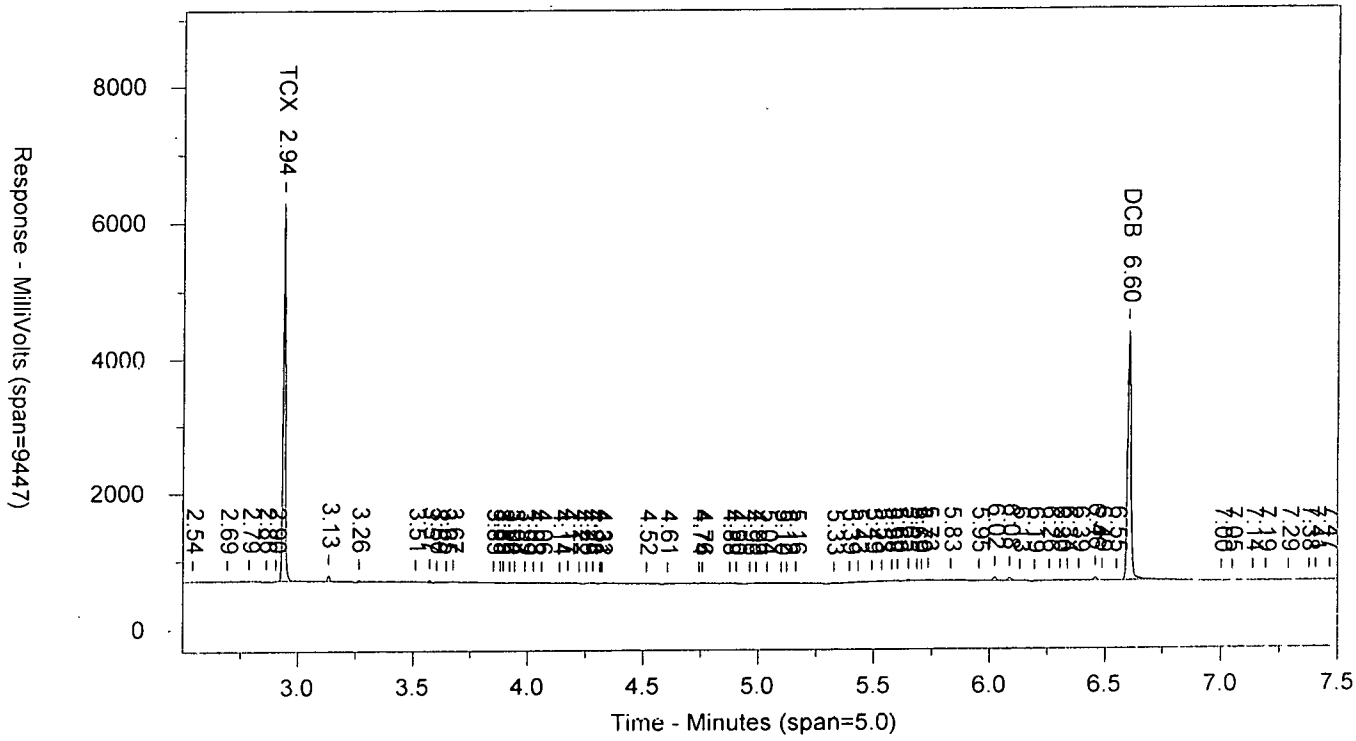

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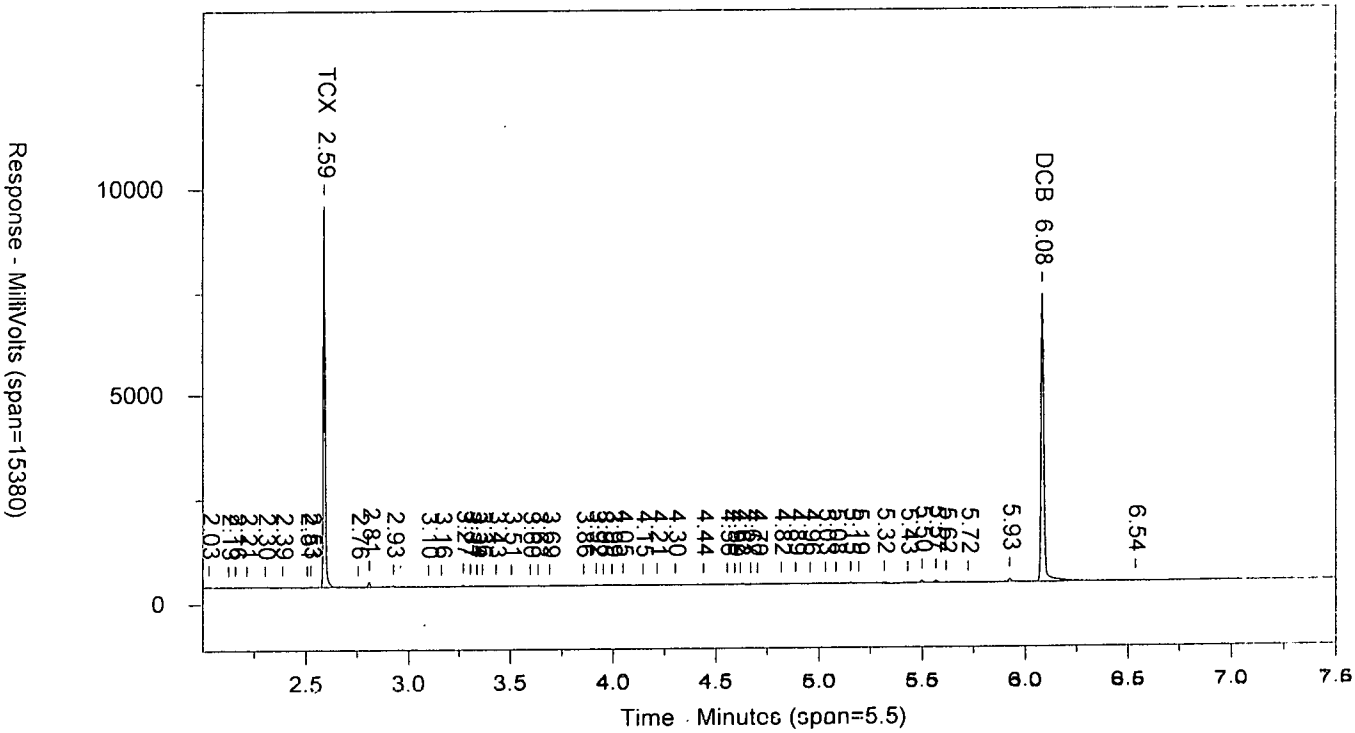

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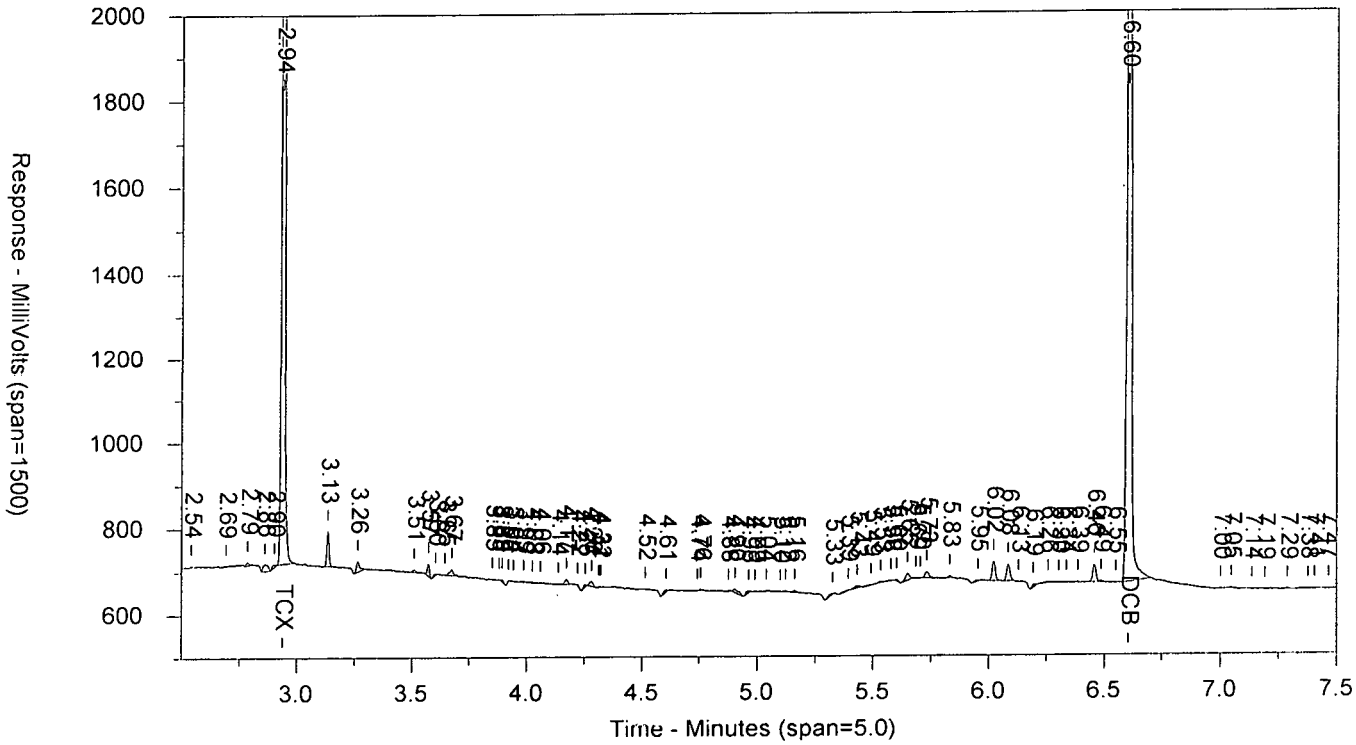

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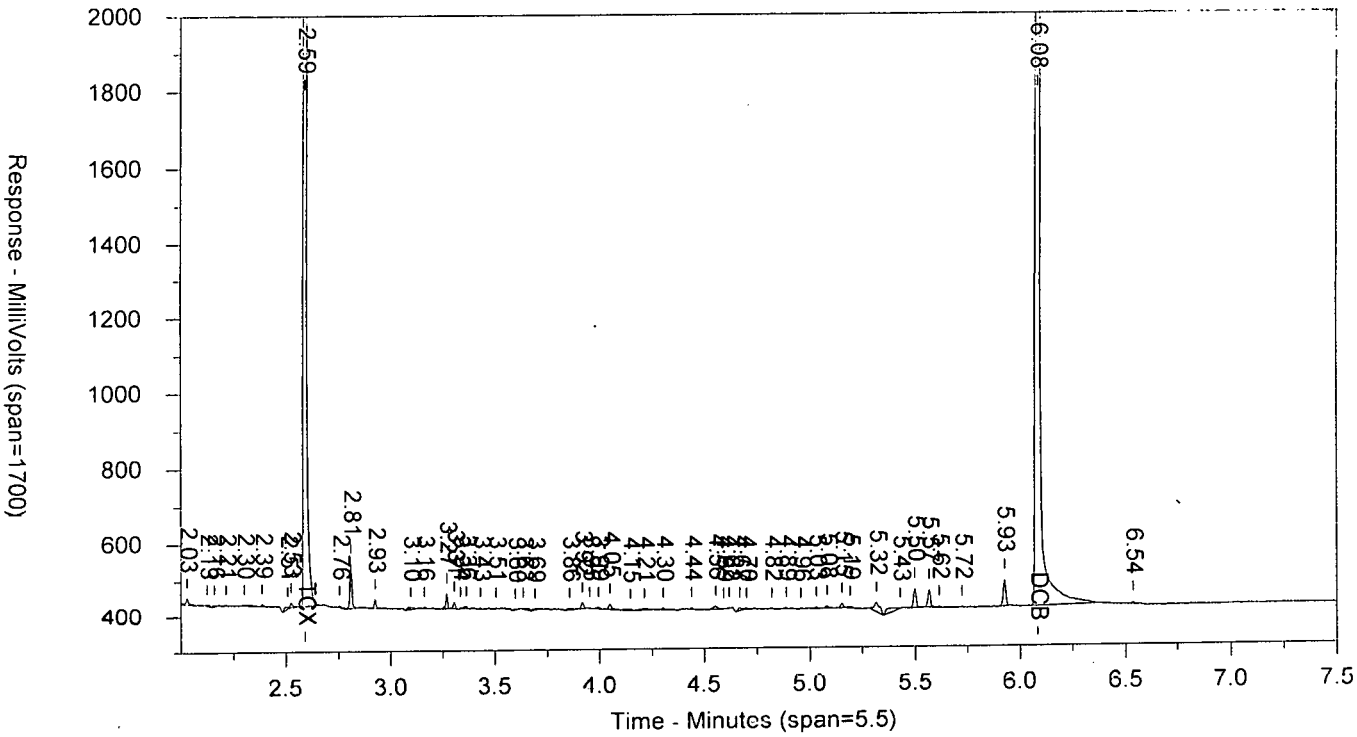

LANCASTER LABORATORIES

Sample Number: AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 2:55:06 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: 25pcbs17289010.060.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.033		4227	4364
2.079		18248	39478
2.157		1137	1099
2.228		28772	23182
2.328		22727	21782
2.364		3290	3083
2.391		667	648
2.485		5196	6767
2.532		805	699
2.565		6109	4573
2.649		753	665
2.67		413	255
2.707		547	310
2.748		1456	1631
2.776		12627	11028
2.842		1525	1303
2.872		488	379
2.891		1884	1447
2.928	TCX	6392018	4461856
3.019		1279	1348
3.074		86477	73541
3.129		144434	132975
3.177		514061	375347
3.255		8952	4631
3.271		59836	37896
3.312		1556	1133
3.362		635	271
3.393		517899	309867
3.41		242606	127252
3.446		63322	37559
3.462		5386	2056
3.473		38180	19322
3.507		650363	495573
3.544		2583	1358
3.563		7359	4198
3.582		20019	12063
3.617		139270	80844
3.631		71174	35383
3.674		313558	166228
3.685		699249	354949
3.722		778384	602666
3.779		706522	532502
3.82		52656	37119
3.849		434276	329707
3.876		296035	247547
3.898		82726	46743
3.971		512310	360529
3.995		173733	115906
4.027		195691	138026
4.06		548617	520214
4.099		168472	138793
4.147		19379	14114
4.163		3072	1426
4.186		29989	21766

RT A	Compound A	Height A	Area A
4.22		461302	339288
4.237		87295	43617
4.261		145619	112965
4.332		80121	65530
4.375		499878	506028
4.409		13890	9984
4.45		496	211
4.47		4451	3472
4.512		42452	41020
4.562		64134	42830
4.579		128457	91227
4.623		334283	308593
4.672		494565	551860
4.708		108544	77336
4.748		1152408	1074575
4.792		6148	4704
4.834		199292	205135
4.866		11759	7781
4.895		211181	204158
4.946		1392486	1755164
4.998		277847	256733
5.037		645222	740905
5.079		3986	1836
5.117		136966	164974
5.15		1724965	1805340
5.192		17268	7619
5.219		788888	772240
5.261		503184	505601
5.355		223502	178379
5.38		902109	793467
5.437		465062	442258
5.475		267861	271779
5.517		47514	54363
5.558		302404	355084
5.616		2419251	2528691
5.711		2298	3225
5.767		888	1269
5.821		1467770	1374363
5.851		91049	58259
5.876		323983	354476
5.92		980	820
5.959		2625	2551
6.012		76765	77437
6.091		291330	397496
6.202		866	1760
6.246		607080	615473
6.291		45155	43144
6.343		549	290
6.361		489	248
6.377		1523	1177
6.45		192385	202030
6.521		2212	4302
6.598	DCB	4859816	4952445
6.665		2330	2657
6.696		773	150
6.704		1129	396
6.748		698	1694
6.771		1432	1363
6.845		754	1161
6.881		11087	15711
6.944		1014	888

LANCASTER LABORATORIES

Sample Number: AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 2:55:06 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: 25pcbs17289010B.060.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.053		21795	16236
2.12		3406	11334
2.199		2686	5188
2.231		7381	10079
2.298		11505	7846
2.36		5632	6511
2.412		1905	2564
2.468		3055	7888
2.532		2295	1066
2.546		25697	21999
2.613	TCX	12070390	6948614
2.657		82815	58626
2.784		180942	121220
2.831		111697	53063
2.845		170621	85045
2.897		936137	578665
2.947		29142	16576
3.008		130056	79227
3.052		1103	837
3.072		964	443
3.084		1182	328
3.104		794737	392777
3.115		254631	94654
3.155		149933	91995
3.176		68997	38765
3.202		110471	61417
3.225		1189309	780838
3.262		43268	25104
3.29		11921	6060
3.309		321701	166758
3.324		192954	91484
3.35		2340	999
3.374		616058	320840
3.383		1582070	639949
3.404		53432	18248
3.418		1268881	864129
3.474		482	68
3.491		1437456	885454
3.527		995897	598338
3.55		1035762	577214
3.568		363053	181871
3.654		1245068	814998
3.676		475453	258237
3.697		445676	264230
3.726		301182	148799
3.743		1078964	635211
3.783		383837	274987
3.831		51771	42568
3.853		281820	171462
3.875		1412521	903065
3.9		287384	174617
3.919		46118	21442
3.938		181202	113819
3.973		1151748	791760

RT B	Compound B	Height B	Area B
4.007		49010	28495
4.022		89567	55215
4.084		11296	11894
4.117		80756	67243
4.139		2352	608
4.149		2753	1170
4.174		314811	217940
4.216		312396	191133
4.235		224026	115888
4.247		837460	454731
4.274		459824	471129
4.325		2747883	2025009
4.373		34906	26571
4.395		242333	158708
4.419		564973	426167
4.461		3324203	2505953
4.526		1847	1147
4.563		2600627	2410063
4.616		316527	255836
4.654		720607	600663
4.691		3115832	2596386
4.722		1670949	1132904
4.761		1075726	853224
4.833		10416	7685
4.861		310192	229885
4.877		33006	16777
4.911		2012196	1572018
4.935		259626	165418
4.984		1033690	900374
5.02		517299	404480
5.049		401781	319640
5.082		169183	95625
5.104		4888476	4043671
5.145		97874	72543
5.177		204483	167215
5.219		1775	1060
5.256		3151	2454
5.295		54227	33760
5.319		1041159	849814
5.363		3558847	3728075
5.434		1607	933
5.461		1851	1218
5.483		2481	1472
5.518		178061	151623
5.564		87006	61733
5.586		153105	110991
5.635		722413	577057
5.67		2121	1853
5.742		1671232	1386748
5.773		104315	76585
5.843		3659	4661
5.874		1955	967
5.897		2827	2902
5.94		572014	493135
5.972		4332	2417
5.993		2321	1435
6.036		695	1298
6.057		1757	1255
6.098	DCB	15687360	13536850
6.213		2940	3341
6.234		3069	3670
6.274		3528	3569
6.337		1125	2576
6.368		2100	2485
6.385		1317	659
6.437		2851	5177

RT B	Compound B	Height B	Area B
6.508		3225	6132
6.548		17489	15011
6.581		1154	221
6.596		1026	716
6.632		1113	1807
6.654		1247	598
6.669		2468	1853
6.687		1539	627
6.724		4401	6784
6.76		2411	1511
6.796		1306	1325
6.809		1285	561
6.83		2322	1615
6.854		1239	321
6.877		1186	388
6.916		1717	1212
6.935		1758	732

AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082

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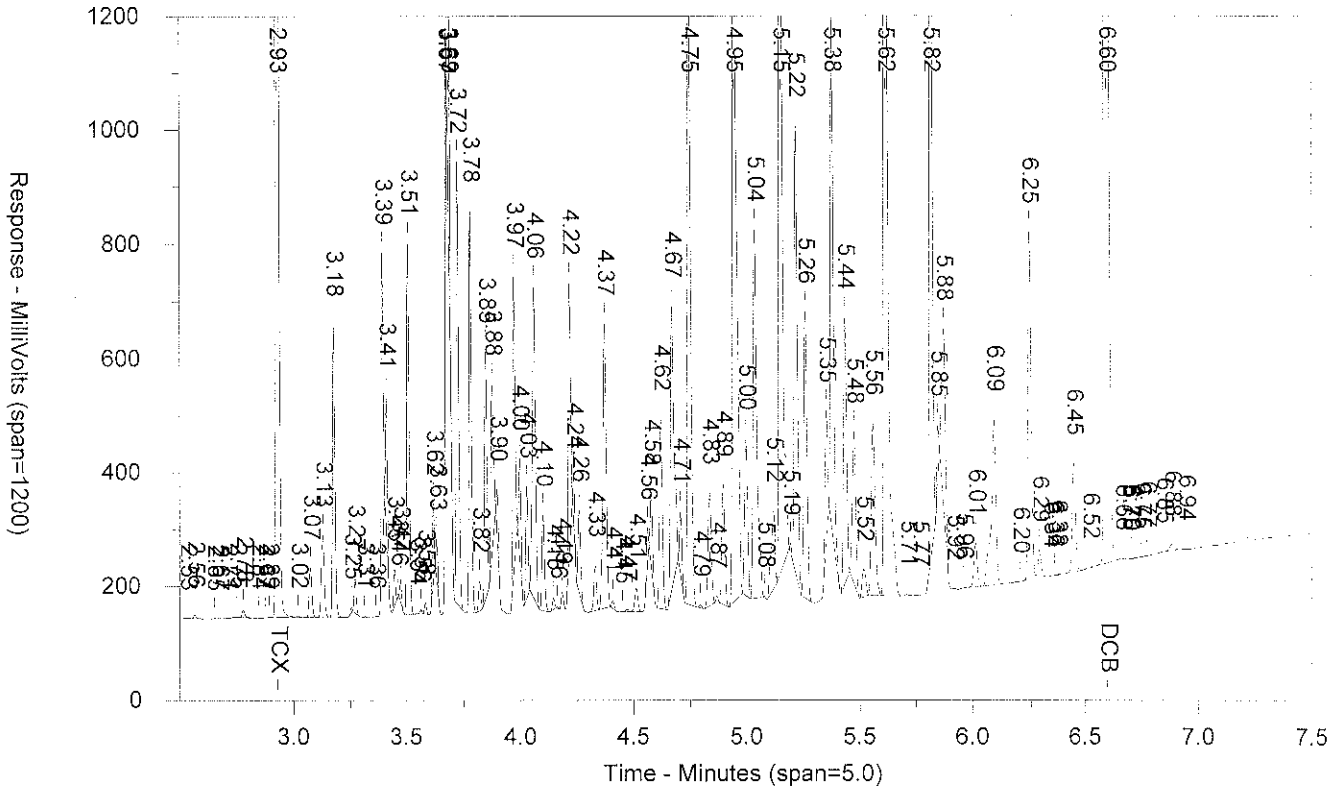

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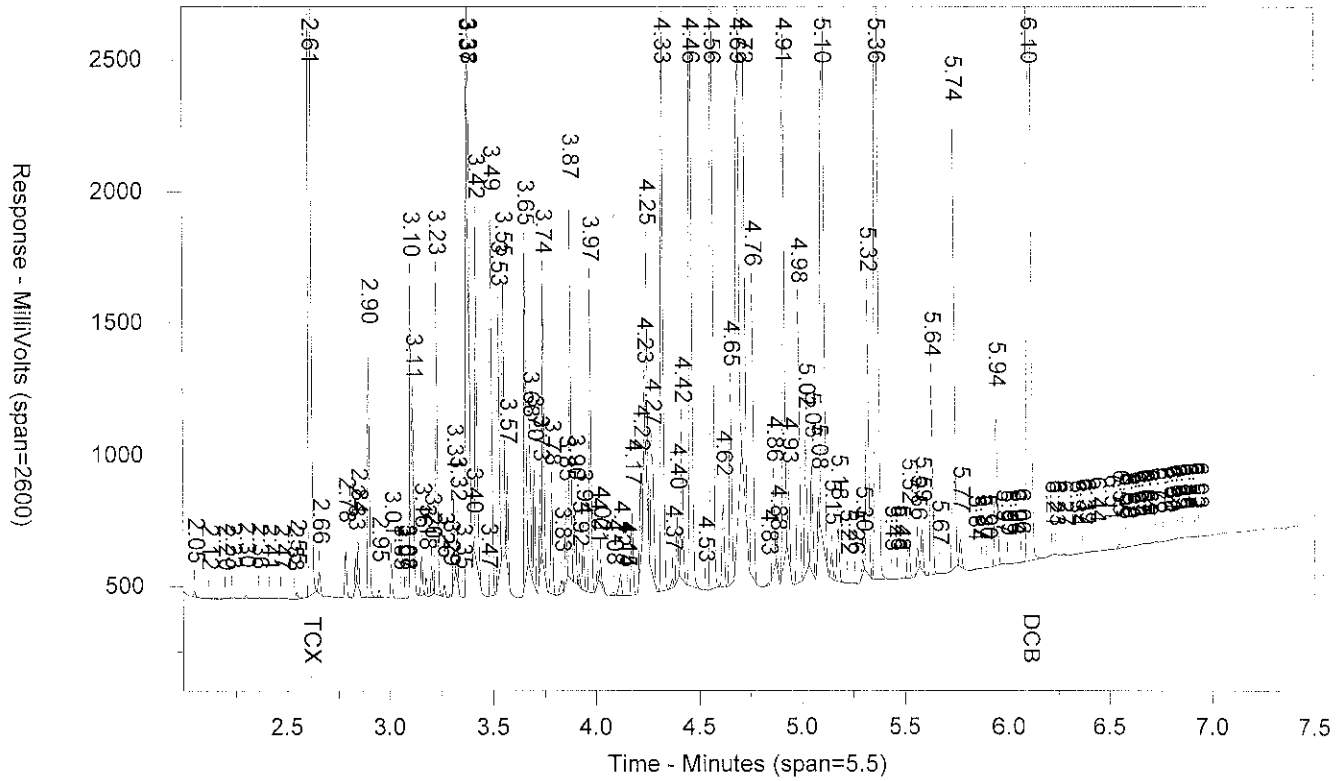

LANCASTER LABORATORIES

Sample Number: AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 2:55:06 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
2.928	6392018	43.576	TCX	2.613	12070390	45.367	TCX
6.598	4859816	42.535	DCB	6.098	15687360	42.372	DCB

Files:
Area File: 25pcbs17289010.060.RAW
Area File: 25pcbs17289010B.060.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 3:03:39 AM
File Reported On: 10/30/2017 at 3:03:47 AM

AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082

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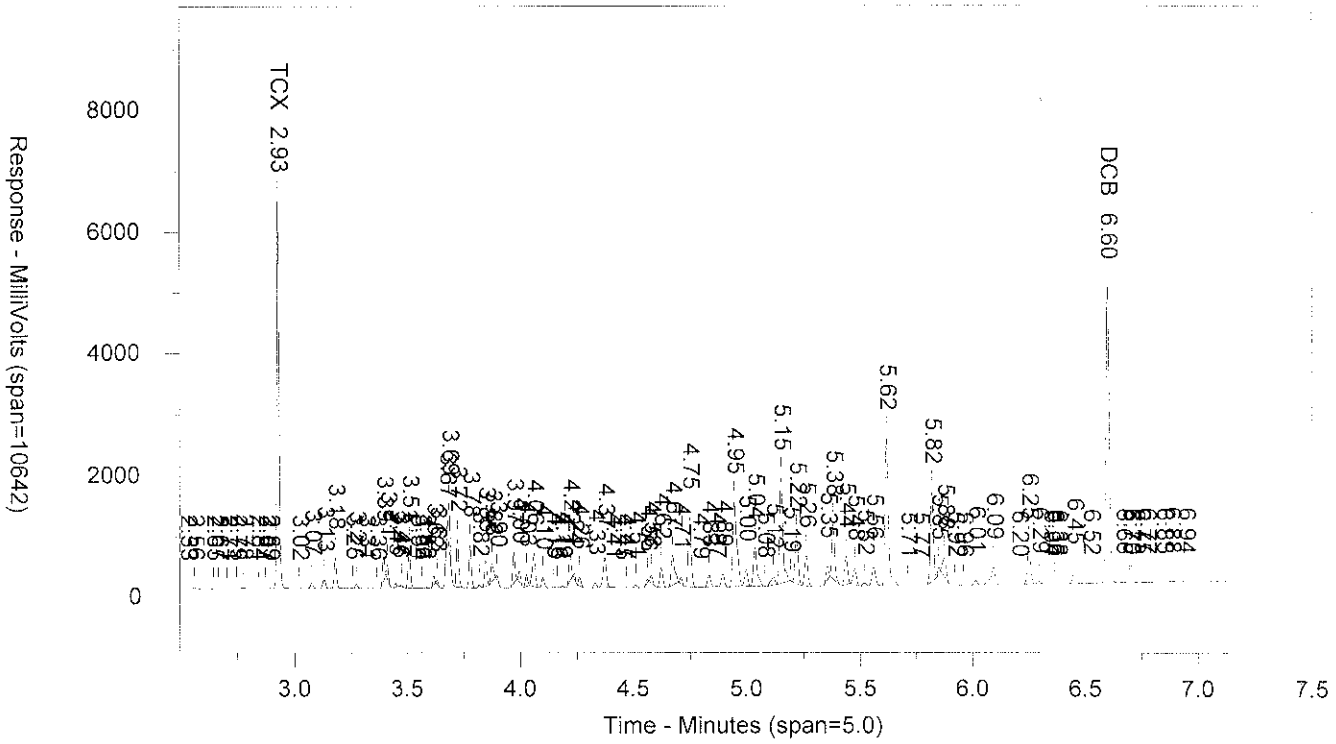

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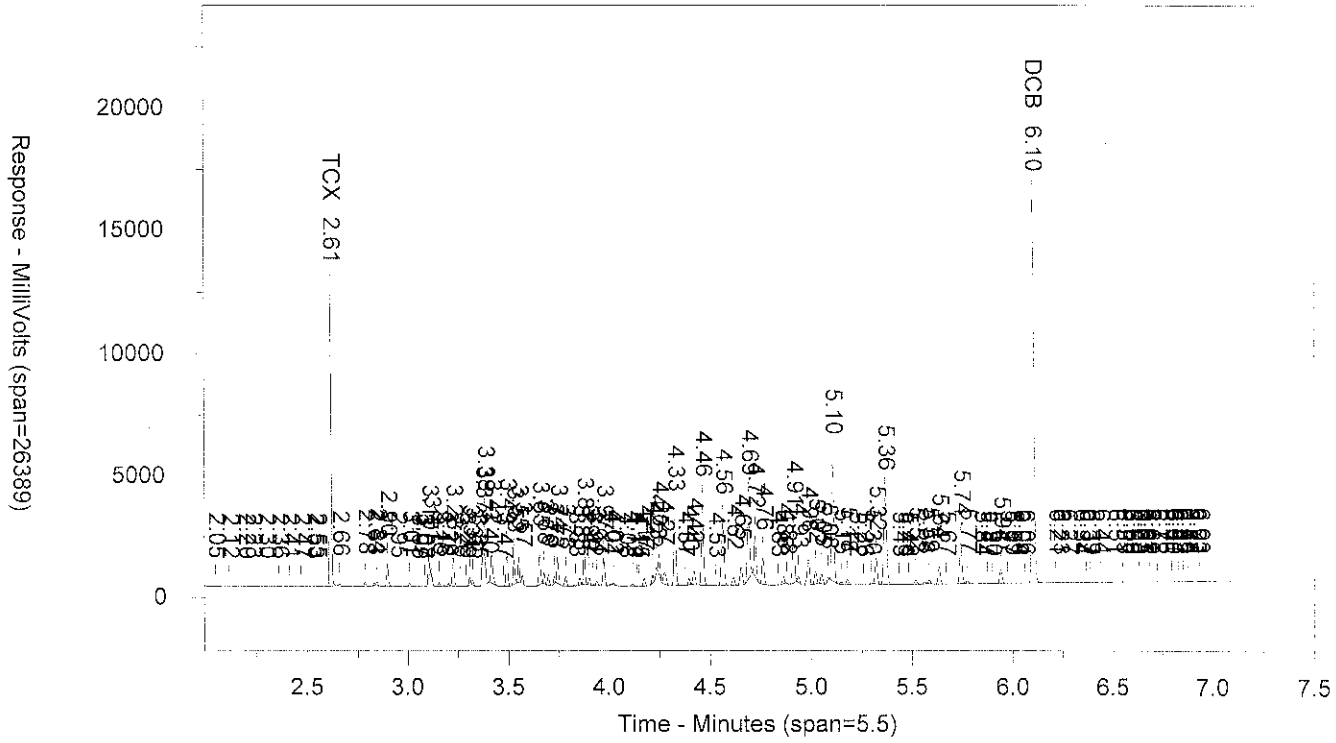

AR1641724B SGAR164SG CCAL 1730199999 10225 SW-846 8082

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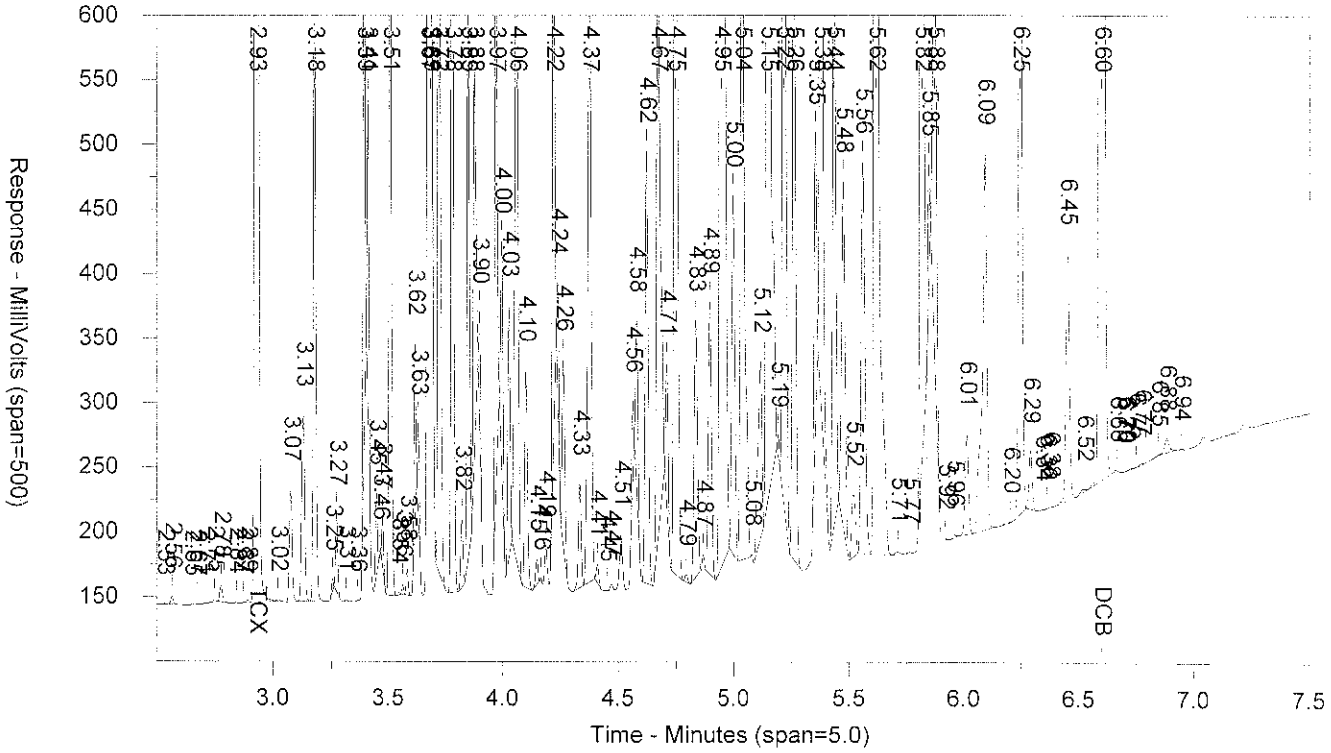

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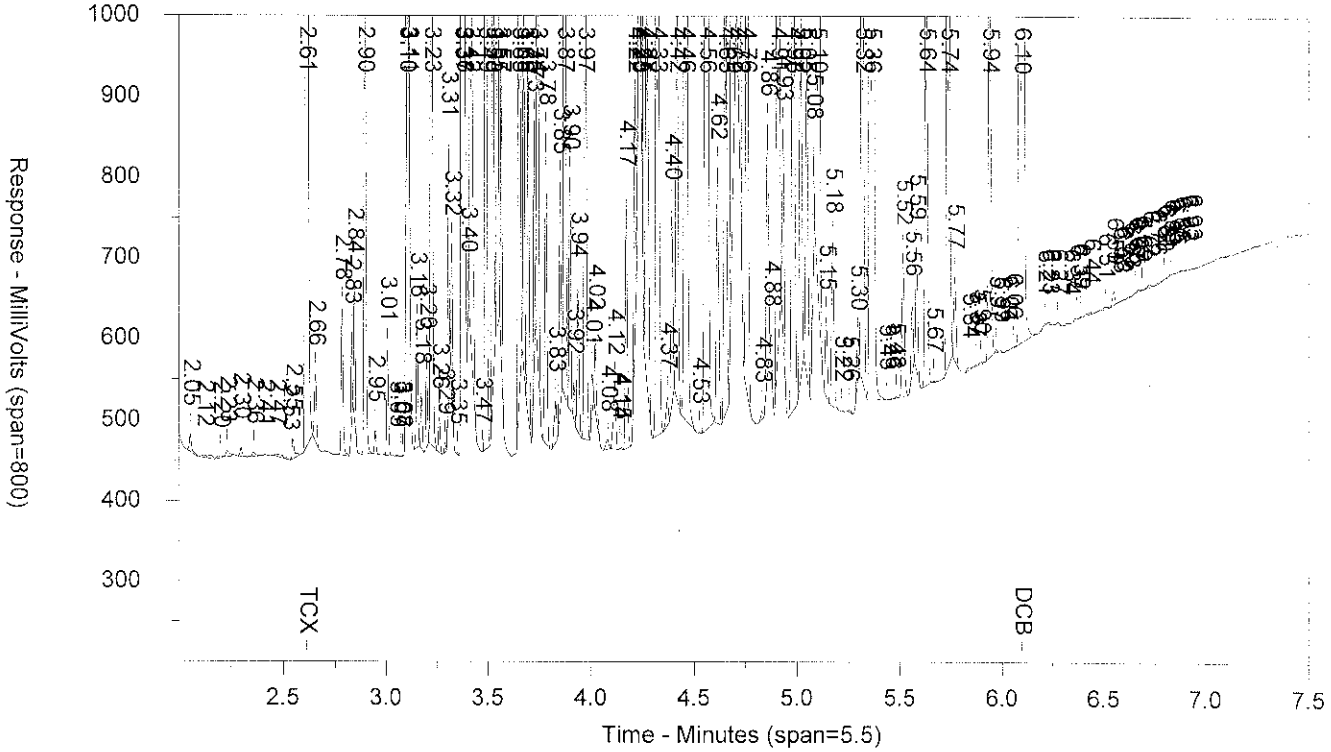

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 3:06:33 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: 25pcbs17289010.061.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.032		8027	9837
2.079		25442	57750
2.202		467	230
2.228		14448	11841
2.298		647	663
2.328		13399	12042
2.366		3743	3788
2.486		7519	9344
2.559		593	392
2.65		1363	1190
2.689		384	364
2.714		376	152
2.747		1776	2351
2.775		22468	20907
2.851		533	209
2.872		689	371
2.893		3697	2698
2.928	TCX	3202699	2196248
3.026		1255	1226
3.079		535	526
3.095		516	243
3.124		41369	27976
3.176		441	310
3.209		651	686
3.256		11562	10209
3.323		496	230
3.38		1637	1398
3.403		474	308
3.439		643	553
3.484		291	190
3.501		1323	1005
3.539		921	795
3.565		4460	2774
3.6		3819	3872
3.654		1047	655
3.671		1418	1031
3.718		3689	3576
3.75		507	359
3.772		629	1065
3.847		635	988
3.894		727	490
3.925		3789	4142
3.987		957	599
4.024		1006	807
4.064		256	250
4.079		822	592
4.165		10857	12179
4.211		1784	1974
4.267		6253	9677
4.324		868	1137
4.359		8178	9411
4.413		467	446
4.506		1155	2172
4.551		286	236

RT A	Compound A	Height A	Area A
4.61		4445	5914
4.678		1161	1274
4.71		1449	1564
4.748		1108	1122
4.801		377	329
4.83		519	480
4.869		2072	1878
4.904		772	853
4.969		4761	8197
5.027		3795	3531
5.054		451	318
5.111		5381	5896
5.184		727	665
5.231		945	842
5.263		401	307
5.323		9385	14326
5.398		687	8518
5.443		8276	9279
5.516		4197	4353
5.576		813	1389
5.643		16567	22980
5.721		3005	2390
5.756		734	624
5.769		524	228
5.822		1539	1729
5.862		309	622
5.906		551	347
5.92		885	309
5.959		4094	6029
6.013		28473	27895
6.076		30494	34330
6.144		3063	7026
6.208		534	2519
6.247		2338	3085
6.288		6300	8007
6.343		620	853
6.354		784	190
6.451		21614	20920
6.519		3298	5244
6.599	DCB	2380114	2444561
6.666		1612	1165
6.678		617	185
6.71		727	429
6.738		345	499
6.774		1091	1677
6.835		850	893
6.882		12678	21062
6.94		1437	1361
6.979		963	348

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 3:06:33 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: 25pcbs17289010B.061.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.053		10645	9272
2.114		2322	2451
2.205		2774	7657
2.232		8398	17158
2.359		6518	7999
2.413		2642	3132
2.468		4464	10600
2.525		5890	6828
2.546		46538	43100
2.613	TCX	5766942	3432195
2.715		3241	4808
2.831		84969	50695
2.883		1674	4542
2.947		15243	9898
2.985		2121	3302
3.064		433	140
3.082		910	143
3.089		2008	824
3.12		2419	2966
3.128		1017	361
3.161		634	214
3.171		1060	515
3.183		1250	412
3.197		700	147
3.207		793	165
3.215		1193	437
3.231		861	188
3.247		659	118
3.261		395	62
3.268		467	138
3.275		704	191
3.289		9050	5100
3.311		510	104
3.326		4572	2890
3.352		4442	2915
3.381		5475	6471
3.4		545	125
3.411		2225	931
3.435		738	186
3.447		2234	1312
3.482		846	297
3.498		1200	647
3.51		843	336
3.527		2686	1921
3.562		7197	5738
3.581		643	312
3.598		1838	1587
3.627		1032	597
3.634		1022	250
3.64		783	160
3.659		856	427
3.667		1052	326
3.678		1383	977
3.716		2661	3651

RT B	Compound B	Height B	Area B
3.726		938	287
3.738		934	170
3.754		790	185
3.767		529	129
3.774		1735	1343
3.819		1760	2345
3.886		4988	6278
3.916		759	277
3.943		27270	24496
4.023		1170	589
4.048		1156	511
4.075		9654	20155
4.168		4868	12315
4.209		2066	3797
4.233		18321	22153
4.288		793	354
4.385		4218	6737
4.437		8758	14133
4.494		2852	3202
4.527		2318	2368
4.591		2781	2677
4.639		29760	49401
4.679		4009	5908
4.738		4476	18209
4.772		962	1449
4.802		924	472
4.834		28149	25400
4.886		1230	697
4.906		2150	1060
4.957		3884	8092
5.019		1588	4215
5.038		1867	1206
5.055		7459	5698
5.106		1865	1772
5.153		1064	314
5.176		23728	21041
5.231		1351	665
5.26		2443	1512
5.296		3072	4253
5.341		14923	24199
5.378		3399	3744
5.404		1069	524
5.434		1224	407
5.483		1379	3874
5.518		62335	56700
5.586		63205	63381
5.637		10467	10861
5.727		1049	5528
5.751		1354	962
5.803		3813	6632
5.847		1993	3718
5.867		1469	645
5.894		1644	980
5.94		62275	53186
5.976		2067	2027
5.994		1509	398
6.056		2283	4033
6.098	DCB	7971210	6618537
6.175		1099	350
6.232		3178	7758
6.251		2160	1125
6.286		2112	2604
6.321		2251	1909
6.373		2527	3825
6.391		1395	884
6.42		3235	5564

RT B	Compound B	Height B	Area B
6.452		1385	355
6.478		1335	1815
6.486		1288	454
6.508		2700	3070
6.551		9033	8946
6.573		1988	617
6.588		1816	954
6.6		1656	351
6.634		1221	622
6.665		1973	2877
6.724		4803	9570
6.771		1955	2745
6.792		1292	894
6.805		1494	488
6.826		1909	1015
6.851		296	389
6.863		1495	555
6.893		2435	3362
6.93		2165	1220
6.961		1055	1023
6.979		1842	942

IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082

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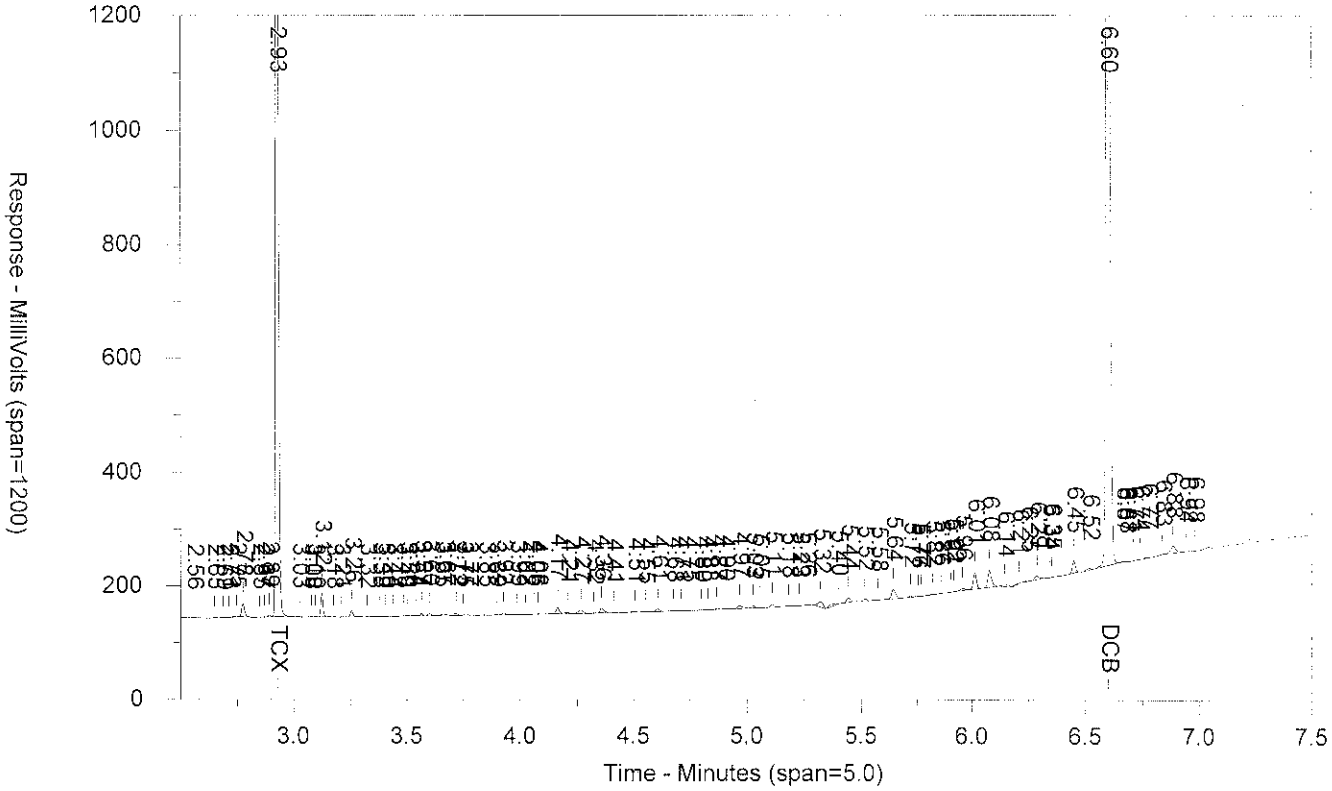

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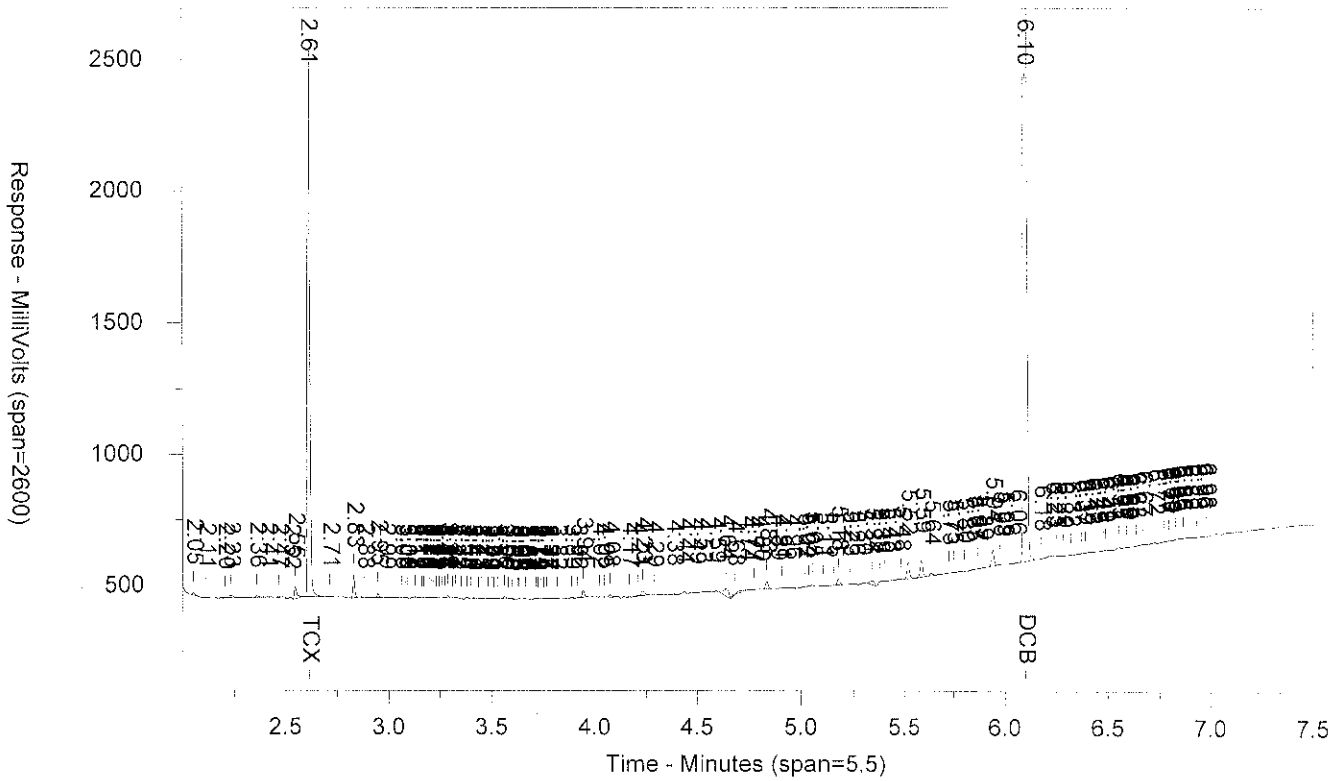

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 3:06:33 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
2.928	3202699	.218	TCX	2.613	5766942	.217	TCX
6.599	2380114	.208	DCB	6.098	7971210	.215	DCB

Files:
Area File: 25pcbs17289010.061.RAW
Area File: 25pcbs17289010B.061.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 3:15:03 AM
File Reported On: 10/30/2017 at 3:15:11 AM

IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082

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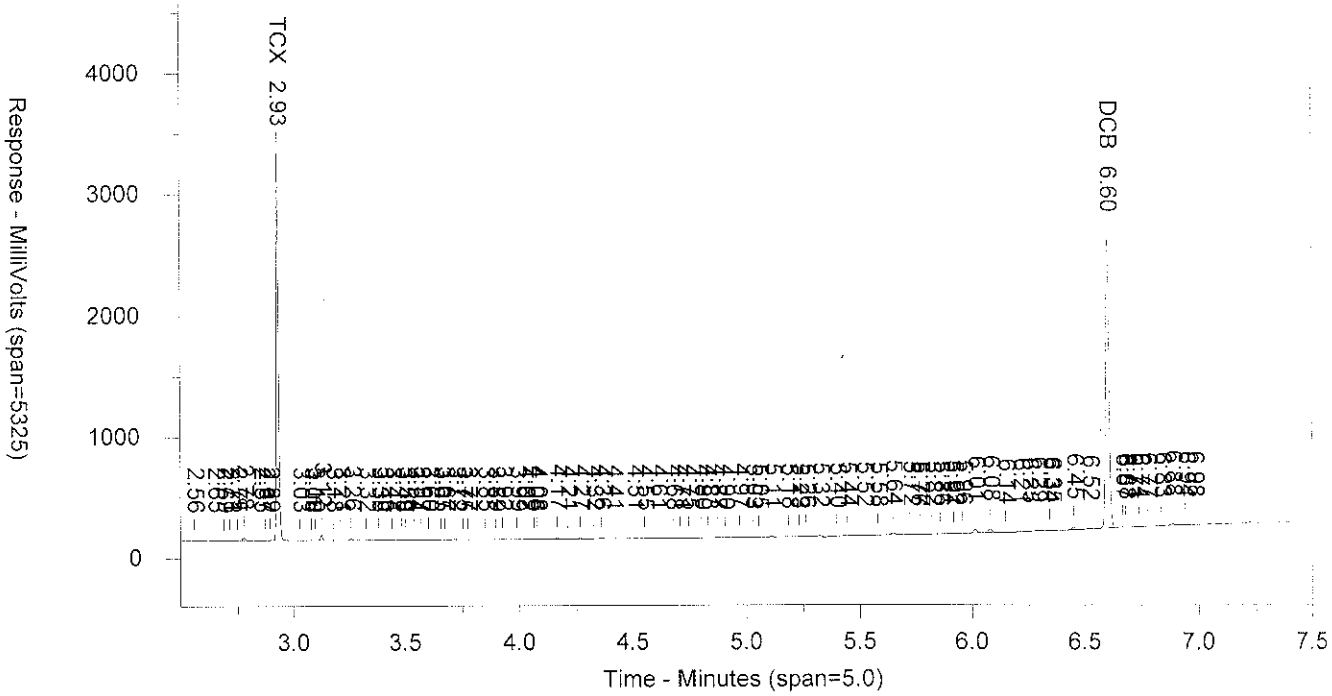

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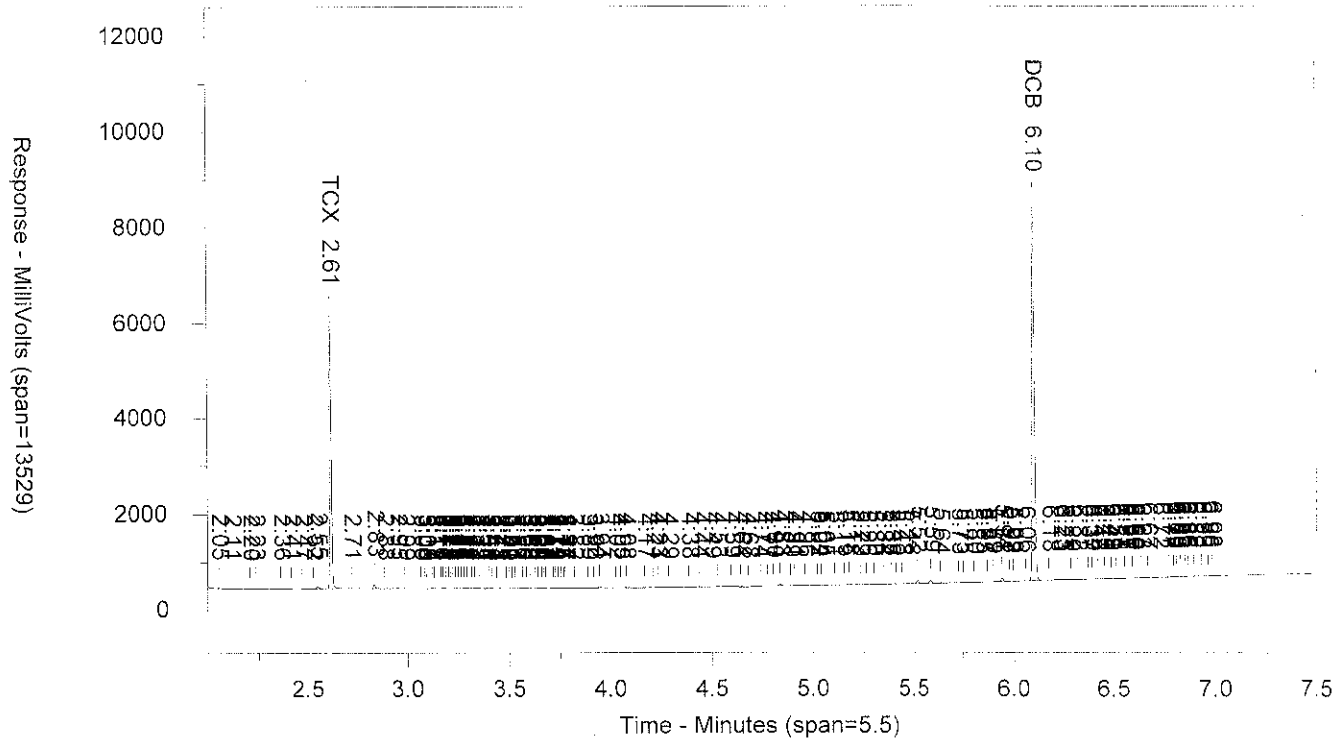

IBLKX1724B CNPIBLKCN PIBLK1730199999 10225 SW-846 8082

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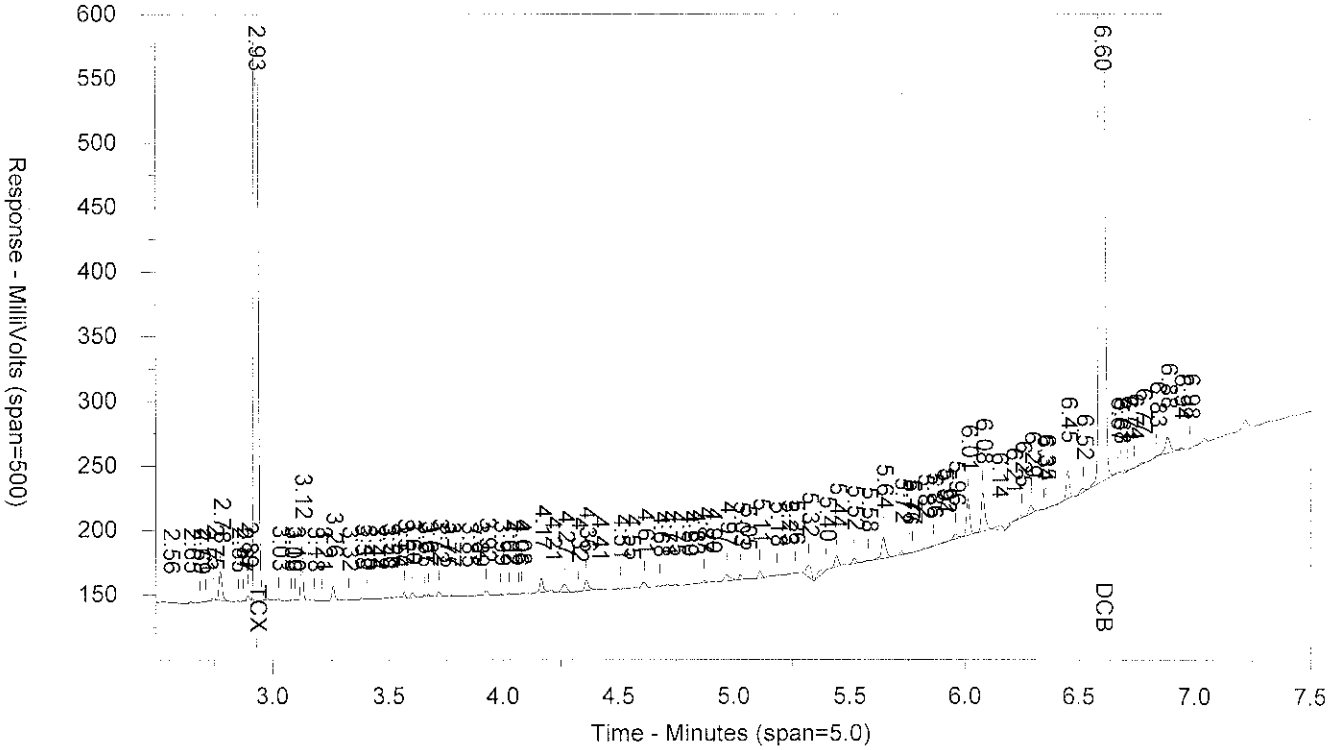

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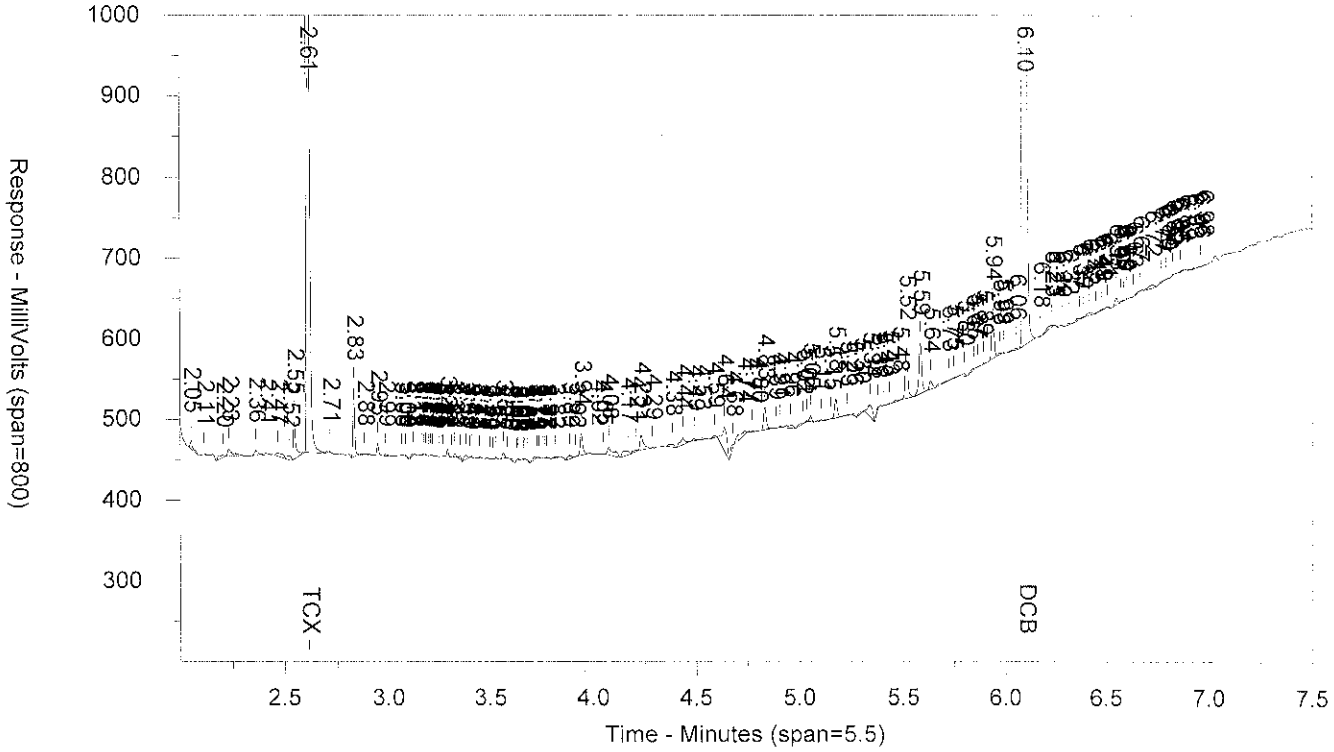

LANCASTER LABORATORIES

Sample Number: AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:11:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289010.072.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.032		7349	6642
2.08		19142	36766
2.171		4189	2420
2.227		28266	20799
2.295		952	1025
2.327		20747	19480
2.363		3251	3257
2.402		1009	623
2.44		452	283
2.485		6717	7779
2.521		577	291
2.564		5729	3820
2.605		844	470
2.646		6717	6379
2.694		439	300
2.706		787	247
2.743		2270	3793
2.774		14961	12605
2.816		524	309
2.84		1822	1894
2.892		4327	3970
2.927	TCX	6375709	4394771
3.024		1882	1789
3.045		541	309
3.074		80137	69584
3.128		136150	125715
3.177		504317	359767
3.254		12098	5845
3.27		55397	33671
3.314		1300	855
3.332		511	172
3.341		595	220
3.361		1128	809
3.392		502712	302530
3.409		229123	122467
3.446		60174	35441
3.461		5445	1802
3.472		33961	18060
3.506		624330	477123
3.544		2822	1289
3.563		8557	4734
3.581		15193	8812
3.615		128612	76486
3.63		66217	33843
3.674		316352	167101
3.684		718580	356164
3.721		775231	584734
3.778		687929	511153
3.82		46081	33040
3.848		417188	312036
3.875		285911	241857
3.897		80794	42228
3.944		841	236
3.97		492003	348550

RT A	Compound A	Height A	Area A
3.994		171820	105483
4.026		179869	125120
4.059		529428	499063
4.099		147055	125779
4.146		17304	11863
4.184		27166	20278
4.219		446718	323114
4.236		84517	43255
4.26		126115	100450
4.331		61134	53107
4.373		487789	462919
4.407		10308	6317
4.424		4030	2301
4.469		4544	3354
4.51		33788	29890
4.544		110532	78095
4.561		31849	14514
4.577		109922	74176
4.603		6677	3185
4.621		288800	247169
4.671		486158	528385
4.708		98014	69660
4.747		1143598	1033673
4.791		3892	3202
4.832		180886	183883
4.866		10999	7336
4.892		197150	179827
4.945		1357791	1697047
4.997		250521	232105
5.035		598329	580804
5.077		349030	304323
5.116		103119	97320
5.149		1674482	1855888
5.217		801616	745552
5.26		481498	469808
5.325		2820	3293
5.354		204252	166647
5.379		862756	777882
5.435		449173	412814
5.474		244555	249639
5.517		39539	43189
5.557		291823	318136
5.615		2279251	2221156
5.653		33334	23332
5.699		1161	414
5.718		839	228
5.728		931	309
5.768		2115	2202
5.82		1453238	1345846
5.85		83148	54007
5.877		294809	324804
5.916		1386	754
5.954		3478	4046
6.011		58484	56088
6.09		258228	327056
6.129		117888	129783
6.245		588764	571016
6.29		39833	43093
6.336		634	117
6.368		1351	990
6.399		678	1357
6.421		914	816
6.449		179055	180582
6.518		2612	5266
6.559		1170	813
6.597	DCB	4761198	4898904

RT A	Compound A	Height A	Area A
6.659		5136	5245
6.689		616	139
6.713		960	670
6.731		1495	898
6.749		946	755
6.805		593	3366
6.833		1660	2085
6.856		1320	464
6.881		10096	15806
6.936		2125	1613
6.974		771	195
6.983		1039	412

LANCASTER LABORATORIES

Sample Number: AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:11:08 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289010B.072.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.053		19606	15599
2.122		6896	21562
2.183		4525	3540
2.233		7468	10369
2.299		15553	19076
2.359		4923	5212
2.41		4171	5966
2.467		6546	31960
2.546		30148	29015
2.613	TCX	11884210	6814131
2.656		71504	51095
2.702		3517	5027
2.783		169087	112416
2.831		100320	47251
2.844		155016	75938
2.896		909436	552796
2.946		26899	17473
3.007		115706	71948
3.051		2792	1785
3.071		1115	263
3.077		738	84
3.103		789573	380437
3.114		265860	99582
3.155		141721	85181
3.176		58717	32303
3.201		97824	54326
3.225		1132769	751806
3.262		40051	24040
3.289		15762	7047
3.308		314161	158971
3.323		180500	88870
3.373		793956	334191
3.383		1400345	630393
3.403		51121	17597
3.416		1265891	840292
3.491		1418415	860814
3.526		972601	581324
3.549		1033271	565913
3.567		338989	170077
3.652		1228077	784118
3.675		437569	239390
3.696		432812	248818
3.724		269471	139912
3.741		1066618	622002
3.783		361769	251882
3.83		43202	35252
3.852		280805	163263
3.874		1353999	890812
3.899		279387	167630
3.918		40386	18828
3.938		208072	134837
3.972		1149814	754991
4.006		44794	28493
4.021		77445	46490

RT B	Compound B	Height B	Area B
4.082		8740	7555
4.117		64185	48817
4.147		287155	204901
4.173		249769	155208
4.191		41073	20064
4.216		309612	181064
4.234		275796	140779
4.247		792566	444081
4.273		444762	447504
4.325		2721273	1973749
4.372		33852	24129
4.394		232138	148607
4.418		557294	408167
4.461		3193933	2463555
4.531		1574	847
4.562		2492015	2360981
4.615		141953	80910
4.631		343785	204261
4.653		563213	407855
4.689		3221950	2555380
4.722		1566539	1109337
4.76		1071415	823294
4.797		1493	680
4.818		1631	985
4.829		1978	985
4.859		308447	224146
4.876		36820	17801
4.909		2016414	1551183
4.933		241536	155796
4.983		982460	872059
5.018		515014	389975
5.049		377088	302295
5.081		154271	90324
5.103		5104270	4046848
5.144		92623	68917
5.175		189908	152262
5.239		76570	62893
5.264		13968	8841
5.294		45311	29097
5.317		1062823	827563
5.362		3456756	3668882
5.464		1850	1362
5.484		3116	2956
5.517		145015	131640
5.562		88502	64336
5.585		119945	90373
5.634		664095	547858
5.673		2643	628
5.72		44622	35392
5.741		1604152	1265284
5.773		94427	69837
5.907		3475	26623
5.939		550512	450279
5.974		3379	2513
6.041		2760	4014
6.048		3242	957
6.097	DCB	16864940	13462620
6.233		6138	17632
6.248		1236	659
6.274		7427	9696
6.319		2278	4755
6.337		3221	2170
6.355		4457	1625
6.369		4704	2239
6.443		1945	10961
6.465		1935	1368

RT B	Compound B	Height B	Area B
6.487		2366	2836
6.503		6120	5657
6.549		19199	19968
6.591		3180	3462
6.61		2640	979
6.638		2126	1024
6.654		1550	1715
6.677		13231	16703
6.708		1972	530
6.72		5866	6344
6.75		2429	1221
6.759		10746	6593
6.792		4753	9934
6.8		2777	1180
6.826		3376	1325
6.879		4853	14398
6.889		3699	3005
6.976		2084	1565

AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082

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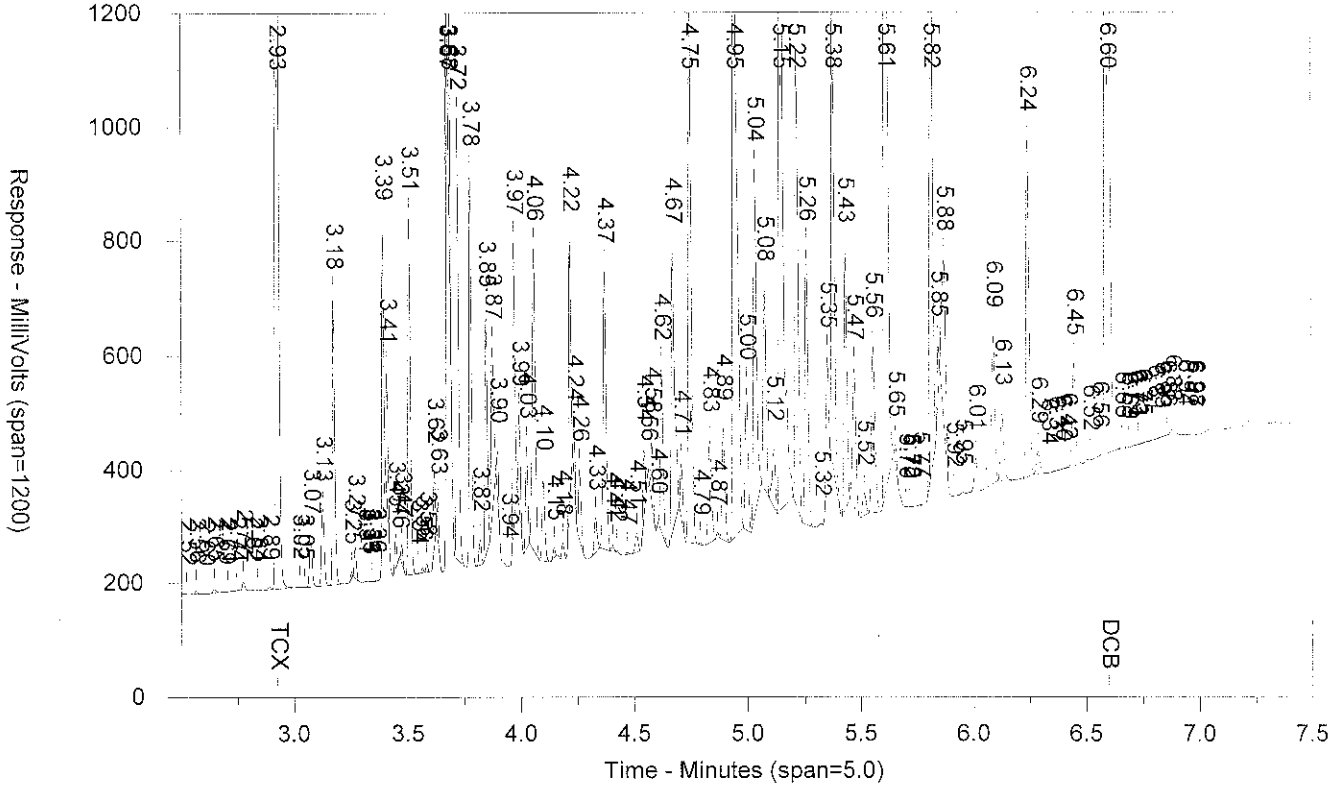

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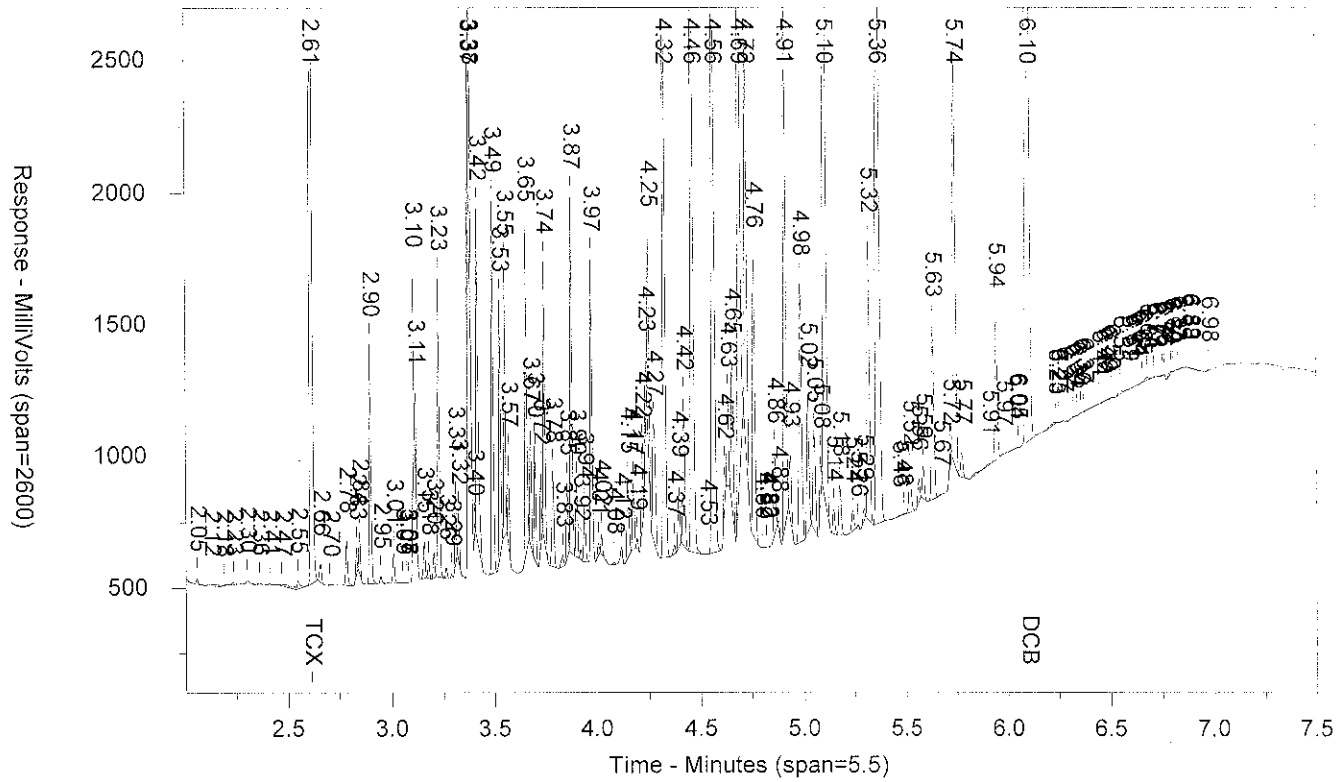

LANCASTER LABORATORIES

Sample Number: AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:11:08 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
2.927	6375709	43.465	TCX	2.613	11884210	44.667	TCX
6.597	4761198	41.672	DCB	6.097	16864940	45.553	DCB

Files:
Area File: 25pcbs17289010.072.RAW
Area File: 25pcbs17289010B.072.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 5:21:17 AM
File Reported On: 10/30/2017 at 5:19:54 AM

AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082

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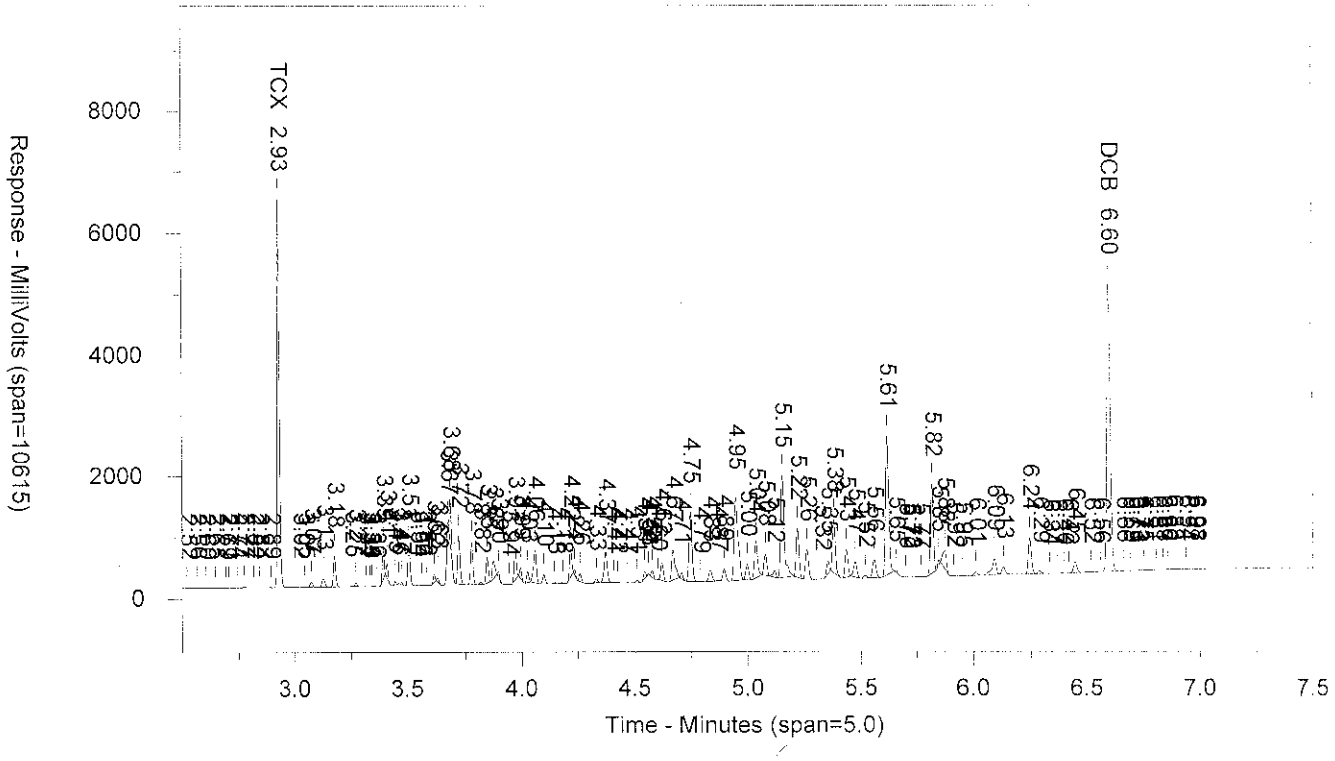

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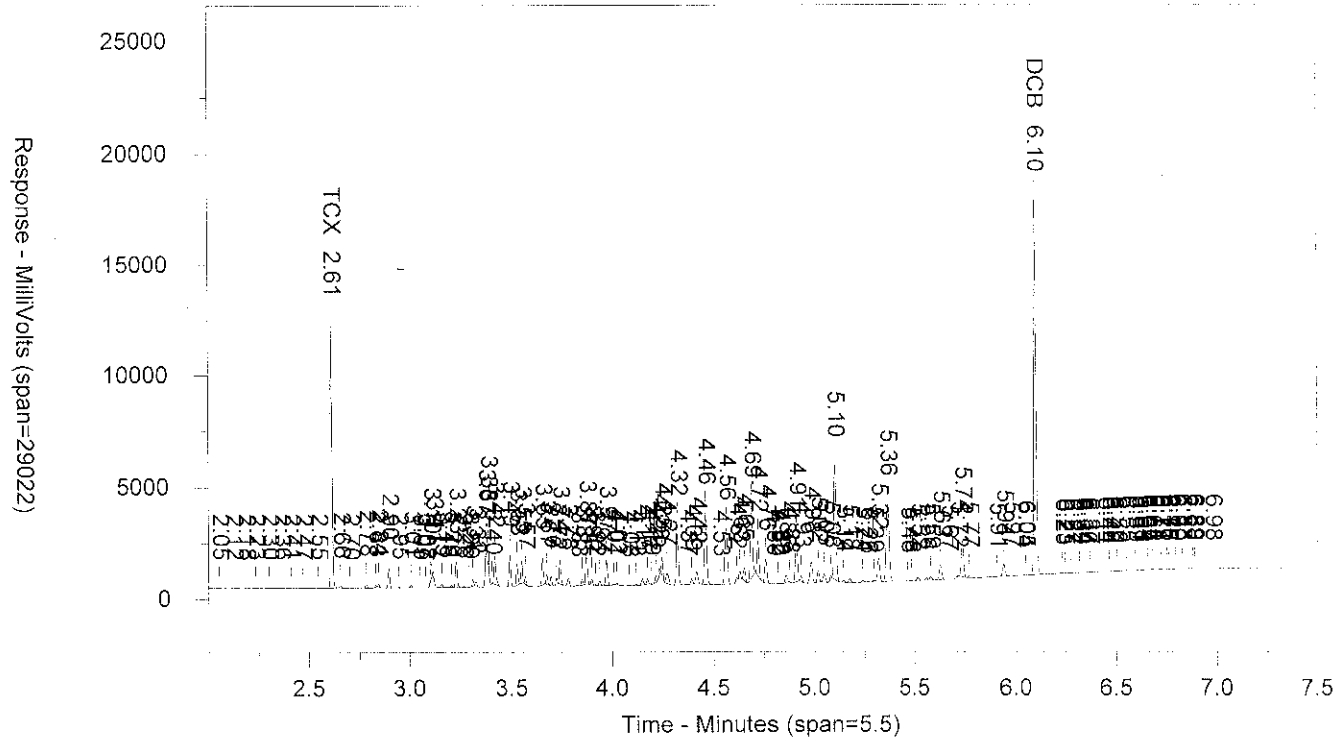

AR1641724B SHAR164SH CCAL 1730199999 10225 SW-846 8082

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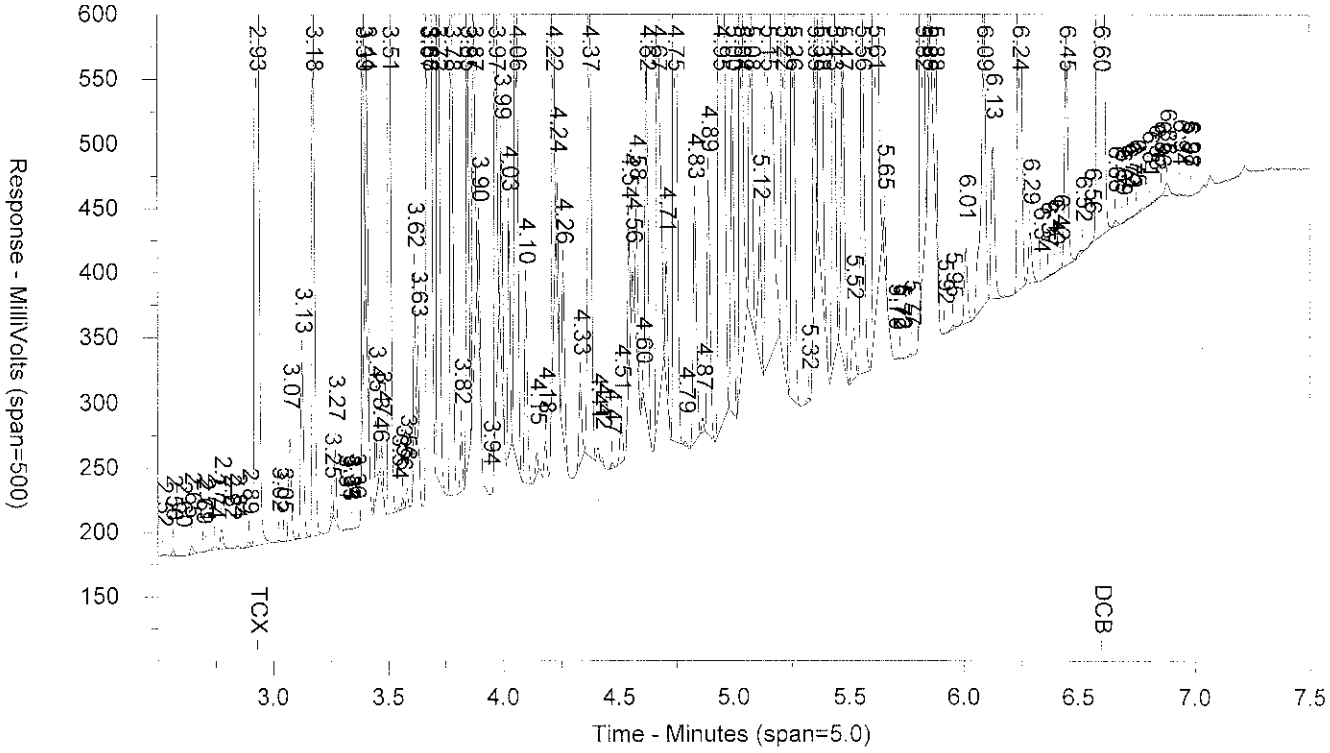

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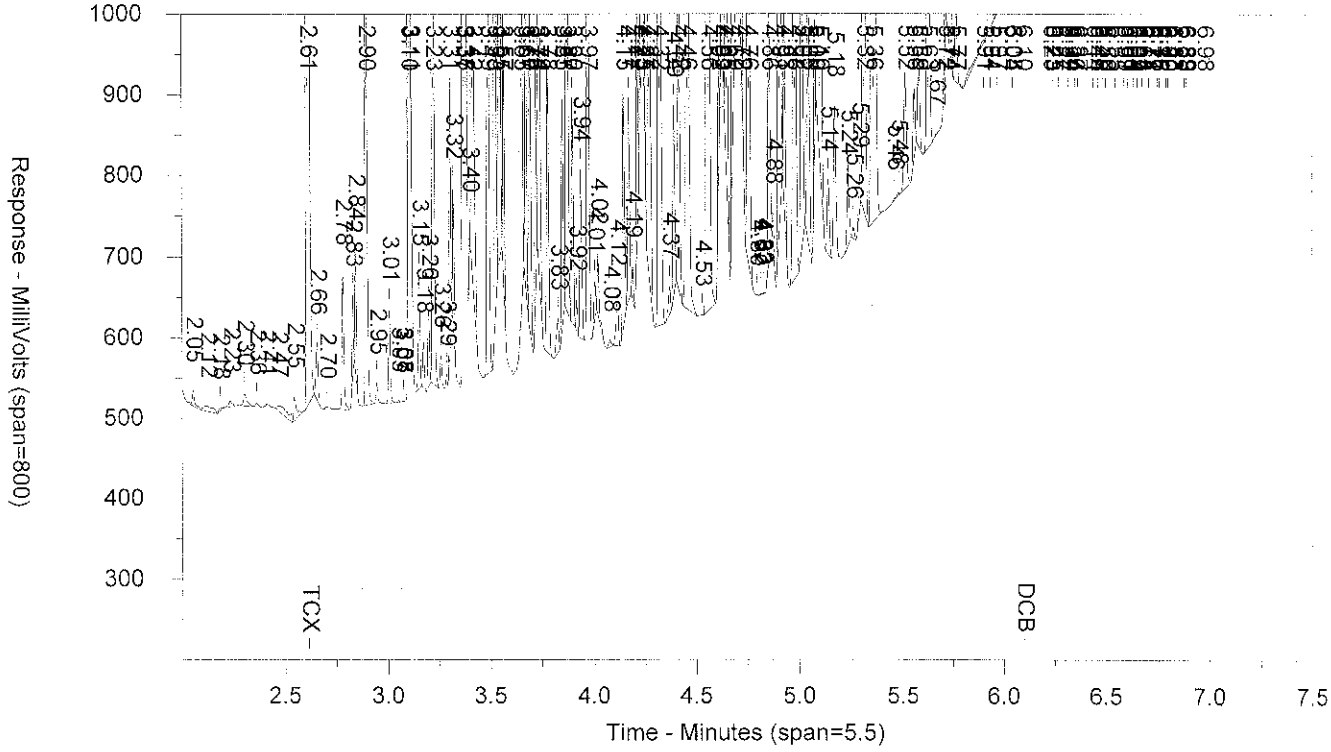

LANCASTER LABORATORIES

Sample Number: IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:22:40 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: 25pcbs17289010.073.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.033		8284	9107
2.081		25733	48499
2.171		4424	3616
2.229		13000	10073
2.298		809	634
2.328		16399	13499
2.365		3205	3288
2.405		976	595
2.485		7218	9349
2.532		1184	1715
2.586		429	194
2.648		5185	5162
2.695		555	618
2.749		2002	3280
2.777		16238	13653
2.85		1562	1682
2.874		565	265
2.894		4311	3317
2.929	TCX	3191346	2140079
3.016		1109	1130
3.047		838	502
3.074		719	330
3.125		41043	28142
3.18		952	734
3.219		662	897
3.256		12627	10114
3.291		661	500
3.334		726	712
3.383		1419	1093
3.407		1931	1655
3.457		924	1675
3.483		2978	2021
3.502		1995	1218
3.533		1329	1329
3.568		4538	2733
3.602		4796	4354
3.631		555	278
3.657		2279	1462
3.688		4381	3693
3.717		5645	4812
3.747		2598	1627
3.765		1495	1076
3.808		2410	1889
3.854		1331	1300
3.927		5335	8712
3.987		1337	1016
4.017		8539	9499
4.044		768	643
4.116		614	175
4.165		12230	14901
4.209		1271	1040
4.261		8453	17240
4.349		14540	17976
4.382		1844	1106

RT A	Compound A	Height A	Area A
4.429		9326	10041
4.492		788	962
4.509		1307	1072
4.547		196524	197485
4.606		42393	39782
4.655		2245	1750
4.71		3014	2821
4.745		2498	1617
4.785		2912	2656
4.811		887	280
4.826		774	304
4.85		2530	1906
4.871		3781	3064
4.903		1536	944
4.937		488	567
4.967		7327	13650
5.03		3408	2921
5.08		462858	509295
5.184		29267	31175
5.254		1458	2654
5.3		1340	1493
5.324		8210	10405
5.396		1311	8358
5.409		567	351
5.443		27412	36864
5.519		5330	6755
5.568		829	659
5.58		816	387
5.659		130810	178690
5.721		7913	7926
5.769		2333	2388
5.797		1029	820
5.83		1057	1570
5.838		623	152
5.852		1163	482
5.888		798	384
5.897		894	171
5.921		3268	4074
5.958		4075	4763
6.014		18610	19138
6.045		1023	190
6.077		19922	21756
6.131		257410	324828
6.211		14438	37337
6.261		620	2282
6.295		1642	3367
6.309		4702	3739
6.35		1018	1124
6.368		423	658
6.379		1688	1061
6.409		910	512
6.418		822	207
6.451		17129	15248
6.476		2545	1853
6.511		1028	1201
6.519		1579	652
6.531		1728	556
6.542		751	332
6.601	DCB	2364102	2396335
6.661		1058	368
6.679		1869	1949
6.733		688	2246
6.741		1165	381
6.77		1596	1503
6.787		623	254
6.845		2014	4198

RT A	Compound A	Height A	Area A
6.886		12909	21010
6.942		1520	1967
6.991		991	422

LANCASTER LABORATORIES

Sample Number: IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:22:40 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: 25pcbs17289010B.073.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.053		9416	9014
2.121		3281	4841
2.213		1933	9098
2.234		6864	7846
2.303		8166	9896
2.361		5695	5932
2.412		3646	5201
2.514		3612	1930
2.547		31939	29845
2.613	TCX	5762302	3321089
2.704		3068	6028
2.777		2985	3459
2.831		76165	47443
2.947		15827	11212
2.987		2155	1743
3.054		1877	1020
3.069		1396	678
3.088		1462	383
3.114		991	1533
3.121		677	159
3.139		738	111
3.156		6216	5483
3.184		2037	1216
3.205		2272	1539
3.225		3045	2058
3.244		841	276
3.265		4925	3206
3.29		8546	4365
3.31		915	289
3.329		12634	9271
3.351		3086	1540
3.369		4750	3265
3.393		866	216
3.41		531	210
3.423		1067	504
3.45		2868	1607
3.47		779	280
3.484		4914	3849
3.507		648	302
3.519		789	109
3.529		3204	1915
3.566		5972	6192
3.584		1706	391
3.591		1122	189
3.598		1813	1632
3.621		1368	513
3.627		943	185
3.641		9213	7249
3.666		3284	1562
3.683		6242	3212
3.718		3830	5942
3.732		393	69
3.741		1494	663
3.76		3887	2712

RT B	Compound B	Height B	Area B
3.783		1999	949
3.805		2458	1461
3.849		2839	2542
3.885		6700	9749
3.915		1440	663
3.943		61076	54482
4.002		11840	8992
4.047		9435	7386
4.077		4344	2972
4.097		3224	2133
4.149		345163	299231
4.194		75010	62450
4.234		12525	10921
4.304		3735	3280
4.353		1148	1910
4.372		5409	3256
4.389		3302	1365
4.405		1230	623
4.417		1590	622
4.437		5795	5336
4.497		3034	5940
4.531		2238	2294
4.554		840	375
4.571		1328	357
4.59		5150	4474
4.634		677177	632453
4.705		2575	3860
4.729		34301	37122
4.8		1531	1007
4.813		1777	371
4.835		70180	66114
4.889		959	401
4.908		2203	1402
4.933		1597	790
4.947		831	173
5.011		7624	12368
5.035		4649	2689
5.059		5254	4441
5.102		2197	1268
5.128		1116	555
5.146		1710	434
5.177		20636	19396
5.241		172676	143854
5.267		28528	18529
5.307		1268	817
5.338		67495	105376
5.401		37428	134380
5.465		9437	16842
5.519		49792	52289
5.587		51325	58951
5.64		8840	8365
5.699		2119	538
5.721		297359	311839
5.762		1479	993
5.784		1747	692
5.803		4083	3095
5.841		3405	5088
5.906		4119	6529
5.942		40889	33373
5.987		2475	569
6.014		2414	1636
6.024		2198	761
6.047		5824	6238
6.099	DCB	7677182	6516224
6.167		3635	2684
6.191		9520	9278

RT B	Compound B	Height B	Area B
6.221		5302	4946
6.256		4450	12249
6.277		2666	1377
6.285		3591	1211
6.33		4159	9401
6.389		2105	9302
6.419		10688	17846
6.486		4698	7337
6.51		6259	5260
6.526		1967	716
6.552		13151	14379
6.575		2632	569
6.605		7001	6607
6.634		4278	3309
6.657		6148	4647
6.678		21201	17502
6.7		4783	1557
6.729		10340	13633
6.763		5960	5991
6.786		3477	669
6.793		2878	1003
6.821		7498	7569
6.876		20952	56651
6.914		5549	11604
6.964		2894	576
6.995		1945	3256

IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082

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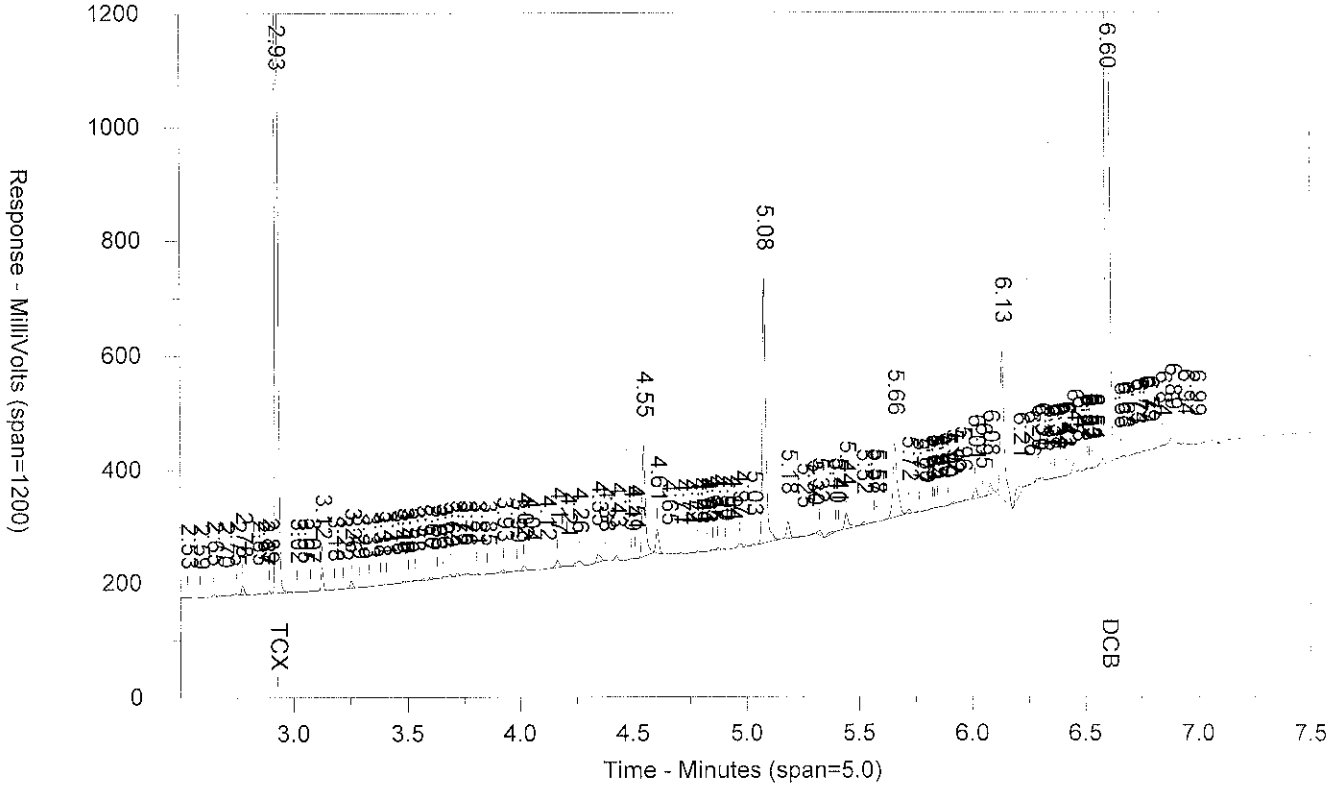

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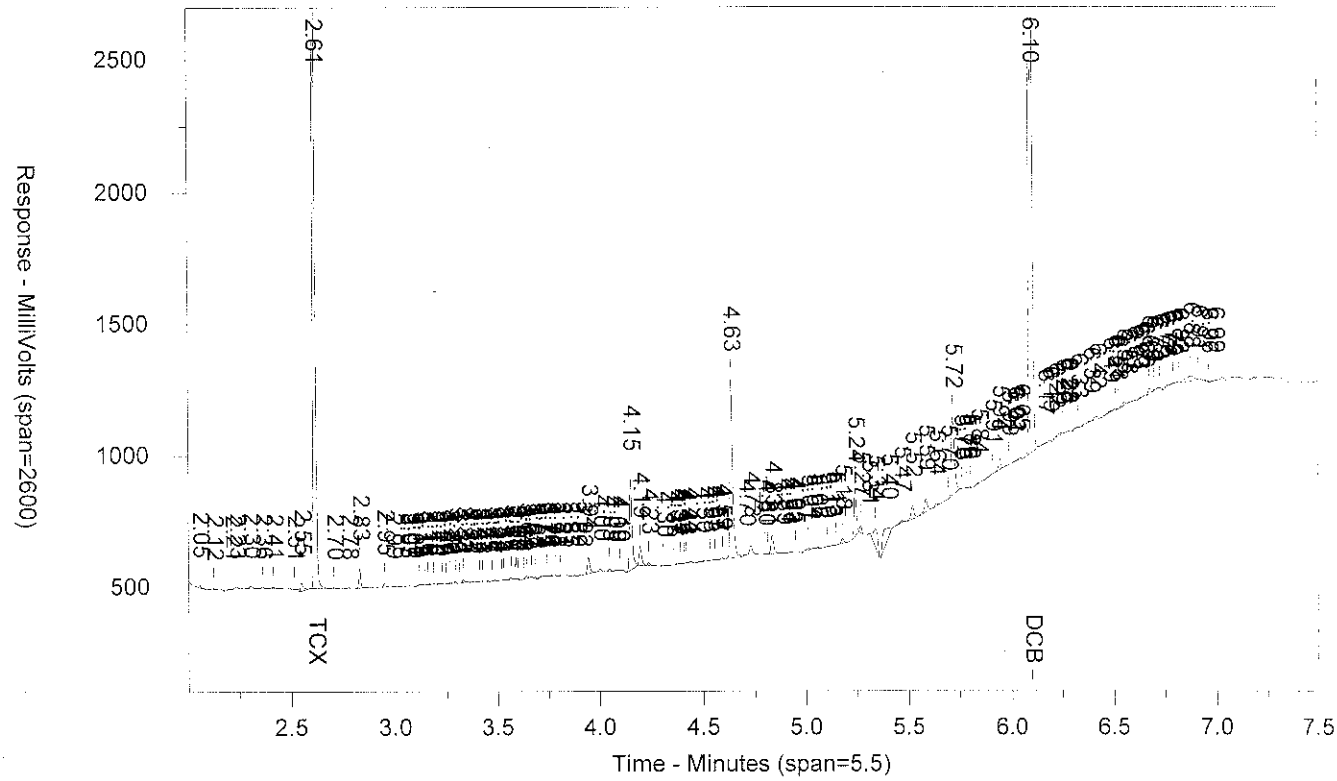

LANCASTER LABORATORIES

Sample Number: IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 5:22:40 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
2.929	3191346	.218	TCX	2.613	5762302	.217	TCX
6.601	2364102	.207	DCB	6.099	7677182	.207	DCB

Files:
Area File: 25pcbs17289010.073.RAW
Area File: 25pcbs17289010B.073.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 5:31:24 AM
File Reported On: 10/30/2017 at 5:31:24 AM

IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082

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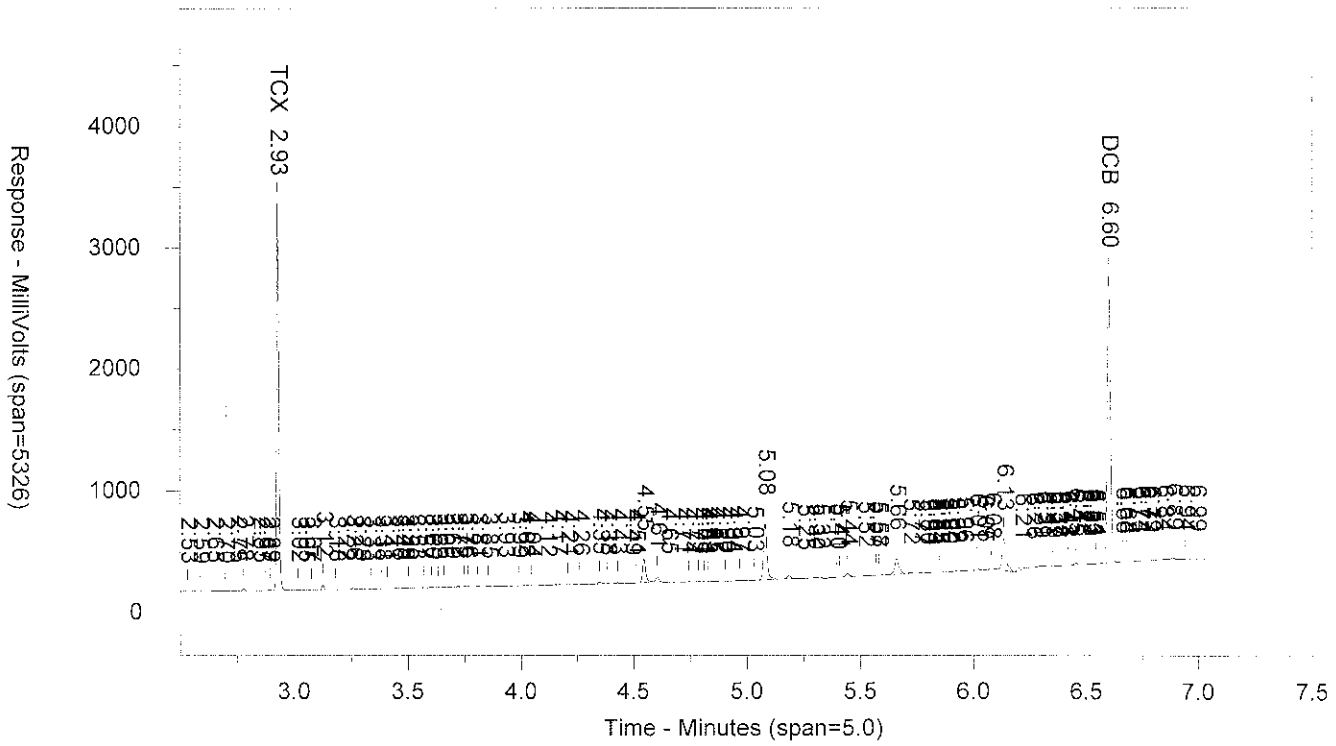

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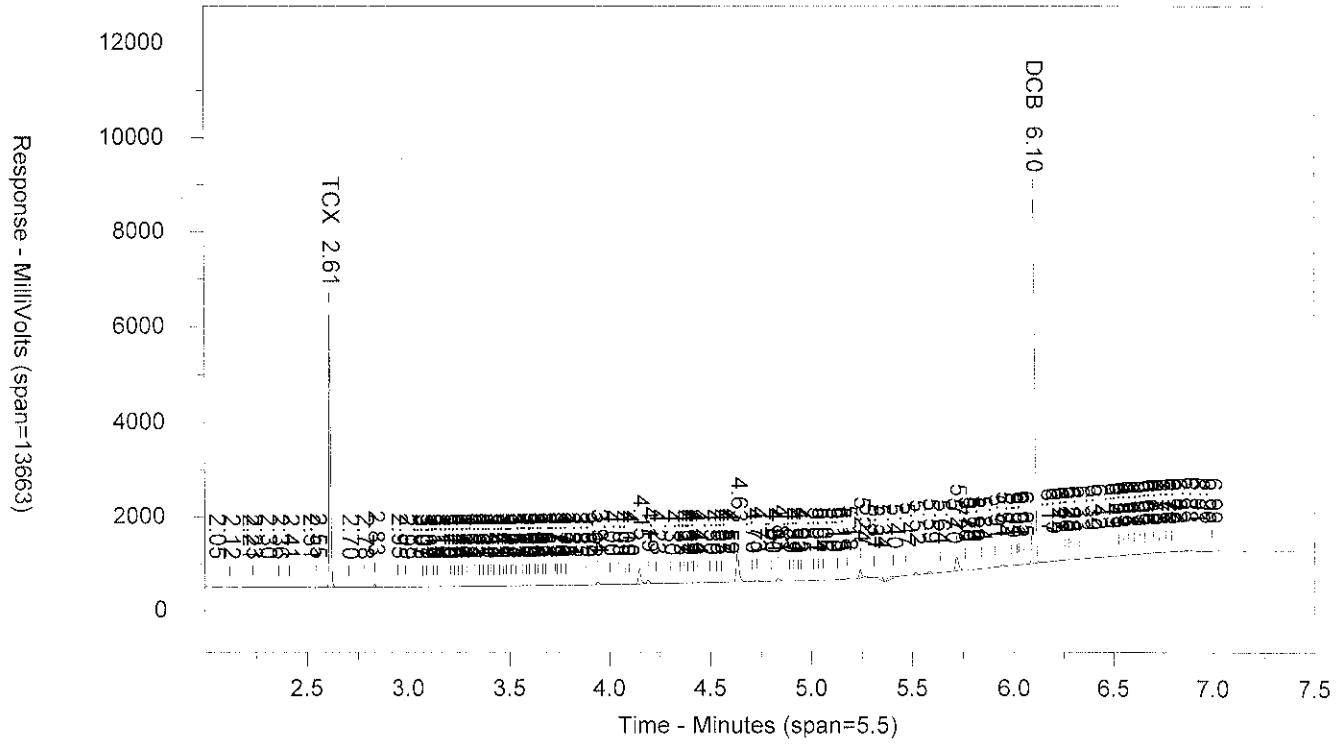

IBLKX1724B COPIBLKCO PIBLK1730199999 10225 SW-846 8082

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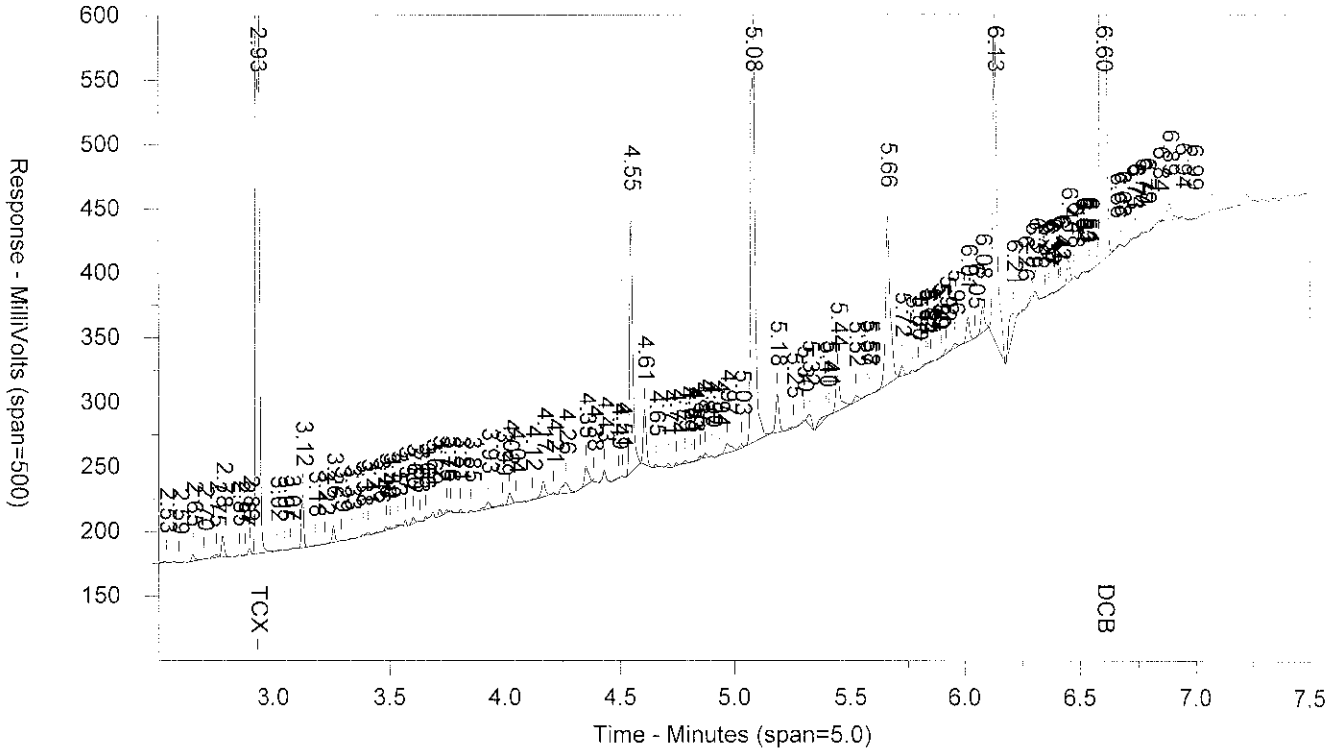

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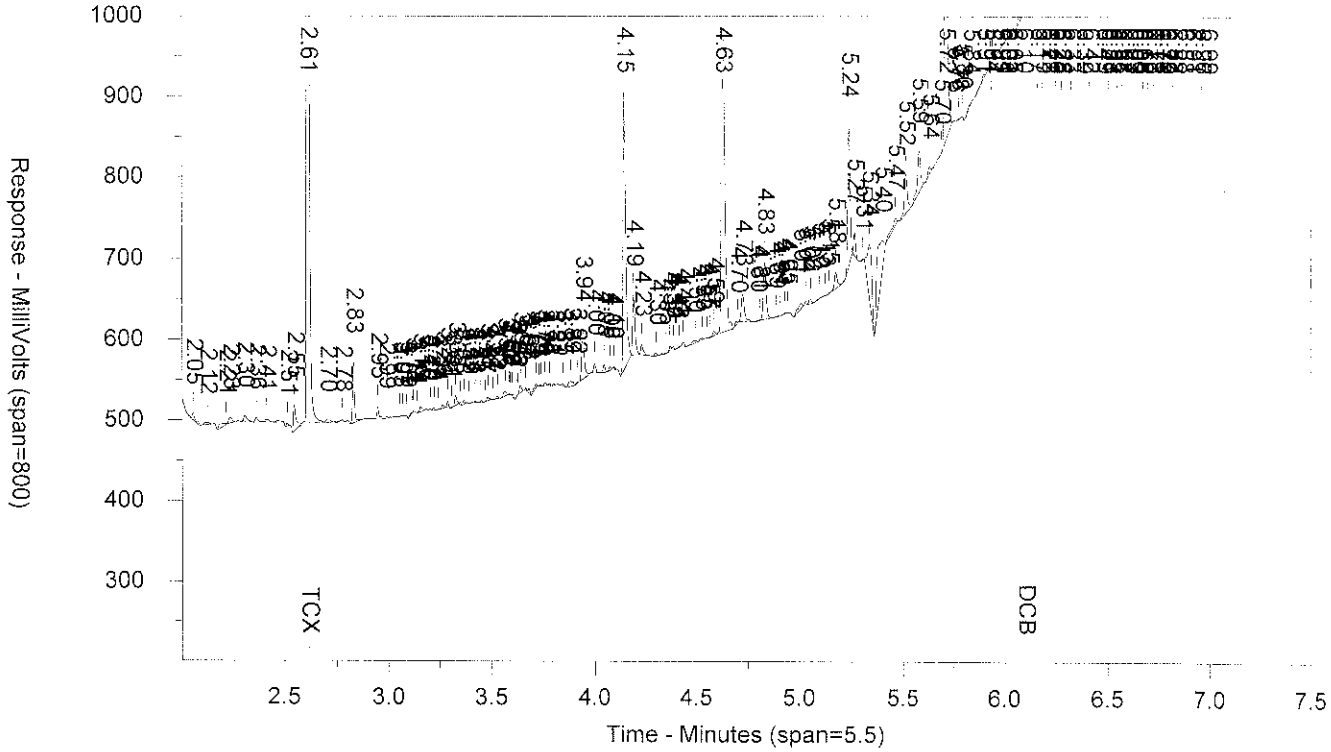

LANCASTER LABORATORIES

Sample Number: AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:46:18 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: 25pcbs17289010.091.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.006		310	111
2.034		6916	6530
2.079		21997	46828
2.202		478	271
2.229		26727	19879
2.329		25237	22668
2.366		4151	5907
2.486		6807	9074
2.522		1513	2139
2.566		6746	5183
2.66		2285	2787
2.695		726	422
2.709		492	146
2.751		2804	3772
2.776		19388	17291
2.843		3586	3418
2.891		3523	3757
2.929	TCX	6169744	4324130
3.012		3120	3375
3.047		772	385
3.075		80383	70008
3.13		132450	124026
3.179		491019	355375
3.256		11230	6025
3.272		54345	34353
3.328		3172	3617
3.395		487354	287884
3.411		228020	120062
3.449		62224	34833
3.464		5995	2174
3.476		37414	20180
3.51		592330	464779
3.548		4013	2419
3.566		5888	3209
3.585		14944	9225
3.62		129932	77053
3.634		64019	32266
3.678		243081	146098
3.689		682124	344878
3.726		720948	551408
3.783		643635	482140
3.823		48715	34177
3.852		400624	298260
3.879		274580	226154
3.901		71617	39967
3.975		445886	330727
3.998		152464	97890
4.03		173951	123297
4.063		488369	467054
4.103		150308	125856
4.15		15653	10859
4.166		3680	1816
4.188		30535	22069
4.223		417399	301469

RT A	Compound A	Height A	Area A
4.241		76848	39822
4.264		129546	101534
4.335		69082	58140
4.378		441324	446805
4.411		14158	9419
4.475		4725	4243
4.514		36769	32186
4.566		50582	31469
4.581		109301	77210
4.626		304832	269399
4.676		432893	489989
4.712		97434	68266
4.751		1008681	955461
4.795		5095	3801
4.836		170505	180716
4.87		10727	6726
4.897		180483	177858
4.949		1212164	1557148
5		238568	222703
5.039		571974	614207
5.08		21320	12635
5.119		109367	130142
5.153		1581716	1592338
5.194		14654	6015
5.22		714313	678457
5.263		447108	435572
5.329		1483	1493
5.357		207887	161435
5.382		767113	700959
5.439		414317	379207
5.477		228617	233881
5.519		40975	43454
5.561		261947	296133
5.617		2059983	2223536
5.708		1257	1329
5.764		802	927
5.822		1333432	1204649
5.852		78479	48378
5.877		263421	308103
5.926		832	469
5.957		2341	2584
5.989		844	274
6.015		60376	59289
6.092		243286	325384
6.132		13488	13744
6.17		557	282
6.2		695	569
6.249		531958	532883
6.294		37601	36306
6.336		2920	2433
6.366		525	266
6.384		643	427
6.413		261	280
6.452		160259	164438
6.521		4583	7958
6.601	DCB	4489630	4500820
6.662		3109	3877
6.772		6374	12719
6.813		891	665
6.853		547	148
6.884		7461	8779
6.948		2748	4239
6.982		925	692

LANCASTER LABORATORIES

Sample Number: AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:46:18 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: 25pcbs17289010B.091.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.053		18752	13880
2.123		6338	15040
2.187		4278	4557
2.231		9242	13498
2.298		10181	7157
2.322		5172	3613
2.359		6294	9244
2.417		10054	13014
2.47		5412	29320
2.547		37334	35221
2.613	TCX	11383190	6721502
2.657		74602	51014
2.691		4631	6139
2.784		169354	115534
2.832		96605	45449
2.845		148333	74592
2.897		903537	548020
2.947		32651	20821
3.008		115698	70264
3.032		4954	3277
3.07		785	239
3.083		1282	509
3.104		760184	370118
3.115		271100	104605
3.156		134964	83524
3.177		58671	31909
3.203		96014	54184
3.227		1114612	734436
3.263		38771	25183
3.291		12089	5026
3.31		295830	156307
3.325		178644	85226
3.35		7022	3810
3.376		610093	304822
3.385		1349302	567938
3.406		39891	16213
3.419		1241472	812309
3.493		1340084	826839
3.529		916819	562347
3.552		995955	545918
3.57		322260	164408
3.628		703	698
3.656		1191821	752966
3.679		440426	240140
3.7		411414	234734
3.729		253704	132090
3.746		999198	588659
3.786		350314	245127
3.833		44935	36427
3.856		261566	156051
3.878		1313657	847161
3.903		275555	161666
3.922		38490	18358
3.942		174264	112263

RT B	Compound B	Height B	Area B
3.977		1070240	728035
4.011		41776	24232
4.025		72179	43603
4.087		12277	13001
4.12		63706	50507
4.151		33955	21963
4.177		253027	181534
4.219		295861	170723
4.238		228700	120081
4.251		752036	428385
4.277		416672	421352
4.328		2490149	1823814
4.376		28161	21304
4.398		214296	139246
4.421		534566	382710
4.464		2943201	2283917
4.566		2313530	2188194
4.619		263033	211635
4.657		614780	509952
4.693		3039841	2408915
4.725		1499590	1023363
4.763		1004272	767291
4.834		3854	3301
4.862		288132	207827
4.88		39589	18635
4.913		1827782	1426182
4.937		219202	146085
4.987		937712	808091
5.022		474205	362142
5.052		345548	282347
5.084		140805	84091
5.106		4644379	3676588
5.148		82685	61472
5.178		178608	142649
5.242		12621	15345
5.297		46701	29122
5.32		934095	754661
5.365		3113866	3321692
5.43		2159	703
5.452		1187	1293
5.483		2949	2089
5.519		147451	129730
5.565		85218	60683
5.587		128296	92664
5.636		590616	496439
5.744		1446751	1190050
5.775		81474	61883
5.868		2774	14221
5.88		1719	509
5.942		483475	389161
5.976		2792	1732
5.996		1507	894
6.042		8243	8563
6.1	DCB	13917080	11517860
6.173		2478	4088
6.212		3462	4214
6.234		7033	4865
6.262		1368	476
6.281		6353	6482
6.338		2441	10354
6.365		4914	5735
6.403		11096	15112
6.438		2835	1544
6.476		1935	2012
6.505		438	1128
6.514		2133	782

RT B	Compound B	Height B	Area B
6.552		23693	28891
6.6		8438	11208
6.639		7205	4747
6.673		14949	26879
6.735		8049	13433
6.764		8156	6604
6.797		7766	6841
6.827		3849	2912
6.841		2070	669
6.858		4387	2651
6.885		1819	528
6.915		2724	4903
6.931		8926	16279
6.986		3179	2939

AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082

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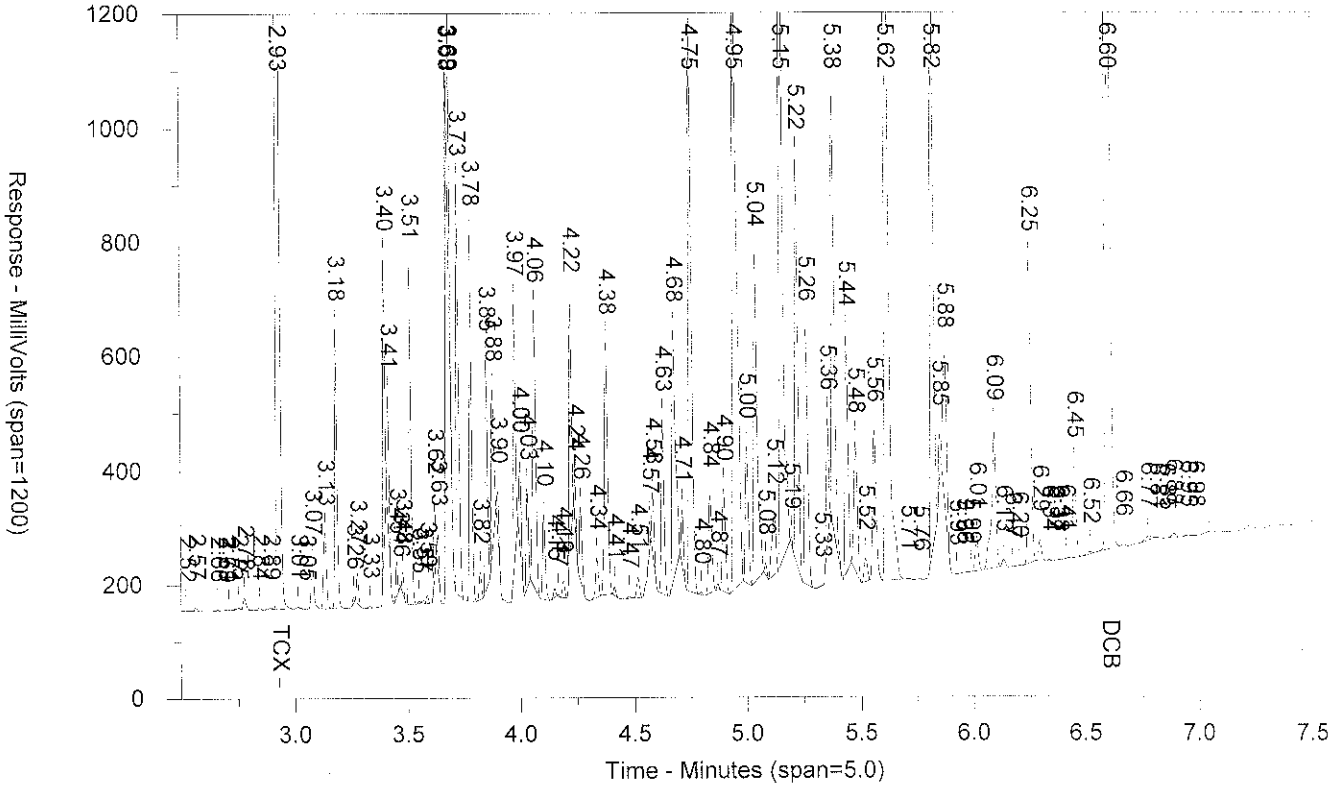

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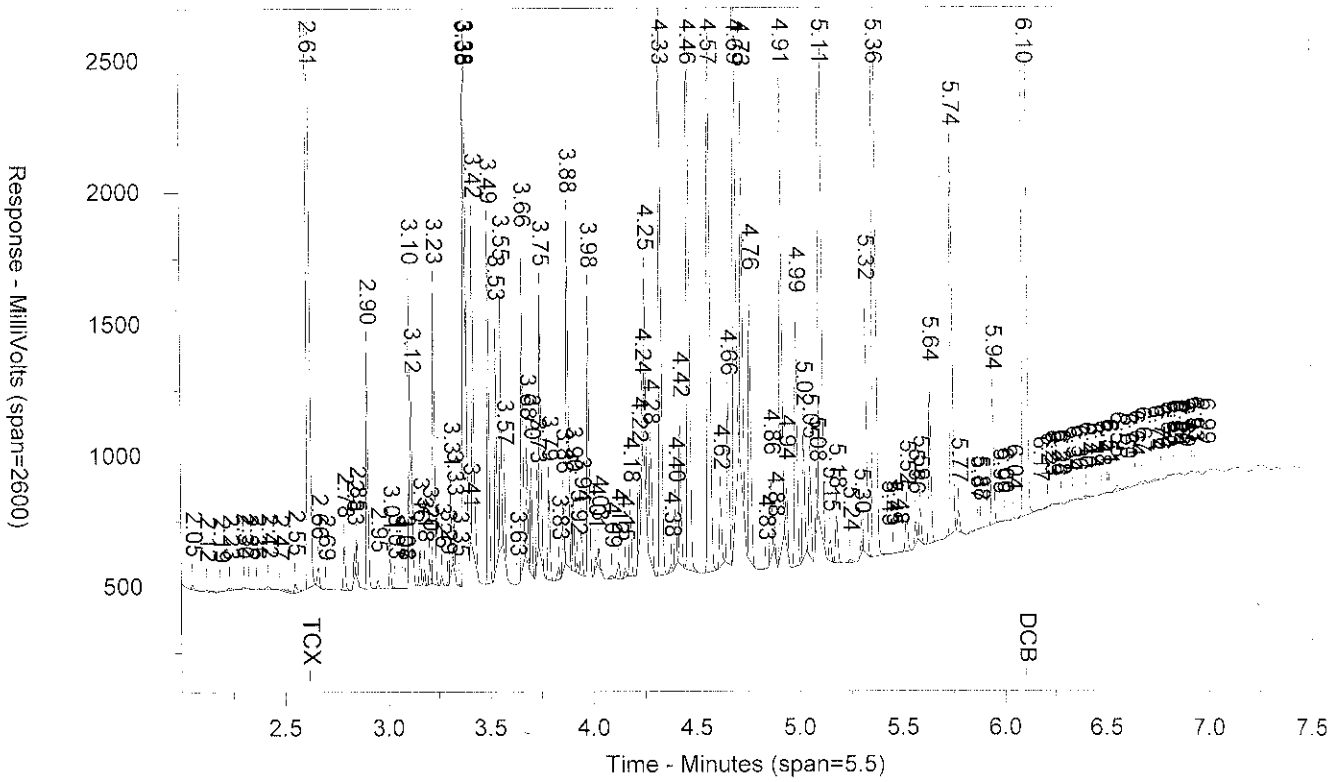

LANCASTER LABORATORIES

Sample Number: AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:46:18 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	6169744	42.061	TCX	2.613	11383190	42.784	TCX
6.601	4489630	39.295	DCB	6.1	13917080	37.59	DCB

Files:
Area File: 25pcbs17289010.091.RAW
Area File: 25pcbs17289010B.091.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 8:54:49 AM
File Reported On: 10/30/2017 at 8:55:07 AM

AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082

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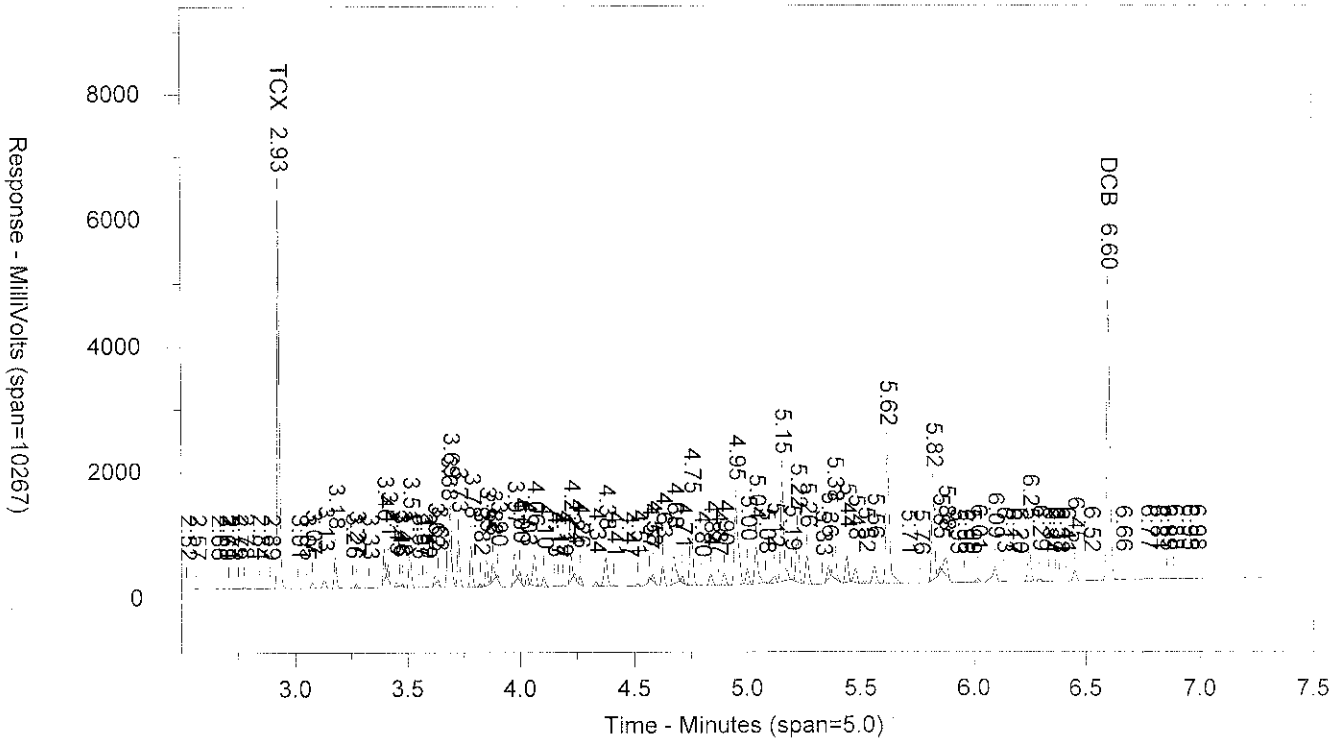

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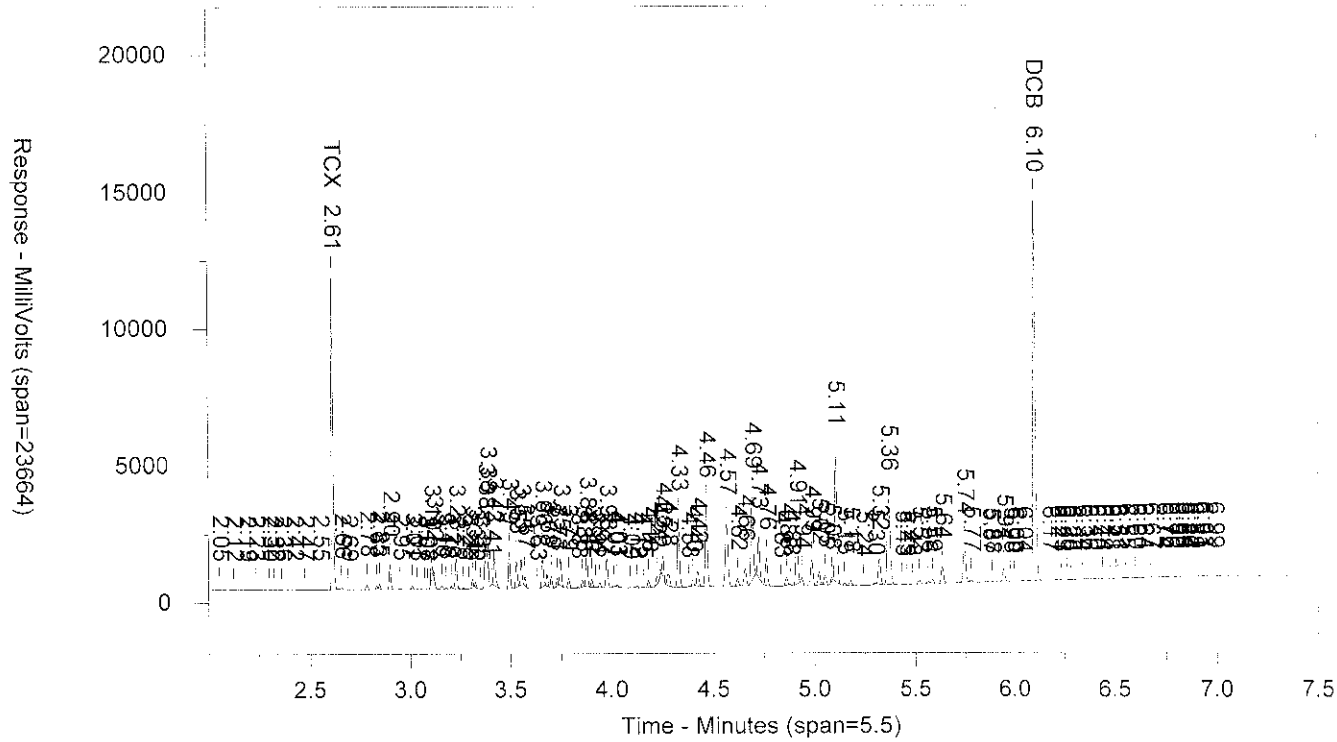

AR1641724B SIAR164SI CCAL 1730199999 10225 SW-846 8082

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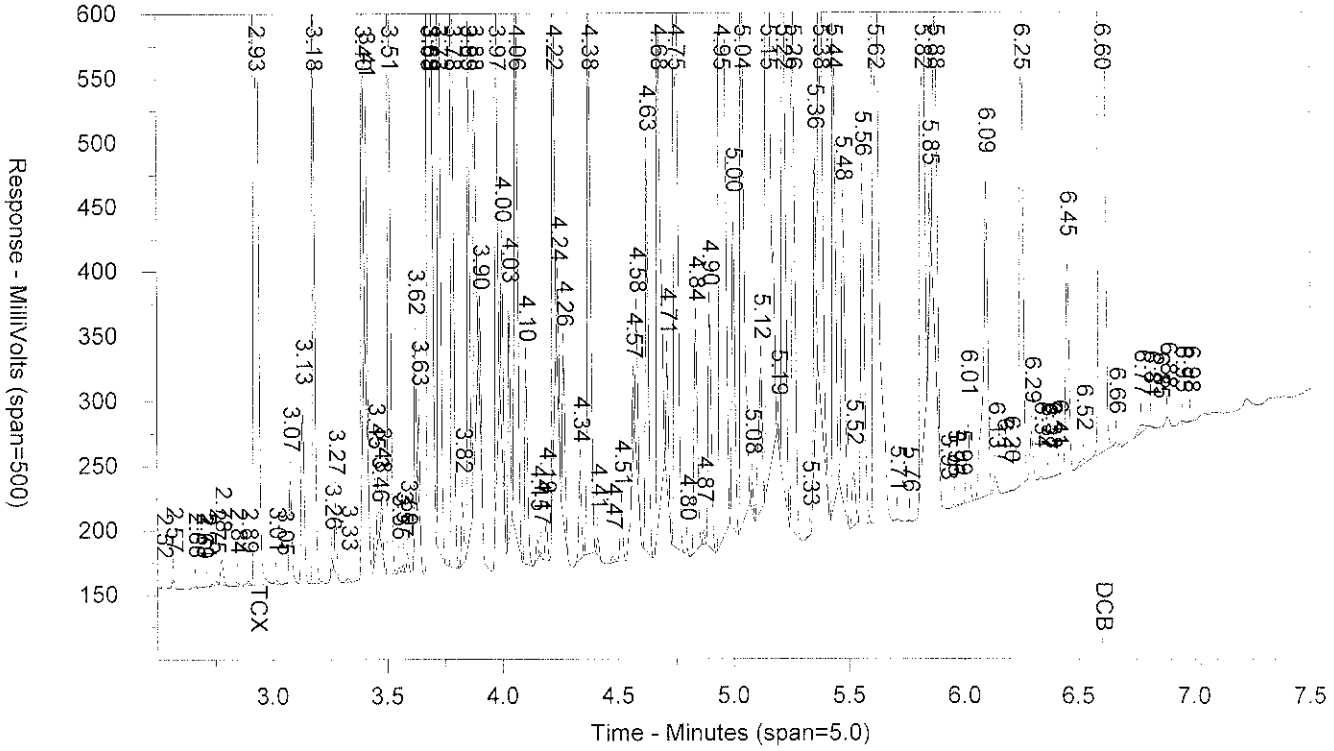

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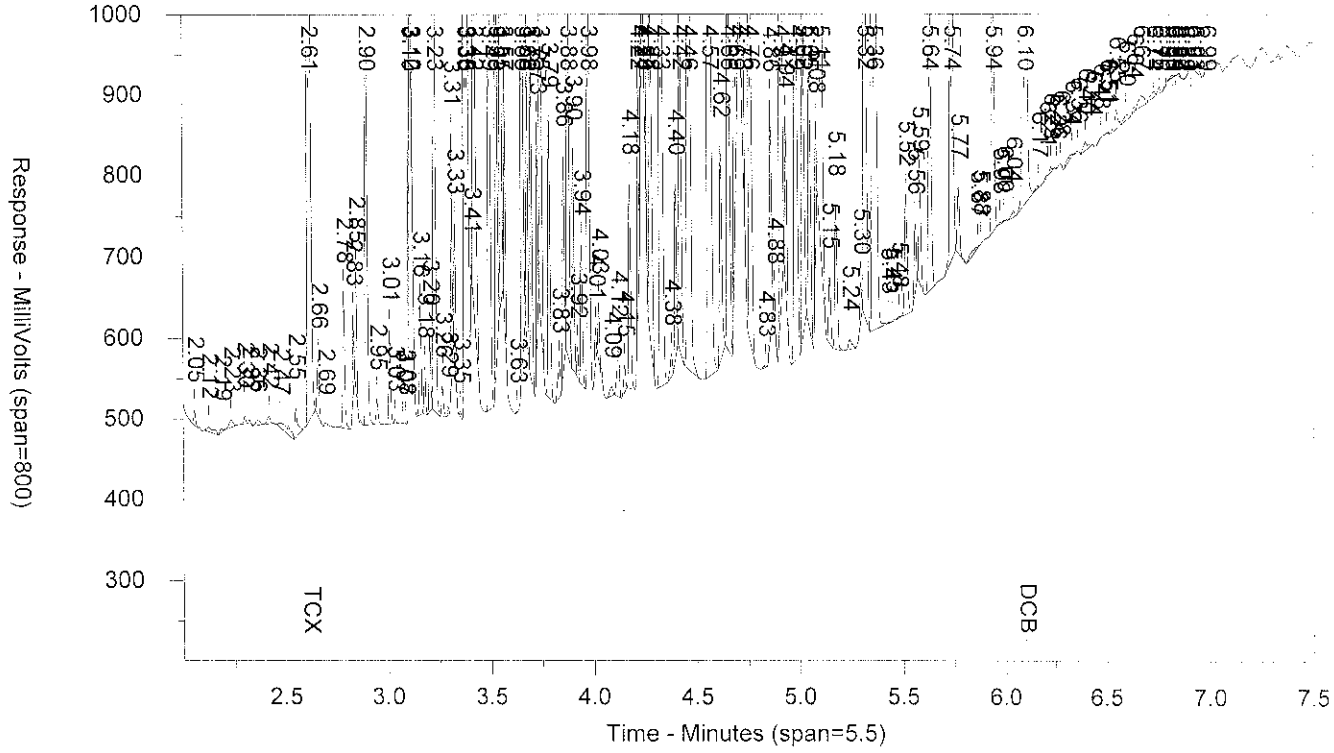


LANCASTER LABORATORIES

Sample Number: IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:57:31 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: 25pcbs17289010.092.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.033		5654	6065
2.081		27476	54668
2.157		779	244
2.203		345	87
2.229		13548	10353
2.328		19055	15743
2.365		4762	8074
2.486		6073	8163
2.532		1371	1714
2.564		635	539
2.608		521	288
2.647		837	567
2.693		461	173
2.746		2024	3371
2.776		20106	18376
2.843		1697	1760
2.875		576	438
2.891		2236	1730
2.928	TCX	3143472	2119201
3.015		1516	1562
3.077		402	324
3.092		1210	778
3.124		40356	25617
3.171		1411	1691
3.208		655	508
3.255		10675	9075
3.328		1137	867
3.356		335	80
3.381		1701	1237
3.404		1999	1659
3.443		538	461
3.48		1968	1550
3.502		1619	1088
3.524		404	202
3.545		994	743
3.565		4151	2504
3.601		2399	1932
3.654		8860	7134
3.688		1975	1191
3.717		3927	3460
3.757		1712	2956
3.808		1116	678
3.829		802	567
3.853		744	521
3.899		1595	1512
3.925		2298	2119
3.974		1641	2286
4.019		1584	1809
4.042		839	626
4.079		676	588
4.113		912	886
4.164		10089	11097
4.207		1364	1076
4.268		6509	10775

RT A	Compound A	Height A	Area A
4.33		569	429
4.358		7889	9377
4.423		1860	3940
4.484		1584	1949
4.502		902	684
4.546		36161	36349
4.605		7768	8980
4.674		987	934
4.709		2111	2305
4.743		2710	2965
4.807		529	709
4.832		699	372
4.851		773	452
4.871		2130	1528
4.901		989	729
4.967		2009	2005
5.027		5676	5155
5.078		48673	47668
5.111		3827	2895
5.152		1158	681
5.184		5732	6434
5.235		508	292
5.27		430	373
5.325		7138	12256
5.389		1547	5153
5.442		76147	89764
5.516		4647	5159
5.564		1532	2082
5.616		964	619
5.657		22477	39879
5.72		9240	8534
5.762		942	927
5.824		1653	2147
5.862		275	650
5.898		586	1015
5.921		2432	1928
5.939		323	105
5.959		2174	2903
6.015		22436	22431
6.077		27422	31163
6.132		31747	54661
6.215		5984	18840
6.245		2057	1768
6.291		6512	10840
6.36		614	675
6.377		1156	433
6.453		16084	15184
6.474		2601	1599
6.514		1458	1251
6.538		550	346
6.601	DCB	2213832	2306867
6.664		1036	893
6.677		709	281
6.718		940	1076
6.728		1224	307
6.756		645	236
6.769		1171	991
6.846		1191	1638
6.885		9636	14943
6.945		1555	1435
6.985		946	948

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:57:31 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: 25pcbs17289010B.092.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

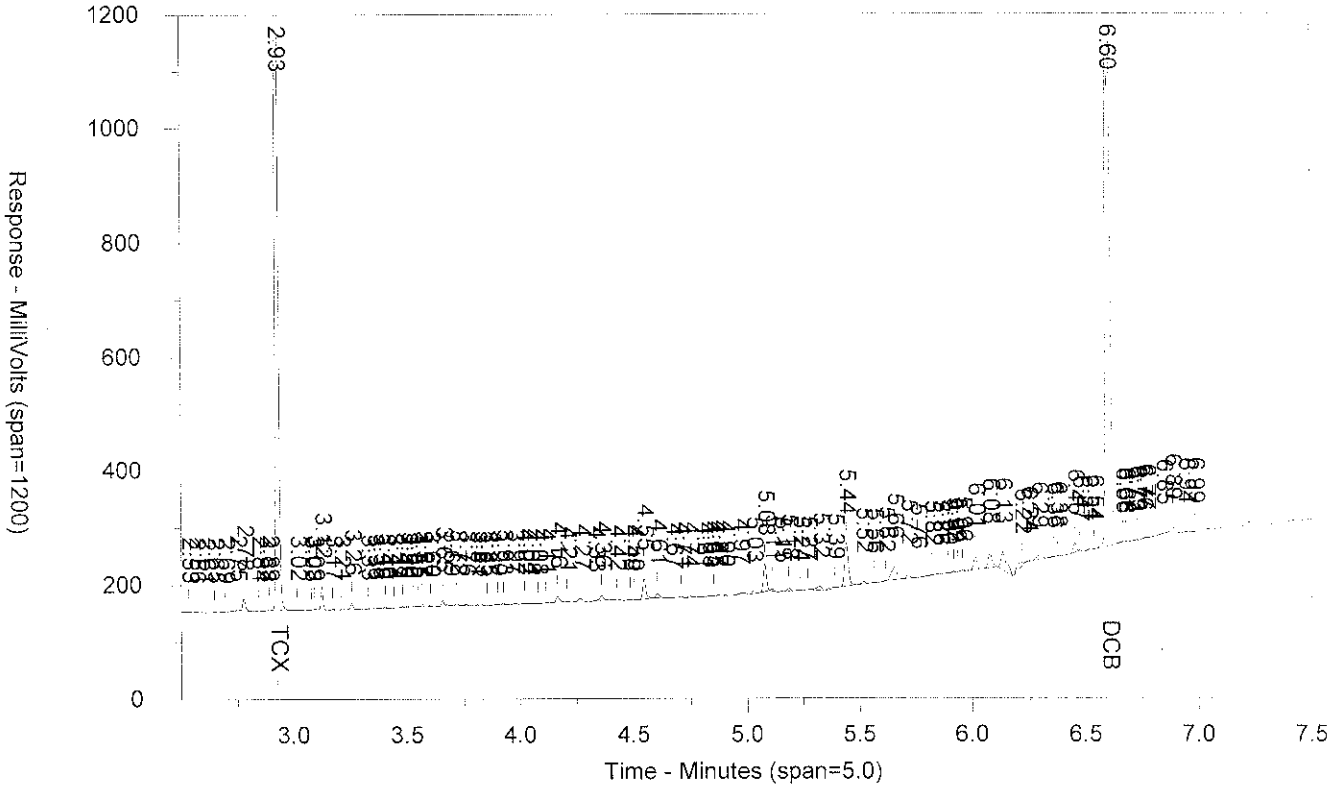
RT B	Compound B	Height B	Area B
2.054		9625	8976
2.122		3759	5430
2.216		560	5315
2.233		8028	8882
2.292		1382	1224
2.363		6144	6901
2.414		6085	8688
2.477		3677	6912
2.511		5352	8301
2.547		37828	31611
2.614	TCX	5579691	3287102
2.702		3494	4931
2.779		3665	1746
2.803		2682	1882
2.832		75163	45634
2.867		2959	6413
2.948		16259	12253
2.988		3718	4017
3.033		2446	1871
3.058		2418	1252
3.072		1053	609
3.117		3766	3531
3.139		821	206
3.156		3132	1587
3.173		1051	360
3.186		1343	798
3.204		1854	1313
3.219		784	107
3.224		949	200
3.23		860	238
3.239		620	105
3.25		919	179
3.267		2643	1796
3.29		8696	4854
3.307		578	99
3.315		672	255
3.328		6281	3745
3.354		11490	7253
3.381		2360	1923
3.395		689	135
3.41		320	102
3.419		540	141
3.433		626	228
3.451		2732	1358
3.466		1459	402
3.483		2804	1697
3.498		1982	889
3.518		440	158
3.528		3476	2167
3.563		8649	9304
3.594		1233	427
3.62		1834	641
3.639		3474	2512
3.66		530	55

RT B	Compound B	Height B	Area B
3.678		1079	193
3.716		6800	7992
3.734		1065	141
3.739		1522	290
3.753		715	276
3.783		3400	3556
3.794		929	121
3.818		3197	5371
3.881		1525	948
3.915		3178	1517
3.943		38054	40544
4.008		3710	3925
4.042		2012	1395
4.077		5147	3498
4.149		60935	69494
4.193		14821	13065
4.232		19586	24871
4.311		1041	762
4.33		2712	1595
4.356		1180	1157
4.375		2037	2150
4.415		1682	1810
4.438		7537	5976
4.466		2647	1453
4.489		4425	4110
4.529		3599	3605
4.59		4035	4022
4.634		72963	78714
4.673		3914	2395
4.709		1838	4191
4.728		5481	5186
4.762		2281	1760
4.783		907	500
4.807		1473	364
4.834		155185	150861
4.913		1629	1043
4.957		1942	1333
5.018		1299	4537
5.032		1407	666
5.055		6151	4805
5.109		2383	2474
5.144		1384	821
5.177		21139	19383
5.242		22343	21476
5.288		1177	916
5.339		79141	147471
5.406		23154	115880
5.464		11331	24415
5.519		56041	54146
5.587		62051	65635
5.637		11347	11566
5.687		2880	4466
5.722		23312	20828
5.749		1786	920
5.776		1680	2034
5.801		4951	5423
5.844		1439	2516
5.895		2202	3609
5.942		39873	34644
5.97		3604	2666
6.011		1023	2565
6.049		4295	6355
6.1	DCB	7343410	6142694
6.17		1411	309
6.193		5859	4495
6.256		3544	19180

RT B	Compound B	Height B	Area B
6.282		3277	2570
6.33		5984	8647
6.372		1998	3245
6.384		4635	3401
6.416		7473	11575
6.5		1448	8611
6.512		2730	1430
6.553		9070	12885
6.596		9264	12569
6.646		2752	4364
6.657		4602	2762
6.686		1021	1700
6.716		759	3980
6.723		5437	7209
6.786		13392	31923
6.823		4514	3882
6.877		13003	29238
6.923		4942	6478

IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289010.092.RAW



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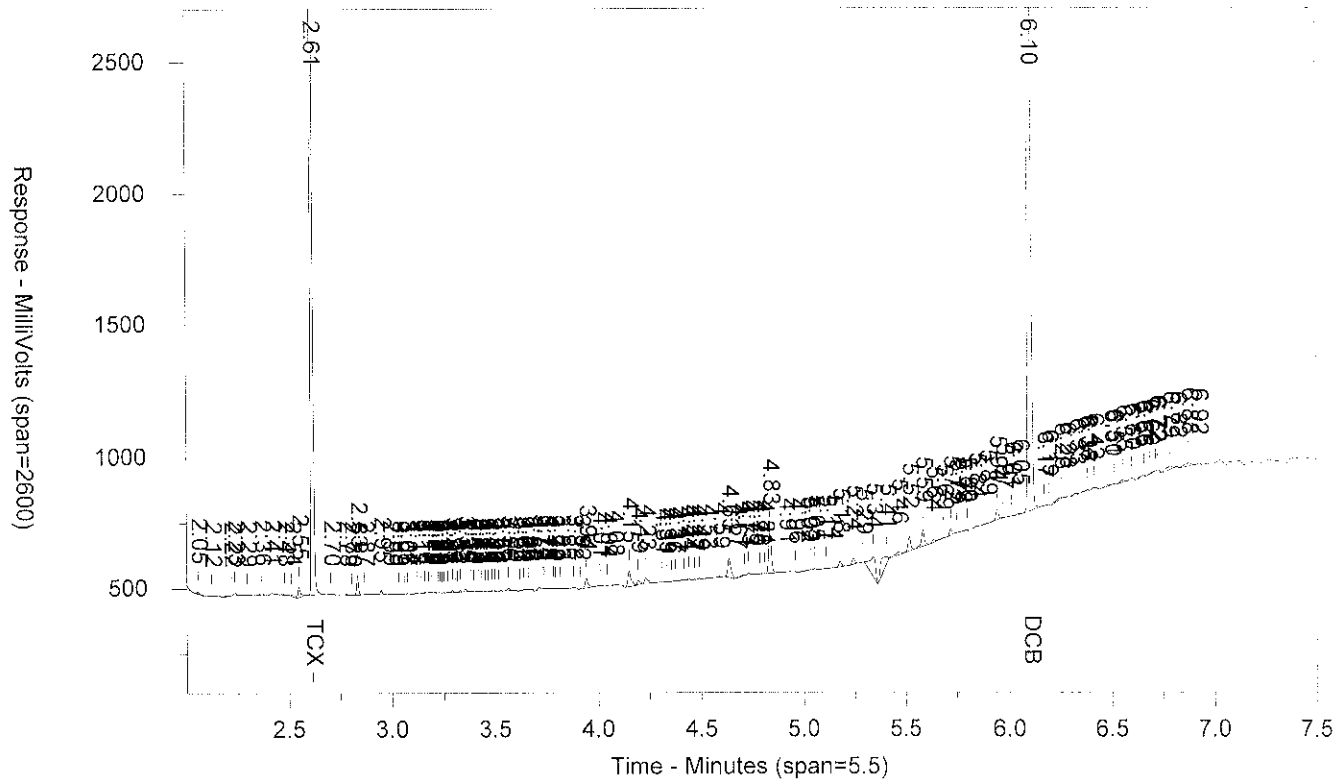


LANCASTER LABORATORIES

Sample Number: IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082
Injected On: 10/30/2017 8:57:31 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

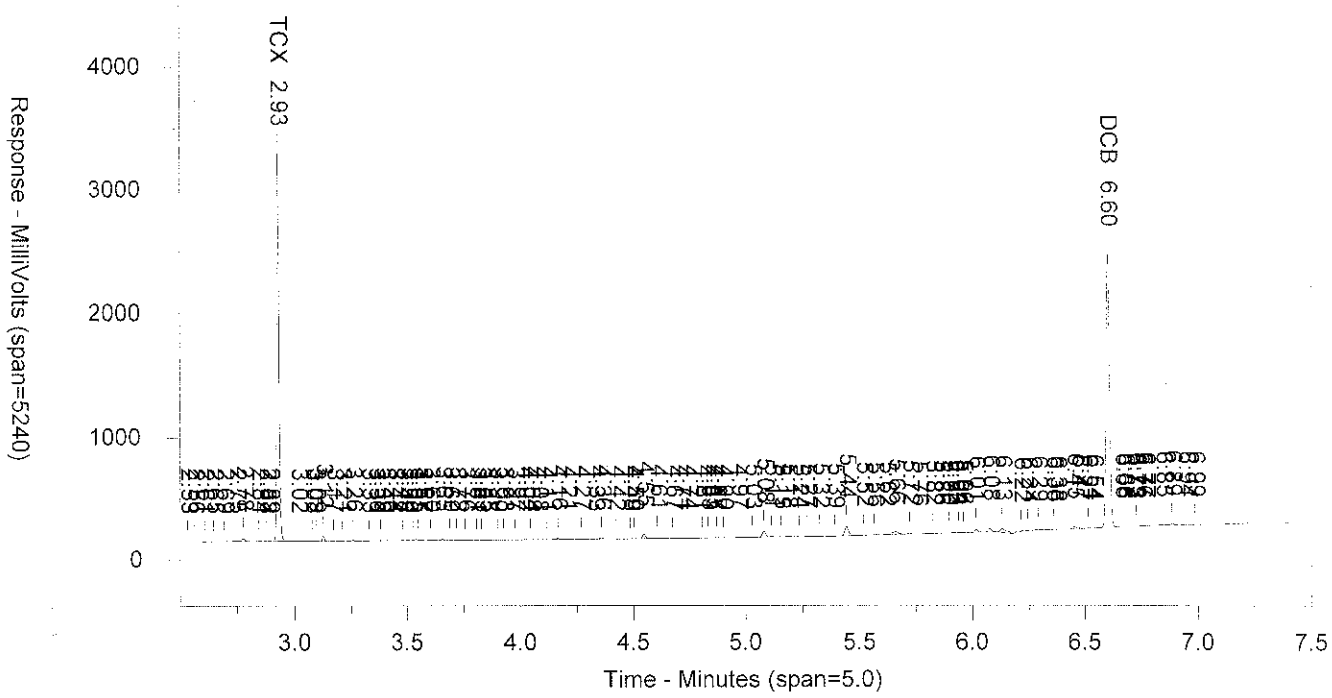
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.928	3143472	.214	TCX	2.614	5579691	.21	TCX
6.601	2213832	.194	DCB	6.1	7343410	.198	DCB

Files:
Area File: 25pcbs17289010.092.RAW
Area File: 25pcbs17289010B.092.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 9:06:01 AM
File Reported On: 10/30/2017 at 9:06:15 AM

IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17289010.092.RAW



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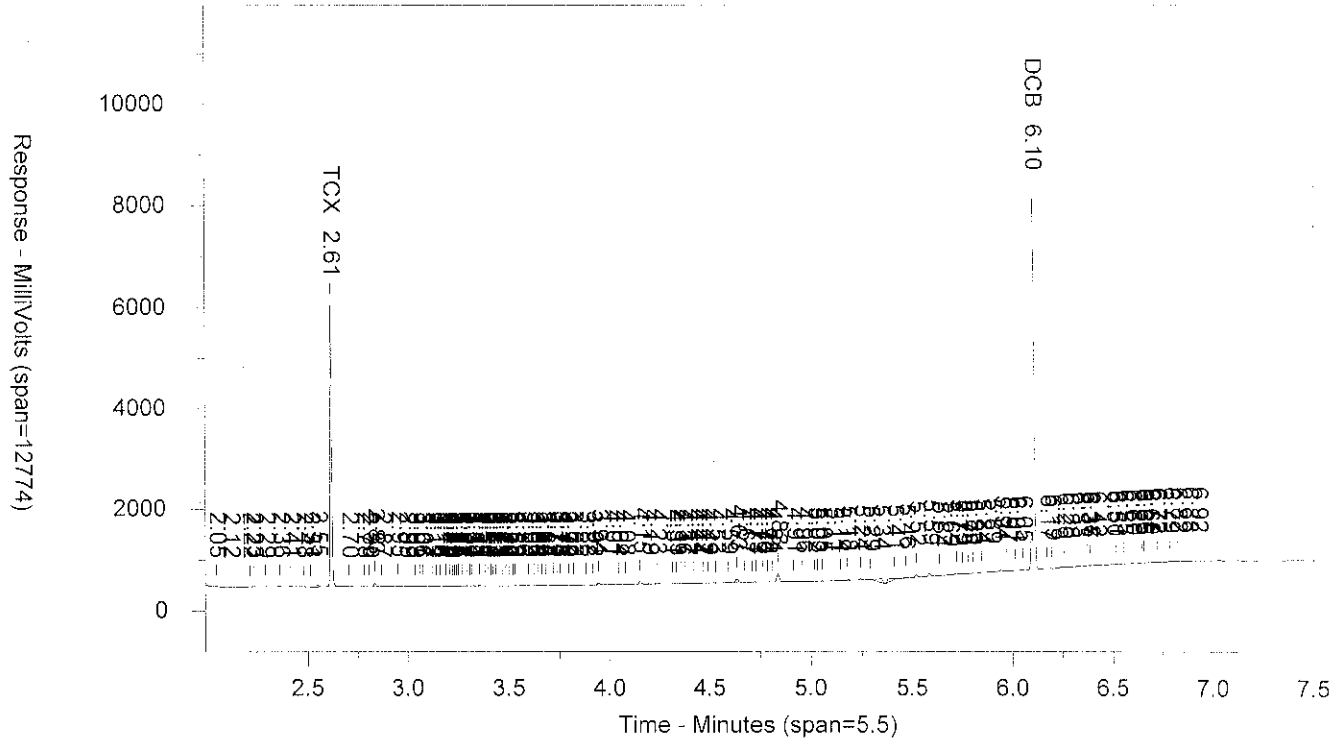

IBLKX1724B CPPIBLKCP PIBLK1730199999 10225 SW-846 8082

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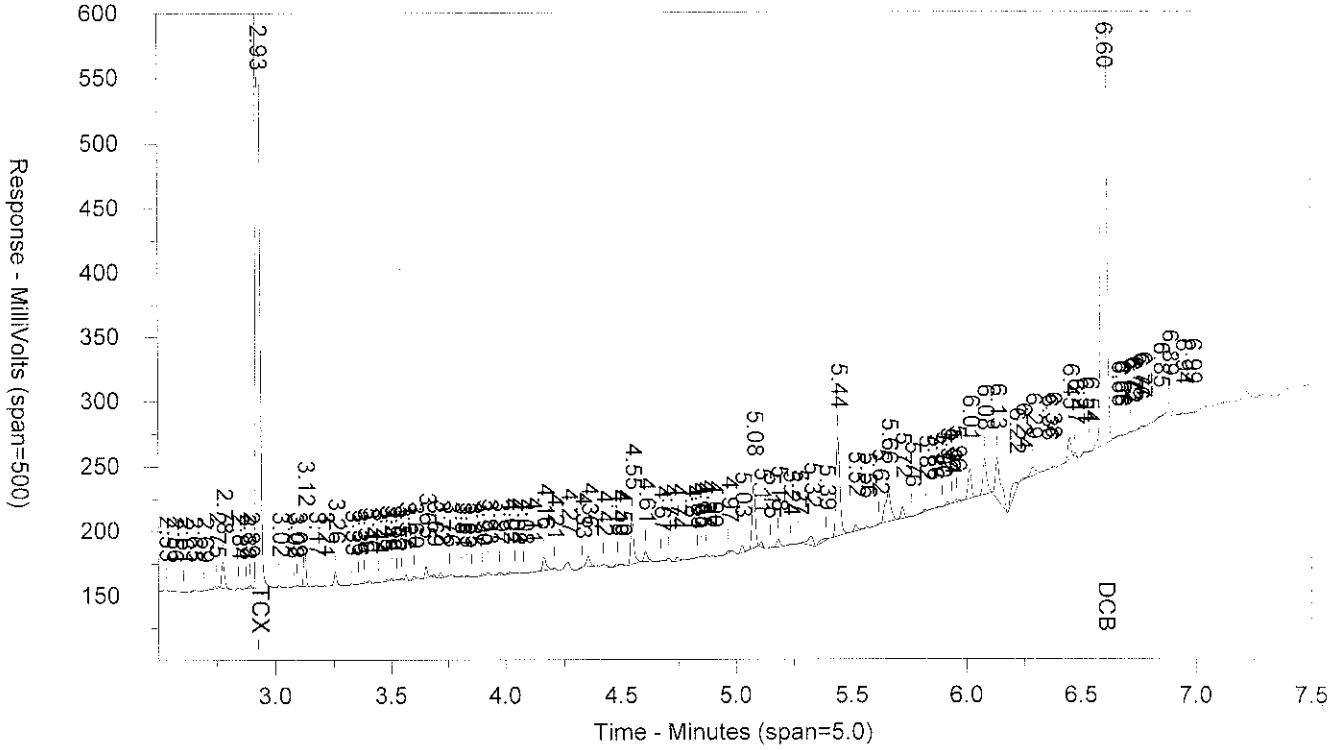

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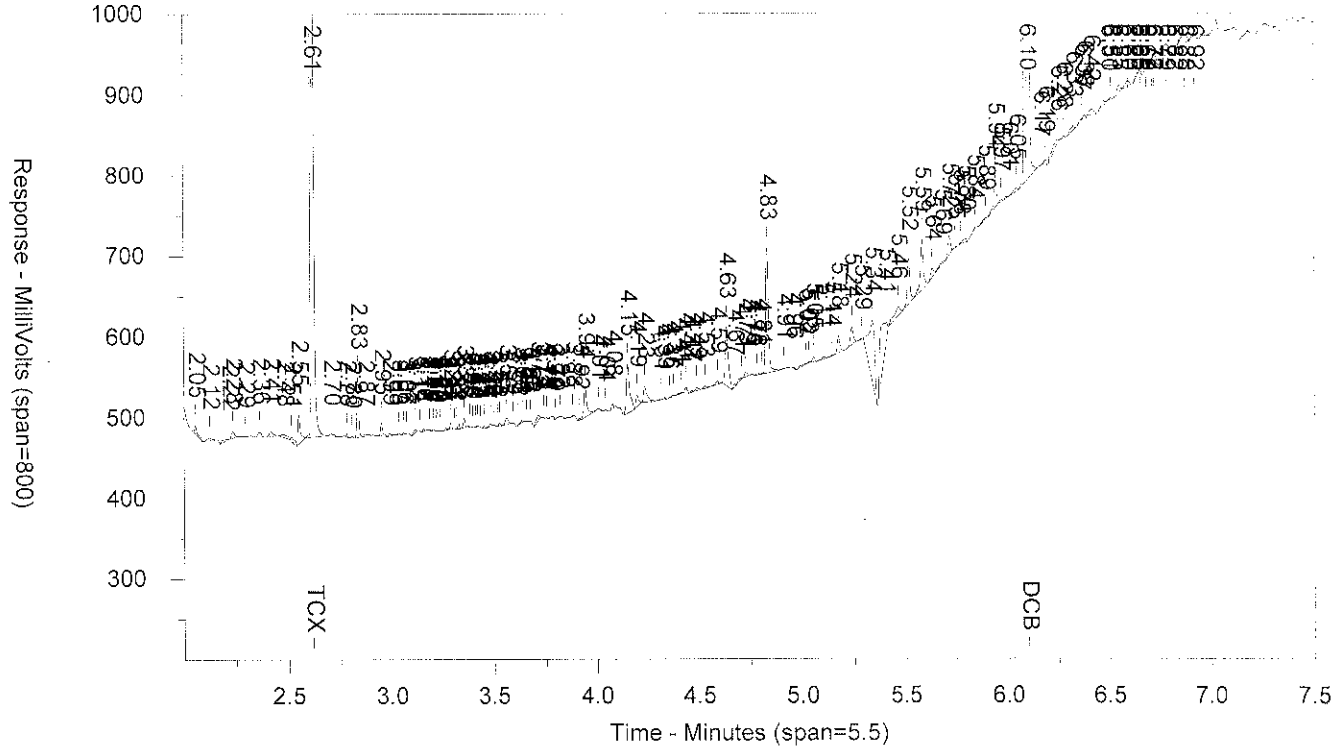

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/7/17 RI AC PBLK13279 BLK Sample ID: AB **Batchnumber: 172790013A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 10:08:52
Instrument	18274A
Result file	25PCBS17284001.069.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.95218

%SSR(DCB) 114% (48 - 164) Conc: 30.79853

Analysis Report (B)

Injected on	Oct 12, 2017 10:08:52
Instrument	18274B
Result file	25PCBS17284001B.069.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 99% (61 - 152) Conc: 30.18857

%SSR(DCB) 112% (48 - 164) Conc: 30.32212

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4669778	30.95218	Tetrachloro-m-xylene	2.58	2.61	2.64	8224478	30.18857
Decachlorobiphenyl	6.57	6.60	6.63	2968714	30.79853	Decachlorobiphenyl	6.07	6.10	6.13	9179593	30.32212

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	30.95218				2.50	
Tetrachloro-m-xylene-D1	A	30.95218					
Tetrachloro-m-xylene-D2	B	30.18857					
Decachlorobiphenyl	A	30.79853				1.56	
Decachlorobiphenyl-D1	A	30.79853					
Decachlorobiphenyl-D2	B	30.32212					

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 17 2017

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:48:42

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/7/17 RI AC PBLK13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274A
Result file : 25PCBS17284001.069.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.95218
%SSR(DCB) : 114% (48-164) Conc.: 30.79853

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	64.64	
3.16	3.18	3.20	1259.748	0.477299			1
+ 3.16	3.20	3.20	473.7037	0.179479			1
+ 3.38	3.39	3.42	463.7526	0.189963			2
3.38	3.41	3.42	1261.181	0.516608			2
3.49	3.51	3.53	615.3504	0.196765			3
3.71	3.72	3.75	1607.468	0.450293			4
3.96	3.97	4.00	2438.817	1.17412			6
Height Summation:			7182.5644				
Amount Avg CF:			0.563017	Linear:			
Aroclor-1221					3	168.29	
3.06	3.08	3.10	812.4263	0.721177			1
3.11	3.13	3.15	58104.8	58.587568			2
3.16	3.18	3.20	1259.748	0.408736			3
+ 3.16	3.20	3.20	473.7037	0.153697			3
Height Summation:			60176.9743				
Amount Avg CF:			19.905827	Linear:			
Aroclor-1232					5	83.91	
3.16	3.18	3.20	1259.748	0.46678			1
+ 3.16	3.20	3.20	473.7037	0.175524			1
+ 3.38	3.39	3.42	463.7526	0.461045			2
3.38	3.41	3.42	1261.181	1.253818			2
3.49	3.51	3.53	615.3504	0.453018			3
3.70	3.72	3.74	1607.468	0.973408			4
3.95	3.97	3.99	2438.817	2.938934			6
Height Summation:			7182.5644				
Amount Avg CF:			1.217192	Linear:			
Aroclor-1242					5	67.84	
3.16	3.18	3.20	1259.748	0.345599			1
+ 3.16	3.20	3.20	473.7037	0.129956			1
+ 3.37	3.39	3.41	463.7526	0.150237			2
3.37	3.41	3.41	1261.181	0.408572			2
3.49	3.51	3.53	615.3504	0.148627			3
3.70	3.72	3.74	1607.468	0.312565			4
3.95	3.97	3.99	2438.817	0.912687			6
Height Summation:			7182.5644				
Amount Avg CF:			0.42561	Linear:			
Aroclor-1248					4	39.94	
3.71	3.72	3.75	1607.468	0.825113			1
3.83	3.85	3.87	1914.843	0.751193			3
4.04	4.06	4.08	1644.038	0.658488			5
4.22	4.22	4.26	3521.692	1.47253			6
+ 4.22	4.24	4.26	1545.301	0.646139			6
Height Summation:			8688.041				
Amount Avg CF:			0.926831	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274B
Result file : 25PCBS17284001B.069.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 99% (61-152) Conc.: 30.18857
%SSR(DCB) : 112% (48-164) Conc.: 30.32212

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	156.47	
2.88	2.90	2.92	3027.736	0.633032			1
+ 3.21	3.22	3.25	26218.75	4.5271			2
3.21	3.24	3.25	39674.45	6.850448			2
+ 3.40	3.40	3.44	1169.86	0.20579			3
+ 3.40	3.42	3.44	313.9063	0.055219			3
3.40	3.43	3.44	1496.027	0.263166			3
+ 3.47	3.48	3.51	605.4542	0.096858			4
3.47	3.49	3.51	1286.39	0.205792			4
+ 3.53	3.55	3.57	5055.283	0.972107			5
3.53	3.57	3.57	7936.157	1.526086			5
+ 3.64	3.64	3.68	430.7906	0.082032			6
3.64	3.66	3.68	2376.328	0.452502			6
Height Summation:			55797.088				
Amount Avg CF:			1.655171	Linear:			
Aroclor-1221					3	165.77	
2.77	2.79	2.81	4292.152	1.866562			1
2.83	2.83	2.87	113283.6	81.518499			2
2.88	2.90	2.92	3027.736	0.539327			3
Height Summation:			120603.488				
Amount Avg CF:			27.974796	Linear:			
Aroclor-1232					6	155.82	
2.88	2.90	2.92	3027.736	0.594071			1
+ 3.21	3.22	3.25	26218.75	10.229767			2
3.21	3.24	3.25	39674.45	15.479776			2
+ 3.40	3.40	3.44	1169.86	0.462509			3
+ 3.40	3.42	3.44	313.9063	0.124104			3
3.40	3.43	3.44	1496.027	0.591461			3
+ 3.47	3.48	3.51	605.4542	0.232341			4
3.47	3.49	3.51	1286.39	0.493648			4
+ 3.53	3.55	3.57	5055.283	2.848311			5
3.53	3.57	3.57	7936.157	4.471489			5
+ 3.63	3.63	3.67	307.1634	0.151111			6
+ 3.63	3.64	3.67	430.7906	0.211931			6
3.63	3.66	3.67	2376.328	1.169052			6
Height Summation:			55797.088				
Amount Avg CF:			3.799916	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/7/17 RI AC PBLK13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274A
Result file : 25PCBS17284001.069.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	19.91	
4.55	4.57	4.59	7886.567	2.597238			1
4.61	4.63	4.65	10091.29	1.697161			2
4.73	4.75	4.77	3912.807	2.048101			3
4.82	4.84	4.86	8385.155	2.064541			4
5.02	5.03	5.06	5200.909	1.757826			5
5.13	5.15	5.17	11339.79	2.732628			6
Height Summation:			**46816.518**				
Amount Avg CF:			**2.149583**	Linear:			
Aroclor-1260					6	54.13	
4.73	4.75	4.77	3912.807	0.837548			1
4.93	4.95	4.97	3033.449	0.561669			2
+ 4.93	4.96	4.97	2460.751	0.455629			2
5.13	5.15	5.17	11339.79	1.731634			3
5.36	5.38	5.40	2560.533	0.735345			4
5.60	5.62	5.64	3722.894	0.428403			5
5.80	5.82	5.84	7963.695	1.451922			6
Height Summation:			**32533.168**				
Amount Avg CF:			**0.957754**	Linear:			
Aroclor-1262					6	43.48	
5.20	5.22	5.24	2648.615	0.485749			1
5.36	5.38	5.40	2560.533	0.538765			2
5.60	5.62	5.64	3722.894	0.346139			3
5.80	5.82	5.84	7963.695	1.123786			4
5.86	5.87	5.90	2505.89	0.747675			5
6.23	6.24	6.27	4095.427	1.01006			6
Height Summation:			**23497.054**				
Amount Avg CF:			**0.708696**	Linear:			
Aroclor-1268					6	177.66	
5.80	5.82	5.84	7963.695	0.652359			1
5.86	5.87	5.90	2505.89	0.227808			2
5.99	6.01	6.03	56577.77	5.529229			3
6.06	6.08	6.10	78940.93	27.705972			4
6.23	6.24	6.27	4095.427	0.922281			5
6.43	6.45	6.47	46064.19	1.354885			6
Height Summation:			**196147.902**				
Amount Avg CF:			**6.065422**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274B
Result file : 25PCBS17284001B.069.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					6	153.47	
2.88	2.90	2.92	3027.736	0.483455			1
+ 3.21	3.22	3.25	26218.75	3.477523			2
3.21	3.24	3.25	39674.45	5.262219			2
+ 3.40	3.40	3.44	1169.86	0.140791			3
+ 3.40	3.42	3.44	313.9063	0.037778			3
3.40	3.43	3.44	1496.027	0.180044			3
+ 3.47	3.48	3.51	605.4542	0.073701			4
3.47	3.49	3.51	1286.39	0.15659			4
+ 3.53	3.55	3.57	5055.283	0.8719			5
3.53	3.57	3.57	7936.157	1.368773			5
+ 3.63	3.63	3.67	307.1634	0.043911			6
+ 3.63	3.64	3.67	430.7906	0.061585			6
3.63	3.66	3.67	2376.328	0.339714			6
Height Summation:			**55797.088**				
Amount Avg CF:			**1.298466**	Linear:			
Aroclor-1248					6	62.56	
+ 3.40	3.40	3.44	1169.86	0.406722			1
+ 3.40	3.42	3.44	313.9063	0.109135			1
3.40	3.43	3.44	1496.027	0.52012			1
+ 3.47	3.48	3.51	605.4542	0.174987			2
3.47	3.49	3.51	1286.39	0.37179			2
+ 3.51	3.51	3.55	554.2096	0.097706			3
3.51	3.53	3.55	4735.353	0.83483			3
+ 3.64	3.64	3.68	430.7906	0.062017			4
3.64	3.66	3.68	2376.328	0.3421			4
3.73	3.73	3.77	1899.874	0.394497			5
+ 3.73	3.74	3.77	1064.455	0.221027			5
+ 3.73	3.76	3.77	482.9244	0.100276			5
3.86	3.88	3.90	11542.61	1.362911			6
Height Summation:			**23336.582**				
Amount Avg CF:			**0.637708**	Linear:			
Aroclor-1254					6	17.74	
4.22	4.24	4.26	20014.61	1.552241			1
4.31	4.33	4.35	15094.28	2.414813			2
4.38	4.40	4.42	17619.84	2.309953			3
4.44	4.46	4.48	13280.09	2.726472			4
4.59	4.61	4.63	14406.88	2.59898			5
4.67	4.69	4.71	21055.63	2.502499			6
Height Summation:			**101471.33**				
Amount Avg CF:			**2.350826**	Linear:			
Aroclor-1260					6	21.96	
4.31	4.33	4.35	15094.28	1.380586			1
4.44	4.46	4.48	13280.09	1.132347			2
4.55	4.56	4.59	13946.84	1.432328			3
4.89	4.91	4.93	7637.035	1.010104			4
5.09	5.10	5.13	12790.88	0.747041			5
5.34	5.36	5.38	15675.87	1.239791			6
Height Summation:			**78424.995**				
Amount Avg CF:			**1.157033**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/7/17 RI AC PBLK13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274A
Result file : 25PCBS17284001.069.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 10:08:52
Instrument : CP25--18274B
Result file : 25PCBS17284001B.069.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**6**	**48.07**	
+ 4.70	4.72	4.74	1191.901	0.101719			1
4.70	4.74	4.74	2882.697	0.246015			1
4.89	4.91	4.93	7637.035	0.689174			2
+ 5.08	5.08	5.12	6415.75	0.277575			3
5.08	5.10	5.12	12790.88	0.553393			3
+ 5.30	5.30	5.34	1413.212	0.154092			4
5.30	5.32	5.34	2988.853	0.325895			4
5.34	5.36	5.38	15675.87	0.998343			5
+ 5.72	5.72	5.76	1616.324	0.152736			6
5.72	5.74	5.76	5798.178	0.547906			6

Height Summation: **47773.513**
Amount Avg CF: **0.560121** Linear:

Aroclor-1268					**6**	**180.35**	
+ 5.30	5.30	5.34	1413.212	0.051738			1
5.30	5.32	5.34	2988.853	0.109423			1
5.35	5.36	5.39	15675.87	0.565316			2
5.50	5.52	5.54	122533.6	4.848363			3
5.57	5.59	5.61	160400.1	23.254356			4
+ 5.72	5.72	5.76	1616.324	0.145605			5
5.72	5.74	5.76	5798.178	0.522323			5
5.92	5.94	5.96	95561.1	0.947254			6

Height Summation: **402957.701**
Amount Avg CF: **5.041173** 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		** 98.47	4	40	
Aroclor-1221			51	15.3		33.70	3	5	
Aroclor-1232			51	12.3		** 102.96	4	10	
Aroclor-1242			51	12.3		** 101.25	4	30	
Aroclor-1248			51	9.9		36.96	4	40	
Aroclor-1254			51	13.2		8.94	4	40	
Aroclor-1260			51	11.7		18.85	4	40	
Aroclor-1262			51	9.9		23.42	4	40	
Aroclor-1268			51	9.9		18.44	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:08:52 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: 25PCBS17284001.069.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.037		6856	7081
2.085		8553	11264
2.138		243615	179160
2.204		8820	5537
2.234		5704	3900
2.258		5267	3510
2.33		87541	62995
2.372		971	661
2.396		107722	70389
2.442		8692	6148
2.475		1053	674
2.491		4411	2316
2.508		17955	10528
2.54		734	885
2.565		273	174
2.596		3773	3604
2.663		11972	8330
2.686		1646	790
2.706		2464	1606
2.739		11821	13850
2.776		1961	1227
2.795		2024	963
2.813		560	193
2.828		490	200
2.856		1959	1653
2.875		1389	757
2.895		2498	1740
2.931	TCX	4669779	3191020
2.993		1028	684
3.053		2435	1464
3.078		812	669
3.104		498	397
3.127		58105	40903
3.152		1227	602
3.177		1260	970
3.198		474	219
3.215		2104	1134
3.236		919	642
3.258		12953	9431
3.286		862	739
3.331		735	579
3.39		464	394
3.411		1261	1181
3.47		4770	2771
3.488		5555	3205
3.507		615	393
3.545		12239	9375
3.591		22506	20790
3.656		19506	13834
3.716		1607	2276
3.852		1915	1429
3.879		2402	1712
3.901		1871	1182
3.928		2776	2163

RT A	Compound A	Height A	Area A
3.97		2439	3809
4.027		1977	1604
4.063		1644	1971
4.102		1812	2120
4.135		467	338
4.167		4639	3896
4.221		3522	2768
4.242		1545	819
4.268		8225	9506
4.336		1073	861
4.374		5430	6407
4.412		3230	3129
4.453		716	596
4.471		543	405
4.515		4156	3745
4.566		7887	7584
4.625		10091	11512
4.678		1201	1571
4.709		1791	1504
4.75		3913	4040
4.798		1146	1101
4.836		8385	10000
4.872		20914	21720
4.95		3033	2490
4.962		2461	1940
5		1643	1323
5.035		5201	5015
5.057		1653	1117
5.082		913	609
5.112		27804	27716
5.152		11340	10170
5.195		1460	1073
5.223		2649	2694
5.263		1727	1961
5.323		3814	4667
5.356		3501	2574
5.381		2561	1974
5.437		1973	1653
5.472		4571	5235
5.516		23662	24797
5.557		3464	2944
5.616		3723	2486
5.641		43999	42737
5.72		2613	2887
5.761		533	249
5.82		7964	7644
5.87		2506	4678
5.927		573	132
5.956		2584	3246
5.982		349	162
6.012		56578	56425
6.076		78941	95769
6.161		585	1112
6.193		428	150
6.215		474	95
6.243		4095	4784
6.288		2031	2908
6.336		479	692
6.377		2784	3198
6.41		491	423
6.45		46064	50187
6.512		1861	2190
6.526		767	267
6.598	DCB	2968715	2999634
6.698		666	252
6.761		2432	3494

RT A	Compound A	Height A	Area A
6.811		373	393
6.882		7270	20955
6.982		637	384

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:08:52 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.069.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.04		11561	10084
2.097		5517	2351
2.115		201218	134449
2.2		40703	30924
2.233		3370	3115
2.266		7870	6373
2.328		24008	14333
2.363		2852	3666
2.396		7225	4894
2.434		25674	17697
2.462		9518	7882
2.499		6427	3672
2.531		5567	6328
2.568		2106	1376
2.591		5172	2478
2.615	TCX	8224478	4888189
2.716		2509	2803
2.736		10493	5404
2.754		6727	4612
2.788		4292	2692
2.813		3550	1833
2.832		113284	67602
2.897		3028	3940
2.922		4744	3032
2.948		20839	14167
2.995		5465	3775
3.028		4829	2434
3.048		1392	1043
3.07		2976	1421
3.085		2410	1661
3.117		1155	804
3.123		1096	256
3.147		9867	5475
3.167		1512	555
3.183		12029	6851
3.2		782	509
3.224		26219	14507
3.244		39674	21270
3.257		1830	372
3.281		803	185
3.29		932	353
3.321		30308	16550
3.333		2395	1123
3.347		442	66
3.354		2151	942
3.386		4570	4696
3.405		1170	562
3.422		314	53
3.429		1496	1207
3.452		800	177
3.467		856	95
3.48		605	129
3.494		1286	615
3.513		554	327

RT B	Compound B	Height B	Area B
3.527		4735	3438
3.552		5055	2717
3.569		7936	6848
3.6		615	103
3.628		719	481
3.635		307	95
3.64		431	141
3.656		2376	1126
3.677		5589	3876
3.701		4675	3178
3.733		1900	1341
3.743		1064	379
3.759		483	223
3.768		557	111
3.778		1312	274
3.784		1770	827
3.829		4606	5685
3.878		11543	8059
3.901		6846	3899
3.921		2018	1021
3.943		12923	9591
3.975		11415	7729
4.006		7310	4004
4.025		4070	3870
4.077		11009	9773
4.117		6482	5870
4.15		12607	8966
4.174		5486	3836
4.211		2702	2274
4.235		20015	16366
4.273		2946	2281
4.328		15094	16169
4.362		3617	2651
4.395		17620	12421
4.418		2568	1170
4.436		40291	29267
4.462		13280	8870
4.562		13947	17386
4.615		14407	11676
4.663		58043	45604
4.692		21056	18874
4.723		1192	462
4.737		2883	1664
4.763		2843	3057
4.832		1727	1132
4.878		1807	2316
4.91		7637	5894
4.935		7850	5709
4.977		7171	8497
5.055		45526	44791
5.083		6416	4197
5.104		12791	10082
5.176		84240	74858
5.249		639	742
5.301		1413	2242
5.317		2989	1816
5.339		2683	1933
5.365		15676	16494
5.422		1049	1146
5.471		1277	1527
5.517		122534	108309
5.585		160400	141929
5.634		40819	33061
5.663		3548	2410
5.722		1616	2071
5.743		5798	4592

RT B	Compound B	Height B	Area B
5.803		3650	4953
5.849		6073	8541
5.869		1723	1151
5.905		1343	926
5.938		95561	79417
5.97		3719	2814
6.021		2645	2322
6.056		2930	3552
6.097	DCB	9179593	7729162
6.163		16426	25393
6.243		6432	17901
6.324		1604	1503
6.34		1978	788
6.362		1597	1178
6.405		3603	2565
6.432		2587	2968
6.469		1183	732
6.49		477	744
6.508		1915	2276
6.566		1718	2177
6.644		942	5605
6.699		496	3014
6.74		1968	3499
6.799		754	3889
6.812		760	386
6.829		1105	280
6.846		1519	972
6.906		1160	3447
6.915		1503	614

BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 80

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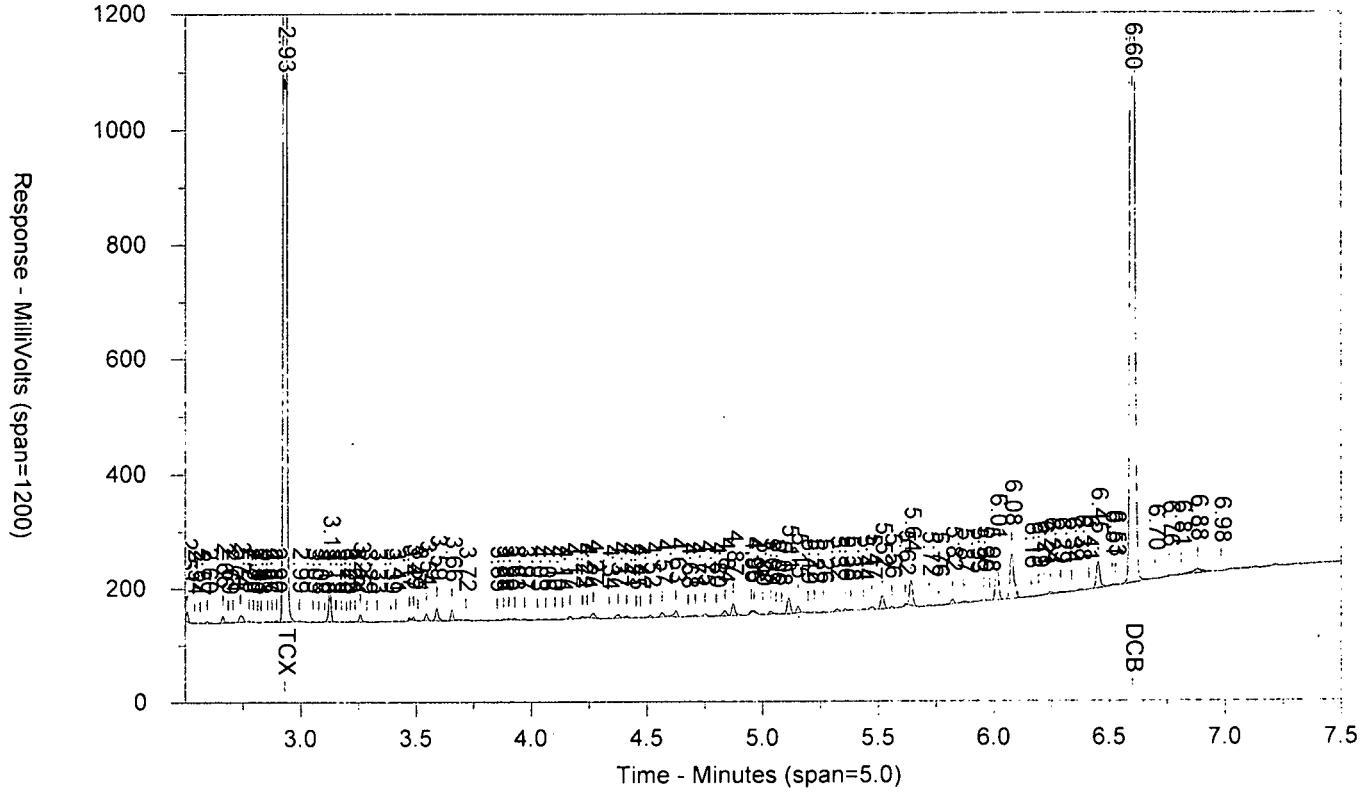

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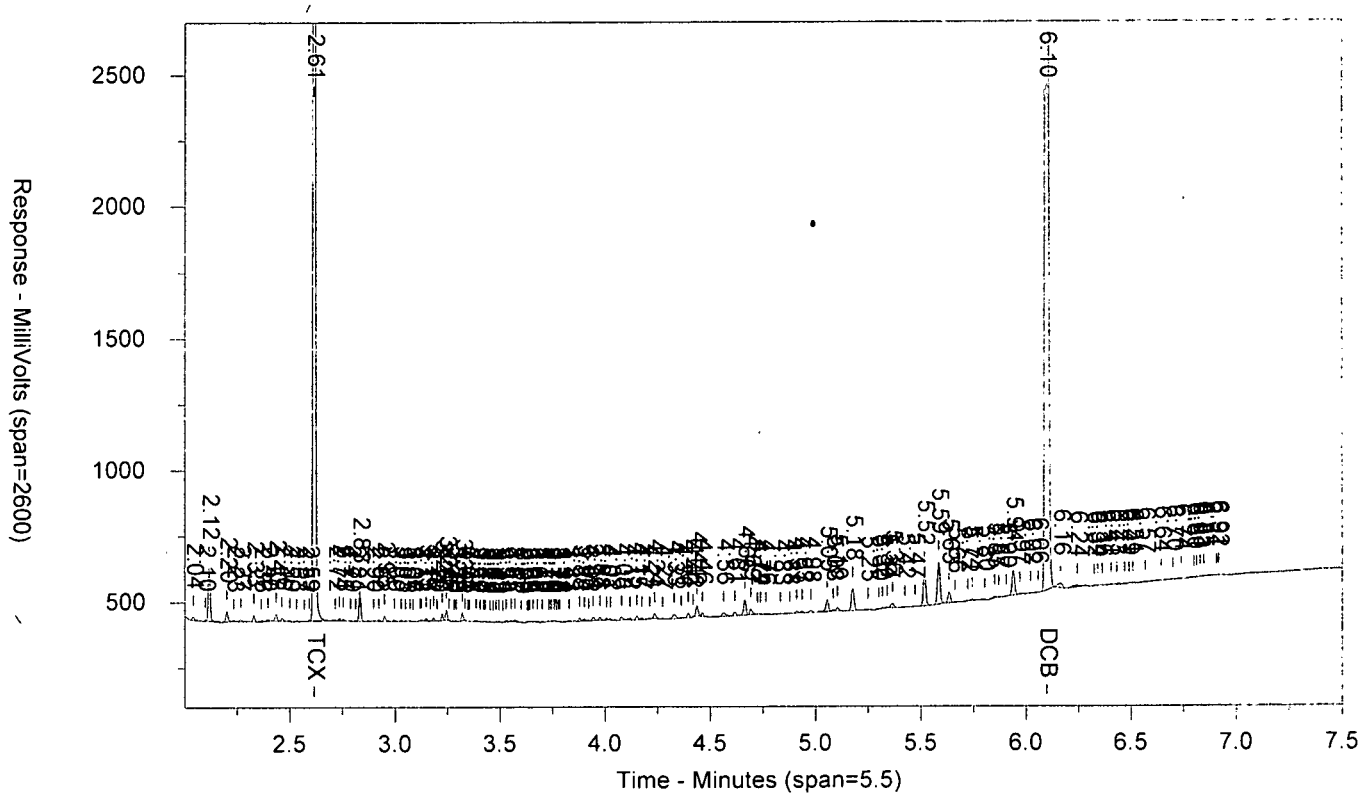

LANCASTER LABORATORIES

Sample Number: BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:08:52 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
2.931	4669779	30.952	TCX	2.615	8224478	30.189	TCX
6.598	2968715	30.799	DCB	6.097	9179593	30.322	DCB

Files:
Area File: 25PCBS17284001.069.RAW
Area File: 25PCBS17284001B.069.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 4:36:35 PM

BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 80

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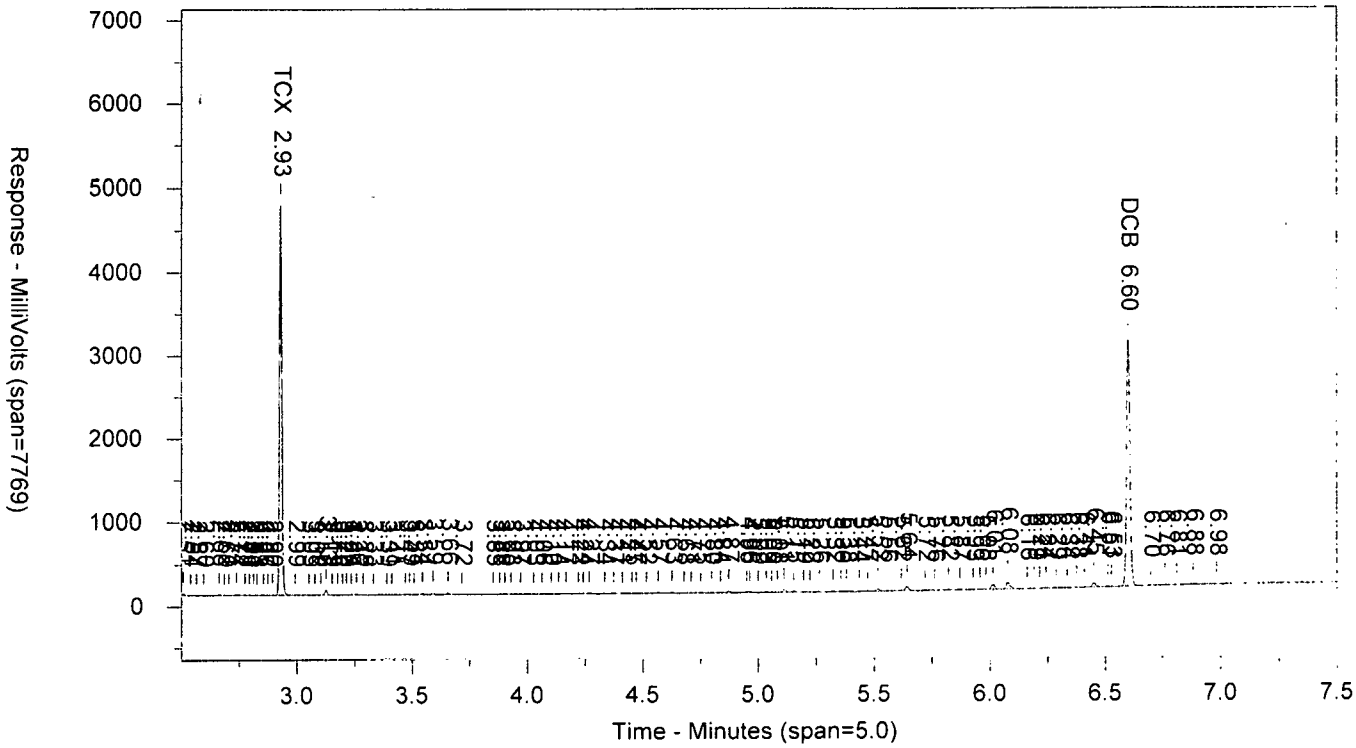

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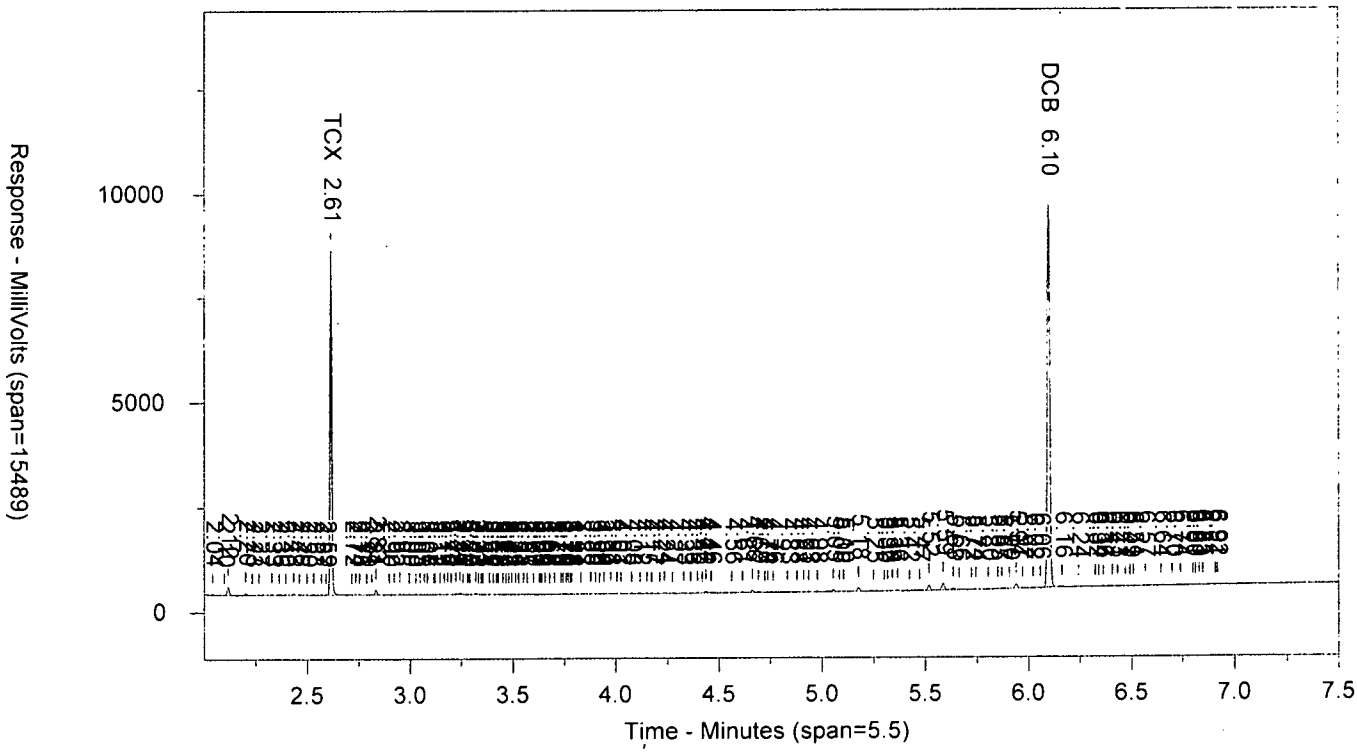

BLANKA 10/7/17 RI ACABPBLK13279 BLK 172790013A 10225 SW-846 808

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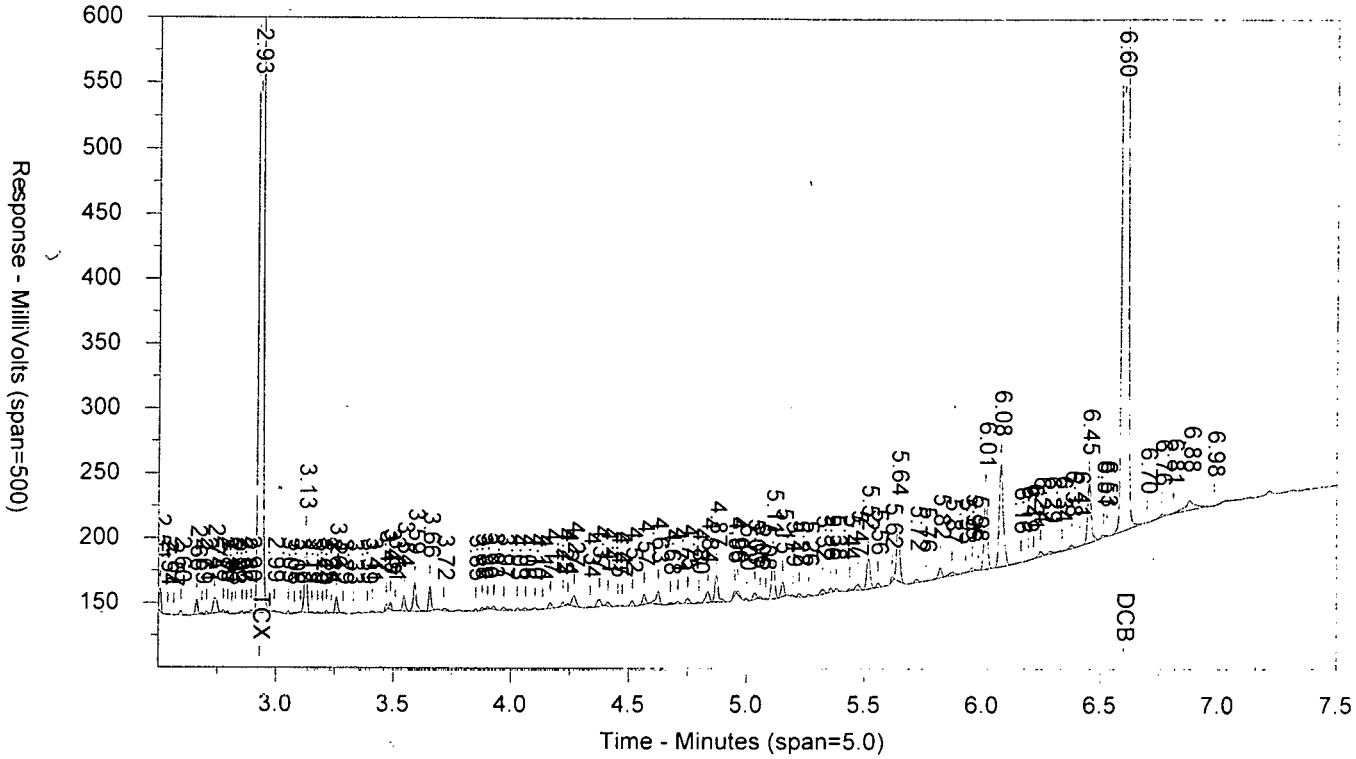

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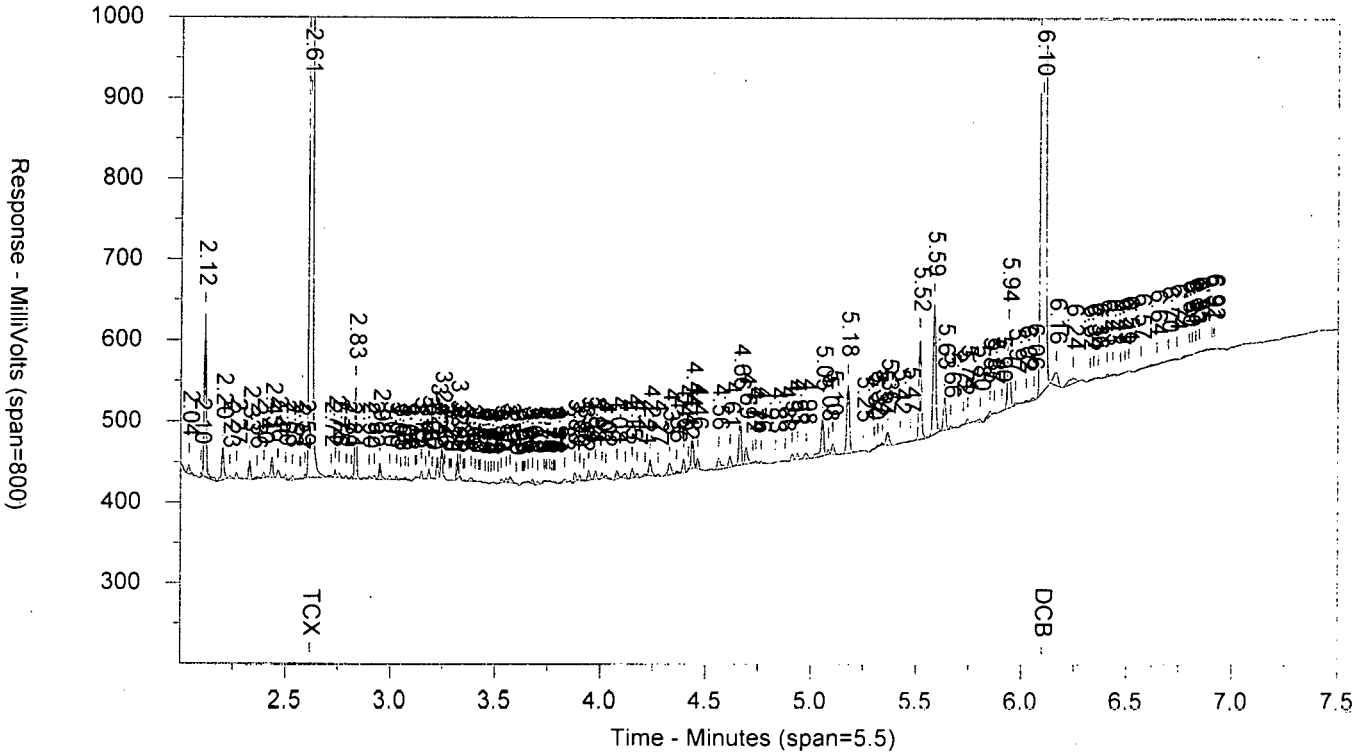

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/7/17 RI ACF LCS13279 LCS Sample ID: AB **Batchnumber: 172790013A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 10:20:04
Instrument	18274A
Result file	25PCBS17284001.070.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.96393

%SSR(DCB) 109% (48 - 164) Conc: 29.48107

Analysis Report (B)

Injected on	Oct 12, 2017 10:20:04
Instrument	18274B
Result file	25PCBS17284001B.070.RAW
Calibration file	25PCBS1728401B
Method file	25PCBSB

%SSR(TCX) 104% (61 - 152) Conc: 31.82737

%SSR(DCB) 115% (48 - 164) Conc: 31.3309

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4671552	30.96393
Decachlorobiphenyl	6.57	6.60	6.63	2841722	29.48107

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.58	2.61	2.64	8670947	31.82737
Decachlorobiphenyl	6.07	6.10	6.13	9484988	31.3309

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.82737				2.75	
Tetrachloro-m-xylene-D1	A	30.96393					
Tetrachloro-m-xylene-D2	B	31.82737					
Decachlorobiphenyl	B	31.3309				6.08	
Decachlorobiphenyl-D1	A	29.48107					
Decachlorobiphenyl-D2	B	31.3309					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.28**	
3.16	3.18	3.20	1199773	454.575455			1
3.38	3.39	3.42	1094776	448.444828			2
3.49	3.51	3.53	1406956	449.888839			3
3.71	3.72	3.75	1756639	492.080103			4
3.76	3.78	3.80	1535449	497.488314			5
3.96	3.97	4.00	1037116	499.299063			6
Height summation:			**8030709**				
Concentration		CF:	**473.629434**	L:			
Aroclor-1260						**4.16**	
4.73	4.75	4.77	2385525	510.629014			1
4.93	4.95	4.97	2872676	531.900531			2
5.13	5.15	5.17	3660998	559.050038			3
5.36	5.38	5.40	1767523	507.604833			4
5.60	5.62	5.64	4848638	557.9453			5
5.80	5.82	5.84	2909376	530.430374			6
Height summation:			**18444736**				
Concentration		CF:	**532.926682**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**8.31**	
2.88	2.90	2.92	2028155	424.041789			1
3.21	3.23	3.25	2552501	440.731414			2
3.40	3.42	3.44	2898092	509.802289			3
3.47	3.49	3.51	3184385	509.425996			4
3.53	3.55	3.57	2442522	469.685557			5
3.64	3.65	3.68	2716356	517.250902			6
Height summation:			**15822011**				
Concentration		CF:	**478.489658**	L:			
Aroclor-1260						**4.27**	
4.31	4.33	4.35	5872241	537.099591			1
4.44	4.46	4.48	7071110	602.928893			2
4.55	4.56	4.59	5497618	564.600578			3
4.89	4.91	4.93	4214368	557.408878			4
5.09	5.10	5.13	10190000	595.138781			5
5.34	5.36	5.38	7242493	572.802711			6
Height summation:			**40087830**				
Concentration		CF:	**571.663239**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/15/2017 15:48:44

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/7/17 RI ACF LCS13279 LCS Sample ID: AB **Batchnumber: 172790013A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 10:20:04
Instrument	18274A
Result file	25PCBS17284001.070.RAW
Calibration file	25PCBS1728401
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 10:20:04
Instrument	18274B
Result file	25PCBS17284001B.070.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	478.489658	51	9.9		1.02	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	571.663239	51	11.7		7.01	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	1050.152897	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 15:48:44

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/7/17 RI ACF LCS13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.070.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.96393
%SSR(DCB) : 109% (48-164) Conc.: 29.48107

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.28	
3.16	3.18	3.20	1199773	454.575455			1
3.38	3.39	3.42	1094776	448.444828			2
+ 3.38	3.41	3.42	518648.3	212.449988			2
3.49	3.51	3.53	1406956	449.888839			3
3.71	3.72	3.75	1756639	492.080103			4
3.76	3.78	3.80	1535449	497.488314			5
3.96	3.97	4.00	1037116	499.299063			6
Height Summation:			8030709				
Amount Avg CF:			473.629434	Linear:			
Aroclor-1221					3	34.59	
3.06	3.08	3.10	224475.3	199.262927			1
E 3.11	3.13	3.15	254532.6	256.647403			2
E 3.16	3.18	3.20	1199773	389.276766			3
Height Summation:			1678780.9				
Amount Avg CF:			281.729032	Linear:			
Aroclor-1232					6	29.25	
E 3.16	3.18	3.20	1199773	444.55736			1
E 3.38	3.39	3.42	1094776	1088.384589			2
E+ 3.38	3.41	3.42	518648.3	515.62038			2
E 3.49	3.51	3.53	1406956	1035.794561			3
E 3.70	3.72	3.74	1756639	1063.739471			4
E 3.76	3.78	3.80	1535449	1259.645633			5
E 3.95	3.97	3.99	1037116	1249.792565			6
Height Summation:			8030709				
Amount Avg CF:			1023.652363	Linear:			
Aroclor-1242					6	7.21	
E 3.16	3.18	3.20	1199773	329.145445			1
E 3.37	3.39	3.41	1094776	354.663155			2
+ 3.37	3.41	3.41	518648.3	168.021077			2
E 3.49	3.51	3.53	1406956	339.826386			3
E 3.70	3.72	3.74	1756639	341.570497			4
E 3.76	3.78	3.80	1535449	389.119251			5
E 3.95	3.97	3.99	1037116	388.123332			6
Height Summation:			8030709				
Amount Avg CF:			357.074678	Linear:			
Aroclor-1248					6	62.59	
E 3.71	3.72	3.75	1756639	901.68201			1
3.76	3.78	3.80	1535449	910.692136			2
3.83	3.85	3.87	930935.8	365.205988			3
3.98	4.00	4.02	343581.8	434.422439			4
4.04	4.06	4.08	1163799	466.137523			5
4.22	4.24	4.26	158997.8	66.481971			6
Height Summation:			5889402.4				
Amount Avg CF:			524.103678	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.070.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 104% (61-152) Conc.: 31.82737
%SSR(DCB) : 115% (48-164) Conc.: 31.3309

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	8.31	
2.88	2.90	2.92	2028155	424.041789			1
3.21	3.23	3.25	2552501	440.731414			2
+ 3.40	3.40	3.44	111813.3	19.669036			3
3.40	3.42	3.44	2898092	509.802289			3
3.47	3.49	3.51	3184385	509.425996			4
3.53	3.55	3.57	2442522	469.685557			5
+ 3.53	3.57	3.57	689902.8	132.665082			5
3.64	3.65	3.68	2716356	517.250902			6
Height Summation:			15822011				
Amount Avg CF:			478.489658	Linear:			
Aroclor-1221					3	28.09	
E 2.77	2.79	2.81	470614.7	204.659969			1
+ 2.83	2.83	2.87	72421.05	52.113945			2
E 2.83	2.85	2.87	379118.4	272.812329			2
E 2.88	2.90	2.92	2028155	361.272946			3
Height Summation:			2877888.1				
Amount Avg CF:			279.581748	Linear:			
Aroclor-1232					6	33.42	
E 2.88	2.90	2.92	2028155	397.943898			1
E 3.21	3.23	3.25	2552501	995.909052			2
+ 3.40	3.40	3.44	111813.3	44.205868			3
E 3.40	3.42	3.44	2898092	1145.773109			3
E 3.47	3.49	3.51	3184385	1221.996421			4
E 3.53	3.55	3.57	2442522	1376.196278			5
E+ 3.53	3.57	3.57	689902.8	388.71366			5
E 3.63	3.65	3.67	2716356	1336.331052			6
Height Summation:			15822011				
Amount Avg CF:			1079.024968	Linear:			
Aroclor-1242					6	10.04	
E 2.88	2.90	2.92	2028155	323.846743			1
E 3.21	3.23	3.25	2552501	338.550883			2
+ 3.40	3.40	3.44	111813.3	13.456542			3
E 3.40	3.42	3.44	2898092	348.78048			3
E 3.47	3.49	3.51	3184385	387.630554			4
E 3.53	3.55	3.57	2442522	421.269022			5
+ 3.53	3.57	3.57	689902.8	118.989584			5
E 3.63	3.65	3.67	2716356	388.323238			6
Height Summation:			15822011				
Amount Avg CF:			368.06682	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/7/17 RI ACF LCS13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.070.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	100.17	
+ 4.55	4.56	4.59	165351.8	54.454369			1
4.55	4.58	4.59	210961.4	69.474719			1
4.61	4.62	4.65	754726.4	126.930486			2
E 4.73	4.75	4.77	2385525	1248.667794			3
4.82	4.83	4.86	446046.2	109.822748			4
5.02	5.04	5.06	1408607	476.087176			5
5.13	5.15	5.17	3660998	882.216267			6
Height Summation:			**8866864**				
Amount Avg CF:			**485.533198**	Linear:			
Aroclor-1260					6	4.16	
4.73	4.75	4.77	2385525	510.629014			1
4.93	4.95	4.97	2872676	531.900531			2
5.13	5.15	5.17	3660998	559.050038			3
5.36	5.38	5.40	1767523	507.604833			4
5.60	5.62	5.64	4848638	557.9453			5
5.80	5.82	5.84	2909376	530.430374			6
Height Summation:			**18444736**				
Amount Avg CF:			**532.926682**	Linear:			
Aroclor-1262					6	30.48	
E 5.20	5.22	5.24	1585240	290.728924			1
E 5.36	5.38	5.40	1767523	371.906567			2
E 5.60	5.62	5.64	4848638	450.805949			3
E 5.80	5.82	5.84	2909376	410.552818			4
5.86	5.88	5.90	590358.6	176.14344			5
E 6.23	6.25	6.27	1134351	279.766389			6
Height Summation:			**12835486.6**				
Amount Avg CF:			**329.984015**	Linear:			
Aroclor-1268					6	90.70	
E 5.80	5.82	5.84	2909376	238.326105			1
5.86	5.88	5.90	590358.6	53.668915			2
5.99	6.01	6.03	104478.2	10.21044			3
6.06	6.09	6.10	548046.8	192.348496			4
E 6.23	6.25	6.27	1134351	255.453259			5
6.43	6.45	6.47	329828.7	9.701246			6
Height Summation:			**5616439.3**				
Amount Avg CF:			**126.618077**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.070.RAW
Calibration file : 25PCBS1728401B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	51.71	
+ 3.40	3.40	3.44	111813.3	38.873818			1
E 3.40	3.42	3.44	2898092	1007.571568			1
3.47	3.49	3.51	3184385	920.344651			2
3.51	3.53	3.55	2087730	368.06105			3
3.64	3.65	3.68	2716356	391.051018			4
+ 3.73	3.73	3.77	690856.4	143.451943			5
3.73	3.74	3.77	2223008	461.593489			5
3.86	3.88	3.90	2866488	338.464929			6
Height Summation:			**15976059**				
Amount Avg CF:			**581.181117**	Linear:			
Aroclor-1254					6	97.79	
+ 4.22	4.22	4.26	652030	50.568437			1
+ 4.22	4.23	4.26	648652.1	50.306463			1
4.22	4.25	4.26	1546834	119.965305			1
4.31	4.33	4.35	5872241	939.452873			2
4.38	4.39	4.42	554258.9	72.663094			3
E 4.44	4.46	4.48	7071110	1451.735756			4
4.59	4.62	4.63	719710.1	129.834639			5
4.67	4.69	4.71	6256197	743.560154			6
Height Summation:			**22020351**				
Amount Avg CF:			**576.20197**	Linear:			
Aroclor-1260					6	4.27	
4.31	4.33	4.35	5872241	537.099591			1
4.44	4.46	4.48	7071110	602.928893			2
4.55	4.56	4.59	5497618	564.600578			3
4.89	4.91	4.93	4214368	557.408878			4
5.09	5.10	5.13	10190000	595.138781			5
5.34	5.36	5.38	7242493	572.802711			6
Height Summation:			**40087830**				
Amount Avg CF:			**571.663239**	Linear:			
Aroclor-1262					6	29.88	
E 4.70	4.72	4.74	3111704	265.558821			1
E 4.89	4.91	4.93	4214368	380.309235			2
E 5.08	5.10	5.12	10190000	440.867207			3
E 5.30	5.32	5.34	1914744	208.777455			4
E 5.34	5.36	5.38	7242493	461.249982			5
E 5.72	5.74	5.76	3056430	288.820908			6
Height Summation:			**29729739**				
Amount Avg CF:			**340.930601**	Linear:			
Aroclor-1268					6	113.72	
5.30	5.32	5.34	1914744	70.0997			1
E 5.35	5.36	5.39	7242493	261.184693			2
5.50	5.52	5.54	227389.1	8.997246			3
5.57	5.59	5.61	233701.7	33.881416			4
E 5.72	5.74	5.76	3056430	275.335419			5
5.92	5.94	5.96	929693.4	9.21563			6
Height Summation:			**13604451.2**				
Amount Avg CF:			**109.785684**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/7/17 RI ACF LCS13279 ID: AB **Batchnumber: 172790013A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274A
Result file : 25PCBS17284001.070.RAW
Calibration file : 25PCBS1728401.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 10:20:04
Instrument : CP25--18274B
Result file : 25PCBS17284001B.070.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		1.02	4	40	
Aroclor-1221			51	15.3	E	0.77	3	5	
Aroclor-1232			51	12.3	E	5.27	4	10	
Aroclor-1242			51	12.3	E	3.03	4	30	
Aroclor-1248			51	9.9	E	10.33	4	40	
Aroclor-1254			51	13.2	E	17.08	4	40	
Aroclor-1260			51	11.7		7.01	4	40	
Aroclor-1262			51	9.9	E	3.26	4	40	
Aroclor-1268			51	9.9	E	14.24	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:20:04 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: 25PCBS17284001.070.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728401.CAL

RT A	Compound A	Height A	Area A
2.036		14975	15719
2.088		4832	6351
2.116		1144	727
2.137		274809	205105
2.187		1198	483
2.202		6988	3754
2.234		12932	11453
2.289		1695	1318
2.329		104693	74312
2.369		1949	1327
2.395		289091	196730
2.441		8506	5460
2.485		9059	8489
2.506		17427	9767
2.547		5615	6202
2.567		16287	11189
2.594		3867	3592
2.662		10079	8084
2.684		1934	964
2.705		3452	2068
2.746		193970	149673
2.78		3037	2691
2.82		1453	1167
2.841		4029	3038
2.874		2216	1074
2.894		5454	4628
2.93	TCX	4671552	3302584
2.992		3058	2135
3.017		3116	1985
3.052		1870	1000
3.077		224475	200571
3.132		254533	213591
3.179		1199773	849320
3.258		4143	2339
3.273		136636	93358
3.315		3759	3355
3.353		561	308
3.395		1094776	672175
3.411		518648	270099
3.449		125611	72951
3.465		20954	7992
3.474		48570	24645
3.509		1406956	1089145
3.545		10683	6035
3.56		6321	3058
3.586		94303	74863
3.619		280506	160880
3.633		138126	69973
3.654		10095	3971
3.677		594222	319940
3.687		1576409	800428
3.724		1756639	1336640
3.781		1535449	1155576
3.821		108264	78845

RT A	Compound A	Height A	Area A
3.85		930936	688748
3.878		775776	1139944
3.973		1037116	766434
3.997		343582	221817
4.028		400973	278841
4.061		1163799	1125760
4.1		339544	283565
4.148		56210	49155
4.186		74495	50224
4.221		1019414	742128
4.238		158998	80275
4.262		268964	212814
4.333		165501	147834
4.375		1149973	1131877
4.409		59208	46198
4.47		24500	18839
4.51		305811	302150
4.563		165352	114695
4.579		210961	147034
4.624		754726	686372
4.674		996606	1076486
4.71		239583	168123
4.749		2385525	2266401
4.792		60806	52966
4.834		446046	459664
4.868		60075	42452
4.895		407106	386924
4.947		2872676	3690011
4.998		505247	470499
5.037		1408607	1512318
5.079		27849	15086
5.116		266248	325146
5.151		3660998	3799527
5.192		61645	29865
5.218		1585240	1467103
5.26		975576	992975
5.354		485309	380866
5.379		1767523	1554162
5.436		896038	831268
5.475		526617	539129
5.517		116961	122302
5.558		605381	719919
5.616		4848638	5115586
5.709		5747	7789
5.765		1601	1919
5.819		2909376	2745946
5.85		152966	99844
5.876		590359	674012
5.918		1860	1256
5.954		5465	6810
6.012		104478	110100
6.091		548047	750959
6.201		998	2596
6.246		1134351	1189344
6.291		83779	80544
6.346		359	413
6.375		1566	1526
6.403		604	224
6.45		329829	345999
6.511		5015	7585
6.598	DCB	2841722	3019971
6.659		924	421
6.682		942	597
6.706		472	148
6.72		772	281
6.737		926	587

RT A	Compound A	Height A	Area A
6.767		3161	4181
6.881		5670	15775
6.927		791	395
6.973		699	189
6.982		604	163

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:20:04 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.070.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728401b.CAL

RT B	Compound B	Height B	Area B
2.037		6303	4810
2.053		4424	3038
2.097		3736	1669
2.115		512319	314845
2.138		14109	14487
2.2		50402	50278
2.233		3469	2970
2.265		8609	5316
2.284		6756	2755
2.3		27712	17578
2.328		17865	10234
2.353		3225	3127
2.392		5426	4178
2.433		137989	83941
2.461		259205	153220
2.498		5223	2257
2.532		4116	4139
2.551		5491	2465
2.57		9941	6244
2.591		9573	5002
2.614	TCX	8670947	5024462
2.658		178844	140463
2.703		9879	7709
2.734		9744	5242
2.764		3293	3224
2.785		470615	320540
2.832		72421	31610
2.846		379118	212257
2.898		2028155	1280077
2.948		22782	15944
3.009		267492	176986
3.068		3091	1624
3.084		3142	1175
3.104		1709445	820411
3.115		521816	196206
3.156		309455	202761
3.177		174474	100420
3.202		211490	118219
3.226		2552501	1730673
3.263		157414	90311
3.309		636888	332931
3.324		367955	181091
3.351		7851	3903
3.374		1618293	723290
3.384		2991788	1275095
3.404		111813	42905
3.418		2898093	1906425
3.492		3184385	1909412
3.527		2087730	1271880
3.55		2442522	1328368
3.568		689903	338592
3.624		4005	1937
3.654		2716356	1717053
3.677		974412	527133

RT B	Compound B	Height B	Area B
3.697		929315	546299
3.726		690856	365595
3.743		2223008	1286179
3.784		789658	566088
3.83		222444	198354
3.853		549994	340216
3.875		2866488	1875793
3.9		590271	354112
3.919		109778	52903
3.939		366709	226499
3.974		2641776	1739022
4.007		174679	102540
4.023		229844	136695
4.069		3911	3411
4.084		32901	22516
4.108		457532	482028
4.15		36085	21527
4.174		731539	517785
4.216		652030	384844
4.235		648652	331681
4.248		1546834	827278
4.274		1018407	988233
4.325		5872241	4332444
4.366		134754	125093
4.394		554259	375280
4.418		1225827	857803
4.461		7071110	5030918
4.563		5497618	5117446
4.615		719710	604554
4.654		1453838	1234019
4.69		6256197	5238122
4.722		3111704	2117713
4.76		2179472	1657982
4.82		2922	2069
4.829		4744	2518
4.858		630711	450016
4.876		92419	46703
4.91		4214369	3141758
4.934		627823	395972
4.984		1875224	1675041
5.018		1059179	817902
5.049		793052	645744
5.081		360079	213176
5.103		10190000	8022033
5.145		201157	147839
5.176		394797	329673
5.218		3685	2639
5.254		5359	5779
5.294		97235	65391
5.317		1914744	1534815
5.362		7242493	7373591
5.462		3017	1943
5.48		3919	2450
5.516		227389	201629
5.562		196361	136294
5.585		233702	172895
5.633		1311562	1080016
5.714		1259	506
5.74		3056431	2589964
5.771		198603	146436
5.848		4060	7293
5.938		929693	786068
6.02		2241	2031
6.055		5159	4271
6.097	DCB	9484988	7816805
6.162		17349	26171

RT B	Compound B	Height B	Area B
6.229		4660	6000
6.249		1915	731
6.274		2607	2619
6.322		1270	862
6.365		2238	4418
6.413		2010	2918
6.434		864	483
6.505		4563	10637
6.553		1146	1485
6.619		4310	10093
6.666		2499	1825
6.722		3838	8093
6.774		2524	2812
6.807		950	536
6.833		1646	1405
6.878		1218	1445
6.908		1881	853
6.939		4122	8591

LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082

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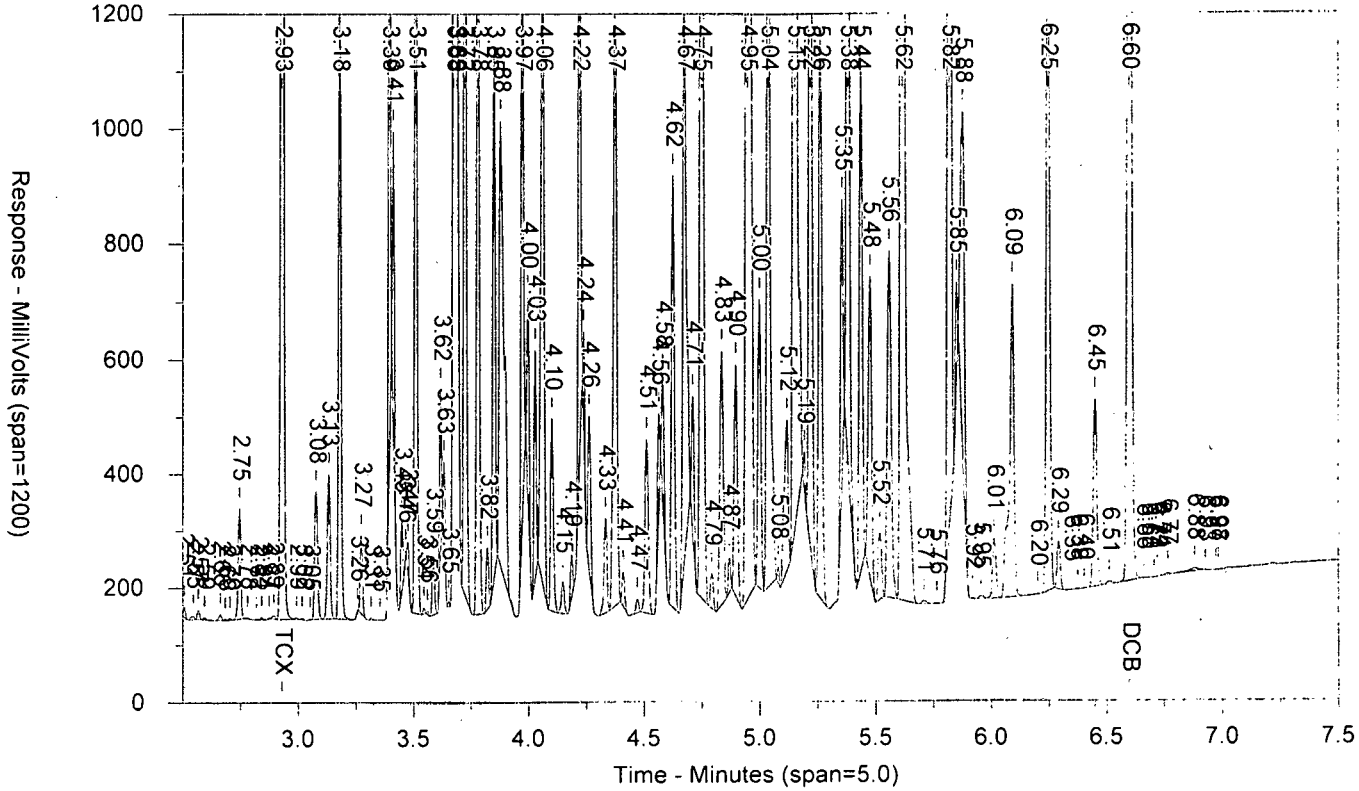

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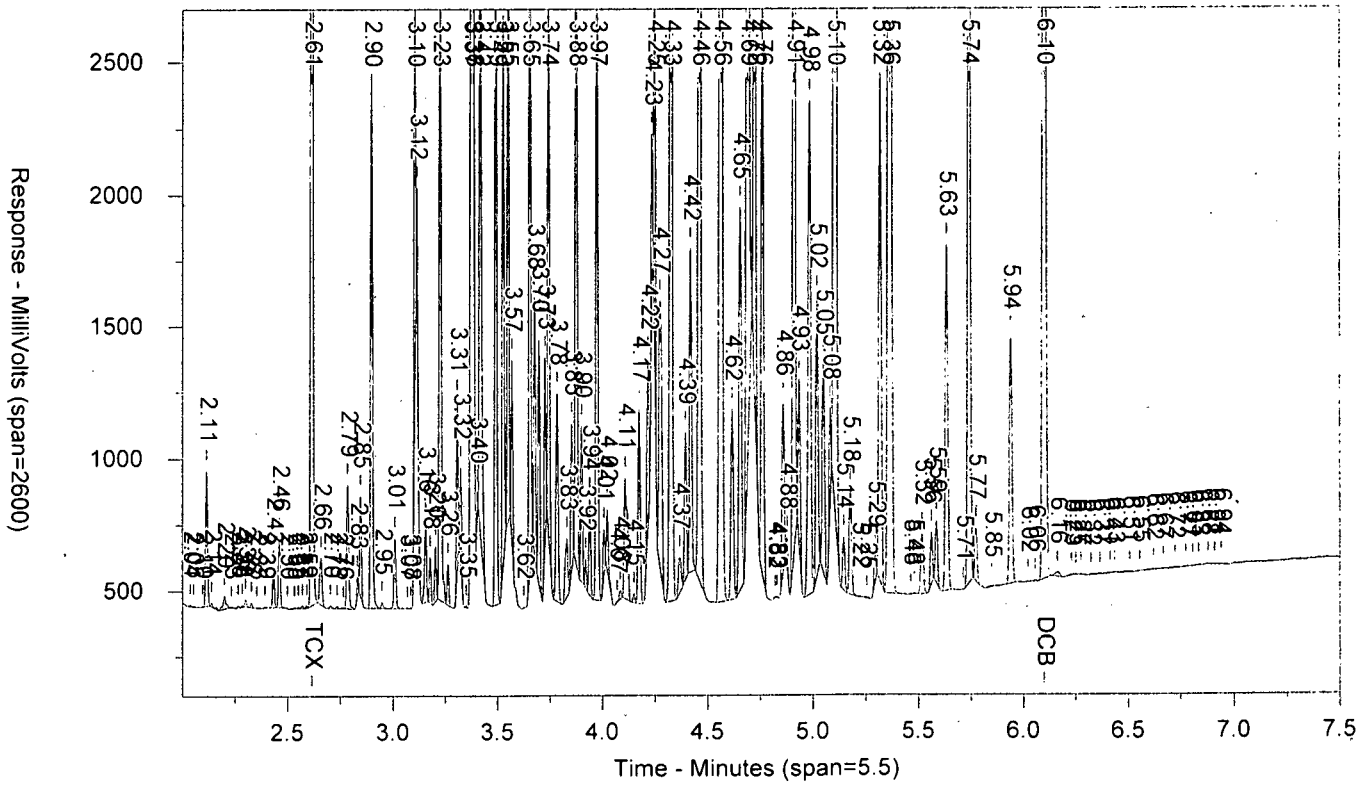

LANCASTER LABORATORIES

Sample Number: LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082
Injected On: 10/12/2017 10:20:04 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	4671552	30.964	TCX	2.614	8670947	31.827	TCX
6.598	2841722	29.481	DCB	6.097	9484988	31.331	DCB

Files:
Area File: 25PCBS17284001.070.RAW
Area File: 25PCBS17284001B.070.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 4:37:01 PM

LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082

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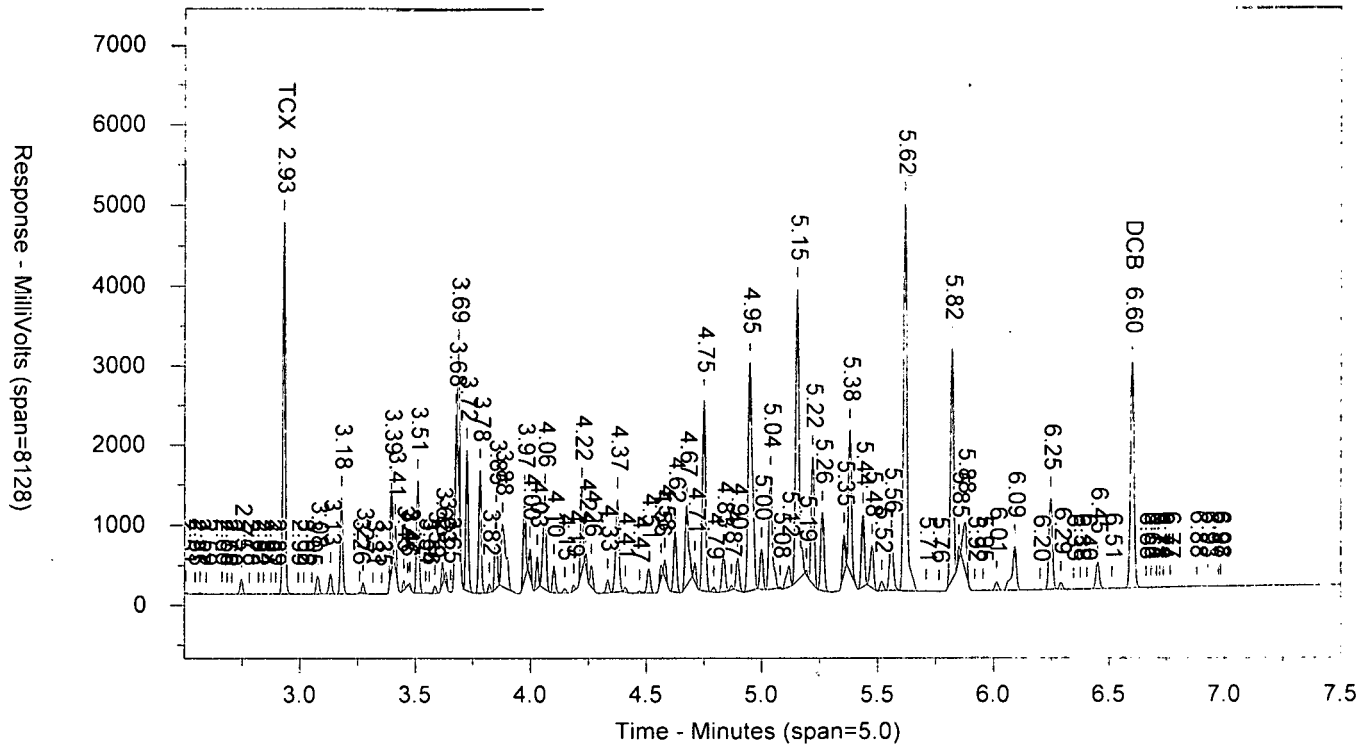

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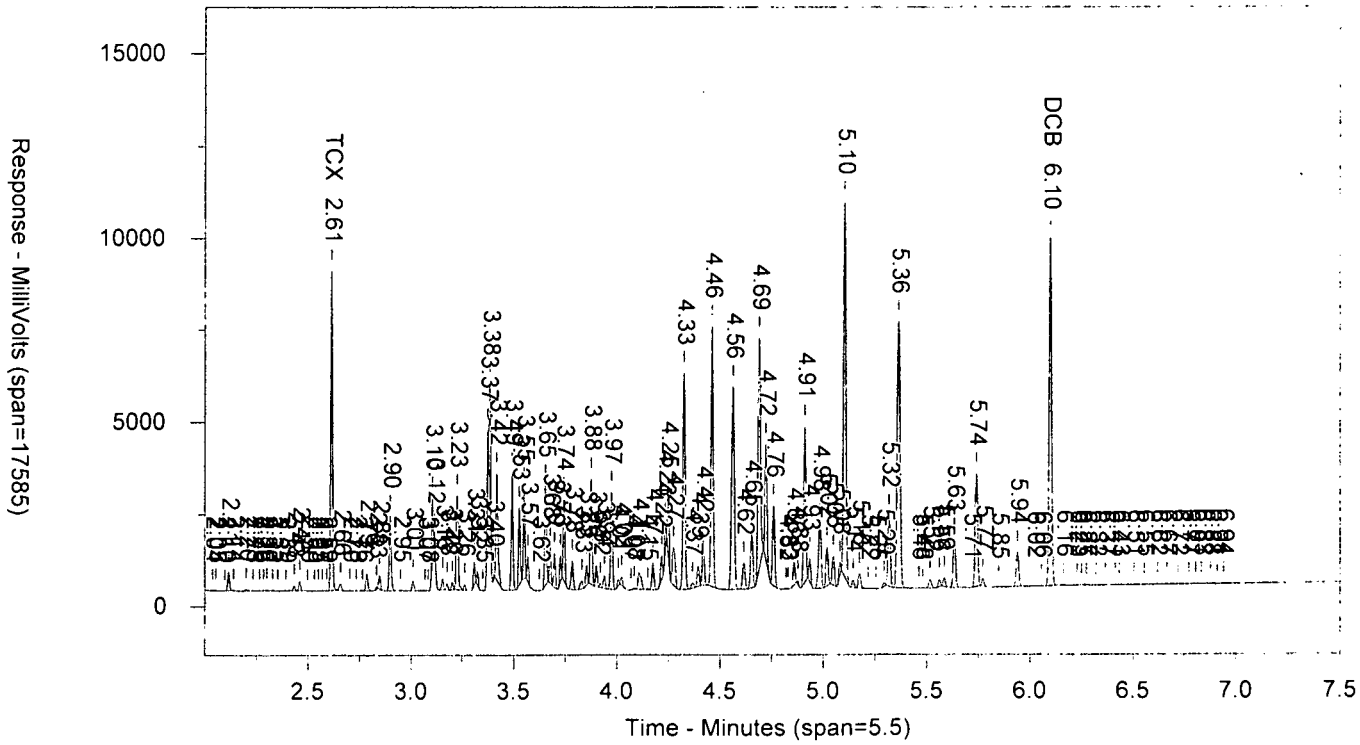

LCSA 10/7/17 RI ACF ABLCS13279 LCS 172790013A 10225 SW-846 8082

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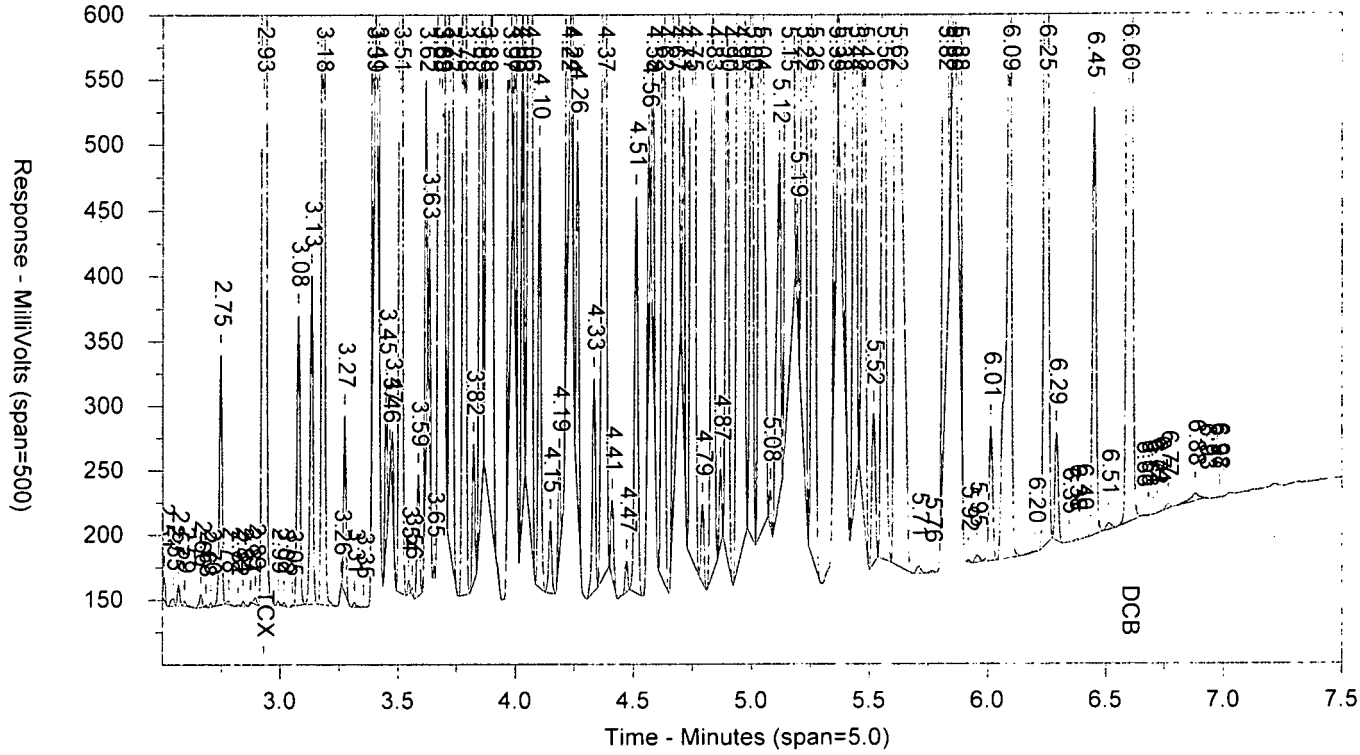

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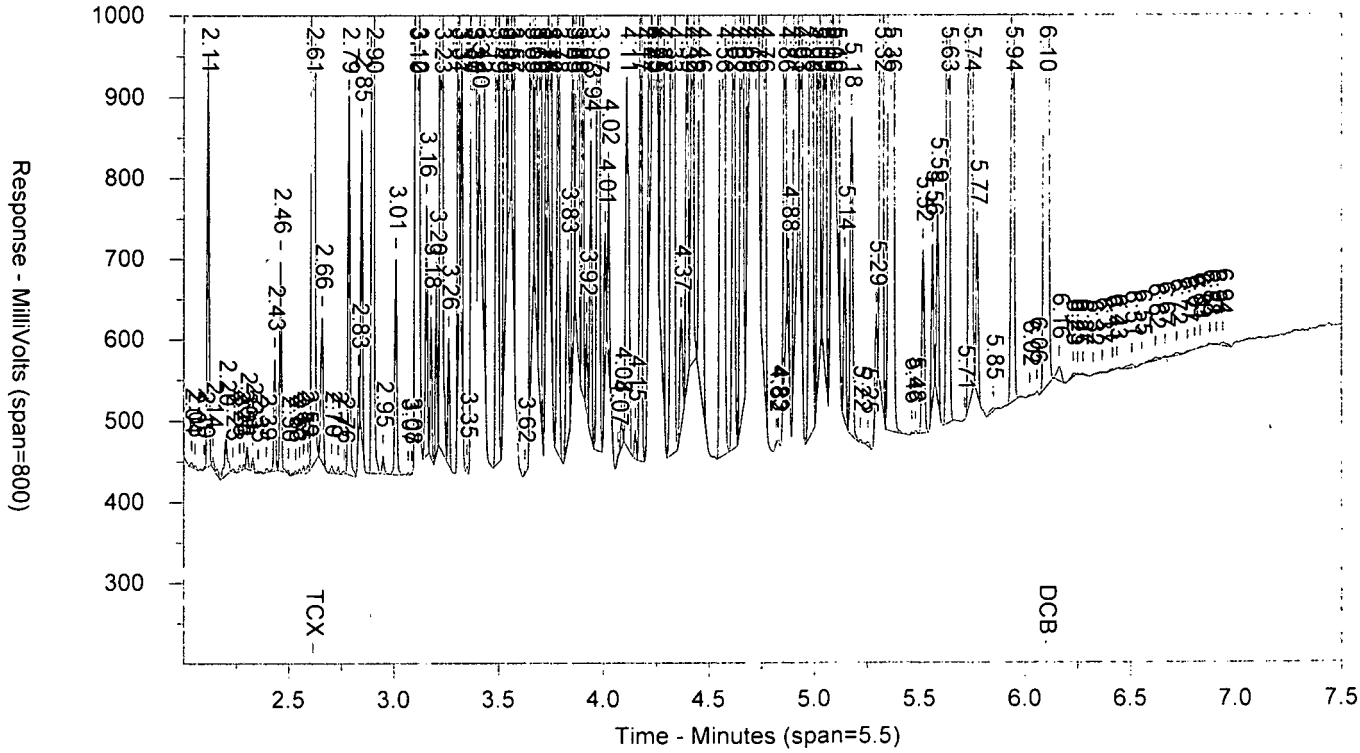

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/9/17 ACF PBLK27282 BLK Sample ID: AB **Batchnumber: 172820027A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 07:25:46
Instrument	19843A
Result file	07PCBS17284001.0066.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 102% (61 - 152) Conc: 31.03982

%SSR(DCB) 93% (48 - 164) Conc: 25.17289

Analysis Report (B)

Injected on	Oct 12, 2017 07:25:46
Instrument	19843B
Result file	07PCBS17284001B.0066.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 29.16158

%SSR(DCB) 93% (48 - 164) Conc: 25.27207

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	8508650	31.03982	Tetrachloro-m-xylene	2.56	2.59	2.62	12088270	29.16158
Decachlorobiphenyl	6.57	6.60	6.63	5079496	25.17289	Decachlorobiphenyl	6.05	6.08	6.11	9566889	25.27207

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	31.03982				6.24	
Tetrachloro-m-xylene-D1	A	31.03982					
Tetrachloro-m-xylene-D2	B	29.16158					
Decachlorobiphenyl	B	25.27207				0.39	
Decachlorobiphenyl-D1	A	25.17289					
Decachlorobiphenyl-D2	B	25.27207					

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 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:04

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/9/17 ACF PBLK27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0066.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.03982
%SSR(DCB) : 93% (48-164) Conc.: 25.17289

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	28.20	
3.71	3.72	3.75	4129.181	0.561184			4
+ 3.77	3.78	3.81	1472.877	0.227392			5
3.77	3.80	3.81	5445.614	0.840729			5
Height Summation:			9574.795				
Amount Avg CF:			0.700957	Linear:			
Aroclor-1221					1		
3.12	3.13	3.16	121782.1	56.055719			2
Height Summation:			121782.1				
Amount Avg CF:			56.055719	Linear:			
Aroclor-1232					2	33.18	
3.71	3.72	3.75	4129.181	1.237			4
+ 3.77	3.78	3.81	1472.877	0.539665			5
3.77	3.80	3.81	5445.614	1.995284			5
Height Summation:			9574.795				
Amount Avg CF:			1.616142	Linear:			
Aroclor-1242					2	29.94	
3.71	3.72	3.75	4129.181	0.408845			4
+ 3.77	3.78	3.81	1472.877	0.169984			5
3.77	3.80	3.81	5445.614	0.628475			5
Height Summation:			9574.795				
Amount Avg CF:			0.51866	Linear:			
Aroclor-1248					4	58.01	
3.71	3.72	3.75	4129.181	1.259032			1
+ 3.77	3.78	3.81	1472.877	0.410452			2
3.77	3.80	3.81	5445.614	1.517551			2
+ 3.84	3.85	3.88	911.1337	0.148315			3
3.84	3.87	3.88	939.3712	0.152912			3
4.23	4.23	4.27	9331.688	1.345933			6
+ 4.23	4.25	4.27	4777.768	0.68911			6
Height Summation:			19845.8542				
Amount Avg CF:			1.068857	Linear:			
Aroclor-1254					5	43.75	
4.21	4.23	4.25	9331.688	1.201417			1
4.55	4.57	4.59	5240.732	0.610172			3
4.61	4.63	4.65	11738.39	0.685558			4
5.02	5.04	5.06	2377.343	0.397451			5
5.14	5.16	5.18	11180.37	1.164824			6
Height Summation:			39868.523				
Amount Avg CF:			0.811884	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0066.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 29.16158
%SSR(DCB) : 93% (48-164) Conc.: 25.27207

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	165.94	
2.86	2.88	2.90	4846.425	0.692315			1
3.19	3.22	3.23	111096.3	12.650795			2
3.38	3.41	3.42	1878.818	0.207891			3
3.51	3.51	3.55	6980.271	0.966079			5
+ 3.51	3.55	3.55	2588.856	0.358301			5
Height Summation:			124801.814				
Amount Avg CF:			3.62927	Linear:			
Aroclor-1221					2	139.31	
2.80	2.81	2.84	166617.5	63.862946			2
2.86	2.88	2.90	4846.425	0.48063			3
Height Summation:			171463.925				
Amount Avg CF:			32.171788	Linear:			
Aroclor-1232					4	169.83	
2.86	2.88	2.90	4846.425	0.59852			1
3.19	3.22	3.23	111096.3	27.634285			2
3.38	3.41	3.42	1878.818	0.463733			3
3.51	3.51	3.55	6980.271	2.518811			5
+ 3.51	3.55	3.55	2588.856	0.934181			5
Height Summation:			124801.814				
Amount Avg CF:			7.803837	Linear:			
Aroclor-1242					4	165.19	
2.86	2.88	2.90	4846.425	0.487781			1
3.19	3.22	3.23	111096.3	9.149813			2
3.38	3.41	3.42	1878.818	0.154867			3
3.51	3.51	3.55	6980.271	0.7427			5
+ 3.51	3.55	3.55	2588.856	0.275454			5
Height Summation:			124801.814				
Amount Avg CF:			2.63379	Linear:			
Aroclor-1248					4	24.24	
3.38	3.41	3.42	1878.818	0.510675			1
3.49	3.51	3.53	6980.271	0.751746			3
3.70	3.71	3.74	4669.788	0.584767			5
+ 3.70	3.74	3.74	2990.653	0.3745			5
3.84	3.85	3.88	6453.668	0.427716			6
Height Summation:			19982.545				
Amount Avg CF:			0.568726	Linear:			
Aroclor-1254					6	63.11	
4.19	4.21	4.23	10090.66	0.443447			1
4.28	4.31	4.32	21238.51	1.930646			2
4.35	4.37	4.39	6972.065	0.549377			3
4.42	4.44	4.46	9473.208	1.051234			4
4.57	4.59	4.61	4326.436	0.440369			5
4.65	4.68	4.69	24134.37	1.477316			6
Height Summation:			76235.249				
Amount Avg CF:			0.982065	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/9/17 ACF PBLK27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0066.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	36.29	
4.74	4.76	4.78	5421.377	0.467649			1
4.94	4.96	4.98	6475.698	0.552467			2
5.14	5.16	5.18	11180.37	0.784513			3
5.37	5.39	5.41	2372.461	0.300871			4
5.61	5.63	5.65	11047.85	0.449769			5
5.81	5.83	5.85	13781.32	0.826398			6
Height Summation:			**50279.076**				
Amount Avg CF:			**0.563611**	Linear:			
Aroclor-1262					5	36.04	
5.21	5.23	5.25	6542.072	0.435804			1
5.37	5.39	5.41	2372.461	0.221394			2
5.61	5.63	5.65	11047.85	0.387394			3
5.81	5.83	5.85	13781.32	0.622589			4
6.24	6.25	6.28	3942.283	0.354072			6
Height Summation:			**37685.986**				
Amount Avg CF:			**0.404251**	Linear:			
Aroclor-1268					5	133.17	
5.81	5.83	5.85	13781.32	0.321519			1
6.00	6.02	6.04	54702.42	1.636866			3
6.06	6.08	6.10	47491.35	5.691639			4
6.23	6.25	6.27	3942.283	0.323686			5
6.43	6.46	6.47	53141.27	0.611805			6
Height Summation:			**173058.643**				
Amount Avg CF:			**1.717103**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 07:25:46
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0066.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	50.32	
4.42	4.44	4.46	9473.208	0.459257			1
4.52	4.55	4.56	9404.037	0.607451			2
4.65	4.68	4.69	24134.37	1.233869			3
4.87	4.89	4.91	4875.701	0.363446			4
5.06	5.08	5.10	13861.84	0.440197			5
5.32	5.34	5.36	14035.16	0.681595			6
Height Summation:			**75784.316**				
Amount Avg CF:			**0.630969**	Linear:			
Aroclor-1262					5	38.57	
4.87	4.89	4.91	4875.701	0.234245			2
+ 5.06	5.06	5.10	2387.75	0.057439			3
5.06	5.08	5.10	13861.84	0.333458			3
5.28	5.30	5.32	3197.722	0.188925			4
5.33	5.34	5.36	14035.16	0.51171			5
5.71	5.72	5.74	6159.772	0.382244			6
Height Summation:			**42130.195**				
Amount Avg CF:			**0.330116**	Linear:			
Aroclor-1268					6	141.35	
5.28	5.30	5.32	3197.722	0.066118			1
5.33	5.34	5.36	14035.16	0.307955			2
5.48	5.50	5.52	63314.45	1.47236			3
5.55	5.57	5.59	53923.46	4.830503			4
5.70	5.72	5.74	6159.772	0.341998			5
5.90	5.92	5.94	92228.64	0.653082			6
Height Summation:			**232859.204**				
Amount Avg CF:			**1.278669**	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		** 135.25	4	40	
Aroclor-1221			51	15.3		** 54.14	3	40	
Aroclor-1232			51	12.3		** 131.37	4	40	
Aroclor-1242			51	12.3		** 134.19	4	40	
Aroclor-1248			51	9.9		** 61.08	4	40	
Aroclor-1254			51	13.2		18.97	4	40	
Aroclor-1260			51	11.7		11.28	4	40	
Aroclor-1262			51	9.9		20.19	4	40	
Aroclor-1268			51	9.9		29.27	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 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: 07PCBS17284001.0066.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.54		6657	7060
1.555		10808	12102
1.6		33473	33283
1.687		52874	45832
1.802		2236	870
1.854		8536	7339
1.916		8548	5366
2.005		35331	29110
2.051		9781	11705
2.089		13640	14485
2.143		497600	371194
2.211		25462	29972
2.237		15774	14901
2.333		91568	63293
2.402		589973	374309
2.496		4782	4901
2.513		9758	7981
2.545		3818	3305
2.669		8147	5253
2.693		3485	2169
2.711		5654	3493
2.745		32738	26771
2.785		6027	3340
2.881		7357	3584
2.937	TCX	8508650	5549275
2.997		3938	2008
3.134		121782	89170
3.24		3740	2030
3.265		24244	16782
3.356		2838	2388
3.476		19001	11528
3.494		20554	11951
3.596		69133	46384
3.661		64240	47414
3.717		4129	2491
3.778		1473	610
3.8		5446	4711
3.854		911	386
3.87		939	138
3.887		4554	3048
3.917		1025	303
3.922		1976	654
4.036		2960	2124
4.173		9592	7281
4.23		9332	6212
4.249		4778	2504
4.281		12068	13374
4.382		4746	4350
4.405		1569	306
4.414		3374	1688
4.457		2474	1240
4.516		2050	1467
4.55		1398	409

RT A	Compound A	Height A	Area A
4.569		5241	4179
4.601		2411	803
4.635		11738	10703
4.757		5421	5873
4.806		1635	1308
4.831		4540	3515
4.88		1544	1089
4.901		5304	6088
4.959		6476	6240
5.042		2377	1441
5.119		5421	6218
5.161		11180	11344
5.231		6542	7425
5.328		1945	3436
5.395		2372	6326
5.427		2438	1525
5.489		1835	3007
5.527		2764	1875
5.569		2934	2246
5.628		11048	8149
5.65		10498	7811
5.83		13781	14487
5.943		1983	775
6.022		54702	51899
6.084		47491	50327
6.135		1492	727
6.253		3942	3603
6.457		53141	53746
6.562		1718	854
6.601	DCB	5079496	5079068
7.138		1596	815
7.446		1372	556
7.511		1530	2277
7.54		1512	430
7.598		1425	674
7.628		1281	568
7.67		1104	421
7.722		1652	416
7.744		1369	929
7.895		1295	385
7.916		1751	704
8.069		1061	523
8.119		1587	503
8.15		1427	416
8.264		1910	558
8.347		1581	654
8.384		2132	611
8.393		2002	631
8.412		1455	392
8.434		1275	436
8.511		1404	799
8.563		1371	1338

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 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: 07PCBS17284001B.0066.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		4220	3705
1.584		5466	4564
1.602		11631	10367
1.637		7145	10998
1.674		4591	4301
1.713		6412	5538
1.735		44496	36990
1.802		20964	19695
1.85		691183	497342
1.899		144759	127655
1.967		38487	35197
2.031		6157	5880
2.092		855681	521076
2.158		1908	1374
2.177		9522	6107
2.209		3333	3556
2.261		2955	1589
2.305		13197	10107
2.368		10536	5748
2.411		47469	29999
2.439		10413	7411
2.477		5725	3519
2.509		15778	9557
2.568		13414	6508
2.592	TCX	12088270	7509349
2.713		25409	14514
2.741		3611	2643
2.809		166618	105278
2.879		4846	2754
2.899		6862	3473
2.925		32931	19269
2.975		6586	4770
2.996		5213	4815
3.097		4540	4752
3.126		41561	23769
3.15		4167	1655
3.163		32129	17379
3.224		111096	66244
3.27		2303	1133
3.299		99106	62575
3.341		12366	10001
3.411		1879	1241
3.44		8562	4632
3.513		6980	5660
3.547		2589	2633
3.601		4451	3679
3.653		5441	4141
3.682		3673	2641
3.715		4670	3589
3.739		2991	2693
3.806		12606	11128
3.854		6454	4975
3.917		17254	15235
3.951		5577	4150

3.983		6748	8250
4.048		13082	11130
4.091		4578	2706
4.15		5064	4295
4.21		10091	9138
4.311		21239	21122
4.373		6972	4867
4.438		9473	7212
4.502		2725	2347
4.554		9404	15361
4.588		4326	2930
4.634		6680	5837
4.678		24134	31415
4.738		3183	4112
4.818		3412	3656
4.886		4876	3848
4.91		4455	3215
4.96		3491	3627
5.028		3362	2991
5.062		2388	1812
5.082		13862	12682
5.153		12167	9943
5.19		5613	7182
5.3		3198	2497
5.344		14035	15167
5.498		63314	55873
5.567		53923	47692
5.616		4601	5266
5.723		6160	5357
5.925		92229	79982
6.083	DCB	9566889	8875331
6.568		1973	1595
7.968		1935	4158
8.162		10432	20255

BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

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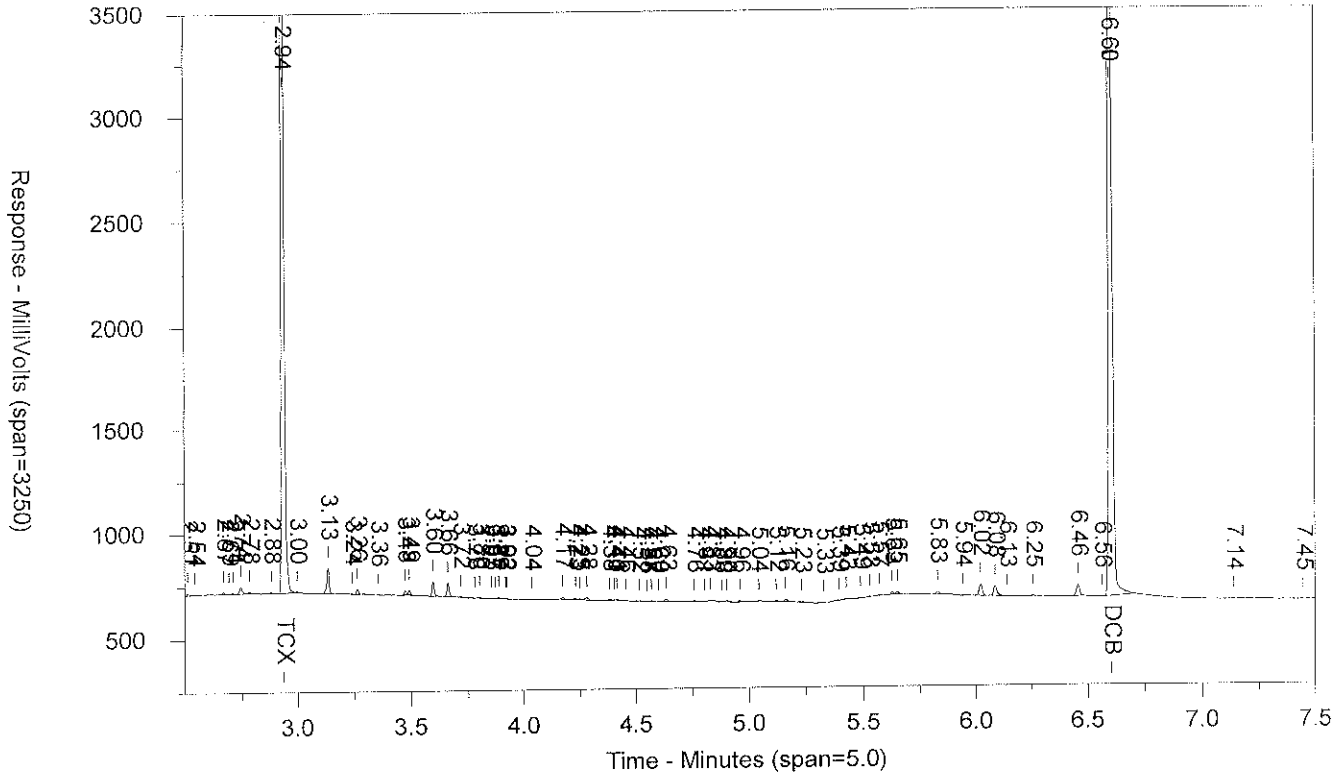

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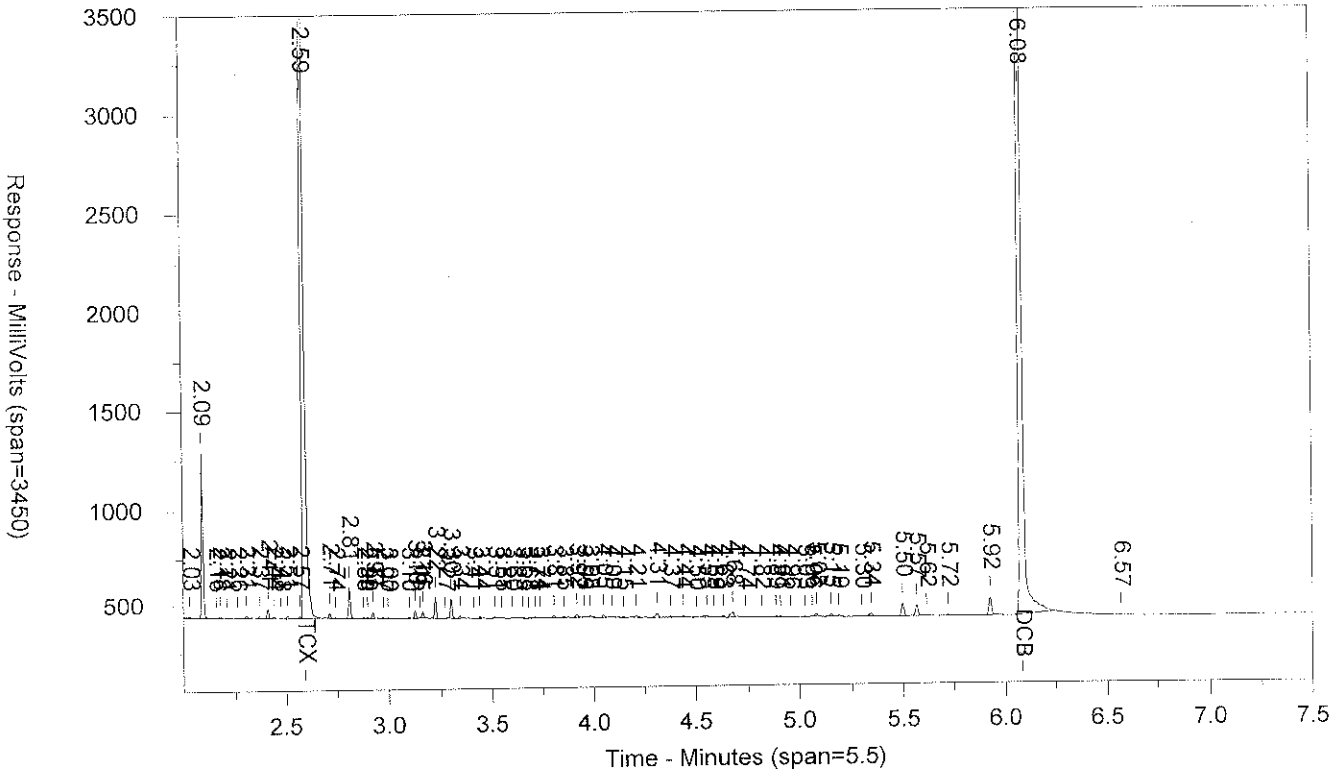

LANCASTER LABORATORIES

Sample Number: BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 7:25:46 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.937	8508650	31.04	TCX	2.592	12088270	29.162	TCX
6.601	5079496	25.173	DCB	6.083	9566889	25.272	DCB

Files:
Area File: 07PCBS17284001.0066.RAW
Area File: 07PCBS17284001B.0066.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:36:00 AM

BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

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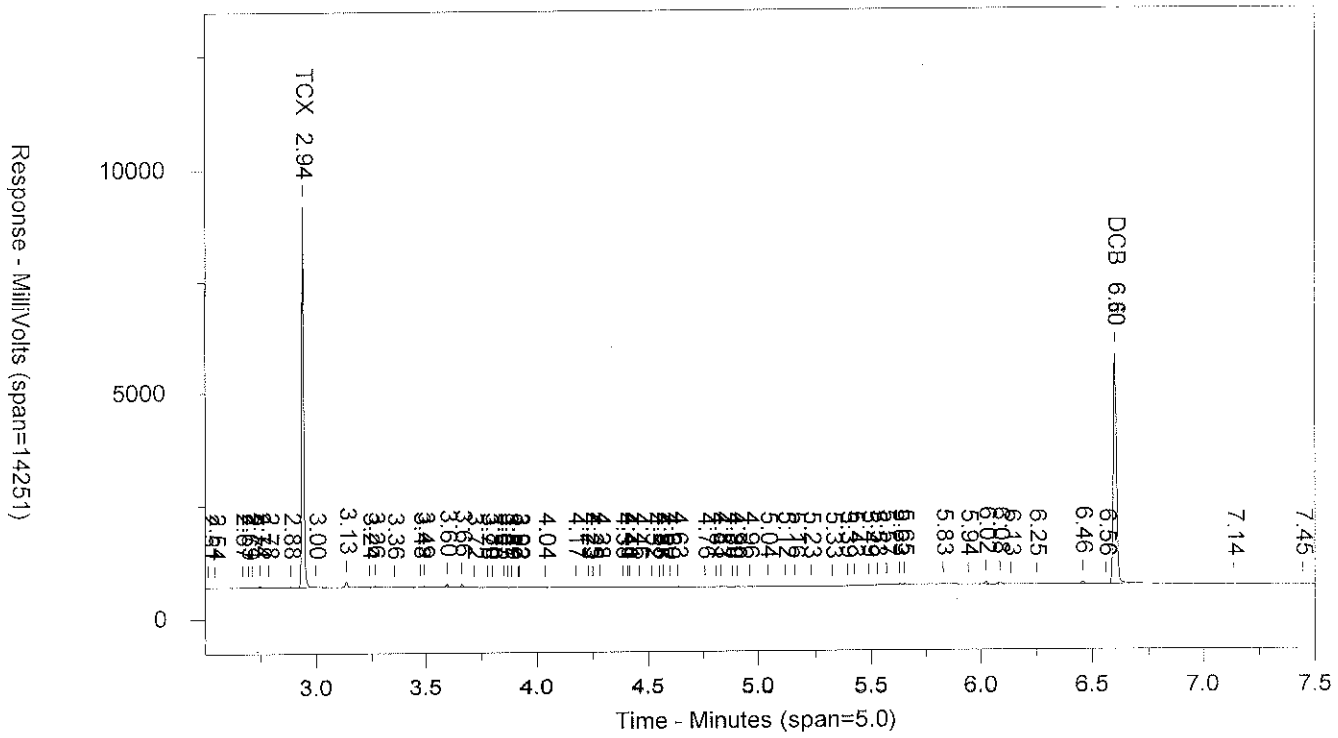

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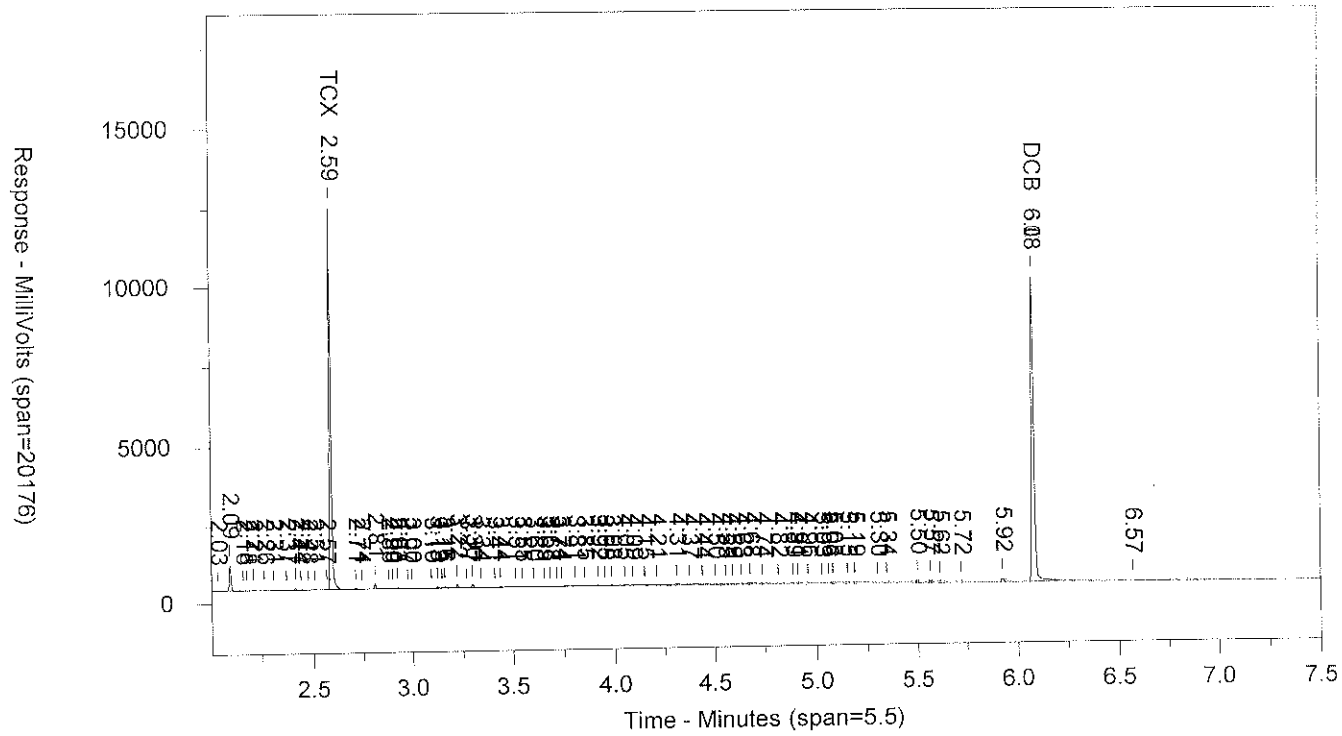

BLANKA 10/9/17 ACF ABPBLK27282 BLK 172820027A 10225 SW-846 80

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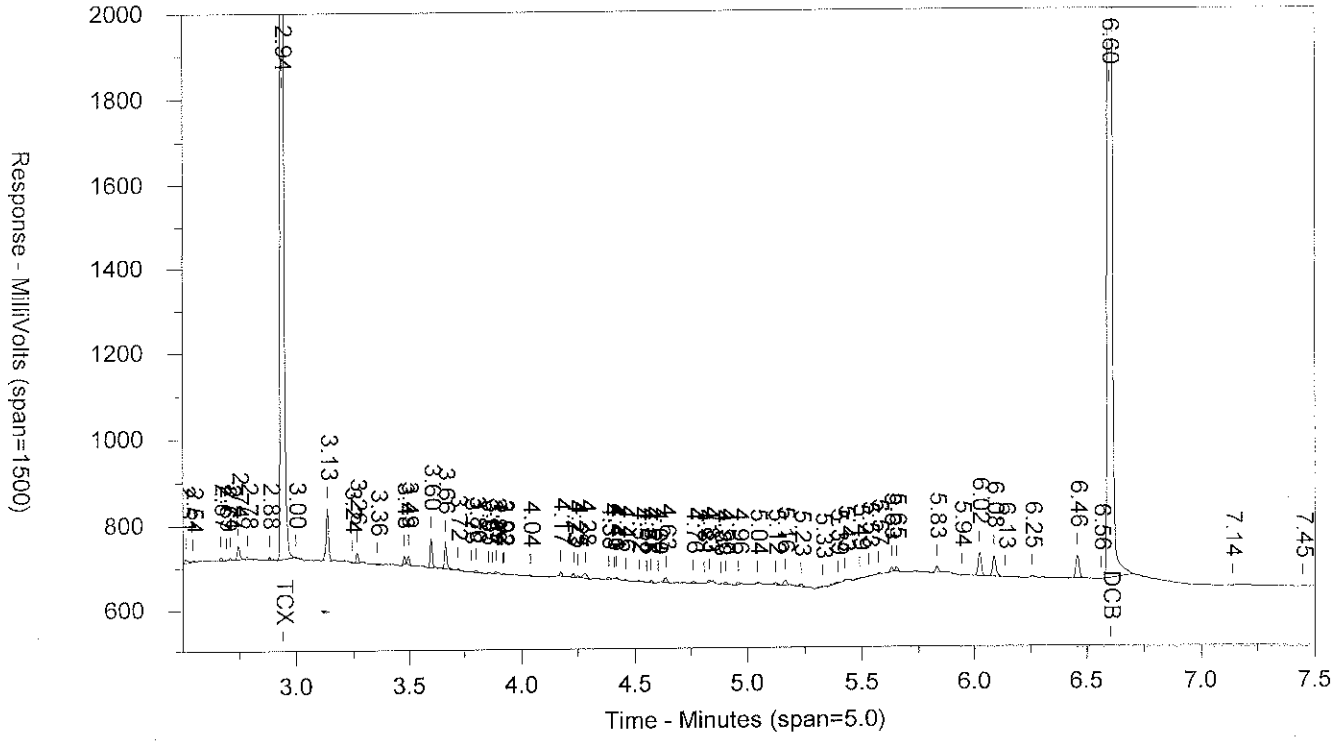

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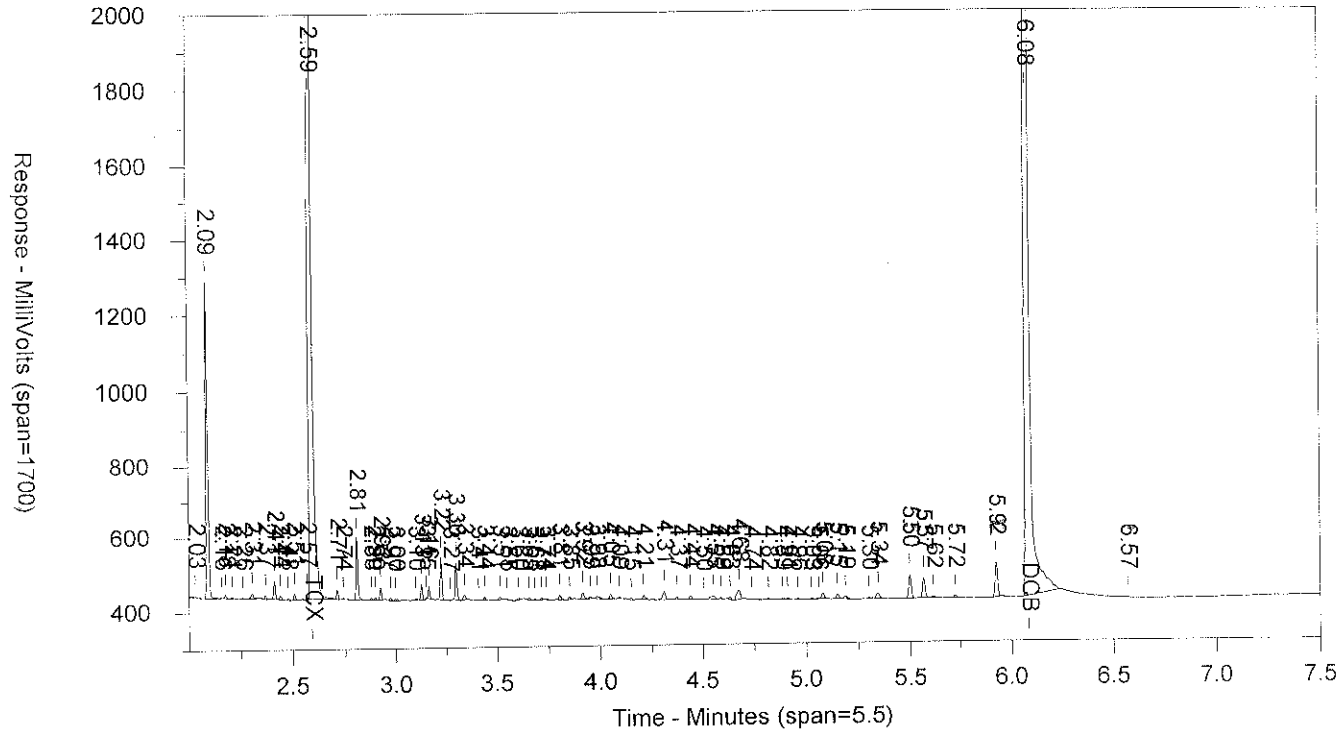

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229466 MS ACF DF20 98A16 MS Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:46:02
Instrument	19843A
Result file	07PCBS17284001.0073.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 84% (61 - 152) Conc: 25.35608
%SSR(DCB) 98% (48 - 164) Conc: 26.1423

Analysis Report (B)

Injected on	Oct 12, 2017 08:46:02
Instrument	19843B
Result file	07PCBS17284001B.0073.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 76% (61 - 152) Conc: 23.00798
%SSR(DCB) 72% (48 - 164) Conc: 19.14529

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	352744	25.35608
Decachlorobiphenyl	6.57	6.60	6.63	267712	26.1423

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	484025	23.00798
Decachlorobiphenyl	6.05	6.08	6.11	367814	19.14529

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	25.35608				9.71	
Tetrachloro-m-xylene-D1	A	25.35608					
Tetrachloro-m-xylene-D2	B	23.00798					
Decachlorobiphenyl	A	26.1423				30.90	
Decachlorobiphenyl-D1	A	26.1423					
Decachlorobiphenyl-D2	B	19.14529					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**1.91**	
3.17	3.19	3.21	123368.3	505.502292			1
3.38	3.40	3.42	134523.8	525.806401			2
3.50	3.52	3.54	157635.5	512.965117			3
3.71	3.73	3.75	197421	528.687387			4
3.77	3.79	3.81	168287.7	511.947812			5
Height summation:			**781236.3**				
Concentration		CF:	**516.981802**	L:			
Aroclor-1260						**16.82**	
4.74	4.76	4.78	3777340	6420.38096			1
4.94	4.96	4.98	4564177	7672.663934			2
5.14	5.16	5.18	6385216	8828.425924			3
5.37	5.39	5.41	2274530	5683.782515			4
5.61	5.63	5.65	8529048	6841.885584			5
5.81	5.83	5.85	5112585	6040.914902			6
Height summation:			**30642896**				
Concentration		CF:	**6914.675637**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**26.30**	
2.86	2.89	2.90	110968.6	312.353366			1
3.19	3.21	3.23	228169.2	511.963719			2
3.38	3.40	3.42	140417.5	306.151715			3
3.45	3.47	3.49	224956.9	462.411319			4
Height summation:			**704512.2**				
Concentration		CF:	**398.22003**	L:			
Aroclor-1260						**17.70**	
4.42	4.44	4.46	7021858	6707.722136			1
4.52	4.54	4.56	4735447	6027.291011			2
4.65	4.67	4.69	8266672	8327.753181			3
4.87	4.89	4.91	3358288	4932.699536			4
5.06	5.08	5.10	10134840	6341.717045			5
5.32	5.34	5.36	6154940	5889.745252			6
Height summation:			**39672045**				
Concentration		CF:	**6371.154694**	L:			

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:15

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229466 MS ACF DF20 98A16 MS Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:46:02
Instrument	19843A
Result file	07PCBS17284001.0073.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 08:46:02
Instrument	19843B
Result file	07PCBS17284001B.0073.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	516.981802	<1004.9261	195.0739		25.95	4	
PCB-1221			<1004.9261	<301.4778			3	
PCB-1232			<1004.9261	<242.3645			4	
PCB-1242			<1004.9261	<242.3645			4	
PCB-1248			<1004.9261	<195.0739			4	
PCB-1254			<1004.9261	<260.0985			4	
PCB-1260	A	6914.675637	1004.9261	230.5419		8.18	4	
PCB-1262			<1004.9261	<195.0739			4	
PCB-1268			<1004.9261	<195.0739			4	
Total PCBs	A	7431.657438	1004.9261	195.0739				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:15

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229466** MS ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0073.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 84% (61-152) Conc.: 25.35608
%SSR(DCB) : 98% (48-164) Conc.: 26.1423

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**62.36**	
3.17	3.19	3.21	123368.3	505.502292			1
3.38	3.40	3.42	134523.8	525.806401			2
+ 3.38	3.42	3.42	69137.66	270.234889			2
3.50	3.52	3.54	157635.5	512.965117			3
3.71	3.73	3.75	197421	528.687387			4
3.77	3.79	3.81	168287.7	511.947812			5
3.96	3.98	4.00	395118.4	1576.063576			6
Height Summation:			**1176354.7**				
Amount Avg CF:			**693.495431**	Linear:			
Aroclor-1221					**3**	**40.89**	
3.07	3.09	3.11	21345.53	169.721559			1
+ 3.12	3.13	3.16	6339.66	57.499807			2
3.12	3.14	3.16	23176.11	210.203995			2
3.17	3.19	3.21	123368.3	361.462144			3
Height Summation:			**167889.94**				
Amount Avg CF:			**247.129233**	Linear:			
Aroclor-1232					**6**	**85.08**	
3.17	3.19	3.21	123368.3	434.964021			1
3.38	3.40	3.42	134523.8	1167.623668			2
+ 3.38	3.42	3.42	69137.66	600.092833			2
3.50	3.52	3.54	157635.5	1126.640345			3
3.71	3.73	3.75	197421	1165.367912			4
3.77	3.79	3.81	168287.7	1214.994296			5
E 3.96	3.98	4.00	395118.4	4159.145363			6
Height Summation:			**1176354.7**				
Amount Avg CF:			**1544.789268**	Linear:			
Aroclor-1242					**6**	**63.36**	
3.17	3.19	3.21	123368.3	363.18499			1
3.38	3.40	3.42	134523.8	391.508084			2
+ 3.38	3.42	3.42	69137.66	201.213115			2
3.50	3.52	3.54	157635.5	385.136985			3
3.71	3.73	3.75	197421	385.169263			4
3.77	3.79	3.81	168287.7	382.699404			5
3.96	3.98	4.00	395118.4	1179.914652			6
Height Summation:			**1176354.7**				
Amount Avg CF:			**514.60223**	Linear:			
Aroclor-1248					**6**	**73.25**	
3.71	3.73	3.75	197421	1186.124062			1
3.77	3.79	3.81	168287.7	924.086768			2
3.84	3.86	3.88	584828.1	1875.838854			3
3.96	3.98	4.00	395118.4	1129.734109			4
4.05	4.07	4.09	317569.8	1003.08576			5
4.23	4.23	4.27	1475770	4194.167943			6
+ 4.23	4.25	4.27	253043.8	719.155555			6
Height Summation:			**3138995**				
Amount Avg CF:			**1718.839583**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0073.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 76% (61-152) Conc.: 23.00798
%SSR(DCB) : 72% (48-164) Conc.: 19.14529

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**68.40**	
+ 2.86	2.88	2.90	87321.58	245.791957			1
2.86	2.89	2.90	110968.6	312.353366			1
3.19	3.21	3.23	228169.2	511.963719			2
+ 3.38	3.38	3.42	74698.78	162.865452			3
3.38	3.40	3.42	140417.5	306.151715			3
+ 3.38	3.41	3.42	45496.85	99.196601			3
3.45	3.47	3.49	224956.9	462.411319			4
3.51	3.53	3.55	504828.3	1376.727015			5
+ 3.51	3.55	3.55	382526	1043.194049			5
3.61	3.63	3.65	519054.1	1248.855703			6
Height Summation:			**1728394.6**				
Amount Avg CF:			**703.07714**	Linear:			
Aroclor-1221					**3**	**21.20**	
2.74	2.76	2.78	31061.15	145.972054			1
+ 2.80	2.81	2.84	5968.368	45.07626			2
2.80	2.82	2.84	28737.89	217.04369			2
+ 2.86	2.88	2.90	87321.58	170.637688			3
2.86	2.89	2.90	110968.6	216.84703			3
Height Summation:			**170767.64**				
Amount Avg CF:			**193.287591**	Linear:			
Aroclor-1232					**6**	**83.43**	
+ 2.86	2.88	2.90	87321.58	212.491944			1
2.86	2.89	2.90	110968.6	270.03558			1
3.19	3.21	3.23	228169.2	1118.329056			2
+ 3.38	3.38	3.42	74698.78	363.2959			3
3.38	3.40	3.42	140417.5	682.917473			3
+ 3.38	3.41	3.42	45496.85	221.272946			3
3.45	3.47	3.49	224956.9	1082.253534			4
3.51	3.53	3.55	504828.3	3589.475254			5
+ 3.51	3.55	3.55	382526	2719.87052			5
3.61	3.63	3.65	519054.1	3155.216401			6
Height Summation:			**1728394.6**				
Amount Avg CF:			**1649.70455**	Linear:			
Aroclor-1242					**6**	**71.06**	
+ 2.86	2.88	2.90	87321.58	173.176618			1
2.86	2.89	2.90	110968.6	220.073513			1
3.19	3.21	3.23	228169.2	370.282857			2
+ 3.38	3.38	3.42	74698.78	121.325536			3
3.38	3.40	3.42	140417.5	228.065686			3
+ 3.38	3.41	3.42	45496.85	73.895849			3
3.45	3.47	3.49	224956.9	333.689026			4
3.51	3.53	3.55	504828.3	1058.397093			5
+ 3.51	3.55	3.55	382526	801.984371			5
3.61	3.63	3.65	519054.1	933.822872			6
Height Summation:			**1728394.6**				
Amount Avg CF:			**524.055175**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229466** MS ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0073.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	70.75	
4.21	4.23	4.25	1475770	3743.829638			1
4.32	4.34	4.36	576788.1	4383.713279			2
4.55	4.57	4.59	874406.1	2006.031206			3
+ 4.55	4.59	4.59	166928.4	382.961166			3
4.61	4.63	4.65	3269665	3762.728557			4
5.02	5.05	5.06	2011651	6626.86887			5
5.14	5.16	5.18	6385216	13108.222848			6
Height Summation:			14593496.2				
Amount Avg CF:			5605.2324	Linear:			
Aroclor-1260					6	16.82	
4.74	4.76	4.78	3777340	6420.38096			1
4.94	4.96	4.98	4564177	7672.663934			2
5.14	5.16	5.18	6385216	8828.425924			3
5.37	5.39	5.41	2274530	5683.782515			4
5.61	5.63	5.65	8529048	6841.885584			5
5.81	5.83	5.85	5112585	6040.914902			6
Height Summation:			30642896				
Amount Avg CF:			6914.675636	Linear:			
Aroclor-1262					6	38.28	
5.21	5.23	5.25	2515942	3302.485724			1
E 5.37	5.39	5.41	2274530	4182.370222			2
E 5.61	5.63	5.65	8529048	5893.046466			3
E 5.81	5.83	5.85	5112585	4551.086605			4
5.87	5.89	5.91	922862.7	1630.629106			5
6.24	6.26	6.28	1771832	3135.672189			6
Height Summation:			21126799.7				
Amount Avg CF:			3782.548385	Linear:			
Aroclor-1268					6	96.05	
5.81	5.83	5.85	5112585	2350.284402			1
5.87	5.89	5.91	922862.7	481.420778			2
6.00	6.02	6.04	57167.82	33.707153			3
+ 6.06	6.07	6.10	155157.5	366.403474			4
6.06	6.10	6.10	869659.9	2053.696461			4
6.23	6.26	6.27	1771832	2866.572813			5
6.43	6.46	6.47	313033.1	71.012595			6
Height Summation:			9047140.52				
Amount Avg CF:			1309.449034	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0073.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	69.61	
+ 3.38	3.38	3.42	74698.78	400.070881			1
3.38	3.40	3.42	140417.5	752.046459			1
+ 3.38	3.41	3.42	45496.85	243.671515			1
3.45	3.47	3.49	224956.9	813.352249			2
3.49	3.51	3.53	775186.6	1645.011115			3
3.61	3.63	3.65	519054.1	926.991277			4
+ 3.70	3.70	3.74	44396.75	109.547072			5
3.70	3.72	3.74	347418.9	857.241197			5
3.84	3.85	3.88	2433622	3178.087641			6
Height Summation:			4440656				
Amount Avg CF:			1362.121656	Linear:			
Aroclor-1254					6	73.20	
+ 4.19	4.19	4.23	492277.6	426.280916			1
4.19	4.21	4.23	2741452	2373.922091			1
+ 4.19	4.23	4.23	751519.3	650.767647			1
4.28	4.30	4.32	5453012	9767.399998			2
4.35	4.37	4.39	1913464	2970.934024			3
4.42	4.44	4.46	7021858	15353.884283			4
4.57	4.59	4.61	1467855	2943.969302			5
4.65	4.67	4.69	8266672	9970.844717			6
Height Summation:			26864313				
Amount Avg CF:			7230.159069	Linear:			
Aroclor-1260					6	17.70	
4.42	4.44	4.46	7021858	6707.722136			1
4.52	4.54	4.56	4735447	6027.291011			2
4.65	4.67	4.69	8266672	8327.753181			3
4.87	4.89	4.91	3358288	4932.699536			4
5.06	5.08	5.10	10134840	6341.717045			5
5.32	5.34	5.36	6154940	5889.745252			6
Height Summation:			39672045				
Amount Avg CF:			6371.154694	Linear:			
Aroclor-1262					6	34.91	
4.68	4.70	4.72	2729605	2532.937236			1
4.87	4.89	4.91	3358288	3179.177115			2
E 5.06	5.08	5.10	10134840	4803.982869			3
5.28	5.30	5.32	1569300	1826.916225			4
E 5.33	5.34	5.36	6154940	4421.751965			5
5.71	5.73	5.74	2318882	2835.428728			6
Height Summation:			26265855				
Amount Avg CF:			3266.699023	Linear:			
Aroclor-1268					6	124.61	
5.28	5.30	5.32	1569300	639.36733			1
5.33	5.34	5.36	6154940	2661.076758			2
5.48	5.50	5.52	154524.9	70.80658			3
5.55	5.57	5.59	36285.81	64.049449			4
5.70	5.73	5.74	2318882	2536.889422			5
5.90	5.93	5.94	472857.7	65.977556			6
Height Summation:			10706790.41				
Amount Avg CF:			1006.361182	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229466** MS ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.15 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0073.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:46:02
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0073.RAW
Calibration file : 07PCBS1728401B.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			1004.9262	195.0739		1.37	4	40	
Aroclor-1221			1004.9262	301.4779		24.45	3	40	
Aroclor-1232			1004.9262	242.3645	E	6.57	4	40	
Aroclor-1242			1004.9262	242.3645		1.82	4	40	
Aroclor-1248			1004.9262	195.0739		23.16	4	40	
Aroclor-1254			1004.9262	260.0985		25.32	4	40	
Aroclor-1260			1004.9262	230.5419		8.18	4	40	
Aroclor-1262			1004.9262	195.0739	E	14.64	4	40	
Aroclor-1268			1004.9262	195.0739		26.18	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:46:02 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: 07PCBS17284001.0073.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.523		1674	1684
1.582		97119	122846
1.634		19432	30462
1.663		17620	19656
1.688		53944	58064
1.715		15503	12927
1.736		20836	26038
1.763		22863	37271
1.79		19029	22725
1.817		17380	18560
1.837		20379	19186
1.86		21589	22133
1.883		18949	24894
1.912		17024	21268
1.927		20688	19211
1.946		20580	20306
1.974		10517	9053
1.991		18551	17851
2.016		20517	24769
2.053		35421	74146
2.115		30280	56043
2.143		33723	30721
2.158		28261	32012
2.186		19618	17415
2.21		135405	114164
2.23		27662	24017
2.266		14822	9253
2.281		24130	32879
2.321		33826	28777
2.335		26745	15587
2.355		16817	11665
2.407		26723	55578
2.437		9539	9914
2.457		4718	2297
2.49		8341	6604
2.53		20977	20734
2.546		14487	10892
2.567		22576	36366
2.618		4176	1905
2.64		17181	15901
2.659		122416	72296
2.714		14014	12797
2.744		15706	13373
2.761		6369	2653
2.795		5662	2025
2.813		20154	15132
2.841		7521	5188
2.858		4740	3137
2.898		33069	32558
2.937	TCX	352744	241754
2.989		10307	8038
3.014		15366	17221
3.057		6475	6777

RT A	Compound A	Height A	Area A
3.086		21346	32016
3.128		6340	5544
3.144		23176	14027
3.166		5975	2814
3.189		123368	90384
3.217		5620	3027
3.256		151723	129989
3.282		32455	21232
3.302		3201	1300
3.315		6436	3032
3.335		4297	2105
3.359		8820	8697
3.382		6443	3702
3.404		134524	79210
3.42		69138	38007
3.457		13867	7834
3.485		11432	12246
3.518		157636	108252
3.549		5792	3104
3.583		11809	13345
3.627		39919	21410
3.641		17786	8704
3.684		84612	46623
3.695		167968	104621
3.732		197421	169669
3.763		2633	892
3.791		168288	125109
3.832		30796	21377
3.859		584828	423162
3.885		354531	237372
3.907		301792	192120
3.953		4440	4390
3.982		395118	289259
4.006		139170	89349
4.037		176792	123914
4.071		317570	277869
4.111		78336	67957
4.144		21415	14825
4.171		3955	2329
4.195		73106	53089
4.23		1475770	1069888
4.249		253044	133656
4.274		623725	523478
4.342		576788	465749
4.384		2396470	2459226
4.418		954543	778055
4.458		108902	74408
4.481		140058	101430
4.522		693304	609577
4.573		874406	615764
4.589		166928	76923
4.603		110103	66539
4.634		3269665	2789567
4.683		1542380	1674028
4.719		494072	338529
4.758		3777340	3408484
4.805		214611	184719
4.845		1621329	1629547
4.877		45094	27942
4.905		802966	757835
4.957		4564177	5444054
5.008		613818	546866
5.047		2011651	2253214
5.091		144867	97973
5.128		445956	558167
5.162		6385216	5522468

RT A	Compound A	Height A	Area A
5.184		308653	161526
5.204		118973	54040
5.228		2515942	2198181
5.271		1625849	1552760
5.367		893349	708757
5.39		2274530	1862402
5.447		1361609	1208212
5.485		864597	858245
5.527		136815	164092
5.569		1187103	1173543
5.6		49730	31429
5.627		8529048	7926951
5.714		7671	14898
5.777		2358	1846
5.831		5112585	4690649
5.862		377945	256667
5.886		922863	1001638
5.998		74032	59399
6.022		57168	43242
6.05		2818	1508
6.074		155158	117601
6.101		869660	763516
6.167		31438	39483
6.229		12136	7231
6.256		1771832	1719784
6.3		111067	103108
6.337		5795	7199
6.456		313033	325952
6.571		5746	4428
6.603	DCB	267712	264575
6.637		7058	5179
6.661		3634	3797
6.744		2487	1364
6.774		2965	3684
6.812		2636	2071
6.858		26593	68710
6.977		1832	2572
7.05		1565	1056
7.072		2542	1357
7.105		1958	1493
7.136		1178	434
7.211		3292	3568
7.272		1613	905
7.313		2308	1515
7.359		2591	1917
7.405		3400	3741
7.492		1312	313
7.517		2380	2254
7.529		1188	413
7.551		1562	1482
7.594		1532	600
7.635		1173	874
7.671		2392	1312
7.732		1353	371
7.779		1236	401
7.802		1421	383
7.811		1590	539
7.829		1874	440
7.857		1359	1123
7.89		1255	708
7.953		16787	25578
8.008		1599	1550
8.035		1850	2175
8.12		1665	1366
8.192		980	240
8.273		3247	5128

RT A	Compound A	Height A	Area A
8.294		1839	1378
8.361		1470	739
8.411		1702	1169
8.566		2034	1106
8.582		1899	769
8.628		1317	591

LANCASTER LABORATORIES

Sample Number: 9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:46:02 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: 07PCBS17284001B.0073.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		5925	3305
1.554		9214	7556
1.618		8568	11739
1.649		6345	5380
1.684		9355	12351
1.712		9514	10972
1.74		7942	6375
1.77		26810	28545
1.817		7670	10095
1.851		25422	26374
1.878		12310	8635
1.9		20008	13914
1.932		153219	110834
1.956		9828	6322
1.999		10020	5009
2.024		12432	10843
2.045		8848	6929
2.075		14431	26916
2.143		11881	13446
2.166		6168	3624
2.191		3815	1911
2.206		6914	3429
2.266		5595	6416
2.286		6502	2846
2.297		10621	4128
2.34		175702	121900
2.419		6484	6847
2.441		4672	2724
2.467		7988	4393
2.516		10973	11518
2.551		3442	3863
2.591	TCX	484025	311119
2.635		15345	12103
2.653		3782	1718
2.68		5105	5646
2.71		2974	1554
2.738		2483	1178
2.763		31061	18780
2.789		6566	4061
2.809		5968	3144
2.824		28738	15426
2.847		3726	2001
2.876		87322	42395
2.888		110969	51363
2.948		7363	4407
2.987		28298	23263
3.049		4346	3871
3.084		221993	228800
3.135		25468	16559
3.157		10527	6495
3.181		18504	10061
3.205		228169	156463
3.245		12108	9652
3.289		53805	29043

3.304	27018	12645
3.355	89349	43627
3.364	237036	105031
3.383	74699	32385
3.397	140418	69094
3.413	45497	20199
3.471	224957	145919
3.507	775187	476200
3.529	504828	277799
3.547	382526	207459
3.577	4356	2122
3.611	4989	2434
3.632	519054	335606
3.655	178123	96216
3.676	216684	151529
3.704	44397	20373
3.721	347419	219332
3.761	117174	83001
3.802	69650	54589
3.832	163621	90616
3.854	2433622	1593904
3.879	363672	202609
3.898	371987	210500
3.918	599371	380808
3.953	2924655	2022626
3.984	1011046	606079
4.001	376043	182649
4.023	98339	56022
4.062	186191	141413
4.096	747955	517989
4.117	45231	29499
4.152	1523081	1107879
4.193	492278	477805
4.212	2741452	1528456
4.225	751519	328088
4.251	840216	828647
4.303	5453012	4232624
4.341	264289	235140
4.373	1913464	1286368
4.397	1273581	935669
4.44	7021859	5554344
4.493	27085	17921
4.541	4735447	4661199
4.591	1467855	1282072
4.631	1524039	1304636
4.668	8266672	6918840
4.701	2729605	1873636
4.739	2027817	1612585
4.797	9769	5347
4.81	30357	17442
4.838	474214	325225
4.855	193895	109052
4.888	3358288	2561461
4.911	969730	655630
4.961	2074291	1809051
4.997	996364	824419
5.028	783361	626865
5.06	614921	379243
5.083	10134840	8185089
5.124	187233	140250
5.154	260464	215487
5.219	5479	3679
5.275	73909	45917
5.299	1569300	1334054
5.342	6154940	6829867
5.498	154525	130515
5.545	225715	181734

5.568		36286	19537
5.59		102215	68171
5.616		965669	814149
5.658		11148	11778
5.698		19836	12659
5.725		2318882	1979457
5.757		131435	97376
5.803		6675	4804
5.926		472858	425445
6.085	DCB	367814	345702
6.122		18019	15213
6.215		2837	3617
6.26		9302	6503
6.284		52211	42709
6.45		2978	3451
6.527		3909	2836
6.559		3586	4440
6.619		1452	1530
6.657		1339	1703
6.771		4395	8873
6.852		1276	1362
6.931		1820	3114
6.987		3322	3399
7.036		1573	1562
7.103		1994	4210
7.183		1826	2263
7.463		3471	8406
7.515		26039	32817
7.716		3598	3747
8.06		8485	16776
8.163		9733	24879
8.372		15047	27656

9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 808

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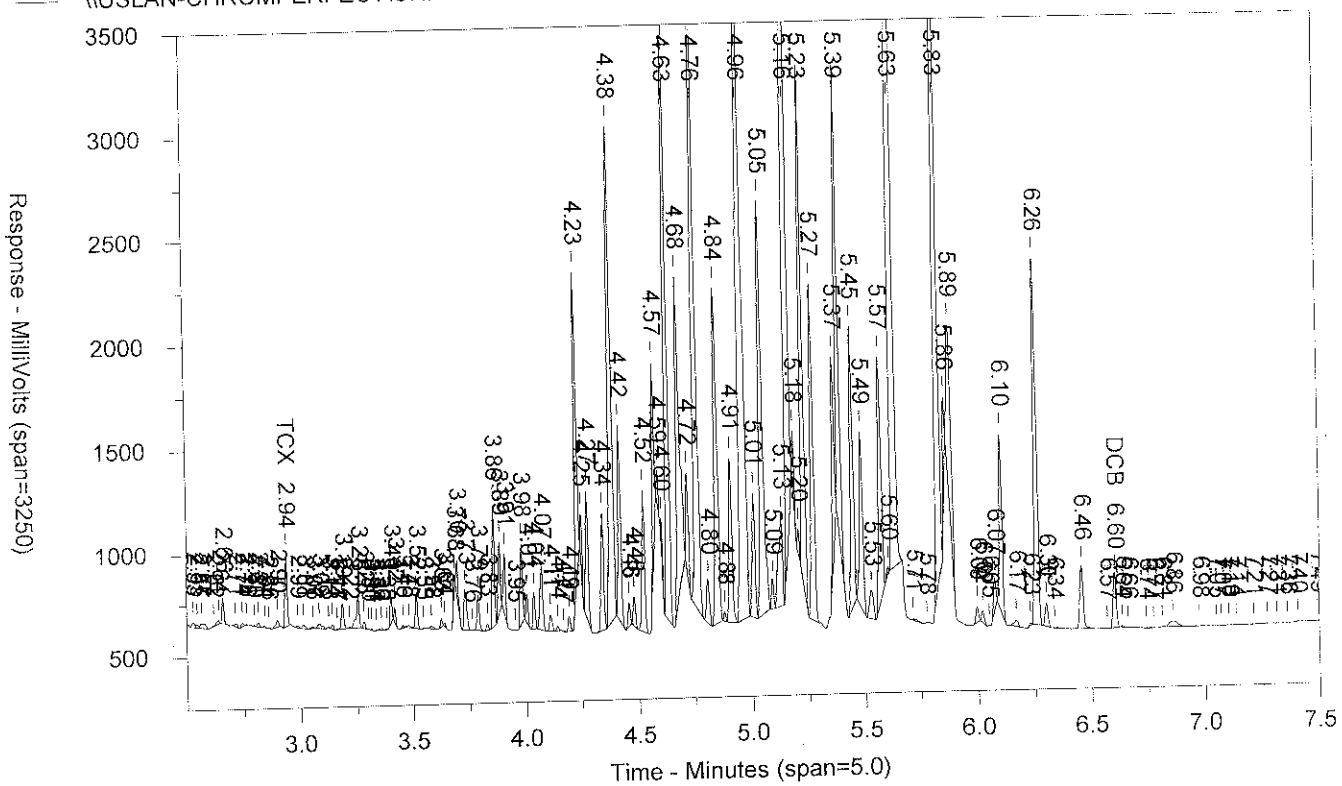

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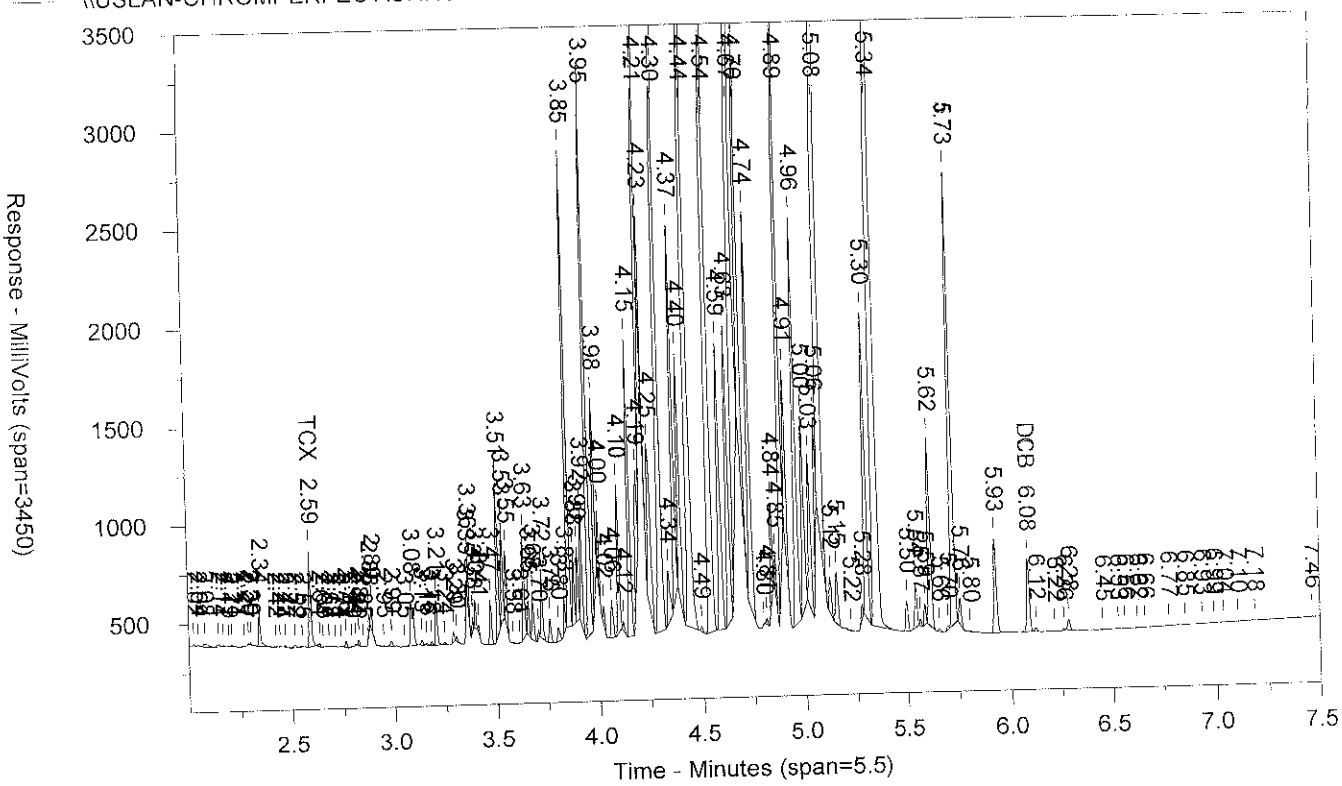

LANCASTER LABORATORIES

Sample Number: 9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:46:02 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: 10.15
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	352744	25.356	TCX	2.591	484025	23.008	TCX
6.603	267712	26.142	DCB	6.085	367814	19.145	DCB

Files:
Area File: 07PCBS17284001.0073.RAW
Area File: 07PCBS17284001B.0073.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:45 AM
File Reported On: 10/12/2017 at 9:38:16 AM

9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 808

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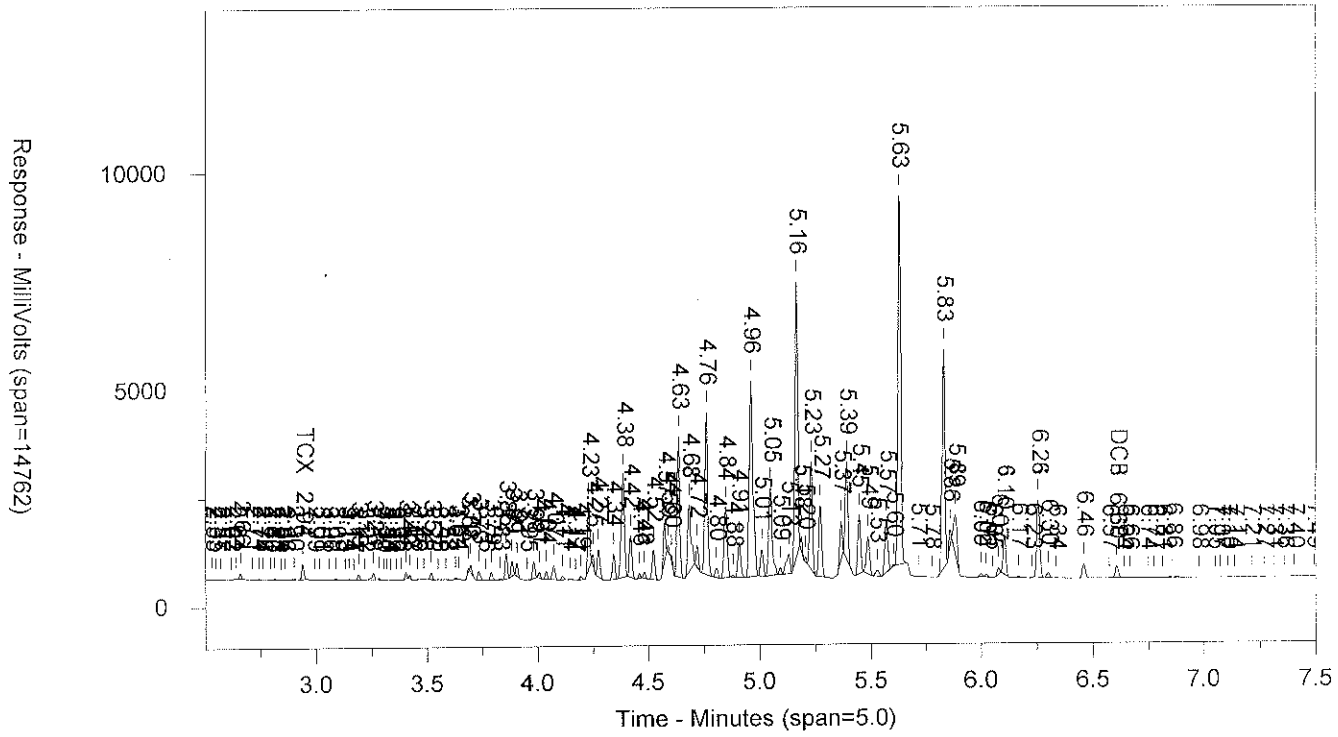

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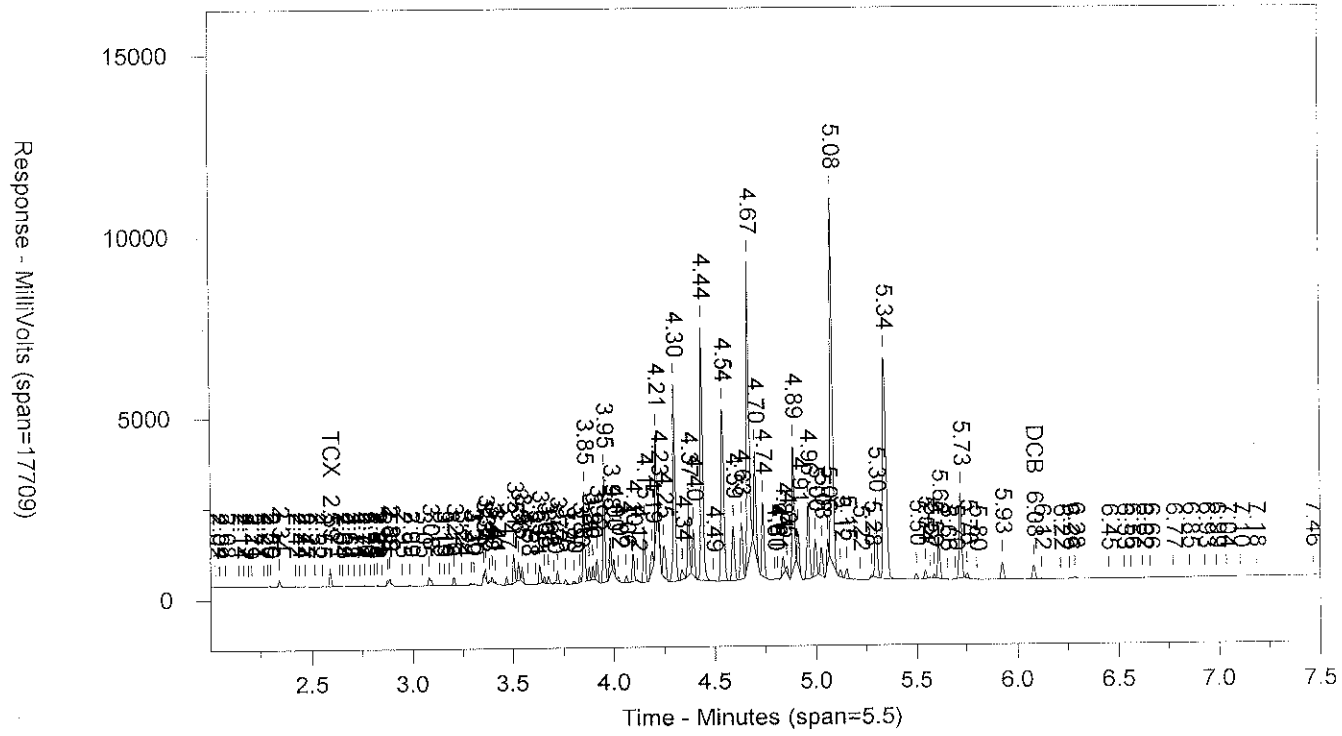

9229466MS ACF DF20 AC98A16 MS 172820027A 10225 SW-846 808

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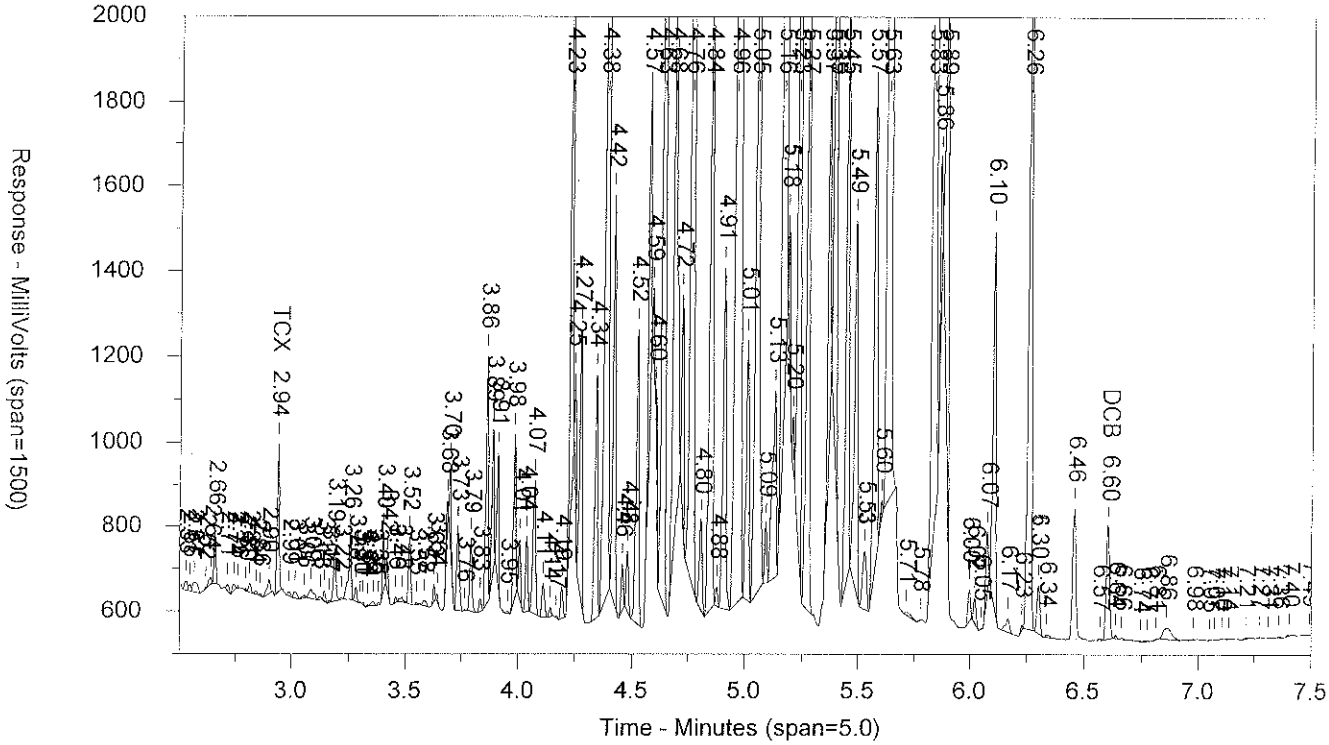

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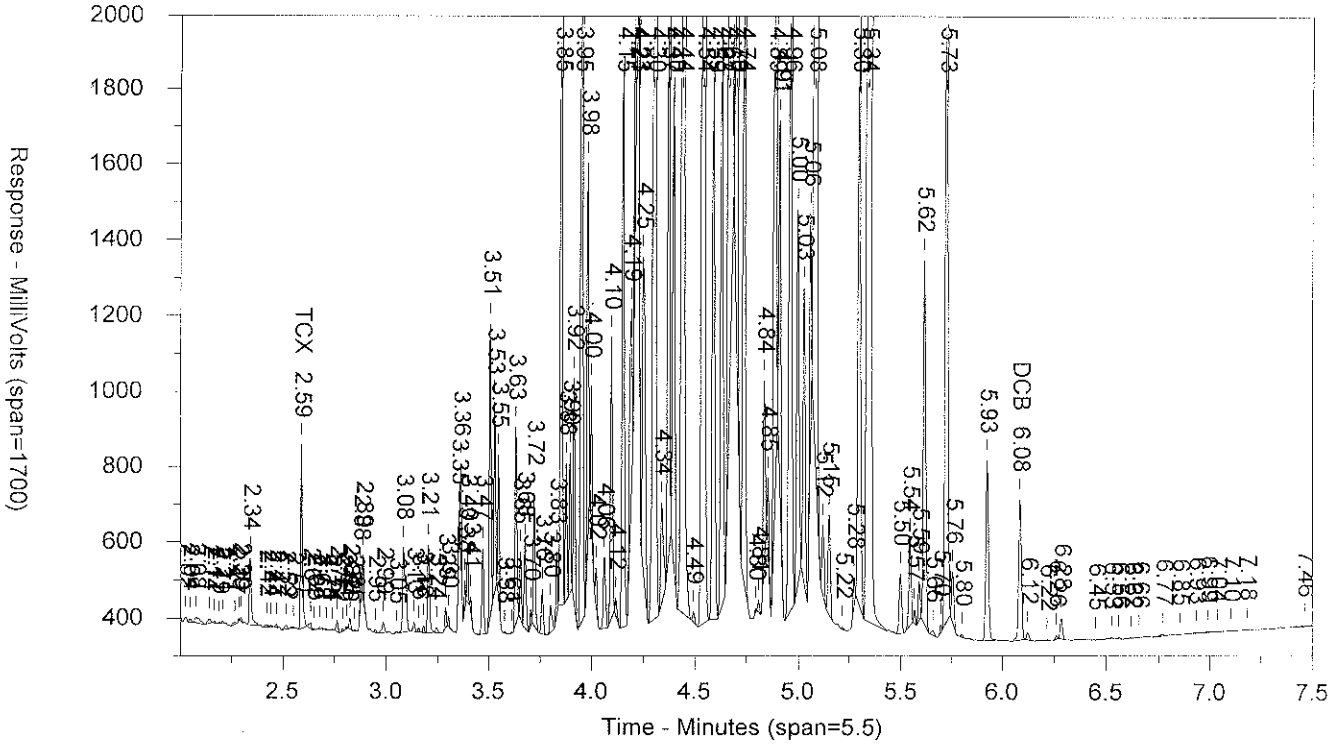

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Data Summary

Sample Name: 9229467 MSD ACF DF20 98A16 MSD Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:57:19
Instrument	19843A
Result file	07PCBS17284001.0074.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 81% (61 - 152) Conc: 24.62201
%SSR(DCB) 86% (48 - 164) Conc: 23.27953

Analysis Report (B)

Injected on	Oct 12, 2017 08:57:19
Instrument	19843B
Result file	07PCBS17284001B.0074.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 72% (61 - 152) Conc: 21.84372
%SSR(DCB) 68% (48 - 164) Conc: 18.45187

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	339157	24.62201
Decachlorobiphenyl	6.57	6.60	6.63	236047	23.27953

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	455005	21.84372
Decachlorobiphenyl	6.05	6.08	6.11	350999	18.45187

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	24.62201				11.96	
Tetrachloro-m-xylene-D1	A	24.62201					
Tetrachloro-m-xylene-D2	B	21.84372					
Decachlorobiphenyl	A	23.27953				23.14	
Decachlorobiphenyl-D1	A	23.27953					
Decachlorobiphenyl-D2	B	18.45187					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**24.38**	
3.17	3.19	3.21	112224.7	464.416865			1
3.38	3.40	3.42	119797.6	472.906017			2
3.50	3.52	3.54	131732.8	432.939995			3
3.71	3.73	3.75	165070.9	446.453366			4
3.77	3.79	3.81	145366.6	446.619755			5
3.96	3.98	4.00	186323.5	750.609561			6
Height summation:			**860516.1**				
Concentration		CF:	**502.32426**	L:			
Aroclor-1260						**15.82**	
4.74	4.76	4.78	1391736	2389.084784			1
4.94	4.95	4.98	1671757	2838.290405			2
5.14	5.16	5.18	2290878	3198.966015			3
5.37	5.39	5.41	854019.8	2155.329646			4
5.61	5.62	5.65	3178601	2575.201667			5
5.81	5.83	5.85	1832127	2186.340158			6
Height summation:			**11219118.8**				
Concentration		CF:	**2557.202113**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**31.84**	
2.86	2.88	2.90	148050.6	420.87801			1
3.19	3.21	3.23	184913.5	419.03545			2
3.38	3.40	3.42	153822.9	338.716565			3
3.45	3.47	3.49	180008.8	373.699791			4
3.51	3.53	3.55	262526.2	723.064058			5
3.61	3.63	3.65	257118	624.787162			6
Height summation:			**1186440**				
Concentration		CF:	**483.363506**	L:			
Aroclor-1260						**17.12**	
4.42	4.44	4.46	2570392	2479.832586			1
4.52	4.54	4.56	1665192	2140.550493			2
4.65	4.67	4.69	2891303	2941.648153			3
4.87	4.89	4.91	1248258	1851.701862			4
5.06	5.08	5.10	3368410	2128.702119			5
5.32	5.34	5.36	2127286	2055.88373			6
Height summation:			**13870841**				
Concentration		CF:	**2266.386491**	L:			

Valerie L. Tomaylo
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:17

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Data Summary

Sample Name: 9229467 MSD ACF DF20 98A16 MSD Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:57:19
Instrument	19843A
Result file	07PCBS17284001.0074.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 08:57:19
Instrument	19843B
Result file	07PCBS17284001B.0074.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	502.32426	<1014.9254	197.0149		3.85	4	
PCB-1221			<1014.9254	<304.4776			3	
PCB-1232			<1014.9254	<244.7761			4	
PCB-1242			<1014.9254	<244.7761			4	
PCB-1248			<1014.9254	<197.0149			4	
PCB-1254			<1014.9254	<262.6866			4	
PCB-1260	A	2557.202113	1014.9254	232.8358		12.06	4	
PCB-1262			<1014.9254	<197.0149			4	
PCB-1268			<1014.9254	<197.0149			4	
Total PCBs	A	3059.526372	1014.9254	197.0149				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:17

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229467** MSD ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0074.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET
%SSR(TCX) : 81% (61-152) Conc.: 24.62201
%SSR(DCB) : 86% (48-164) Conc.: 23.27953

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	24.38	
3.17	3.19	3.21	112224.7	464.416865			1
3.38	3.40	3.42	119797.6	472.906017			2
+ 3.38	3.42	3.42	63088.26	249.043535			2
3.50	3.52	3.54	131732.8	432.939995			3
3.71	3.73	3.75	165070.9	446.453366			4
3.77	3.79	3.81	145366.6	446.619755			5
3.96	3.98	4.00	186323.5	750.609561			6
Height Summation:			**860516.1**				
Amount Avg CF:			**502.32426**	Linear:			
Aroclor-1221					3	42.98	
3.07	3.08	3.11	19406.39	155.838517			1
3.12	3.14	3.16	19606.03	179.593273			2
3.17	3.19	3.21	112224.7	332.083787			3
Height Summation:			**151237.12**				
Amount Avg CF:			**222.505192**	Linear:			
Aroclor-1232					6	47.63	
3.17	3.19	3.21	112224.7	399.611694			1
3.38	3.40	3.42	119797.6	1050.151268			2
+ 3.38	3.42	3.42	63088.26	553.034587			2
3.50	3.52	3.54	131732.8	950.87882			3
3.71	3.73	3.75	165070.9	984.102212			4
3.77	3.79	3.81	145366.6	1059.95268			5
3.96	3.98	4.00	186323.5	1980.817476			6
Height Summation:			**860516.1**				
Amount Avg CF:			**1070.919025**	Linear:			
Aroclor-1242					6	25.16	
3.17	3.19	3.21	112224.7	333.666607			1
3.38	3.40	3.42	119797.6	352.119199			2
+ 3.38	3.42	3.42	63088.26	185.434329			2
3.50	3.52	3.54	131732.8	325.05369			3
3.71	3.73	3.75	165070.9	325.25859			4
3.77	3.79	3.81	145366.6	333.864332			5
3.96	3.98	4.00	186323.5	561.941302			6
Height Summation:			**860516.1**				
Amount Avg CF:			**371.983953**	Linear:			
Aroclor-1248					6	39.32	
3.71	3.73	3.75	165070.9	1001.629872			1
3.77	3.79	3.81	145366.6	806.16695			2
3.84	3.86	3.88	252086.4	816.613758			3
3.96	3.98	4.00	186323.5	538.042524			4
4.05	4.07	4.09	177157.8	565.14401			5
4.23	4.23	4.27	509604.8	1462.718079			6
+ 4.23	4.25	4.27	99455.61	285.467325			6
Height Summation:			**1435610**				
Amount Avg CF:			**865.052532**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0074.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET
%SSR(TCX) : 72% (61-152) Conc.: 21.84372
%SSR(DCB) : 68% (48-164) Conc.: 18.45187

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	31.84	
2.86	2.88	2.90	148050.6	420.87801			1
3.19	3.21	3.23	184913.5	419.03545			2
+ 3.38	3.38	3.42	25909.62	57.052737			3
3.38	3.40	3.42	153822.9	338.716565			3
3.45	3.47	3.49	180008.8	373.699791			4
3.51	3.53	3.55	262526.2	723.064058			5
+ 3.51	3.55	3.55	161406.4	444.554359			5
3.61	3.63	3.65	257118	624.787162			6
Height Summation:			**1186440**				
Amount Avg CF:			**483.363506**	Linear:			
Aroclor-1221					3	37.10	
2.74	2.76	2.78	28698.53	136.210886			1
+ 2.80	2.81	2.84	5003.123	38.162204			2
2.80	2.82	2.84	26749.65	204.037677			2
2.86	2.88	2.90	148050.6	292.188773			3
Height Summation:			**203498.78**				
Amount Avg CF:			**210.812445**	Linear:			
Aroclor-1232					6	52.96	
2.86	2.88	2.90	148050.6	363.857253			1
3.19	3.21	3.23	184913.5	915.33736			2
+ 3.38	3.38	3.42	25909.62	127.264716			3
3.38	3.40	3.42	153822.9	755.55827			3
3.45	3.47	3.49	180008.8	874.62807			4
3.51	3.53	3.55	262526.2	1885.210733			5
+ 3.51	3.55	3.55	161406.4	1159.065562			5
3.61	3.63	3.65	257118	1578.515994			6
Height Summation:			**1186440**				
Amount Avg CF:			**1062.184613**	Linear:			
Aroclor-1242					6	34.68	
2.86	2.88	2.90	148050.6	296.536271			1
3.19	3.21	3.23	184913.5	303.071561			2
+ 3.38	3.38	3.42	25909.62	42.501057			3
3.38	3.40	3.42	153822.9	252.324654			3
3.45	3.47	3.49	180008.8	269.67229			4
3.51	3.53	3.55	262526.2	555.875558			5
+ 3.51	3.55	3.55	161406.4	341.763499			5
3.61	3.63	3.65	257118	467.180108			6
Height Summation:			**1186440**				
Amount Avg CF:			**357.443407**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229467** MSD ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0074.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	73.92	
4.21	4.23	4.25	509604.8	1305.66238			1
+ 4.21	4.25	4.25	99455.61	254.815984			1
4.32	4.34	4.36	211182.4	1621.002001			2
4.55	4.57	4.59	247454.8	573.350729			3
+ 4.55	4.59	4.59	113689.5	263.417633			3
4.61	4.63	4.65	1131005	1314.510733			4
5.02	5.04	5.06	717737.5	2387.928713			5
5.14	5.16	5.18	2290878	4749.743586			6
+ 5.14	5.18	5.18	124051.2	257.198939			6
Height Summation:			**5107862.5**				
Amount Avg CF:			**1992.033024**	Linear:			
Aroclor-1260					6	15.82	
4.74	4.76	4.78	1391736	2389.084784			1
4.94	4.95	4.98	1671757	2838.290405			2
5.14	5.16	5.18	2290878	3198.966015			3
5.37	5.39	5.41	854019.8	2155.329646			4
5.61	5.62	5.65	3178601	2575.201667			5
5.81	5.83	5.85	1832127	2186.340158			6
Height Summation:			**11219118.8**				
Amount Avg CF:			**2557.202112**	Linear:			
Aroclor-1262					6	35.29	
5.21	5.23	5.25	949016.1	1258.096299			1
5.37	5.39	5.41	854019.8	1585.983719			2
5.61	5.62	5.65	3178601	2218.070282			3
5.81	5.83	5.85	1832127	1647.138483			4
5.87	5.88	5.91	391419.5	698.490551			5
6.24	6.25	6.28	692864.7	1238.387413			6
Height Summation:			**7898048.1**				
Amount Avg CF:			**1441.027791**	Linear:			
Aroclor-1268					6	95.04	
5.81	5.83	5.85	1832127	850.619692			1
5.87	5.88	5.91	391419.5	206.219712			2
6.00	6.02	6.04	23307.28	13.879123			3
+ 6.06	6.07	6.10	58920.14	140.524018			4
6.06	6.10	6.10	343092.3	818.272133			4
6.23	6.25	6.27	692864.7	1132.110589			5
6.43	6.45	6.47	128731.5	29.493746			6
Height Summation:			**3411542.28**				
Amount Avg CF:			**508.432499**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0074.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	35.13	
+ 3.38	3.38	3.42	25909.62	140.147211			1
3.38	3.40	3.42	153822.9	832.040391			1
3.45	3.47	3.49	180008.8	657.314284			2
3.49	3.51	3.53	319687.2	685.153386			3
3.61	3.63	3.65	257118	463.762345			4
+ 3.70	3.70	3.74	42635.39	106.247768			5
3.70	3.72	3.74	183561.8	457.437623			5
3.84	3.85	3.88	842772.6	1111.53498			6
Height Summation:			**1936971.3**				
Amount Avg CF:			**701.207168**	Linear:			
Aroclor-1254					6	74.82	
4.19	4.21	4.23	1232484	1077.871741			1
4.28	4.30	4.32	1925458	3483.185071			2
4.35	4.37	4.39	579200.2	908.241611			3
4.42	4.44	4.46	2570392	5676.302894			4
4.57	4.59	4.61	471788.7	955.647297			5
4.65	4.67	4.69	2891303	3522.044459			6
Height Summation:			**9670625.9**				
Amount Avg CF:			**2603.882179**	Linear:			
Aroclor-1260					6	17.12	
4.42	4.44	4.46	2570392	2479.832586			1
4.52	4.54	4.56	1665192	2140.550493			2
4.65	4.67	4.69	2891303	2941.648153			3
4.87	4.89	4.91	1248258	1851.701862			4
5.06	5.08	5.10	3368410	2128.702119			5
5.32	5.34	5.36	2127286	2055.88373			6
Height Summation:			**13870841**				
Amount Avg CF:			**2266.38649**	Linear:			
Aroclor-1262					6	30.64	
4.68	4.70	4.72	980170.9	918.599931			1
4.87	4.89	4.91	1248258	1193.44147			2
5.06	5.08	5.10	3368410	1612.536233			3
5.28	5.30	5.32	596626.6	701.479931			4
5.33	5.34	5.36	2127286	1543.463687			5
5.71	5.72	5.74	832983.9	1028.67142			6
Height Summation:			**9153735.4**				
Amount Avg CF:			**1166.365445**	Linear:			
Aroclor-1268					6	123.12	
5.28	5.30	5.32	596626.6	245.497491			1
5.33	5.34	5.36	2127286	928.879633			2
5.48	5.50	5.52	53900.78	24.944234			3
5.55	5.57	5.59	13117.91	23.385314			4
5.70	5.72	5.74	832983.9	920.363689			5
5.90	5.92	5.94	172366.2	24.289459			6
Height Summation:			**3796281.39**				
Amount Avg CF:			**361.226637**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229467** MSD ACF DF20 98A16 Sample ID: AC **Batchnumber: 172820027A**
Sample Amount: 10.05 g Total Volume: 200 ml Analyst: 9065 SDG: ATG98 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0074.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:57:19
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0074.RAW
Calibration file : 07PCBS1728401B.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			1014.9253	197.0149		3.85	4	40	
Aroclor-1221			1014.9253	304.4776		5.40	3	40	
Aroclor-1232			1014.9253	244.7761		0.82	4	40	
Aroclor-1242			1014.9253	244.7761		3.99	4	40	
Aroclor-1248			1014.9253	197.0149		20.92	4	40	
Aroclor-1254			1014.9253	262.6865		26.63	4	40	
Aroclor-1260			1014.9253	232.8358		12.06	4	40	
Aroclor-1262			1014.9253	197.0149		21.07	4	40	
Aroclor-1268			1014.9253	197.0149		33.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229467MSD ACF DF20AC98A16 MSD 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:57:19 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: 07PCBS17284001.0074.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.581		37588	41313
1.638		14255	21986
1.687		21049	22779
1.714		6104	4336
1.735		6582	8236
1.763		5635	5732
1.834		3989	2114
1.861		4430	3439
1.88		3952	3434
1.972		3563	1736
1.988		4029	2612
2.051		7105	6140
2.103		2653	963
2.142		17386	10978
2.209		40898	26089
2.282		8544	14040
2.334		18835	25080
2.355		8444	5766
2.372		8000	5639
2.4		14543	25344
2.431		8045	8416
2.464		12225	18355
2.49		4476	2347
2.527		10734	9510
2.568		11681	19521
2.617		2428	1548
2.639		7109	7408
2.658		40288	23534
2.717		7851	6206
2.747		7434	8414
2.811		9706	7896
2.899		9426	10105
2.937	TCX	339157	248237
2.985		5387	5195
3.01		8865	10720
3.053		4960	4328
3.084		19406	25014
3.121		3224	1723
3.142		19606	12759
3.165		2874	1373
3.188		112225	79459
3.239		6006	3509
3.256		40164	21716
3.281		20400	13407
3.314		4618	2040
3.333		3479	1729
3.38		3661	1850
3.402		119798	69497
3.418		63088	33091
3.455		10934	6116
3.471		3011	1039
3.482		7245	3502
3.515		131733	95319

RT A	Compound A	Height A	Area A
3.547		4430	2726
3.592		9257	5878
3.625		29595	16120
3.639		18249	8697
3.682		71552	39292
3.693		133818	70820
3.73		165071	132827
3.789		145367	106143
3.829		18894	13177
3.857		252086	174925
3.883		156984	112812
3.905		111599	67836
3.979		186324	134580
4.004		73736	48507
4.035		89984	64139
4.068		177158	159492
4.109		43462	35294
4.139		8522	8316
4.169		6974	3757
4.192		30851	22481
4.228		509605	378126
4.246		99456	50634
4.271		238681	204985
4.316		1458	419
4.339		211182	171785
4.382		828073	832924
4.416		328901	268707
4.456		37214	25701
4.478		44520	31260
4.519		235895	213733
4.571		247455	178370
4.587		113690	123894
4.632		1131005	1000871
4.68		608095	662603
4.716		183572	121082
4.756		1391736	1284088
4.803		69323	60608
4.843		560136	538417
4.875		16906	10315
4.903		319157	304538
4.955		1671757	2025315
5.006		241381	218275
5.045		717738	803411
5.089		55453	35294
5.126		178329	226766
5.16		2290878	1956720
5.182		124051	60917
5.201		44215	21423
5.225		949016	847997
5.269		641163	606071
5.364		343215	268829
5.388		854020	712449
5.445		546058	499859
5.484		357064	351312
5.526		52167	59764
5.568		468199	466468
5.598		17755	12560
5.624		3178601	3199023
5.711		2953	1860
5.829		1832127	1798512
5.86		159390	113543
5.884		391420	399150
5.995		24398	18687
6.019		23307	18347
6.072		58920	44365
6.099		343092	312808

RT A	Compound A	Height A	Area A
6.164		9544	10260
6.227		3452	2768
6.253		692865	692560
6.298		43839	38811
6.365		2174	1345
6.454		128732	131757
6.553		1777	1365
6.57		3805	2695
6.6	DCB	236047	225730
6.739		2550	1216
6.76		3425	2847
6.802		1912	1213
6.829		1641	876
6.867		1719	3489
6.918		1331	546
6.978		1236	1535
6.995		1498	847
7.013		3165	2640
7.108		2699	2863
7.125		1274	536
7.14		1495	626
7.154		1654	1060
7.222		1795	811
7.27		1576	581
7.313		1746	694
7.403		2593	3705
7.469		727	673
7.616		1211	632
7.652		2045	2220
7.673		2312	1218
7.767		875	290
7.801		1732	1774
7.835		1660	2636
7.853		2644	1609
7.945		1614	835
8.034		3239	6498
8.106		1353	883
8.207		1560	2606
8.239		1894	380
8.272		1765	1070
8.338		1303	545
8.381		1342	514
8.432		1543	2874
8.565		1025	515

LANCASTER LABORATORIES

Sample Number: 9229467MSD ACF DF20AC98A16 MSD 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:57:19 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: 07PCBS17284001B.0074.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.528		3724	2528
1.555		6182	4762
1.617		4005	4997
1.645		3602	3318
1.69		6486	8922
1.712		6106	8021
1.743		4585	3868
1.771		9009	9217
1.8		2804	2032
1.823		4332	5387
1.85		28054	23953
1.878		5496	4032
1.9		18982	11999
1.932		57039	38840
1.959		4351	2771
1.999		5769	2775
2.025		7765	7234
2.045		6643	4908
2.074		3693	2794
2.091		5855	4506
2.138		6847	8026
2.167		3905	2241
2.206		5495	8991
2.266		3905	4290
2.297		4062	3491
2.312		4799	3996
2.34		60695	52232
2.419		5270	6656
2.441		3633	1935
2.466		5840	3526
2.515		9656	10384
2.553		4381	6491
2.591	TCX	455005	289105
2.636		15390	10020
2.653		3440	1524
2.685		4865	5041
2.739		2714	2026
2.763		28699	17546
2.789		2501	1287
2.81		5003	2945
2.825		26750	15081
2.877		148051	145429
2.928		4586	2933
2.949		3625	2050
2.987		23416	19176
3.049		3360	2405
3.084		190980	195233
3.135		20679	12985
3.156		9545	5873
3.181		15395	8353
3.205		184914	128806
3.244		11009	8414
3.289		41723	22887
3.304		25666	11389

3.353	82480	39922
3.363	172490	78780
3.383	25910	11181
3.396	153823	107100
3.47	180009	117230
3.505	319687	199452
3.529	262526	147263
3.546	161406	87331
3.631	257118	162590
3.654	101257	54234
3.674	120494	76211
3.703	42635	20269
3.72	183562	113464
3.76	64725	46219
3.801	30081	24232
3.831	66835	39148
3.852	842773	550678
3.877	151820	85271
3.896	142766	78892
3.916	237066	146142
3.951	981054	687010
3.982	344566	209360
3.999	120614	62641
4.021	42740	24133
4.06	63723	53760
4.094	261023	182016
4.115	17335	10176
4.15	472554	340172
4.191	200926	183290
4.211	1232484	1273087
4.249	324453	328608
4.302	1925458	1545541
4.339	94128	87132
4.371	579200	395568
4.395	517047	383803
4.438	2570393	2006084
4.492	6305	4467
4.539	1665192	1708131
4.589	471789	416421
4.63	583016	511602
4.666	2891303	2423990
4.699	980171	705498
4.737	759179	614469
4.795	3647	2357
4.808	10748	6493
4.836	183175	125286
4.853	77864	45076
4.886	1248258	945337
4.909	376648	252956
4.96	754683	696182
4.996	383179	320201
5.026	300445	242801
5.058	177514	114322
5.081	3368410	2844413
5.122	76221	54066
5.153	99777	81833
5.218	4487	2620
5.273	28434	16413
5.297	596627	514606
5.341	2127286	2407994
5.496	53901	44073
5.543	82048	63115
5.566	13118	7246
5.588	30950	20174
5.615	351695	303095
5.657	3718	3724
5.697	6494	3972

5.724		832984	724526
5.756		47895	35523
5.925		172366	155921
6.083	DCB	350999	310182
6.121		5982	5601
6.2		1554	2288
6.26		2383	1677
6.284		13430	12738
6.385		2644	3952
6.449		3401	5695
6.508		2910	5208
6.56		3115	4803
6.617		3281	3707
6.765		2902	6588
6.811		1898	2113
6.85		1437	1325
6.927		1533	1757
7.511		8366	16619
7.589		2043	4131
7.898		2164	2466
8.059		9608	18487
8.164		9369	18396
8.368		21204	41445

9229467MSD ACF DF20AC98A16 MSD 172820027A 10225 SW-846 80

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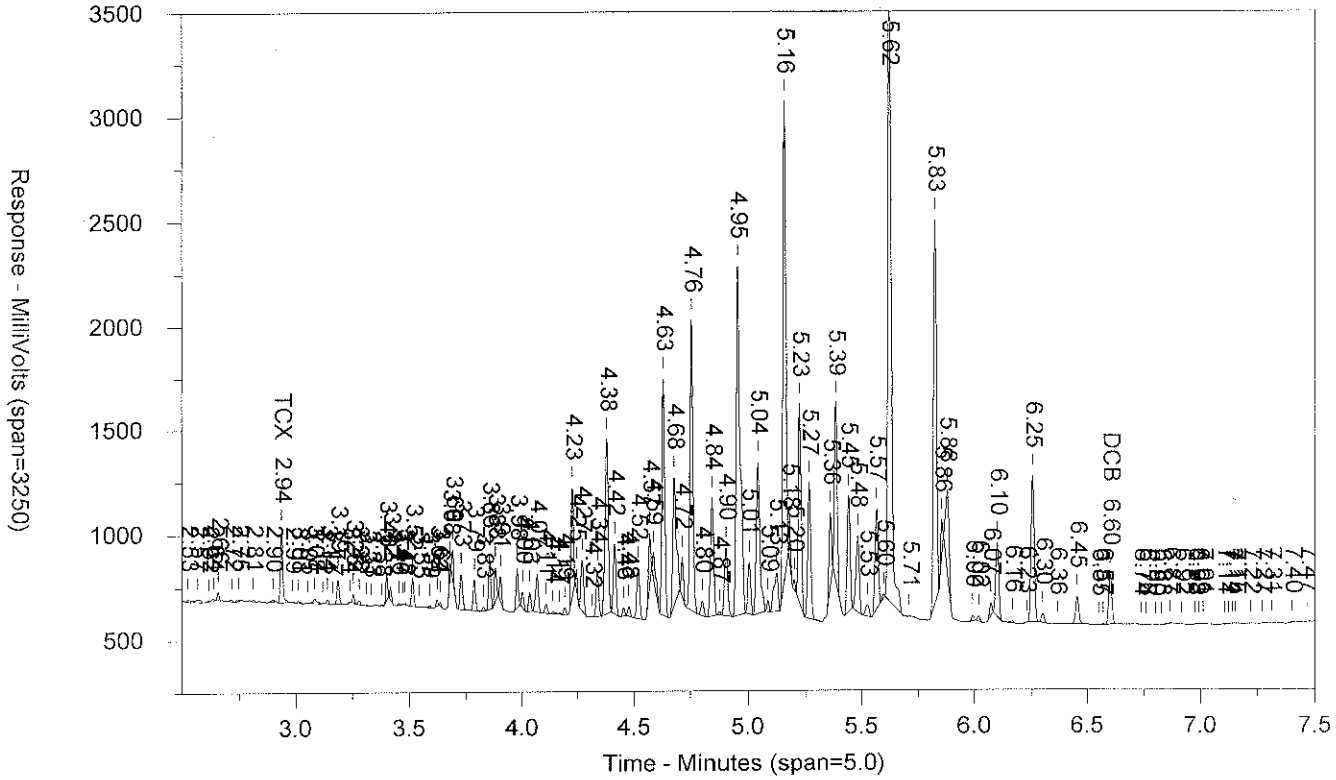

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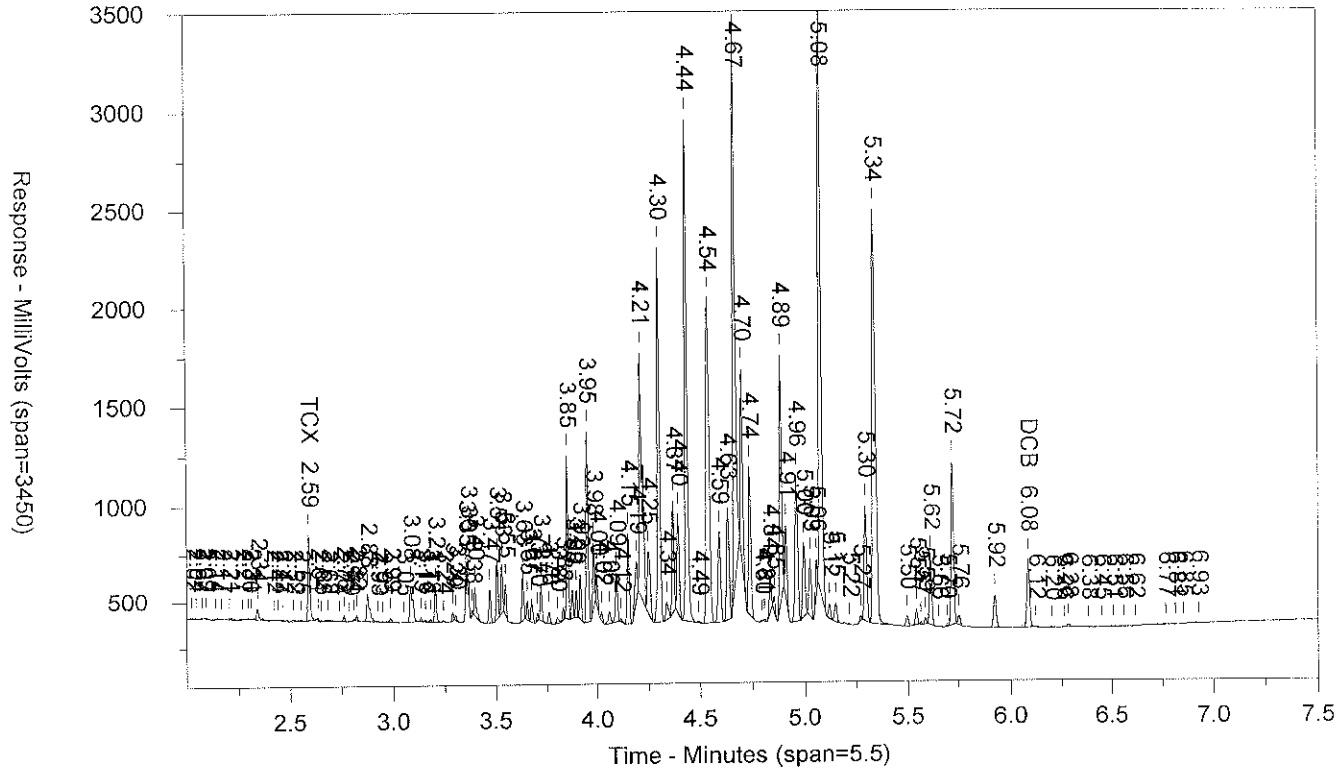

LANCASTER LABORATORIES

Sample Number: 9229467MSD ACF DF20AC98A16 MSD 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:57:19 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: 10.05
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	339157	24.622	TCX	2.591	455005	21.844	TCX
6.6	236047	23.28	DCB	6.083	350999	18.452	DCB

Files:
Area File: 07PCBS17284001.0074.RAW
Area File: 07PCBS17284001B.0074.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:45 AM
File Reported On: 10/12/2017 at 9:38:32 AM

9229467MSD ACF DF20AC98A16 MSD 172820027A 10225 SW-846 8C

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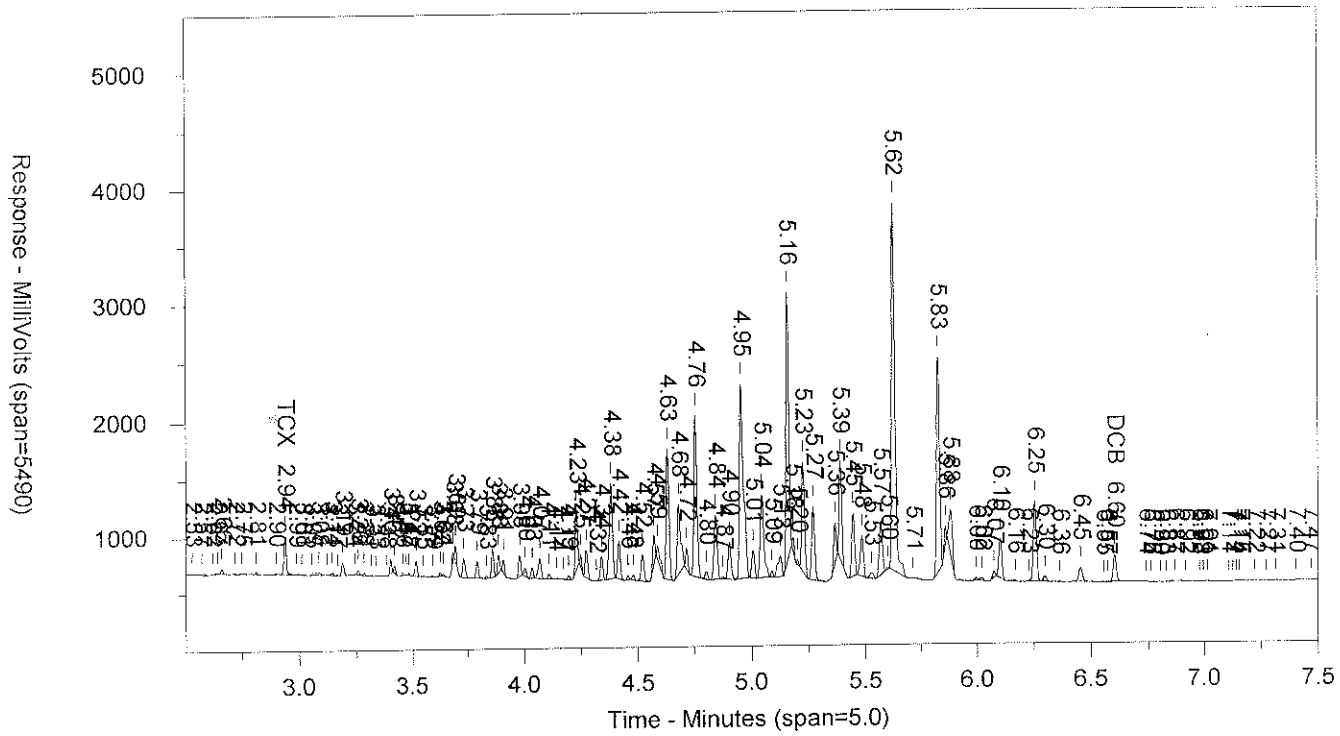

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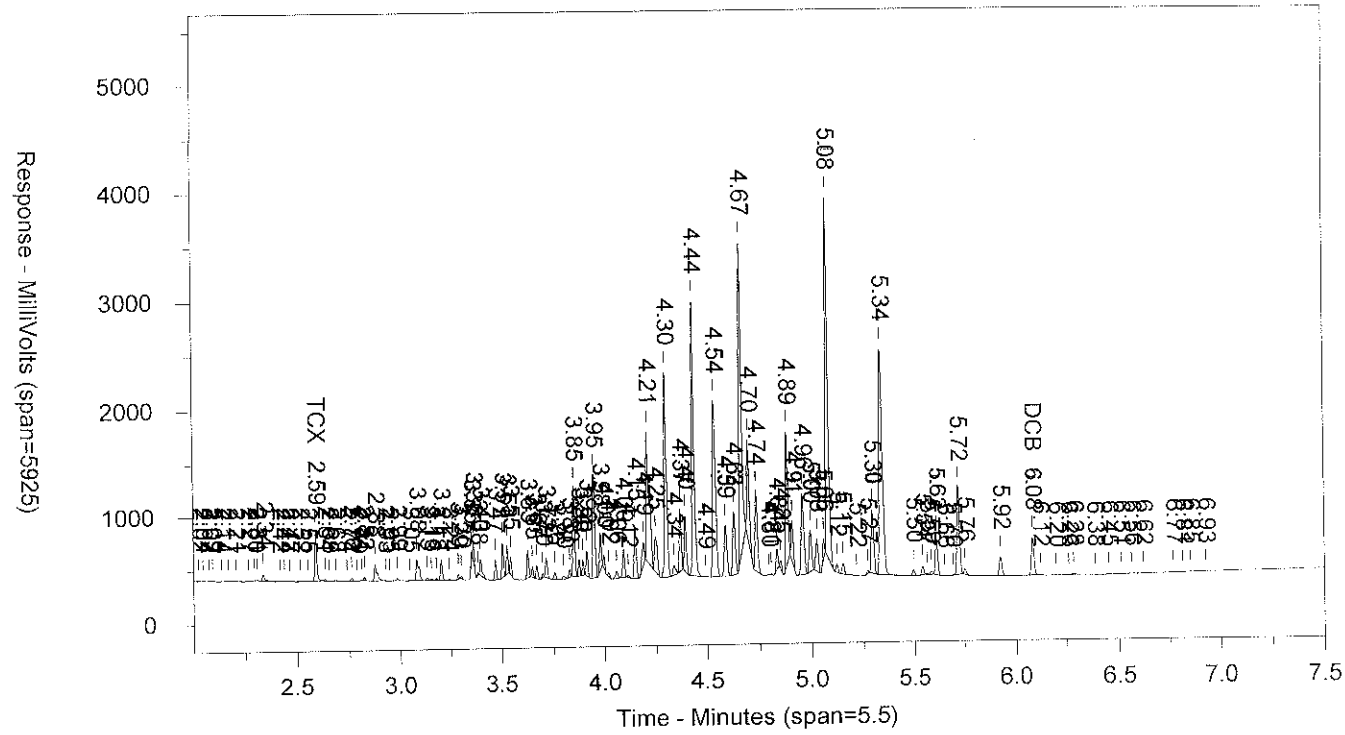

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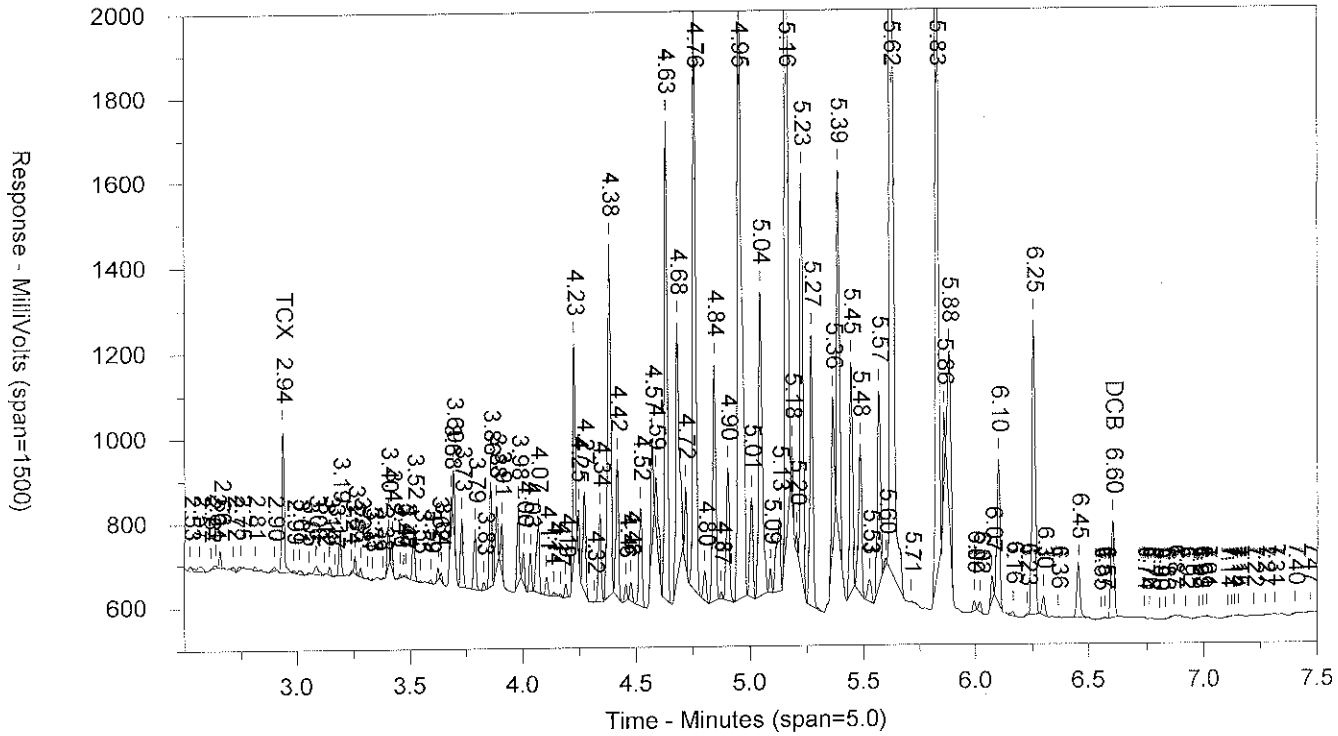

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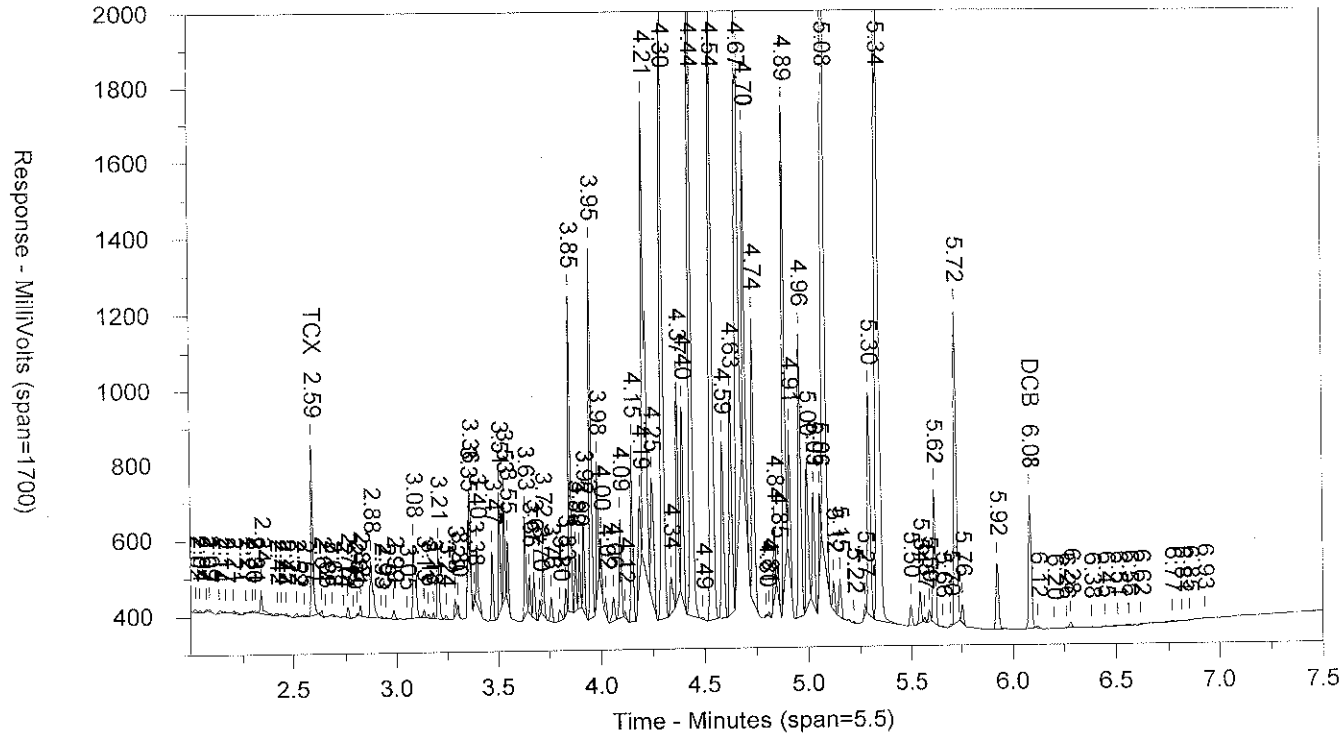

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Data Summary

Sample Name: LCSA 10/9/17 ACF LCS27282 LCS Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:00:03
Instrument	19843A
Result file	07PCBS17284001.0069.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

%SSR(TCX) 95% (61 - 152) Conc: 29.1342
%SSR(DCB) 91% (48 - 164) Conc: 24.68909

Analysis Report (B)

Injected on	Oct 12, 2017 08:00:03
Instrument	19843B
Result file	07PCBS17284001B.0069.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

%SSR(TCX) 92% (61 - 152) Conc: 28.03272
%SSR(DCB) 96% (48 - 164) Conc: 26.07772

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.91	2.94	2.97	7986280	29.1342
Decachlorobiphenyl	6.57	6.60	6.63	4981872	24.68909

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.56	2.59	2.62	11620330	28.03272
Decachlorobiphenyl	6.05	6.08	6.11	9871870	26.07772

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	29.1342				3.85	
Tetrachloro-m-xylene-D1	A	29.1342					
Tetrachloro-m-xylene-D2	B	28.03272					
Decachlorobiphenyl	B	26.07772				5.47	
Decachlorobiphenyl-D1	A	24.68909					
Decachlorobiphenyl-D2	B	26.07772					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.13**	
3.17	3.19	3.21	2088001	434.196479			1
3.38	3.40	3.42	2240977	444.529091			2
3.50	3.52	3.54	2634064	435.006928			3
3.71	3.73	3.75	3381902	459.623967			4
3.77	3.79	3.81	2909172	449.136925			5
3.96	3.98	4.00	2195924	444.528725			6
Height summation:			**15450040**				
Concentration		CF:	**444.503686**	L:			
Aroclor-1260						**5.49**	
4.74	4.76	4.78	5393887	465.2781			1
4.94	4.95	4.98	5537710	472.443582			2
5.14	5.16	5.18	7299514	512.197762			3
5.37	5.39	5.41	3455107	438.170697			4
5.61	5.62	5.65	12187260	496.154999			5
5.81	5.83	5.85	7748930	464.664999			6
Height summation:			**41622408**				
Concentration		CF:	**474.818357**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.22**	
2.86	2.88	2.90	2771287	395.880066			1
3.19	3.21	3.23	3521792	401.034666			2
3.38	3.40	3.42	3825672	423.310694			3
3.45	3.47	3.49	4242334	442.557843			4
3.51	3.53	3.55	2986184	413.291765			5
3.61	3.63	3.65	3515388	429.24866			6
Height summation:			**20862657**				
Concentration		CF:	**417.553949**	L:			
Aroclor-1260						**5.03**	
4.42	4.44	4.46	9763238	473.317916			1
4.52	4.54	4.56	7135077	460.888521			2
4.65	4.67	4.69	9757847	498.869772			3
4.87	4.89	4.91	5972306	445.189408			4
5.06	5.08	5.10	15676560	497.825088			5
5.32	5.34	5.36	10398870	505.004075			6
Height summation:			**58703898**				
Concentration		CF:	**480.182463**	L:			

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:06

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Data Summary

Sample Name: LCSA 10/9/17 ACF LCS27282 LCS Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 12, 2017 08:00:03
Instrument	19843A
Result file	07PCBS17284001.0069.RAW
Calibration file	07PCBS1728401
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 12, 2017 08:00:03
Instrument	19843B
Result file	07PCBS17284001B.0069.RAW
Calibration file	07PCBS1728401B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	444.503686	51	9.9		6.25	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	480.182463	51	11.7		1.12	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	924.686149	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 18 2017

Reviewed and digitally signed by Kirby B Turner on 10/17/2017 09:27:06

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.13	
3.17	3.19	3.21	2088001	434.196479			1
3.38	3.40	3.42	2240977	444.529091			2
+ 3.38	3.42	3.42	1070012	212.251827			2
3.50	3.52	3.54	2634064	435.006928			3
3.71	3.73	3.75	3381902	459.623967			4
3.77	3.79	3.81	2909172	449.136925			5
3.96	3.98	4.00	2195924	444.528725			6
Height Summation:			**15450040**				
Amount Avg CF:			**444.503686**	Linear:			
Aroclor-1221					3	37.31	
3.07	3.08	3.11	355165.7	143.31681			1
E 3.12	3.14	3.16	476308.7	219.24262			2
E 3.17	3.19	3.21	2088001	310.474537			3
Height Summation:			**2919475.4**				
Amount Avg CF:			**224.344656**	Linear:			
Aroclor-1232					6	30.40	
E 3.17	3.19	3.21	2088001	373.60829			1
E 3.38	3.40	3.42	2240977	987.136496			2
E+ 3.38	3.42	3.42	1070012	471.333662			2
E 3.50	3.52	3.54	2634064	955.418486			3
E 3.71	3.73	3.75	3381902	1013.133728			4
E 3.77	3.79	3.81	2909172	1065.926623			5
E 3.96	3.98	4.00	2195924	1173.086932			6
Height Summation:			**15450040**				
Amount Avg CF:			**928.051759**	Linear:			
Aroclor-1242					6	2.70	
E 3.17	3.19	3.21	2088001	311.95436			1
E 3.38	3.40	3.42	2240977	330.990137			2
+ 3.38	3.42	3.42	1070012	158.039738			2
E 3.50	3.52	3.54	2634064	326.605555			3
E 3.71	3.73	3.75	3381902	334.853883			4
E 3.77	3.79	3.81	2909172	335.746007			5
E 3.96	3.98	4.00	2195924	332.794922			6
Height Summation:			**15450040**				
Amount Avg CF:			**328.824144**	Linear:			
Aroclor-1248					6	72.68	
E 3.71	3.73	3.75	3381902	1031.178463			1
3.77	3.79	3.81	2909172	810.710545			2
3.84	3.86	3.88	1964104	319.718541			3
3.96	3.98	4.00	2195924	318.641501			4
4.05	4.07	4.09	2412378	386.705434			5
4.23	4.25	4.27	530954.9	76.580962			6
Height Summation:			**13394434.9**				
Amount Avg CF:			**490.589241**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.22	
2.86	2.88	2.90	2771287	395.880066			1
3.19	3.21	3.23	3521792	401.034666			2
+ 3.38	3.38	3.42	112899.9	12.492376			3
3.38	3.40	3.42	3825672	423.310694			3
3.45	3.47	3.49	4242334	442.557843			4
3.51	3.53	3.55	2986184	413.291765			5
+ 3.51	3.55	3.55	914739.1	126.601086			5
3.61	3.63	3.65	3515388	429.24866			6
+ 3.61	3.65	3.65	1279024	156.176029			6
Height Summation:			**20862657**				
Amount Avg CF:			**417.553949**	Linear:			
Aroclor-1221					3	35.34	
2.74	2.76	2.78	546505.4	130.341493			1
+ 2.80	2.81	2.84	84983.44	32.573366			2
E 2.80	2.82	2.84	544879.5	208.84727			2
E 2.86	2.88	2.90	2771287	274.834294			3
Height Summation:			**3862671.9**				
Amount Avg CF:			**204.674352**	Linear:			
Aroclor-1232					6	31.55	
E 2.86	2.88	2.90	2771287	342.246043			1
E 3.19	3.21	3.23	3521792	876.016605			2
+ 3.38	3.38	3.42	112899.9	27.866126			3
E 3.38	3.40	3.42	3825672	944.258204			3
E 3.45	3.47	3.49	4242334	1035.78734			4
E 3.51	3.53	3.55	2986184	1077.55608			5
E+ 3.51	3.55	3.55	914739.1	330.081026			5
E 3.61	3.63	3.65	3515388	1084.490713			6
Height Summation:			**20862657**				
Amount Avg CF:			**893.392497**	Linear:			
Aroclor-1242					6	5.84	
E 2.86	2.88	2.90	2771287	278.923573			1
E 3.19	3.21	3.23	3521792	290.052315			2
+ 3.38	3.38	3.42	112899.9	9.306113			3
E 3.38	3.40	3.42	3825672	315.342488			3
E 3.45	3.47	3.49	4242334	319.362199			4
E 3.51	3.53	3.55	2986184	317.729512			5
+ 3.51	3.55	3.55	914739.1	97.328098			5
E 3.61	3.63	3.65	3515388	320.967599			6
Height Summation:			**20862657**				
Amount Avg CF:			**307.062948**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	84.56	
4.21	4.23	4.25	2457739	316.423848			1
+ 4.21	4.25	4.25	530954.9	68.358273			1
4.32	4.34	4.36	426718.1	164.589816			2
+ 4.55	4.57	4.59	397591.2	46.29108			3
4.55	4.59	4.59	608914.8	70.895241			3
4.61	4.63	4.65	1765899	103.133923			4
5.02	5.05	5.06	2583089	431.848242			5
5.14	5.16	5.18	7299514	760.498243			6
+ 5.14	5.18	5.18	347266.8	36.179914			6
Height Summation:			**15141873.9**				
Amount Avg CF:			**307.898219**	Linear:			
Aroclor-1260					6	5.49	
4.74	4.78	4.78	5393887	465.2781			1
4.94	4.95	4.98	5537710	472.443582			2
5.14	5.16	5.18	7299514	512.197762			3
5.37	5.39	5.41	3455107	438.170697			4
5.61	5.62	5.65	12187260	496.154999			5
5.81	5.83	5.85	7748930	464.664999			6
Height Summation:			**41622408**				
Amount Avg CF:			**474.818357**	Linear:			
Aroclor-1262					6	31.94	
E 5.21	5.23	5.25	4065817	270.847105			1
E 5.37	5.39	5.41	3455107	322.424736			2
E 5.61	5.62	5.65	12187260	427.347758			3
E 5.81	5.83	5.85	7748930	350.067943			4
5.87	5.88	5.91	1671096	149.849585			5
E 6.24	6.25	6.28	2828890	254.073997			6
Height Summation:			**31957100**				
Amount Avg CF:			**295.768521**	Linear:			
Aroclor-1268					6	94.53	
5.81	5.83	5.85	7748930	180.78303			1
5.87	5.88	5.91	1671096	44.241025			2
6.00	6.02	6.04	192762.5	5.76805			3
+ 6.06	6.07	6.10	145756.1	17.468258			4
6.06	6.10	6.10	1163725	139.467566			4
E 6.23	6.25	6.27	2828890	232.269692			5
6.43	6.45	6.47	630534.1	7.259216			6
Height Summation:			**14235937.6**				
Amount Avg CF:			**101.63143**	Linear:			

Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	61.51	
+ 3.38	3.38	3.42	112899.9	30.686901			1
E 3.38	3.40	3.42	3825672	1039.84166			1
3.45	3.47	3.49	4242334	778.431241			2
3.49	3.51	3.53	2855464	307.521381			3
3.61	3.63	3.65	3515388	318.619487			4
+ 3.70	3.70	3.74	809258.9	101.338186			5
3.70	3.72	3.74	2964714	371.251694			5
3.84	3.85	3.88	4200856	278.411127			6
Height Summation:			**21604428**				
Amount Avg CF:			**515.679432**	Linear:			
Aroclor-1254					6	96.06	
+ 4.19	4.19	4.23	873897.8	38.404535			1
+ 4.19	4.21	4.23	860022.8	37.79478			1
4.19	4.22	4.23	2272132	99.85169			1
4.28	4.30	4.32	7824859	711.303732			2
4.35	4.37	4.39	728800.9	57.427202			3
E 4.42	4.44	4.46	9763238	1083.418241			4
4.57	4.59	4.61	914202.9	93.052653			5
4.65	4.67	4.69	9757847	597.298326			6
Height Summation:			**31261079.8**				
Amount Avg CF:			**440.391974**	Linear:			
Aroclor-1260					6	5.03	
4.42	4.44	4.46	9763238	473.317916			1
4.52	4.54	4.56	7135077	460.888521			2
4.65	4.67	4.69	9757847	498.869772			3
4.87	4.89	4.91	5972306	445.189408			4
5.06	5.08	5.10	15676560	497.825088			5
5.32	5.34	5.36	10398870	505.004075			6
Height Summation:			**58703898**				
Amount Avg CF:			**480.182463**	Linear:			
Aroclor-1262					6	29.37	
E 4.68	4.70	4.72	4560144	214.752994			1
E 4.87	4.89	4.91	5972306	286.92929			2
E 5.06	5.08	5.10	15676560	377.112883			3
5.28	5.30	5.32	3075569	181.708055			4
E 5.33	5.34	5.36	10398870	379.134014			5
E 5.71	5.72	5.74	4012774	249.012319			6
Height Summation:			**43696223**				
Amount Avg CF:			**281.441593**	Linear:			
Aroclor-1268					6	119.05	
5.28	5.30	5.32	3075569	63.592513			1
E 5.33	5.34	5.36	10398870	228.168545			2
5.48	5.50	5.52	220070.9	5.117688			3
5.55	5.56	5.59	136967.7	12.269667			4
E 5.70	5.72	5.74	4012774	222.794074			5
5.90	5.92	5.94	1132028	8.016023			6
Height Summation:			**18976279.6**				
Amount Avg CF:			**89.993085**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 10 /9/17 ACF LCS27282 Sample ID: AB **Batchnumber: 172820027A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843A
Result file : 07PCBS17284001.0069.RAW
Calibration file : 07PCBS1728401.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 12, 2017 08:00:03
Instrument : CP 7--19843B
Result file : 07PCBS17284001B.0069.RAW
Calibration file : 07PCBS1728401B.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						6.25	4	40	
Aroclor-1221						9.17	3	40	
Aroclor-1232						3.81	4	40	
Aroclor-1242						6.84	4	40	
Aroclor-1248						4.99	4	40	
Aroclor-1254						35.41	4	40	
Aroclor-1260						1.12	4	40	
Aroclor-1262						4.96	4	40	
Aroclor-1268						12.15	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 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: 07PCBS17284001.0069.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1728401.CAL

RT A	Compound A	Height A	Area A
1.534		23888	47202
1.599		98695	213818
1.642		46754	60580
1.663		42988	40026
1.686		126571	209618
1.745		55582	92607
1.765		52526	62160
1.793		46898	73072
1.847		46705	91875
1.888		41749	45944
1.914		49746	92480
1.943		45164	63503
1.971		42744	65711
2.004		95224	107231
2.05		42086	76849
2.089		37090	59790
2.118		29566	27766
2.142		682023	542835
2.193		20878	18018
2.209		31455	27611
2.236		15282	13616
2.332		93906	63977
2.375		3989	2651
2.401		1061268	676618
2.451		2393	1470
2.514		24576	64155
2.547		12895	15124
2.574		22733	16048
2.659		3308	1848
2.709		6562	3883
2.746		52853	58304
2.784		14362	11008
2.821		3656	2247
2.898		7898	5998
2.936	TCX	7986280	5429361
2.996		7235	4199
3.047		5025	5212
3.084		355166	313360
3.141		476309	392053
3.188		2088001	1486739
3.264		13389	8965
3.281		268785	179326
3.322		5541	2858
3.401		2240977	1305422
3.418		1070012	577482
3.455		282505	161727
3.472		29689	14510
3.482		153507	77004
3.515		2634064	1921539
3.552		16081	8206
3.565		10649	5668
3.592		173046	129280
3.624		612429	357988

RT A	Compound A	Height A	Area A
3.638		332356	167978
3.659		59674	26793
3.681		1681390	829870
3.692		3220824	1506503
3.729		3381903	2481066
3.788		2909172	2166337
3.829		238806	163490
3.856		1964104	1434767
3.883		1385278	1149707
3.904		354339	181876
3.955		2806	1031
3.979		2195924	1566449
4.003		833277	544042
4.034		904883	634710
4.067		2412378	2286502
4.107		748587	597598
4.153		123597	100688
4.193		164342	124875
4.227		2457739	1735842
4.245		530955	296360
4.27		726402	550989
4.339		426718	364469
4.382		2657464	2554580
4.415		89466	65645
4.478		26836	19468
4.519		227535	204721
4.57		397591	256912
4.587		608915	408191
4.631		1765899	1601787
4.679		2600941	2814103
4.717		575477	417159
4.756		5393887	4857111
4.801		26476	20685
4.842		866505	883625
4.874		49422	31619
4.902		896586	826120
4.954		5537710	6627622
5.005		986984	897305
5.045		2583089	2755902
5.087		23460	11862
5.126		533803	637115
5.159		7299514	6423375
5.181		347267	166761
5.2		102936	43201
5.226		4065817	3574095
5.268		2449228	2281425
5.363		884208	737557
5.387		3455107	3148661
5.444		1924840	1789047
5.484		1166288	1211705
5.526		244257	251292
5.567		1653191	1825202
5.624		12187260	12631620
5.829		7748931	7134018
5.86		497833	345241
5.884		1671096	1786125
5.995		1663	393
6.019		192763	178200
6.074		145756	123553
6.099		1163725	1087675
6.254		2828890	2607946
6.298		178224	161913
6.454		630534	647596
6.518		2131	937
6.563		2105	1033
6.6	DCB	4981872	5101194

RT A	Compound A	Height A	Area A
6.732		1845	1153
6.855		1543	671
7.022		1543	406
7.068		1402	410
7.149		1551	370
7.321		2043	616
7.514		1871	430
7.578		1700	448
7.763		1076	606
7.847		1273	292
7.904		1294	816
7.971		1886	725
8.044		1650	1579
8.077		1270	468
8.248		1584	823
8.345		1541	649
8.566		1516	545
8.637		1927	415

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 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: 07PCBS17284001B.0069.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1728401B.CAL

RT B	Compound B	Height B	Area A
1.504		3323	1941
1.531		11175	11398
1.561		6059	4506
1.587		7576	5399
1.601		13512	10816
1.634		7712	8959
1.675		6613	8448
1.735		76673	70051
1.802		37881	32997
1.826		17417	13164
1.85		931727	678166
1.9		148506	145501
1.967		45597	52577
2.012		11566	9470
2.029		8801	8829
2.092		1542842	931327
2.162		5783	5331
2.176		9038	5371
2.212		3293	6373
2.276		34618	26056
2.319		2168	1788
2.368		14059	9780
2.412		75505	47315
2.438		50264	30804
2.461		5332	4404
2.491		2802	2242
2.508		37553	24909
2.548		8036	4114
2.567		24187	12527
2.592	TCX	11620330	7138908
2.635		208299	145193
2.713		32717	18629
2.742		5230	3408
2.763		546505	404566
2.809		84983	38640
2.824		544880	323922
2.876		2771287	1841191
2.925		32257	17697
2.949		4956	3518
2.987		387647	263373
3.061		4907	2077
3.084		3570457	3632931
3.135		439482	303062
3.157		195180	120625
3.182		309085	173113
3.205		3521792	2485553
3.242		122747	70300
3.289		877014	449942
3.303		488192	228633
3.354		1448529	787633
3.363		3926706	1805533
3.383		112900	37503
3.396		3825672	2603136
3.47		4242334	2607660

3.505		2855464	1780912
3.528		2986185	1628669
3.546		914739	460897
3.599		9067	7686
3.631		3515388	2274175
3.653		1279024	679860
3.674		1209645	715603
3.702		809259	410924
3.719		2964714	1805219
3.761		1017537	741542
3.808		147773	125917
3.83		708750	421102
3.852		4200857	2618514
3.876		779973	467098
3.895		119543	56982
3.915		492659	314722
3.951		3359697	2317850
3.984		140204	78255
3.999		247355	156812
4.059		30693	28958
4.093		224135	194334
4.15		943736	678602
4.192		873898	532047
4.21		860023	415204
4.223		2272132	1269674
4.25		1335569	1346796
4.301		7824859	5795074
4.349		90053	66828
4.37		728801	482210
4.395		1697453	1251476
4.437		9763238	7407336
4.539		7135077	7247456
4.591		914203	759515
4.629		2092663	1772427
4.666		9757847	8058678
4.698		4560144	3242101
4.736		3283013	2629410
4.795		4943	6995
4.835		967258	701391
4.852		144713	71033
4.886		5972306	4685927
4.909		751454	452078
4.959		3180612	2782321
4.994		1644276	1287859
5.025		1280137	1017927
5.057		593667	359633
5.08		15676560	12947570
5.121		305788	221382
5.152		490384	402013
5.272		164974	104634
5.296		3075569	2553371
5.341		10398870	11474530
5.496		220071	195011
5.542		284867	215903
5.565		136968	90574
5.614		1687286	1538635
5.723		4012774	3441794
5.754		220905	164263
5.923		1132028	1018095
6.083	DCB	9871870	9044059
6.255		5680	6469
6.807		2103	2243
7.379		1578	1484
8.076		2065	2647
8.163		9469	15944
8.441		1857	10963

LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

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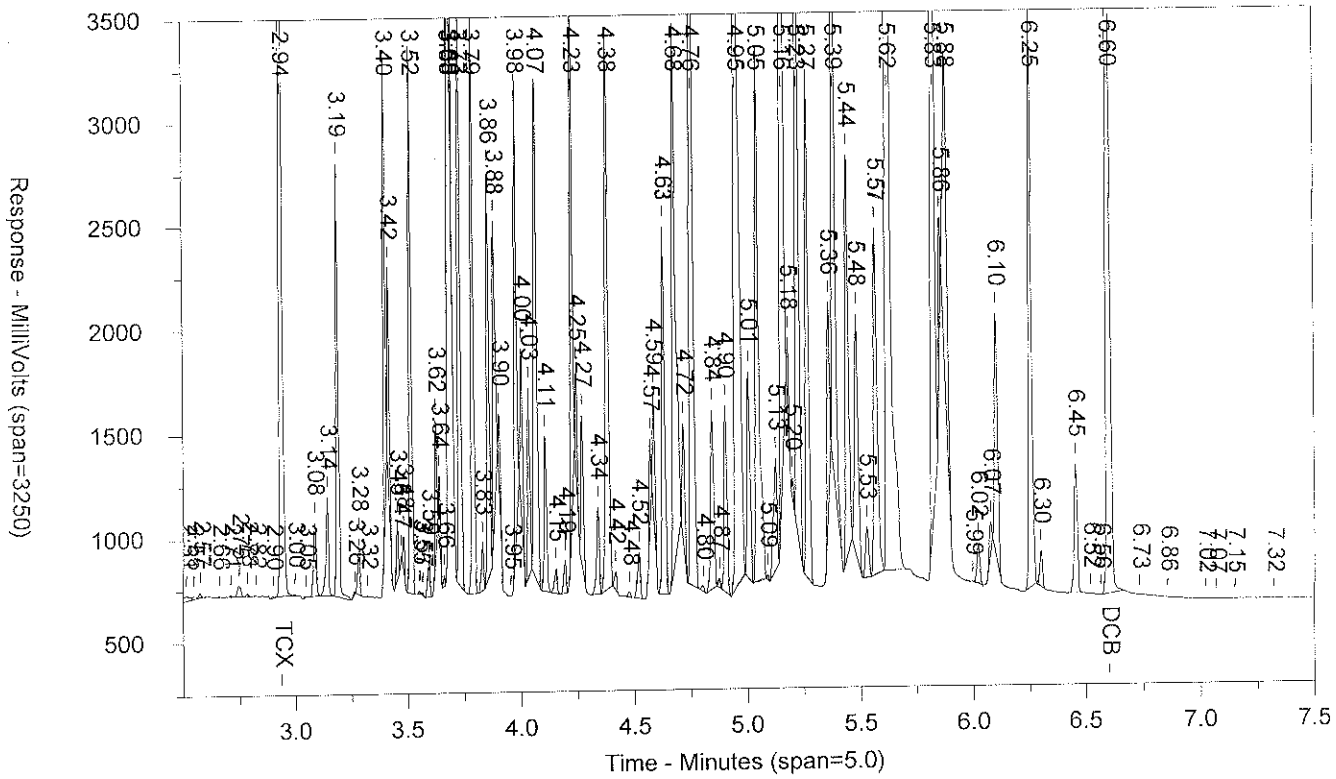

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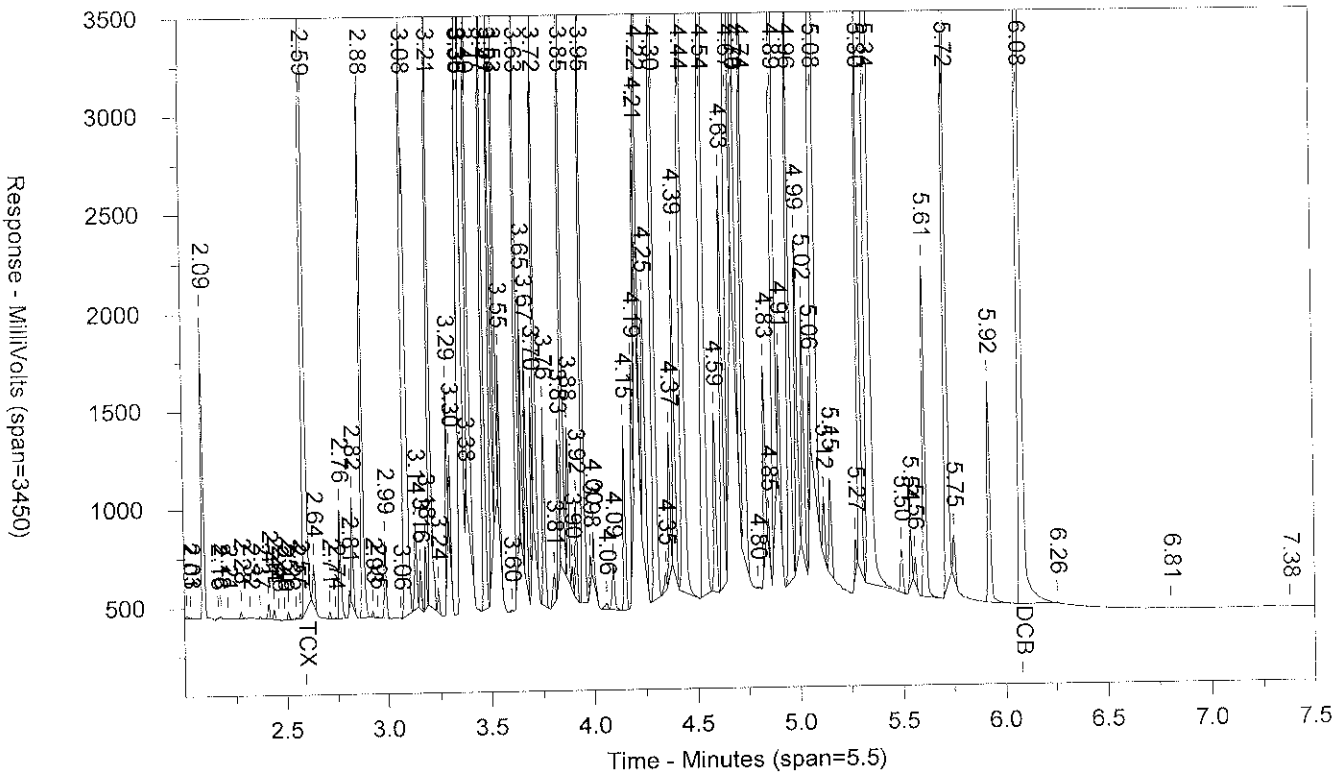

LANCASTER LABORATORIES

Sample Number: LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082
Injected On: 10/12/2017 8:00:03 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10
Dilution Factor: 10

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.936	7986280	29.134	TCX	2.592	11620330	28.033	TCX
6.6	4981872	24.689	DCB	6.083	9871870	26.078	DCB

Files:
Area File: 07PCBS17284001.0069.RAW
Area File: 07PCBS17284001B.0069.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1728401.CAL
Calibration File B: 07PCBS1728401B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/12/2017 9:28:44 AM
File Reported On: 10/12/2017 at 9:37:06 AM

LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

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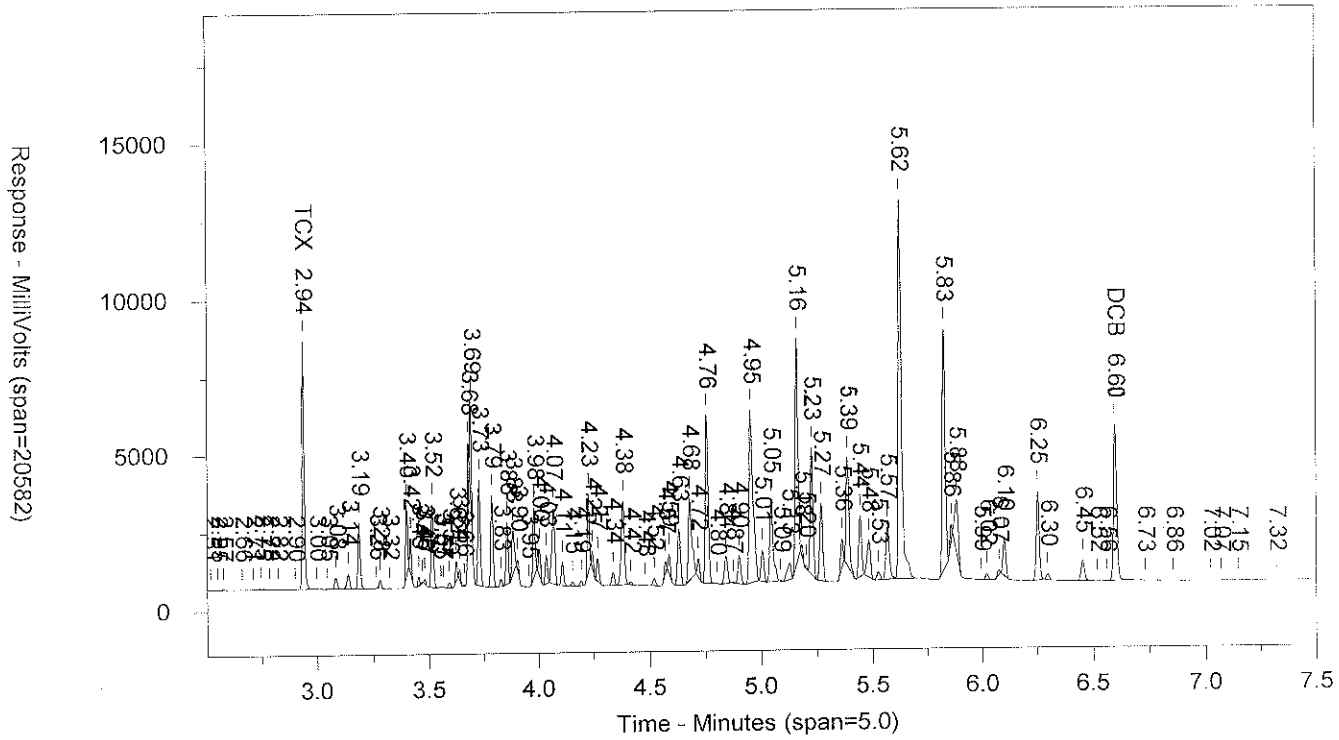

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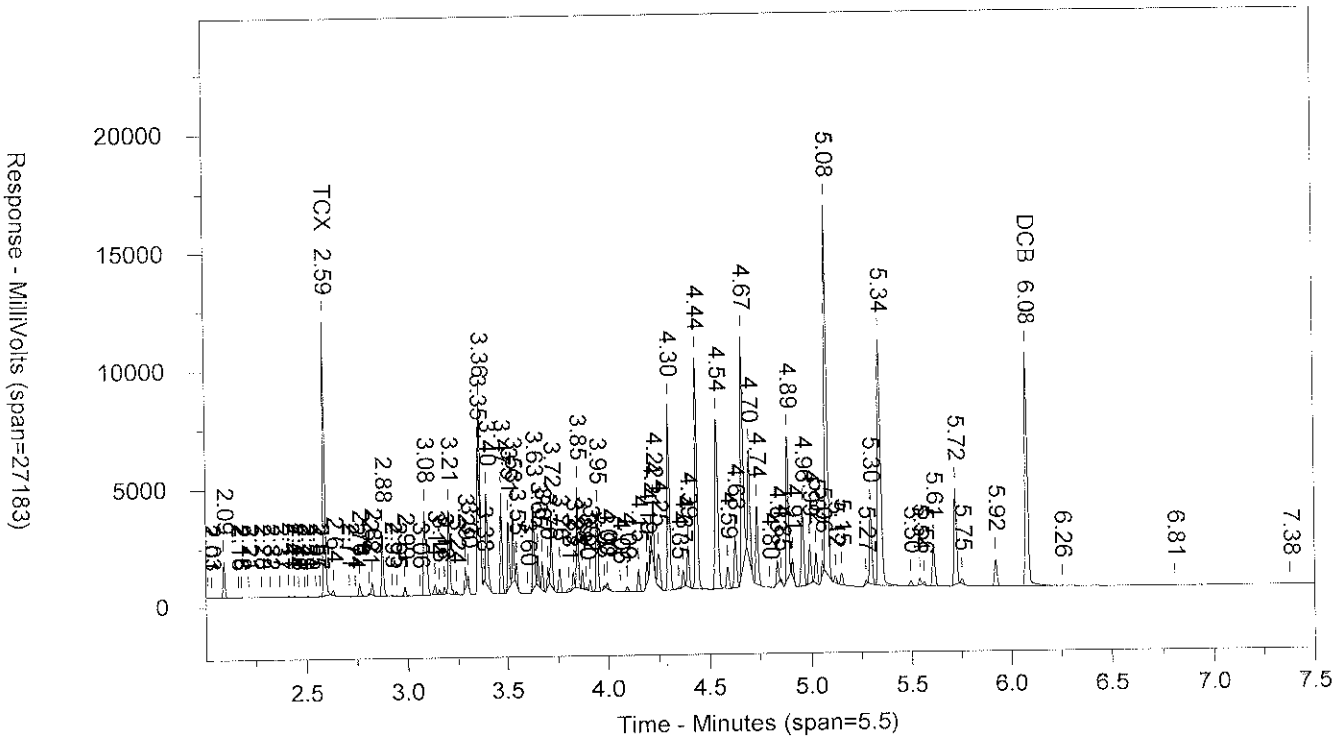

LCSA 10/9/17 ACF ABLCS27282 LCS 172820027A 10225 SW-846 8082

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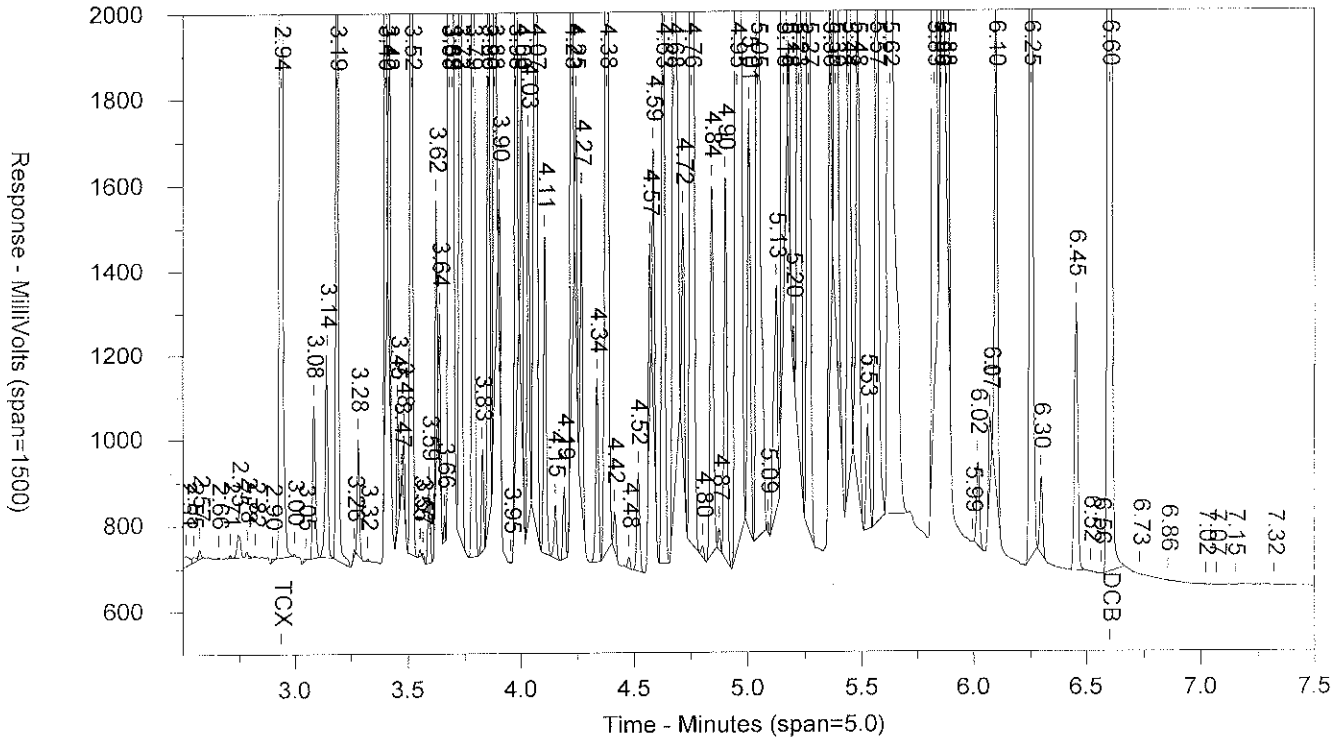

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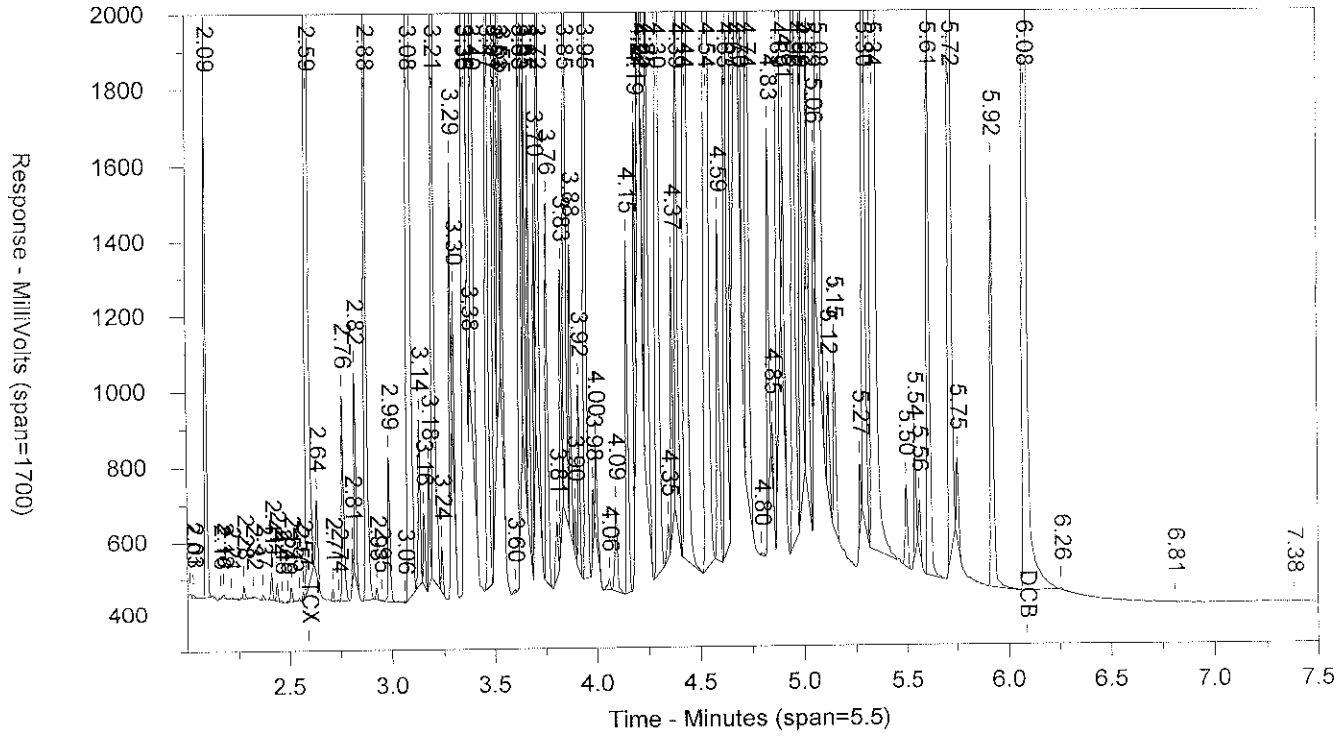

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/26/17 ACF PBLK22299 BLK Sample ID:AB **Batchnumber: 172990022A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 30, 2017 04:59:58
Instrument	18274A
Result file	25PCBS17289010.071.RAW
Calibration file	25PCBS1728901
Method file	25PCBS

%SSR(TCX) 106% (61 - 152) Conc: 32.27581

%SSR(DCB) 103% (48 - 164) Conc: 27.92438

Analysis Report (B)

Injected on	Oct 30, 2017 04:59:58
Instrument	18274B
Result file	25PCBS17289010B.071.RAW
Calibration file	25PCBS1728901B
Method file	25PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 32.45521

%SSR(DCB) 106% (48 - 164) Conc: 28.7359

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4734379	32.27581	Tetrachloro-m-xylene	2.58	2.61	2.64	8635018	32.45521
Decachlorobiphenyl	6.56	6.60	6.62	3190486	27.92438	Decachlorobiphenyl	6.07	6.10	6.13	10638910	28.7359

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	32.45521				0.55	
Tetrachloro-m-xylene-D1	A	32.27581					
Tetrachloro-m-xylene-D2	B	32.45521					
Decachlorobiphenyl	B	28.7359				2.86	
Decachlorobiphenyl-D1	A	27.92438					
Decachlorobiphenyl-D2	B	28.7359					

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 3 1 2017

Reviewed and digitally signed by Jessica L Miller on 10/30/2017 20:21:33

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/26/17 ACF PBLK22299 Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

1360 B005 PP

Analysis Report (A)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274A
Result file : 25PCBS17289010.071.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 32.27581
%SSR(DCB) : 103% (48-164) Conc.: 27.92438

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	66.17	
+ 3.16	3.18	3.20	497.9728	0.210419			1
3.16	3.20	3.20	680.2424	0.287437			1
3.37	3.40	3.41	2201.471	0.943234			2
3.70	3.72	3.74	5186.745	1.466266			4
+ 3.95	3.96	3.99	619.3379	0.274149			6
3.95	3.98	3.99	1085.899	0.480672			6
Height Summation:			**9154.3574**				
Amount Avg CF:			**0.794402**	Linear:			
Aroclor-1221					3	170.69	
3.06	3.08	3.10	433.0514	0.33269			1
3.11	3.12	3.15	61371.15	53.353938			2
+ 3.16	3.18	3.20	497.9728	0.138536			3
3.16	3.20	3.20	680.2424	0.189243			3
Height Summation:			**62484.4438**				
Amount Avg CF:			**17.958623**	Linear:			
Aroclor-1232					4	74.49	
+ 3.16	3.18	3.20	497.9728	0.175841			1
3.16	3.20	3.20	680.2424	0.240203			1
3.38	3.40	3.42	2201.471	2.05745			2
3.70	3.72	3.74	5186.745	3.070248			4
+ 3.95	3.96	3.99	619.3379	0.655747			6
3.95	3.98	3.99	1085.899	1.149736			6
Height Summation:			**9154.3574**				
Amount Avg CF:			**1.629409**	Linear:			
Aroclor-1242					4	66.60	
+ 3.16	3.18	3.20	497.9728	0.254282			1
3.16	3.20	3.20	680.2424	0.347355			1
3.38	3.40	3.42	2201.471	1.196273			2
3.70	3.72	3.74	5186.745	1.830237			4
+ 3.95	3.96	3.99	619.3379	0.342272			6
3.95	3.98	3.99	1085.899	0.600113			6
Height Summation:			**9154.3574**				
Amount Avg CF:			**0.993494**	Linear:			
Aroclor-1248					4	139.98	
3.71	3.72	3.75	5186.745	3.41143			1
+ 3.71	3.74	3.75	3856.865	2.53674			1
3.83	3.86	3.87	1294.083	0.455378			3
+ 3.96	3.96	4.00	619.3379	0.187455			4
3.96	3.98	4.00	1085.899	0.328669			4
4.22	4.26	4.26	601.9875	0.212901			6
Height Summation:			**8168.7145**				
Amount Avg CF:			**1.102095**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274B
Result file : 25PCBS17289010B.071.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 32.45521
%SSR(DCB) : 106% (48-164) Conc.: 28.7359

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.62	
2.88	2.90	2.92	1486.317	0.348425			1
+ 3.21	3.21	3.25	2597.521	0.484169			2
+ 3.21	3.22	3.25	1304.044	0.24307			2
3.21	3.24	3.25	19793.28	3.689403			2
3.40	3.41	3.44	1631.112	0.278207			3
+ 3.40	3.42	3.44	732.2603	0.124897			3
+ 3.40	3.42	3.44	1372.033	0.234018			3
+ 3.40	3.43	3.44	907.3014	0.154752			3
3.47	3.48	3.51	5463.734	0.848903			4
3.53	3.53	3.57	6555.306	1.389271			5
+ 3.53	3.56	3.57	1184.112	0.25095			5
+ 3.53	3.57	3.57	1278.79	0.271015			5
3.63	3.64	3.67	9892.441	1.742212			6
+ 3.63	3.67	3.67	2571.667	0.45291			6
Height Summation:			**44822.19**				
Amount Avg CF:			**1.382737**	Linear:			
Aroclor-1221					2	140.46	
2.83	2.83	2.87	110109.7	67.002666			2
2.88	2.90	2.92	1486.317	0.229343			3
Height Summation:			**111596.017**				
Amount Avg CF:			**33.616004**	Linear:			
Aroclor-1232					6	91.96	
2.88	2.90	2.92	1486.317	0.292536			1
+ 3.21	3.21	3.25	2597.521	1.020159			2
+ 3.21	3.22	3.25	1304.044	0.512155			2
3.21	3.24	3.25	19793.28	7.773681			2
3.40	3.41	3.44	1631.112	0.59019			3
+ 3.40	3.42	3.44	732.2603	0.264956			3
+ 3.40	3.42	3.44	1372.033	0.496446			3
+ 3.40	3.43	3.44	907.3014	0.328291			3
3.47	3.48	3.51	5463.734	1.940843			4
3.53	3.53	3.57	6555.306	3.362211			5
+ 3.53	3.56	3.57	1184.112	0.60733			5
+ 3.53	3.57	3.57	1278.79	0.65589			5
3.63	3.64	3.67	9892.441	4.140288			6
+ 3.63	3.67	3.67	2571.667	1.076321			6
Height Summation:			**44822.19**				
Amount Avg CF:			**3.016625**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/26/17 ACF PBLK22299Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274A
Result file : 25PCBS17289010.071.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**215.03**	
4.54	4.54	4.58	176915.2	48.082355			1
4.73	4.74	4.77	1557.044	0.679831			3
4.82	4.85	4.86	2431.265	0.467316			4
5.01	5.04	5.05	671.4067	0.173948			5
5.13	5.15	5.17	1064.678	0.202951			6
Height Summation:			**182639.5937**				
Amount Avg CF:			**9.92128**	Linear:			
Aroclor-1260					**5**	**56.07**	
4.73	4.74	4.77	1557.044	0.301663			1
5.13	5.15	5.17	1064.678	0.136686			3
5.36	5.38	5.40	1112.746	0.279966			4
5.60	5.61	5.64	1180.523	0.110056			5
5.80	5.82	5.84	3102.89	0.473005			6
Height Summation:			**8017.881**				
Amount Avg CF:			**0.260275**	Linear:			
Aroclor-1262					**6**	**40.25**	
5.20	5.23	5.24	1967.304	0.31239			1
5.36	5.38	5.40	1112.746	0.209775			2
5.60	5.61	5.64	1180.523	0.087357			3
5.80	5.82	5.84	3102.89	0.360024			4
+ 5.86	5.87	5.90	691.9651	0.165263			5
5.86	5.88	5.90	979.3462	0.233899			5
+ 6.23	6.24	6.27	938.2467	0.181551			6
6.23	6.25	6.27	1829.018	0.353915			6
Height Summation:			**10171.8272**				
Amount Avg CF:			**0.25956**	Linear:			
Aroclor-1268					**6**	**165.85**	
5.80	5.82	5.84	3102.89	0.203784			1
+ 5.86	5.87	5.90	691.9651	0.052423			2
5.86	5.88	5.90	979.3462	0.074196			2
5.99	6.01	6.03	23924.35	2.016575			3
6.06	6.08	6.10	25267.27	7.963748			4
+ 6.23	6.24	6.27	938.2467	0.175853			5
6.23	6.25	6.27	1829.018	0.342808			5
6.43	6.45	6.47	22973.97	0.525322			6
Height Summation:			**78076.8442**				
Amount Avg CF:			**1.854406**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274B
Result file : 25PCBS17289010B.071.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1242					**6**	**92.21**	
2.88	2.90	2.92	1486.317	0.432903			1
+ 3.21	3.22	3.25	1304.044	0.305572			2
3.21	3.24	3.25	19793.28	4.63809			2
3.40	3.41	3.44	1631.112	0.347008			3
+ 3.40	3.42	3.44	732.2603	0.155783			3
+ 3.40	3.42	3.44	1372.033	0.291891			3
+ 3.40	3.43	3.44	907.3014	0.193022			3
3.47	3.48	3.51	5463.734	1.052953			4
3.53	3.53	3.57	6555.306	1.743896			5
+ 3.53	3.56	3.57	1184.112	0.315007			5
+ 3.53	3.57	3.57	1278.79	0.340194			5
3.63	3.64	3.67	9892.441	2.150624			6
+ 3.63	3.67	3.67	2571.667	0.559082			6
Height Summation:			**44822.19**				
Amount Avg CF:			**1.727579**	Linear:			
Aroclor-1248					**6**	**47.68**	
3.40	3.41	3.44	1631.112	0.675945			1
+ 3.40	3.42	3.44	732.2603	0.303454			1
+ 3.40	3.42	3.44	1372.033	0.568581			1
+ 3.40	3.43	3.44	907.3014	0.375992			1
3.47	3.48	3.51	5463.734	1.482266			2
3.51	3.53	3.55	6555.306	1.036141			3
3.63	3.64	3.67	9892.441	1.251995			4
+ 3.63	3.67	3.67	2571.667	0.325472			4
3.72	3.73	3.76	4222.377	0.738906			5
+ 3.72	3.76	3.76	3772.822	0.660235			5
+ 3.86	3.86	3.90	1284.245	0.121244			6
3.86	3.88	3.90	2953.52	0.278839			6
+ 3.86	3.89	3.90	1217.618	0.114954			6
Height Summation:			**30718.49**				
Amount Avg CF:			**0.910682**	Linear:			
Aroclor-1254					**6**	**202.84**	
4.16	4.19	4.19	82110.48	8.993106			1
4.22	4.23	4.26	10842.28	0.677102			2
4.31	4.33	4.35	3379.14	0.452451			3
4.38	4.39	4.41	3430.747	0.332376			4
+ 4.59	4.60	4.63	996.5695	0.134049			5
4.59	4.63	4.63	463937.7	62.404634			5
4.67	4.70	4.71	5991.686	0.538159			6
Height Summation:			**569692.033**				
Amount Avg CF:			**12.232972**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 10/26/17 ACF PBLK22299Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274A
Result file : 25PCBS17289010.071.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 04:59:58
Instrument : CP25--18274B
Result file : 25PCBS17289010B.071.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**6**	**50.50**	
4.44	4.46	4.48	2722.408	0.191554			1
4.54	4.56	4.58	2283.507	0.210101			2
4.67	4.70	4.71	5991.686	0.453822			3
4.89	4.92	4.93	860.4368	0.098205			4
5.08	5.10	5.12	5876.835	0.276696			5
5.34	5.37	5.38	6427.6	0.42579			6
Height Summation:			**24162.4728**				
Amount Avg CF:			**0.276028**	Linear:			
Aroclor-1262					**4**	**131.50**	
4.70	4.73	4.74	23233.74	1.673202			1
4.89	4.92	4.93	860.4368	0.063126			2
5.09	5.10	5.13	5876.835	0.19883			3
5.35	5.37	5.39	6427.6	0.332887			5
Height Summation:			**36398.6118**				
Amount Avg CF:			**0.567011**	Linear:			
Aroclor-1268					**4**	**139.17**	
5.35	5.37	5.39	6427.6	0.181445			2
5.50	5.52	5.54	64233.18	1.988056			3
5.57	5.58	5.61	69241.47	8.513556			4
5.92	5.94	5.96	70896.5	0.502573			6
Height Summation:			**210798.75**				
Amount Avg CF:			**2.796408**	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		** 54.05	4	40	
Aroclor-1221			51	15.3		** 60.72	3	5	
Aroclor-1232			51	12.3		** 59.72	4	10	
Aroclor-1242			51	12.3		** 53.96	4	30	
Aroclor-1248			51	9.9		19.02	4	40	
Aroclor-1254			51	13.2		20.87	4	40	
Aroclor-1260			51	11.7		5.87	4	40	
Aroclor-1262			51	9.9		** 74.39	4	40	
Aroclor-1268			51	9.9		** 40.51	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 4:59:58 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: 25pcbs17289010.071.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.037		5633	6587
2.081		14496	21502
2.134		90795	61269
2.17		2135	1049
2.2		760	450
2.227		3384	2610
2.282		2018	1921
2.327		30852	22285
2.362		3008	2427
2.392		204144	138721
2.441		870	473
2.484		4938	6470
2.518		826	421
2.533		1254	912
2.619		349	757
2.646		6712	6752
2.681		1667	814
2.702		5266	3280
2.746		94291	84643
2.818		993	651
2.836		440	113
2.851		1179	731
2.871		6386	7369
2.927	TCX	4734379	3249820
2.985		2006	1099
3.047		790	638
3.081		433	596
3.123		61371	44499
3.182		498	866
3.197		680	238
3.211		935	503
3.233		2785	1622
3.254		13511	8968
3.276		1615	1223
3.319		868	326
3.343		520	340
3.368		714	501
3.401		2201	3244
3.445		808	584
3.466		2944	1451
3.48		3167	1667
3.53		3618	5758
3.588		11086	10729
3.626		1527	1041
3.653		8329	5414
3.686		5122	3712
3.717		5187	3935
3.744		3857	2278
3.76		2046	1156
3.807		3143	3282
3.855		1294	1881
3.893		1354	1540
3.926		1678	2367
3.956		619	446

RT A	Compound A	Height A	Area A
3.983		1086	862
4.014		9491	12128
4.086		1228	1105
4.123		1012	399
4.162		12331	15795
4.22		2781	1824
4.256		602	1015
4.268		2321	1479
4.345		21037	24658
4.38		1594	598
4.425		10370	12003
4.478		1254	1317
4.5		1760	1582
4.544		176915	172006
4.603		40560	39345
4.651		1584	889
4.704		2598	2410
4.743		1557	1143
4.781		2561	2641
4.816		838	250
4.848		2431	2303
4.87		3215	2391
4.922		1184	353
4.971		3946	9193
4.999		1188	340
5.011		708	330
5.042		671	171
5.077		322375	377936
5.149		1065	461
5.182		19176	19210
5.225		1967	1958
5.302		1408	2004
5.327		2366	3015
5.36		1212	911
5.381		1113	1129
5.409		573	560
5.444		1241	1155
5.458		1195	473
5.485		878	272
5.519		3523	3859
5.54		725	357
5.551		726	181
5.596		863	888
5.613		1181	494
5.656		63186	95560
5.751		827	148
5.768		1123	769
5.821		3103	3556
5.868		692	224
5.88		979	340
5.931		850	2136
5.94		692	242
5.962		1104	1078
5.971		1024	601
6.011		23924	25356
6.075		25267	28368
6.128		141880	157852
6.179		1595	1047
6.224		1107	370
6.24		938	486
6.249		1829	723
6.284		4712	4080
6.305		2811	2739
6.33		1305	508
6.373		925	1186
6.41		714	1234

RT A	Compound A	Height A	Area A
6.449		22974	25928
6.488		927	243
6.508		1589	342
6.518		1627	391
6.534		1291	271
6.597	DCB	3190486	3218991
6.665		3351	4511
6.723		1365	459
6.761		889	1645
6.777		1027	421
6.804		598	1404
6.83		1165	1050
6.849		1323	683
6.881		12677	21235
6.94		1918	1495
6.986		1491	345

LANCASTER LABORATORIES

Sample Number: BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 4:59:58 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: 25pcbs17289010B.071.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.113		360872	233217
2.181		2033	1603
2.199		2450	1374
2.228		5946	5420
2.303		9857	10183
2.362		5834	6837
2.389		9722	7030
2.431		165870	99511
2.458		37286	21649
2.496		3057	1648
2.529		1692	1756
2.55		4564	2295
2.588		11100	5609
2.612	TCX	8635018	5062893
2.703		2697	2392
2.732		3603	1971
2.763		1892	1483
2.807		2707	1367
2.83		110110	64992
2.897		1486	780
2.92		5405	3272
2.946		20227	14196
2.99		4063	3072
3.053		3230	2924
3.066		881	193
3.083		593	188
3.089		1131	230
3.107		1321	497
3.112		1348	365
3.144		6458	4093
3.157		1791	739
3.182		793	355
3.188		1035	318
3.207		2598	1605
3.22		1304	321
3.242		19793	10620
3.264		4360	2761
3.276		1019	247
3.293		770	99
3.302		742	254
3.318		11012	4833
3.329		4811	1937
3.364		8760	7037
3.389		1125	271
3.407		1631	899
3.418		732	255
3.425		1372	389
3.435		907	326
3.449		1130	241
3.453		1296	292
3.471		774	241
3.484		5464	3880
3.53		6555	5494
3.562		1184	770

RT B	Compound B	Height B	Area B
3.566		1279	293
3.577		1049	161
3.588		872	188
3.601		1521	333
3.623		839	586
3.64		9892	7989
3.669		2572	1570
3.68		5544	2556
3.716		4774	6644
3.734		4222	3278
3.759		3773	2121
3.769		1050	289
3.782		2125	1196
3.802		2092	967
3.826		7620	4981
3.857		1284	420
3.878		2954	2409
3.895		1218	491
3.94		75951	59336
3.999		14724	13979
4.044		10266	8383
4.074		4374	2835
4.091		3146	2439
4.118		2369	1794
4.147		297716	250602
4.191		82110	65332
4.231		10842	9311
4.28		1548	719
4.299		1823	1428
4.33		3379	3782
4.372		4379	3305
4.388		3431	2023
4.434		6497	7377
4.461		2722	1610
4.488		2160	2346
4.532		3047	3606
4.563		2284	1858
4.589		748	1306
4.6		997	292
4.631		463938	472575
4.697		5992	5148
4.727		23234	26566
4.814		3118	4601
4.847		3824	3806
4.886		1662	698
4.916		860	1122
4.932		2508	1128
4.958		1761	978
4.987		1765	505
5.016		1310	1862
5.034		2347	1703
5.054		5828	4661
5.079		1850	585
5.103		5877	4520
5.148		2000	2916
5.176		25256	20647
5.208		2008	697
5.238		76784	64979
5.264		18604	13694
5.366		6428	11253
5.47		2802	5536
5.516		64233	61398
5.585		69241	63135
5.638		9165	9210
5.719		164693	187634
5.769		2504	509

RT B	Compound B	Height B	Area B
5.797		3251	3103
5.874		2651	12979
5.911		2252	5982
5.938		70897	59534
5.99		2368	4800
6.022		2132	3322
6.029		2802	761
6.054		2281	3022
6.097	DCB	10638910	8766452
6.158		2084	1089
6.167		1896	649
6.247		2547	23612
6.285		5367	6536
6.305		2522	1096
6.315		2678	888
6.337		2448	1738
6.368		4489	4336
6.414		5119	5111
6.437		4142	3473
6.48		691	3064
6.504		2233	704
6.524		2914	1048
6.545		3663	817
6.552		2262	649
6.564		2076	642
6.582		3546	1885
6.628		2675	4250
6.65		1990	2621
6.676		18239	18806
6.698		3293	2168
6.71		3005	892
6.727		5948	5639
6.762		8477	11122
6.792		3083	1810
6.813		1385	464
6.825		3817	1292
6.843		2548	1475
6.856		6254	11389
6.902		4571	1088
6.984		5980	3923

BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 80

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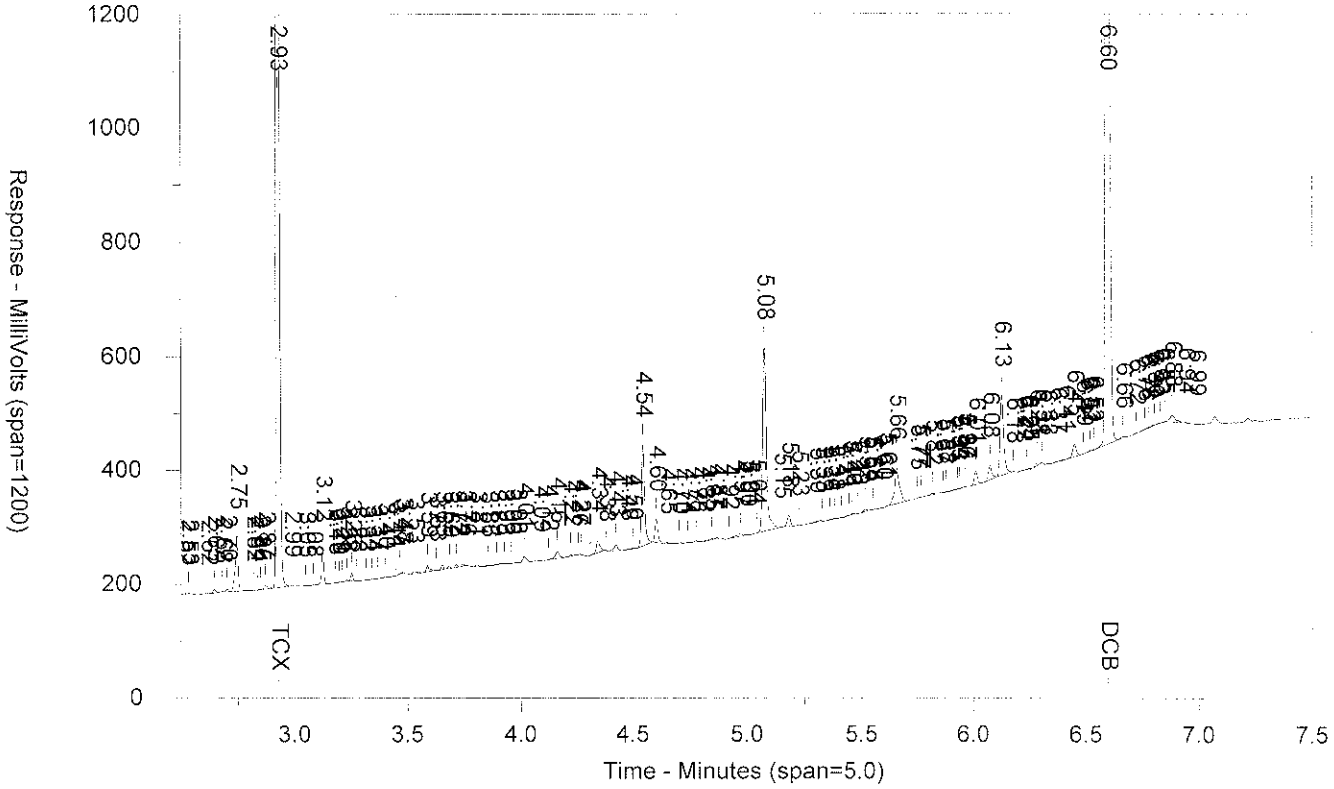

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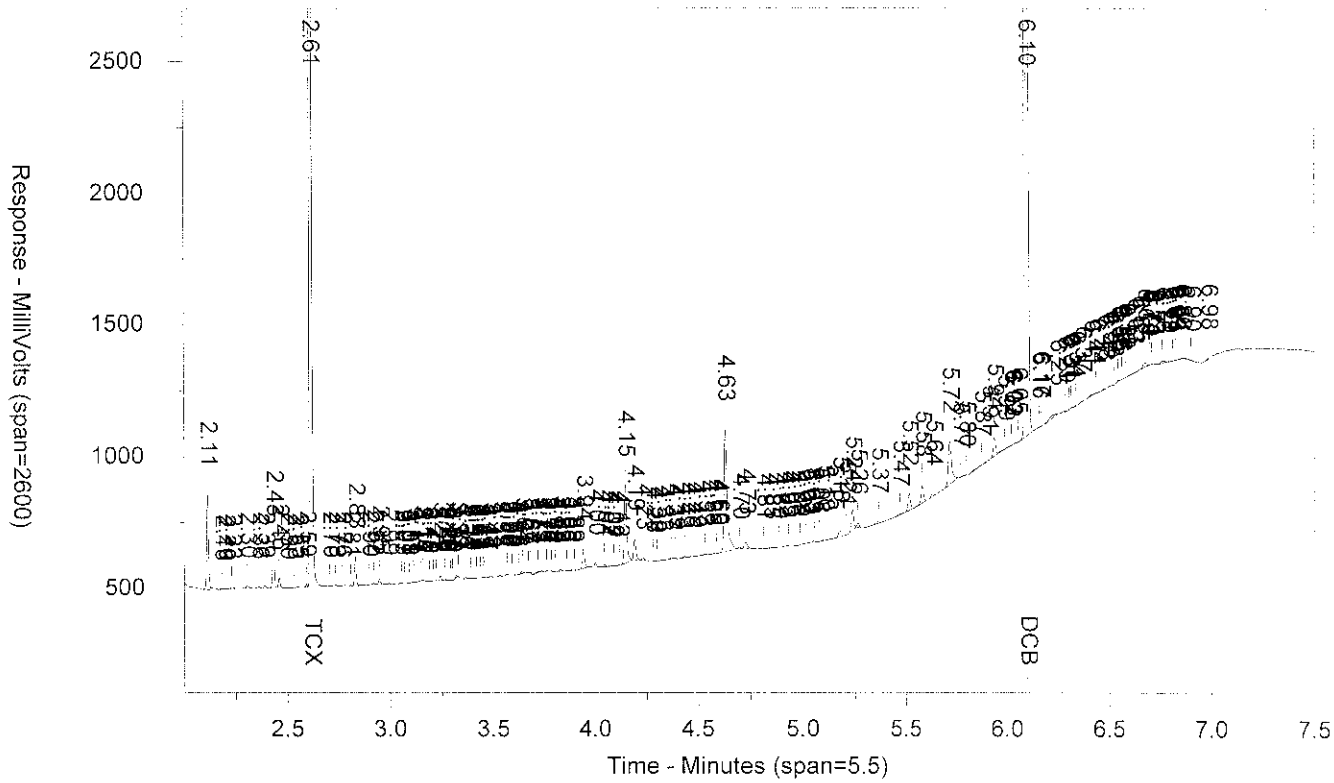

LANCASTER LABORATORIES

Sample Number: BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 4:59:58 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
2.927	4734379	32.276	TCX	2.612	8635018	32.455	TCX
6.597	3190486	27.924	DCB	6.097	10638910	28.736	DCB

Files:
Area File: 25pcbs17289010.071.RAW
Area File: 25pcbs17289010B.071.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 5:10:06 AM
File Reported On: 10/30/2017 at 5:08:42 AM

BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 80

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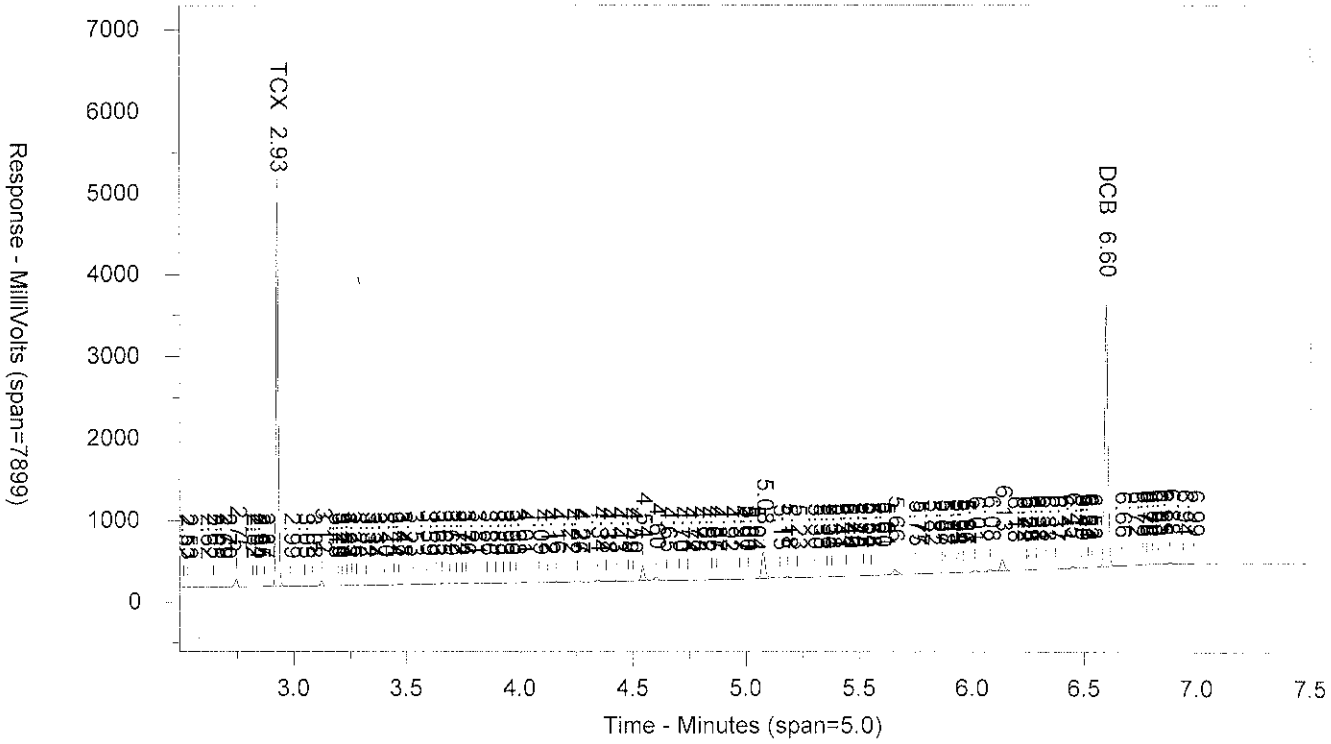

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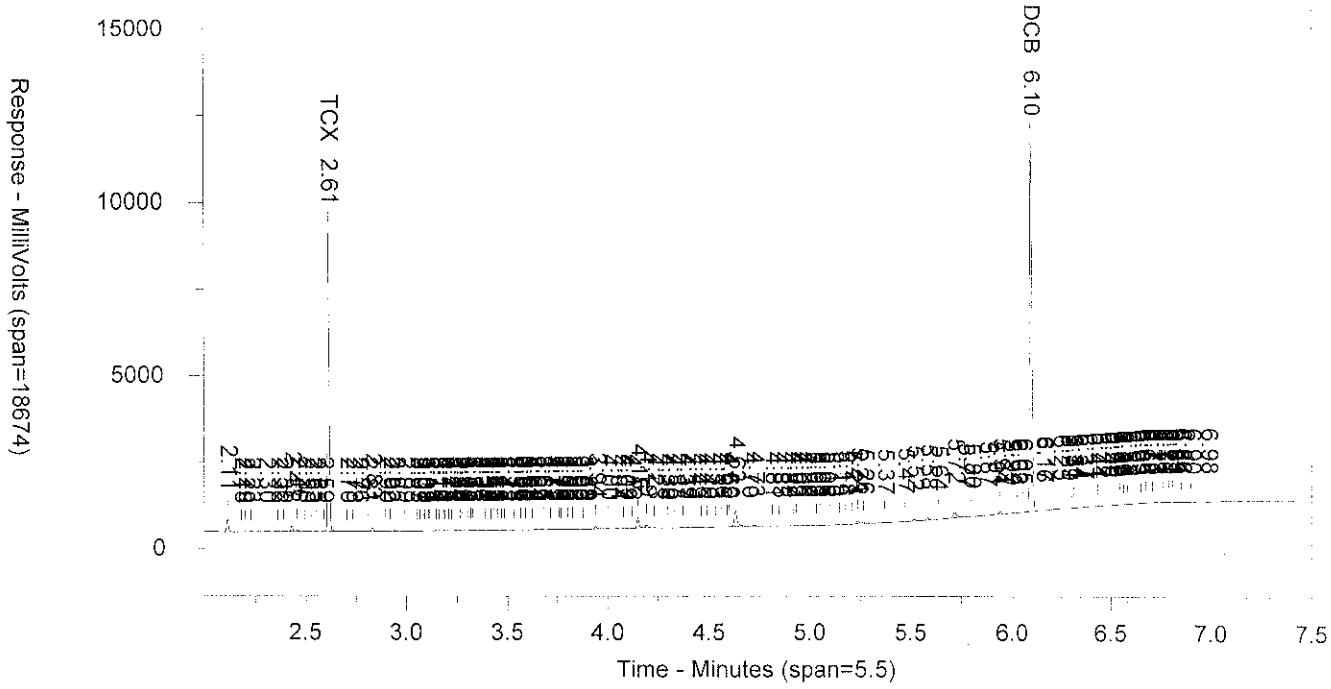

BLANKA 10/26/17 ACFABPBLK22299 BLK 172990022A 10225 SW-846 80

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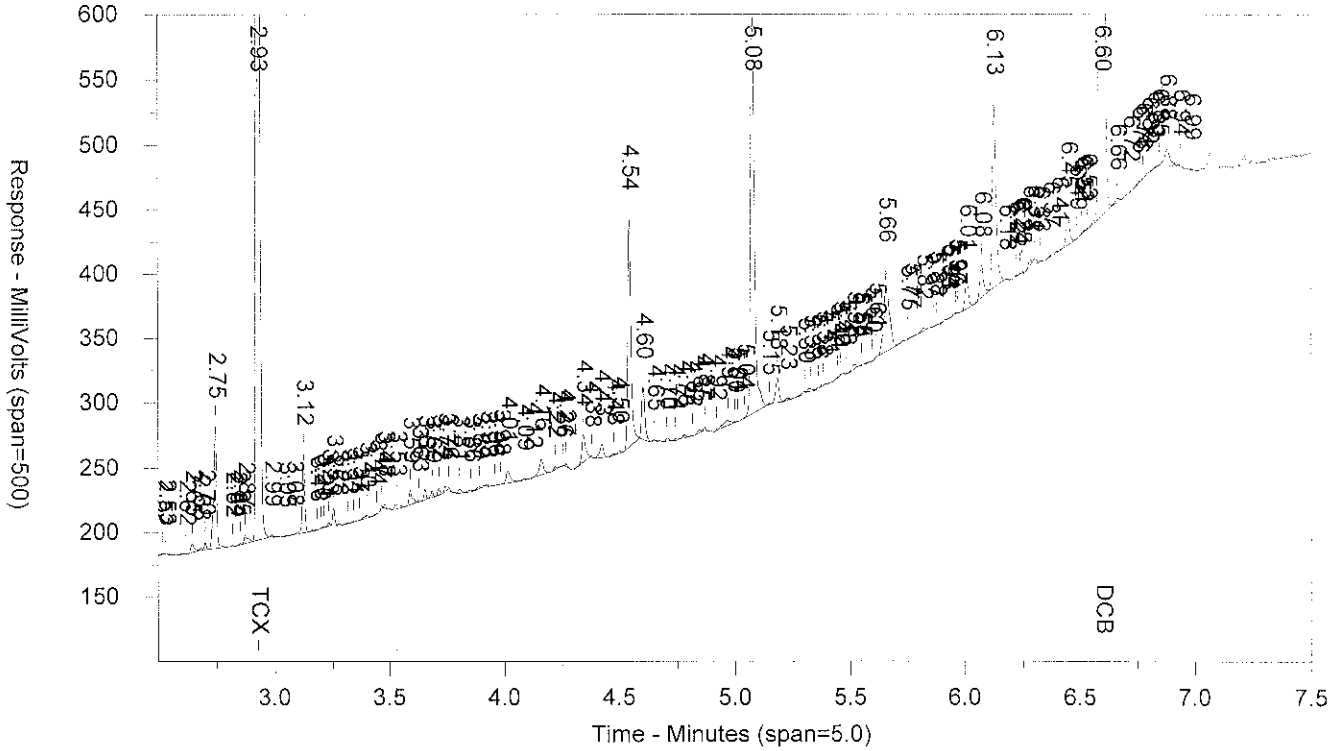

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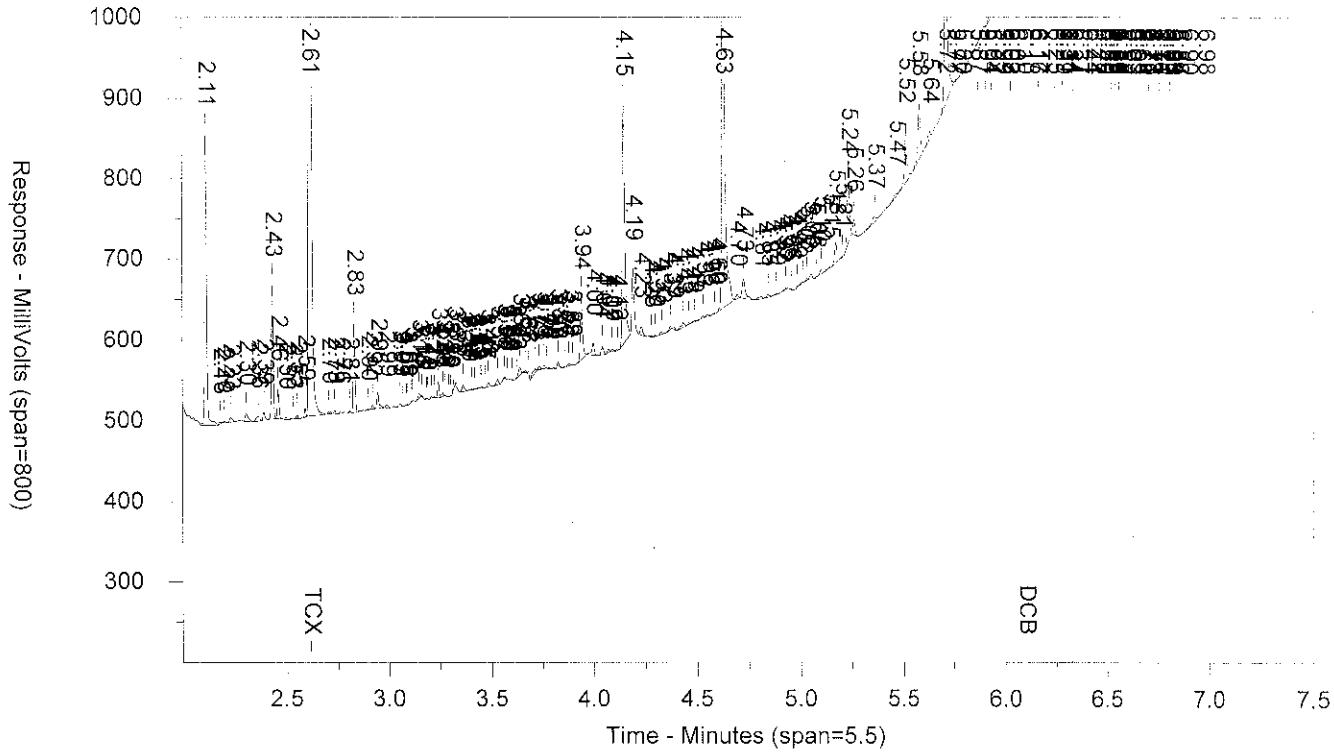

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Lancaster Laboratories Environmental

Data Summary

Sample Name: LCSA 10/26/17 ACF LCS22299 LCS Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 30, 2017 05:34:02
Instrument	18274A
Result file	25PCBS17289010.074.RAW
Calibration file	25PCBS1728901
Method file	25PCBS

%SSR(TCX) 108% (61 - 152) Conc: 32.84687
%SSR(DCB) 107% (48 - 164) Conc: 28.94691

Analysis Report (B)

Injected on	Oct 30, 2017 05:34:02
Instrument	18274B
Result file	25PCBS17289010B.074.RAW
Calibration file	25PCBS1728901B
Method file	25PCBSB

%SSR(TCX) 108% (61 - 152) Conc: 32.87823
%SSR(DCB) 108% (48 - 164) Conc: 29.3913

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.90	2.93	2.96	4818146	32.84687	Tetrachloro-m-xylene	2.58	2.61	2.64	8747568	32.87823
Decachlorobiphenyl	6.56	6.60	6.62	3307314	28.94691	Decachlorobiphenyl	6.07	6.10	6.13	10881560	29.3913

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	32.87823				0.10	
Tetrachloro-m-xylene-D1	A	32.84687					
Tetrachloro-m-xylene-D2	B	32.87823					
Decachlorobiphenyl	B	29.3913				1.52	
Decachlorobiphenyl-D1	A	28.94691					
Decachlorobiphenyl-D2	B	29.3913					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.74**	
3.16	3.18	3.20	1169888	494.336831			1
3.37	3.39	3.41	1177155	504.359494			2
3.49	3.51	3.53	1442342	502.932347			3
3.70	3.72	3.74	1840653	520.343			4
3.76	3.78	3.80	1658880	532.454893			5
3.95	3.97	3.99	1171658	518.632917			6
Height summation:			**8460576**				
Concentration		CF:	**512.17658**	L:			
Aroclor-1260						**3.23**	
4.73	4.75	4.77	2781636	538.916949			1
4.93	4.95	4.97	3400317	542.641006			2
5.13	5.15	5.17	4529780	581.542529			3
5.36	5.38	5.40	2126583	535.047205			4
5.60	5.62	5.64	5757086	536.714988			5
5.80	5.82	5.84	3548877	540.99185			6
Height summation:			**22144279**				
Concentration		CF:	**545.975755**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.73**	
2.88	2.90	2.92	2066917	484.530743			1
3.21	3.23	3.25	2742644	511.219872			2
3.40	3.42	3.44	3141816	535.877711			3
3.47	3.49	3.51	3426536	532.382354			4
3.53	3.55	3.57	2631568	557.710258			5
3.63	3.65	3.67	2995639	527.578539			6
Height summation:			**17005120**				
Concentration		CF:	**524.883246**	L:			
Aroclor-1260						**3.02**	
4.44	4.46	4.48	8312481	584.883136			1
4.54	4.56	4.58	6394735	588.367602			2
4.67	4.69	4.71	8122497	615.213809			3
4.89	4.91	4.93	4909907	560.386597			4
5.08	5.10	5.12	12573410	591.988382			5
5.34	5.36	5.38	8997408	596.024672			6
Height summation:			**49310438**				
Concentration		CF:	**589.477366**	L:			

Valerie L. Tomeyko
Principal Specialist

OCT 3 1 2017

Reviewed and digitally signed by Jessica L Miller on 10/30/2017 20:21:41

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Data Summary

Sample Name: LCSA 10/26/17 ACF LCS22299 LCS Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 30, 2017 05:34:02
Instrument	18274A
Result file	25PCBS17289010.074.RAW
Calibration file	25PCBS1728901
Method file	25PCBS

Analysis Report (B)

Injected on	Oct 30, 2017 05:34:02
Instrument	18274B
Result file	25PCBS17289010B.074.RAW
Calibration file	25PCBS1728901B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	524.883246	51	9.9		2.45	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	545.975755	51	11.7		7.66	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1070.859001	51	9.9				

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/30/2017 20:21:41

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/26/17 ACF LCS22299 Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

1260 BOS

Analysis Report (A)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274A
Result file : 25PCBS17289010.074.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**2.74**	
3.16	3.18	3.20	1169888	494.336831			1
3.37	3.39	3.41	1177155	504.359494			2
+ 3.37	3.41	3.41	546241.4	234.040577			2
3.49	3.51	3.53	1442342	502.932347			3
3.70	3.72	3.74	1840653	520.343			4
3.76	3.78	3.80	1658880	532.454893			5
3.95	3.97	3.99	1171658	518.632917			6
Height Summation:			**8460576**				
Amount Avg CF:			**512.17658**	Linear:			
Aroclor-1221					**3**	**42.49**	
3.06	3.07	3.10	174008.4	133.681092			1
E 3.11	3.13	3.15	252099.4	219.166427			2
E 3.16	3.18	3.20	1169888	325.461914			3
Height Summation:			**1595995.8**				
Amount Avg CF:			**226.103144**	Linear:			
Aroclor-1232					**6**	**29.61**	
E 3.16	3.18	3.20	1169888	413.104189			1
E 3.38	3.39	3.42	1177155	1100.14486			2
E+ 3.38	3.41	3.42	546241.4	510.505981			2
E 3.49	3.51	3.53	1442342	1084.780745			3
E 3.70	3.72	3.74	1840653	1089.558381			4
E 3.76	3.78	3.80	1658880	1155.532233			5
E 3.95	3.97	3.99	1171658	1240.536861			6
Height Summation:			**8460576**				
Amount Avg CF:			**1013.942878**	Linear:			
Aroclor-1242					**6**	**4.31**	
E 3.16	3.18	3.20	1169888	597.384533			1
E 3.38	3.39	3.42	1177155	639.66255			2
E+ 3.38	3.41	3.42	546241.4	296.825964			2
E 3.49	3.51	3.53	1442342	622.095992			3
E 3.70	3.72	3.74	1840653	649.507749			4
E 3.76	3.78	3.80	1658880	678.811687			5
E 3.95	3.97	3.99	1171658	647.507309			6
Height Summation:			**8460576**				
Amount Avg CF:			**639.161637**	Linear:			
Aroclor-1248					**6**	**74.42**	
E 3.71	3.72	3.75	1840653	1210.635835			1
E 3.76	3.78	3.80	1658880	943.519096			2
3.83	3.85	3.87	1040142	366.018188			3
3.96	3.97	4.00	1171658	354.62515			4
4.04	4.06	4.08	1277982	458.343766			5
4.22	4.24	4.26	215601.7	76.250528			6
Height Summation:			**7204916.7**				
Amount Avg CF:			**568.232094**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274B
Result file : 25PCBS17289010B.074.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**4.73**	
2.88	2.90	2.92	2066917	484.530743			1
3.21	3.23	3.25	2742644	511.219872			2
+ 3.40	3.40	3.44	137419.5	23.438689			3
3.40	3.42	3.44	3141816	535.877711			3
3.47	3.49	3.51	3426536	532.382354			4
3.53	3.55	3.57	2631568	557.710258			5
+ 3.53	3.57	3.57	801504.6	169.863495			5
3.63	3.65	3.67	2995639	527.578539			6
Height Summation:			**17005120**				
Amount Avg CF:			**524.883246**	Linear:			
Aroclor-1221					**3**	**39.90**	
2.77	2.78	2.81	372506.9	139.779439			1
+ 2.83	2.83	2.87	66905.14	40.712333			2
E 2.83	2.85	2.87	356580.1	216.98195			2
E 2.88	2.90	2.92	2066917	318.93087			3
Height Summation:			**2796004**				
Amount Avg CF:			**225.230753**	Linear:			
Aroclor-1232					**6**	**31.67**	
E 2.88	2.90	2.92	2066917	406.809153			1
E 3.21	3.23	3.25	2742644	1077.155461			2
+ 3.40	3.40	3.44	137419.5	49.722857			3
E 3.40	3.42	3.44	3141816	1136.811489			3
E 3.47	3.49	3.51	3426536	1217.18372			4
E 3.53	3.55	3.57	2631568	1349.729081			5
E+ 3.53	3.57	3.57	801504.6	411.091056			5
E 3.63	3.65	3.67	2995639	1253.766323			6
Height Summation:			**17005120**				
Amount Avg CF:			**1073.575871**	Linear:			
Aroclor-1242					**6**	**4.93**	
E 2.88	2.90	2.92	2066917	602.007354			1
E 3.21	3.23	3.25	2742644	642.674134			2
+ 3.40	3.40	3.44	137419.5	29.235081			3
E 3.40	3.42	3.44	3141816	668.400383			3
E 3.47	3.49	3.51	3426536	660.350571			4
E 3.53	3.55	3.57	2631568	700.071296			5
E+ 3.53	3.57	3.57	801504.6	213.222825			5
E 3.63	3.65	3.67	2995639	651.254185			6
Height Summation:			**17005120**				
Amount Avg CF:			**654.12632**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 10**/26/17 ACF LCS22299 Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274A
Result file : 25PCBS17289010.074.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	102.34	
+ 4.54	4.55	4.58	17486.59	4.752539			1
+ 4.54	4.56	4.58	154680.3	42.039311			1
4.54	4.58	4.58	278362.8	75.653979			1
4.61	4.62	4.64	855255.2	119.811509			2
E 4.73	4.75	4.77	2781636	1214.508789			3
4.82	4.83	4.86	482293.2	92.702086			4
5.01	5.04	5.05	1633248	423.140985			5
5.13	5.15	5.17	4529780	863.474677			6
Height Summation:			**10560575.2**				
Amount Avg CF:			**464.882004**	Linear:			
Aroclor-1260					6	3.23	
4.73	4.75	4.77	2781636	538.916949			1
4.93	4.95	4.97	3400317	542.641006			2
5.13	5.15	5.17	4529780	581.542529			3
5.36	5.38	5.40	2126583	535.047205			4
5.60	5.62	5.64	5757086	536.714988			5
5.80	5.82	5.84	3548877	540.99185			6
Height Summation:			**22144279**				
Amount Avg CF:			**545.975754**	Linear:			
Aroclor-1262					6	31.38	
E 5.20	5.22	5.24	1944132	308.710493			1
E 5.36	5.38	5.40	2126583	400.904548			2
E 5.60	5.62	5.64	5757086	426.014554			3
E 5.80	5.82	5.84	3548877	411.770706			4
5.86	5.88	5.90	671881.9	160.466775			5
E 6.23	6.25	6.27	1402121	271.310178			6
Height Summation:			**15450680.9**				
Amount Avg CF:			**329.862876**	Linear:			
Aroclor-1268					6	94.23	
E 5.80	5.82	5.84	3548877	233.074729			1
5.86	5.88	5.90	671881.9	50.901967			2
5.99	6.01	6.03	71178.8	5.999637			3
+ 6.06	6.06	6.10	52827.34	16.650142			4
6.06	6.09	6.10	541292.7	170.604853			4
E 6.23	6.25	6.27	1402121	262.795707			5
6.43	6.45	6.47	356053	8.141492			6
Height Summation:			**6591404.4**				
Amount Avg CF:			**121.919731**	Linear:			

Analysis Report (B)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274B
Result file : 25PCBS17289010B.074.RAW
Calibration file : 25PCBS1728901B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	61.66	
+ 3.40	3.40	3.44	137419.5	56.947662			1
E 3.40	3.42	3.44	3141816	1301.991903			1
3.47	3.49	3.51	3426536	929.590742			2
3.51	3.53	3.55	2393758	378.360938			3
3.63	3.65	3.67	2995639	379.130277			4
+ 3.72	3.73	3.76	685635.9	119.984687			5
3.72	3.74	3.76	2720914	476.153618			5
3.86	3.87	3.90	3717400	350.956349			6
Height Summation:			**18396063**				
Amount Avg CF:			**636.030638**	Linear:			
Aroclor-1254					6	114.04	
4.16	4.17	4.19	748381.6	81.966092			1
+ 4.22	4.22	4.26	764521.5	47.744497			2
+ 4.22	4.23	4.26	655370.6	40.928005			2
4.22	4.25	4.26	2042271	127.540171			2
4.31	4.33	4.35	6634164	888.284307			3
4.38	4.39	4.41	663850.6	64.314816			4
4.59	4.62	4.63	624017.6	83.937111			5
+ 4.59	4.63	4.63	39348.48	5.292796			5
4.67	4.69	4.71	8122497	729.543691			6
Height Summation:			**18835181.8**				
Amount Avg CF:			**329.264364**	Linear:			
Aroclor-1260					6	3.02	
4.44	4.46	4.48	8312481	584.883136			1
4.54	4.56	4.58	6394735	588.367602			2
4.67	4.69	4.71	8122497	615.213809			3
4.89	4.91	4.93	4909907	560.386597			4
5.08	5.10	5.12	12573410	591.988382			5
5.34	5.36	5.38	8997408	596.024672			6
Height Summation:			**49310438**				
Amount Avg CF:			**589.477366**	Linear:			
Aroclor-1262					6	28.41	
E 4.70	4.72	4.74	3771112	271.580526			1
E 4.89	4.91	4.93	4909907	360.214923			2
E 5.09	5.10	5.13	12573410	425.394592			3
E 5.30	5.32	5.34	2452287	213.393716			4
E 5.35	5.36	5.39	8997408	465.977728			5
E 5.72	5.74	5.76	3931095	295.160138			6
Height Summation:			**36635219**				
Amount Avg CF:			**338.62027**	Linear:			
Aroclor-1268					6	119.30	
5.30	5.32	5.34	2452287	67.904596			1
E 5.35	5.36	5.39	8997408	253.988874			2
5.50	5.52	5.54	193069.4	5.975615			3
5.57	5.59	5.61	136012.7	16.723384			4
E 5.72	5.74	5.76	3931095	253.602101			5
5.92	5.94	5.96	1106288	7.842284			6
Height Summation:			**16816160.1**				
Amount Avg CF:			**101.006142**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: LCSA 10 /26/17 ACF LCS22299 Sample ID: AB **Batchnumber: 172990022A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274A
Result file : 25PCBS17289010.074.RAW
Calibration file : 25PCBS1728901.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Oct 30, 2017 05:34:02
Instrument : CP25--18274B
Result file : 25PCBS17289010B.074.RAW
Calibration file : 25PCBS1728901B.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						2.45	4	40	
Aroclor-1221						0.39	3	5	
Aroclor-1232						5.71	4	10	
Aroclor-1242						2.31	4	30	
Aroclor-1248						11.26	4	40	
Aroclor-1254						34.15	4	40	
Aroclor-1260						7.66	4	40	
Aroclor-1262						2.62	4	40	
Aroclor-1268						18.76	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:34:02 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17289010.074.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1728901.CAL

RT A	Compound A	Height A	Area A
2.012		26189	14775
2.044		22368	21450
2.09		47714	47298
2.111		29433	16989
2.136		111224	77538
2.155		9125	3759
2.169		17356	8720
2.195		19613	17011
2.223		19879	11655
2.243		27699	19736
2.292		14043	13840
2.328		20326	17922
2.369		14130	13528
2.394		97954	74202
2.443		12733	10084
2.459		5120	2236
2.482		16000	17180
2.516		7858	4994
2.535		5867	2873
2.564		17907	12889
2.599		7326	6496
2.62		10524	8876
2.649		12657	8169
2.668		4072	1693
2.683		10183	5145
2.704		6407	3571
2.716		2611	1078
2.747		99620	78505
2.797		10227	8426
2.826		1798	1027
2.839		1263	557
2.856		2503	1486
2.873		4901	4070
2.928	TCX	4818146	3305210
2.992		2632	1269
3.011		4268	2652
3.032		2265	1110
3.075		174008	152160
3.131		252099	203860
3.179		1169888	824735
3.232		3049	1788
3.256		6459	3429
3.272		129724	87479
3.314		2341	1069
3.325		3498	3339
3.369		2343	3587
3.393		1177155	712550
3.41		546241	288658
3.447		129422	76300
3.463		9499	3302
3.474		80355	44064
3.508		1442342	1108190
3.546		7456	4209
3.559		4057	1763

RT A	Compound A	Height A	Area A
3.583		49497	36469
3.617		292818	174078
3.632		150212	76074
3.675		778768	417889
3.686		1781774	894268
3.723		1840653	1385164
3.78		1658881	1246060
3.821		107504	77126
3.849		1040142	749470
3.877		714891	582887
3.898		202601	99756
3.948		1446	734
3.972		1171658	851490
3.996		373791	243931
4.027		433067	299055
4.061		1277982	1204426
4.1		363728	296155
4.147		50904	47456
4.186		71356	53149
4.22		1140138	837210
4.238		215602	105112
4.262		316198	241157
4.333		174462	148152
4.375		1268368	1196281
4.408		33814	22540
4.449		1494	676
4.471		11372	9770
4.512		87189	78593
4.545		17487	13485
4.563		154680	96958
4.579		278363	182037
4.623		855255	738973
4.673		1169203	1278117
4.709		251305	179635
4.748		2781636	2581728
4.793		12906	9781
4.834		482293	494099
4.867		24398	14906
4.895		493252	458571
4.946		3400317	4307507
4.998		588602	533386
5.036		1633248	1674061
5.079		120960	84639
5.118		282431	312100
5.151		4529780	4777552
5.219		1944132	1766434
5.26		1223816	1149189
5.355		540020	432557
5.381		2126583	1841066
5.437		1083878	976126
5.475		611271	615470
5.518		90705	95799
5.559		715501	822385
5.616		5757086	6046122
5.708		5435	7068
5.751		909	474
5.768		2072	1819
5.82		3548877	3287628
5.851		223217	145698
5.877		671882	764073
5.92		1814	1297
5.965		2638	3048
5.99		851	445
6.012		71179	69842
6.064		52827	42585
6.091		541293	495209

RT A	Compound A	Height A	Area A
6.129		75587	77059
6.187		1324	758
6.206		1211	1254
6.246		1402121	1350570
6.292		87753	84408
6.33		1919	849
6.366		1418	1448
6.383		869	349
6.407		887	1164
6.45		356053	351374
6.538		1147	6358
6.557		1128	432
6.598	DCB	3307314	3334573
6.651		1103	379
6.666		2509	2713
6.691		361	226
6.698		1171	304
6.725		736	755
6.766		5718	9547
6.832		1425	1336
6.843		780	294
6.861		1023	904
6.883		10698	13387
6.946		2280	1165
6.963		946	343
6.993		747	173

LANCASTER LABORATORIES

Sample Number: LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:34:02 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17289010B.074.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1728901b.CAL

RT B	Compound B	Height B	Area B
2.007		19393	9887
2.032		47161	32767
2.081		11409	5878
2.114		169861	113606
2.141		23351	11740
2.159		15952	8952
2.184		42679	29241
2.202		13182	10435
2.235		30693	19283
2.254		2554	1288
2.272		4137	1914
2.31		25490	35304
2.35		14332	16943
2.369		12641	7629
2.398		14632	10197
2.414		4050	1650
2.432		152123	87323
2.46		53687	31275
2.485		6601	3641
2.498		14939	12425
2.553		13960	24826
2.569		8232	3418
2.592		7259	4599
2.614	TCX	8747568	5081342
2.657		162634	123315
2.692		5631	2561
2.709		7720	5399
2.733		6490	3936
2.754		3385	1153
2.784		372507	236079
2.831		66905	29638
2.846		356580	190772
2.897		2066917	1277538
2.948		35693	32139
2.984		2242	2440
3.008		249155	151709
3.053		3801	1840
3.064		1559	491
3.072		768	95
3.081		2898	899
3.105		1878857	863073
3.115		593941	239085
3.156		313922	190414
3.176		131617	71692
3.202		210765	115809
3.226		2742645	1764723
3.262		82617	53120
3.309		719301	375809
3.324		406063	193449
3.347		4335	2799
3.374		1753728	791168
3.384		3808224	1588144
3.404		137420	45684
3.418		3141816	2042192

RT B	Compound B	Height B	Area B
3.492		3426536	2094778
3.527		2393758	1428124
3.55		2631568	1398133
3.568		801505	413530
3.653		2995639	1912580
3.676		1107523	589377
3.697		1054815	596496
3.725		685636	343908
3.743		2720915	1546793
3.783		869178	600825
3.831		116308	92868
3.853		661770	396872
3.875		3717400	2286022
3.9		702994	414606
3.919		103836	49059
3.939		433758	278027
3.973		2936244	1970809
4.007		114321	69089
4.022		203626	124479
4.084		22383	18407
4.117		183367	138844
4.148		149183	100542
4.174		748382	524540
4.216		764522	440432
4.235		655371	348589
4.248		2042271	1101933
4.273		1198550	1149053
4.325		6634164	4937026
4.372		79020	61128
4.395		663851	431382
4.419		1417194	1028760
4.461		8312481	6211142
4.564		6394735	5980916
4.616		624018	448832
4.632		39348	12550
4.654		1626498	1309061
4.691		8122497	6771507
4.722		3771112	2517549
4.76		2678764	2037535
4.829		10063	12018
4.859		762017	532272
4.877		101458	53147
4.91		4909907	3700775
4.934		687742	425710
4.984		2492648	2076838
5.019		1270603	976695
5.049		907360	729537
5.082		465755	271576
5.104		12573410	9829424
5.145		236396	177665
5.176		370547	302029
5.24		53398	47021
5.265		6155	2964
5.295		118708	75586
5.318		2452287	1905587
5.363		8997408	9053727
5.451		2300	1934
5.484		3188	5167
5.518		193069	177335
5.563		257343	181805
5.586		136013	94758
5.635		1531923	1266109
5.665		5298	3739
5.741		3931095	3267404
5.773		223061	169133
5.836		4354	8186

RT B	Compound B	Height B	Area B
5.884		1426	3960
5.902		3334	2352
5.916		2796	767
5.94		1106288	889346
5.982		1714	2768
6.039		23309	54275
6.098	DCB	10881560	9118962
6.163		3058	1623
6.233		10139	21770
6.258		2667	1184
6.278		15617	19045
6.322		6488	14552
6.355		2703	993
6.364		2622	697
6.373		3231	905
6.413		2090	1560
6.438		3865	3368
6.492		1578	3280
6.504		11909	12934
6.596		3727	55901
6.61		8396	3399
6.623		3182	1394
6.641		2768	586
6.677		12931	16864
6.724		18370	25206
6.775		6350	19598
6.796		3418	1927
6.808		2839	663
6.822		3926	1423
6.841		2969	2195
6.867		2198	2135
6.879		4870	3480
6.934		4750	12159
6.998		746	12096

LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082

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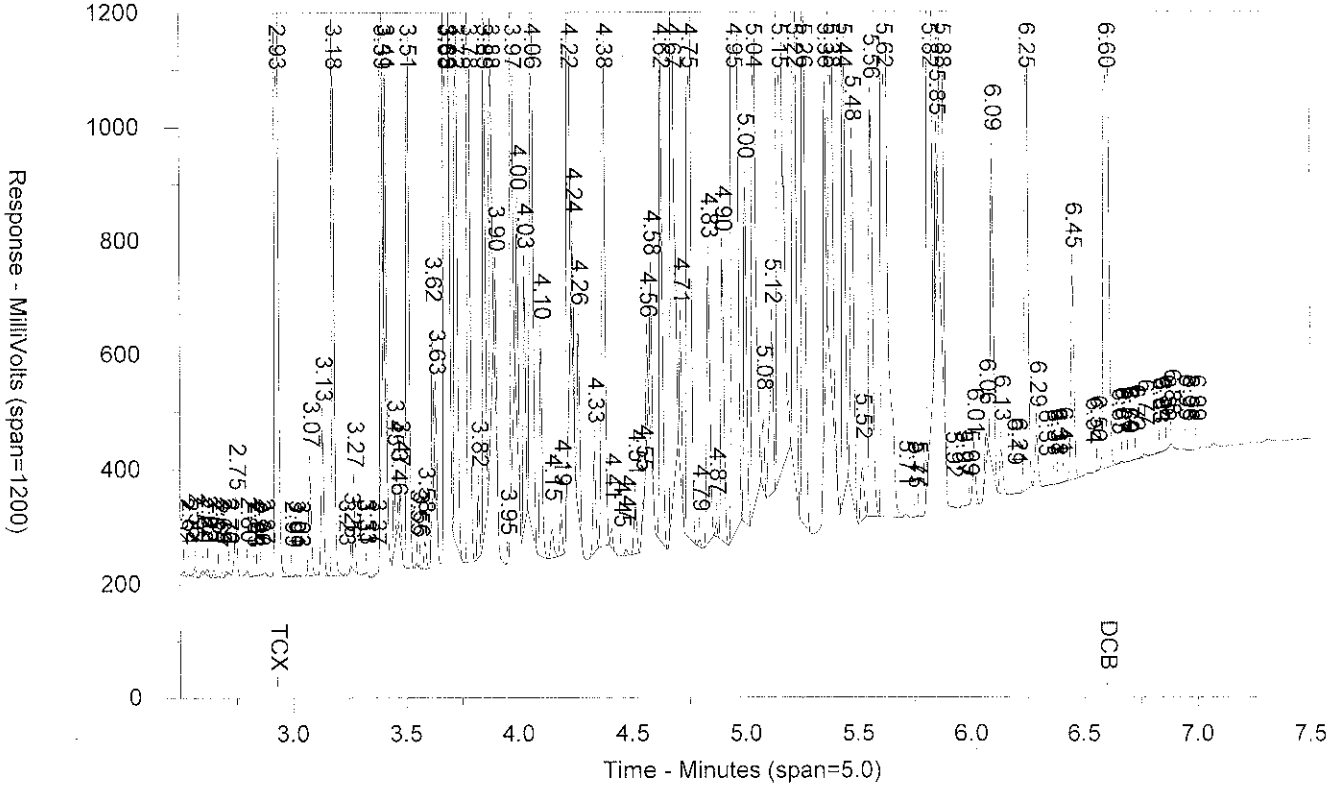

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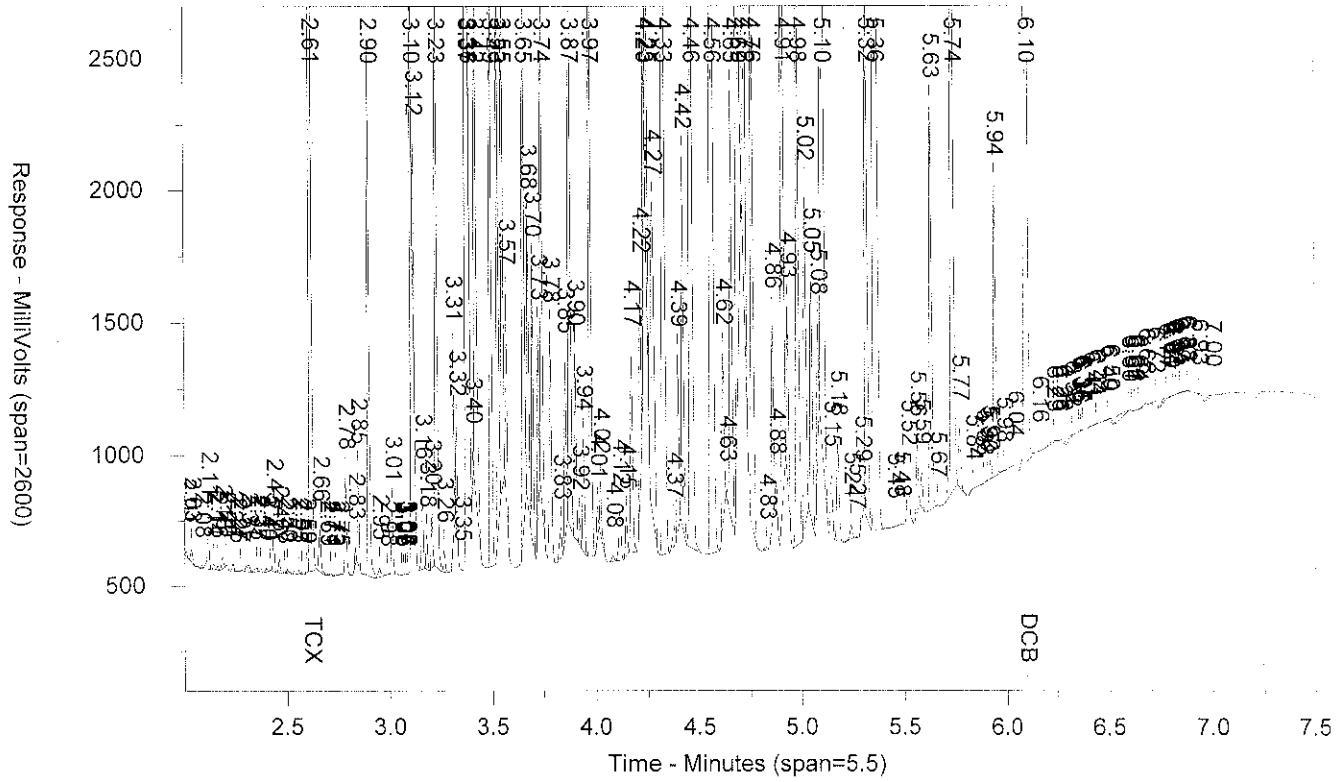

LANCASTER LABORATORIES

Sample Number: LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082
Injected On: 10/30/2017 5:34:02 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
2.928	4818146	32.847	TCX	2.614	8747568	32.878	TCX
6.598	3307314	28.947	DCB	6.098	10881560	29.391	DCB

Files:
Area File: 25pcbs17289010.074.RAW
Area File: 25pcbs17289010B.074.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1728901.CAL
Calibration File B: 25PCBS1728901b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 10/30/2017 5:42:35 AM
File Reported On: 10/30/2017 at 5:42:48 AM

LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082

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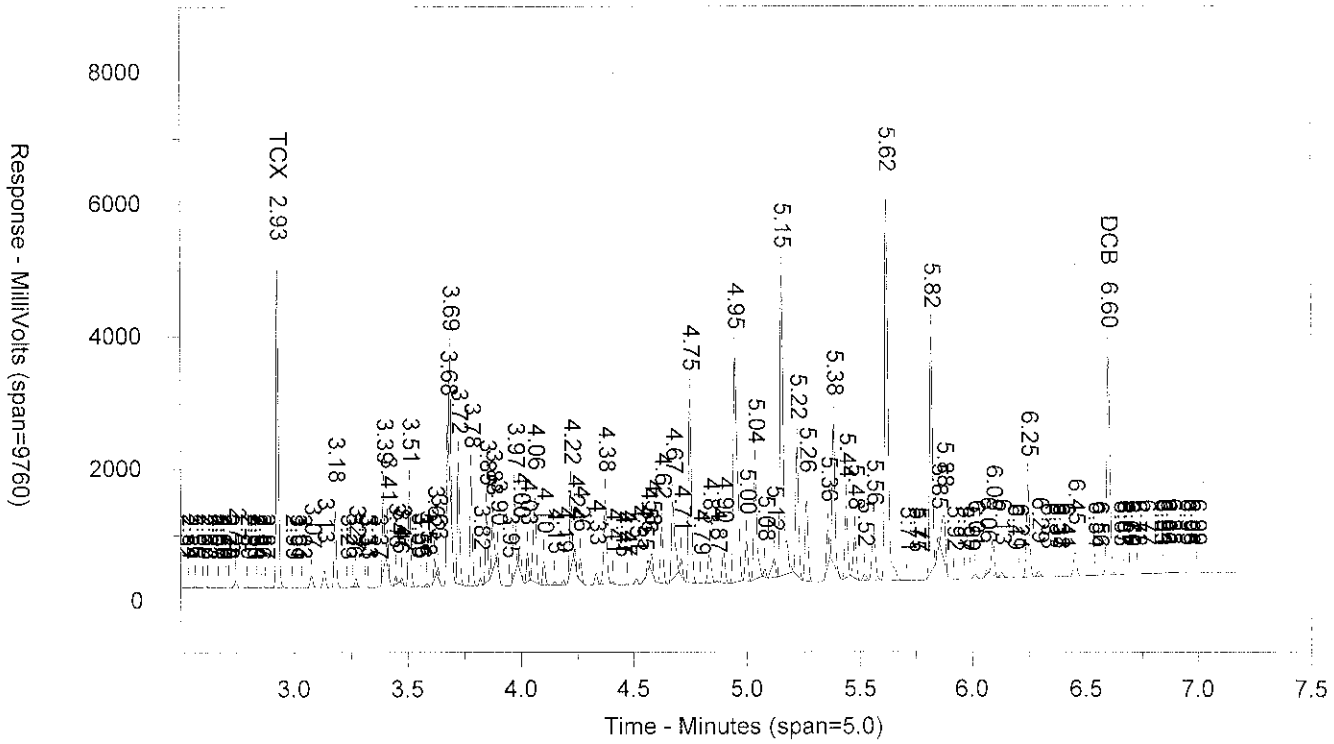

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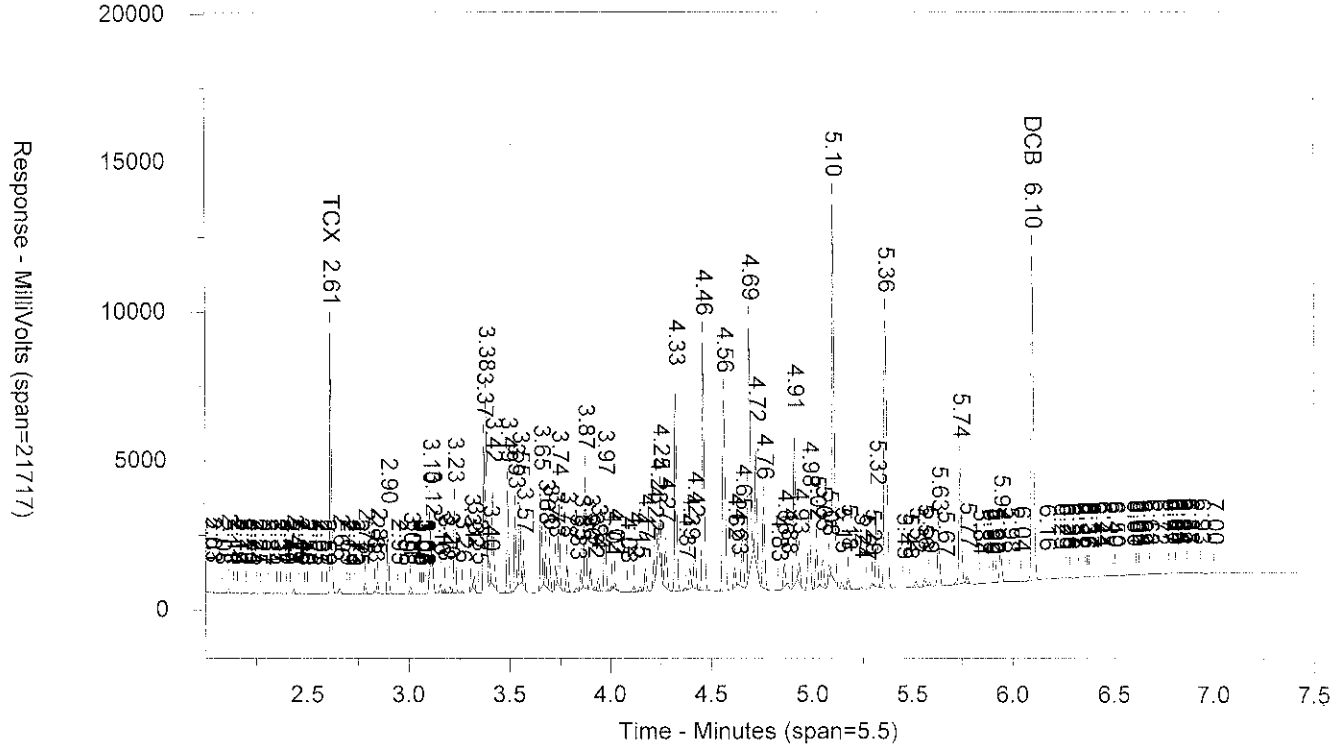

LCSA 10/26/17 ACF ABLCS22299 LCS 172990022A 10225 SW-846 8082

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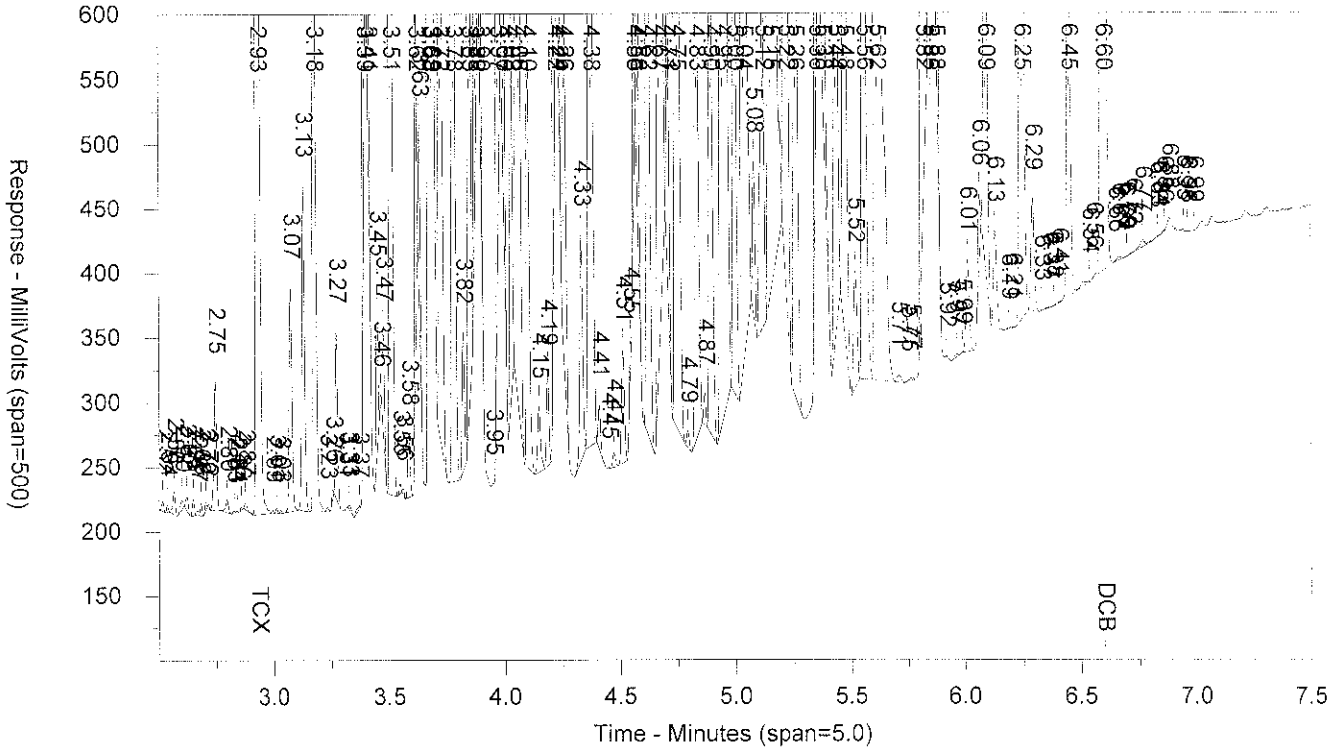

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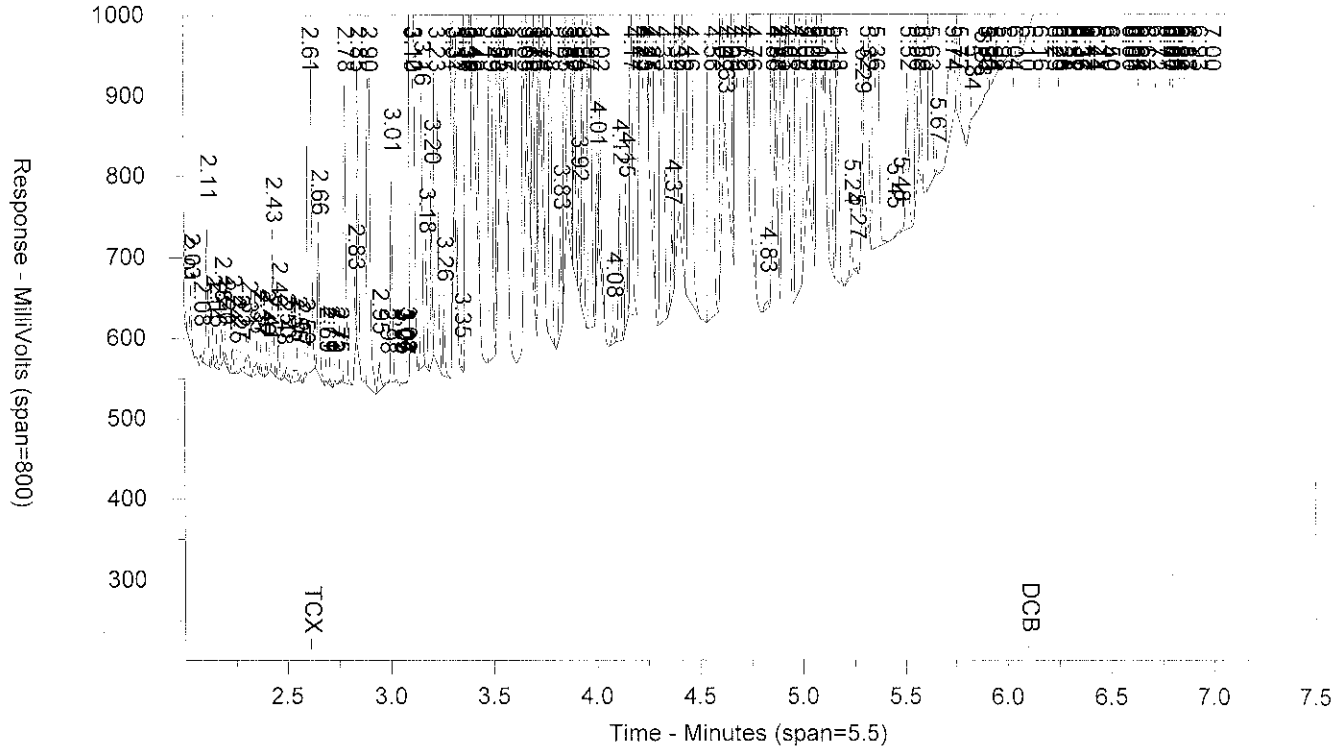

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 24470 Elizabeth Donovan Reviewed by: Jim2855 Start Date: Oct 7, 2017 Start time: 13:00

172790013A

Tech 1: E824470 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
9229423MS	97A12	10.16	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	Soil, Brown
9229424MSD	97A12	10.35	SS1726124A		MS1726824A	1.0	10	Z	Z	314A	Soil, Brown
BLANKA	PBLK13279	10.0	SS1726124A				10	Z	Z		Na2SO4
LCSA	LCS13279	10.0	SS1726124A		MS1726824A	1.0	10	Z	Z		Na2SO4

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185096017A
Filter Paper	9823853
Hexane	173906
Sodium Sulfate	12277A

Spike Solutions: Witness:
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 9229422BKG	97A12	10.42	SS1726124A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Black;Brown	10225	1869	10/06/2017	N
2 9229425	97A13	10.25	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
3 9229426	97A14	10.2	SS1726124A		10	Z	Z	034a	Soil, Rocks, Brown	10225	1869	10/06/2017	N
4 9229427	97A15	10.15	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
5 9229428	97A16	10.08	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
6 9229429	97A17	10.02	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
7 9229430	97A18	10.08	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
8 9229450	98A01	10.05	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
9 9229451	98A02	10.12	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
10 9229452	98A03	10.40	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Black	10225	1869	10/06/2017	N
11 9229453	98A04	10.49	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
12 9229454	98A05	10.03	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black;Brown	10225	1869	10/06/2017	N
13 9229455	98A06	10.10	SS1726124A		10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	10/06/2017	N
14 9229456	98A07	10.03	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black	10225	1869	10/06/2017	N
15 9229457	98A08	10.25	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
16 9229458	98A09	10.13	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	10/06/2017	N
17 9229459	98A10	10.13	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Brown	10225	1869	10/06/2017	N
18 9229460	98A11	10.01	SS1726124A		10	Z	Z	314a	Soil;Brown	10225	1869	10/06/2017	N
19 9229461	98A12	10.07	SS1726124A		10	Z	Z	314A	Soil;Sandy;Black	10225	1869	10/06/2017	N

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood: 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	99 C	S-bath ID	C	N-Evap	C	M-vap	C

172790013A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
20 S229462	98A13	10.14	SS1726124A	10	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N

NA 082470
10/17/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood:320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	99 C	S-bath ID	C	N-Evap	C	M-vap	C

172790013A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172790013A

Verified: [illegible]
Start Date: Oct 7, 2017
Start Time: 17:10
Tech 1: E024470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229423MS		10	10			
9229424MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229422		10	10				10225
2	9229425							10225
3	9229426							10225
4	9229427							10225
5	9229428							10225
6	9229429							10225
7	9229430							10225
8	9229450							10225
9	9229451							10225
10	9229452							10225
11	9229453							10225
12	9229454							10225
13	9229455							10225
14	9229456							10225
15	9229457							10225
16	9229458							10225
17	9229459							10225
18	9229460							10225
19	9229461							10225
20	9229462							10225

NA: E024470
10/7/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch No: 172790013A

Verified: JLM 2815
Start Date: Oct 7, 2017
Start Time: 17:30
Tech 1: CD 24470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229423MS		2	2			
9229424MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229422		2	2				10225
2	9229425							10225
3	9229426							10225
4	9229427							10225
5	9229428							10225
6	9229429							10225
7	9229430							10225
8	9229450							10225
9	9229451							10225
10	9229452							10225
11	9229453							10225
12	9229454							10225
13	9229455							10225
14	9229456							10225
15	9229457							10225
16	9229458							10225
17	9229459							10225
18	9229460							10225
19	9229461							10225
20	9229462							10225

NA CD 24470
10/7/17

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	414011-CE
		Copper	171100-BO

Organic Extraction Batchlog Assigned to: 24470 Elizabeth Donovan Reviewed by: [illegible] Start Date: October 9, 2017 Start time: 16:30

172820027A

Tech 1: E24470 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
9229466MS	98A16	10.15	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	Soil, Black, Brown
9229467MSD	98A16	10.05	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z	314A	Soil, Black, Brown
BLANKA	PBLK27282	10.0	SS1726124A	1.0			10	Z	Z		Na_2SO_4
LCSA	LCS27282	10.0	SS1726124A	1.0	MS1726824A	1.0	10	Z	Z		Na_2SO_4

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185091017A
Filter Paper	9823853
Hexane	173906
Sodium Sulfate	172754

Spike Solutions: Witness:
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 9229463	98A14	10.26	SS1726124A	1.0	10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
2 9229464	98A15	10.05	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Black;Brown	10225	1869	10/06/2017	N
3 9229465BKG	98A16	10.10	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/06/2017	N
4 9229468	98A17	10.12	SS1726124A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
5 9229469	98A18	10.49	SS1726124A		10	Z	Z	314A	Soil;Brown	10225	1869	10/06/2017	N
6 9229470	99A01	10.23	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
7 9229471	99A02	10.07	SS1726124A		10	Z	Z	314A	Soil;Gritty;Sandy;Brown	10225	1869	10/06/2017	N
8 9229472	99A03	10.04	SS1726124A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	10/06/2017	N
9 9229473	99A04	10.03	SS1726124A		10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/06/2017	N
10 9229474	99A05	10.00	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
11 9229475	99A06	10.26	SS1726124A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Brown	10225	1869	10/06/2017	N
12 9229476	99A07	10.19	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N
13 9229477	99A08	10.08	SS1726124A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	10/06/2017	N

NA E24470 10/9/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood: 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C

172820027A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172820027A

Verified: [illegible]
Start Date: 10/9/17
Start Time: 19:45
Tech 1: EQ24470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229466MS		10	10			
9229467MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229463		10	10				10225
2	9229464		↓	↓				10225
3	9229465		↓	↓				10225
4	9229468		↓	↓				10225
5	9229469		↓	↓				10225
6	9229470		↓	↓				10225
7	9229471		↓	↓				10225
8	9229472		↓	↓				10225
9	9229473		↓	↓				10225
10	9229474		↓	↓				10225
11	9229475		↓	↓				10225
12	9229476		↓	↓				10225
13	9229477		↓	↓				10225

NA EQ24470
10/9/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch No: 172820027A

Verified: [illegible]
Start Date: 10/9/17
Start Time: 20:00
Tech 1: 602470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229466MS		2	2			
9229467MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229463		2	2				10225
2	9229464		↓	↓				10225
3	9229465		↓	↓				10225
4	9229468		↓	↓				10225
5	9229469		↓	↓				10225
6	9229470		↓	↓				10225
7	9229471		↓	↓				10225
8	9229472		↓	↓				10225
9	9229473		↓	↓				10225
10	9229474		↓	↓				10225
11	9229475		↓	↓				10225
12	9229476		↓	↓				10225
13	9229477		↓	↓				10225

NA 602470
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

Organic Extraction Batchlog Assigned to: 24470 Elizabeth Donovan Reviewed by: WTO47 Start Date: October 26, 2017 Start time: 16:30

172990022A

Tech 1: E02470 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
9229510MS	01A17	10.1	SS1728524A	1.0	MS1728524A	1.0	10	Z	Z	34a	Soil; Rocks; Black
9229511MSD	01A17	10.2	SS1728524A	1.0	MS1728524A	1.0	10	Z	Z	34a	Soil; Rocks; Black
BLANKA	PBLK22299	10.0	SS1728524A	1.0	—	—	10	Z	Z	/	Na_2SO_4
LCSA	LCS22299	10.0	SS1728524A	1.0	MS1728524A	1.0	10	Z	Z	/	Na_2SO_4

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185092417A
Filter Paper	9804332
Hexane	175332
Sodium Sulfate	17292A

Spike Solutions: Witness:
MS1728524A PCB SPIKE
SS1728524A SW846 SURROGATE STANDARD

Sample #		Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9229453	R	98A04	10.3	SS1728524A	1.0	10	Z	Z	34a	Soil; Rocks; Brown	10225	1869	10/12/2017	N
2 9229495	R	01A03	10.0	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
3 9229496	R	01A04	10.2	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
4 9229497	R	01A05	10.3	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
5 9229498	R	01A06	10.1	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
6 9229499	R	01A07	10.2	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
7 9229500	R	01A08	10.1	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
8 9229501	R	01A09	10.1	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N
9 9229502	R	01A10	10.5	SS1728524A	↓	10	Z	Z	34a	Soil; Brown; Orange	10225	1869	10/16/2017	N
10 9229503	R	01A11	10.0	SS1728524A	↓	10	Z	Z	34a	Soil; Rocks; Brown	10225	1869	10/16/2017	N
11 9229504	R	01A12	10.0	SS1728524A	↓	10	Z	Z	34a	Soil; Rocks; Brown	10225	1869	10/16/2017	N
12 9229509BKG	R	01A17	10.0	SS1728524A	↓	10	Z	Z	34a	Soil; Rocks; Black	10225	1869	10/16/2017	N
13 9229512	R	01A18	10.2	SS1728524A	↓	10	Z	Z	34a	↓	10225	1869	10/16/2017	N

NA E02470
10/26/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Hood: 320	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 6	98 C	S-bath ID	C	N-Evap	C	M-vap	C

172990022A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172990022A

Verified: NTOU7
Start Date: 10/26/17
Start Time: 19:30
Tech 1: EQ24420
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229510MS		10	10			
9229511MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229453		10	10				10225
2	9229495		↓	↓				10225
3	9229496		↓	↓				10225
4	9229497		↓	↓				10225
5	9229498		↓	↓				10225
6	9229499		↓	↓				10225
7	9229500		↓	↓				10225
8	9229501		↓	↓				10225
9	9229502		↓	↓				10225
10	9229503		↓	↓				10225
11	9229504		↓	↓				10225
12	9229509		↓	↓				10225
13	9229512		↓	↓				10225

NA EQ24420
10/26/17

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174031

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172990022A

Verified: NT047
Start Date: 10/26/17
Start Time: 20:00
Tech 1: E824470
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229510MS		2	2			
9229511MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229453		2	2				10225
2	9229495							10225
3	9229496							10225
4	9229497							10225
5	9229498							10225
6	9229499							10225
7	9229500							10225
8	9229501							10225
9	9229502							10225
10	9229503							10225
11	9229504							10225
12	9229509							10225
13	9229512							10225

NA E824470
10/26/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	611060-CG
		Copper	711080-BD

Moisture Data

eurofins | Lancaster Laboratories Environmental

CLIENT: **Stantec**
SDG: ATG98

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9229450	98A01
9229451	98A02
9229452	98A03
9229453	98A04
9229454	98A05
9229455	98A06
9229456	98A07
9229457	98A08
9229458	98A09
9229459	98A10
9229460	98A11
9229461	98A12
9229462	98A13
9229463	98A14
9229464	98A15
9229465	98A16BKG
9229466	98A16MS
9229467	98A16MSD
9229468	98A17FD
9229469	98A18

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: 17276820004A	Sample number(s): 9229450-9229452, 9229454-9229457				
Moisture	100		99-101		
Batch number: 17276820004B	Sample number(s): 9229458-9229469				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		
Batch number: 17277820009A	Sample number(s): 9229453				
Moisture	99		99-101		

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATG98

MOISTURE

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 17276820004A	Sample number(s): 9229450-9229452, 9229454-9229457			
Moisture	9.1	10.8	17*	5
Batch number: 17276820004B	Sample number(s): 9229458-9229469			
Moisture	5.5	5.6	2	5
Moisture	5.5	5.6	2	5
Moisture Duplicate	5.5	5.6	2	5
Batch number: 17277820009A	Sample number(s): 9229453			
Moisture	11.7	11.2	4	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

Moisture Data Report

Batch #: 17276820004

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229450	A	00111	1.1030	5.6559	6.2348	9.27	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229451	A	00111	1.1080	5.2493	5.9815	7.16	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229452	A	00111	1.1088	5.4428	5.8137	13.56	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229454	A	00111	1.0906	5.2412	5.6747	12.54	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229455	A	00111	1.0965	5.9530	6.2872	12.81	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229456	A	00111	1.1156	5.2604	5.8311	10.36	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229457	A	00111	1.1066	5.8604	6.2473	12.28	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229458	B	00111	1.0838	5.7451	6.2237	10.53	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229459	B	00111	1.0942	5.9579	6.7306	5.40	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229460	B	00111	1.1073	5.6082	5.8157	16.04	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229461	B	00111	1.1054	5.3483	6.0005	8.47	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229462	B	00111	1.0900	5.4949	6.0794	9.20	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229463	B	00111	1.0863	5.7652	6.1297	12.52	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229464	B	00111	1.0945	5.4624	5.8403	13.12	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229465BKG	B	00111	1.1251	5.6992	6.5093	5.53	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229466MS	B	00118				5.53	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229467MSD	B	00118				5.53	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229467MSD	B	00121	1.0726	5.6365	6.3921	5.62	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229468FD	B	00111	1.1069	5.8641	6.6351	5.73	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
9229469	B	00111	1.1142	5.2547	5.6513	13.66	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)
LCS 89.5% Std.		00111	1.0992	5.0352	1.6356	89.35	10/ 3/17 (835/LEB)	10/ 4/17 (236/CW)

Batch #: 17277820009

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229453BKG	A	00111	1.0862	8.1644	8.2987	11.66	10/ 4/17 (1201/SWF)	10/ 5/17 (236/CW)
9229453DUP	A	00111	1.1123	8.8270	8.9467	11.25	10/ 4/17 (1201/SWF)	10/ 5/17 (236/CW)
LCS 89.5% Std.		00111	1.0888	5.0396	1.6487	88.89	10/ 4/17 (1201/SWF)	10/ 5/17 (236/CW)