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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# ATH04

GROUP	SAMPLE NUMBERS
1855198	9229548-9229561

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: 11/03/2017**

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 ATH04
with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9229548	T2-46(1.5-1.8)	09/22/2017 12:32	09/26/2017 17:15
9229549	T2-46E	09/22/2017 12:33	09/26/2017 17:15
9229550	T2-47W	09/22/2017 12:34	09/26/2017 17:15
9229551	T2-47WMS	09/22/2017 12:34	09/26/2017 17:15
9229552	T2-47WMSD	09/22/2017 12:34	09/26/2017 17:15
9229553	DUP2-9	09/22/2017 12:34	09/26/2017 17:15
9229554	T2-47(1.5-1.8)	09/22/2017 12:35	09/26/2017 17:15
9229555	T2-47E	09/22/2017 12:36	09/26/2017 17:15
9229556	T2-48W	09/22/2017 12:37	09/26/2017 17:15
9229557	T2-48(1.5-1.8)	09/22/2017 12:38	09/26/2017 17:15
9229558	T2-48E	09/22/2017 12:39	09/26/2017 17:15
9229559	T2-49W	09/22/2017 12:40	09/26/2017 17:15
9229560	T2-49(1.5-1.8)	09/22/2017 12:41	09/26/2017 17:15
9229561	T2-49E	09/22/2017 12:42	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

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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 09:01

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1855198
SDG: ATH04
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#
T2-46(1.5-1.8) Grab Soil	09/22/2017 12:32	9229548
T2-46E Grab Soil	09/22/2017 12:33	9229549
T2-47W Grab Soil	09/22/2017 12:34	9229550
T2-47WMS Grab Soil	09/22/2017 12:34	9229551
T2-47WMSD Grab Soil	09/22/2017 12:34	9229552
DUP2-9 Grab Soil	09/22/2017 12:34	9229553
T2-47(1.5-1.8) Grab Soil	09/22/2017 12:35	9229554
T2-47E Grab Soil	09/22/2017 12:36	9229555
T2-48W Grab Soil	09/22/2017 12:37	9229556
T2-48(1.5-1.8) Grab Soil	09/22/2017 12:38	9229557
T2-48E Grab Soil	09/22/2017 12:39	9229558
T2-49W Grab Soil	09/22/2017 12:40	9229559
T2-49(1.5-1.8) Grab Soil	09/22/2017 12:41	9229560
T2-49E Grab Soil	09/22/2017 12:42	9229561

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: **T2-46(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229548**
ELLE Group #: **1855198**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:32
SDG#: ATH04-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 1.2 D1	1.2	20
10225	PCB-1221	11104-28-2	< 1.2 D1	1.2	20
10225	PCB-1232	11141-16-5	< 1.2 D1	1.2	20
10225	PCB-1242	53469-21-9	< 1.2 D1	1.2	20
10225	PCB-1248	12672-29-6	< 1.2 D1	1.2	20
10225	PCB-1254	11097-69-1	< 1.2 D1	1.2	20
10225	PCB-1260	11096-82-5	6.4 D1	1.2	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	18.8	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	172860014A	10/24/2017 09:37	Jessica L Miller	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

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

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:33
SDG#: ATH04-02

Stantec
ELLE Sample #: **SW 9229549**
ELLE Group #: **1855198**
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	6.3	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.9		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172890027A	10/24/2017 14:45	Jessica L Miller	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172890027A	10/17/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-47W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:34
SDG#: ATH04-03BKG

Stantec
ELLE Sample #: **SW 9229550**
ELLE Group #: **1855198**
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	< 0.59 D1	0.59	10
10225	PCB-1221	11104-28-2	< 0.59 D1	0.59	10
10225	PCB-1232	11141-16-5	< 0.59 D1	0.59	10
10225	PCB-1242	53469-21-9	< 0.59 D1	0.59	10
10225	PCB-1248	12672-29-6	< 0.59 D1	0.59	10
10225	PCB-1254	11097-69-1	< 0.59 D1	0.59	10
10225	PCB-1260	11096-82-5	4.8 D1	0.59	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	14.6	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	172860014A	10/24/2017 09:48	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-47WMS Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:34
SDG#: ATH04-03MS

Stantec
ELLE Sample #: SW 9229551
ELLE Group #: 1855198
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	0.72 D2	0.58	10
10225	PCB-1221	11104-28-2	< 0.58 D1	0.58	10
10225	PCB-1232	11141-16-5	< 0.58 D1	0.58	10
10225	PCB-1242	53469-21-9	< 0.58 D1	0.58	10
10225	PCB-1248	12672-29-6	< 0.58 D1	0.58	10
10225	PCB-1254	11097-69-1	< 0.58 D1	0.58	10
10225	PCB-1260	11096-82-5	7.9 D1	0.58	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00118	Moisture	n.a.	14.6	0.50	1

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 09:59	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-47WMSD Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:34
SDG#: ATH04-03MSD

Stantec
ELLE Sample #: **SW 9229552**
ELLE Group #: **1855198**
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	0.62 D2	0.58	10
10225	PCB-1221	11104-28-2	< 0.58 D1	0.58	10
10225	PCB-1232	11141-16-5	< 0.58 D1	0.58	10
10225	PCB-1242	53469-21-9	< 0.58 D1	0.58	10
10225	PCB-1248	12672-29-6	< 0.58 D1	0.58	10
10225	PCB-1254	11097-69-1	< 0.58 D1	0.58	10
10225	PCB-1260	11096-82-5	4.8 D1	0.58	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00118	Moisture	n.a.	14.6	0.50	1
00121	Moisture Duplicate	n.a.	14.7	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 10:11	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00118	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1
00121	Moisture Duplicate	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **DUP2-9 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:34
SDG#: ATH04-04FD

Stantec
ELLE Sample #: **SW 9229553**
ELLE Group #: **1855198**
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	< 0.57 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	4.6 D1	0.57	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	12.6	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	172860014A	10/24/2017 10:22	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-47(1.5-1.8) Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9229554**
ELLE Group #: **1855198**
Matrix: Soil

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:35
SDG#: ATH04-05

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.9	D1	2.9	50
10225	PCB-1221	11104-28-2	< 2.9	D1	2.9	50
10225	PCB-1232	11141-16-5	< 2.9	D1	2.9	50
10225	PCB-1242	53469-21-9	< 2.9	D1	2.9	50
10225	PCB-1248	12672-29-6	< 2.9	D1	2.9	50
10225	PCB-1254	11097-69-1	< 2.9	D1	2.9	50
10225	PCB-1260	11096-82-5	11	D1	2.9	50
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	11.5		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	172860014A	10/24/2017 10:34	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-47E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:36
SDG#: ATH04-06

Stantec
ELLE Sample #: **SW 9229555**
ELLE Group #: **1855198**
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	< 0.27 D1	0.27	5
10225	PCB-1221	11104-28-2	< 0.27 D1	0.27	5
10225	PCB-1232	11141-16-5	< 0.27 D1	0.27	5
10225	PCB-1242	53469-21-9	< 0.27 D1	0.27	5
10225	PCB-1248	12672-29-6	< 0.27 D1	0.27	5
10225	PCB-1254	11097-69-1	< 0.27 D1	0.27	5
10225	PCB-1260	11096-82-5	2.8 D1	0.27	5
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	8.2	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	172860014A	10/24/2017 10:45	Jessica L Miller	5
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-48W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:37
SDG#: ATH04-07

Stantec
ELLE Sample #: **SW 9229556**
ELLE Group #: **1855198**
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	< 0.63 D1	0.63	10
10225	PCB-1221	11104-28-2	< 0.63 D1	0.63	10
10225	PCB-1232	11141-16-5	< 0.63 D1	0.63	10
10225	PCB-1242	53469-21-9	< 0.63 D1	0.63	10
10225	PCB-1248	12672-29-6	< 0.63 D1	0.63	10
10225	PCB-1254	11097-69-1	< 0.63 D1	0.63	10
10225	PCB-1260	11096-82-5	5.8 D1	0.63	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	19.3	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	172860014A	10/27/2017 05:54	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-48(1.5-1.8) Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:38
SDG#: ATH04-08

Stantec
ELLE Sample #: SW 9229557
ELLE Group #: 1855198
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	< 0.062 D1	0.062	1
10225	PCB-1221	11104-28-2	< 0.062 D1	0.062	1
10225	PCB-1232	11141-16-5	< 0.062 D1	0.062	1
10225	PCB-1242	53469-21-9	< 0.062 D1	0.062	1
10225	PCB-1248	12672-29-6	< 0.062 D1	0.062	1
10225	PCB-1254	11097-69-1	< 0.062 D1	0.062	1
10225	PCB-1260	11096-82-5	0.11 D1	0.062	1
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	20.4	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	172860014A	10/24/2017 11:08	Jessica L Miller	1
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-48E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:39
SDG#: ATH04-09

Stantec
ELLE Sample #: **SW 9229558**
ELLE Group #: **1855198**
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	< 2.6	D1	2.6	50
10225	PCB-1221	11104-28-2	< 2.6	D1	2.6	50
10225	PCB-1232	11141-16-5	< 2.6	D1	2.6	50
10225	PCB-1242	53469-21-9	< 2.6	D1	2.6	50
10225	PCB-1248	12672-29-6	< 2.6	D1	2.6	50
10225	PCB-1254	11097-69-1	< 2.6	D1	2.6	50
10225	PCB-1260	11096-82-5	13	D1	2.6	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	172860014A	10/24/2017 11:19	Jessica L Miller	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-49W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:40
SDG#: ATH04-10

Stantec
ELLE Sample #: **SW 9229559**
ELLE Group #: **1855198**
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	5.7	D1	1.1	20
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	7.8		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 11:31	Jessica L Miller	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-49(1.5-1.8) Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:41
SDG#: ATH04-11

Stantec
ELLE Sample #: **SW 9229560**
ELLE Group #: **1855198**
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	< 0.60 D1	0.60	10
10225	PCB-1221	11104-28-2	< 0.60 D1	0.60	10
10225	PCB-1232	11141-16-5	< 0.60 D1	0.60	10
10225	PCB-1242	53469-21-9	< 0.60 D1	0.60	10
10225	PCB-1248	12672-29-6	< 0.60 D1	0.60	10
10225	PCB-1254	11097-69-1	< 0.60 D1	0.60	10
10225	PCB-1260	11096-82-5	3.1 D1	0.60	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**	**%**	
00111	Moisture	n.a.	14.9	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/24/2017 11:42	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Analysis Report

Sample Description: **T2-49E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/26/2017 17:15
Collection Date/Time: 09/22/2017 12:42
SDG#: ATH04-12

Stantec
ELLE Sample #: **SW 9229561**
ELLE Group #: **1855198**
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	< 0.54	D1	0.54	10
10225	PCB-1221	11104-28-2	< 0.54	D1	0.54	10
10225	PCB-1232	11141-16-5	< 0.54	D1	0.54	10
10225	PCB-1242	53469-21-9	< 0.54	D1	0.54	10
10225	PCB-1248	12672-29-6	< 0.54	D1	0.54	10
10225	PCB-1254	11097-69-1	< 0.54	D1	0.54	10
10225	PCB-1260	11096-82-5	5.7	D1	0.54	10
Wet Chemistry	**SM 2540 G-1997 %Moisture Calc**		**%**		**%**	
00111	Moisture	n.a.	8.7		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172860014A	10/26/2017 06:37	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172860014A	10/14/2017 09:00	Olivia Arosemena	1
00111	Moisture	SM 2540 G-1997 %Moisture Calc	1	17276820009B	10/03/2017 23:25	Scott W Freisher	1

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Quality Control Summary

Client Name: Stantec
Reported: 10/31/2017 09:01

Group Number: 1855198

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: 172860014A	Sample number(s): 9229548,9229550-9229561	
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: 172890027A	Sample number(s): 9229549	
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: 172860014A	Sample number(s): 9229548,9229550-9229561								
PCB-1016	0.501	0.481			96		80-121		
PCB-1260	0.501	0.494			99		84-125		
Batch number: 172890027A	Sample number(s): 9229549								
PCB-1016	0.501	0.516			103		80-121		
PCB-1260	0.501	0.541			108		84-125		
	%	%	%	%					
Batch number: 17276820009B	Sample number(s): 9229548-9229561								
Moisture	89.5	89.33			100		99-101		
Moisture	89.5	89.33			100		99-101		
Moisture Duplicate	89.5	89.33			100		99-101		

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

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Quality Control Summary

Client Name: Stantec
Reported: 10/31/2017 09:01

Group Number: 1855198

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: 172860014A	Sample number(s): 9229548,9229550-9229561 UNSPK: 9229550									
PCB-1016	< 0.50	0.488	0.612	0.484	0.527	125*	109	80-121	15	50
PCB-1260	4.10	0.488	6.77	0.485	4.09	548 (2)	-1 (2)	84-125	49	50
Batch number: 172890027A	Sample number(s): 9229549 UNSPK: P233685									
PCB-1016	< 0.51	0.500	0.897	0.485	0.677	179*	140*	80-121	28	50
PCB-1260	3.64	0.500	4.50	0.486	4.10	172 (2)	95 (2)	84-125	9	50

Laboratory Duplicate

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

Analysis Name	BKG Conc %	DUP Conc %	DUP RPD	DUP RPD Max
Batch number: 17276820009B	Sample number(s): 9229548-9229561 BKG: 9229550, P229550			
Moisture	14.58	14.71	1	5
Moisture	14.58	14.71	1	5
Moisture Duplicate	14.58	14.71	1	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: 172860014A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229548	66	94	81	85
9229550	63	95	74	81
9229551	70	99	78	85
9229552	72	93	80	84
9229553	67	91	77	79
9229554	71	107	95	98
9229555	59*	95	70	80

*- 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 09:01

Group Number: 1855198

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: 172860014A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229556	62	89	72	75
9229557	98	110	105	105
9229558	76	121	96	123
9229559	80	105	88	95
9229560	65	88	72	77
9229561	68	98	75	85
Blank	109	98	107	99
LCS	101	91	102	96
MS	70	99	78	85
MSD	72	93	80	84
Limits:	61-152	48-164	61-152	48-164

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172890027A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9229549	80	120	93	106
Blank	108	103	106	108
LCS	106	109	110	111
MS	88	115	94	99
MSD	87	110	91	98
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 # 1855198 Sample # 9229548-61

COC # 528678 24 of 25

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jon Zerbe

Quote #:

State where samples were collected: DE

For Compliance: Yes ☐ No ☐

Matrix

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

Analysis Requested

Preservation Codes

For Lab Use Only

FSC:

SCR#:

Preservation Codes

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

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	PCBS 3550B	Remarks
T2-46 (1.5-1.8)	9/22/17	1232	X		1	X	
T2-46E		1233	X		1	X	
T2-47W		1234	X		1	X	
T2-47WMS		1234	X		1	X	
T2-47WMSD		1234	X		1	X	
DUP2-9		1234	X		1	X	
T2-47 (1.5-1.8)		1235	X		1	X	
T2-47E		1236	X		1	X	
T2-48W		1237	X		1	X	
T2-48 (1.5-1.8)	9/22/17	1238	X		1	X	

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed: ____

E-mail address: ____

Data Package Options (circle if required)

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

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

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-26-17	1255	[signature]	9/26/17	1255
[signature]	9-26-17	1714			
			[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 2.1-2.4 °C

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

7044 0216

Environmental Analysis Request/Chain of Custody

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Acct. # 11289 Group # 1855198 Sample # 9229548-61

COC # 528679

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

Analysis Requested — Preservation Codes: PCBs 3550B

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 ☒ Sediment	Water	Other:	Total # of Containers	PCBs 3550B	Remarks
T2-48E	9/22/17	1239	X		X			1	X	
T2-49W	9/22/17	1240	X		X			1	X	
T2-49 (1.5-1.8)	9/22/17	1241	X		X			1	X	
T2-49E	9/22/17	1242	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

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300
The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7044 0216

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Sample Administration Receipt Documentation Log

Doc Log ID: 195535

Group Number(s): 1855198

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

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

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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

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

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

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

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

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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: ATH04

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9229548	T2-46(1.5-1.8)		X	20	
9229549	T2-46E		X	20	
9229550	T2-47W		X	10	Unspiked
9229551	T2-47WMS		X	10	Matrix Spike
9229552	T2-47WMSD		X	10	Matrix Spike Duplicate
9229553	DUP2-9		X	10	Field Duplicate Sample
9229554	T2-47(1.5-1.8)		X	50	
9229555	T2-47E		X	5	
9229556	T2-48W		X	10	
9229557	T2-48(1.5-1.8)		X	1	
9229558	T2-48E		X	50	
9229559	T2-49W		X	20	
9229560	T2-49(1.5-1.8)		X	10	
9229561	T2-49E		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.

CALIBRATION/STANDARDIZATION:

(Sample number(s): 9229548-9229561: 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.

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATH04

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

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#: 172860014A (Sample number(s): 9229548, 9229550-9229561, UNSPK: 9229550)
The recovery(ies) for the following analyte(s) in the MS exceeded the acceptance window indicating a positive bias: PCB-1016, PCB-1260
The recovery(ies) for the following analyte(s) in the 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#: 172860014A (Sample number(s): 9229548, 9229550-9229561, UNSPK: 9229550)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Tetrachloro-m-xylene-D1 (9229555)

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: ATH04

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172860014A	PBLK14286	10/24/2017 08:28:00
		LCS14286	10/24/2017 08:39:00
		9229548	10/24/2017 09:37:00
		9229550 UNSPK	10/24/2017 09:48:00
		9229551 MS	10/24/2017 09:59:00
		9229552 MSD	10/24/2017 10:11:00
		9229553	10/24/2017 10:22:00
		9229554	10/24/2017 10:34:00
		9229555	10/24/2017 10:45:00
		9229556	10/27/2017 05:54:00
		9229557	10/24/2017 11:08:00
		9229558	10/24/2017 11:19:00
		9229559	10/24/2017 11:31:00
		9229560	10/24/2017 11:42:00
		9229561	10/26/2017 06:37:00
PCBs in Solids by 8082/3550	172890027A	PBLK27289	10/24/2017 12:51:00
		LCS27289	10/24/2017 13:25:00
		9229549	10/24/2017 14:45:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATH04
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

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

172890027A / PBLK27289 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	10/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	10/24/17	N.D.	mg/kg	0.015	0.051
PCB-1232	10/24/17	N.D.	mg/kg	0.012	0.051
PCB-1242	10/24/17	N.D.	mg/kg	0.012	0.051
PCB-1248	10/24/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	10/24/17	N.D.	mg/kg	0.013	0.051
PCB-1260	10/24/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATH04
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172860014A	Decachlorobiphenyl-D1		Decachlorobiphenyl-D2		Tetrachloro-m-xylene-D1		Tetrachloro-m-xylene-D2	
	Spike Added	27.1 ug/kg	Spike Added	27.1 ug/kg	Spike Added	30.6 ug/kg	Spike Added	30.6 ug/kg
Sample	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits	% Recovery	Limits
PBLK14286	98	48 - 164	99	48 - 164	109	61 - 152	107	61 - 152
LCS14286	91	48 - 164	96	48 - 164	101	61 - 152	102	61 - 152
9229548	94	48 - 164	85	48 - 164	66	61 - 152	81	61 - 152
9229550 UNSPK	95	48 - 164	81	48 - 164	63	61 - 152	74	61 - 152
9229551 MS	99	48 - 164	85	48 - 164	70	61 - 152	78	61 - 152
9229552 MSD	93	48 - 164	84	48 - 164	72	61 - 152	80	61 - 152
9229553	91	48 - 164	79	48 - 164	67	61 - 152	77	61 - 152
9229554	107	48 - 164	98	48 - 164	71	61 - 152	95	61 - 152
9229555	95	48 - 164	80	48 - 164	59 *	61 - 152	70	61 - 152
9229556	89	48 - 164	75	48 - 164	62	61 - 152	72	61 - 152
9229557	110	48 - 164	105	48 - 164	98	61 - 152	105	61 - 152
9229558	121	48 - 164	123	48 - 164	76	61 - 152	96	61 - 152
9229559	105	48 - 164	95	48 - 164	80	61 - 152	88	61 - 152
9229560	88	48 - 164	77	48 - 164	65	61 - 152	72	61 - 152
9229561	98	48 - 164	85	48 - 164	68	61 - 152	75	61 - 152

172890027A	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
PBLK27289	103	48 - 164	108	48 - 164	108	61 - 152	106	61 - 152
LCS27289	109	48 - 164	111	48 - 164	106	61 - 152	110	61 - 152
9229549	120	48 - 164	106	48 - 164	80	61 - 152	93	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: ATH04
Matrix: SOLID

Pesticide Residue Analysis
Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9229550 MS: 9229551 MSD: 9229552 **Analyte**	Batch: **172860014A** (Sample number(s): 9229548, 9229550-9229561)								
	Spike Added mg/kg MS/MSD	**Unspiked Conc mg/kg**	**MS Conc mg/kg**	**MSD Conc mg/kg**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.488 / 0.484	0	0.612	0.527	125 *	109	80-121	15	50
PCB-1260	0.488 / 0.485	4.10	6.77	4.09	548 (2)	-1 (2)	84-125	49	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: ATH04
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS14286	Batch: **172860014A** (Sample number(s): 9229548, 9229550-9229561)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.481	NA	96	NA	80-121	NA	NA
PCB-1260	0.501	0.494	NA	99	NA	84-125	NA	NA

LCS: LCS27289	Batch: **172890027A** (Sample number(s): 9229549)							
Analyte	**Spike Added mg/kg**	**LCS Conc mg/kg**	**LCSD Conc mg/kg**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
PCB-1016	0.501	0.516	NA	103	NA	80-121	NA	NA
PCB-1260	0.501	0.541	NA	108	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: 19843A Calibration File: 07PCBS1729201

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

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

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729201

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

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

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

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

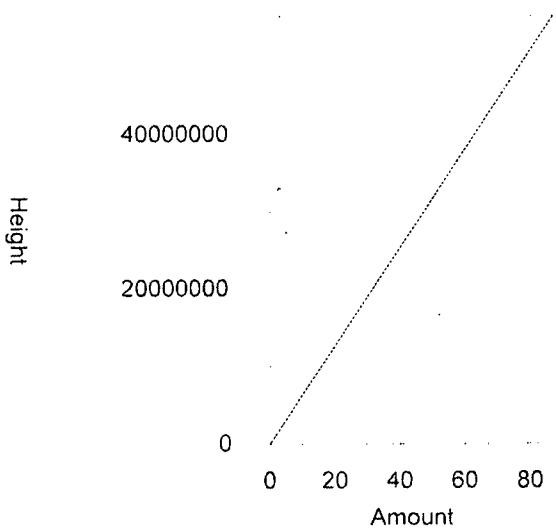
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 3.029 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

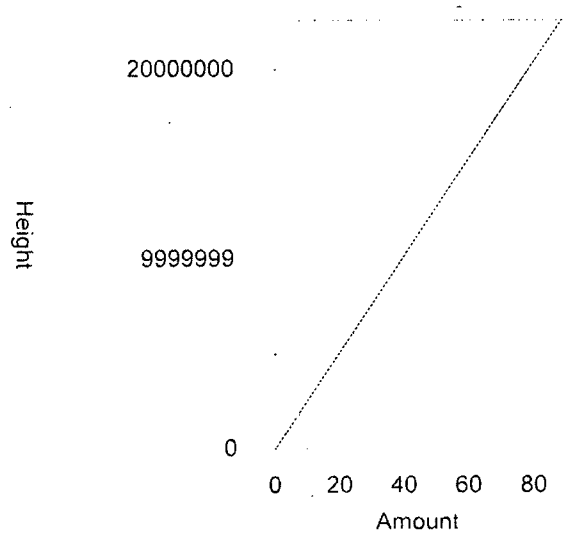
Single peak quantification by height

Y = 634956 X + 0

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

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

2 DCB



Expected retention time:	6.75 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 255225.8 X + 0

Average CF fit with equal weighting, forced to origin

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

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

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

Average % RSD: 6

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729201B

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

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

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

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

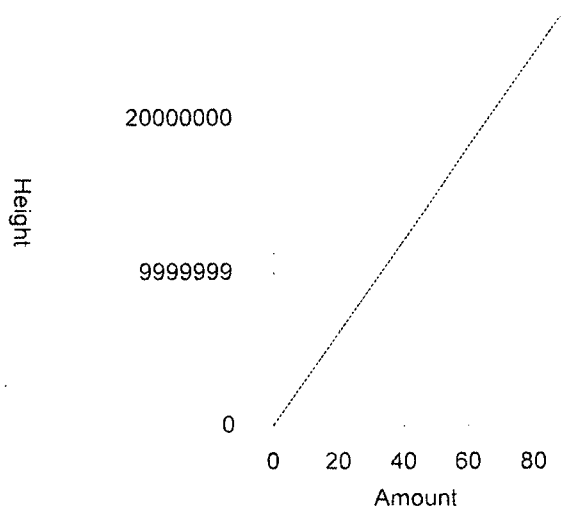
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.749 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

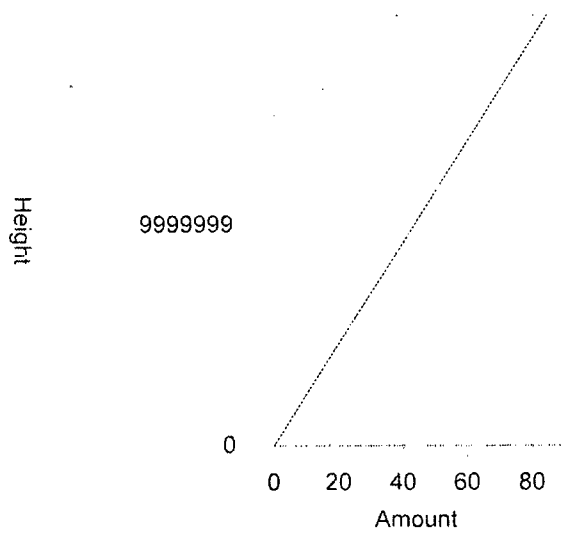
Single peak quantification by height

Y = 303548.4 X + 0

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

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

2 DCB



Expected retention time:	6.32 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 230737.8 X + 0

Average CF fit with equal weighting, forced to origin

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

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

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	6.76E+05	6.53E+05	7.04E+05	7.37E+05	7.25E+05	7.06E+05	7.00E+05	4
Decachlorobiphenyl	2.90E+05	2.77E+05	2.75E+05	2.88E+05	2.96E+05	3.11E+05	2.89E+05	5

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.28	3.26	3.30	11454	10472	1	25.25	289219	5.34
					10254		2	50.5	517831	
					10585		3	101	1069072	
					10480		4	202	2117027	
					10297		5	505	5200104	
					9759		6	1010	9856238	
	2	3.50	3.48	3.52	12164	11224	1	25.25	307148	5.17
					11274		2	50.5	569331	
					11074		3	101	1118425	
					11478		4	202	2318513	
					10921		5	505	5514924	
					10436		6	1010	10540380	
	3	3.62	3.60	3.64	13397	12945	1	25.25	338282	2.84
					12407		2	50.5	626561	
					13042		3	101	1317278	
					13172		4	202	2660757	
					13038		5	505	6584219	
					12613		6	1010	12739480	
	4	3.84	3.82	3.86	15258	15076	1	25.25	385277	3.15
					14469		2	50.5	730682	
					14506		3	101	1465072	
					15273		4	202	3085086	
					15623		5	505	7889776	
					15325		6	1010	15477770	
	5	3.90	3.88	3.92	12949	12877	1	25.25	326955	4.26
					11990		2	50.5	605489	
					12512		3	101	1263699	
					13020		4	202	2630102	
					13287		5	505	6709756	
					13502		6	1010	13637020	
	6	4.10	4.08	4.12	9825	9575	1	25.25	248074	3.28
					9053		2	50.5	457188	
					9388		3	101	948217	
					9573		4	202	1933731	
					9903		5	505	5001009	
					9707		6	1010	9804164	
Aroclor-1221	1	3.18	3.16	3.20	6055	6055	1	200.54	1214177	.00
	2	3.24	3.22	3.26	5205	5205	1	200.54	1043792	.00
	3	3.28	3.26	3.30	18610	18610	1	200.54	3732125	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.28	3.26	3.30	13231	13231	1	200.6	2654104	.00
	2	3.50	3.48	3.52	5394	5394	1	200.6	1081950	.00
	3	3.62	3.60	3.64	6371	6371	1	200.6	1278120	.00
	4	3.84	3.82	3.86	7194	7194	1	200.6	1443216	.00
	5	3.90	3.88	3.92	6110	6110	1	200.6	1225589	.00
	6	4.10	4.08	4.12	3884	3884	1	200.6	779165	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.29	3.27	3.31	9726	8965	1	25	243148	5.72
					9184		2	50	459183	
					8666		3	100	866599	
					8925		4	200	1785020	
					9085		5	500	4542530	
					8203		6	1000	8203020	
	2	3.50	3.48	3.52	10472	9478	1	25	261801	7.10
					9849		2	50	492464	
					9325		3	100	932457	
					9437		4	200	1887330	
					9358		5	500	4679098	
					8430		6	1000	8430226	
	3	3.62	3.60	3.64	11572	10910	1	25	289300	4.20
					11145		2	50	557246	
					10388		3	100	1038790	
					10788		4	200	2157656	
					11126		5	500	5563192	
					10438		6	1000	10438080	
	4	3.84	3.82	3.86	12959	12662	1	25	323968	3.34
					12303		2	50	615149	
					12031		3	100	1203104	
					12682		4	200	2536425	
					13162		5	500	6580828	
					12836		6	1000	12835760	
	5	3.90	3.88	3.92	10851	10641	1	25	271265	4.10
					10275		2	50	513762	
					10026		3	100	1002577	
					10602		4	200	2120456	
					11226		5	500	5612838	
					10869		6	1000	10868820	
	6	4.10	4.08	4.12	8350	8014	1	25	208746	4.04
					7926		2	50	396287	
					7593		3	100	759310	
					7758		4	200	1551531	
					8413		5	500	4206500	
					8046		6	1000	8045986	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.84	3.82	3.86	7156	6631	1	25.08	179485	4.05
					6549		2	50.16	328500	
					6567		3	100.32	658771	
					6442		4	200.64	1292609	
					6434		5	501.6	3227215	
					6640		6	1003.2	6661032	
	2	3.90	3.88	3.92	7789	7200	1	25.08	195345	4.07
					7143		2	50.16	358272	
					7132		3	100.32	715449	
					7086		4	200.64	1421718	
					7009		5	501.6	3515668	
					7041		6	1003.2	7063206	
	3	3.97	3.95	3.99	13601	12622	1	25.08	341124	4.49
					12438		2	50.16	623872	
					12987		3	100.32	1302862	
					12361		4	200.64	2480182	
					12110		5	501.6	6074309	
					12237		6	1003.2	12276550	
	4	4.10	4.08	4.12	15328	14228	1	25.08	384426	4.46
					13992		2	50.16	701833	
					14410		3	100.32	1445583	
					14089		4	200.64	2826828	
					13398		5	501.6	6720332	
					14153		6	1003.2	14198160	
	5	4.19	4.17	4.21	12100	11652	1	25.08	303461	3.00
					11173		2	50.16	560445	
					11434		3	100.32	1147011	
					11466		4	200.64	2300492	
					11840		5	501.6	5938880	
					11900		6	1003.2	11938480	
	6	4.38	4.36	4.40	12227	12190	1	25.08	306644	4.33
					11287		2	50.16	566153	
					12160		3	100.32	1219892	
					12037		4	200.64	2415139	
					12683		5	501.6	6361594	
					12749		6	1003.2	12789380	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.71	4.69	4.73	13607	13606	1	25.12	341818	2.24
					13708		2	50.24	688682	
					13204		3	100.48	1326692	
					13343		4	251.2	3351876	
					13710		5	502.4	6887986	
					14065		6	1004.8	14132270	
	2	4.77	4.75	4.79	26496	27291	1	25.12	665579	4.93
					26491		2	50.24	1330928	
					26230		3	100.48	2635608	
					26508		4	251.2	6658762	
					28743		5	502.4	14440680	
					29277		6	1004.8	29417570	
	3	4.90	4.88	4.92	8839	8246	1	25.12	222047	4.51
					8090		2	50.24	406452	
					7937		3	100.48	797554	
					7830		4	251.2	1966841	
					8346		5	502.4	4193013	
					8435		6	1004.8	8475075	
	4	4.99	4.97	5.01	16696	16924	1	25.12	419400	5.12
					16205		2	50.24	814156	
					16214		3	100.48	1629220	
					16615		4	251.2	4173738	
					17337		5	502.4	8710330	
					18477		6	1004.8	18565990	
	5	5.19	5.17	5.21	12830	13293	1	25.12	322298	6.48
					12772		2	50.24	641665	
					12403		3	100.48	1246238	
					13222		4	251.2	3321282	
					13742		5	502.4	6903826	
					14787		6	1004.8	14857630	
	6	5.31	5.29	5.33	17327	17797	1	25.12	435255	6.12
					16879		2	50.24	848014	
					16897		3	100.48	1697796	
					17479		4	251.2	4390745	
					18566		5	502.4	9327597	
					19633		6	1004.8	19727710	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.90	4.88	4.92	19186	19446	1	25.21	483671	6.35
					17999		2	50.41	907333	
					18880		3	100.82	1903521	
					19356		4	201.64	3902882	
					19549		5	504.1	9854719	
					21707		6	1008.2	21885380	
	2-L	5.31	5.29	5.33	22777	24943	1	25.21	574216	10.41
					22056		2	50.41	1111831	
					23626		3	100.82	2382017	
					25567		4	201.64	5155390	
					26802		5	504.1	13510680	
					28831		6	1008.2	29067170	
	3	5.37	5.35	5.39	12716	13177	1	25.21	320569	7.17
					11979		2	50.41	603862	
					12535		3	100.82	1263729	
					13347		4	201.64	2691207	
					14018		5	504.1	7066298	
					14470		6	1008.2	14588480	
	4	5.54	5.52	5.56	12466	13404	1	25.21	314261	9.16
					11854		2	50.41	597560	
					13145		3	100.82	1325318	
					13289		4	201.64	2679556	
					14629		5	504.1	7374696	
					15040		6	1008.2	15163350	
	5	5.77	5.75	5.79	31030	33431	1	25.21	782258	9.30
					29699		2	50.41	1497118	
					32033		3	100.82	3229530	
					34055		4	201.64	6866926	
					35787		5	504.1	18039980	
					37986		6	1008.2	38297090	
	6	5.98	5.96	6.00	17404	18902	1	25.21	438754	7.85
					17490		2	50.41	881671	
					17893		3	100.82	1803997	
					19588		4	201.64	3949811	
					20325		5	504.1	10245840	
					20708		6	1008.2	20878190	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729901

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.37	5.35	5.39	23576	23576	1	200.4	4724590	.00
	2	5.54	5.52	5.56	19830	19830	1	200.4	3973952	.00
	3	5.77	5.75	5.79	41064	41064	1	200.4	8229150	.00
	4	5.98	5.96	6.00	25734	25734	1	200.4	5157104	.00
	5	6.03	6.01	6.05	12033	12033	1	200.4	2411404	.00
	6	6.40	6.38	6.42	13115	13115	1	200.4	2628294	.00
Aroclor-1268	1	5.98	5.96	6.00	49459	49459	1	201	9941251	.00
	2	6.04	6.02	6.06	40644	40644	1	201	8169366	.00
	3	6.17	6.15	6.19	37856	37856	1	201	7608974	.00
	4	6.23	6.21	6.25	9560	9560	1	201	1921555	.00
	5	6.40	6.38	6.42	14523	14523	1	201	2919032	.00
	6	6.60	6.58	6.62	118027	118027	1	201	23723360	.00

File Name: V:\CP7\07PCBS1729901.CAL
Version: 8

Creator:
Description:
Reason for change:

Janie L. Billhart
Senior Chemist

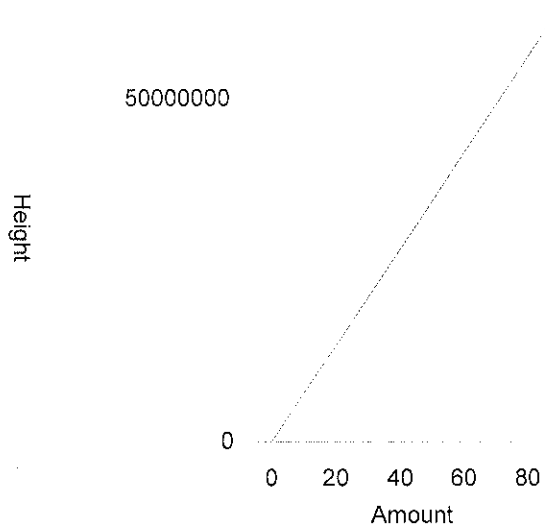
OCT 30 2017

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

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

All levels are normal data points.

1 TCX



Expected retention time: 3.028 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

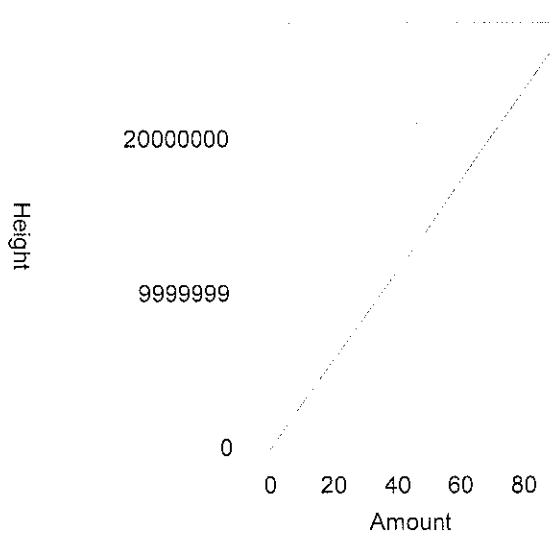
Single peak quantification by height

Y = 700095.8 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9981654
Average error: 3.393%
Average CF: 700095.8
RSD: 4.425%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	1351703	675851.5	-3.463	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0007.B
2	4	2612275	653068.8	-6.717	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0008.B
3	20	1.407817E+07	703908.5	0.545	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0009.B
4	40	2.946433E+07	736608.3	5.215	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0010.B
5	60.8	4.407124E+07	724855.9	3.537	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0011.B
6	80	5.650252E+07	706281.5	0.884	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.0012.B

2 DCB



Expected retention time:	6.747 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 = 289477 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9932112
Average error:	3.246%
Average CF:	289477
RSD:	4.569%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	582010.1	289557.3	0.028	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.000
2	4.02	1113497	276989.3	-4.314	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.000
3	20.12	5533668	275033.2	-4.990	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.000
4	40.24	1.159788E+07	288217.7	-0.435	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.001
5	61.16	1.810339E+07	296000.5	2.254	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.001
6	80.48	2.503442E+07	311063.8	7.457	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001.001

File Name: V:\CP7\07multi1729901.CAL
Version: 3

Creator:
Description:
Reason for change:

Jamie L. Brillhart
Senior Chemist

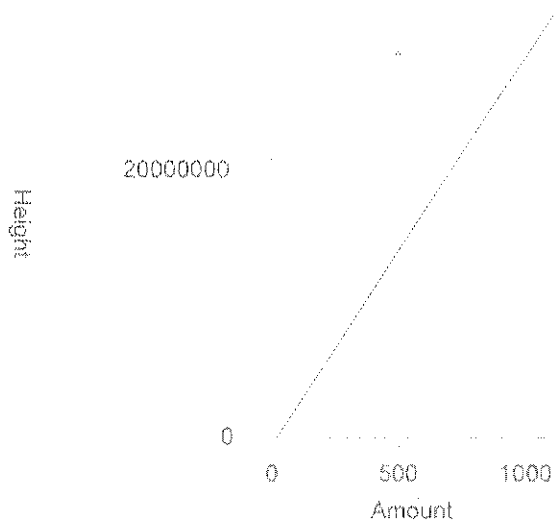
OCT 30 2017

External standard calibration
Standard injection volume: 1
No sample weight correction
Area reject threshold: 0
Reference peak area reject threshold: 50
Amount units: PPB
No default component

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

All levels are normal data points.

1 1260-pk2



Expected retention time:	5.308 minutes
Search window:	0.02 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 = 29006.76 X + -505415.4

Linear fit with equal weighting

Coefficient of determination:	0.9989297
Average error:	30.157%
Average CF:	24943.19
RSD:	10.411%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	25.21	574216	22777.31	154.252	Manual	10/29/2017 2:15:39 PM
2	50.41	1111831	22055.76	16.201	Manual	10/29/2017 2:15:41 PM
3	100.82	2382017	23626.43	-1.531	Manual	10/29/2017 2:15:43 PM
4	201.64	5155390	25567.3	-3.520	Manual	10/29/2017 2:15:44 PM
5	504.1	1.351068E+07	26801.59	-4.294	Manual	10/29/2017 2:15:46 PM
6	1008.2	2.906717E+07	28830.76	1.141	Manual	10/29/2017 2:15:48 PM

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	RT OF STANDARDS						MIDPOINT	RT WINDOW	
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	RT	FROM	TO
Tetrachloro-m-xylene	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.72	2.78
Decachlorobiphenyl	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.28	6.34

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	3.36E+05	3.16E+05	3.42E+05	3.51E+05	3.54E+05	3.55E+05	3.42E+05	4
Decachlorobiphenyl	3.08E+05	2.74E+05	2.69E+05	2.71E+05	2.64E+05	2.66E+05	2.75E+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: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.03	3.01	3.05	6356	5550	1	25.25	160492	9.41
					5813		2	50.5	293546	
					5600		3	101	565577	
					5526		4	202	1116252	
					5152		5	505	2601956	
					4854		6	1010	4902912	
	2	3.37	3.35	3.39	7834	7026	1	25.25	197813	7.56
					7222		2	50.5	364711	
					7135		3	101	720600	
					7055		4	202	1425094	
					6613		5	505	3339327	
					6295		6	1010	6358242	
	3	3.56	3.54	3.58	7690	7297	1	25.25	194171	2.93
					7296		2	50.5	368427	
					7074		3	101	714466	
					7163		4	202	1447008	
					7332		5	505	3702830	
					7225		6	1010	7296821	
	4	3.63	3.61	3.65	8365	7773	1	25.25	211211	3.79
					7650		2	50.5	386305	
					7552		3	101	762789	
					7690		4	202	1553320	
					7680		5	505	3878616	
					7703		6	1010	7780130	
	5	3.69	3.67	3.71	6054	5399	1	25.25	152866	6.66
					5507		2	50.5	278084	
					5401		3	101	545527	
					5141		4	202	1038542	
					5225		5	505	2638638	
					5068		6	1010	5118662	
	6	3.80	3.78	3.82	7089	6529	1	25.25	178991	5.08
					6717		2	50.5	339187	
					6392		3	101	645553	
					6463		4	202	1305622	
					6376		5	505	3219904	
					6136		6	1010	6197800	
Aroclor-1221	1	2.92	2.90	2.94	3643	3643	1	200.54	730487	.00
	2	2.98	2.96	3.00	2105	2105	1	200.54	422201	.00
	3	3.03	3.01	3.05	9137	9137	1	200.54	1832335	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.03	3.01	3.05	6820	6820	1	200.6	1368050	.00
	2	3.37	3.35	3.39	3346	3346	1	200.6	671149	.00
	3	3.56	3.54	3.58	3453	3453	1	200.6	692621	.00
	4	3.63	3.61	3.65	3618	3618	1	200.6	725831	.00
	5	3.69	3.67	3.71	2304	2304	1	200.6	462276	.00
	6	3.80	3.78	3.82	2713	2713	1	200.6	544249	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1242	1	3.03	3.01	3.05	5359	4760	1	25	133964	8.79
					5106		2	50	255320	
					4735		3	100	473487	
					4661		4	200	932123	
					4511		5	500	2255502	
					4190		6	1000	4190411	
	2	3.37	3.35	3.39	6688	5884	1	25	167200	8.75
					6252		2	50	312613	
					5719		3	100	571905	
					5719		4	200	1143742	
					5721		5	500	2860440	
					5204		6	1000	5204354	
	3	3.56	3.54	3.58	6430	6049	1	25	160758	4.70
					6174		2	50	308721	
					5805		3	100	580490	
					5814		4	200	1162834	
					6288		5	500	3144243	
					5782		6	1000	5782068	
	4	3.63	3.61	3.65	6856	6407	1	25	171400	4.87
					6657		2	50	332849	
					6110		3	100	610972	
					6190		4	200	1238088	
					6502		5	500	3250978	
					6125		6	1000	6125478	
	5	3.69	3.67	3.71	5202	4566	1	25	130043	8.24
					4764		2	50	238178	
					4425		3	100	442460	
					4420		4	200	884003	
					4489		5	500	2244308	
					4100		6	1000	4099894	
	6	3.80	3.78	3.82	6107	5499	1	25	152683	6.93
					5774		2	50	288684	
					5414		3	100	541359	
					5154		4	200	1030743	
					5435		5	500	2717661	
					5110		6	1000	5110412	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.56	3.54	3.58	3232	2867	1	25.08	81052	7.52
					2927		2	50.16	146810	
					2919		3	100.32	292840	
					2756		4	200.64	552971	
					2603		5	501.6	1305449	
					2764		6	1003.2	2772808	
	2	3.63	3.61	3.65	5154	4458	1	25.08	129252	8.99
					4649		2	50.16	233198	
					4474		3	100.32	448787	
					4240		4	200.64	850755	
					4129		5	501.6	2071091	
					4102		6	1003.2	4115227	
	3	3.67	3.65	3.69	8732	7517	1	25.08	218997	9.81
					7867		2	50.16	394627	
					7681		3	100.32	770555	
					7164		4	200.64	1437342	
					6944		5	501.6	3483030	
					6716		6	1003.2	6737008	
	4	3.80	3.78	3.82	10621	9288	1	25.08	266382	8.78
					9622		2	50.16	482645	
					9588		3	100.32	961834	
					8822		4	200.64	1769993	
					8562		5	501.6	4294480	
					8511		6	1003.2	8538307	
	5	3.90	3.88	3.92	6954	6257	1	25.08	174399	6.33
					6324		2	50.16	317228	
					6367		3	100.32	638779	
					6098		4	200.64	1223479	
					5892		5	501.6	2955673	
					5906		6	1003.2	5925330	
	6	4.04	4.02	4.06	13602	12491	1	25.08	341140	4.81
					12356		2	50.16	619763	
					12700		3	100.32	1274061	
					11981		4	200.64	2403907	
					12249		5	501.6	6143921	
					12058		6	1003.2	12096570	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.35	4.33	4.37	11180	10289	1	25.12	280845	4.90
					10604		2	50.24	532754	
					9989		3	100.48	1003697	
					9900		4	251.2	2486973	
					10005		5	502.4	5026358	
					10057		6	1004.8	10105240	
	2	4.41	4.39	4.43	18695	17801	1	25.12	469612	3.33
					18288		2	50.24	918769	
					17449		3	100.48	1753242	
					17064		4	251.2	4286450	
					17589		5	502.4	8836574	
					17725		6	1004.8	17810060	
	3	4.51	4.49	4.53	9486	8311	1	25.12	238292	9.04
					8870		2	50.24	445639	
					8357		3	100.48	839690	
					7622		4	251.2	1914562	
					7931		5	502.4	3984765	
					7598		6	1004.8	7634660	
	4	4.58	4.56	4.60	12510	11739	1	25.12	314257	3.87
					11945		2	50.24	600113	
					11320		3	100.48	1137409	
					11292		4	251.2	2836611	
					11610		5	502.4	5832616	
					11759		6	1004.8	11815160	
	5	4.81	4.79	4.83	8691	8297	1	25.12	218330	2.91
					8247		2	50.24	414320	
					8117		3	100.48	815607	
					8015		4	251.2	2013257	
					8271		5	502.4	4155568	
					8442		6	1004.8	8482696	
	6	4.89	4.87	4.91	14292	13386	1	25.12	359011	3.81
					13561		2	50.24	681293	
					12838		3	100.48	1289986	
					13040		4	251.2	3275558	
					13217		5	502.4	6640278	
					13367		6	1004.8	13431160	

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.51	4.49	4.53	14893	13463	1	25.21	375445	5.49
					13480		2	50.41	679549	
					13245		3	100.82	1335366	
					13208		4	201.64	2663259	
					13198		5	504.1	6653312	
					12755		6	1008.2	12859180	
	2	4.65	4.63	4.67	17152	16262	1	25.21	432394	2.95
					16229		2	50.41	818097	
					15864		3	100.82	1599395	
					16027		4	201.64	3231663	
					16393		5	504.1	8263626	
					15906		6	1008.2	16036070	
	3	4.76	4.74	4.78	14003	13067	1	25.21	353022	3.92
					12566		2	50.41	633448	
					12725		3	100.82	1282937	
					13049		4	201.64	2631284	
					13211		5	504.1	6659815	
					12846		6	1008.2	12951610	
	4	4.89	4.87	4.91	15848	15911	1	25.21	399527	2.95
					15342		2	50.41	773406	
					15470		3	100.82	1559701	
					15935		4	201.64	3213055	
					16566		5	504.1	8350746	
					16303		6	1008.2	16436280	
	5	5.31	5.29	5.33	24692	24780	1	25.21	622488	4.76
					23211		2	50.41	1170080	
					23707		3	100.82	2390138	
					24940		4	201.64	5028864	
					26006		5	504.1	13109840	
					26122		6	1008.2	26336440	
	6	5.58	5.56	5.60	16954	16956	1	25.21	427399	3.10
					16162		2	50.41	814721	
					16610		3	100.82	1674623	
					16984		4	201.64	3424619	
					17594		5	504.1	8869048	
					17432		6	1008.2	17574490	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729901B

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

ICAL Date(s) Analyzed: 10/26/2017 10/27/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.93	4.91	4.95	16269	16269	1	200.4	3260278	.00
	2	5.12	5.10	5.14	16350	16350	1	200.4	3276559	.00
	3	5.31	5.29	5.33	33355	33355	1	200.4	6684280	.00
	4	5.53	5.51	5.55	12514	12514	1	200.4	2507842	.00
	5	5.58	5.56	5.60	21527	21527	1	200.4	4313934	.00
	6	5.95	5.93	5.97	12265	12265	1	200.4	2457906	.00
Aroclor-1268	1	5.53	5.51	5.55	36065	36065	1	201	7249122	.00
	2	5.58	5.56	5.60	37438	37438	1	201	7525004	.00
	3	5.73	5.71	5.75	31759	31759	1	201	6383490	.00
	4	5.80	5.78	5.82	8017	8017	1	201	1611365	.00
	5	5.95	5.93	5.97	12582	12582	1	201	2529013	.00
	6	6.15	6.13	6.17	108088	108088	1	201	21725670	.00

File Name: V:\CP7\07PCBS1729901b.CAL
Version: 8

Creator:
Description:
Reason for change:

Jamie L. Brillhart
Jamie L. Brillhart
Senior Chemist

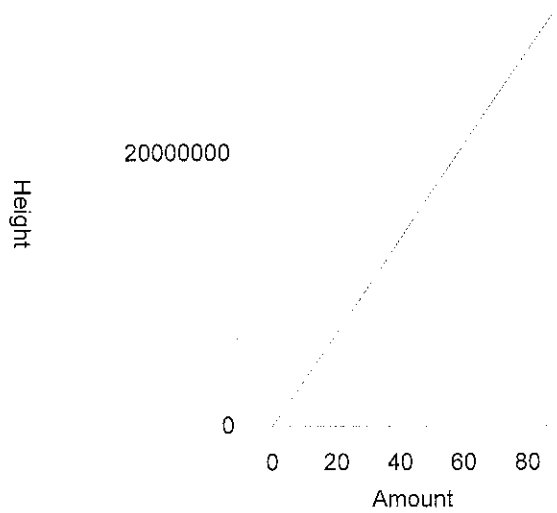
OCT 30 2017

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:	2.746 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

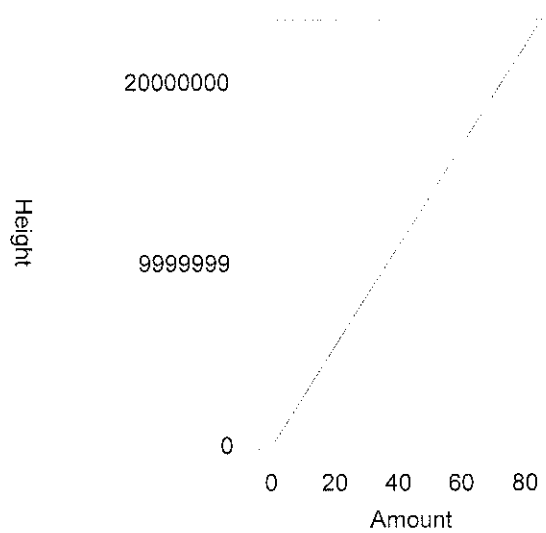
Y = 342327.1 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9972562
Average error:	3.281%
Average CF:	342327.1
RSD:	4.399%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	671653	335826.5	-1.899	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0007.
2	4	1263260	315815	-7.745	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0008.
3	20	6832868	341643.4	-0.200	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0009.
4	40	1.404446E+07	351111.5	2.566	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0010.
5	60.8	2.153643E+07	354217.6	3.473	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0011.
6	80	2.842788E+07	355348.5	3.804	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0012.

2 DCB



Expected retention time:	6.312 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 = 275448 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.996755
Average error:	3.939%
Average CF:	275448
RSD:	5.945%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	619079.7	307999.8	11.818	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(
2	4.02	1102966	274369.7	-0.391	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(
3	20.12	5414737	269122.1	-2.297	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(
4	40.24	1.092049E+07	271383.9	-1.475	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(
5	61.16	1.615698E+07	264175.6	-4.092	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(
6	80.48	2.137844E+07	265636.7	-3.562	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07pcbs17299001B.0(

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

~~1~~ 2855 23Oct17

1242 ~~5~~ ③ 6 pt curve added

files used: 07PCBS17292002.0007 - 13,

old cal: 07PCBS1729201

New cal: 07PCBS1729202

applies to: 07PCBS17292002.0005 - 7

By: [signature]

Jessica L. Miller
Senior Chemist

OCT 23 2017

Audit: [signature]

Kirby B. Turner
Chemist

OCT 24 2017

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F
INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Calibration File: 07PCBS1729202

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

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

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

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

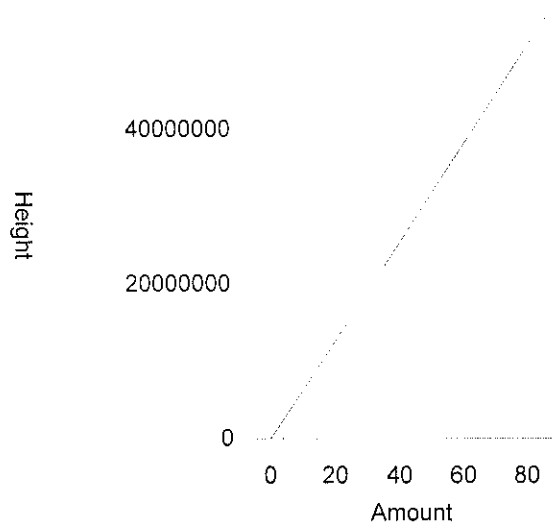
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 3.029 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

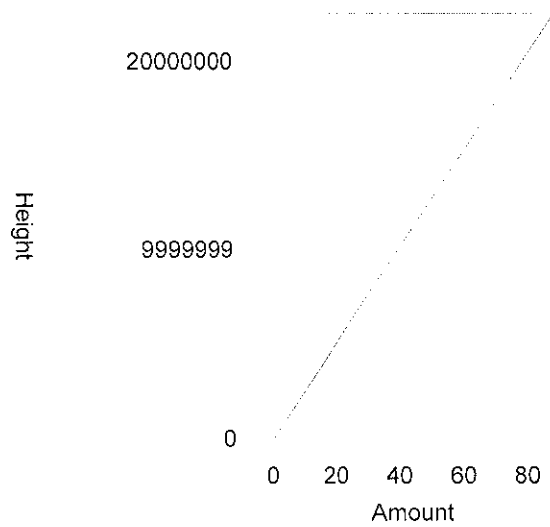
Single peak quantification by height

Y = 634956 X + 0

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

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

2 DCB



Expected retention time:	6.752 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 255225.8 X + 0

Average CF fit with equal weighting, forced to origin

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

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

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Calibration File: 07PCBS1729202B

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

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

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

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

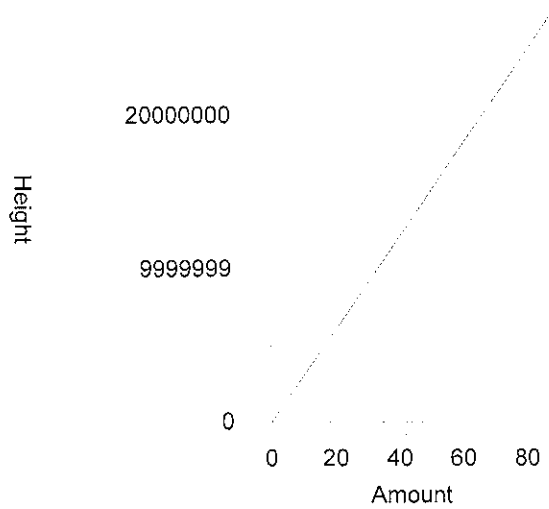
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

1 TCX



Expected retention time: 2.749 minutes
Search window: 0.03 minutes
No retention time reference component
No response proxy component
Group number: 0

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

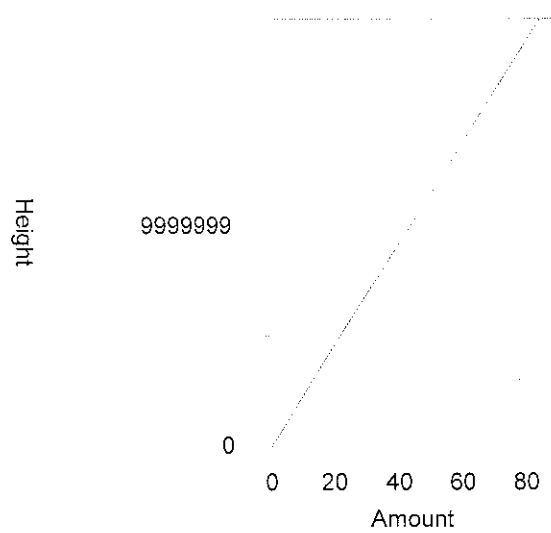
Single peak quantification by height

Y = 303548.4 X + 0

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

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

2 DCB



Expected retention time:	6.32 minutes
Search window:	0.03 minutes
No retention time reference component	
No response proxy component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by height

Y = 230737.8 X + 0

Average CF fit with equal weighting, forced to origin

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

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

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201

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

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201B

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

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201

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

Compounds 8 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201B

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

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201

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

Compounds 8 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

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

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

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

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

Calibration: 07PCBS1729201B

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

Compounds 8 Average of %D: 9

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843A
Date Analyzed: 10/27/17
GC Column (1) : ZB MR1 ID: .32 (mm)
Time Analyzed: 4:57
Lab File ID: 07PCBS17299001.0037.RAW
Initial Calibration: 07PCBS1729901
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/26/17 10/27/17
Calibration: 07PCBS1729901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D	
Tetrachloro-m-xylene	3.03	3.00	3.06	42.22	40.00	6	
Decachlorobiphenyl	6.75	6.72	6.78	40.86	40.24	2	
Aroclor-1016	3.29	3.26	3.30	204.68	201.00	2	
	3.50	3.48	3.52	221.34	201.00	10	
	3.62	3.60	3.64	217.30	201.00	8	
	3.84	3.82	3.86	217.22	201.00	8	
	3.90	3.88	3.92	219.06	201.00	9	
	4.10	4.08	4.12	208.23	201.00	4	
Aroclor-1260	4.90	4.88	4.92	194.80	201.80	-3	
	5.31	5.29	5.33	186.73	201.80	-7	(L)
	5.37	5.35	5.39	199.84	201.80	-1	
	5.54	5.52	5.56	203.71	201.80	1	
	5.77	5.75	5.79	193.81	201.80	-4	
	5.98	5.96	6.00	201.49	201.80	0	

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: 10/27/17
GC Column (2) : ZB MR2 ID: .32 (mm)
Time Analyzed: 4:57
Lab File ID: 07PCBS17299001B.0037.RAW
Initial Calibration: 07PCBS1729901B
Lab Standard ID: IC16XAA
Init. Calib Date(s): 10/26/17 10/27/17
Calibration: 07PCBS1729901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	41.38	40.00	3
Decachlorobiphenyl	6.31	6.28	6.34	40.84	40.24	1
Aroclor-1016	3.03	3.01	3.05	198.11	201.00	-1
	3.37	3.35	3.39	205.62	201.00	2
	3.56	3.54	3.58	203.72	201.00	1
	3.63	3.61	3.65	207.01	201.00	3
	3.69	3.67	3.71	213.56	201.00	6
	3.80	3.78	3.82	200.99	201.00	0
Aroclor-1260	4.51	4.49	4.53	193.10	201.80	-4
	4.65	4.63	4.67	185.50	201.80	-8
	4.76	4.74	4.78	188.56	201.80	-7
	4.89	4.87	4.91	192.94	201.80	-4
	5.31	5.29	5.33	199.47	201.80	-1
	5.58	5.56	5.60	198.43	201.80	-2

Compounds 14
Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/27/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 5:09

Lab File ID: 07PCBS17299001.0038.RAW Initial Calibration: 07PCBS1729901

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	40.05	40.00	0
Decachlorobiphenyl	6.75	6.72	6.78	39.17	40.24	-3
Aroclor-1248	3.84	3.82	3.86	185.47	200.60	-8
	3.90	3.88	3.92	188.10	200.60	-6
	3.97	3.95	3.99	194.53	200.60	-3
	4.10	4.08	4.12	199.21	200.60	-1
	4.19	4.17	4.21	204.46	200.60	2
	4.38	4.36	4.40	197.17	200.60	-2

Compounds 8 Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/27/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 5:09

Lab File ID: 07PCBS17299001B.0038.RAW Initial Calibration: 07PCBS1729901B

Lab Standard ID: IC48XAA Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	39.59	40.00	-1
Decachlorobiphenyl	6.31	6.28	6.34	39.61	40.24	-2
Aroclor-1248	3.56	3.54	3.58	188.46	200.60	-6
	3.63	3.61	3.65	180.93	200.60	-10
	3.67	3.65	3.69	192.19	200.60	-4
	3.80	3.78	3.82	190.76	200.60	-5
	3.90	3.88	3.92	190.43	200.60	-5
	4.04	4.02	4.06	199.85	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: 19843A Date Analyzed: 10/27/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 5:20

Lab File ID: 07PCBS17299001.0039.RAW Initial Calibration: 07PCBS1729901

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	19.65	20.15	-2
Decachlorobiphenyl	6.75	6.72	6.78	19.43	20.19	-4
Aroclor-1254	4.71	4.69	4.73	235.09	250.00	-6
	4.77	4.75	4.79	231.13	250.00	-8
	4.90	4.88	4.92	225.79	250.00	-10
	4.99	4.97	5.01	230.52	250.00	-8
	5.19	5.17	5.21	240.70	250.00	-4
	5.31	5.29	5.33	235.12	250.00	-6

Compounds 8 Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/27/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 5:20

Lab File ID: 07PCBS17299001B.0039.RAW Initial Calibration: 07PCBS1729901B

Lab Standard ID: IC54XAA Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	19.65	20.15	-2
Decachlorobiphenyl	6.31	6.28	6.34	19.04	20.19	-6
Aroclor-1254	4.35	4.33	4.37	226.26	250.00	-9
	4.41	4.39	4.43	224.97	250.00	-10
	4.51	4.49	4.53	220.68	250.00	-12
	4.58	4.56	4.60	228.27	250.00	-9
	4.81	4.79	4.83	234.09	250.00	-6
	4.89	4.87	4.91	235.53	250.00	-6

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: 10/27/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 5:31

Lab File ID: 07PCBS17299001.0040.RAW Initial Calibration: 07PCBS1729901

Lab Standard ID: IC42XAA Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	40.58	40.00	1
Decachlorobiphenyl	6.75	6.72	6.78	38.77	40.24	-4
Aroclor-1242	3.28	3.27	3.31	199.68	200.00	0
	3.50	3.48	3.52	205.53	200.00	3
	3.62	3.60	3.64	205.60	200.00	3
	3.84	3.82	3.86	203.26	200.00	2
	3.90	3.88	3.92	202.45	200.00	1
	4.10	4.08	4.12	203.19	200.00	2

Compounds 8 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories
Contract:
Lab Code:
Case No.:
SAS No.:
SDG No.:
Instrument: 19843B
Date Analyzed: 10/27/17
GC Column (2) : ZB MR2
ID: .32 (mm)
Time Analyzed: 5:31
Lab File ID: 07PCBS17299001B.0040.RAW
Initial Calibration: 07PCBS1729901B
Lab Standard ID: IC42XAA
Init. Calib Date(s): 10/26/17 10/27/17
Calibration: 07PCBS1729901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	39.29	40.00	-2
Decachlorobiphenyl	6.31	6.28	6.34	38.63	40.24	-4
Aroclor-1242	3.03	3.01	3.05	192.70	200.00	-4
	3.37	3.35	3.39	197.91	200.00	-1
	3.56	3.54	3.58	198.50	200.00	-1
	3.63	3.61	3.65	201.78	200.00	1
	3.69	3.67	3.71	190.81	200.00	-5
	3.80	3.78	3.82	196.00	200.00	-2

Compounds 8
Average of %D: 3

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 7:42

Lab File ID: 07PCBS17292003.0065.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	43.82	40.00	10
Decachlorobiphenyl	6.75	6.72	6.78	39.07	40.24	-3
Aroclor-1016	3.29	3.27	3.31	230.32	202.00	14
	3.50	3.48	3.52	226.33	202.00	12
	3.62	3.60	3.64	230.07	202.00	14
	3.84	3.82	3.86	219.93	202.00	9
	3.90	3.88	3.92	212.10	202.00	5
	4.10	4.08	4.12	204.72	202.00	1
Aroclor-1260	4.90	4.88	4.92	190.61	201.64	-5
	5.31	5.29	5.33	189.78	201.64	-6
	5.38	5.36	5.40	188.05	201.64	-7
	5.54	5.52	5.56	192.76	201.64	-4
	5.78	5.76	5.80	186.55	201.64	-7
	5.98	5.96	6.00	189.98	201.64	-6

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 7:42

Lab File ID: 07PCBS17292003B.0065.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.43	40.00	14
Decachlorobiphenyl	6.32	6.29	6.35	40.99	40.24	2
Aroclor-1016	3.03	3.02	3.06	225.85	202.00	12
	3.37	3.35	3.39	225.55	202.00	12
	3.56	3.54	3.58	209.57	202.00	4
	3.64	3.62	3.66	218.02	202.00	8
	3.70	3.68	3.72	240.00	202.00	19
	3.80	3.79	3.83	208.69	202.00	3
Aroclor-1260	4.65	4.64	4.68	192.79	201.64	-4
	4.76	4.75	4.79	205.77	201.64	2
	4.90	4.88	4.92	204.90	201.64	2
	5.13	5.11	5.15	200.53	201.64	-1
	5.32	5.30	5.34	205.20	201.64	2
	5.58	5.56	5.60	207.80	201.64	3

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYM ID: YM **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0066.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 0.220005
%SSR(DCB) : 97% (48-164) Conc.: 0.19505

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**32.79**	
3.27	3.29	3.31	5140.527	0.005133			1
3.60	3.62	3.64	7161.392	0.005967			3
3.82	3.85	3.86	8355.411	0.005978			4
3.88	3.90	3.92	7300.52	0.006246			5
4.08	4.10	4.12	1914.614	0.002206			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.005106**	Linear:			
Aroclor-1221					**2**	**138.99**	
3.22	3.23	3.26	164489.7	0.372079			2
3.27	3.29	3.31	5140.527	0.003227			3
Height Summation:			**169630.227**				
Amount Avg CF:			**0.187653**	Linear:			
Aroclor-1232					**5**	**46.92**	
3.26	3.29	3.30	5140.527	0.004214			1
3.60	3.62	3.64	7161.392	0.012735			3
3.82	3.85	3.86	8355.411	0.012145			4
3.88	3.90	3.92	7300.52	0.014084			5
4.08	4.10	4.12	1914.614	0.005391			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.009713**	Linear:			
Aroclor-1242					**5**	**32.99**	
3.27	3.29	3.31	5140.527	0.005991			1
3.60	3.62	3.64	7161.392	0.007163			3
3.82	3.85	3.86	8355.411	0.006936			4
3.88	3.90	3.92	7300.52	0.008085			5
4.08	4.10	4.12	1914.614	0.002789			6
Height Summation:			**29872.464**				
Amount Avg CF:			**0.006193**	Linear:			
Aroclor-1248					**6**	**62.31**	
3.82	3.85	3.86	8355.411	0.010896			1
3.88	3.90	3.92	7300.52	0.011392			2
3.95	3.97	3.99	1667.919	0.001527			3
4.08	4.10	4.12	1914.614	0.001566			4
4.17	4.19	4.21	10149.88	0.009958			5
4.36	4.38	4.40	8688.782	0.008872			6
Height Summation:			**38077.126**				
Amount Avg CF:			**0.007368**	Linear:			
Aroclor-1254					**4**	**140.22**	
4.69	4.72	4.73	35618.48	0.029788			1
4.76	4.77	4.80	2316.838	0.000977			2
4.97	4.99	5.01	5287.675	0.003419			4
5.17	5.19	5.21	5267.131	0.004356			5
Height Summation:			**48490.124**				
Amount Avg CF:			**0.009635**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0066.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.226695
%SSR(DCB) : 103% (48-164) Conc.: 0.208443

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**31.26**	
3.02	3.03	3.06	4180.926	0.007804			1
3.35	3.37	3.39	7195.061	0.011081			2
3.54	3.57	3.58	3064.441	0.004732			3
3.62	3.64	3.66	7700.539	0.011433			4
3.68	3.68	3.72	4340.244	0.008539			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.008718**	Linear:			
Aroclor-1221					**2**	**138.36**	
2.96	2.97	3.00	87187.38	0.479843			2
3.02	3.03	3.06	4180.926	0.005247			3
Height Summation:			**91368.306**				
Amount Avg CF:			**0.242545**	Linear:			
Aroclor-1232					**5**	**49.99**	
3.02	3.03	3.06	4180.926	0.006635			1
3.35	3.37	3.39	7195.061	0.023823			2
3.54	3.57	3.58	3064.441	0.009928			3
3.62	3.64	3.66	7700.539	0.026211			4
3.68	3.68	3.72	4340.244	0.023112			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.017942**	Linear:			
Aroclor-1242					**5**	**33.00**	
3.02	3.03	3.06	4180.926	0.009072			1
3.35	3.37	3.39	7195.061	0.013105			2
3.54	3.57	3.58	3064.441	0.005375			3
3.62	3.64	3.66	7700.539	0.014101			4
3.68	3.68	3.72	4340.244	0.011005			5
Height Summation:			**26481.211**				
Amount Avg CF:			**0.010532**	Linear:			
Aroclor-1248					**5**	**45.87**	
3.54	3.57	3.58	3064.441	0.009664			1
3.62	3.64	3.66	7700.539	0.02002			2
3.68	3.68	3.72	4340.244	0.007672			3
3.88	3.88	3.92	9114.56	0.01921			5
+ 3.88	3.91	3.92	6470.749	0.013638			5
4.02	4.04	4.06	8783.093	0.008887			6
Height Summation:			**33002.877**				
Amount Avg CF:			**0.013091**	Linear:			
Aroclor-1254					**2**	**82.10**	
+ 4.40	4.40	4.44	3881.293	0.002688			2
4.40	4.44	4.44	4859.408	0.003365			2
4.50	4.52	4.54	8855.561	0.012679			3
Height Summation:			**13714.969**				
Amount Avg CF:			**0.008022**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYM ID: YM **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0066.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**143.93**	
5.36	5.37	5.40	2113.461	0.001789			3
5.52	5.52	5.56	41463.77	0.033919			4
5.96	5.98	6.00	4511.898	0.002524			6
Height Summation:			**48089.129**				
Amount Avg CF:			**0.012744**	Linear:			
Aroclor-1262					**5**	**118.55**	
5.35	5.37	5.39	2113.461	0.001106			1
5.52	5.52	5.56	41463.77	0.025231			2
5.96	5.98	6.00	4511.898	0.002029			4
6.01	6.02	6.05	2364.014	0.002253			5
6.38	6.41	6.42	36036.55	0.031512			6
Height Summation:			**86489.693**				
Amount Avg CF:			**0.012426**	Linear:			
Aroclor-1268					**6**	**162.40**	
5.96	5.98	5.99	4511.898	0.001089			1
6.01	6.02	6.05	2364.014	0.000666			2
6.15	6.17	6.19	90320.52	0.027626			3
6.21	6.23	6.25	132730.8	0.151759			4
6.38	6.41	6.42	36036.55	0.027935			5
6.58	6.61	6.62	58130.25	0.005812			6
Height Summation:			**324094.032**				
Amount Avg CF:			**0.035815**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 07:53:54
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0066.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**20.02**	
4.75	4.76	4.78	7902.812	0.006743			2
5.11	5.13	5.15	4962.125	0.005662			4
5.56	5.58	5.60	6176.018	0.00449			6
Height Summation:			**19040.955**				
Amount Avg CF:			**0.005632**	Linear:			
Aroclor-1262					**4**	**88.91**	
4.91	4.94	4.95	20600.28	0.016284			1
5.11	5.13	5.15	4962.125	0.003737			2
5.56	5.58	5.60	6176.018	0.003594			5
5.94	5.96	5.98	4082.218	0.004318			6
Height Summation:			**35820.641**				
Amount Avg CF:			**0.006983**	Linear:			
Aroclor-1268					**5**	**183.06**	
5.56	5.58	5.60	6176.018	0.002044			2
5.72	5.74	5.76	88612.38	0.034262			3
5.79	5.80	5.82	180697.3	0.267226			4
5.94	5.96	5.98	4082.218	0.003947			5
6.14	6.16	6.18	56934.93	0.006654			6
Height Summation:			**336502.846**				
Amount Avg CF:			**0.062827**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 52.25	4	40	
Aroclor-1221			17	5.1		25.52	3	40	
Aroclor-1232			17	4.1		** 59.51	4	40	
Aroclor-1242			17	4.1		** 51.88	4	40	
Aroclor-1248			17	3.3		** 55.94	4	40	
Aroclor-1254			17	4.4		18.27	4	40	
Aroclor-1260			17	3.9		** 77.41	4	40	
Aroclor-1262			17	3.3		** 56.09	4	40	
Aroclor-1268			17	3.3		** 54.77	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 8:51

Lab File ID: 07PCBS17292003.0071.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	42.77	40.00	7
Decachlorobiphenyl	6.75	6.72	6.78	37.58	40.24	-7
Aroclor-1016	3.28	3.27	3.31	228.19	202.00	13
	3.50	3.48	3.52	221.11	202.00	9
	3.62	3.60	3.64	228.95	202.00	13
	3.84	3.82	3.86	213.95	202.00	6
	3.90	3.88	3.92	209.56	202.00	4
	4.10	4.08	4.12	204.89	202.00	1
Aroclor-1260	4.90	4.88	4.92	193.59	201.64	-4
	5.31	5.29	5.33	189.66	201.64	-6
	5.37	5.36	5.40	186.78	201.64	-7
	5.54	5.52	5.56	188.57	201.64	-6
	5.77	5.76	5.80	180.87	201.64	-10
	5.98	5.96	6.00	187.52	201.64	-7

Compounds 14 Average of %D: 7

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 8:51

Lab File ID: 07PCBS17292003B.0071.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.30	40.00	13
Decachlorobiphenyl	6.32	6.29	6.35	38.77	40.24	-4
Aroclor-1016	3.03	3.02	3.06	222.38	202.00	10
	3.37	3.35	3.39	225.36	202.00	12
	3.56	3.54	3.58	217.41	202.00	8
	3.64	3.62	3.66	215.72	202.00	7
	3.69	3.68	3.72	232.56	202.00	15
	3.80	3.79	3.83	201.19	202.00	0
Aroclor-1260	4.65	4.64	4.68	192.31	201.64	-5
	4.76	4.75	4.79	203.40	201.64	1
	4.89	4.88	4.92	198.25	201.64	-2
	5.12	5.11	5.15	201.28	201.64	0
	5.32	5.30	5.34	201.72	201.64	0
	5.58	5.56	5.60	212.51	201.64	5

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYN ID: YN **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 0.21815
%SSR(DCB) : 88% (48-164) Conc.: 0.178612

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**44.51**	
3.27	3.29	3.31	5294.526	0.005287			1
3.60	3.62	3.64	9079.441	0.007565			3
3.82	3.85	3.86	9764.64	0.006986			4
3.88	3.90	3.92	8412.038	0.007197			5
4.08	4.08	4.12	1248.822	0.001439			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.005695**	Linear:			
Aroclor-1221					**2**	**138.84**	
3.22	3.23	3.26	159532.3	0.360865			2
3.27	3.29	3.31	5294.526	0.003324			3
Height Summation:			**164826.826**				
Amount Avg CF:			**0.182095**	Linear:			
Aroclor-1232					**5**	**58.88**	
3.26	3.29	3.30	5294.526	0.00434			1
3.60	3.62	3.64	9079.441	0.016145			3
3.82	3.85	3.86	9764.64	0.014193			4
3.88	3.90	3.92	8412.038	0.016228			5
4.08	4.08	4.12	1248.822	0.003516			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.010884**	Linear:			
Aroclor-1242					**5**	**44.91**	
3.27	3.29	3.31	5294.526	0.006171			1
3.60	3.62	3.64	9079.441	0.009082			3
3.82	3.85	3.86	9764.64	0.008106			4
3.88	3.90	3.92	8412.038	0.009316			5
4.08	4.08	4.12	1248.822	0.001819			6
Height Summation:			**33799.467**				
Amount Avg CF:			**0.006899**	Linear:			
Aroclor-1248					**5**	**51.79**	
3.82	3.85	3.86	9764.64	0.012733			1
3.88	3.90	3.92	8412.038	0.013126			2
4.08	4.08	4.12	1248.822	0.001022			4
4.17	4.18	4.21	11027.61	0.010819			5
4.36	4.38	4.40	9734.777	0.00994			6
Height Summation:			**40187.887**				
Amount Avg CF:			**0.009528**	Linear:			
Aroclor-1254					**4**	**154.02**	
4.69	4.71	4.73	37249.73	0.031152			1
4.97	4.99	5.01	4725.294	0.003055			4
5.17	5.19	5.21	2130.938	0.001762			5
5.29	5.31	5.33	2621.081	0.001698			6
Height Summation:			**46727.043**				
Amount Avg CF:			**0.009417**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.225263
%SSR(DCB) : 93% (48-164) Conc.: 0.188073

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**35.96**	
3.02	3.03	3.06	4139.832	0.007727			1
3.35	3.37	3.39	8307.964	0.012795			2
3.54	3.57	3.58	3724.069	0.00575			3
3.62	3.64	3.66	8802.494	0.013069			4
3.68	3.68	3.72	3751.235	0.00738			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.009344**	Linear:			
Aroclor-1221					**2**	**138.31**	
2.96	2.97	3.00	84969.14	0.467635			2
3.02	3.03	3.06	4139.832	0.005196			3
Height Summation:			**89108.972**				
Amount Avg CF:			**0.236416**	Linear:			
Aroclor-1232					**5**	**51.77**	
3.02	3.03	3.06	4139.832	0.00657			1
3.35	3.37	3.39	8307.964	0.027508			2
3.54	3.57	3.58	3724.069	0.012065			3
3.62	3.64	3.66	8802.494	0.029962			4
3.68	3.68	3.72	3751.235	0.019975			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.019216**	Linear:			
Aroclor-1242					**5**	**36.95**	
3.02	3.03	3.06	4139.832	0.008982			1
3.35	3.37	3.39	8307.964	0.015132			2
3.54	3.57	3.58	3724.069	0.006532			3
3.62	3.64	3.66	8802.494	0.016118			4
3.68	3.68	3.72	3751.235	0.009512			5
Height Summation:			**28725.594**				
Amount Avg CF:			**0.011255**	Linear:			
Aroclor-1248					**5**	**48.57**	
3.54	3.57	3.58	3724.069	0.011744			1
3.62	3.64	3.66	8802.494	0.022885			2
3.68	3.68	3.72	3751.235	0.006631			3
3.88	3.88	3.92	9891.829	0.020848			5
+ 3.88	3.91	3.92	8194.527	0.017271			5
+ 4.02	4.02	4.06	2647.284	0.002679			6
4.02	4.04	4.06	10171.53	0.010292			6
Height Summation:			**36341.157**				
Amount Avg CF:			**0.01448**	Linear:			
Aroclor-1254					**2**	**68.59**	
4.40	4.44	4.44	5951.59	0.004122			2
4.50	4.52	4.54	8301.443	0.011886			3
Height Summation:			**14253.033**				
Amount Avg CF:			**0.008004**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYN ID: YN **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0072.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**54.39**	
5.29	5.31	5.33	2621.081	0.001123			2
5.36	5.37	5.40	1887.645	0.001598			3
5.96	5.98	6.00	5649.829	0.00316			6
Height Summation:			**10158.555**				
Amount Avg CF:			**0.00196**	Linear:			
Aroclor-1262					**4**	**57.07**	
5.35	5.37	5.39	1887.645	0.000988			1
5.96	5.98	6.00	5649.829	0.00254			4
6.01	6.02	6.05	3783.978	0.003606			5
6.38	6.40	6.42	1483.563	0.001297			6
Height Summation:			**12805.015**				
Amount Avg CF:			**0.002108**	Linear:			
Aroclor-1268					**6**	**196.66**	
5.96	5.98	5.99	5649.829	0.001364			1
6.01	6.02	6.05	3783.978	0.001066			2
6.15	6.17	6.19	99091.1	0.030309			3
6.21	6.23	6.25	166198	0.190024			4
6.38	6.40	6.42	1483.563	0.00115			5
6.58	6.61	6.62	55611.76	0.005561			6
Height Summation:			**331818.23**				
Amount Avg CF:			**0.038246**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:02:38
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0072.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**14.27**	
4.75	4.76	4.78	8169.649	0.006971			2
5.11	5.13	5.15	5312.041	0.006061			4
5.56	5.58	5.60	7200.777	0.005235			6
Height Summation:			**20682.467**				
Amount Avg CF:			**0.006089**	Linear:			
Aroclor-1262					**3**	**11.38**	
4.91	4.94	4.95	4243.577	0.003355			1
5.11	5.13	5.15	5312.041	0.004			2
5.56	5.58	5.60	7200.777	0.00419			5
Height Summation:			**16756.395**				
Amount Avg CF:			**0.003848**	Linear:			
Aroclor-1268					**4**	**158.72**	
5.56	5.58	5.60	7200.777	0.002383			2
5.72	5.74	5.76	89710.98	0.034687			3
5.79	5.80	5.82	154630.1	0.228676			4
6.14	6.16	6.18	55727.55	0.006513			6
Height Summation:			**307269.407**				
Amount Avg CF:			**0.068065**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 48.53	4	40	
Aroclor-1221			17	5.1		25.96	3	40	
Aroclor-1232			17	4.1		** 55.36	4	40	
Aroclor-1242			17	4.1		** 48.00	4	40	
Aroclor-1248			17	3.3		** 41.25	4	40	
Aroclor-1254			17	4.4		16.22	4	40	
Aroclor-1260			17	3.9		** 102.58	4	40	
Aroclor-1262			17	3.3		** 58.44	4	40	
Aroclor-1268			17	3.3		** 56.10	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 13:02

Lab File ID: 07PCBS17292003.0093.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PF Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	44.24	40.00	11
Decachlorobiphenyl	6.75	6.72	6.78	42.15	40.24	5
Aroclor-1016	3.29	3.27	3.31	215.86	202.00	7
	3.50	3.48	3.52	223.60	202.00	11
	3.62	3.60	3.64	223.13	202.00	10
	3.84	3.82	3.86	221.83	202.00	10
	3.90	3.88	3.92	220.51	202.00	9
	4.10	4.08	4.12	211.08	202.00	4
Aroclor-1260	4.90	4.88	4.92	210.22	201.64	4
	5.31	5.29	5.33	205.65	201.64	2
	5.38	5.36	5.40	211.18	201.64	5
	5.54	5.52	5.56	211.92	201.64	5
	5.78	5.76	5.80	207.33	201.64	3
	5.98	5.96	6.00	210.14	201.64	4

Compounds 14 Average of %D: 6

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 13:02

Lab File ID: 07PCBS17292003B.0093.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PF Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	45.82	40.00	15
Decachlorobiphenyl	6.32	6.29	6.35	44.25	40.24	10
Aroclor-1016	3.03	3.02	3.06	215.53	202.00	7
	3.37	3.35	3.39	218.24	202.00	8
	3.56	3.54	3.58	231.96	202.00	15
	3.64	3.62	3.66	226.36	202.00	12
	3.69	3.68	3.72	218.50	202.00	8
	3.80	3.79	3.83	222.16	202.00	10
Aroclor-1260	4.65	4.64	4.68	230.59	201.64	14
	4.76	4.75	4.79	217.92	201.64	8
	4.89	4.88	4.92	223.52	201.64	11
	5.12	5.11	5.15	224.74	201.64	11
	5.32	5.30	5.34	225.86	201.64	12
	5.58	5.56	5.60	236.01	201.64	17

Compounds 14 Average of %D: 11

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYO ID: YO **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0094.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.225631
%SSR(DCB) : 101% (48-164) Conc.: 0.20479

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	51.73	
3.82	3.85	3.86	4908.9	0.003512			4
+ 3.88	3.89	3.92	1627.166	0.001392			5
3.88	3.91	3.92	1906.292	0.001631			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.002571**	Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	168958.1	0.382187			2
Height Summation:			**168958.1**				
Amount Avg CF:			**0.382187**	Linear:			
Aroclor-1232					2	45.22	
3.82	3.85	3.86	4908.9	0.007135			4
+ 3.88	3.89	3.92	1627.166	0.003139			5
3.88	3.91	3.92	1906.292	0.003678			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.005406**	Linear:			
Aroclor-1242					2	44.89	
3.82	3.85	3.86	4908.9	0.004075			4
+ 3.88	3.89	3.92	1627.166	0.001802			5
3.88	3.91	3.92	1906.292	0.002111			5
Height Summation:			**6815.192**				
Amount Avg CF:			**0.003093**	Linear:			
Aroclor-1248					3	75.71	
3.82	3.85	3.86	4908.9	0.006401			1
+ 3.88	3.89	3.92	1627.166	0.002539			2
3.88	3.91	3.92	1906.292	0.002975			2
3.95	3.96	3.99	1271.785	0.001164			3
Height Summation:			**8086.977**				
Amount Avg CF:			**0.003513**	Linear:			
Aroclor-1254					4	82.80	
4.69	4.71	4.73	14544.11	0.012163			1
4.88	4.90	4.92	2916.3	0.00404			3
4.97	4.99	5.01	1880.405	0.001216			4
5.17	5.19	5.21	6128.865	0.005068			5
Height Summation:			**25469.68**				
Amount Avg CF:			**0.005622**	Linear:			
Aroclor-1260					2	46.40	
4.88	4.90	4.92	2916.3	0.001642			1
5.96	5.98	6.00	5801.1	0.003245			6
Height Summation:			**8717.4**				
Amount Avg CF:			**0.002443**	Linear:			
Aroclor-1262					2	26.82	
5.96	5.98	6.00	5801.1	0.002608			4
6.01	6.03	6.05	1864.584	0.001777			5
Height Summation:			**7665.684**				
Amount Avg CF:			**0.002193**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0094.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.228276
%SSR(DCB) : 109% (48-164) Conc.: 0.22

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	12.24	
3.35	3.37	3.39	2512.244	0.003869			2
3.62	3.64	3.66	3099.947	0.004602			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.004236**	Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	88551.35	0.48735			2
Height Summation:			**88551.35**				
Amount Avg CF:			**0.48735**	Linear:			
Aroclor-1232					2	16.74	
3.35	3.37	3.39	2512.244	0.008318			2
3.62	3.64	3.66	3099.947	0.010552			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.009435**	Linear:			
Aroclor-1242					2	15.18	
3.35	3.37	3.39	2512.244	0.004576			2
3.62	3.64	3.66	3099.947	0.005676			4
Height Summation:			**5612.191**				
Amount Avg CF:			**0.005126**	Linear:			
Aroclor-1248					3	51.50	
3.62	3.64	3.66	3099.947	0.008059			2
3.88	3.91	3.92	3041.222	0.00641			5
4.02	4.04	4.06	2391.568	0.00242			6
Height Summation:			**8532.737**				
Amount Avg CF:			**0.00563**	Linear:			
Aroclor-1254					2	1.34	
4.40	4.43	4.44	9984.894	0.006915			2
4.50	4.52	4.54	4922.354	0.007048			3
Height Summation:			**14907.248**				
Amount Avg CF:			**0.006981**	Linear:			
Aroclor-1260					4	44.55	
4.75	4.76	4.78	2503.806	0.002136			2
5.11	5.12	5.15	3734.84	0.004262			4
5.30	5.32	5.34	2971.464	0.001454			5
5.56	5.58	5.60	4236.668	0.00308			6
Height Summation:			**13446.778**				
Amount Avg CF:			**0.002733**	Linear:			
Aroclor-1262					4	34.52	
5.11	5.12	5.15	3734.84	0.002813			2
5.30	5.32	5.34	2971.464	0.001199			3
5.52	5.54	5.56	1722.559	0.001809			4
5.56	5.58	5.60	4236.668	0.002465			5
Height Summation:			**12665.531**				
Amount Avg CF:			**0.002072**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYO ID: YO **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0094.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**163.41**	
5.96	5.98	5.99	5801.1	0.001401			1
6.01	6.03	6.05	1864.584	0.000525			2
6.15	6.17	6.19	118192.4	0.036151			3
6.21	6.23	6.25	127227	0.145466			4
6.58	6.61	6.62	58694.43	0.005869			6

Height Summation: **311779.514**
Amount Avg CF: **0.037882** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 13:14:07
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0094.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**174.80**	
5.52	5.54	5.56	1722.559	0.00058			1
5.56	5.58	5.60	4236.668	0.001402			2
5.72	5.74	5.76	106125.7	0.041033			3
5.79	5.80	5.82	149031.2	0.220396			4
6.14	6.16	6.18	58341.83	0.006819			6

Height Summation: **319457.957**
Amount Avg CF: **0.054046** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 48.90	4	40	
Aroclor-1221			17	5.1		24.19	3	40	
Aroclor-1232			17	4.1		** 54.29	4	40	
Aroclor-1242			17	4.1		** 49.47	4	40	
Aroclor-1248			17	3.3		** 46.29	4	40	
Aroclor-1254			17	4.4		21.57	4	40	
Aroclor-1260			17	3.9		11.19	4	40	
Aroclor-1262			17	3.3		5.68	4	40	
Aroclor-1268			17	3.3		35.17	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/24/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 17:14

Lab File ID: 07PCBS17292003.0115.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164PG Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	44.06	40.00	10
Decachlorobiphenyl	6.75	6.72	6.78	42.44	40.24	5
Aroclor-1016	3.29	3.27	3.31	210.59	202.00	4
	3.50	3.48	3.52	212.79	202.00	5
	3.62	3.60	3.64	208.32	202.00	3
	3.84	3.82	3.86	210.75	202.00	4
	3.90	3.88	3.92	215.74	202.00	7
	4.10	4.08	4.12	215.43	202.00	7
Aroclor-1260	4.90	4.88	4.92	211.82	201.64	5
	5.31	5.29	5.33	198.61	201.64	-2
	5.38	5.36	5.40	207.19	201.64	3
	5.54	5.52	5.56	200.70	201.64	0
	5.78	5.76	5.80	212.11	201.64	5
	5.98	5.96	6.00	207.37	201.64	3

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/24/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 17:14

Lab File ID: 07PCBS17292003B.0115.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164PG Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	44.77	40.00	12
Decachlorobiphenyl	6.32	6.29	6.35	43.87	40.24	9
Aroclor-1016	3.03	3.02	3.06	204.06	202.00	1
	3.37	3.35	3.39	209.20	202.00	4
	3.56	3.54	3.58	213.23	202.00	6
	3.64	3.62	3.66	223.94	202.00	11
	3.69	3.68	3.72	206.80	202.00	2
	3.80	3.79	3.83	215.61	202.00	7
Aroclor-1260	4.65	4.64	4.68	225.03	201.64	12
	4.76	4.75	4.79	215.96	201.64	7
	4.90	4.88	4.92	218.00	201.64	8
	5.12	5.11	5.15	216.30	201.64	7
	5.32	5.30	5.34	222.24	201.64	10
	5.58	5.56	5.60	230.92	201.64	15

Compounds 14 Average of %D: 8

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKYP ID: YP **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 17:26:16
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0116.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 113% (61-152) Conc.: 0.227751
%SSR(DCB) : 102% (48-164) Conc.: 0.205304

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	58.69	
3.48	3.50	3.52	3814.435	0.003665			2
3.82	3.84	3.86	1519.66	0.001087			4
+ 3.82	3.86	3.86	1087.033	0.000778			4
3.88	3.90	3.92	2400.41	0.002054			5
4.08	4.10	4.12	1077.555	0.001242			6
Height Summation:			**8812.06**				
Amount Avg CF:				**0.002012** Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	169035.7	0.382362			2
Height Summation:			**169035.7**				
Amount Avg CF:				**0.382362** Linear:			
Aroclor-1232					4	56.57	
3.48	3.50	3.52	3814.435	0.007898			2
3.82	3.84	3.86	1519.66	0.002209			4
+ 3.88	3.88	3.92	840.5615	0.001622			5
3.88	3.90	3.92	2400.41	0.004631			5
4.08	4.10	4.12	1077.555	0.003034			6
Height Summation:			**8812.06**				
Amount Avg CF:				**0.004443** Linear:			
Aroclor-1242					4	57.56	
3.48	3.50	3.52	3814.435	0.004417			2
3.82	3.84	3.86	1519.66	0.001261			4
3.88	3.90	3.92	2400.41	0.002658			5
4.08	4.10	4.12	1077.555	0.00157			6
Height Summation:			**8812.06**				
Amount Avg CF:				**0.002477** Linear:			
Aroclor-1248					4	54.88	
3.82	3.84	3.86	1519.66	0.001982			1
+ 3.88	3.88	3.92	840.5615	0.001312			2
3.88	3.90	3.92	2400.41	0.003746			2
4.08	4.10	4.12	1077.555	0.000881			4
4.17	4.18	4.21	2055.577	0.002017			5
+ 4.17	4.21	4.21	1189.857	0.001167			5
Height Summation:			**7053.202**				
Amount Avg CF:				**0.002156** Linear:			
Aroclor-1254					5	81.71	
4.69	4.71	4.73	14937.43	0.012492			1
4.88	4.90	4.92	2274.766	0.003151			3
4.97	4.99	5.01	2762.017	0.001786			4
5.17	5.19	5.21	4529.904	0.003746			5
5.29	5.31	5.33	7221.63	0.004679			6
Height Summation:			**31725.747**				
Amount Avg CF:				**0.005171** Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 17:26:16
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0116.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 114% (61-152) Conc.: 0.229153
%SSR(DCB) : 109% (48-164) Conc.: 0.220117

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.35	3.37	3.39	2884.969	0.004443			2
Height Summation:			**2884.969**				
Amount Avg CF:				**0.004443** Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	86759.23	0.477487			2
Height Summation:			**86759.23**				
Amount Avg CF:				**0.477487** Linear:			
Aroclor-1232					1		
3.35	3.37	3.39	2884.969	0.009552			2
Height Summation:			**2884.969**				
Amount Avg CF:				**0.009552** Linear:			
Aroclor-1242					1		
3.35	3.37	3.39	2884.969	0.005255			2
Height Summation:			**2884.969**				
Amount Avg CF:				**0.005255** Linear:			
Aroclor-1248					2	76.74	
3.88	3.91	3.92	4281.541	0.009024			5
4.02	4.04	4.06	2643.843	0.002675			6
Height Summation:			**6925.384**				
Amount Avg CF:				**0.00585** Linear:			
Aroclor-1254					2	23.11	
4.40	4.43	4.44	16100.01	0.01115			2
4.50	4.51	4.54	5599.785	0.008018			3
Height Summation:			**21699.795**				
Amount Avg CF:				**0.009584** Linear:			
Aroclor-1260					4	24.48	
+ 4.75	4.76	4.78	3053.699	0.002606			2
4.75	4.78	4.78	3341.55	0.002851			2
5.11	5.12	5.15	3785.542	0.004319			4
5.30	5.32	5.34	5212.957	0.002551			5
5.56	5.58	5.60	5299.239	0.003852			6
Height Summation:			**17639.288**				
Amount Avg CF:				**0.003394** Linear:			
Aroclor-1262					4	15.56	
4.91	4.93	4.95	3504.057	0.00277			1
5.11	5.12	5.15	3785.542	0.002851			2
5.30	5.32	5.34	5212.957	0.002104			3
5.56	5.58	5.60	5299.239	0.003084			5
Height Summation:			**17801.795**				
Amount Avg CF:				**0.002702** Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX1724B PIBLKYP ID: YP **Batchnumber: 1729599999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 17:26:16
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0116.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**84.38**	
4.88	4.90	4.92	2274.766	0.001281			1
5.29	5.31	5.33	7221.63	0.003094			2
5.36	5.38	5.40	2649.522	0.002242			3
5.52	5.53	5.56	12448.13	0.010183			4
5.96	5.98	6.00	7195.521	0.004025			6
Height Summation:			**31789.569**				
Amount Avg CF:			**0.004165**	Linear:			
Aroclor-1262					**4**	**98.73**	
5.35	5.38	5.39	2649.522	0.001387			1
5.52	5.53	5.56	12448.13	0.007575			2
5.96	5.98	6.00	7195.521	0.003235			4
6.38	6.41	6.42	20685.26	0.018088			6
Height Summation:			**42978.433**				
Amount Avg CF:			**0.007571**	Linear:			
Aroclor-1268					**5**	**150.92**	
5.96	5.98	5.99	7195.521	0.001737			1
6.15	6.17	6.19	106748	0.032651			3
6.21	6.23	6.25	132692.7	0.151716			4
6.38	6.41	6.42	20685.26	0.016035			5
6.58	6.61	6.62	56743.91	0.005674			6
Height Summation:			**324065.391**				
Amount Avg CF:			**0.041562**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 17:26:16
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0116.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**153.91**	
5.56	5.58	5.60	5299.239	0.001754			2
5.72	5.74	5.76	95665.12	0.036989			3
5.79	5.80	5.82	140589.3	0.207912			4
6.14	6.16	6.18	59542.58	0.006959			6
Height Summation:			**301096.239**				
Amount Avg CF:			**0.063403**	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		** 75.33	4	40	
Aroclor-1221			17	5.1		22.13	3	40	
Aroclor-1232			17	4.1		** 73.02	4	40	
Aroclor-1242			17	4.1		** 71.87	4	40	
Aroclor-1248			17	3.3		** 92.26	4	40	
Aroclor-1254			17	4.4		** 59.82	4	40	
Aroclor-1260			17	3.9		20.41	4	40	
Aroclor-1262			17	3.3		** 94.80	4	40	
Aroclor-1268			17	3.3		** 41.62	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: 10/26/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 2:48

Lab File ID: 07PCBS17292005.0024.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164RD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	45.40	40.00	13
Decachlorobiphenyl	6.75	6.72	6.78	42.19	40.24	5
Aroclor-1016	3.28	3.27	3.31	209.37	202.00	4
	3.50	3.48	3.52	217.86	202.00	8
	3.62	3.60	3.64	220.17	202.00	9
	3.84	3.82	3.86	219.48	202.00	9
	3.90	3.88	3.92	216.47	202.00	7
	4.10	4.08	4.12	215.02	202.00	6
Aroclor-1260	4.90	4.88	4.92	208.54	201.64	3
	5.31	5.29	5.33	207.22	201.64	3
	5.37	5.36	5.40	216.77	201.64	8
	5.54	5.52	5.56	210.13	201.64	4
	5.77	5.76	5.80	210.14	201.64	4
	5.98	5.96	6.00	200.80	201.64	0

Compounds 14 Average of %D: 6

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/26/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 2:48

Lab File ID: 07PCBS17292005B.0024.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164RD Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	46.05	40.00	15
Decachlorobiphenyl	6.31	6.29	6.35	43.07	40.24	7
Aroclor-1016	3.03	3.02	3.06	200.28	202.00	-1
	3.37	3.35	3.39	210.63	202.00	4
	3.56	3.54	3.58	226.92	202.00	12
	3.63	3.62	3.66	229.32	202.00	14
	3.69	3.68	3.72	201.11	202.00	0
	3.80	3.79	3.83	230.29	202.00	14
Aroclor-1260	4.65	4.64	4.68	236.37	201.64	17
	4.76	4.75	4.79	203.91	201.64	1
	4.89	4.88	4.92	232.66	201.64	15
	5.12	5.11	5.15	225.04	201.64	12
	5.31	5.30	5.34	233.52	201.64	16
	5.58	5.56	5.60	224.96	201.64	12

Compounds 14 Average of %D: 10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKAV ID: AV **Batchnumber: 1729799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 03:00:07
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0025.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 0.218863
%SSR(DCB) : 103% (48-164) Conc.: 0.208662

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	53.51	
3.82	3.86	3.86	939.6946	0.000672			4
3.88	3.90	3.92	1742.256	0.001491			5
+ 3.88	3.92	3.92	1079.827	0.000924			5
Height Summation:			**2681.9506**				
Amount Avg CF:			**0.001081**	Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	168081.7	0.380204			2
Height Summation:			**168081.7**				
Amount Avg CF:			**0.380204**	Linear:			
Aroclor-1232					2	59.69	
3.82	3.86	3.86	939.6946	0.001366			4
3.88	3.90	3.92	1742.256	0.003361			5
Height Summation:			**2681.9506**				
Amount Avg CF:			**0.002363**	Linear:			
Aroclor-1242					2	59.99	
3.82	3.86	3.86	939.6946	0.00078			4
3.88	3.90	3.92	1742.256	0.00193			5
+ 3.88	3.92	3.92	1079.827	0.001196			5
Height Summation:			**2681.9506**				
Amount Avg CF:			**0.001355**	Linear:			
Aroclor-1248					5	51.52	
3.82	3.86	3.86	939.6946	0.001225			1
3.88	3.90	3.92	1742.256	0.002719			2
3.95	3.97	3.99	1222.613	0.001119			3
4.17	4.21	4.21	4029.813	0.003953			5
4.36	4.39	4.40	3385.904	0.003457			6
Height Summation:			**11320.2806**				
Amount Avg CF:			**0.002495**	Linear:			
Aroclor-1254					6	68.74	
4.69	4.71	4.73	6942.62	0.005806			1
4.76	4.78	4.80	2389.961	0.001008			2
4.88	4.90	4.92	4361.717	0.006043			3
4.97	4.98	5.01	1112.878	0.00072			4
5.17	5.19	5.21	6448.14	0.005332			5
5.29	5.31	5.33	3851.008	0.002495			6
Height Summation:			**25106.324**				
Amount Avg CF:			**0.003567**	Linear:			
Aroclor-1260					5	22.95	
4.88	4.90	4.92	4361.717	0.002455			1
5.29	5.31	5.33	3851.008	0.00165			2
5.52	5.53	5.56	2122.394	0.001736			4
5.76	5.77	5.80	4608.526	0.001585			5
5.96	5.98	6.00	4488.65	0.002511			6
Height Summation:			**19432.295**				
Amount Avg CF:			**0.001987**	Linear:			

Analysis Report (B)

Injected on : Oct 26, 2017 03:00:07
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0025.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 111% (61-152) Conc.: 0.223103
%SSR(DCB) : 105% (48-164) Conc.: 0.212763

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	12.77	
3.35	3.36	3.39	3114.317	0.004796			2
3.62	3.64	3.66	2524.535	0.003748			4
3.68	3.71	3.72	2068.865	0.00407			5
Height Summation:			**7707.717**				
Amount Avg CF:			**0.004205**	Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	85371.42	0.469849			2
Height Summation:			**85371.42**				
Amount Avg CF:			**0.469849**	Linear:			
Aroclor-1232					3	12.50	
3.35	3.36	3.39	3114.317	0.010312			2
3.62	3.64	3.66	2524.535	0.008593			4
3.68	3.71	3.72	2068.865	0.011017			5
Height Summation:			**7707.717**				
Amount Avg CF:			**0.009974**	Linear:			
Aroclor-1242					3	10.19	
3.35	3.36	3.39	3114.317	0.005673			2
3.62	3.64	3.66	2524.535	0.004623			4
3.68	3.71	3.72	2068.865	0.005246			5
Height Summation:			**7707.717**				
Amount Avg CF:			**0.00518**	Linear:			
Aroclor-1248					3	35.65	
3.62	3.64	3.66	2524.535	0.006563			2
3.68	3.71	3.72	2068.865	0.003657			3
3.88	3.91	3.92	1769.129	0.003729			5
Height Summation:			**6362.529**				
Amount Avg CF:			**0.00465**	Linear:			
Aroclor-1254					2	0.78	
4.40	4.42	4.44	3937.402	0.002727			2
4.88	4.89	4.92	2873.98	0.002697			6
Height Summation:			**6811.382**				
Amount Avg CF:			**0.002712**	Linear:			
Aroclor-1260					3	44.43	
4.75	4.78	4.78	4638.905	0.003958			2
4.88	4.89	4.92	2873.98	0.002152			3
5.30	5.31	5.34	3623.773	0.001774			5
Height Summation:			**11136.658**				
Amount Avg CF:			**0.002628**	Linear:			
Aroclor-1262					2	126.97	
5.30	5.31	5.34	3623.773	0.001462			3
5.52	5.55	5.56	25857.41	0.027159			4
Height Summation:			**29481.183**				
Amount Avg CF:			**0.014311**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKAV ID: AV **Batchnumber: 1729799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 03:00:07
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0025.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**37.10**	
5.52	5.53	5.56	2122.394	0.001292			2
5.75	5.77	5.79	4608.526	0.001345			3
5.96	5.98	6.00	4488.65	0.002018			4
6.38	6.41	6.42	3152.489	0.002757			6

Height Summation: **14372.059**
Amount Avg CF: **0.001853** Linear:

Aroclor-1268					**5**	**137.29**	
5.96	5.98	5.99	4488.65	0.001084			1
6.15	6.17	6.19	39002.04	0.011929			3
6.21	6.23	6.25	35143.74	0.040182			4
6.38	6.41	6.42	3152.489	0.002444			5
6.58	6.60	6.62	39233.25	0.003923			6

Height Summation: **121020.169**
Amount Avg CF: **0.011912** Linear:

Analysis Report (B)

Injected on : Oct 26, 2017 03:00:07
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0025.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**101.98**	
5.52	5.55	5.56	25857.41	0.008711			1
5.72	5.73	5.76	35307.28	0.013652			3
5.79	5.80	5.82	30438.11	0.045014			4
6.14	6.15	6.18	40015.71	0.004677			6

Height Summation: **131618.51**
Amount Avg CF: **0.018013** 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		** 118.17	4	40	
Aroclor-1221			17	5.1		21.09	3	40	
Aroclor-1232			17	4.1		** 123.37	4	40	
Aroclor-1242			17	4.1		** 117.08	4	40	
Aroclor-1248			17	3.3		** 60.32	4	40	
Aroclor-1254			17	4.4		27.25	4	40	
Aroclor-1260			17	3.9		27.76	4	40	
Aroclor-1262			17	3.3		** 154.15	4	40	
Aroclor-1268			17	3.3		** 40.77	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843A Date Analyzed: 10/26/17

GC Column (1) : ZB MR1 ID: .32 (mm) Time Analyzed: 7:00

Lab File ID: 07PCBS17292005.0046.RAW Initial Calibration: 07PCBS1729201

Lab Standard ID: AR164RE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	3.03	3.00	3.06	43.26	40.00	8
Decachlorobiphenyl	6.75	6.72	6.78	40.28	40.24	0
Aroclor-1016	3.29	3.27	3.31	205.83	202.00	2
	3.50	3.48	3.52	213.39	202.00	6
	3.62	3.60	3.64	207.33	202.00	3
	3.84	3.82	3.86	205.29	202.00	2
	3.90	3.88	3.92	203.31	202.00	1
	4.10	4.08	4.12	205.32	202.00	2
Aroclor-1260	4.90	4.88	4.92	198.18	201.64	-2
	5.31	5.29	5.33	192.24	201.64	-5
	5.37	5.36	5.40	202.80	201.64	1
	5.54	5.52	5.56	200.23	201.64	-1
	5.77	5.76	5.80	198.94	201.64	-1
	5.98	5.96	6.00	194.40	201.64	-4

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/26/17

GC Column (2) : ZB MR2 ID: .32 (mm) Time Analyzed: 7:00

Lab File ID: 07PCBS17292005B.0046.RAW Initial Calibration: 07PCBS1729201B

Lab Standard ID: AR164RE Init. Calib Date(s): 10/19/17 10/20/17

Calibration: 07PCBS1729202B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	46.29	40.00	16
Decachlorobiphenyl	6.32	6.29	6.35	41.14	40.24	2
Aroclor-1016	3.03	3.02	3.06	204.48	202.00	1
	3.37	3.35	3.39	207.19	202.00	3
	3.56	3.54	3.58	211.98	202.00	5
	3.63	3.62	3.66	219.76	202.00	9
	3.69	3.68	3.72	195.37	202.00	-3
	3.80	3.79	3.83	212.30	202.00	5
Aroclor-1260	4.65	4.64	4.68	217.83	201.64	8
	4.76	4.75	4.79	201.74	201.64	0
	4.89	4.88	4.92	224.57	201.64	11
	5.12	5.11	5.15	213.58	201.64	6
	5.32	5.30	5.34	222.61	201.64	10
	5.58	5.56	5.60	217.57	201.64	8

Compounds 14 Average of %D: 6

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKAW ID: AW **Batchnumber: 1729799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 07:11:46
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0047.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 112% (61-152) Conc.: 0.225804
%SSR(DCB) : 107% (48-164) Conc.: 0.216537

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**35.53**	
3.48	3.48	3.52	2423.592	0.002329			2
3.82	3.86	3.86	1875.059	0.001341			4
+ 3.88	3.89	3.92	1135.39	0.000971			5
3.88	3.91	3.92	1172.497	0.001003			5
4.08	4.10	4.12	1543.473	0.001778			6
Height Summation:			**7014.621**				
Amount Avg CF:			**0.001613**	Linear:			
Aroclor-1221					**1**		
3.22	3.23	3.26	164484.7	0.372068			2
Height Summation:			**164484.7**				
Amount Avg CF:			**0.372068**	Linear:			
Aroclor-1232					**3**	**37.08**	
3.48	3.48	3.52	2423.592	0.005018			2
+ 3.88	3.89	3.92	1135.39	0.00219			5
3.88	3.91	3.92	1172.497	0.002262			5
4.08	4.10	4.12	1543.473	0.004346			6
Height Summation:			**5139.562**				
Amount Avg CF:			**0.003875**	Linear:			
Aroclor-1242					**4**	**34.53**	
3.48	3.48	3.52	2423.592	0.002806			2
3.82	3.86	3.86	1875.059	0.001556			4
+ 3.88	3.89	3.92	1135.39	0.001257			5
3.88	3.91	3.92	1172.497	0.001299			5
4.08	4.10	4.12	1543.473	0.002249			6
Height Summation:			**7014.621**				
Amount Avg CF:			**0.001977**	Linear:			
Aroclor-1248					**4**	**59.20**	
+ 3.88	3.89	3.92	1135.39	0.001772			2
3.88	3.91	3.92	1172.497	0.00183			2
3.95	3.97	3.99	1601.493	0.001466			3
4.08	4.10	4.12	1543.473	0.001263			4
4.36	4.39	4.40	3929.506	0.004013			6
Height Summation:			**8246.969**				
Amount Avg CF:			**0.002143**	Linear:			
Aroclor-1254					**4**	**59.39**	
4.76	4.77	4.80	4754.101	0.002005			2
4.88	4.89	4.92	1300.694	0.001802			3
5.17	5.18	5.21	6992.488	0.005783			5
5.29	5.31	5.33	4333.297	0.002808			6
Height Summation:			**17380.58**				
Amount Avg CF:			**0.003099**	Linear:			

Analysis Report (B)

Injected on : Oct 26, 2017 07:11:46
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0047.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 0.23213
%SSR(DCB) : 113% (48-164) Conc.: 0.22905

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**55.73**	
3.35	3.38	3.39	1411.751	0.002174			2
3.62	3.63	3.66	3369.162	0.005002			4
Height Summation:			**4780.913**				
Amount Avg CF:			**0.003588**	Linear:			
Aroclor-1221					**1**		
2.96	2.97	3.00	87548.43	0.48183			2
Height Summation:			**87548.43**				
Amount Avg CF:			**0.48183**	Linear:			
Aroclor-1232					**2**	**59.52**	
3.35	3.38	3.39	1411.751	0.004674			2
3.62	3.63	3.66	3369.162	0.011468			4
Height Summation:			**4780.913**				
Amount Avg CF:			**0.008071**	Linear:			
Aroclor-1242					**2**	**58.21**	
3.35	3.38	3.39	1411.751	0.002571			2
3.62	3.63	3.66	3369.162	0.006169			4
Height Summation:			**4780.913**				
Amount Avg CF:			**0.00437**	Linear:			
Aroclor-1248					**3**	**76.67**	
3.62	3.63	3.66	3369.162	0.008759			2
3.88	3.91	3.92	2349.363	0.004952			5
4.02	4.02	4.06	1145.489	0.001159			6
Height Summation:			**6864.014**				
Amount Avg CF:			**0.004957**	Linear:			
Aroclor-1254					**4**	**39.23**	
4.40	4.41	4.44	4497.092	0.003114			2
4.50	4.50	4.54	3380.779	0.004841			3
4.57	4.58	4.61	1590.633	0.001778			4
4.88	4.89	4.92	3278.424	0.003077			6
Height Summation:			**12746.928**				
Amount Avg CF:			**0.003202**	Linear:			
Aroclor-1260					**3**	**31.99**	
4.75	4.78	4.78	4864.477	0.004151			2
4.88	4.89	4.92	3278.424	0.002454			3
5.30	5.31	5.34	5085.524	0.002489			5
Height Summation:			**13228.425**				
Amount Avg CF:			**0.003031**	Linear:			
Aroclor-1262					**3**	**124.98**	
5.30	5.31	5.34	5085.524	0.002052			3
5.52	5.55	5.56	20962.94	0.022018			4
5.94	5.95	5.98	2817.157	0.00298			6
Height Summation:			**28865.621**				
Amount Avg CF:			**0.009017**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKAW ID: AW **Batchnumber: 1729799999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 07:11:46
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0047.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**48.25**	
4.88	4.89	4.92	1300.694	0.000732			1
5.29	5.31	5.33	4333.297	0.001856			2
5.52	5.54	5.56	2746.932	0.002247			4
5.96	5.98	6.00	5360.163	0.002998			6
Height Summation:			**13741.086**				
Amount Avg CF:			**0.001958**	Linear:			
Aroclor-1262					**4**	**33.27**	
5.52	5.54	5.56	2746.932	0.001672			2
5.96	5.98	6.00	5360.163	0.00241			4
6.01	6.03	6.05	1715.163	0.001634			5
6.38	6.41	6.42	3666.971	0.003207			6
Height Summation:			**13489.229**				
Amount Avg CF:			**0.002231**	Linear:			
Aroclor-1268					**6**	**162.85**	
5.96	5.98	5.99	5360.163	0.001294			1
6.01	6.03	6.05	1715.163	0.000483			2
6.15	6.17	6.19	50326.81	0.015393			3
6.21	6.23	6.25	50829.68	0.058117			4
6.38	6.41	6.42	3666.971	0.002843			5
6.58	6.61	6.62	43999.09	0.004399			6
Height Summation:			**155897.877**				
Amount Avg CF:			**0.013755**	Linear:			

Analysis Report (B)

Injected on : Oct 26, 2017 07:11:46
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0047.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**132.57**	
5.52	5.55	5.56	20962.94	0.007062			1
5.72	5.73	5.76	45219.12	0.017484			3
5.79	5.80	5.82	43226.25	0.063926			4
5.94	5.95	5.98	2817.157	0.002724			5
6.14	6.15	6.18	45021.46	0.005262			6
Height Summation:			**157246.927**				
Amount Avg CF:			**0.019292**	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		** 75.95	4	40	
Aroclor-1221			17	5.1		25.71	3	40	
Aroclor-1232			17	4.1		** 70.25	4	40	
Aroclor-1242			17	4.1		** 75.39	4	40	
Aroclor-1248			17	3.3		** 79.28	4	40	
Aroclor-1254			17	4.4		3.27	4	40	
Aroclor-1260			17	3.9		** 43.00	4	40	
Aroclor-1262			17	3.3		** 120.67	4	40	
Aroclor-1268			17	3.3		33.51	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: 10/27/17

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

Lab File ID: 07PCBS17299001.0051.RAW Initial Calibration: 07PCBS1729901

Lab Standard ID: AR164RX Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D	
Tetrachloro-m-xylene	3.03	3.00	3.06	40.58	40.00	1	
Decachlorobiphenyl	6.75	6.72	6.78	42.45	40.24	5	
Aroclor-1016	3.28	3.26	3.30	204.22	202.00	1	
	3.50	3.48	3.52	207.21	202.00	3	
	3.62	3.60	3.64	208.42	202.00	3	
	3.84	3.82	3.86	204.91	202.00	1	
	3.90	3.88	3.92	205.89	202.00	2	
	4.10	4.08	4.12	204.51	202.00	1	
Aroclor-1260	4.90	4.88	4.92	207.09	201.64	3	
	5.31	5.29	5.33	197.47	201.64	-2	(L)
	5.37	5.35	5.39	206.15	201.64	2	
	5.54	5.52	5.56	207.83	201.64	3	
	5.77	5.75	5.79	210.14	201.64	4	
	5.98	5.96	6.00	210.55	201.64	4	

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 19843B Date Analyzed: 10/27/17

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

Lab File ID: 07PCBS17299001B.0051.RAW Initial Calibration: 07PCBS1729901B

Lab Standard ID: AR164RX Init. Calib Date(s): 10/26/17 10/27/17

Calibration: 07PCBS1729901B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT (ug/l)	NOM AMOUNT (ug/l)	%D
Tetrachloro-m-xylene	2.75	2.72	2.78	40.70	40.00	2
Decachlorobiphenyl	6.31	6.28	6.34	40.77	40.24	1
Aroclor-1016	3.03	3.01	3.05	199.20	202.00	-1
	3.37	3.35	3.39	198.00	202.00	-2
	3.56	3.54	3.58	198.77	202.00	-2
	3.63	3.61	3.65	199.56	202.00	-1
	3.69	3.67	3.71	197.08	202.00	-2
	3.80	3.78	3.82	195.87	202.00	-3
Aroclor-1260	4.51	4.49	4.53	197.88	201.64	-2
	4.65	4.63	4.67	203.35	201.64	1
	4.76	4.74	4.78	202.41	201.64	0
	4.89	4.87	4.91	198.88	201.64	-1
	5.31	5.29	5.33	205.45	201.64	2
	5.58	5.56	5.60	203.71	201.64	1

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKBS ID: BS **Batchnumber: 1729899999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 27, 2017 07:48:54
Instrument : CP 7--19843A
Result file : 07PCBS17299001.0052.RAW
Calibration file : 07PCBS1729901.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 97% (61-152) Conc.: 0.195709
%SSR(DCB) : 99% (48-164) Conc.: 0.200151

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					3	25.61	
3.48	3.49	3.52	1789.701	0.001594			2
+ 3.88	3.88	3.92	1310.09	0.001017			5
+ 3.88	3.89	3.92	1229.715	0.000955			5
3.88	3.90	3.92	1698.364	0.001319			5
4.08	4.09	4.12	2077.088	0.002169			6
Height Summation:			**5565.153**				
Amount Avg CF:			**0.001694**	Linear:			
Aroclor-1221					1		
3.22	3.23	3.26	164291.4	0.314955			2
Height Summation:			**164291.4**				
Amount Avg CF:			**0.314955**	Linear:			
Aroclor-1232					3	35.49	
3.48	3.49	3.52	1789.701	0.003318			2
+ 3.88	3.88	3.92	1310.09	0.002144			5
+ 3.88	3.89	3.92	1229.715	0.002013			5
3.88	3.90	3.92	1698.364	0.00278			5
4.08	4.09	4.12	2077.088	0.005348			6
Height Summation:			**5565.153**				
Amount Avg CF:			**0.003815**	Linear:			
Aroclor-1242					3	25.27	
3.48	3.49	3.52	1789.701	0.001888			2
+ 3.88	3.88	3.92	1310.09	0.001231			5
+ 3.88	3.89	3.92	1229.715	0.001156			5
3.88	3.90	3.92	1698.364	0.001596			5
4.08	4.09	4.12	2077.088	0.002592			6
Height Summation:			**5565.153**				
Amount Avg CF:			**0.002025**	Linear:			
Aroclor-1248					4	50.57	
+ 3.88	3.88	3.92	1310.09	0.00182			2
+ 3.88	3.89	3.92	1229.715	0.001708			2
3.88	3.90	3.92	1698.364	0.002359			2
3.95	3.98	3.99	1059.32	0.000839			3
4.08	4.09	4.12	2077.088	0.00146			4
4.36	4.39	4.39	3718.082	0.00305			6
Height Summation:			**8552.854**				
Amount Avg CF:			**0.001927**	Linear:			
Aroclor-1254					6	54.25	
4.69	4.71	4.73	6093.319	0.004478			1
4.75	4.76	4.79	2033.967	0.000745			2
4.88	4.90	4.92	4120.07	0.004996			3
4.97	4.98	5.01	2297.535	0.001358			4
5.17	5.18	5.21	5603.626	0.004216			5
5.29	5.31	5.33	6621.546	0.003721			6
Height Summation:			**26770.063**				
Amount Avg CF:			**0.003252**	Linear:			

Analysis Report (B)

Injected on : Oct 27, 2017 07:48:54
Instrument : CP 7--19843B
Result file : 07PCBS17299001B.0052.RAW
Calibration file : 07PCBS1729901B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 0.195219
%SSR(DCB) : 97% (48-164) Conc.: 0.194951

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					1		
3.35	3.38	3.39	2014.994	0.002868			2
Height Summation:			**2014.994**				
Amount Avg CF:			**0.002868**	Linear:			
Aroclor-1221					1		
2.96	2.97	3.00	86699.7	0.410909			2
Height Summation:			**86699.7**				
Amount Avg CF:			**0.410909**	Linear:			
Aroclor-1232					1		
3.35	3.38	3.39	2014.994	0.006023			2
Height Summation:			**2014.994**				
Amount Avg CF:			**0.006023**	Linear:			
Aroclor-1242					1		
3.35	3.38	3.39	2014.994	0.003425			2
Height Summation:			**2014.994**				
Amount Avg CF:			**0.003425**	Linear:			
Aroclor-1248					2	19.32	
3.65	3.66	3.69	1625.502	0.002162			3
3.88	3.91	3.92	1781.251	0.002847			5
Height Summation:			**3406.753**				
Amount Avg CF:			**0.002505**	Linear:			
Aroclor-1254					3	27.38	
4.39	4.41	4.43	4781.811	0.002686			2
4.56	4.59	4.60	1945.969	0.001658			4
4.87	4.89	4.91	2395.159	0.001789			6
Height Summation:			**9122.939**				
Amount Avg CF:			**0.002044**	Linear:			
Aroclor-1260					2	8.52	
4.87	4.89	4.91	2395.159	0.001505			4
5.29	5.31	5.33	3306.564	0.001334			5
Height Summation:			**5701.723**				
Amount Avg CF:			**0.00142**	Linear:			
Aroclor-1262					1		
5.29	5.31	5.33	3306.564	0.000991			3
Height Summation:			**3306.564**				
Amount Avg CF:			**0.000991**	Linear:			
Aroclor-1268					3	115.03	
5.71	5.73	5.75	56280.36	0.017721			3
5.78	5.80	5.82	58746.93	0.07328			4
6.13	6.15	6.17	46934.4	0.004342			6
Height Summation:			**161961.69**				
Amount Avg CF:			**0.031781**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX1724B** PIBLKBS ID: BS **Batchnumber: 1729899999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 27, 2017 07:48:54
Instrument : CP 7--19843A
Result file : 07PCBS17299001.0052.RAW
Calibration file : 07PCBS1729901.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**35.75**	
4.88	4.90	4.92	4120.07	0.002119			1
5.29	5.31	5.33	6621.546	0.002655	L: 17.65233		2
+ 5.52	5.52	5.56	2046.839	0.001527			4
5.52	5.54	5.56	2177.397	0.001624			4
5.75	5.77	5.79	3346.244	0.001001			5
5.96	5.98	6.00	5133.072	0.002716			6

Height Summation: **21398.329**
Amount Avg CF: **0.002023** Linear:

Aroclor-1262					**4**	**38.31**	
+ 5.52	5.52	5.56	2046.839	0.001034			2
5.52	5.54	5.56	2177.397	0.0011			2
5.75	5.77	5.79	3346.244	0.000817			3
5.96	5.98	6.00	5133.072	0.001999			4
6.38	6.40	6.42	2168.698	0.001657			6

Height Summation: **12825.411**
Amount Avg CF: **0.001393** Linear:

Aroclor-1268					**5**	**159.21**	
5.96	5.98	6.00	5133.072	0.001038			1
6.15	6.17	6.19	61277.6	0.016187			3
6.21	6.23	6.25	67956.17	0.071084			4
6.38	6.40	6.42	2168.698	0.001493			5
6.58	6.60	6.62	47874.02	0.004056			6

Height Summation: **184409.56**
Amount Avg CF: **0.018772** Linear:

Analysis Report (B)

Injected on : Oct 27, 2017 07:48:54
Instrument : CP 7--19843B
Result file : 07PCBS17299001B.0052.RAW
Calibration file : 07PCBS1729901B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.3		** 51.46	4	40	
Aroclor-1221			17	5.1		26.44	3	40	
Aroclor-1232			17	4.1		** 44.88	4	40	
Aroclor-1242			17	4.1		** 51.35	4	40	
Aroclor-1248			17	3.3		26.07	4	40	
Aroclor-1254			17	4.4		** 45.61	4	40	
Aroclor-1260			17	3.9		35.03	4	40	
Aroclor-1262			17	3.3		33.70	4	40	
Aroclor-1268			17	3.3		** 51.47	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 07PCBS17292001
Instrument CP 7--19843A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292001.0001	CONDITIONER		10/19/17 19:33	1729199999	1.00
9065	07PCBS17292001.0002	CONDITIONER		10/19/17 19:45	1729199999	1.00
9065	07PCBS17292001.0003	CONDITIONER		10/19/17 19:56	1729199999	1.00
9065	07PCBS17292001.0004	CONDITIONER		10/19/17 20:08	1729199999	1.00
9065	07PCBS17292001.0005	IBLKX1724B	PIBLKAA	10/19/17 20:19	1729199999	10.00
9065	07PCBS17292001.0006	EVALX1724A	EVALXAA	10/19/17 20:30	1729199999	1.00
9065	07PCBS17292001.0007	AR1611724B	AR161AA	10/19/17 20:41	1729199999	1.00
9065	07PCBS17292001.0008	AR1621724B	AR162AA	10/19/17 20:53	1729199999	1.00
9065	07PCBS17292001.0009	AR1631724B	AR163AA	10/19/17 21:04	1729199999	1.00
9065	07PCBS17292001.0010	AR1641724B	AR164AA	10/19/17 21:16	1729199999	1.00
9065	07PCBS17292001.0011	AR1651724B	AR165AA	10/19/17 21:27	1729199999	1.00
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9065	07PCBS17292001.0013	AR4811724C	AR481AA	10/19/17 21:50	1729199999	1.00
9065	07PCBS17292001.0014	AR4821724C	AR482AA	10/19/17 22:01	1729199999	1.00
9065	07PCBS17292001.0015	AR4831724C	AR483AA	10/19/17 22:13	1729199999	1.00
9065	07PCBS17292001.0016	AR4841724C	AR484AA	10/19/17 22:24	1729199999	1.00
9065	07PCBS17292001.0017	AR4851724C	AR485AA	10/19/17 22:36	1729199999	1.00
9065	07PCBS17292001.0018	AR4861724B	AR486AA	10/19/17 22:47	1729199999	1.00
9065	07PCBS17292001.0019	AR5411724C	AR541AA	10/19/17 22:58	1729199999	1.00
9065	07PCBS17292001.0020	AR5421724C	AR542AA	10/19/17 23:10	1729199999	1.00
9065	07PCBS17292001.0021	AR5431724C	AR543AA	10/19/17 23:21	1729199999	1.00
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9065	07PCBS17292001.0023	AR5451724C	AR545AA	10/19/17 23:44	1729199999	1.00
9065	07PCBS17292001.0024	AR5461724B	AR546AA	10/19/17 23:55	1729199999	1.00
9065	07PCBS17292001.0025	AR6231724A	AR623AA	10/20/17 0:07	1729199999	1.00
9065	07PCBS17292001.0026	AR6831724B	AR683AA	10/20/17 0:18	1729199999	1.00
9065	07PCBS17292001.0027	AR2141724A	AR214AA	10/20/17 0:30	1729199999	1.00
9065	07PCBS17292001.0028	AR3241724A	AR324AA	10/20/17 0:41	1729199999	1.00
9065	07PCBS17292001.0029	AR4241724A	AR424AA	10/20/17 0:52	1729199999	1.00
9065	07PCBS17292001.0030	AR16XX1724B	AR16XAA	10/20/17 1:04	1729199999	1.00
9065	07PCBS17292001.0031	MD16X1724B	MD16XAA	10/20/17 1:15	1729199999	1.00
9065	07PCBS17292001.0032	IC16X1724C	IC16XAA	10/20/17 1:27	1729199999	1.00
9065	07PCBS17292001.0033	IC48X1724B	IC48XAA	10/20/17 1:38	1729199999	1.00
9065	07PCBS17292001.0034	IC54X1724B	IC54XAA	10/20/17 1:49	1729199999	1.00
9065	07PCBS17292001.0035	BLANKA 10/19/17 C/	PBLK18291	10/20/17 2:01	172910018A	50.00
9065	07PCBS17292001.0036	LCSA 10/19/17 CAF	LCS18291	10/20/17 2:12	172910018A	50.00
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9065	07PCBS17292001.0038	LCSC 10/19/17 CAF	LCSD18291	10/20/17 2:35	172910018A	50.00
9065	07PCBS17292001.0039	LCSD 10/19/17 CAF	LCSD18291	10/20/17 2:47	172910018A	50.00
9065	07PCBS17292001.0040	9267748 CAF	PIT5O	10/20/17 2:58	172910018A	50.00
9065	07PCBS17292001.0041	9267749 CAF	DAFDW	10/20/17 3:10	172910018A	50.00
9065	07PCBS17292001.0042	9268116 CAF DF5	TB008	10/20/17 3:21	172910018A	250.00
9065	07PCBS17292001.0043	BLANKA 10/19/17 AF	PBLK19291	10/20/17 3:32	172910019A	50.00
9065	07PCBS17292001.0044	BLANKB 10/19/17 AF	PBLK19291	10/20/17 3:44	172910019A	50.00
9065	07PCBS17292001.0045	LOD1 10/19/17 AF		10/20/17 3:55	172910019A	50.00
9065	07PCBS17292001.0046	LOD2 10/19/17 AF		10/20/17 4:07	172910019A	50.00
9065	07PCBS17292001.0047	AR1641724B	AR164NY	10/20/17 4:18	1729199999	1.00
9065	07PCBS17292001.0048	IBLKX1724B	PIBLKWT	10/20/17 4:29	1729199999	10.00

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Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\

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9065	07PCBS17299001.0002	CONDITIONER		10/26/17 22:18	1729899999	1.00
9065	07PCBS17299001.0003	CONDITIONER		10/26/17 22:29	1729899999	1.00
9065	07PCBS17299001.0004	CONDITIONER		10/26/17 22:41	1729899999	1.00
9065	07PCBS17299001.0005	IBLKX1724B	PIBLKAA	10/26/17 22:52	1729899999	10.00
9065	07PCBS17299001.0006	EVALX1724A	EVALXAA	10/26/17 23:04	1729899999	1.00
9065	07PCBS17299001.0007	AR1611724B	AR161AA	10/26/17 23:15	1729899999	1.00
9065	07PCBS17299001.0008	AR1621724B	AR162AA	10/26/17 23:26	1729899999	1.00
9065	07PCBS17299001.0009	AR1631724B	AR163AA	10/26/17 23:38	1729899999	1.00
9065	07PCBS17299001.0010	AR1641724B	AR164AA	10/26/17 23:49	1729899999	1.00
9065	07PCBS17299001.0011	AR1651724B	AR165AA	10/27/17 0:01	1729899999	1.00
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9065	07PCBS17299001.0013	AR4811724C	AR481AA	10/27/17 0:24	1729899999	1.00
9065	07PCBS17299001.0014	AR4821724C	AR482AA	10/27/17 0:35	1729899999	1.00
9065	07PCBS17299001.0015	AR4831724C	AR483AA	10/27/17 0:46	1729899999	1.00
9065	07PCBS17299001.0016	AR4841724C	AR484AA	10/27/17 0:57	1729899999	1.00
9065	07PCBS17299001.0017	AR4851724C	AR485AA	10/27/17 1:09	1729899999	1.00
9065	07PCBS17299001.0018	AR4861724B	AR486AA	10/27/17 1:20	1729899999	1.00
9065	07PCBS17299001.0019	AR5411724C	AR541AA	10/27/17 1:32	1729899999	1.00
9065	07PCBS17299001.0020	AR5421724C	AR542AA	10/27/17 1:43	1729899999	1.00
9065	07PCBS17299001.0021	AR5431724C	AR543AA	10/27/17 1:55	1729899999	1.00
9065	07PCBS17299001.0022	AR5441724C	AR544AA	10/27/17 2:06	1729899999	1.00
9065	07PCBS17299001.0023	AR5451724C	AR545AA	10/27/17 2:17	1729899999	1.00
9065	07PCBS17299001.0024	AR5461724B	AR546AA	10/27/17 2:29	1729899999	1.00
9065	07PCBS17299001.0025	AR4211724A	AR421AA	10/27/17 2:40	1729899999	1.00
9065	07PCBS17299001.0026	AR4221724A	AR422AA	10/27/17 2:52	1729899999	1.00
9065	07PCBS17299001.0027	AR4231724B	AR423AA	10/27/17 3:03	1729899999	1.00
9065	07PCBS17299001.0028	AR4241724A	AR424AA	10/27/17 3:15	1729899999	1.00
9065	07PCBS17299001.0029	AR4251724A	AR425AA	10/27/17 3:26	1729899999	1.00
9065	07PCBS17299001.0030	AR4261724A	AR426AA	10/27/17 3:38	1729899999	1.00
9065	07PCBS17299001.0031	AR6231724A	AR623AA	10/27/17 3:49	1729899999	1.00
9065	07PCBS17299001.0032	AR6831724B	AR683AA	10/27/17 4:00	1729899999	1.00
9065	07PCBS17299001.0033	AR2141724A	AR214AA	10/27/17 4:12	1729899999	1.00
9065	07PCBS17299001.0034	AR3241724A	AR324AA	10/27/17 4:23	1729899999	1.00
9065	07PCBS17299001.0035	AR16XX1724B	AR16XAA	10/27/17 4:34	1729899999	1.00
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9065	07PCBS17299001.0037	IC16X1724C	IC16XAA	10/27/17 4:57	1729899999	1.00
9065	07PCBS17299001.0038	IC48X1724B	IC48XAA	10/27/17 5:09	1729899999	1.00
9065	07PCBS17299001.0039	IC54X1724B	IC54XAA	10/27/17 5:20	1729899999	1.00
9065	07PCBS17299001.0040	IC42X1724B	IC42XAA	10/27/17 5:31	1729899999	1.00
9065	07PCBS17299001.0041	9229556 ACF DF5	04A07	10/27/17 5:43	172860014A	50.00
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9065	07PCBS17299001.0043	9265721 RI CAF	WI323	10/27/17 6:06	172910004A	10.00
9065	07PCBS17299001.0044	9265735 RI CAF	WI337	10/27/17 6:17	172910004A	10.00
9065	07PCBS17299001.0045	9265959 RI CAF	E0411	10/27/17 6:29	172910004A	10.00
9065	07PCBS17299001.0046	9265961 RI CAF	E0413	10/27/17 6:40	172910004A	10.00
9065	07PCBS17299001.0047	9258376 AF	S0101	10/27/17 6:51	172910005A	10.00
9065	07PCBS17299001.0048	9258376 AF DF5	S0101	10/27/17 7:03	172910005A	50.00
9065	07PCBS17299001.0049	9258377 AF	S0102	10/27/17 7:14	172910005A	10.00
9065	07PCBS17299001.0050	9258377 AF DF5	S0102	10/27/17 7:26	172910005A	50.00
9065	07PCBS17299001.0051	AR1641724B	AR164RX	10/27/17 7:37	1729899999	1.00
9065	07PCBS17299001.0052	IBLKX1724B	PIBLKBS	10/27/17 7:48	1729899999	10.00
9065	07PCBS17299001.0053	9229238R RI ACF DF	92A14	10/27/17 8:00	172890027A	500.00
9065	07PCBS17299001.0054	9229238R ACF DF1(	92A14	10/27/17 8:11	172890027A	1,000.00
9065	07PCBS17299001.0055	9229238RDUP RI AC	92A14DUP	10/27/17 8:23	172890027A	500.00
9065	07PCBS17299001.0056	9229238RDUP ACF	92A14DUP	10/27/17 8:34	172890027A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17299001.0057	9229258R RI ACF DF	93A14	10/27/17 8:46	172890027A	500.00
9065	07PCBS17299001.0058	9229258R ACF DF1	(93A14	10/27/17 8:57	172890027A	1,000.00
9065	07PCBS17299001.0059	9229258RDUP RI AC	93A14DUP	10/27/17 9:08	172890027A	500.00
9065	07PCBS17299001.0060	9229258RDUP ACF	93A14DUP	10/27/17 9:20	172890027A	1,000.00
9065	07PCBS17299001.0061	9233689 RI ACF DF5	T331-	10/27/17 9:31	172890027A	5,000.00
9065	07PCBS17299001.0062	9233689 ACF DF10	CT331-	10/27/17 9:43	172890027A	#########
9065	07PCBS17299001.0063	AR1641724B	AR164RY	10/27/17 9:54	1729899999	1.00
9065	07PCBS17299001.0064	IBLKX1724B	PIBLKBT	10/27/17 10:06	1729899999	10.00

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Runlog for 07PCBS17292002
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9065	07PCBS17292002.0002	CONDITIONER		10/22/17 17:26	1729499999	1.00
9065	07PCBS17292002.0003	CONDITIONER		10/22/17 17:38	1729499999	1.00
9065	07PCBS17292002.0004	CONDITIONER		10/22/17 17:49	1729499999	1.00
9065	07PCBS17292002.0005	AR1641724B	AR164OQ	10/22/17 18:00	1729499999	1.00
9065	07PCBS17292002.0006	IBLKX1724B	PIBLKXM	10/22/17 18:12	1729499999	10.00
9065	07PCBS17292002.0007	AR4211724A	AR421AA	10/22/17 18:23	1729499999	1.00
9065	07PCBS17292002.0008	AR4221724A	AR422AA	10/22/17 18:35	1729499999	1.00
9065	07PCBS17292002.0009	AR4231724B	AR423AA	10/22/17 18:46	1729499999	1.00
9065	07PCBS17292002.0010	AR4241724A	AR424AA	10/22/17 18:57	1729499999	1.00
9065	07PCBS17292002.0011	AR4251724A	AR425AA	10/22/17 19:09	1729499999	1.00
9065	07PCBS17292002.0012	AR4261724A	AR426AA	10/22/17 19:20	1729499999	1.00
9065	07PCBS17292002.0013	IC42X1724B	IC42XAA	10/22/17 19:32	1729499999	1.00
9065	07PCBS17292002.0014	AR1641724B	AR164OR	10/22/17 19:43	1729499999	1.00
9065	07PCBS17292002.0015	IBLKX1724B	PIBLKXN	10/22/17 19:55	1729499999	10.00
9065	07PCBS17292002.0016	BLANKA 10/15/17 RI	PBLK17286	10/22/17 20:06	172860017A	2.00
9065	07PCBS17292002.0017	LCSA 10/15/17 RI	CALCS17286	10/22/17 20:18	172860017A	2.00
9065	07PCBS17292002.0018	LCSDA 10/15/17 RI	CLCSD17286	10/22/17 20:29	172860017A	2.00
9065	07PCBS17292002.0019	9232655R RI CAF	--466	10/22/17 20:40	172860017A	2.00
9065	07PCBS17292002.0020	9234362R RI CAF	DSWEC	10/22/17 20:52	172860017A	2.00
9065	07PCBS17292002.0021	9237232R RI CAF	GWEFF	10/22/17 21:03	172860017A	2.00
9065	07PCBS17292002.0022	9239553R RI CAF	471-1	10/22/17 21:15	172860017A	2.00
9065	07PCBS17292002.0023	9261908 RI CAF	SUEFH	10/22/17 21:26	172860017A	2.00
9065	07PCBS17292002.0024	9262220 RI CAF	88881	10/22/17 21:37	172860017A	2.00
9065	07PCBS17292002.0025	9262243 RI CAF	88841	10/22/17 21:49	172860017A	2.00
9065	07PCBS17292002.0026	AR1641724B	AR164OS	10/22/17 22:00	1729499999	1.00
9065	07PCBS17292002.0027	IBLKX1724B	PIBLKXO	10/22/17 22:12	1729499999	10.00
9065	07PCBS17292002.0028	BLANKA 10/14/17 RI	PBLK37285	10/22/17 22:23	172850037A	10.00
9065	07PCBS17292002.0029	LCSA 10/14/17 RI	CALCS37285	10/22/17 22:35	172850037A	10.00
9065	07PCBS17292002.0030	LCSDA 10/14/17 RI	CLCSD37285	10/22/17 22:46	172850037A	10.00
9065	07PCBS17292002.0031	9255920 RI CAF	98518	10/22/17 22:57	172850037A	10.00
9065	07PCBS17292002.0032	9255921 RI CAF	98722	10/22/17 23:09	172850037A	10.00
9065	07PCBS17292002.0033	9257649 RI CAF	QWWST	10/22/17 23:20	172850037A	10.00
9065	07PCBS17292002.0034	9258217 RI CAF	23371	10/22/17 23:32	172850037A	10.00
9065	07PCBS17292002.0035	9259923 RI CAF	11911	10/22/17 23:43	172850037A	10.00
9065	07PCBS17292002.0036	9259925 RI CAF	11913	10/22/17 23:54	172850037A	10.00
9065	07PCBS17292002.0037	BLANKA 10/13/17 RI	PBLK45285	10/23/17 0:06	172850045A	2.00
9065	07PCBS17292002.0038	AR1641724B	AR164OT	10/23/17 0:17	1729499999	1.00
9065	07PCBS17292002.0039	IBLKX1724B	PIBLKXP	10/23/17 0:29	1729499999	10.00
9065	07PCBS17292002.0040	LCSA 10/13/17 RI	CALCS45285	10/23/17 0:40	172850045A	2.00
9065	07PCBS17292002.0041	LCSDA 10/13/17 RI	CLCSD45285	10/23/17 0:52	172850045A	2.00
9065	07PCBS17292002.0042	9256122 RI CAF	M1410	10/23/17 1:03	172850045A	2.00
9065	07PCBS17292002.0043	9256244 RI CAF	17551	10/23/17 1:15	172850045A	2.00
9065	07PCBS17292002.0044	9256344 RI CAF	92852	10/23/17 1:26	172850045A	2.00
9065	07PCBS17292002.0045	CONDITIONER		10/23/17 1:37	1729499999	1.00
9065	07PCBS17292002.0046	9259086 RI CAF	24K02	10/23/17 1:49	172850045A	2.00
9065	07PCBS17292002.0047	9259171 RI CAF	41965	10/23/17 2:00	172850045A	2.00
9065	07PCBS17292002.0048	BLANKA 10/17/17 AF	PBLK15290	10/23/17 2:11	172900015A	2.00
9065	07PCBS17292002.0049	LCSA 10/17/17 AF	LCS15290	10/23/17 2:23	172900015A	2.00
9065	07PCBS17292002.0050	AR1641724B	AR164OU	10/23/17 2:34	1729499999	1.00
9065	07PCBS17292002.0051	IBLKX1724B	PIBLKXQ	10/23/17 2:45	1729499999	10.00
9065	07PCBS17292002.0052	LCSDA 10/17/17 AF	LCSD15290	10/23/17 2:57	172900015A	2.00
9065	07PCBS17292002.0053	9263063 RI AF	GW-EF	10/23/17 3:08	172900015A	2.00
9065	07PCBS17292002.0054	9263377 RI AF	O0307	10/23/17 3:20	172900015A	2.00
9065	07PCBS17292002.0055	9264972 RI AF	SE364	10/23/17 3:31	172900015A	2.00
9065	07PCBS17292002.0056	BLANKA 10/19/17 AF	PBLK16292	10/23/17 3:43	172920016A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292002.0057	LCSA 10/19/17 AF	LCS16292	10/23/17 3:54	172920016A	2.00
9065	07PCBS17292002.0058	LCSDA 10/19/17 AF	LCSD16292	10/23/17 4:05	172920016A	2.00
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9065	07PCBS17292002.0060	9266096 AF	49202	10/23/17 4:28	172920016A	2.00
9065	07PCBS17292002.0061	9266097 AF	49203	10/23/17 4:40	172920016A	2.00
9065	07PCBS17292002.0062	AR1641724B	AR164OV	10/23/17 4:51	1729499999	1.00
9065	07PCBS17292002.0063	IBLKX1724B	PIBLKXR	10/23/17 5:03	1729499999	10.00
9065	07PCBS17292002.0064	9268119 AF	GLBD1	10/23/17 5:14	172920016A	2.00
9065	07PCBS17292002.0065	9268132 AF	94448	10/23/17 5:25	172920016A	2.00
9065	07PCBS17292002.0066	9269964 AF	501-1	10/23/17 5:37	172920016A	2.00
9065	07PCBS17292002.0067	9270404 AF	34081	10/23/17 5:48	172920016A	2.00
9065	07PCBS17292002.0068	BLANKA 10/18/17 AF	PBLK26291	10/23/17 6:00	172910026A	10.00
9065	07PCBS17292002.0069	LCSA 10/18/17 AF	LCS26291	10/23/17 6:11	172910026A	10.00
9065	07PCBS17292002.0070	LCSDA 10/18/17 AF	LCSD26291	10/23/17 6:23	172910026A	10.00
9065	07PCBS17292002.0071	9264840 RI AF	18101	10/23/17 6:34	172910026A	10.00
9065	07PCBS17292002.0072	9265124 RI AF	1BEFF	10/23/17 6:46	172910026A	10.00
9065	07PCBS17292002.0073	9265126 RI AF	1INFC	10/23/17 6:57	172910026A	10.00
9065	07PCBS17292002.0074	AR1641724B	AR164OW	10/23/17 7:08	1729499999	1.00
9065	07PCBS17292002.0075	IBLKX1724B	PIBLKXS	10/23/17 7:20	1729499999	10.00
9065	07PCBS17292002.0076	9266094 RI AF	--494	10/23/17 7:31	172910026A	10.00
9065	07PCBS17292002.0077	AR1641724B	AR164OX	10/23/17 7:43	1729499999	1.00
9065	07PCBS17292002.0078	IBLKX1724B	PIBLKXT	10/23/17 7:54	1729499999	10.00

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9065	07PCBS17292003.0001	CONDITIONER		10/23/17 19:30	1729599999	1.00
9065	07PCBS17292003.0002	CONDITIONER		10/23/17 19:41	1729599999	1.00
9065	07PCBS17292003.0003	CONDITIONER		10/23/17 19:52	1729599999	1.00
9065	07PCBS17292003.0004	CONDITIONER		10/23/17 20:04	1729599999	1.00
9065	07PCBS17292003.0005	AR1641724B	AR164OY	10/23/17 20:15	1729599999	1.00
9065	07PCBS17292003.0006	IBLKX1724B	PIBLKYH	10/23/17 20:27	1729599999	10.00
9065	07PCBS17292003.0007	BLANKA 10/23/17 C/	PBLK25293	10/23/17 20:38	172930025A	2.00
9065	07PCBS17292003.0008	LCSA 10/23/17 CAF	LCS25293	10/23/17 20:49	172930025A	2.00
9065	07PCBS17292003.0009	LCSDA 10/23/17 CA	LCSD25293	10/23/17 21:01	172930025A	2.00
9065	07PCBS17292003.0010	9271960 CAF	MH07P	10/23/17 21:12	172930025A	2.00
9065	07PCBS17292003.0011	9271961 CAF	MH-08	10/23/17 21:24	172930025A	2.00
9065	07PCBS17292003.0012	9271962 CAF	MH-09	10/23/17 21:35	172930025A	2.00
9065	07PCBS17292003.0013	9271963 CAF	MH-10	10/23/17 21:46	172930025A	2.00
9065	07PCBS17292003.0014	9271964 CAF	MH-11	10/23/17 21:58	172930025A	2.00
9065	07PCBS17292003.0015	9271965 CAF	MH-12	10/23/17 22:09	172930025A	2.00
9065	07PCBS17292003.0016	9271966 CAF	MH-13	10/23/17 22:21	172930025A	2.00
9065	07PCBS17292003.0017	AR1641724B	AR164OZ	10/23/17 22:32	1729599999	1.00
9065	07PCBS17292003.0018	IBLKX1724B	PIBLKYI	10/23/17 22:44	1729599999	10.00
9065	07PCBS17292003.0019	9271967 CAF	MH-14	10/23/17 22:55	172930025A	2.00
9065	07PCBS17292003.0020	9271968 CAF	MHEB1	10/23/17 23:06	172930025A	2.00
9065	07PCBS17292003.0021	9271969 CAF	MHEB2	10/23/17 23:18	172930025A	2.00
9065	07PCBS17292003.0022	BLANKA 10/23/17 C/	PBLK24293	10/23/17 23:29	172930024A	2.00
9065	07PCBS17292003.0023	LCSA 10/23/17 CAF	LCS24293	10/23/17 23:41	172930024A	2.00
9065	07PCBS17292003.0024	9271950 CAF	MH-5A	10/23/17 23:52	172930024A	2.00
9065	07PCBS17292003.0025	9271951MS CAF	MH-5A	10/24/17 0:04	172930024A	2.00
9065	07PCBS17292003.0026	9271952MSD CAF	MH-5A	10/24/17 0:15	172930024A	2.00
9065	07PCBS17292003.0027	9271953 CAF	MH5AP	10/24/17 0:27	172930024A	2.00
9065	07PCBS17292003.0028	9271954 CAF	MH-01	10/24/17 0:38	172930024A	2.00
9065	07PCBS17292003.0029	AR1641724B	AR164PA	10/24/17 0:49	1729599999	1.00
9065	07PCBS17292003.0030	IBLKX1724B	PIBLKYJ	10/24/17 1:01	1729599999	10.00
9065	07PCBS17292003.0031	9271955 CAF	MH-02	10/24/17 1:12	172930024A	2.00
9065	07PCBS17292003.0032	9271956 CAF	MH-03	10/24/17 1:24	172930024A	2.00
9065	07PCBS17292003.0033	9271957 CAF	MH-04	10/24/17 1:35	172930024A	2.00
9065	07PCBS17292003.0034	9271958 CAF	MH-06	10/24/17 1:47	172930024A	2.00
9065	07PCBS17292003.0035	9271959 CAF	MH-07	10/24/17 1:58	172930024A	2.00
9065	07PCBS17292003.0036	BLANKA 10/19/17 AF	PBLK16291	10/24/17 2:10	172910016A	5.00
9065	07PCBS17292003.0037	LCSA 10/19/17 AF	LCS16291	10/24/17 2:21	172910016A	5.00
9065	07PCBS17292003.0038	LCSDA 10/19/17 AF	LCSD16291	10/24/17 2:33	172910016A	5.00
9065	07PCBS17292003.0039	8980214 RI AF	4MTH1	10/24/17 2:44	172910016A	5.00
9065	07PCBS17292003.0040	8980215 RI AF	4MTH2	10/24/17 2:55	172910016A	5.00
9065	07PCBS17292003.0041	AR1641724B	AR164PB	10/24/17 3:07	1729599999	1.00
9065	07PCBS17292003.0042	IBLKX1724B	PIBLKYK	10/24/17 3:18	1729599999	10.00
9065	07PCBS17292003.0043	8980216 RI AF	4MTH3	10/24/17 3:30	172910016A	5.00
9065	07PCBS17292003.0044	8980217 RI AF	4MTH4	10/24/17 3:41	172910016A	5.00
9065	07PCBS17292003.0045	BLANKA 10/20/17 AF	PBLK02293	10/24/17 3:53	172930002A	2.00
9065	07PCBS17292003.0046	LCSA 10/20/17 AF	LCS02293	10/24/17 4:04	172930002A	2.00
9065	07PCBS17292003.0047	9267619 RI AF	S124S	10/24/17 4:16	172930002A	2.00
9065	07PCBS17292003.0048	9267620MS AF	S124S	10/24/17 4:27	172930002A	2.00
9065	07PCBS17292003.0049	9267621MSD AF	S124S	10/24/17 4:39	172930002A	2.00
9065	07PCBS17292003.0050	9270449 RI AF	R0904	10/24/17 4:50	172930002A	2.00
9065	07PCBS17292003.0051	9272426 RI AF	M9701	10/24/17 5:01	172930002A	2.00
9065	07PCBS17292003.0052	9272429 RI AF	M9704	10/24/17 5:13	172930002A	2.00
9065	07PCBS17292003.0053	AR1641724B	AR164PC	10/24/17 5:24	1729599999	1.00
9065	07PCBS17292003.0054	IBLKX1724B	PIBLKYL	10/24/17 5:36	1729599999	10.00
9065	07PCBS17292003.0055	9272430 RI AF	M9705	10/24/17 5:47	172930002A	2.00
9065	07PCBS17292003.0056	9272431 RI AF	M9706	10/24/17 5:59	172930002A	2.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292003.0057	BLANKA 10/17/17 AF	PBLK10290	10/24/17 6:10	172900010A	2.00
9065	07PCBS17292003.0058	LCSA 10/17/17 AF	LCS10290	10/24/17 6:22	172900010A	2.00
9065	07PCBS17292003.0059	LCSDA 10/17/17 AF	LCSD10290	10/24/17 6:33	172900010A	2.00
9065	07PCBS17292003.0060	9256033 RI AF	41O18	10/24/17 6:44	172900010A	2.00
9065	07PCBS17292003.0061	9256044 RI AF	42O11	10/24/17 6:56	172900010A	2.00
9065	07PCBS17292003.0062	9265024 RI AF	M9303	10/24/17 7:07	172900010A	2.00
9065	07PCBS17292003.0063	9265025 RI AF	M9304	10/24/17 7:19	172900010A	2.00
9065	07PCBS17292003.0064	9265026 RI AF	M9305	10/24/17 7:30	172900010A	2.00
9065	07PCBS17292003.0065	AR1641724B	AR164PD	10/24/17 7:42	1729599999	1.00
9065	07PCBS17292003.0066	IBLKX1724B	PIBLKYM	10/24/17 7:53	1729599999	10.00
9065	07PCBS17292003.0067	9265027 RI AF	M9306	10/24/17 8:05	172900010A	2.00
9065	07PCBS17292003.0068	9265028 RI AF	M9307	10/24/17 8:16	172900010A	2.00
9065	07PCBS17292003.0069	BLANKA 10/14/17 AC	PBLK14286	10/24/17 8:28	172860014A	10.00
9065	07PCBS17292003.0070	LCSA 10/14/17 ACF	LCS14286	10/24/17 8:39	172860014A	10.00
9065	07PCBS17292003.0071	AR1641724B	AR164PE	10/24/17 8:51	1729599999	1.00
9065	07PCBS17292003.0072	IBLKX1724B	PIBLKYN	10/24/17 9:02	1729599999	10.00
9065	07PCBS17292003.0073	9229546 ACF DF50	03A17	10/24/17 9:14	172860014A	500.00
9065	07PCBS17292003.0074	9229547 ACF DF10	03A18	10/24/17 9:25	172860014A	100.00
9065	07PCBS17292003.0075	9229548 ACF DF20	04A01	10/24/17 9:37	172860014A	200.00
9065	07PCBS17292003.0076	9229550 ACF DF10	04A03	10/24/17 9:48	172860014A	100.00
9065	07PCBS17292003.0077	9229551MS ACF DF	04A03	10/24/17 9:59	172860014A	100.00
9065	07PCBS17292003.0078	9229552MSD ACF D	04A03	10/24/17 10:11	172860014A	100.00
9065	07PCBS17292003.0079	9229553 ACF DF10	04A04	10/24/17 10:22	172860014A	100.00
9065	07PCBS17292003.0080	9229554 ACF DF50	04A05	10/24/17 10:34	172860014A	500.00
9065	07PCBS17292003.0081	9229555 ACF DF5	04A06	10/24/17 10:45	172860014A	50.00
9065	07PCBS17292003.0082	9229556 ACF DF100	04A07	10/24/17 10:57	172860014A	1,000.00
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9065	07PCBS17292003.0084	9229558 ACF DF50	04A09	10/24/17 11:19	172860014A	500.00
9065	07PCBS17292003.0085	9229559 ACF DF20	04A10	10/24/17 11:31	172860014A	200.00
9065	07PCBS17292003.0086	9229560 ACF DF10	04A11	10/24/17 11:42	172860014A	100.00
9065	07PCBS17292003.0087	9229561 ACF DF200	04A12	10/24/17 11:54	172860014A	2,000.00
9065	07PCBS17292003.0088	9239049 ACF DF50	A0901	10/24/17 12:05	172860014A	500.00
9065	07PCBS17292003.0089	9239052 ACF DF100	A0904	10/24/17 12:16	172860014A	1,000.00
9065	07PCBS17292003.0090	9239052 ACF DF200	A0904	10/24/17 12:28	172860014A	2,000.00
9065	07PCBS17292003.0091	9239055 ACF DF20	A0907	10/24/17 12:39	172860014A	200.00
9065	07PCBS17292003.0092	BLANKA 10/17/17 AC	PBLK27289	10/24/17 12:51	172890027A	10.00
9065	07PCBS17292003.0093	AR1641724B	AR164PF	10/24/17 13:02	1729599999	1.00
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9065	07PCBS17292003.0096	9229238R ACF DF10	92A14	10/24/17 13:37	172890027A	100.00
9065	07PCBS17292003.0097	9229238RDUP ACF	92A14DUP	10/24/17 13:48	172890027A	100.00
9065	07PCBS17292003.0098	9229258R ACF DF10	93A14	10/24/17 13:59	172890027A	100.00
9065	07PCBS17292003.0099	9229258RDUP ACF	93A14DUP	10/24/17 14:11	172890027A	100.00
9065	07PCBS17292003.0100	9229259R ACF DF10	93A15	10/24/17 14:22	172890027A	1,000.00
9065	07PCBS17292003.0101	9229259RDUP ACF	93A15DUP	10/24/17 14:34	172890027A	1,000.00
9065	07PCBS17292003.0102	9229549 ACF DF20	04A02	10/24/17 14:45	172890027A	200.00
9065	07PCBS17292003.0103	9233682 ACF DF20	T250-	10/24/17 14:57	172890027A	200.00
9065	07PCBS17292003.0104	9233683 ACF DF20	T250W	10/24/17 15:08	172890027A	200.00
9065	07PCBS17292003.0105	9233684 ACF DF5	T250E	10/24/17 15:20	172890027A	50.00
9065	07PCBS17292003.0106	9233685 ACF DF10	T251-	10/24/17 15:31	172890027A	100.00
9065	07PCBS17292003.0107	9233685MS ACF DF	T251-MS	10/24/17 15:43	172890027A	100.00
9065	07PCBS17292003.0108	9233685MSD ACF D	T251-MSD	10/24/17 15:54	172890027A	100.00
9065	07PCBS17292003.0109	9233686 ACF DF5	T251W	10/24/17 16:06	172890027A	50.00
9065	07PCBS17292003.0110	9233687 ACF DF5	T251E	10/24/17 16:17	172890027A	50.00
9065	07PCBS17292003.0111	9233688 ACF DF20	T251N	10/24/17 16:28	172890027A	200.00
9065	07PCBS17292003.0112	9233689 ACF DF100	T331-	10/24/17 16:40	172890027A	1,000.00
9065	07PCBS17292003.0113	9233689 ACF DF200	T331-	10/24/17 16:51	172890027A	2,000.00
9065	07PCBS17292003.0114	9233690 ACF DF5	T331W	10/24/17 17:03	172890027A	50.00
9065	07PCBS17292003.0115	AR1641724B	AR164PG	10/24/17 17:14	1729599999	1.00
9065	07PCBS17292003.0116	IBLKX1724B	PIBLKYP	10/24/17 17:26	1729599999	10.00
9065	07PCBS17292003.0117	9233691 ACF DF5	T331E	10/24/17 17:37	172890027A	50.00
9065	07PCBS17292003.0118	9233692 ACF DF100	T332-	10/24/17 17:49	172890027A	1,000.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292003.0119	9233692 ACF DF20	CT332-	10/24/17 18:00	172890027A	2,000.00
9065	07PCBS17292003.0120	9233693 ACF DF20	T332W	10/24/17 18:12	172890027A	200.00
9065	07PCBS17292003.0121	AR1641724B	AR164PH	10/24/17 18:23	1729599999	1.00
9065	07PCBS17292003.0122	IBLKX1724B	PIBLKYQ	10/24/17 18:35	1729599999	10.00

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9065	07PCBS17292005.0002	CONDITIONER		10/25/17 22:37	1729799999	1.00
9065	07PCBS17292005.0003	CONDITIONER		10/25/17 22:48	1729799999	1.00
9065	07PCBS17292005.0004	CONDITIONER		10/25/17 23:00	1729799999	1.00
9065	07PCBS17292005.0005	AR1641724B	AR164RB	10/25/17 23:11	1729799999	1.00
9065	07PCBS17292005.0006	IBLKX1724B	PIBLKAT	10/25/17 23:22	1729799999	10.00
9065	07PCBS17292005.0007	AR4241724A	AA	10/25/17 23:34	1729799999	1.00
9065	07PCBS17292005.0008	AR4841724C	AA	10/25/17 23:45	1729799999	1.00
9065	07PCBS17292005.0009	AR5441724C	AA	10/25/17 23:57	1729799999	1.00
9065	07PCBS17292005.0010	BLANKA 10/25/17 A(	PBLK13297	10/26/17 0:08	172970013A	10.00
9065	07PCBS17292005.0011	LCSA 10/25/17 ACF	LCS13297	10/26/17 0:20	172970013A	10.00
9065	07PCBS17292005.0012	AR1641724B	AR164RC	10/26/17 0:31	1729799999	1.00
9065	07PCBS17292005.0013	IBLKX1724B	PIBLKAU	10/26/17 0:43	1729799999	10.00
9065	07PCBS17292005.0014	9262329 RI ACF	KNL03	10/26/17 0:54	172970013A	10.00
9065	07PCBS17292005.0015	9262330 RI ACF	KNL04	10/26/17 1:05	172970013A	10.00
9065	07PCBS17292005.0016	9277819 RI ACF	ACFW1	10/26/17 1:17	172970013A	10.00
9065	07PCBS17292005.0017	9277868 RI ACF	S1105	10/26/17 1:28	172970013A	10.00
9065	07PCBS17292005.0018	9277868 ACF DF5	S1105	10/26/17 1:40	172970013A	50.00
9065	07PCBS17292005.0019	9277868MS ACF	S1105MS	10/26/17 1:51	172970013A	10.00
9065	07PCBS17292005.0020	9277868MS ACF DF	S1105MS	10/26/17 2:03	172970013A	50.00
9065	07PCBS17292005.0021	9277868MSD ACF	S1105MSD	10/26/17 2:14	172970013A	10.00
9065	07PCBS17292005.0022	9277868MSD ACF D	S1105MSD	10/26/17 2:25	172970013A	50.00
9065	07PCBS17292005.0023	9277869 RI ACF	S1106	10/26/17 2:37	172970013A	10.00
9065	07PCBS17292005.0024	AR1641724B	AR164RD	10/26/17 2:48	1729799999	1.00
9065	07PCBS17292005.0025	IBLKX1724B	PIBLKAV	10/26/17 3:00	1729799999	10.00
9065	07PCBS17292005.0026	BLANKA 10/16/17 C	PBLK09286	10/26/17 3:11	172860009A	50.00
9065	07PCBS17292005.0027	LCSA 10/16/17 CAF	LCS09286	10/26/17 3:23	172860009A	50.00
9065	07PCBS17292005.0028	LCSDA 10/16/17 CA	LCSD09286	10/26/17 3:34	172860009A	50.00
9065	07PCBS17292005.0029	9262438 CAF	64E01	10/26/17 3:45	172860009A	50.00
9065	07PCBS17292005.0030	CONDITIONER		10/26/17 3:57	1729799999	1.00
9065	07PCBS17292005.0031	9262438 CAF DF5	64E01	10/26/17 4:08	172860009A	250.00
9065	07PCBS17292005.0032	CONDITIONER		10/26/17 4:20	1729799999	1.00
9065	07PCBS17292005.0033	9262438 CAF DF10	64E01	10/26/17 4:31	172860009A	500.00
9065	07PCBS17292005.0034	CONDITIONER		10/26/17 4:43	1729799999	1.00
9065	07PCBS17292005.0035	BLANKA 10/25/17 C	PBLK25297	10/26/17 4:54	172970025A	2.00
9065	07PCBS17292005.0036	LCSA 10/25/17 CAF	LCS25297	10/26/17 5:06	172970025A	2.00
9065	07PCBS17292005.0037	LCSDA 10/25/17 CA	LCSD25297	10/26/17 5:17	172970025A	2.00
9065	07PCBS17292005.0038	9275758 CAF	875IW	10/26/17 5:28	172970025A	2.00
9065	07PCBS17292005.0039	9276334 CAF	STF01	10/26/17 5:40	172970025A	2.00
9065	07PCBS17292005.0040	9276336 CAF	STF02	10/26/17 5:51	172970025A	2.00
9065	07PCBS17292005.0041	9276338 CAF	STF03	10/26/17 6:03	172970025A	2.00
9065	07PCBS17292005.0042	9276340 CAF	STF04	10/26/17 6:14	172970025A	2.00
9065	07PCBS17292005.0043	9276342 CAF	STF05	10/26/17 6:26	172970025A	2.00
9065	07PCBS17292005.0044	9229561 ACF DF10	04A12	10/26/17 6:37	172860014A	100.00
9065	07PCBS17292005.0045	9229561 ACF DF20	04A12	10/26/17 6:48	172860014A	200.00
9065	07PCBS17292005.0046	AR1641724B	AR164RE	10/26/17 7:00	1729799999	1.00
9065	07PCBS17292005.0047	IBLKX1724B	PIBLKAW	10/26/17 7:11	1729799999	10.00
9065	07PCBS17292005.0048	9229238R ACF DF5	92A14	10/26/17 7:23	172890027A	500.00
9065	07PCBS17292005.0049	9229238RDUP ACF	92A14DUP	10/26/17 7:34	172890027A	500.00
9065	07PCBS17292005.0050	9229258R ACF DF2	93A14	10/26/17 7:46	172890027A	200.00
9065	07PCBS17292005.0051	9229258R ACF DF5	93A14	10/26/17 7:57	172890027A	500.00
9065	07PCBS17292005.0052	9229258RDUP ACF	93A14DUP	10/26/17 8:08	172890027A	200.00
9065	07PCBS17292005.0053	9229258RDUP ACF	93A14DUP	10/26/17 8:20	172890027A	500.00
9065	07PCBS17292005.0054	9229259R ACF DF5	93A15	10/26/17 8:31	172890027A	50.00
9065	07PCBS17292005.0055	9229259R ACF DF1	93A15	10/26/17 8:43	172890027A	100.00
9065	07PCBS17292005.0056	9229259RDUP ACF	93A15DUP	10/26/17 8:54	172890027A	50.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	07PCBS17292005.0057	9229259RDUP ACF	I93A15DUP	10/26/17 9:06	172890027A	100.00
9065	07PCBS17292005.0058	9233689 ACF DF50	CT331-	10/26/17 9:17	172890027A	5,000.00
9065	07PCBS17292005.0059	9233687 RI ACF	T251E	10/26/17 9:28	172890027A	10.00
9065	07PCBS17292005.0060	9233687 RI ACF DF5	T251E	10/26/17 9:40	172890027A	50.00
9065	07PCBS17292005.0061	AR1641724B	AR164RF	10/26/17 9:51	1729799999	1.00
9065	07PCBS17292005.0062	IBLKX1724B	PIBLKAX	10/26/17 10:03	1729799999	10.00
9065	07PCBS17292005.0063	BLANKA 10/19/17 AF	PBLK05291	10/26/17 10:14	172910005A	10.00
9065	07PCBS17292005.0064	LCSA 10/19/17 AF	LCS05291	10/26/17 10:26	172910005A	10.00
9065	07PCBS17292005.0065	LCSDA 10/19/17 AF	LCSD05291	10/26/17 10:37	172910005A	10.00
9065	07PCBS17292005.0066	9258376 AF DF20	S0101	10/26/17 10:49	172910005A	200.00
9065	07PCBS17292005.0067	9258377 AF DF20	S0102	10/26/17 11:00	172910005A	200.00
9065	07PCBS17292005.0068	BLANKA 10/18/17 C	PBLK04291	10/26/17 11:12	172910004A	10.00
9065	07PCBS17292005.0069	LCSA 10/18/17 CAF	LCS04291	10/26/17 11:23	172910004A	10.00
9065	07PCBS17292005.0070	AR1641724B	AR164RG	10/26/17 11:35	1729799999	1.00
9065	07PCBS17292005.0071	IBLKX1724B	PIBLKAY	10/26/17 11:46	1729799999	10.00
9065	07PCBS17292005.0072	9265721 CAF DF5	WI323	10/26/17 11:57	172910004A	50.00
9065	07PCBS17292005.0073	9265723 RI CAF	WI325	10/26/17 12:09	172910004A	10.00
9065	07PCBS17292005.0074	9265725 RI CAF	WI327	10/26/17 12:20	172910004A	10.00
9065	07PCBS17292005.0075	9265725 CAF DF5	WI327	10/26/17 12:32	172910004A	50.00
9065	07PCBS17292005.0076	9265727 RI CAF	WI329	10/26/17 12:43	172910004A	10.00
9065	07PCBS17292005.0077	9265729 RI CAF	WI331	10/26/17 12:55	172910004A	10.00
9065	07PCBS17292005.0078	9265731 RI CAF	WI333	10/26/17 13:06	172910004A	10.00
9065	07PCBS17292005.0079	9265733 CAF DF10	WI335	10/26/17 13:18	172910004A	100.00
9065	07PCBS17292005.0080	9265735 CAF DF5	WI337	10/26/17 13:29	172910004A	50.00
9065	07PCBS17292005.0081	9265737 RI CAF	WI339	10/26/17 13:40	172910004A	10.00
9065	07PCBS17292005.0082	AR1641724B	AR164RH	10/26/17 13:52	1729799999	1.00
9065	07PCBS17292005.0083	IBLKX1724B	PIBLKAZ	10/26/17 14:03	1729799999	10.00
9065	07PCBS17292005.0084	9265739 RI CAF	WI341	10/26/17 14:15	172910004A	10.00
9065	07PCBS17292005.0085	9265741 RI CAF	WI343	10/26/17 14:26	172910004A	10.00
9065	07PCBS17292005.0086	9265741 CAF DF5	WI343	10/26/17 14:38	172910004A	50.00
9065	07PCBS17292005.0087	9265743 RI CAF	WI345	10/26/17 14:49	172910004A	10.00
9065	07PCBS17292005.0088	9265743 CAF DF5	WI345	10/26/17 15:01	172910004A	50.00
9065	07PCBS17292005.0089	9265949 RI CAF	E0401	10/26/17 15:12	172910004A	10.00
9065	07PCBS17292005.0090	9265949 CAF DF5	E0401	10/26/17 15:23	172910004A	50.00
9065	07PCBS17292005.0091	9265951 RI CAF	E0403	10/26/17 15:35	172910004A	10.00
9065	07PCBS17292005.0092	9265953 RI CAF	E0405	10/26/17 15:46	172910004A	10.00
9065	07PCBS17292005.0093	9265955 RI CAF	E0407	10/26/17 15:58	172910004A	10.00
9065	07PCBS17292005.0094	AR1641724B	AR164RI	10/26/17 16:09	1729799999	1.00
9065	07PCBS17292005.0095	IBLKX1724B	PIBLKBA	10/26/17 16:21	1729799999	10.00
9065	07PCBS17292005.0096	9265957 RI CAF	E0409	10/26/17 16:32	172910004A	10.00
9065	07PCBS17292005.0097	9265959 CAF DF5	E0411	10/26/17 16:43	172910004A	50.00
9065	07PCBS17292005.0098	9265961 CAF DF5	E0413	10/26/17 16:55	172910004A	50.00
9065	07PCBS17292005.0099	9266015 RI CAF	E0525	10/26/17 17:06	172910004A	10.00
9065	07PCBS17292005.0100	9266015 CAF DF5	E0525	10/26/17 17:18	172910004A	50.00
9065	07PCBS17292005.0101	9266016MS CAF	E0525	10/26/17 17:29	172910004A	10.00
9065	07PCBS17292005.0102	9266016MS CAF DF	E0525	10/26/17 17:41	172910004A	50.00
9065	07PCBS17292005.0103	9266017MSD CAF	E0525	10/26/17 17:52	172910004A	10.00
9065	07PCBS17292005.0104	9266017MSD CAF D	E0525	10/26/17 18:04	172910004A	50.00
9065	07PCBS17292005.0105	AR1641724B	AR164RJ	10/26/17 18:15	1729799999	1.00
9065	07PCBS17292005.0106	IBLKX1724B	PIBLKBB	10/26/17 18:26	1729799999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATH04

Fraction: Polychlorinated Biphenyls (PCBs)

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

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229548 ACF DF20 04A01 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.21 g Total Volume: 200 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 09:37:06
Instrument	19843A
Result file	07PCBS17292003.0075.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 66% (61 - 152) Conc: 19.82213

%SSR(DCB) 94% (48 - 164) Conc: 25.05535

Analysis Report (B)

Injected on	Oct 24, 2017 09:37:06
Instrument	19843B
Result file	07PCBS17292003B.0075.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 81% (61 - 152) Conc: 24.24167

%SSR(DCB) 85% (48 - 164) Conc: 22.5257

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	642525	19.82213
Decachlorobiphenyl	6.72	6.76	6.78	326453	25.05535

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	375652	24.24167
Decachlorobiphenyl	6.29	6.32	6.35	265334	22.5257

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
	Tetrachloro-m-xylene	B	24.24167				20.06	
✓	Tetrachloro-m-xylene-D1	A	19.82213					
✓	Tetrachloro-m-xylene-D2	B	24.24167					
	Decachlorobiphenyl	A	25.05535				10.63	
✓	Decachlorobiphenyl-D1	A	25.05535					
✓	Decachlorobiphenyl-D2	B	22.5257					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.98**	
4.88	4.90	4.92	4371556	4820.431724			1
5.29	5.31	5.33	6443556	5406.912482			2
5.36	5.38	5.40	2937584	4870.254766			3
5.52	5.54	5.56	3132012	5018.778359			4
5.76	5.78	5.80	8560366	5766.062845			5
5.96	5.98	6.00	4667768	5114.7544			6

Height summation: **30112842**

Concentration CF: **5166.199096** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**8.41**	
4.64	4.66	4.68	3520281	5115.524638			1
4.75	4.76	4.78	2660954	4447.774754			2
4.88	4.90	4.92	3721020	5456.881817			3
5.11	5.13	5.15	1963249	4388.05647			4
5.30	5.32	5.34	5179222	4965.529915			5
5.56	5.58	5.60	3344701	4762.75569			6

Height summation: **20389427**

Concentration CF: **4856.087214** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<999.0206	<193.9275	D1		4	
✓	PCB-1221			<999.0206	<299.7062	D1		3	
✓	PCB-1232			<999.0206	<240.9403	D1		4	
✓	PCB-1242			<999.0206	<240.9403	D1		4	
✓	PCB-1248			<999.0206	<193.9275	D1		4	
✓	PCB-1254			<999.0206	<258.57	D1		4	
✓	PCB-1260	A	5166.199096	999.0206	229.1871	D1	6.19	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:56

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229548** ACF DF20 04A01 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.21 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

1260
1505

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 66% (61-152) Conc.: 19.82213
%SSR(DCB) : 94% (48-164) Conc.: 25.05535

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	96.56	
3.27	3.28	3.31	14196.83	27.768102			1
3.48	3.50	3.52	44122.57	83.044522			2
+ 3.48	3.52	3.52	24160.5	45.473262			2
3.60	3.62	3.64	24666.79	40.261561			3
3.82	3.85	3.86	111148.5	155.768575			4
3.88	3.90	3.92	100359.3	168.196124			5
+ 4.08	4.08	4.12	8025.965	18.114596			6
4.08	4.10	4.12	184667.5	416.794389			6
Height Summation:			**479161.49**				
Amount Avg CF:			**148.638879**	Linear:			
Aroclor-1221					3	55.66	
+ 3.16	3.18	3.20	16280.39	62.192421			1
3.16	3.20	3.20	17257.72	65.925902			1
3.22	3.22	3.26	14162.64	62.754545			2
+ 3.22	3.24	3.26	13876.5	61.486661			2
3.27	3.28	3.31	14196.83	17.458841			3
Height Summation:			**45617.19**				
Amount Avg CF:			**48.713096**	Linear:			
Aroclor-1232					6	108.34	
3.26	3.28	3.30	14196.83	22.794559			1
+ 3.48	3.48	3.52	15774	63.976236			2
3.48	3.50	3.52	44122.57	178.952449			2
3.60	3.62	3.64	24666.79	85.922853			3
3.82	3.85	3.86	111148.5	316.466627			4
3.88	3.90	3.92	100359.3	379.250608			5
+ 4.08	4.08	4.12	8025.965	44.264556			6
4.08	4.10	4.12	184667.5	1018.472523			6
Height Summation:			**479161.49**				
Amount Avg CF:			**333.64327**	Linear:			
Aroclor-1242					6	99.18	
3.27	3.28	3.31	14196.83	32.411695			1
3.48	3.50	3.52	44122.57	100.080424			2
+ 3.48	3.52	3.52	24160.5	54.801728			2
3.60	3.62	3.64	24666.79	48.330389			3
3.82	3.85	3.86	111148.5	180.733125			4
3.88	3.90	3.92	100359.3	217.718237			5
+ 4.08	4.08	4.12	8025.965	22.903369			6
4.08	4.10	4.12	184667.5	526.97812			6
Height Summation:			**479161.49**				
Amount Avg CF:			**184.375332**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 81% (61-152) Conc.: 24.24167
%SSR(DCB) : 85% (48-164) Conc.: 22.5257

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	78.38	
3.02	3.05	3.06	163623.6	598.27589			1
3.35	3.37	3.39	32750.44	98.798909			2
+ 3.54	3.55	3.58	5739.224	17.359762			3
3.54	3.56	3.58	42056.42	127.210479			3
3.62	3.64	3.66	65052.32	189.190016			4
3.68	3.70	3.72	226044.3	871.161266			5
3.79	3.80	3.83	138453	480.149322			6
Height Summation:			**667980.08**				
Amount Avg CF:			**394.13098**	Linear:			
Aroclor-1221					3	100.53	
2.90	2.92	2.94	9358.222	58.313047			1
2.96	2.97	3.00	9251.947	99.7432			2
3.02	3.05	3.06	163623.6	402.281158			3
Height Summation:			**182233.769**				
Amount Avg CF:			**186.779135**	Linear:			
Aroclor-1232					6	99.98	
3.02	3.05	3.06	163623.6	508.632563			1
3.35	3.37	3.39	32750.44	212.417394			2
+ 3.54	3.55	3.58	5739.224	36.423288			3
3.54	3.56	3.58	42056.42	266.905965			3
3.62	3.64	3.66	65052.32	433.741839			4
3.68	3.70	3.72	226044.3	2357.866911			5
3.79	3.80	3.83	138453	1181.504197			6
Height Summation:			**667980.08**				
Amount Avg CF:			**826.844811**	Linear:			
Aroclor-1242					6	81.56	
3.02	3.05	3.06	163623.6	695.446209			1
3.35	3.37	3.39	32750.44	116.851324			2
+ 3.54	3.55	3.58	5739.224	19.719645			3
3.54	3.56	3.58	42056.42	144.503449			3
3.62	3.64	3.66	65052.32	233.336262			4
3.68	3.70	3.72	226044.3	1122.755873			5
3.79	3.80	3.83	138453	584.755411			6
Height Summation:			**667980.08**				
Amount Avg CF:			**482.941421**	Linear:			
Aroclor-1248					6	96.40	
+ 3.54	3.55	3.58	5739.224	35.452546			1
3.54	3.56	3.58	42056.42	259.792466			1
3.62	3.64	3.66	65052.32	331.293199			2
3.68	3.70	3.72	226044.3	782.70385			3
3.79	3.80	3.83	138453	345.646417			4
3.88	3.88	3.92	80133.02	330.831931			5
+ 3.88	3.90	3.92	48558.21	200.474241			5
4.02	4.04	4.06	953678.8	1890.280417			6
Height Summation:			**1505417.86**				
Amount Avg CF:			**656.758047**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229548** ACF DF20 04A01 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.21 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**121.92**	
3.82	3.85	3.86	111148.5	283.921048			1
3.88	3.90	3.92	100359.3	306.754176			2
3.95	3.98	3.99	314585.1	564.087346			3
+ 4.08	4.08	4.12	8025.965	12.860219			4
4.08	4.10	4.12	184667.5	295.897687			4
4.17	4.19	4.21	177494.4	341.100919			5
4.36	4.36	4.40	1228802	2457.920431			6
+ 4.36	4.38	4.40	155104.4	310.248741			6
Height Summation:			**2117056.8**				
Amount Avg CF:			**708.280268**	Linear:			
Aroclor-1254					**6**	**97.40**	
4.69	4.71	4.73	418502.8	685.595704			1
4.76	4.78	4.80	1695346	1400.921939			2
4.88	4.90	4.92	4371556	11863.40111			3
4.97	4.99	5.01	1020988	1293.184415			4
5.17	5.20	5.21	2724548	4413.5757			5
5.29	5.31	5.33	6443556	8177.937568			6
Height Summation:			**16674496.8**				
Amount Avg CF:			**4639.102739**	Linear:			
Aroclor-1260					**6**	**6.98**	
4.88	4.90	4.92	4371556	4820.431724			1
5.29	5.31	5.33	6443556	5406.912482			2
5.36	5.38	5.40	2937584	4870.254766			3
5.52	5.54	5.56	3132012	5018.778359			4
5.76	5.78	5.80	8560366	5766.062845			5
5.96	5.98	6.00	4667768	5114.7544			6
Height Summation:			**30112842**				
Amount Avg CF:			**5166.199096**	Linear:			
Aroclor-1262					**6**	**37.45**	
+ 5.35	5.35	5.39	142299.5	145.925096			1
5.35	5.38	5.39	2937584	3012.429606			1
+ 5.52	5.52	5.56	487976	581.66899			2
5.52	5.54	5.56	3132012	3733.368559			2
E 5.75	5.78	5.79	8560366	4892.318316			3
E 5.96	5.98	6.00	4667768	4111.389785			4
+ 6.01	6.02	6.05	181918.3	339.584185			5
6.01	6.04	6.05	680046.1	1269.431939			5
6.38	6.41	6.42	1699626	2911.325813			6
Height Summation:			**21677402.1**				
Amount Avg CF:			**3321.71067**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**95.66**	
4.34	4.35	4.38	447753.8	1054.351494			1
+ 4.40	4.40	4.44	182742	247.90629			2
+ 4.40	4.42	4.44	375677.2	509.640592			2
4.40	4.43	4.44	552042.2	748.895897			2
4.50	4.51	4.54	2812100	7886.989459			3
4.57	4.59	4.61	465763	1019.873223			4
4.64	4.66	4.68	3520281	12121.820587			5
4.88	4.90	4.92	3721020	6840.273355			6
Height Summation:			**11518960**				
Amount Avg CF:			**4945.367336**	Linear:			
Aroclor-1260					**6**	**8.41**	
4.64	4.66	4.68	3520281	5115.524638			1
4.75	4.76	4.78	2660954	4447.774754			2
4.88	4.90	4.92	3721020	5456.881817			3
5.11	5.13	5.15	1963249	4388.05647			4
5.30	5.32	5.34	5179222	4965.529915			5
5.56	5.58	5.60	3344701	4762.75569			6
Height Summation:			**20389427**				
Amount Avg CF:			**4856.087214**	Linear:			
Aroclor-1262					**6**	**32.75**	
4.91	4.93	4.95	1449064	2243.820598			1
5.11	5.13	5.15	1963249	2896.019176			2
E 5.30	5.32	5.34	5179222	4094.148943			3
5.52	5.54	5.56	829930.6	1707.566024			4
5.56	5.58	5.60	3344701	3812.678107			5
5.94	5.96	5.98	1147740	2378.310731			6
Height Summation:			**13913906.6**				
Amount Avg CF:			**2855.42393**	Linear:			
Aroclor-1268					**6**	**123.88**	
5.52	5.54	5.56	829930.6	547.702401			1
5.56	5.58	5.60	3344701	2168.318525			2
5.72	5.74	5.76	63530.48	48.11763			3
5.79	5.81	5.82	24719.87	71.610579			4
5.94	5.96	5.98	1147740	2173.803366			5
6.14	6.16	6.18	234641.1	53.718819			6
Height Summation:			**5645263.05**				
Amount Avg CF:			**843.878553**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229548** ACF DF20 04A01 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.21 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0075.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**127.52**	
5.96	5.98	5.99	4667768	2207.580591			1
+ 6.01	6.02	6.05	181918.3	100.42937			2
6.01	6.04	6.05	680046.1	375.424579			2
+ 6.15	6.15	6.19	26624.98	15.952327			3
6.15	6.17	6.19	37667.72	22.568572			3
6.21	6.23	6.25	99388.24	222.598823			4
6.38	6.41	6.42	1699626	2580.857684			5
6.58	6.61	6.62	292525.4	57.294788			6

Height Summation: **7477021.46**
Amount Avg CF: **911.054173** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 09:37:06
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0075.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			999.0206	193.9275		** 90.46	4	40	
Aroclor-1221			999.0206	299.7062		** 117.26	3	40	
Aroclor-1232			999.0206	240.9403		** 85.00	4	40	
Aroclor-1242			999.0206	240.9403		** 89.48	4	40	
Aroclor-1248			999.0206	193.9275		7.55	4	40	
Aroclor-1254			999.0206	258.57		6.39	4	40	
Aroclor-1260			999.0206	229.1871		6.19	4	40	
Aroclor-1262			999.0206	193.9275	E	15.10	4	40	
Aroclor-1268			999.0206	193.9275		7.66	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:37:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0075.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.509		25466	23069
1.554		3676	1237
1.598		86872	215848
1.658		266337	275310
1.688		57561	58190
1.706		68293	101615
1.733		64404	87152
1.766		38360	32252
1.812		73449	104574
1.831		70252	86313
1.862		22543	11740
1.878		9215	4060
1.892		28758	13536
1.913		36135	23014
1.937		32856	33970
1.963		10287	7080
2.003		37290	24580
2.021		47248	39819
2.071		44768	30429
2.087		72963	99973
2.134		114585	173566
2.166		48928	52732
2.194		100066	152367
2.226		91891	223596
2.26		82108	99081
2.292		135370	128982
2.311		69033	49204
2.322		72644	64473
2.364		62990	104102
2.403		76806	87766
2.435		26410	15669
2.483		85853	166220
2.539		55013	98516
2.58		45893	73707
2.607		36448	25486
2.632		15077	6177
2.647		18503	9103
2.663		31847	28038
2.701		33249	22753
2.728		42724	42280
2.748		146393	93926
2.8		36560	55229
2.835		52887	42106
2.862		38432	32430
2.887		20887	9825
2.902		35263	23042
2.932		19376	19031
2.98		43458	41905
3.005		16229	6484
3.03	TCX	642525	432108
3.081		23054	16543
3.103		33862	41786
3.154		10270	13319

RT A	Compound A	Height A	Area A
3.181		16280	10288
3.197		17258	7789
3.218		14163	12434
3.242		13877	6352
3.26		8203	3686
3.284		14197	16971
3.311		9203	3384
3.353		240918	180637
3.378		20530	15958
3.407		9442	5811
3.432		12634	7671
3.459		21438	17397
3.483		15774	8871
3.505		44123	30016
3.522		24161	12750
3.55		4413	1744
3.575		29247	20728
3.593		10924	8104
3.621		24667	16749
3.649		12828	7447
3.672		12856	11184
3.696		57371	35900
3.721		12458	13800
3.751		13087	12499
3.794		19825	10762
3.806		33248	22217
3.846		111149	91442
3.873		1480	246
3.905		100359	115548
3.95		34018	25272
3.975		314585	231270
4.012		267886	274281
4.042		5446	2601
4.053		18594	10582
4.084		8026	4784
4.104		184668	133158
4.129		43916	27028
4.161		54510	39011
4.187		177494	226088
4.237		38327	29397
4.269		16082	10081
4.282		18057	9472
4.304		6883	4276
4.324		62840	39971
4.361		1228802	911810
4.38		155104	83964
4.406		206249	172479
4.475		292593	283032
4.52		1934979	1794707
4.554		327496	250748
4.594		12417	7463
4.618		61788	48503
4.66		634145	640866
4.715		418503	283842
4.732		346680	253034
4.778		1695346	1462377
4.826		1762915	1877943
4.864		516420	382576
4.904		4371557	3930604
4.951		130618	127209
4.995		1020988	1017446
5.028		70672	48621
5.054		789565	708581
5.106		4727198	3632228
5.123		418556	221699
5.158		941702	810674

RT A	Compound A	Height A	Area A
5.198		2724548	2762453
5.241		91103	58460
5.278		510240	587830
5.313		6443557	5855802
5.336		266690	131191
5.354		142300	63350
5.377		2937585	2452151
5.42		1924094	1789872
5.518		487976	404127
5.54		3132012	2539602
5.598		1656823	1465836
5.637		974458	902598
5.678		166659	177636
5.721		1085476	1004906
5.749		62909	37282
5.777		8560366	8025579
5.982		4667769	4435150
6.016		181918	176663
6.037		680046	663715
6.149		26625	19174
6.171		37668	28470
6.227		99388	78885
6.254		721839	633906
6.316		8631	8360
6.378		4678	2860
6.409		1699626	1587131
6.454		88075	74944
6.48		7946	5613
6.538		1078	502
6.576		2141	1070
6.61		292525	282234
6.757	DCB	326453	335325
6.827		3442	2282
6.853		1044	512
6.879		1621	497
6.917		1212	696
6.968		1629	1355
7.021		2693	2144
7.058		3687	5472
7.096		1233	418
7.132		1170	729
7.219		1168	734
7.241		2067	1644
7.301		2965	2126
7.348		825	504
7.403		2909	2432
7.469		1450	302
7.521		2438	2003
7.561		3751	5586
7.617		3026	4502
7.641		2338	2346
7.683		1303	1033
7.736		1880	920
7.769		1542	565
7.797		1139	254
7.837		2101	2013
7.912		1961	1079
7.983		1282	1042
8.078		2106	2272
8.242		2385	2082
8.38		1646	320
8.407		1310	624
8.508		1876	1143
8.545		1290	1306
8.629		961	332

LANCASTER LABORATORIES

Sample Number: 9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:37:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0075.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.585		16425	16184
1.598		14566	18402
1.639		15506	24844
1.691		9923	10742
1.719		10806	12608
1.757		17831	30625
1.788		12374	10827
1.824		13588	18669
1.85		12440	13926
1.884		13648	12672
1.91		32480	49274
1.952		16742	36351
1.992		21113	24454
2.019		13760	10404
2.043		18305	15762
2.077		54181	42489
2.101		4333	1757
2.126		16159	23570
2.169		8616	6693
2.189		8703	7477
2.224		16502	22335
2.287		16392	18632
2.313		8204	5002
2.333		4833	3284
2.354		6686	3306
2.372		4112	2640
2.436		18481	35856
2.492		107071	83895
2.542		3968	2203
2.57		5991	5254
2.59		5809	3372
2.62		9616	9897
2.668		12655	12815
2.704		6636	6797
2.747	TCX	375652	280540
2.837		8110	8432
2.862		4414	4796
2.92		9358	8153
2.947		5746	4160
2.969		9252	8126
3.047		163624	136160
3.083		4842	3451
3.109		8126	5160
3.145		7607	9243
3.174		6491	5675
3.215		2634	2849
3.244		33636	43573
3.317		22133	20130
3.369		32750	28728
3.404		37880	24276
3.449		10926	7716
3.466		3320	1366
3.517		11808	6143
3.527		22345	10252

3.548		5739	2591
3.563		42056	39451
3.638		65052	48407
3.671		202444	136320
3.696		226044	156799
3.731		19361	12529
3.805		138453	105026
3.829		26582	15393
3.851		39255	26724
3.883		80133	47558
3.9		48558	26583
3.943		27175	28357
3.991		60109	63697
4.016		33751	20198
4.038		953679	713578
4.065		78053	45239
4.086		46948	25312
4.105		172139	120764
4.142		1166423	937814
4.176		207302	150596
4.196		111998	64445
4.259		36177	29545
4.293		276181	347782
4.354		447754	371299
4.401		182742	132737
4.418		375677	209642
4.432		552042	334076
4.46		461929	483289
4.514		2812100	2462459
4.555		96077	96959
4.586		465763	342867
4.611		631429	493010
4.655		3520281	3170198
4.713		6534	4352
4.764		2660954	2763070
4.818		485440	485249
4.859		720074	677188
4.896		3721020	3292617
4.93		1449064	1161340
4.97		1128374	978035
5.041		10273	9464
5.074		360147	432659
5.126		1963249	1658647
5.15		288979	191122
5.201		1129086	1067683
5.236		555954	450581
5.264		363197	308754
5.297		123618	77527
5.319		5179222	4494433
5.361		92951	70409
5.395		150344	133601
5.512		33496	21324
5.535		829931	735914
5.58		3344701	3706055
5.735		63530	60848
5.779		97119	81181
5.805		24720	16193
5.826		16139	9299
5.853		492020	451511
5.958		1147740	1029128
5.99		62088	44771
6.159		234641	225438
6.32	DCB	265334	251047
6.495		2526	2396
6.527		7635	8067
6.621		1274	2031
6.798		4282	6270

6.908	1476	5506
7.075	1633	5114
7.119	1607	1696
7.157	1424	1316
7.264	1868	5396
7.388	1562	2449
7.494	966	2361
8.148	1724	5425
8.418	1493	2437
8.637	2486	4921

9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082

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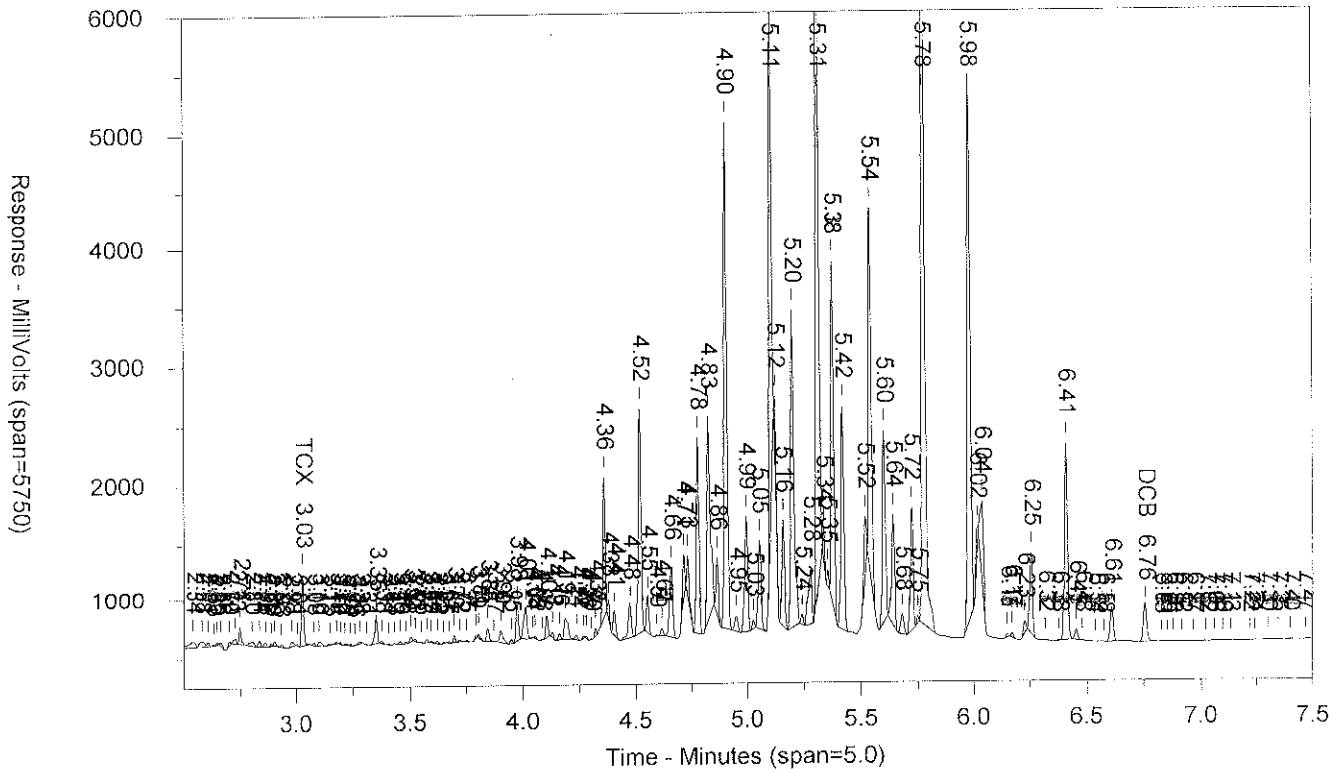

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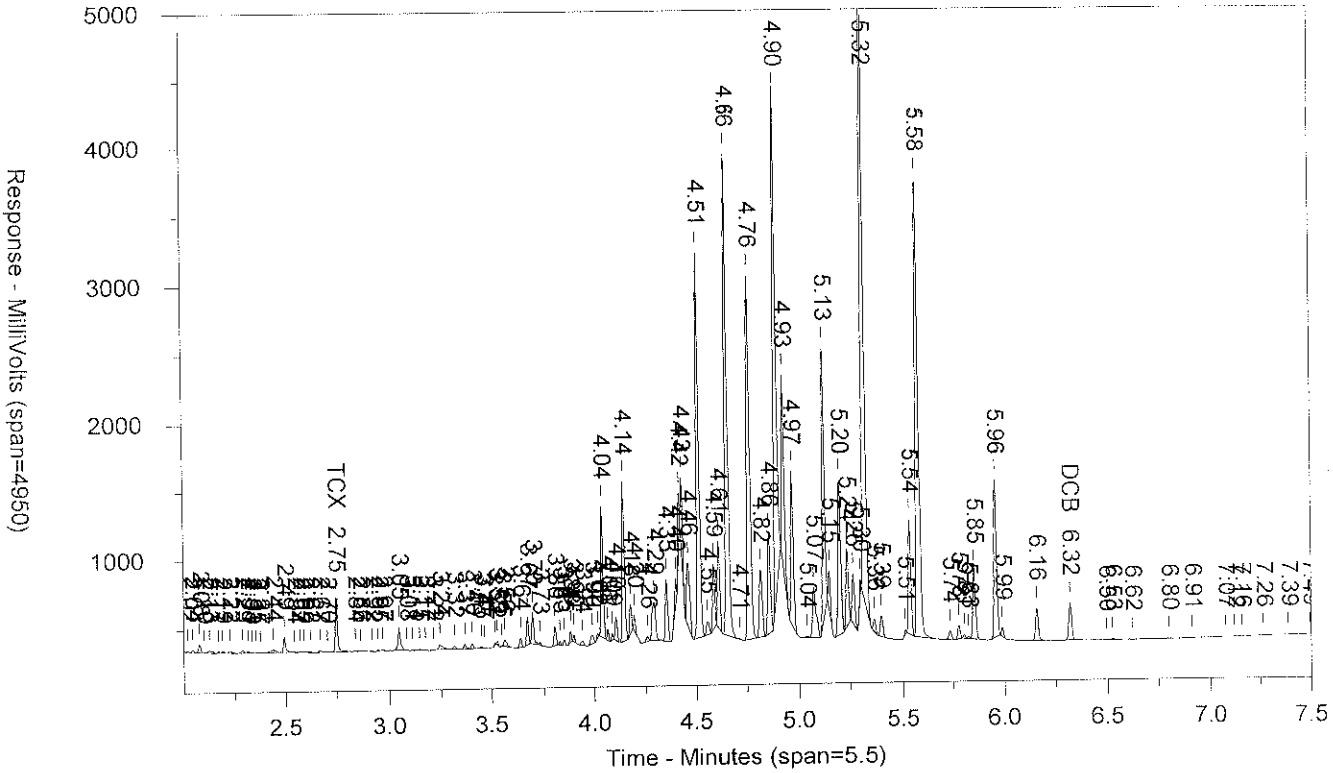

LANCASTER LABORATORIES

Sample Number: 9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:37:06 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: 10.21
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
3.03	642525	19.822	TCX	2.747	375652	24.242	TCX
6.757	326453	25.055	DCB	6.32	265334	22.526	DCB

Files:
Area File: 07PCBS17292003.0075.RAW
Area File: 07PCBS17292003B.0075.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:45:47 AM
File Reported On: 10/24/2017 at 9:46:06 AM

9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082

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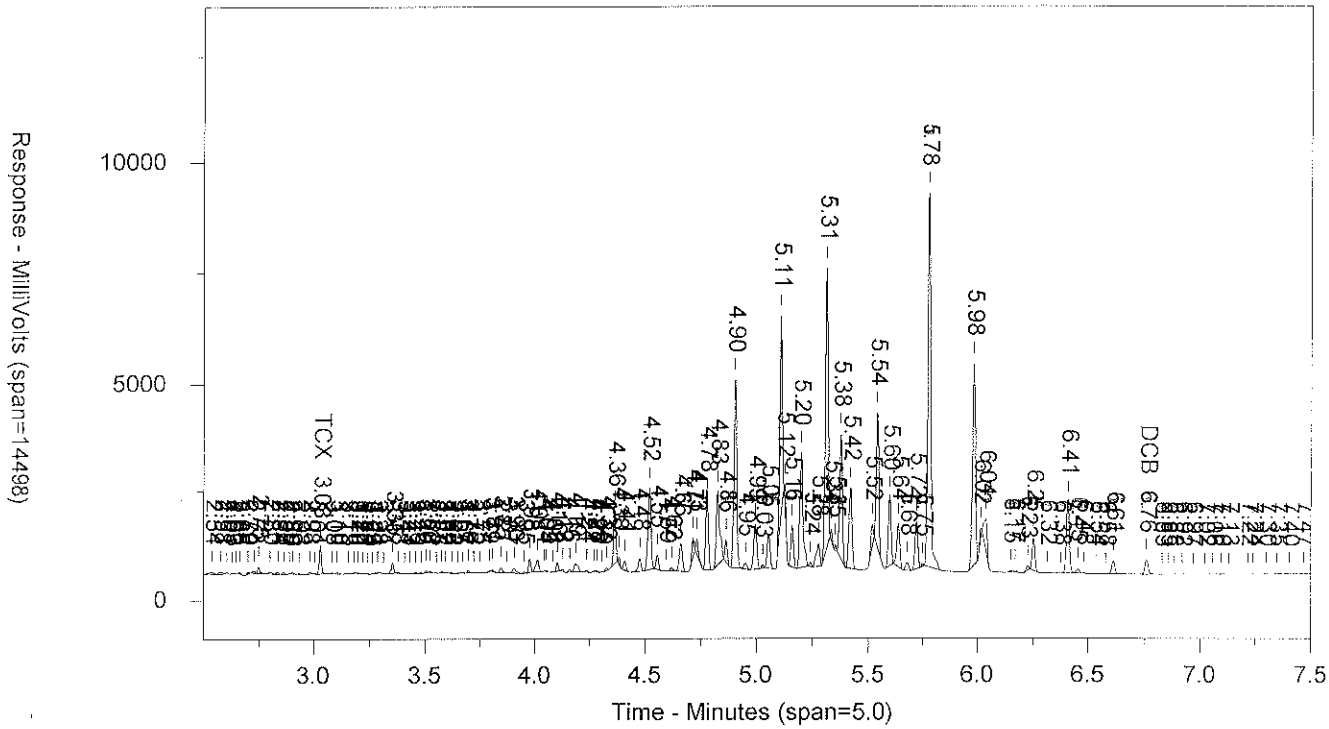

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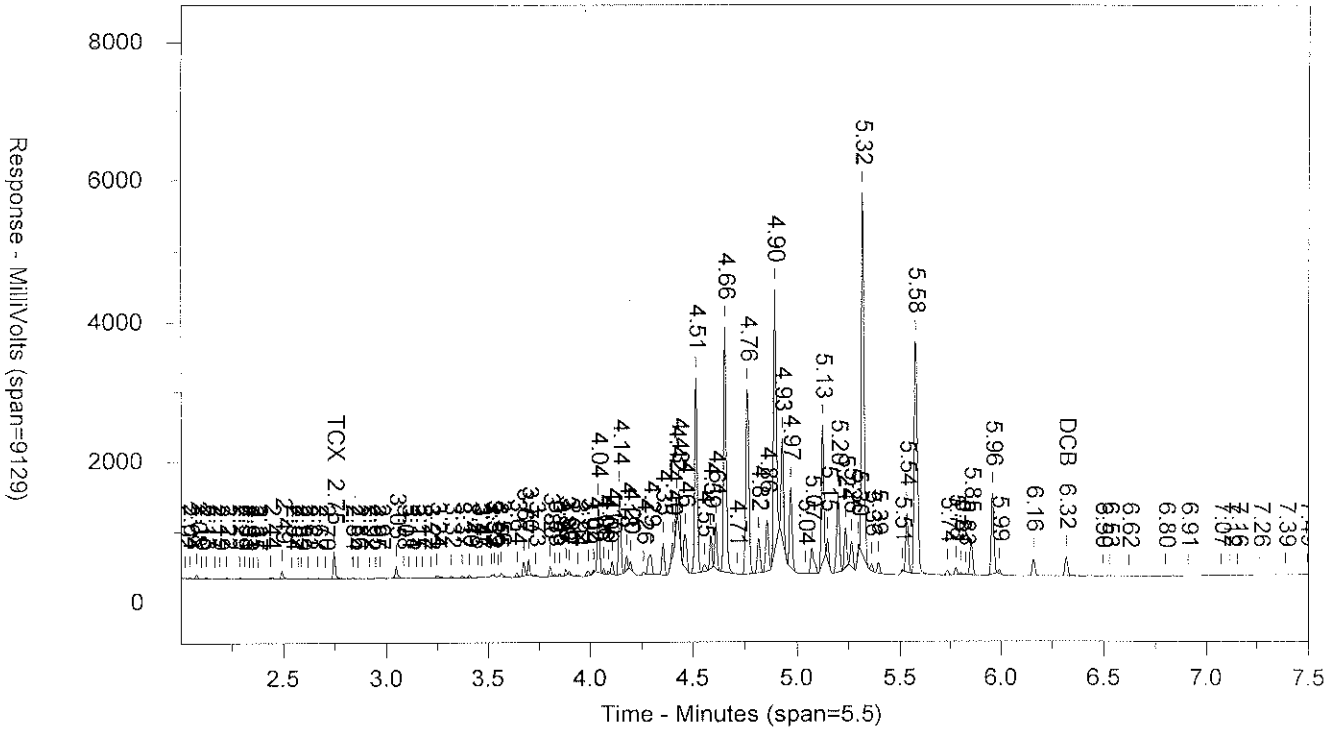

9229548 ACF DF20 AC04A01 T 172860014A 10225 SW-846 8082

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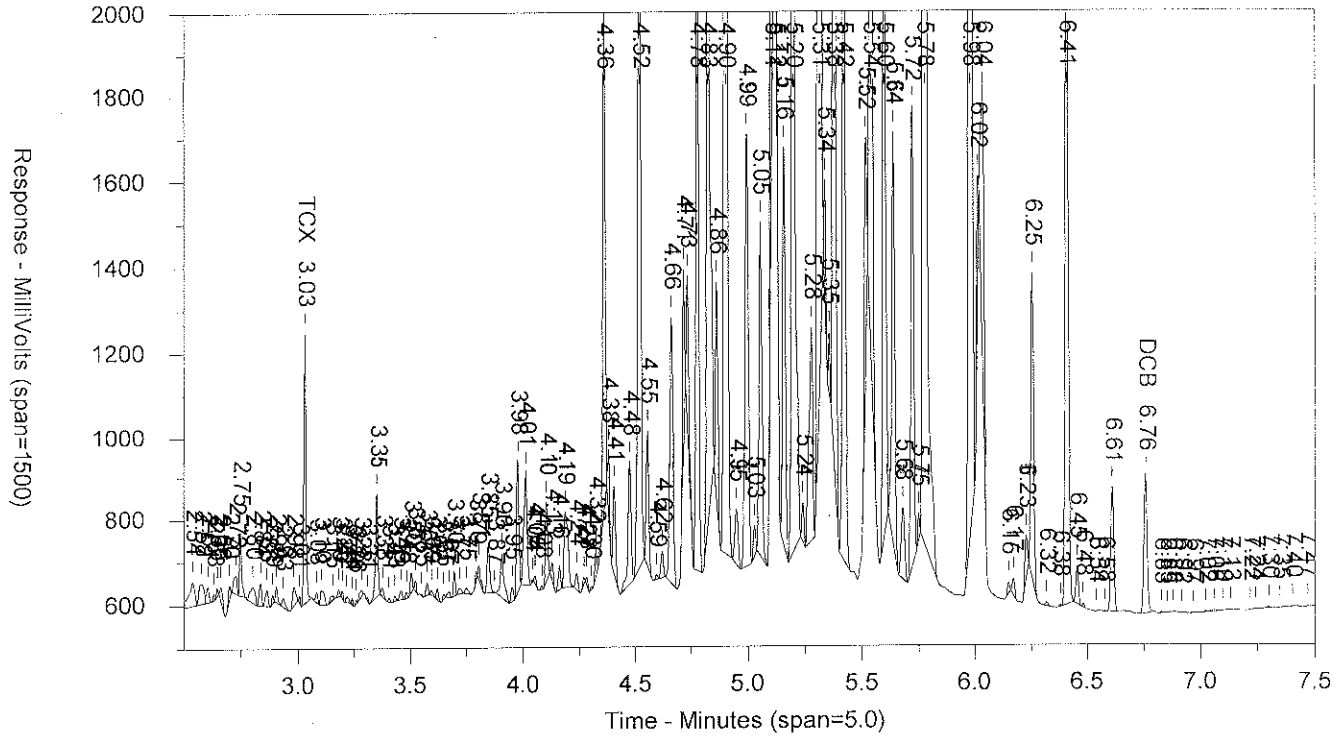

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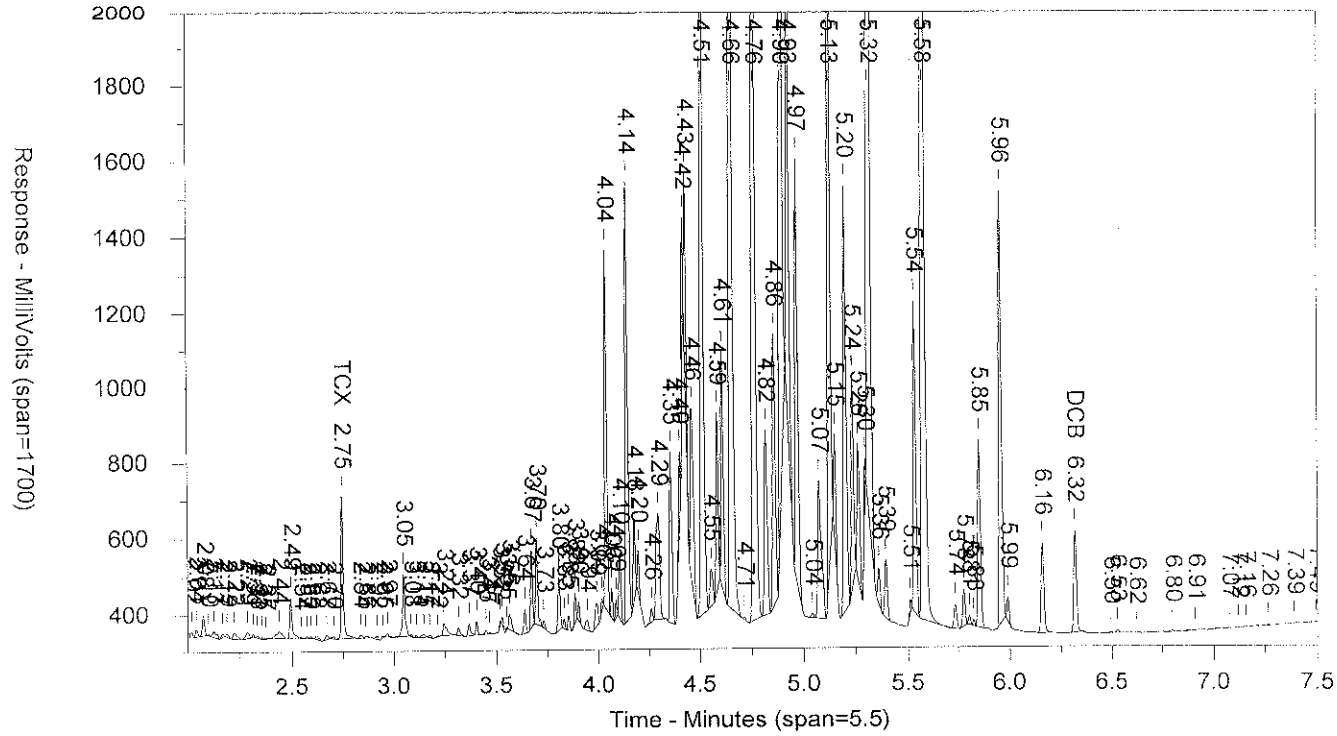

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Data Summary

Sample Name: 9229549 ACF DF20 04A02 Sample ID: AC **Batchnumber: 172890027A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 14:45:46
Instrument	19843A
Result file	07PCBS17292003.0102.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 80% (61 - 152) Conc: 24.3176
%SSR(DCB) 120% (48 - 164) Conc: 32.43679

Analysis Report (B)

Injected on	Oct 24, 2017 14:45:46
Instrument	19843B
Result file	07PCBS17292003B.0102.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 93% (61 - 152) Conc: 28.29728
%SSR(DCB) 106% (48 - 164) Conc: 28.56587

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	774346	24.3176
Decachlorobiphenyl	6.72	6.75	6.78	415177	32.43679

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	430768	28.29728
Decachlorobiphenyl	6.29	6.32	6.35	330550	28.56587

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
	Tetrachloro-m-xylene	B	28.29728				15.13	
✓	Tetrachloro-m-xylene-D1	A	24.3176					
✓	Tetrachloro-m-xylene-D2	B	28.29728					
	Decachlorobiphenyl	A	32.43679				12.69	
✓	Decachlorobiphenyl-D1	A	32.43679					
✓	Decachlorobiphenyl-D2	B	28.56587					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.16**	
4.88	4.90	4.92	5058258	5677.742286			1
5.29	5.31	5.33	8744909	7469.711634			2
5.36	5.38	5.40	3075874	5191.044311			3
5.52	5.54	5.56	2889725	4713.634714			4
5.76	5.77	5.80	8586740	5887.625263			5
5.96	5.98	6.00	5144422	5738.216344			6

Height summation: **33499928**
Concentration CF: **5779.662425** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.50**	
4.64	4.65	4.68	4243116	6276.572692			1
4.75	4.76	4.78	3175394	5402.91142			2
4.88	4.89	4.92	4905951	7323.70022			3
5.11	5.12	5.15	1880350	4278.192544			4
5.30	5.32	5.34	5070366	4948.404516			5
5.56	5.58	5.60	3525508	5110.313202			6

Height summation: **22800685**
Concentration CF: **5556.682432** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<1016.9491	<197.4078	D1		4	
✓	PCB-1221			<1016.9491	<305.0847	D1		3	
✓	PCB-1232			<1016.9491	<245.2642	D1		4	
✓	PCB-1242			<1016.9491	<245.2642	D1		4	
✓	PCB-1248			<1016.9491	<197.4078	D1		4	
✓	PCB-1254			<1016.9491	<263.2104	D1		4	
✓	PCB-1260	A	5779.662425	1016.9491	233.3001	D1	3.93	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 18:05:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229549** ACF DF20 04A02 ID: AC **Batchnumber: 172890027A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0102.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 80% (61-152) Conc.: 24.3176
%SSR(DCB) : 120% (48-164) Conc.: 32.43679

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	123.07	
3.27	3.29	3.31	53174.84	105.873146			1
3.48	3.50	3.52	146974.8	281.590421			2
+ 3.48	3.52	3.52	100387.5	192.333369			2
3.60	3.62	3.64	210333.7	349.471399			3
3.82	3.85	3.86	488014.5	696.199608			4
3.88	3.90	3.92	167528	285.805494			5
4.08	4.10	4.12	1006869	2313.285168			6
Height Summation:			**2072894.84**				
Amount Avg CF:			**672.037539**	Linear:			
Aroclor-1221					3	49.48	
3.16	3.18	3.20	37010.25	143.919449			1
+ 3.16	3.20	3.20	7348.412	28.575311			1
3.22	3.24	3.26	14257.75	64.309743			2
3.27	3.29	3.31	53174.84	66.566395			3
Height Summation:			**104442.84**				
Amount Avg CF:			**91.598529**	Linear:			
Aroclor-1232					6	135.47	
3.26	3.29	3.30	53174.84	86.910212			1
+ 3.48	3.48	3.52	12653.39	52.240647			2
3.48	3.50	3.52	146974.8	606.798548			2
+ 3.48	3.52	3.52	100387.5	414.458732			2
3.60	3.62	3.64	210333.7	745.812612			3
3.82	3.85	3.86	488014.5	1414.431263			4
3.88	3.90	3.92	167528	644.437606			5
E 4.08	4.10	4.12	1006869	5652.708966			6
Height Summation:			**2072894.84**				
Amount Avg CF:			**1525.183201**	Linear:			
Aroclor-1242					6	126.34	
3.27	3.29	3.31	53174.84	123.578057			1
3.48	3.50	3.52	146974.8	339.356382			2
+ 3.48	3.52	3.52	100387.5	231.788979			2
3.60	3.62	3.64	210333.7	419.509044			3
3.82	3.85	3.86	488014.5	807.777378			4
3.88	3.90	3.92	167528	369.955423			5
4.08	4.10	4.12	1006869	2924.825043			6
Height Summation:			**2072894.84**				
Amount Avg CF:			**830.833554**	Linear:			

P60
1300S

Analysis Report (B)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0102.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 93% (61-152) Conc.: 28.29728
%SSR(DCB) : 106% (48-164) Conc.: 28.56587

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.80	
3.02	3.05	3.06	145230.4	540.552525			1
3.35	3.37	3.39	138397.8	425.000075			2
+ 3.54	3.55	3.58	183724.8	565.696091			3
+ 3.54	3.56	3.58	27324.01	84.131732			3
3.54	3.58	3.58	196633	605.440961			3
3.62	3.64	3.66	113523.3	336.08199			4
3.68	3.69	3.72	810411.4	3179.328093			5
+ 3.68	3.71	3.72	676821.4	2655.240648			5
3.79	3.80	3.83	631708.6	2230.054867			6
Height Summation:			**2035904.5**				
Amount Avg CF:			**1219.409752**	Linear:			
Aroclor-1221					3	71.92	
2.90	2.92	2.94	19640.09	124.577804			1
2.96	2.97	3.00	9849.933	108.095658			2
3.02	3.05	3.06	145230.4	363.467924			3
Height Summation:			**174720.423**				
Amount Avg CF:			**198.713795**	Linear:			
Aroclor-1232					6	115.04	
3.02	3.05	3.06	145230.4	459.558242			1
3.35	3.37	3.39	138397.8	913.749039			2
+ 3.54	3.55	3.58	183724.8	1186.912135			3
+ 3.54	3.56	3.58	27324.01	176.52053			3
3.54	3.58	3.58	196633	1270.302615			3
3.62	3.64	3.66	113523.3	770.510112			4
E 3.68	3.69	3.72	810411.4	8605.103103			5
E+ 3.68	3.71	3.72	676821.4	7186.618956			5
E 3.79	3.80	3.83	631708.6	5487.499539			6
Height Summation:			**2035904.5**				
Amount Avg CF:			**2917.787108**	Linear:			
Aroclor-1242					6	101.96	
3.02	3.05	3.06	145230.4	628.347575			1
3.35	3.37	3.39	138397.8	502.655562			2
+ 3.54	3.55	3.58	183724.8	642.59672			3
+ 3.54	3.56	3.58	27324.01	95.568585			3
3.54	3.58	3.58	196633	687.744501			3
3.62	3.64	3.66	113523.3	414.504512			4
3.68	3.69	3.72	810411.4	4097.529848			5
+ 3.68	3.71	3.72	676821.4	3422.084004			5
3.79	3.80	3.83	631708.6	2715.898135			6
Height Summation:			**2035904.5**				
Amount Avg CF:			**1507.780022**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229549** ACF DF20 04A02 ID: AC **Batchnumber: 172890027A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0102.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**87.13**	
3.82	3.85	3.86	488014.5	1268.97048			1
3.88	3.90	3.92	167528	521.248805			2
3.95	3.97	3.99	1621762	2960.193753			3
4.08	4.10	4.12	1006869	1642.286337			4
4.17	4.19	4.21	650830.2	1273.182734			5
4.36	4.36	4.40	2931212	5968.400376			6
+ 4.36	4.38	4.40	807104.1	1643.38861			6
Height Summation:			**6866215.7**				
Amount Avg CF:			**2272.380414**	Linear:			
Aroclor-1254					**6**	**53.37**	
4.69	4.71	4.73	2065498	3444.445422			1
+ 4.69	4.73	4.73	88637.27	147.812411			1
4.76	4.78	4.80	5865668	4933.985601			2
+ 4.88	4.88	4.92	46580.59	128.677603			3
4.88	4.90	4.92	5058258	13973.299075			3
4.97	4.99	5.01	4049696	5221.401102			4
5.17	5.20	5.21	4430034	7305.130603			5
5.29	5.31	5.33	8744909	11297.914586			6
Height Summation:			**30214063**				
Amount Avg CF:			**7696.029398**	Linear:			
Aroclor-1260					**6**	**16.16**	
4.88	4.90	4.92	5058258	5677.742286			1
5.29	5.31	5.33	8744909	7469.711634			2
5.36	5.38	5.40	3075874	5191.044311			3
5.52	5.54	5.56	2889725	4713.634714			4
5.76	5.77	5.80	8586740	5887.625263			5
5.96	5.98	6.00	5144422	5738.216344			6
Height Summation:			**33499928**				
Amount Avg CF:			**5779.662425**	Linear:			
Aroclor-1262					**6**	**34.00**	
5.35	5.38	5.39	3075874	3210.8496			1
+ 5.52	5.52	5.56	948489.5	1150.892566			2
5.52	5.54	5.56	2889725	3506.378322			2
E 5.75	5.77	5.79	8586740	4995.460106			3
E 5.96	5.98	6.00	5144422	4612.546805			4
+ 6.01	6.01	6.05	123334.2	234.357792			5
6.01	6.03	6.05	833668.2	1584.123774			5
6.38	6.41	6.42	1912566	3334.868281			6
Height Summation:			**22442995.2**				
Amount Avg CF:			**3540.704481**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0102.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**77.10**	
+ 3.54	3.55	3.58	183724.8	1155.278903			1
+ 3.54	3.56	3.58	27324.01	171.815957			1
3.54	3.58	3.58	196633	1236.446885			1
3.62	3.64	3.66	113523.3	588.517724			2
3.68	3.69	3.72	810411.4	2856.500213			3
+ 3.68	3.71	3.72	676821.4	2385.628426			3
3.79	3.80	3.83	631708.6	1605.355747			4
+ 3.88	3.88	3.92	94240.16	396.056125			5
3.88	3.90	3.92	299884.7	1260.303168			5
4.02	4.04	4.06	2482773	5009.402514			6
Height Summation:			**4534934**				
Amount Avg CF:			**2092.754375**	Linear:			
Aroclor-1254					**6**	**55.48**	
4.34	4.35	4.38	1663478	3987.383506			1
4.40	4.42	4.44	3042116	4200.971666			2
4.50	4.51	4.54	3601990	10283.662423			3
4.57	4.58	4.61	2101115	4683.341604			4
4.64	4.65	4.68	4243116	14873.056717			5
4.88	4.89	4.92	4905951	9180.354854			6
Height Summation:			**19557766**				
Amount Avg CF:			**7868.128462**	Linear:			
Aroclor-1260					**6**	**19.50**	
4.64	4.65	4.68	4243116	6276.572692			1
4.75	4.76	4.78	3175394	5402.91142			2
4.88	4.89	4.92	4905951	7323.70022			3
5.11	5.12	5.15	1880350	4278.192544			4
5.30	5.32	5.34	5070366	4948.404516			5
5.56	5.58	5.60	3525508	5110.313202			6
Height Summation:			**22800685**				
Amount Avg CF:			**5556.682432**	Linear:			
Aroclor-1262					**6**	**30.51**	
4.91	4.93	4.95	1356507	2138.195502			1
5.11	5.12	5.15	1880350	2823.511441			2
E 5.30	5.32	5.34	5070366	4080.028811			3
5.52	5.53	5.56	962203.9	2015.244058			4
E 5.56	5.58	5.60	3525508	4090.904622			5
5.94	5.96	5.98	1313605	2770.860616			6
Height Summation:			**14108539.9**				
Amount Avg CF:			**2986.457508**	Linear:			
Aroclor-1268					**6**	**120.62**	
5.52	5.53	5.56	962203.9	646.390238			1
5.56	5.58	5.60	3525508	2326.549482			2
5.72	5.73	5.76	78591.11	60.592703			3
+ 5.79	5.80	5.82	27882.06	82.220606			4
5.79	5.82	5.82	45127.99	133.076633			4
5.94	5.96	5.98	1313605	2532.598476			5
6.14	6.16	6.18	298095.3	69.470801			6
Height Summation:			**6223131.3**				
Amount Avg CF:			**961.446389**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229549** ACF DF20 04A02 ID: AC **Batchnumber: 172890027A**
Sample Amount: 10.03 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0102.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**126.55**	
5.96	5.98	5.99	5144422	2476.673177			1
+ 6.01	6.01	6.05	123334.2	69.309486			2
6.01	6.03	6.05	833668.2	468.492231			2
+ 6.15	6.15	6.19	28501.76	17.38326			3
6.15	6.17	6.19	50943.4	31.070445			3
6.21	6.23	6.25	101254.1	230.847561			4
6.38	6.41	6.42	1912566	2956.323332			5
6.58	6.61	6.62	387456	77.250044			6

Height Summation: **8430309.7**
Amount Avg CF: **1040.109465** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 14:45:46
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0102.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1016.9493	197.4078		** 57.88	4	40	
Aroclor-1221			1016.9493	305.0848		** 73.79	3	40	
Aroclor-1232			1016.9493	245.2642	E	** 62.69	4	40	
Aroclor-1242			1016.9493	245.2642		** 57.89	4	40	
Aroclor-1248			1016.9493	197.4078		8.23	4	40	
Aroclor-1254			1016.9493	263.2104		2.21	4	40	
Aroclor-1260			1016.9493	233.3001		3.93	4	40	
Aroclor-1262			1016.9493	197.4078	E	16.98	4	40	
Aroclor-1268			1016.9493	197.4078		7.86	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 2:45:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0102.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.52		244079	281103
1.555		10285	6657
1.6		41028	101322
1.658		417684	510236
1.71		47404	61007
1.765		145425	165928
1.815		53154	71828
1.831		45940	70233
1.861		27416	18981
1.877		30366	22269
1.893		33992	26357
1.911		30231	21824
1.935		27755	35067
1.96		32696	38629
2.001		32011	27292
2.019		34049	29529
2.043		11386	6394
2.066		51412	39553
2.086		29355	38364
2.132		108670	118913
2.178		34331	36132
2.194		47896	56179
2.224		89189	144781
2.258		31518	25413
2.292		238104	207048
2.323		35535	30164
2.362		36917	62463
2.409		103747	137461
2.434		38842	30091
2.467		61652	52239
2.485		76977	101736
2.522		26791	29720
2.537		36499	47136
2.571		11423	7901
2.606		20253	21374
2.63		7841	3143
2.648		15635	9223
2.663		26776	24142
2.701		21107	17889
2.727		51109	40561
2.747		162117	107697
2.798		33025	50231
2.834		42885	37459
2.862		25814	20097
2.885		14335	6626
2.902		24374	14067
2.926		6163	4879
2.978		24700	24443
3.004		15970	7108
3.028	TCX	774346	515812
3.081		18177	13424
3.101		12759	7639
3.144		18232	14781

RT A	Compound A	Height A	Area A
3.181		37010	34086
3.197		7348	3466
3.217		8827	6224
3.24		14258	7522
3.258		8691	3934
3.285		53175	51999
3.311		10809	4928
3.352		225108	168274
3.379		37648	28506
3.407		7713	5558
3.432		8782	4559
3.458		15315	13256
3.481		12653	7833
3.503		146975	87754
3.52		100388	57800
3.557		7604	5009
3.573		54329	31008
3.589		6325	4595
3.62		210334	148403
3.647		8318	6035
3.67		17663	10704
3.694		139595	94950
3.73		17599	10433
3.747		22323	13698
3.792		40326	24335
3.813		365968	332239
3.849		488015	467373
3.902		167528	130725
3.945		97303	72462
3.973		1621762	1187833
4.001		1076408	768654
4.024		1085805	679110
4.102		1006869	724666
4.127		304473	206097
4.159		423503	304096
4.194		650830	684097
4.238		215871	179531
4.267		76866	50832
4.281		13317	6911
4.321		164403	117840
4.359		2931212	2141187
4.378		807104	446516
4.404		1602590	1313029
4.473		990162	823066
4.516		4787721	4858508
4.552		1913579	1558866
4.593		168318	118530
4.617		250396	187674
4.66		1641168	1512088
4.713		2065498	1553377
4.728		88637	41889
4.745		462237	269027
4.776		5865668	5010631
4.824		1964094	2195150
4.863		910140	636170
4.881		46581	15039
4.902		5058258	4453217
4.951		444840	400997
4.993		4049697	3689529
5.025		108309	71933
5.052		1046506	879059
5.074		25359	13564
5.105		4962463	4026980
5.121		389861	247192
5.156		1020299	863164
5.195		4430034	4417382

RT A	Compound A	Height A	Area A
5.239		369682	261198
5.276		651007	813584
5.311		8744909	7845873
5.334		448078	216596
5.352		238059	110626
5.376		3075875	2617513
5.419		1924038	1817223
5.518		948490	741083
5.539		2889725	2274580
5.596		1701790	1480633
5.635		988949	927235
5.677		168822	167510
5.718		1577872	1410458
5.745		144714	96071
5.775		8586740	8359278
5.927		1300	451
5.98		5144422	4727436
6.014		123334	118836
6.035		833668	878016
6.148		28502	19692
6.168		50943	39481
6.196		3771	2080
6.226		101254	78462
6.251		870565	737456
6.316		14403	12566
6.353		2428	1467
6.377		13434	8478
6.406		1912566	1800737
6.451		100597	88681
6.476		4490	3308
6.607		387456	365315
6.678		4525	6398
6.721		3915	2437
6.753	DCB	415177	398941
6.788		7135	5926
6.827		2421	1645
6.919		3698	4475
6.962		1699	617
7.012		1059	314
7.056		2954	2020
7.342		3616	5557
7.416		3249	5217
7.477		2208	2102
7.51		2317	1364
7.556		2250	2773
7.612		2716	3533
7.663		1010	403
7.681		1182	547
7.721		1467	429
7.802		1221	364
7.824		1888	1118
7.963		1410	675
7.973		1926	1431
8.008		1175	464
8.075		1184	498
8.233		1498	549
8.298		1160	417
8.383		1191	385
8.606		1640	415
8.624		1586	571

LANCASTER LABORATORIES

Sample Number: 9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 2:45:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0102.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		70071	93158
1.635		12478	13692
1.69		6218	6214
1.762		9484	15762
1.808		23025	34865
1.848		7701	6873
1.88		10806	12625
1.911		43769	49401
1.97		11338	10277
1.991		38128	33967
2.018		9339	7525
2.04		38685	30771
2.077		117910	91532
2.126		11290	8993
2.146		2517	975
2.166		9336	8426
2.19		11486	9765
2.225		20111	36420
2.283		11871	16210
2.311		7952	4949
2.333		6314	4411
2.354		7209	3840
2.416		3965	4925
2.435		14435	19492
2.492		107998	75051
2.542		5538	2965
2.559		3551	1614
2.59		7916	5419
2.618		8027	9913
2.667		13227	14649
2.695		5615	6649
2.746	TCX	430768	299827
2.79		6681	4894
2.81		3454	1807
2.836		12115	11541
2.863		7205	7428
2.919		19640	15839
2.946		5003	3363
2.968		9850	10574
3.047		145230	132636
3.086		4674	3139
3.108		3808	2373
3.146		18885	18892
3.213		3057	3118
3.243		63694	34171
3.254		27493	11645
3.295		8716	5214
3.317		31562	22639
3.366		138398	108293
3.403		80416	51712
3.451		29198	36707
3.526		134640	125180
3.546		183725	102093
3.561		27324	9690

3.577		196633	122676
3.637		113523	88909
3.67		963857	647525
3.694		810411	473704
3.712		676821	398665
3.803		631709	455558
3.827		172960	105219
3.85		263086	216588
3.881		94240	52927
3.898		299885	211098
3.94		131139	119938
3.984		127051	125340
4.013		160493	101885
4.037		2482773	1817537
4.064		397064	241459
4.084		445109	263432
4.103		467446	292472
4.14		2702952	2131324
4.174		1118848	789190
4.194		404242	229981
4.213		76410	46147
4.257		177196	143411
4.292		888480	874307
4.353		1663478	1364781
4.389		383042	347755
4.416		3042117	3174099
4.457		538375	546695
4.511		3601990	3325603
4.55		289880	256005
4.584		2101115	1607842
4.609		783767	577256
4.653		4243116	3736729
4.761		3175395	3209949
4.814		1575851	1477598
4.856		950877	873221
4.894		4905951	4456788
4.928		1356507	1064437
4.968		1058704	903409
5.034		34722	39718
5.072		357179	492368
5.124		1880350	1556703
5.149		722673	521868
5.199		1146449	1095097
5.235		532117	443985
5.263		354021	307858
5.296		311529	201241
5.317		5070366	4414697
5.358		87374	62355
5.393		169784	152689
5.51		36235	23751
5.533		962204	858055
5.578		3525509	3926430
5.733		78591	73541
5.775		101500	85378
5.802		27882	17456
5.824		45128	28918
5.852		552597	495251
5.928		6912	4075
5.955		1313605	1184370
5.988		67238	50529
6.157		298095	293688
6.317	DCB	330550	310107
6.351		7092	7402
6.441		3075	7080
6.524		3851	6447
6.631		3407	5208
6.66		1951	1395

6.689	3153	4168
6.739	3794	8419
6.795	4878	6565
6.829	3258	2884
6.905	1749	9143
7.065	4329	19027
7.12	1894	3145
7.154	1255	1238
7.196	1467	1483
7.319	2315	4927
7.601	1247	2847
7.881	2658	4041
8.509	4290	12572
8.628	4199	6951

9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082

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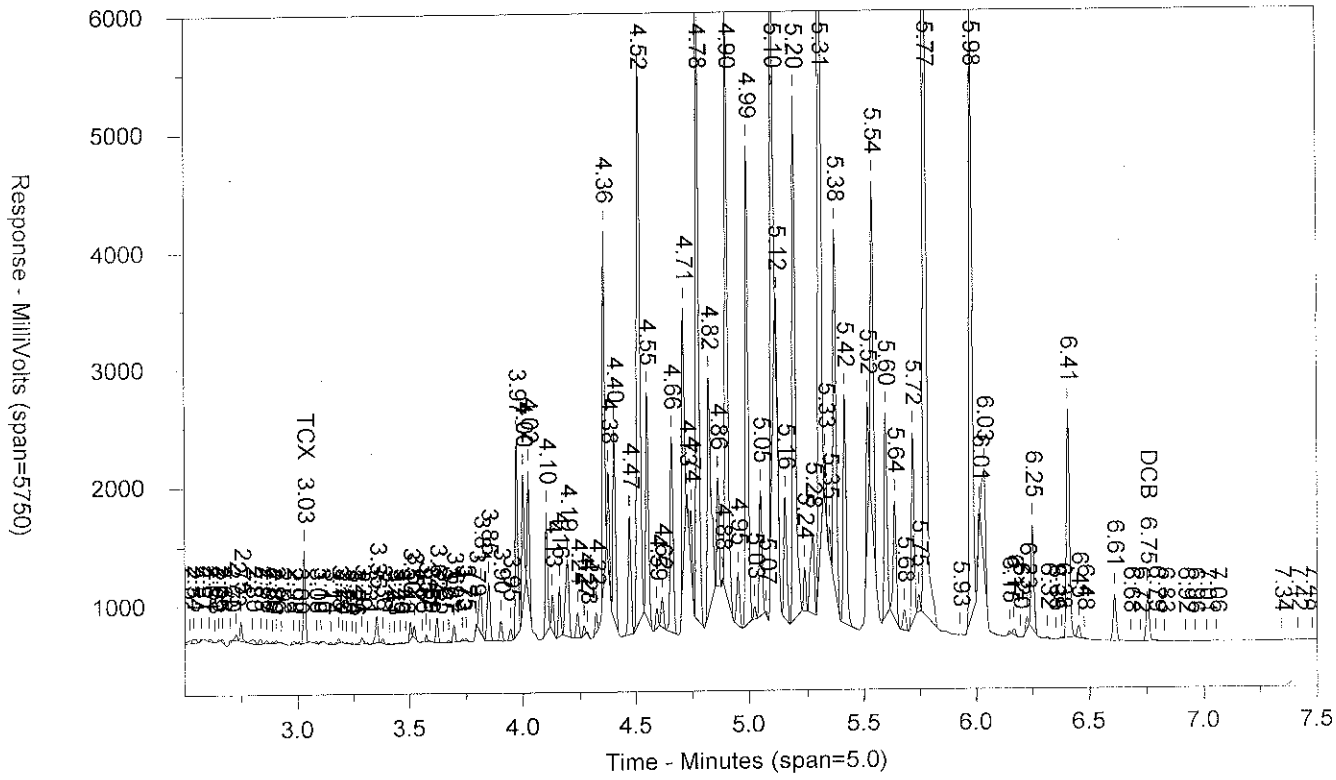

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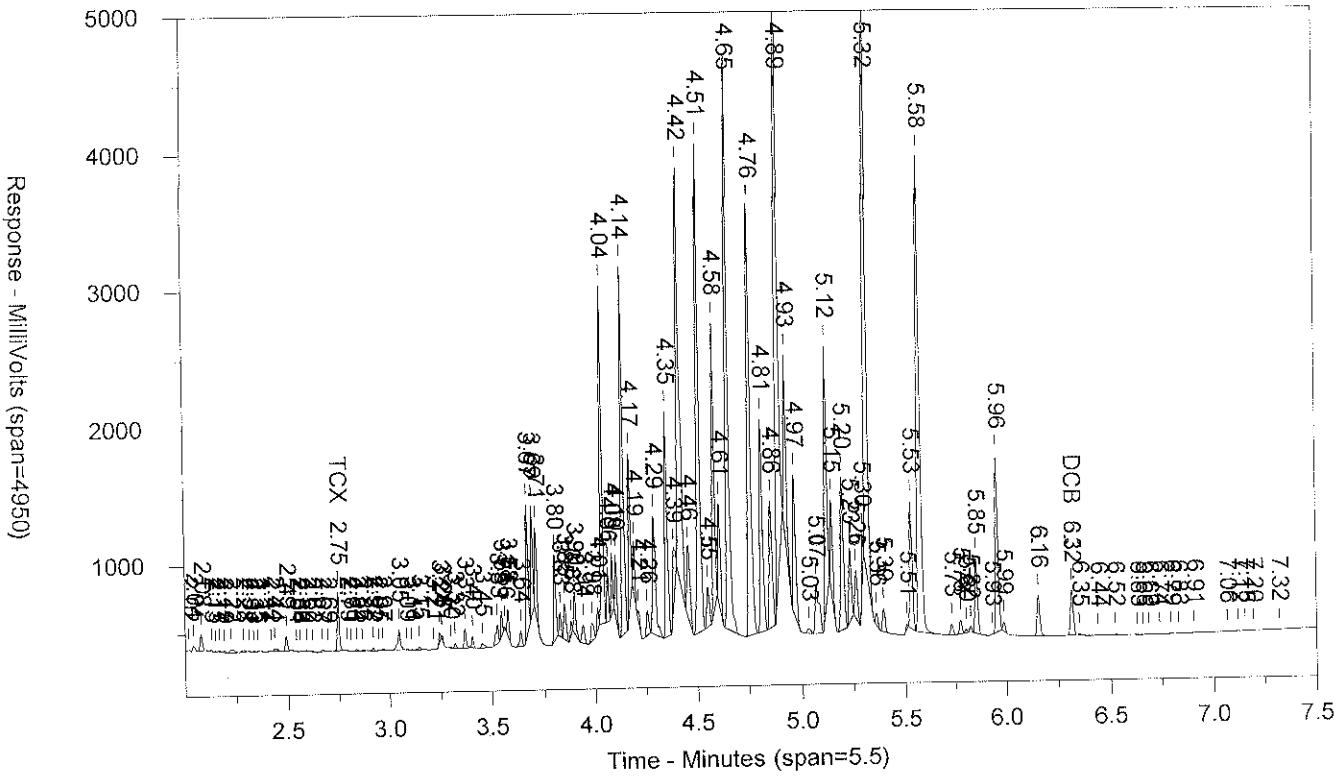

LANCASTER LABORATORIES

Sample Number: 9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 2:45:46 PM
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: 10.03
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
3.028	774346	24.318	TCX	2.746	430768	28.297	TCX
6.753	415177	32.437	DCB	6.317	330550	28.566	DCB

Files:
Area File: 07PCBS17292003.0102.RAW
Area File: 07PCBS17292003B.0102.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 2:54:30 PM
File Reported On: 10/24/2017 at 2:54:48 PM

9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082

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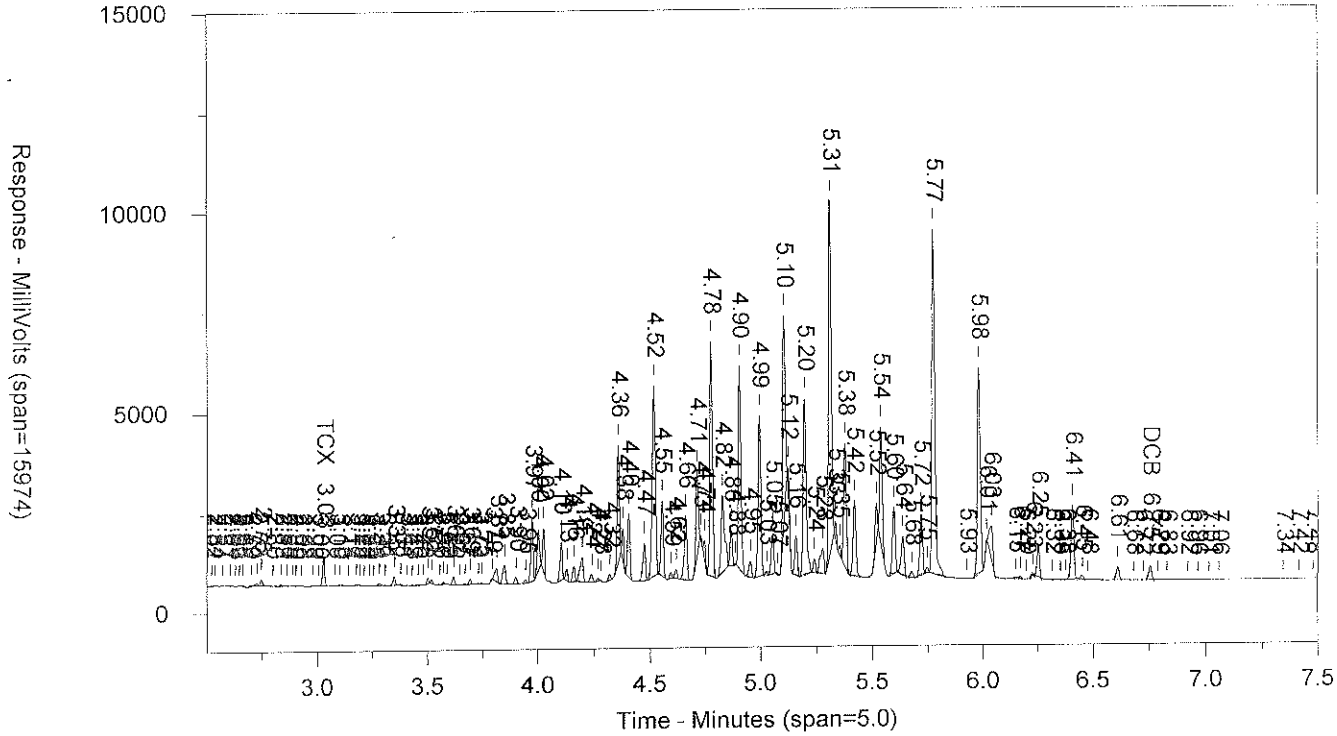

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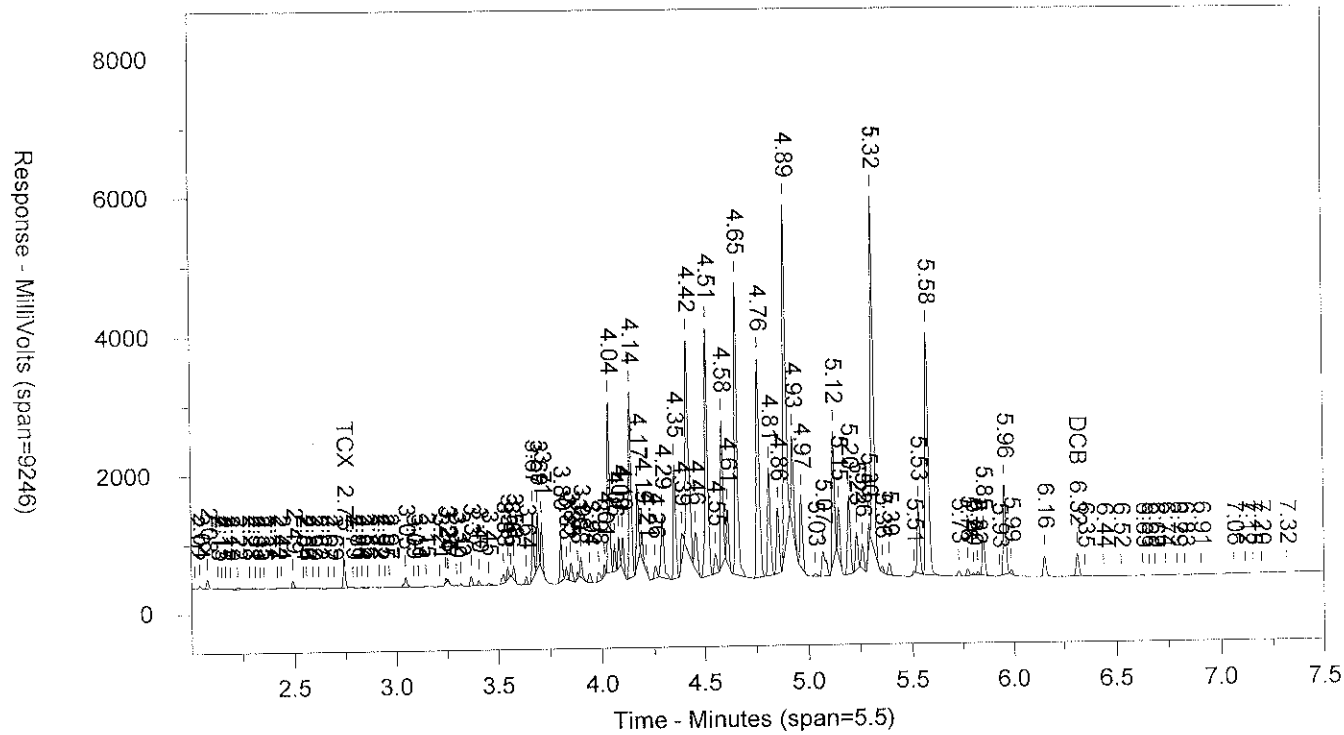

9229549 ACF DF20 AC04A02 T 172890027A 10225 SW-846 8082

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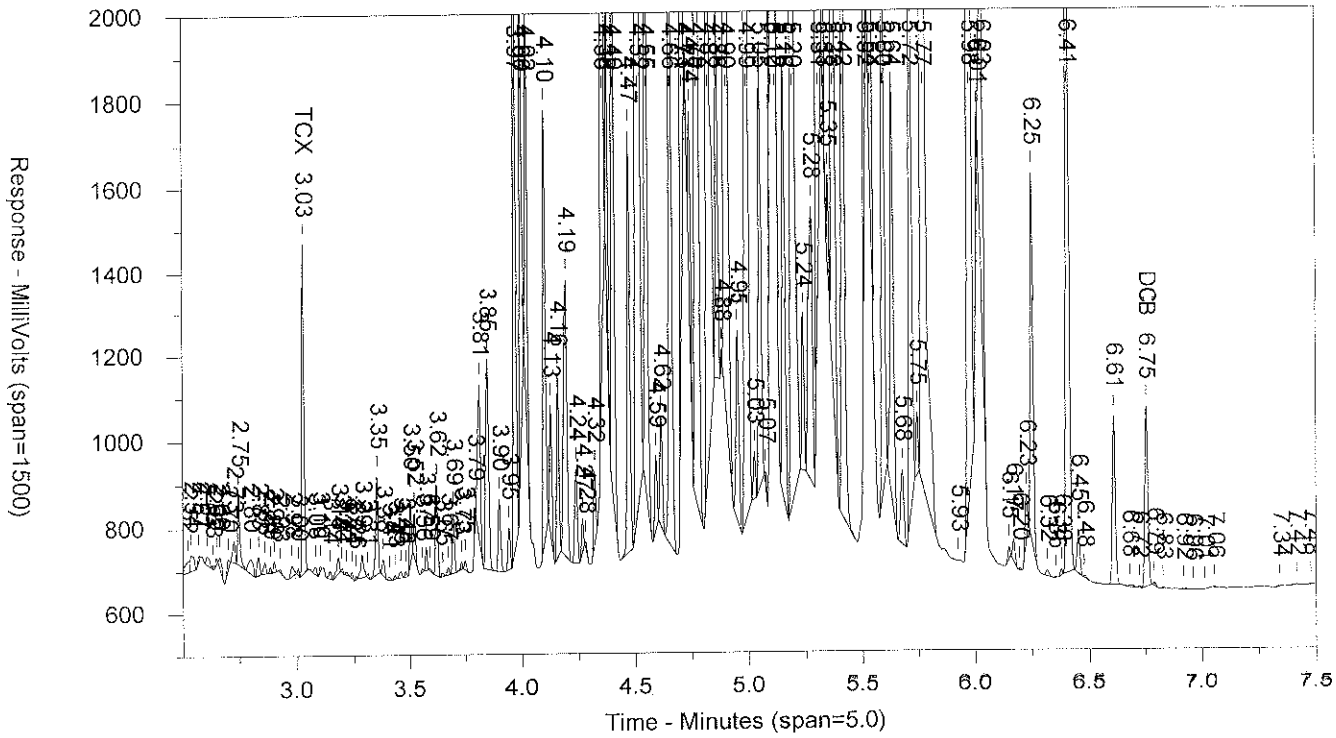

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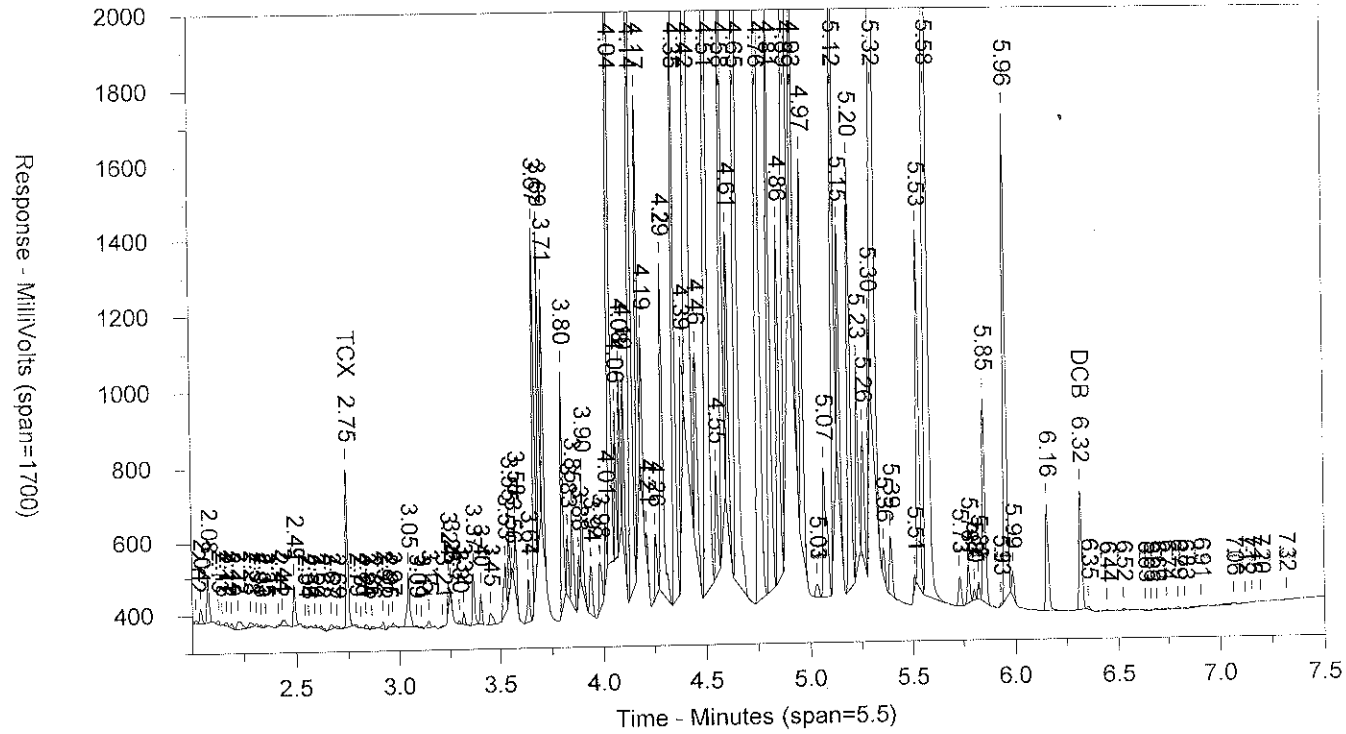

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229550 ACF DF10 04A03 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 09:48:28
Instrument	19843A
Result file	07PCBS17292003.0076.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 63% (61 - 152) Conc: 19.08916
%SSR(DCB) 95% (48 - 164) Conc: 25.4629

Analysis Report (B)

Injected on	Oct 24, 2017 09:48:28
Instrument	19843B
Result file	07PCBS17292003B.0076.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 74% (61 - 152) Conc: 22.44539
%SSR(DCB) 81% (48 - 164) Conc: 21.56483

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1229047	19.08916
Decachlorobiphenyl	6.72	6.75	6.78	658977	25.4629

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	690865	22.44539
Decachlorobiphenyl	6.29	6.32	6.35	504548	21.56483

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.44539				16.16	
☑	Tetrachloro-m-xylene-D1	A	19.08916					
☑	Tetrachloro-m-xylene-D2	B	22.44539					
☐	Decachlorobiphenyl	A	25.4629				16.58	
☑	Decachlorobiphenyl-D1	A	25.4629					
☑	Decachlorobiphenyl-D2	B	21.56483					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.54**	
4.88	4.90	4.92	6377484	3540.438534			1
5.29	5.31	5.33	10212220	4314.214025			2
5.36	5.38	5.40	4662582	3891.756506			3
5.52	5.54	5.56	4946522	3990.546131			4
5.76	5.78	5.80	13822380	4687.352965			5
5.96	5.98	6.00	7553088	4166.753974			6

Height summation: **47574276**
Concentration CF: **4098.510356** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.79**	
4.64	4.65	4.68	5393910	3946.156785			1
4.75	4.76	4.78	4266562	3590.387068			2
4.88	4.89	4.92	5532086	4084.409316			3
5.11	5.12	5.15	3133773	3526.323479			4
5.30	5.32	5.34	8587221	4144.875664			5
5.56	5.58	5.60	5186429	3718.152796			6

Height summation: **32099981**
Concentration CF: **3835.050851** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<502.9586	<97.6331	D1		4	
☑	PCB-1221			<502.9586	<150.8876	D1		3	
☑	PCB-1232			<502.9586	<121.3018	D1		4	
☑	PCB-1242			<502.9586	<121.3018	D1		4	
☑	PCB-1248			<502.9586	<97.6331	D1		4	
☑	PCB-1254			<502.9586	<130.1775	D1		4	
☑	PCB-1260	A	4098.510356	502.9586	115.3846	D1	6.64	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:59

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229550** ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

P60
B005

Analysis Report (A)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 63% (61-152) Conc.: 19.08916
%SSR(DCB) : 95% (48-164) Conc.: 25.4629

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	97.54	
3.27	3.28	3.31	18997.1	18.706818			1
3.48	3.50	3.52	51319.33	48.628286			2
+ 3.48	3.52	3.52	24462.92	23.180152			2
3.60	3.62	3.64	42914.94	35.265031			3
3.82	3.84	3.86	126721.1	89.409356			4
+ 3.88	3.88	3.92	2211.297	1.865792			5
3.88	3.90	3.92	100254	84.589773			5
4.08	4.10	4.12	225837.2	256.616553			6
Height Summation:			**566043.67**				
Amount Avg CF:			**88.869303**	Linear:			
Aroclor-1221					3	46.33	
3.16	3.18	3.20	15187.99	29.209946			1
+ 3.16	3.20	3.20	11503.39	22.123625			1
3.22	3.23	3.26	14992.21	33.444478			2
+ 3.22	3.24	3.26	9288.72	20.721187			2
3.27	3.28	3.31	18997.1	11.761674			3
Height Summation:			**49177.3**				
Amount Avg CF:			**24.805366**	Linear:			
Aroclor-1232					6	110.36	
3.26	3.28	3.30	18997.1	15.356241			1
+ 3.48	3.48	3.52	11214.84	22.899591			2
3.48	3.50	3.52	51319.33	104.78898			2
+ 3.48	3.52	3.52	24462.92	49.950856			2
3.60	3.62	3.64	42914.94	75.259678			3
3.82	3.84	3.86	126721.1	181.648174			4
+ 3.88	3.88	3.92	2211.297	4.20701			5
3.88	3.90	3.92	100254	190.734021			5
+ 4.08	4.08	4.12	8368.638	23.236538			6
4.08	4.10	4.12	225837.2	627.064362			6
Height Summation:			**566043.67**				
Amount Avg CF:			**199.141909**	Linear:			
Aroclor-1242					6	100.36	
3.27	3.28	3.31	18997.1	21.835114			1
3.48	3.50	3.52	51319.33	58.603979			2
+ 3.48	3.52	3.52	24462.92	27.93537			2
3.60	3.62	3.64	42914.94	42.332504			3
3.82	3.84	3.86	126721.1	103.738718			4
+ 3.88	3.88	3.92	2211.297	2.415139			5
3.88	3.90	3.92	100254	109.495604			5
4.08	4.10	4.12	225837.2	324.455683			6
Height Summation:			**566043.67**				
Amount Avg CF:			**110.076934**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 74% (61-152) Conc.: 22.44539
%SSR(DCB) : 81% (48-164) Conc.: 21.56483

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	79.98	
3.02	3.05	3.06	234101.1	430.939996			1
3.35	3.37	3.39	34281.27	52.065459			2
+ 3.54	3.55	3.58	10148.64	15.454545			3
3.54	3.56	3.58	50243.61	76.51194			3
3.62	3.64	3.66	70539.12	103.28167			4
3.68	3.69	3.72	262144.4	508.631641			5
+ 3.68	3.71	3.72	19460.35	37.758387			5
3.79	3.80	3.83	173496.6	302.916346			6
Height Summation:			**824806.1**				
Amount Avg CF:			**245.724509**	Linear:			
Aroclor-1221					3	110.66	
2.90	2.92	2.94	9330.666	29.271355			1
2.96	2.97	3.00	11838.22	64.253141			2
3.02	3.05	3.06	234101.1	289.764377			3
Height Summation:			**255269.986**				
Amount Avg CF:			**127.762958**	Linear:			
Aroclor-1232					6	97.31	
3.02	3.05	3.06	234101.1	366.369628			1
3.35	3.37	3.39	34281.27	111.9406			2
+ 3.54	3.55	3.58	10148.64	32.425868			3
3.54	3.56	3.58	50243.61	160.533105			3
3.62	3.64	3.66	70539.12	236.786182			4
3.68	3.69	3.72	262144.4	1376.651789			5
+ 3.68	3.71	3.72	19460.35	102.196063			5
3.79	3.80	3.83	173496.6	745.386732			6
Height Summation:			**824806.1**				
Amount Avg CF:			**499.611339**	Linear:			
Aroclor-1242					6	82.08	
3.02	3.05	3.06	234101.1	500.932082			1
3.35	3.37	3.39	34281.27	61.578796			2
+ 3.54	3.55	3.58	10148.64	17.555433			3
3.54	3.56	3.58	50243.61	86.91296			3
3.62	3.64	3.66	70539.12	127.381769			4
3.68	3.69	3.72	262144.4	655.526347			5
+ 3.68	3.71	3.72	19460.35	48.66315			5
3.79	3.80	3.83	173496.6	368.910179			6
Height Summation:			**824806.1**				
Amount Avg CF:			**300.207022**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229550** ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**129.55**	
3.82	3.84	3.86	126721.1	162.96739			1
+ 3.88	3.88	3.92	2211.297	3.40281			2
3.88	3.90	3.92	100254	154.273865			2
3.95	3.97	3.99	387686.1	349.98242			3
+ 4.08	4.08	4.12	8368.638	6.750931			4
4.08	4.10	4.12	225837.2	182.181542			4
4.17	4.19	4.21	216371.8	209.342152			5
4.36	4.36	4.40	1603658	1614.936523			6
+ 4.36	4.38	4.40	193115.7	194.473882			6

Height Summation: **2660528.2**
Amount Avg CF: **445.613982** Linear:

Aroclor-1254					**6**	**97.39**	
4.69	4.71	4.73	559394.2	461.365877			1
+ 4.69	4.73	4.73	505405.9	416.838494			1
4.76	4.78	4.80	2571998	1070.000569			2
4.88	4.90	4.92	6377484	8713.253261			3
4.97	4.99	5.01	1443244	920.316856			4
5.17	5.20	5.21	4073045	3321.79721			5
5.29	5.31	5.33	10212220	6525.234701			6

Height Summation: **25237385.2**
Amount Avg CF: **3501.994746** Linear:

Aroclor-1260					**6**	**9.54**	
4.88	4.90	4.92	6377484	3540.438534			1
5.29	5.31	5.33	10212220	4314.214025			2
5.36	5.38	5.40	4662582	3891.756506			3
5.52	5.54	5.56	4946522	3990.546131			4
5.76	5.78	5.80	13822380	4687.352965			5
5.96	5.98	6.00	7553088	4166.753974			6

Height Summation: **47574276**
Amount Avg CF: **4098.510356** Linear:

Aroclor-1262					**6**	**45.65**	
E 5.35	5.38	5.39	4662582	2407.192864			1
E 5.52	5.54	5.56	4946522	2968.487229			2
E 5.75	5.78	5.79	13822380	3977.067781			3
E 5.96	5.98	6.00	7553088	3349.359204			4
+ 6.01	6.03	6.05	131945.1	124.000126			5
6.01	6.03	6.05	559197.5	525.525845			5
E 6.38	6.41	6.42	2702157	2330.267698			6

Height Summation: **34245926.5**
Amount Avg CF: **2592.983437** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**100.97**	
+ 3.54	3.55	3.58	10148.64	31.561664			1
3.54	3.56	3.58	50243.61	156.254624			1
3.62	3.64	3.66	70539.12	180.857931			2
3.68	3.69	3.72	262144.4	456.985359			3
+ 3.68	3.71	3.72	19460.35	33.924414			3
3.79	3.80	3.83	173496.6	218.061226			4
3.88	3.88	3.92	97429.72	202.509385			5
+ 3.88	3.90	3.92	58789.28	122.194552			5
4.02	4.04	4.06	1205634	1203.087972			6

Height Summation: **1859487.45**
Amount Avg CF: **402.959416** Linear:

Aroclor-1254					**6**	**97.20**	
4.34	4.35	4.38	624382.4	740.209376			1
+ 4.40	4.42	4.44	634160.8	433.118124			2
4.40	4.43	4.44	864334.2	590.321583			2
4.50	4.51	4.54	4201135	5932.05172			3
4.57	4.58	4.61	658418.8	725.840536			4
E 4.64	4.65	4.68	5393910	9350.869743			5
4.88	4.89	4.92	5532086	5119.860967			6

Height Summation: **17274266.4**
Amount Avg CF: **3743.192321** Linear:

Aroclor-1260					**6**	**6.79**	
4.64	4.65	4.68	5393910	3946.156785			1
4.75	4.76	4.78	4266562	3590.387068			2
4.88	4.89	4.92	5532086	4084.409316			3
5.11	5.12	5.15	3133773	3526.323479			4
5.30	5.32	5.34	8587221	4144.875664			5
5.56	5.58	5.60	5186429	3718.152796			6

Height Summation: **32099981**
Amount Avg CF: **3835.050851** Linear:

Aroclor-1262					**6**	**33.11**	
4.91	4.93	4.95	2416312	1883.698385			1
E 5.11	5.12	5.15	3133773	2327.294666			2
E 5.30	5.32	5.34	8587221	3417.508022			3
5.52	5.53	5.56	1314137	1361.238306			4
E 5.56	5.58	5.60	5186429	2976.453273			5
5.94	5.96	5.98	1816260	1894.789144			6

Height Summation: **22454132**
Amount Avg CF: **2310.163633** Linear:

Aroclor-1268					**6**	**123.62**	
5.52	5.53	5.56	1314137	436.617664			1
5.56	5.58	5.60	5186429	1692.746827			2
5.72	5.73	5.76	113717.2	43.361674			3
5.79	5.80	5.82	36098.45	52.647451			4
+ 5.79	5.82	5.82	26581.25	38.767179			4
5.94	5.96	5.98	1816260	1731.859073			5
6.14	6.16	6.18	368007.6	42.416707			6

Height Summation: **8834649.25**
Amount Avg CF: **666.608233** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229550** ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.14 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0076.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**134.88**	
5.96	5.98	5.99	7553088	1798.41386			1
+ 6.01	6.03	6.05	131945.1	36.672068			2
6.01	6.03	6.05	559197.5	155.420163			2
+ 6.15	6.15	6.19	53125.7	16.024969			3
6.15	6.17	6.19	64040.41	19.317309			3
6.21	6.23	6.25	140413.4	158.326718			4
E 6.38	6.41	6.42	2702157	2065.756182			5
6.58	6.61	6.62	475154.7	46.85375			6

Height Summation: **11494051.01**
Amount Avg CF: **707.347997** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 09:48:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0076.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			502.9585	97.6331		** 93.76	4	40	
Aroclor-1221			502.9585	150.8876		** 134.97	3	40	
Aroclor-1232			502.9585	121.3018		** 86.00	4	40	
Aroclor-1242			502.9585	121.3018		** 92.68	4	40	
Aroclor-1248			502.9585	97.6331		10.05	4	40	
Aroclor-1254			502.9585	130.1775		6.66	4	40	
Aroclor-1260			502.9585	115.3846		6.64	4	40	
Aroclor-1262			502.9585	97.6331	E	11.54	4	40	
Aroclor-1268			502.9585	97.6331	E	5.93	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:48:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0076.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		25377	29864
1.532		29957	23844
1.557		14964	10683
1.599		69912	146698
1.658		225800	233363
1.705		66399	106156
1.733		49080	47382
1.764		57220	57619
1.786		8691	4306
1.809		64401	70242
1.834		61221	74974
1.86		24588	15260
1.878		15329	8608
1.892		26774	15823
1.911		29992	16766
1.936		33105	31233
1.956		24085	22302
1.977		29776	21116
2.002		49255	38986
2.02		52534	45797
2.046		33448	27112
2.07		18831	11813
2.088		52609	50330
2.106		45841	38701
2.132		134848	181769
2.193		74320	121617
2.232		72027	146674
2.261		58412	62366
2.292		344122	267907
2.322		53974	35601
2.363		42512	69773
2.401		63756	72621
2.434		24893	14126
2.469		49241	33655
2.483		62858	76402
2.513		23537	27570
2.539		39337	43999
2.581		33816	51831
2.607		32410	30183
2.63		13466	6864
2.647		16301	9481
2.662		18652	15466
2.702		20547	13783
2.727		45289	34305
2.748		470049	298181
2.8		19654	26356
2.835		33883	27618
2.862		25216	19386
2.886		13471	6391
2.902		32000	18811
2.931		8900	9827
2.981		34935	38190
3.004		9061	3993

RT A	Compound A	Height A	Area A
3.029	TCX	1229047	827997
3.08		17704	12948
3.102		25722	33498
3.154		6571	8455
3.18		15188	10731
3.197		11503	5159
3.226		14992	13495
3.241		9289	3573
3.259		7284	3274
3.284		18997	20824
3.31		7372	2861
3.352		371261	299753
3.377		15636	13016
3.405		6872	3668
3.431		8947	5578
3.458		14698	11702
3.481		11215	7152
3.503		51319	33693
3.521		24463	13207
3.573		29292	19521
3.593		10318	8154
3.619		42915	29293
3.646		11130	6852
3.669		10801	7983
3.694		66641	40578
3.727		9513	11359
3.747		10646	8575
3.792		19348	10580
3.804		43624	35120
3.844		126721	102068
3.884		2211	666
3.902		100254	92253
3.947		26390	19224
3.973		387686	280696
4.01		311644	340365
4.041		6921	2976
4.051		14784	7170
4.082		8369	5053
4.102		225837	160759
4.127		50221	33239
4.159		75498	51351
4.185		216372	272809
4.235		47423	37238
4.267		20527	12232
4.28		19966	10243
4.3		6778	3202
4.322		86469	56265
4.359		1603658	1169239
4.378		193116	101829
4.404		287315	239806
4.473		421492	387516
4.517		2506197	2359010
4.552		495278	388378
4.593		26897	17874
4.617		98487	74881
4.658		894316	880835
4.713		559394	390420
4.73		505406	354570
4.776		2571998	2189073
4.824		2613746	2812231
4.862		783290	567997
4.902		6377484	5823742
4.949		200697	197266
4.992		1443245	1470666
5.026		98315	67122
5.052		1283135	1153049

RT A	Compound A	Height A	Area A
5.104		6982048	5593559
5.12		443504	278509
5.155		1424931	1262140
5.196		4073045	4228718
5.239		162197	103489
5.276		794174	927260
5.311		10212220	9114193
5.333		441484	218817
5.352		196715	92628
5.375		4662582	4016215
5.418		3114985	2864322
5.454		8402	11379
5.516		822864	684530
5.539		4946523	4075219
5.596		2684169	2323442
5.635		1560287	1448783
5.676		247261	264500
5.718		1753484	1557670
5.748		106732	65571
5.775		13822380	13042530
5.98		7553088	7030751
6.026		131945	521287
6.034		559198	406767
6.148		53126	40006
6.169		64040	47455
6.197		2636	1074
6.226		140413	116320
6.252		1169293	1004085
6.316		16635	16633
6.376		7598	4630
6.406		2702157	2535373
6.451		144477	123855
6.478		7685	4573
6.565		1361	508
6.606		475155	454247
6.655		1626	1272
6.72		3085	2369
6.754	DCB	658977	673537
6.825		6979	6659
6.874		2020	496
7.021		2059	1321
7.048		1292	763
7.084		1252	393
7.112		1761	840
7.159		1344	969
7.22		1246	429
7.238		1739	941
7.294		3662	3538
7.348		1828	1156
7.398		1733	1058
7.435		1530	443
7.474		2585	1877
7.524		3579	4250
7.621		1537	4327
7.633		1664	663
7.685		2805	2565
7.781		2116	1737
7.827		1521	1373
7.918		1955	1688
7.977		1644	1589
8.03		1769	2403
8.053		1517	604
8.063		1740	727
8.093		1765	552
8.146		1425	266
8.156		1462	570

RT A	Compound A	Height A	Area A
8.237		19685	33476
8.302		1441	449
8.381		1124	839
8.416		3773	4689
8.507		1218	731
8.531		1768	958
8.549		1649	1399
8.574		1331	623

LANCASTER LABORATORIES

Sample Number: 9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:48:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0076.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.502		2996	808
1.586		14635	12603
1.598		19425	17821
1.639		6605	5446
1.689		7934	7309
1.717		7584	7896
1.761		9620	15479
1.79		10786	8788
1.823		10434	13761
1.847		10373	9249
1.91		50496	85522
1.952		12706	16646
1.971		10479	10605
1.992		14417	14994
2.019		9592	7237
2.042		18646	15516
2.077		183432	153632
2.127		3778	3287
2.142		7443	4431
2.168		7723	5482
2.189		7420	6644
2.223		11840	16925
2.285		16675	19746
2.313		6718	4687
2.355		5113	2465
2.37		4097	2224
2.436		23214	46800
2.492		293775	217278
2.54		2497	1642
2.569		6780	5935
2.59		4292	2180
2.622		9594	7759
2.668		7716	6400
2.704		4857	3021
2.747	TCX	690865	482226
2.837		5546	5629
2.872		3672	4646
2.919		9331	8263
2.948		11225	7344
2.968		11838	8536
3.004		1847	910
3.047		234101	200373
3.082		5534	3350
3.109		10637	6817
3.146		8333	8847
3.173		6554	6150
3.244		41759	52347
3.317		24140	21780
3.368		34281	23372
3.404		43363	29710
3.448		12017	6823
3.467		4039	3501
3.516		11404	5682
3.526		27910	13720

3.547		10149	4692
3.561		50244	50608
3.637		70539	53049
3.67		254773	173602
3.694		262144	171215
3.712		19460	7285
3.729		23576	13921
3.803		173497	127260
3.828		36529	20887
3.85		56248	39315
3.881		97430	61030
3.899		58789	32454
3.941		36674	38559
3.989		78750	85372
4.015		31711	23263
4.037		1205634	912669
4.063		96001	55659
4.085		72476	39049
4.103		231656	162393
4.141		1536576	1226851
4.174		321216	225170
4.194		153464	90615
4.258		54757	48271
4.292		394923	457345
4.323		21006	17191
4.353		624382	505503
4.399		244665	180056
4.417		634161	345471
4.43		864334	483079
4.458		677993	693893
4.512		4201135	3657427
4.553		141476	148488
4.584		658419	477050
4.609		979355	773275
4.654		5393911	4801132
4.711		29501	21548
4.762		4266563	4188048
4.816		740967	732180
4.857		1137616	1050584
4.895		5532087	5093078
4.929		2416312	1884375
4.968		1731571	1512875
5.04		23424	21309
5.073		549983	669660
5.124		3133773	2604836
5.148		423483	281383
5.199		1738935	1657916
5.235		821065	672874
5.263		578074	483001
5.296		178430	117774
5.317		8587221	7365354
5.359		136522	105533
5.394		229808	209303
5.511		52843	33966
5.534		1314137	1175386
5.578		5186429	5874954
5.733		113717	106893
5.777		149539	125038
5.803		36098	23075
5.824		26581	15580
5.852		767602	689046
5.892		5424	4791
5.93		4129	2098
5.956		1816260	1632536
5.988		93080	69023
6.157		368008	361994
6.317	DCB	504548	472834

6.525	38694	53479
6.76	1107	2483
6.795	3697	4589
7.023	1495	2406
7.191	1821	2455
7.324	999	1469
7.382	1702	2095
7.718	1544	1579
7.774	1552	3147
7.881	10095	15361
8.341	1232	2154
8.571	1509	11529
8.627	3143	6136

9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082

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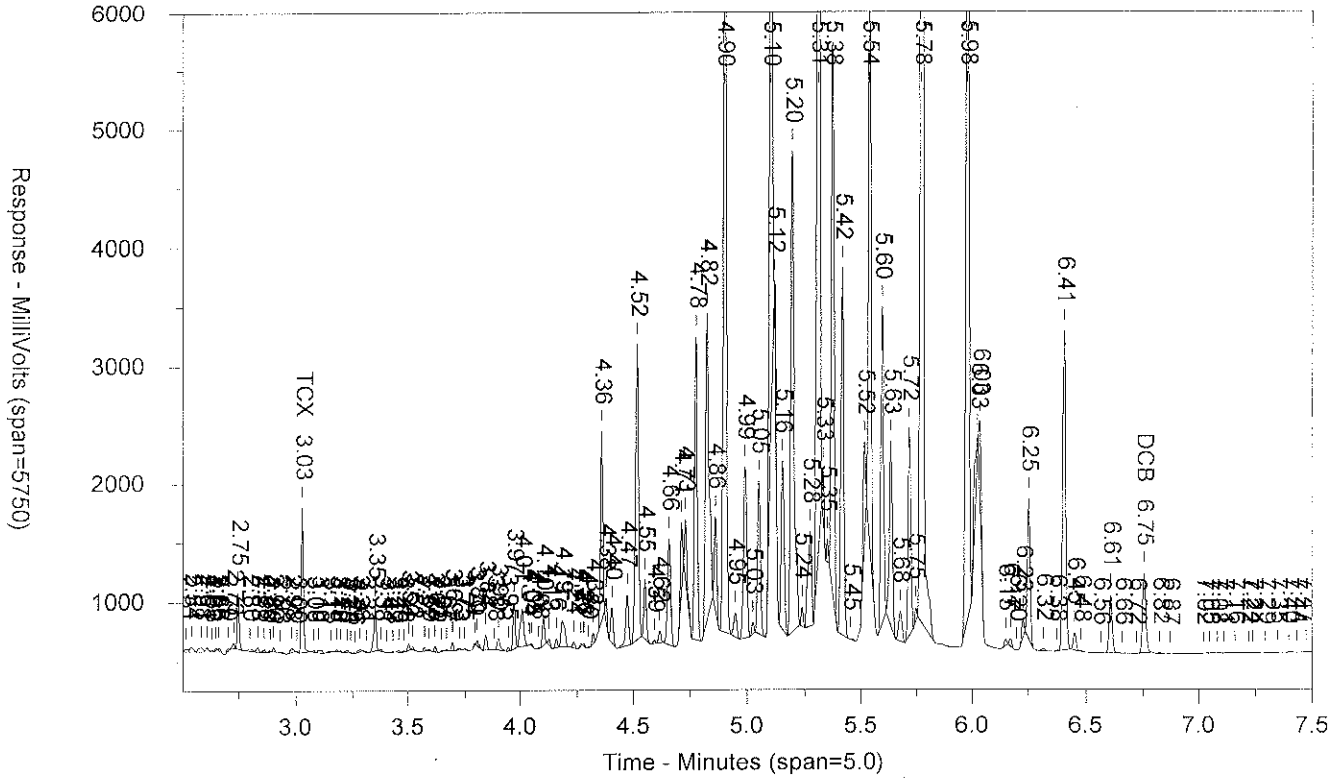

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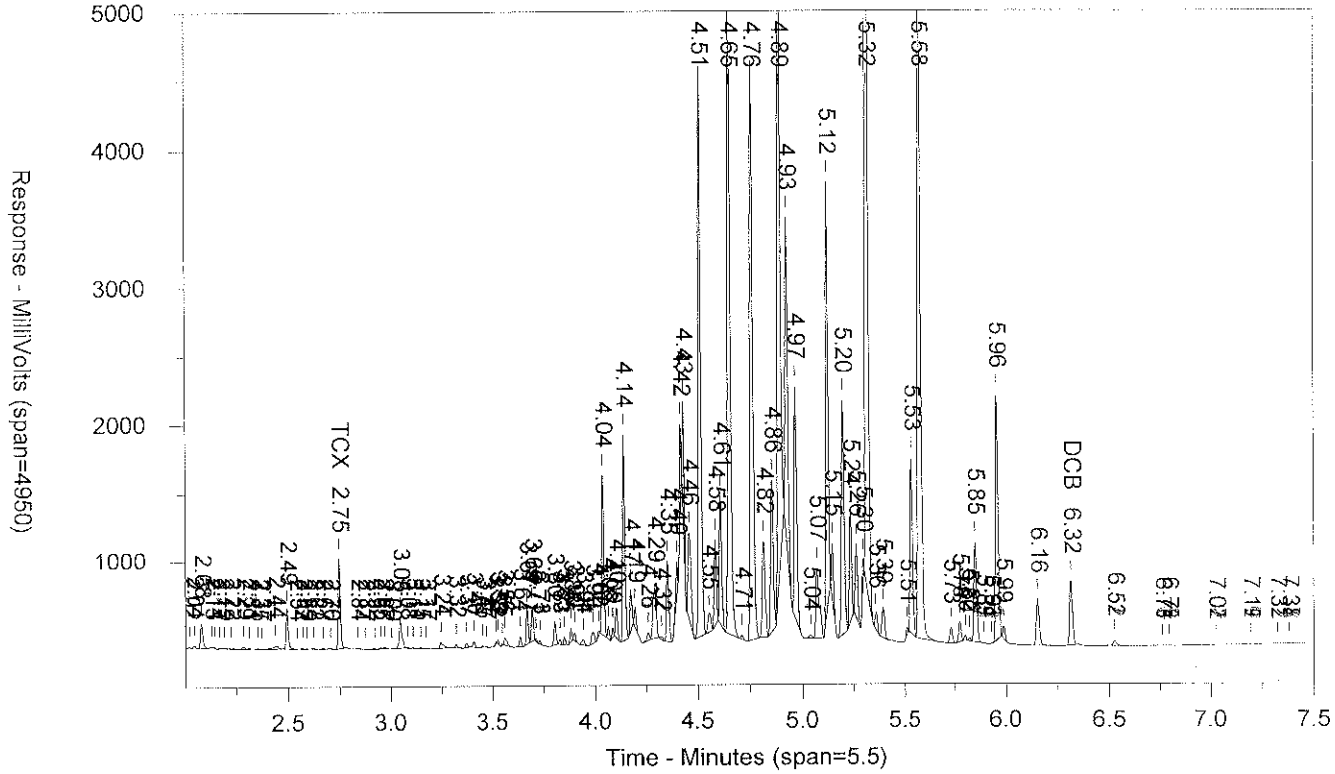

LANCASTER LABORATORIES

Sample Number: 9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:48:28 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: 10.14
Dilution Factor: 100

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	1229047	19.089	TCX	2.747	690865	22.445	TCX
6.754	658977	25.463	DCB	6.317	504548	21.565	DCB

Files:
Area File: 07PCBS17292003.0076.RAW
Area File: 07PCBS17292003B.0076.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:57:13 AM
File Reported On: 10/24/2017 at 9:57:36 AM

9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082

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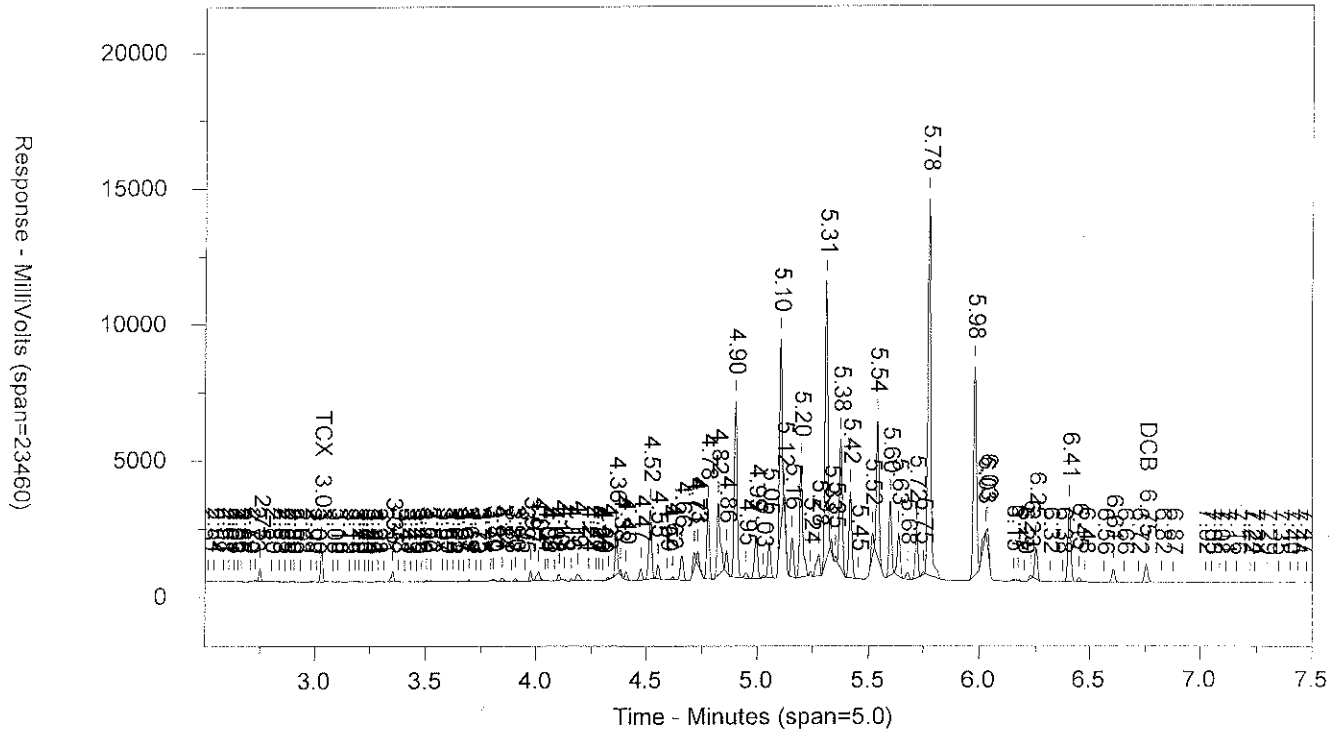

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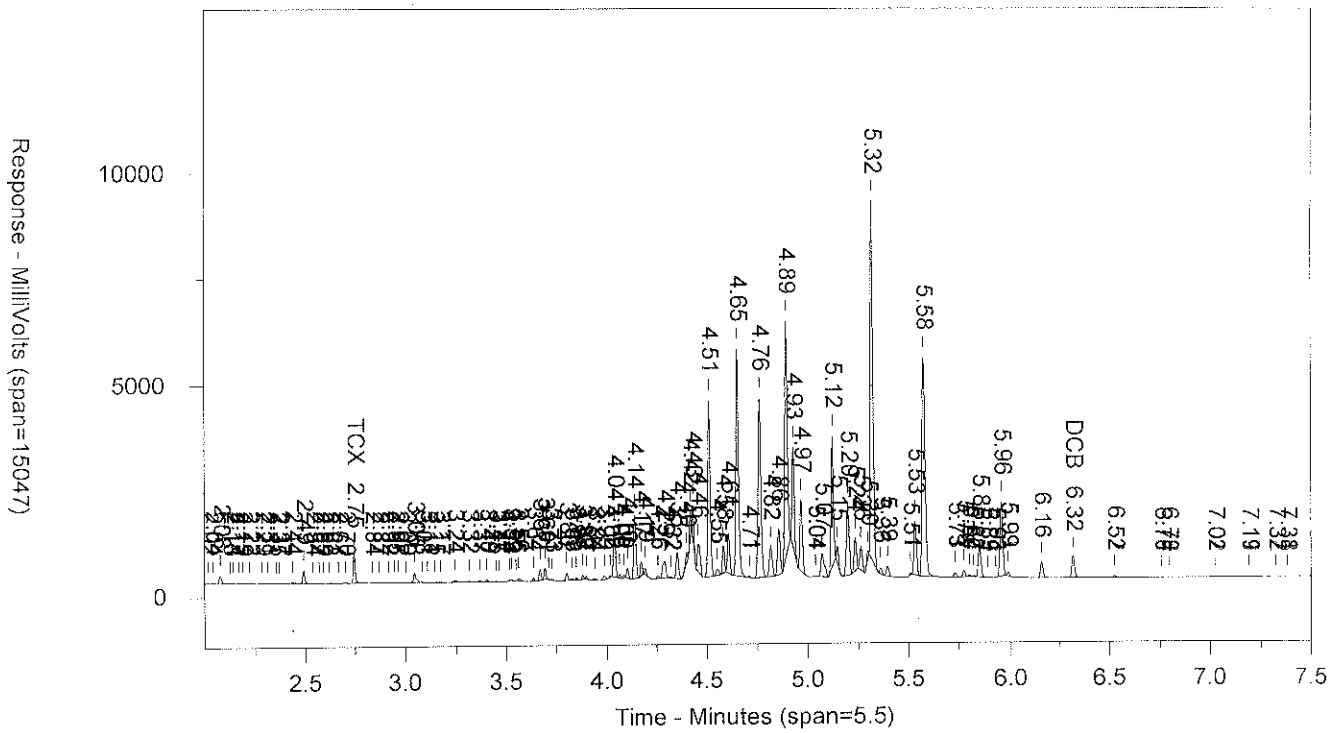

9229550 ACF DF10 AC04A03 T 172860014A 10225 SW-846 8082

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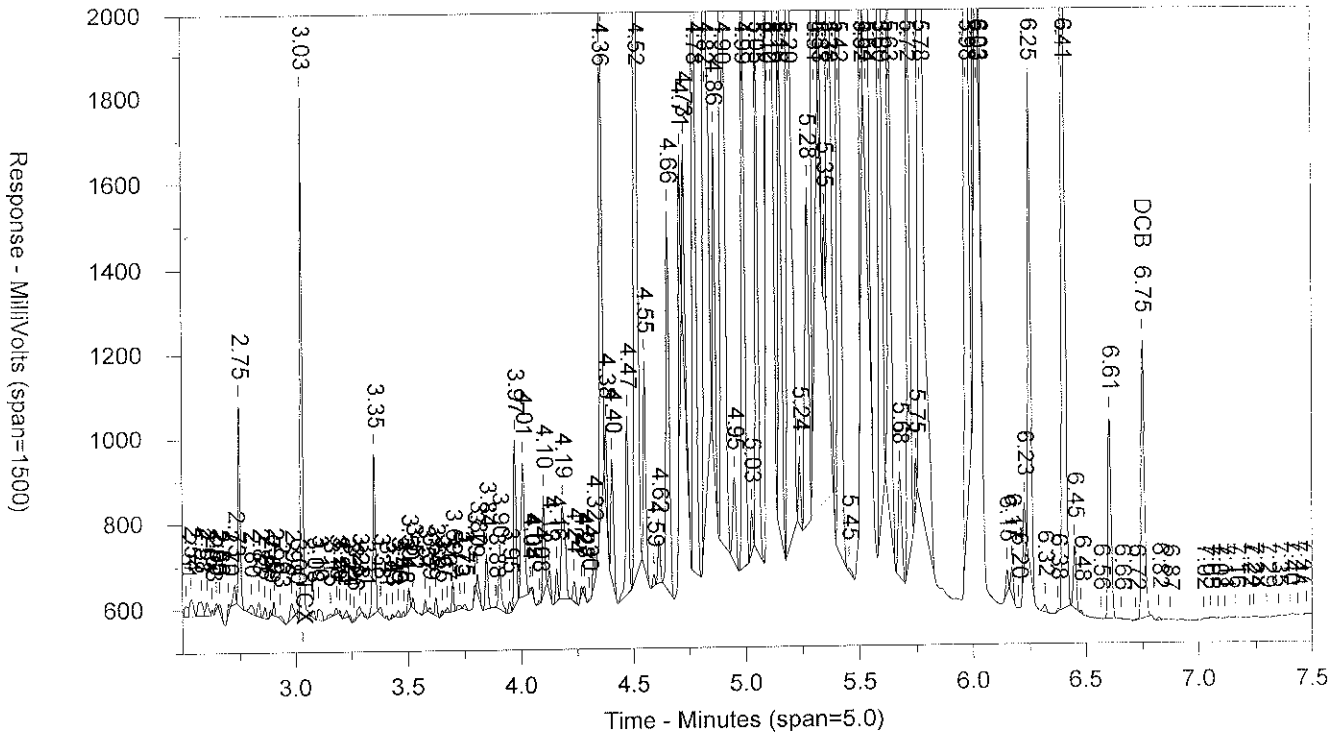

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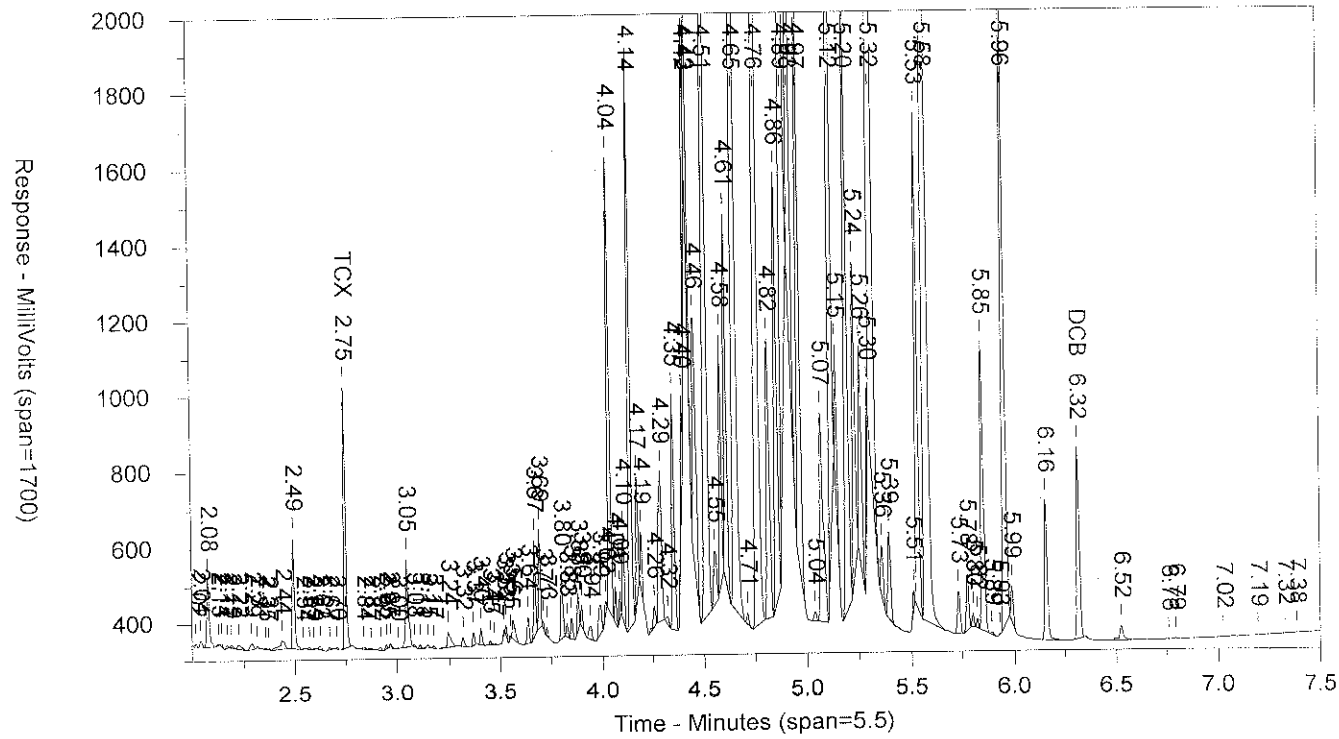

eurofins
Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229553 ACF DF10 04A04 Sample ID:AC **Batchnumber: 172860014A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 10:22:55
Instrument	19843A
Result file	07PCBS17292003.0079.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 67% (61 - 152) Conc: 19.87865
%SSR(DCB) 91% (48 - 164) Conc: 23.97358

Analysis Report (B)

Injected on	Oct 24, 2017 10:22:55
Instrument	19843B
Result file	07PCBS17292003B.0079.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 77% (61 - 152) Conc: 22.7641
%SSR(DCB) 79% (48 - 164) Conc: 20.81306

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1300073	19.87865
Decachlorobiphenyl	6.72	6.76	6.78	630223	23.97358

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	711731	22.7641
Decachlorobiphenyl	6.29	6.32	6.35	494643	20.81306

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.7641				13.53	
☑	Tetrachloro-m-xylene-D1	A	19.87865					
☑	Tetrachloro-m-xylene-D2	B	22.7641					
☐	Decachlorobiphenyl	A	23.97358				14.11	
☑	Decachlorobiphenyl-D1	A	23.97358					
☑	Decachlorobiphenyl-D2	B	20.81306					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.00**	
4.88	4.90	4.92	6436845	3517.88358			1
5.29	5.31	5.33	10959260	4557.886275			2
5.36	5.38	5.40	4471940	3674.649116			3
5.52	5.54	5.56	4840926	3844.692097			4
5.76	5.78	5.80	13605770	4542.225436			5
5.96	5.98	6.00	7222049	3922.242802			6

Height summation: **47536790**
Concentration CF: **4009.929884** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.35**	
4.64	4.65	4.68	5586867	4023.830735			1
4.75	4.76	4.78	4249440	3520.429421			2
4.88	4.90	4.92	6277216	4562.555271			3
5.11	5.12	5.15	3145846	3484.919923			4
5.30	5.32	5.34	8499262	4038.692749			5
5.56	5.58	5.60	5311703	3748.808967			6

Height summation: **33070334**
Concentration CF: **3896.539511** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<495.1456	<96.1165	D1		4	
☑	PCB-1221			<495.1456	<148.5437	D1		3	
☑	PCB-1232			<495.1456	<119.4175	D1		4	
☑	PCB-1242			<495.1456	<119.4175	D1		4	
☑	PCB-1248			<495.1456	<96.1165	D1		4	
☑	PCB-1254			<495.1456	<128.1553	D1		4	
☑	PCB-1260	A	4009.929884	495.1456	113.5922	D1	2.87	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:05

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229553** ACF DF10 04A04 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1260
3005

Analysis Report (A)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 67% (61-152) Conc.: 19.87865
%SSR(DCB) : 91% (48-164) Conc.: 23.97358

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	117.65	
3.27	3.29	3.31	15186.28	14.72193			1
3.48	3.51	3.52	39740.5	37.071661			2
+ 3.48	3.52	3.52	19932.14	18.593564			2
3.60	3.62	3.64	40337.48	32.632117			3
3.82	3.85	3.86	112448.6	78.106794			4
3.88	3.90	3.92	79139.19	65.736788			5
4.08	4.10	4.12	255898.3	286.257792			6
Height Summation:			542750.35				
Amount Avg CF:			85.754514	Linear:			
Aroclor-1221					3	52.45	
3.16	3.18	3.20	13041.14	24.691458			1
+ 3.16	3.20	3.20	6817.69	12.908282			1
3.22	3.23	3.26	14426.77	31.683168			2
3.27	3.29	3.31	15186.28	9.256226			3
Height Summation:			42654.19				
Amount Avg CF:			21.876951	Linear:			
Aroclor-1232					6	130.05	
3.26	3.29	3.30	15186.28	12.085086			1
+ 3.48	3.48	3.52	9666.709	19.431844			2
3.48	3.51	3.52	39740.5	79.885635			2
3.60	3.62	3.64	40337.48	69.640734			3
3.82	3.85	3.86	112448.6	158.685369			4
3.88	3.90	3.92	79139.19	148.224087			5
+ 4.08	4.08	4.12	4618.423	12.62441			6
4.08	4.10	4.12	255898.3	699.49525			6
Height Summation:			542750.35				
Amount Avg CF:			194.66936	Linear:			
Aroclor-1242					6	120.52	
3.27	3.29	3.31	15186.28	17.183843			1
3.48	3.51	3.52	39740.5	44.676607			2
+ 3.48	3.52	3.52	19932.14	22.407881			2
3.60	3.62	3.64	40337.48	39.171927			3
3.82	3.85	3.86	112448.6	90.62473			4
3.88	3.90	3.92	79139.19	85.091721			5
4.08	4.10	4.12	255898.3	361.932878			6
Height Summation:			542750.35				
Amount Avg CF:			106.446951	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 77% (61-152) Conc.: 22.7641
%SSR(DCB) : 79% (48-164) Conc.: 20.81306

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	86.94	
3.02	3.05	3.06	203393.6	368.596632			1
3.35	3.37	3.39	31902.34	47.699747			2
+ 3.54	3.55	3.58	25342.28	37.992231			3
3.54	3.56	3.58	30276.71	45.38975			3
3.62	3.64	3.66	57256.55	82.531383			4
3.68	3.70	3.72	273231.1	521.907634			5
+ 3.68	3.71	3.72	72537.95	138.557104			5
3.79	3.80	3.83	185614.7	319.039782			6
Height Summation:			781675				
Amount Avg CF:			230.860821	Linear:			
Aroclor-1221					3	107.69	
2.90	2.92	2.94	7449.545	23.007035			1
2.96	2.97	3.00	11825.13	63.18509			2
3.02	3.05	3.06	203393.6	247.844652			3
Height Summation:			222668.275				
Amount Avg CF:			111.345593	Linear:			
Aroclor-1232					6	108.20	
3.02	3.05	3.06	203393.6	313.36755			1
3.35	3.37	3.39	31902.34	102.554329			2
+ 3.54	3.55	3.58	25342.28	79.713189			3
3.54	3.56	3.58	30276.71	95.234253			3
3.62	3.64	3.66	57256.55	189.213546			4
3.68	3.70	3.72	273231.1	1412.584316			5
+ 3.68	3.71	3.72	72537.95	375.015767			5
3.79	3.80	3.83	185614.7	785.061695			6
Height Summation:			781675				
Amount Avg CF:			483.002615	Linear:			
Aroclor-1242					6	89.58	
3.02	3.05	3.06	203393.6	428.46308			1
3.35	3.37	3.39	31902.34	56.415385			2
+ 3.54	3.55	3.58	25342.28	43.156888			3
3.54	3.56	3.58	30276.71	51.560024			3
3.62	3.64	3.66	57256.55	101.789538			4
3.68	3.70	3.72	273231.1	672.636496			5
+ 3.68	3.71	3.72	72537.95	178.57291			5
3.79	3.80	3.83	185614.7	388.546291			6
Height Summation:			781675				
Amount Avg CF:			283.235136	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229553** ACF DF10 04A04 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**138.55**	
3.82	3.85	3.86	112448.6	142.36609			1
3.88	3.90	3.92	79139.19	119.890006			2
3.95	3.97	3.99	478611.2	425.353086			3
+ 4.08	4.08	4.12	4618.423	3.66778			4
4.08	4.10	4.12	255898.3	203.224949			4
4.17	4.19	4.21	195645.3	186.348618			5
4.36	4.36	4.40	1864762	1848.705964			6
+ 4.36	4.38	4.40	179620.4	178.073826			6
Height Summation:			**2986504.59**				
Amount Avg CF:			**487.648119**	Linear:			
Aroclor-1254					**6**	**91.73**	
4.69	4.71	4.73	725490.9	589.060919			1
+ 4.69	4.73	4.73	412893.5	335.248071			1
4.76	4.78	4.80	3437268	1407.75639			2
4.88	4.90	4.92	6436845	8657.744028			3
4.97	4.99	5.01	1688603	1060.048907			4
5.17	5.20	5.21	4269301	3427.767945			5
5.29	5.31	5.33	10959260	6893.788188			6
Height Summation:			**27516767.9**				
Amount Avg CF:			**3672.694396**	Linear:			
Aroclor-1260					**6**	**11.00**	
4.88	4.90	4.92	6436845	3517.88358			1
5.29	5.31	5.33	10959260	4557.886275			2
5.36	5.38	5.40	4471940	3674.649116			3
5.52	5.54	5.56	4840926	3844.692097			4
5.76	5.78	5.80	13605770	4542.225436			5
5.96	5.98	6.00	7222049	3922.242802			6
Height Summation:			**47536790**				
Amount Avg CF:			**4009.929884**	Linear:			
Aroclor-1262					**6**	**29.48**	
E 5.35	5.38	5.39	4471940	2272.904051			1
+ 5.52	5.52	5.56	977326.8	577.398669			2
E 5.52	5.54	5.56	4840926	2859.989338			2
E 5.75	5.78	5.79	13605770	3853.931754			3
E 5.96	5.98	6.00	7222049	3152.813944			4
6.01	6.04	6.05	1716033	1587.651667			5
E 6.38	6.41	6.42	2747457	2332.528027			6
Height Summation:			**34604175**				
Amount Avg CF:			**2676.636463**	Linear:			
Aroclor-1268					**6**	**121.47**	
5.96	5.98	5.99	7222049	1692.880324			1
6.01	6.04	6.05	1716033	469.535578			2
+ 6.15	6.15	6.19	44810.39	13.30675			3
6.15	6.17	6.19	60103.43	17.848122			3
6.21	6.23	6.25	149893.3	166.39053			4
E 6.38	6.41	6.42	2747457	2067.759938			5
6.58	6.61	6.62	471801.8	45.80044			6
Height Summation:			**12367337.53**				
Amount Avg CF:			**743.369155**	Linear:			

B005

Analysis Report (B)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**117.51**	
+ 3.54	3.55	3.58	25342.28	77.588697			1
3.54	3.56	3.58	30276.71	92.696098			1
3.62	3.64	3.66	57256.55	144.521822			2
3.68	3.70	3.72	273231.1	468.913312			3
+ 3.68	3.71	3.72	72537.95	124.488063			3
3.79	3.80	3.83	185614.7	229.668047			4
3.88	3.88	3.92	79227.35	162.117374			5
+ 3.88	3.90	3.92	74345.98	152.128969			5
4.02	4.04	4.06	1370976	1346.829066			6
Height Summation:			**1996582.41**				
Amount Avg CF:			**407.45762**	Linear:			
Aroclor-1254					**6**	**93.57**	
4.34	4.35	4.38	746957.6	871.76737			1
+ 4.40	4.40	4.44	209498.5	140.860301			2
4.40	4.42	4.44	1021319	686.703255			2
+ 4.40	4.43	4.44	652110.2	438.458696			2
4.50	4.51	4.54	4412081	6133.134637			3
4.57	4.58	4.61	780896.8	847.487632			4
E 4.64	4.65	4.68	5586867	9534.927049			5
4.88	4.90	4.92	6277216	5719.22323			6
Height Summation:			**18825337.4**				
Amount Avg CF:			**3965.540529**	Linear:			
Aroclor-1260					**6**	**10.35**	
4.64	4.65	4.68	5586867	4023.830735			1
4.75	4.76	4.78	4249440	3520.429421			2
4.88	4.90	4.92	6277216	4562.555271			3
5.11	5.12	5.15	3145846	3484.919923			4
5.30	5.32	5.34	8499262	4038.692749			5
5.56	5.58	5.60	5311703	3748.808967			6
Height Summation:			**33070334**				
Amount Avg CF:			**3896.539511**	Linear:			
Aroclor-1262					**6**	**33.99**	
4.91	4.93	4.95	2249542	1726.446764			1
E 5.11	5.12	5.15	3145846	2299.969244			2
E 5.30	5.32	5.34	8499262	3329.958722			3
5.52	5.53	5.56	1307488	1333.312531			4
E 5.56	5.58	5.60	5311703	3000.994131			5
5.94	5.96	5.98	1854487	1904.615844			6
Height Summation:			**22368328**				
Amount Avg CF:			**2265.882873**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229553** ACF DF10 04A04 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0079.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 10:22:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0079.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**124.32**	
5.52	5.53	5.56	1307488	427.660462			1
5.56	5.58	5.60	5311703	1706.703526			2
5.72	5.73	5.76	109206.2	40.994719			3
+ 5.79	5.80	5.82	35697.5	51.253949			4
5.79	5.82	5.82	35699.67	51.257064			4
5.94	5.96	5.98	1854487	1740.840791			5
6.14	6.16	6.18	377538.9	42.839323			6

Height Summation: **8996122.77**
Amount Avg CF: **668.382647** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			495.1457	96.1165		** 91.66	4	40	
Aroclor-1221			495.1457	148.5437		** 134.31	3	40	
Aroclor-1232			495.1457	119.4175		** 85.10	4	40	
Aroclor-1242			495.1457	119.4175		** 90.73	4	40	
Aroclor-1248			495.1457	96.1165		17.92	4	40	
Aroclor-1254			495.1457	128.1553		7.67	4	40	
Aroclor-1260			495.1457	113.5922		2.87	4	40	
Aroclor-1262			495.1457	96.1165	E	16.62	4	40	
Aroclor-1268			495.1457	96.1165	E	10.62	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:22:55 AM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0079.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.519		13178	13681
1.557		12143	9097
1.6		46901	95434
1.659		166506	178917
1.708		49888	78266
1.733		38770	41155
1.766		52121	57592
1.788		13301	7309
1.809		53104	61979
1.835		56711	79465
1.863		32013	22903
1.88		26574	18354
1.893		33364	24606
1.912		37557	28272
1.936		42822	46411
1.954		33944	37303
1.978		32711	27519
2.003		46771	39742
2.021		46714	39599
2.048		32521	26904
2.07		22083	13959
2.089		43251	41758
2.103		42131	37182
2.134		100956	152501
2.194		67963	119483
2.225		87093	148825
2.261		47653	53375
2.293		230145	189150
2.31		45127	27439
2.323		45771	34210
2.341		17946	11225
2.359		41150	58383
2.402		63517	78319
2.436		28981	17638
2.469		45328	33513
2.485		55665	58054
2.515		26744	30869
2.539		35567	41160
2.573		28238	19251
2.583		28860	24983
2.608		30467	29018
2.632		10596	5088
2.648		16607	8421
2.664		20473	19030
2.703		17288	12451
2.729		36834	27471
2.749		351975	224343
2.801		14216	15715
2.837		27750	24606
2.865		18495	12011
2.888		7526	3339
2.903		21842	12656
2.931		6994	7129

RT A	Compound A	Height A	Area A
2.982		26274	27372
3.03	TCX	1300073	867641
3.082		15193	11636
3.103		11830	6772
3.151		6057	5632
3.182		13041	8601
3.197		6818	3795
3.228		14427	13649
3.257		4638	1672
3.286		15186	18492
3.312		6112	2094
3.354		328435	265147
3.378		10353	7067
3.407		6112	3258
3.433		7456	4513
3.461		10110	9946
3.483		9667	5822
3.505		39741	25058
3.522		19932	9835
3.575		27688	17182
3.594		5758	4450
3.622		40337	27326
3.648		8176	4968
3.67		9382	7083
3.696		56315	34461
3.729		3882	5587
3.749		5159	2719
3.794		11564	6303
3.815		64368	62243
3.847		112449	99070
3.904		79139	60774
3.927		3317	886
3.948		27604	18344
3.974		478611	347286
4.004		59964	50289
4.025		45887	19536
4.043		12424	18122
4.081		4618	2743
4.103		255898	184291
4.129		82417	55943
4.16		118710	85948
4.194		195645	264537
4.238		55025	44351
4.268		21029	12546
4.282		15103	7810
4.323		81832	55827
4.361		1864762	1371212
4.379		179620	89116
4.405		431414	359486
4.474		530371	458711
4.518		2778362	2657828
4.554		774738	610281
4.595		65426	45972
4.618		131465	99807
4.661		950031	907324
4.715		725491	498143
4.731		412894	330908
4.777		3437268	2952077
4.826		2569228	2780015
4.864		852350	602056
4.904		6436845	5823465
4.952		227629	218293
4.995		1688603	1670544
5.027		92593	61362
5.053		1332133	1198660
5.106		6801135	5434060

RT A	Compound A	Height A	Area A
5.121		444094	273775
5.157		1369138	1198844
5.197		4269301	4266861
5.24		231141	148577
5.278		832298	970948
5.312		10959260	9504992
5.336		463449	215630
5.354		224483	101696
5.377		4471940	3836652
5.42		2945669	2721965
5.456		6303	5431
5.519		977327	751250
5.54		4840926	3778165
5.597		2614298	2243371
5.637		1459110	1382695
5.678		234816	243637
5.72		1691614	1530814
5.748		124974	77438
5.776		13605770	12704920
5.865		7723	8433
5.922		3083	1867
5.982		7222049	6914708
6.036		1716033	3311868
6.149		44810	32307
6.17		60103	46500
6.201		2273	947
6.227		149893	119569
6.253		1130083	996294
6.317		15250	15069
6.378		11187	7812
6.408		2747457	2502288
6.453		140611	124162
6.477		4893	3958
6.609		471802	450148
6.644		1955	1192
6.723		3442	2244
6.756	DCB	630223	639743
6.829		5766	5567
6.86		1165	376
7.024		4182	3091
7.05		1028	501
7.094		1348	1372
7.159		6748	6979
7.21		1474	398
7.238		1861	1435
7.301		6660	8332
7.403		1355	669
7.479		3647	4885
7.525		3084	2823
7.612		1941	2213
7.659		1505	473
7.688		3471	2656
7.785		2616	3365
7.833		2429	3977
7.905		1692	541
7.988		1904	3469
8.031		1520	1170
8.101		1776	522
8.183		1987	1718
8.237		1589	2173
8.281		2182	1701
8.315		1940	1368
8.368		1315	413
8.411		1896	1906
8.508		1069	730

LANCASTER LABORATORIES

Sample Number: 9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:22:55 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0079.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.502		3322	1061
1.552		2395	1634
1.587		12672	12855
1.599		17354	19701
1.637		6733	6147
1.689		8142	7818
1.717		7611	8205
1.76		9305	13102
1.79		9014	6104
1.822		10187	14515
1.849		9434	9140
1.91		32026	60322
1.95		9017	9718
1.992		24385	21902
2.02		9282	7072
2.042		15702	13122
2.077		111937	94303
2.127		4393	3800
2.142		6491	3438
2.167		7676	6094
2.19		7527	6379
2.222		11682	18381
2.287		13026	15869
2.313		5880	3967
2.339		3276	1837
2.355		5451	2880
2.437		16402	35517
2.492		214534	158401
2.542		2781	1712
2.566		4632	4570
2.591		3583	2545
2.622		6419	6317
2.669		7691	7267
2.706		5858	5399
2.748	TCX	711731	508492
2.837		4343	4514
2.872		2938	3708
2.919		7450	6169
2.949		7850	5227
2.968		11825	8268
3.004		1946	1263
3.048		203394	174000
3.109		4606	2847
3.145		6006	6841
3.173		5361	5593
3.245		33679	46119
3.318		18429	16966
3.368		31902	27001
3.405		38078	26050
3.45		8142	5477
3.527		38740	35832
3.548		25342	13109
3.563		30277	38784
3.638		57257	42794

3.671		315430	213423
3.695		273231	171246
3.714		72538	36182
3.804		185615	139139
3.829		53056	30551
3.851		85566	62233
3.882		79227	47846
3.9		74346	43285
3.941		41779	41446
3.988		70336	74325
4.015		39619	24235
4.038		1370976	1033016
4.064		120692	68282
4.085		133255	75859
4.104		297318	201896
4.141		1718487	1341260
4.175		464563	324649
4.195		215680	128333
4.258		91389	70775
4.293		458434	479529
4.323		40995	35525
4.354		746958	608731
4.399		209499	192718
4.417		1021319	614020
4.431		652110	349712
4.459		669388	694516
4.512		4412081	3771893
4.552		159754	165278
4.585		780897	573517
4.61		1042063	811777
4.654		5586867	4844690
4.711		67031	50660
4.762		4249440	4278449
4.816		879095	860371
4.857		1173825	1109023
4.895		6277216	5535359
4.929		2249542	1782857
4.969		1751174	1479956
5.039		28835	30038
5.073		529056	682763
5.125		3145846	2542137
5.149		604653	406188
5.2		1707880	1651470
5.236		838341	676681
5.263		585735	487900
5.297		186917	115228
5.318		8499262	7356692
5.36		134789	102871
5.394		226534	202577
5.512		47936	30102
5.535		1307488	1169044
5.58		5311703	5935041
5.734		109206	99783
5.778		158702	131191
5.804		35698	22801
5.825		35700	21923
5.852		777255	694453
5.893		7681	6163
5.931		5261	3095
5.957		1854487	1655990
5.989		95438	70865
6.158		377539	368242
6.318	DCB	494643	480607
6.352		5398	3935
6.493		3391	3329
6.525		20097	21195
6.692		2535	2787

6.761	2407	2246
6.787	6172	7914
7.062	3906	4988
7.151	1552	1415
7.267	1957	1999
7.766	2075	2358
7.883	1575	989
8.194	1578	1663
8.286	1058	904
8.424	2424	8262
8.513	5797	11229
8.624	2821	4988

9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082

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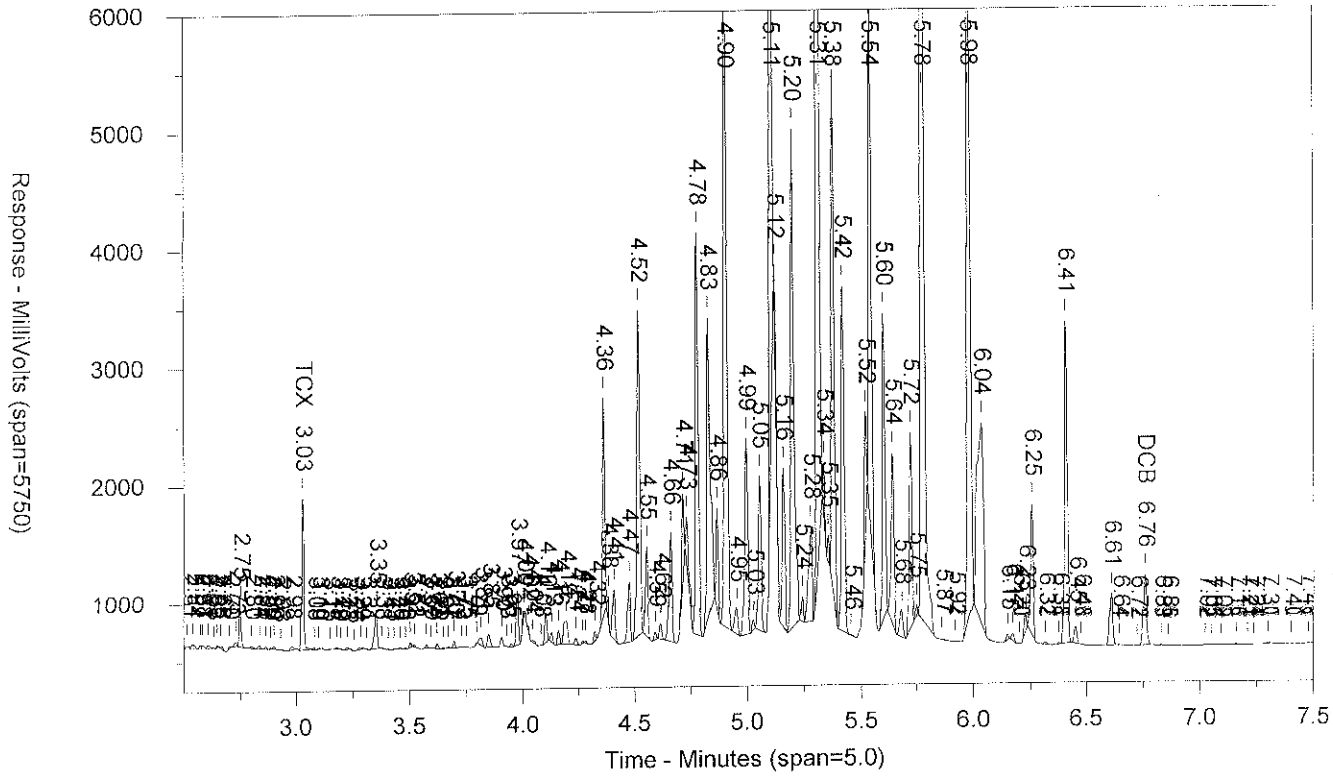

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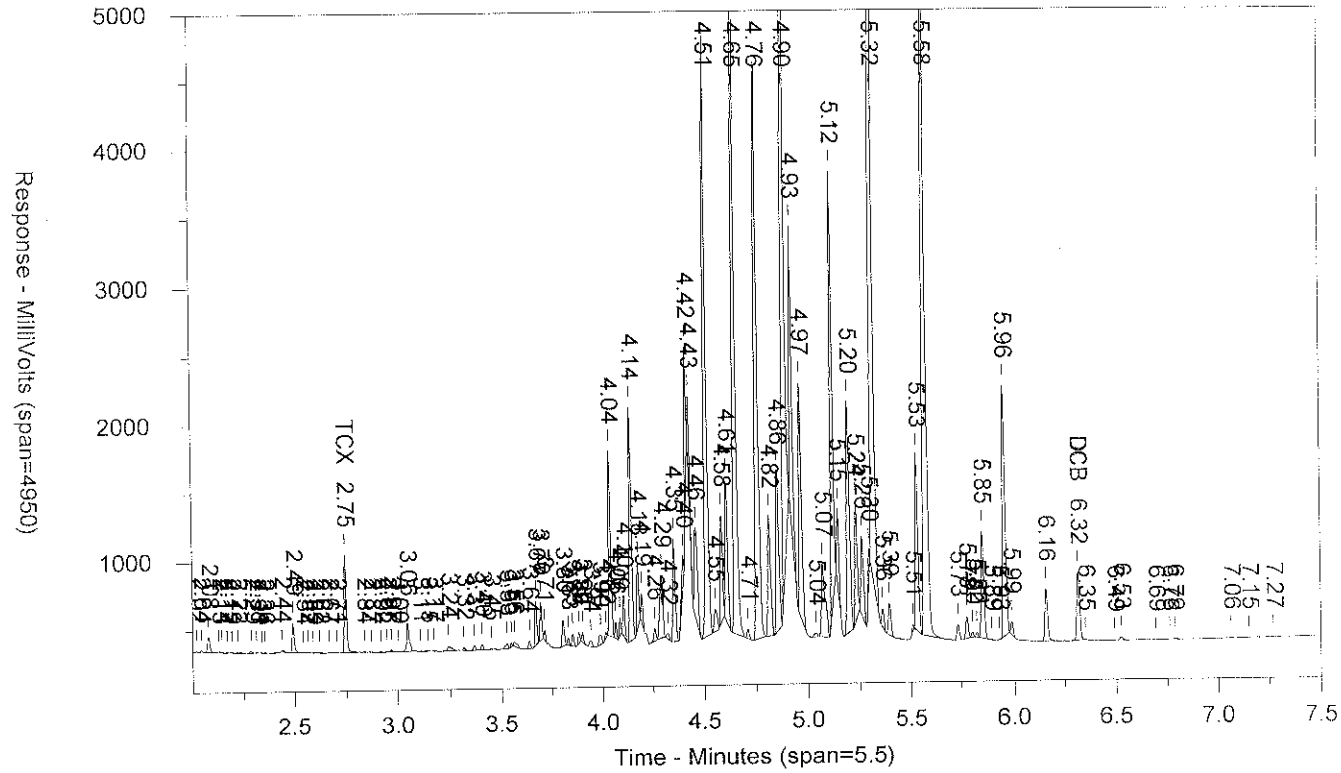

LANCASTER LABORATORIES

Sample Number: 9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:22:55 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.3
Dilution Factor: 100

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	1300073	19.879	TCX	2.748	711731	22.764	TCX
6.756	630223	23.974	DCB	6.318	494643	20.813	DCB

Files:
Area File: 07PCBS17292003.0079.RAW
Area File: 07PCBS17292003B.0079.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 10:31:35 AM
File Reported On: 10/24/2017 at 10:32:02 AM

9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082

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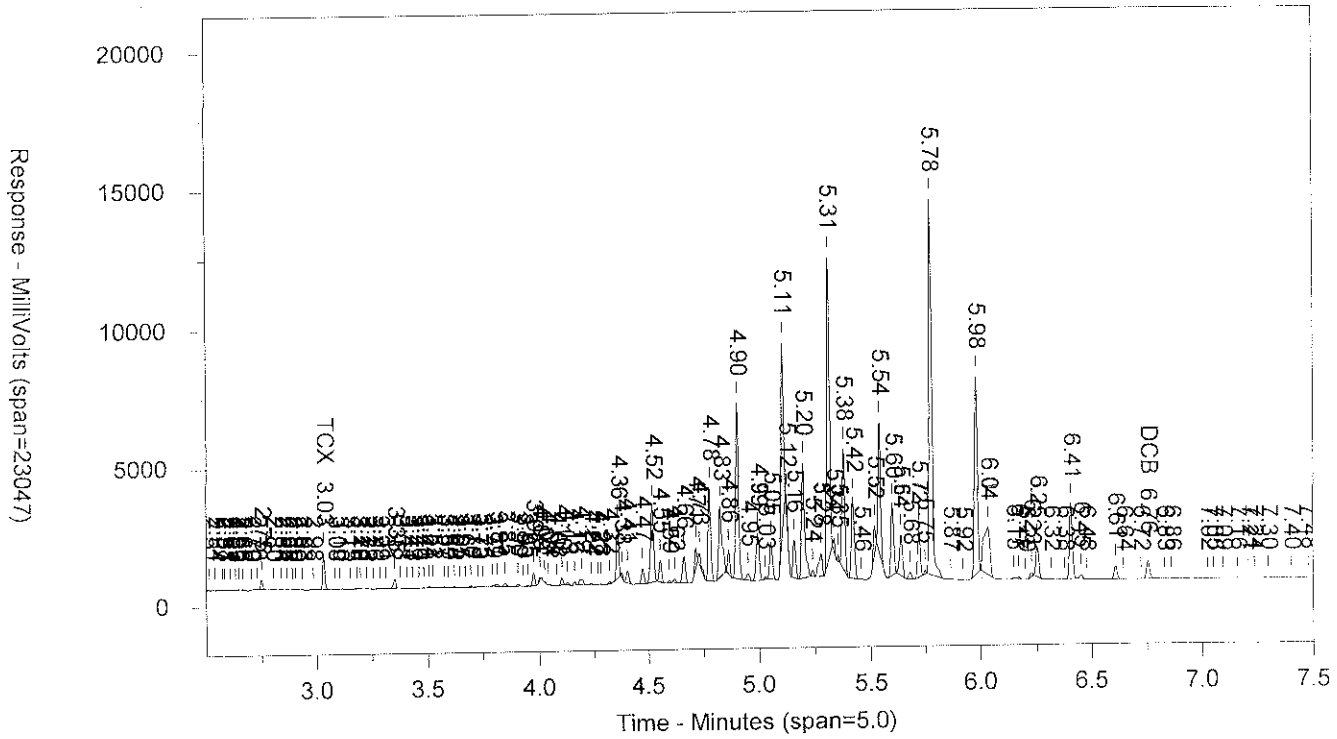

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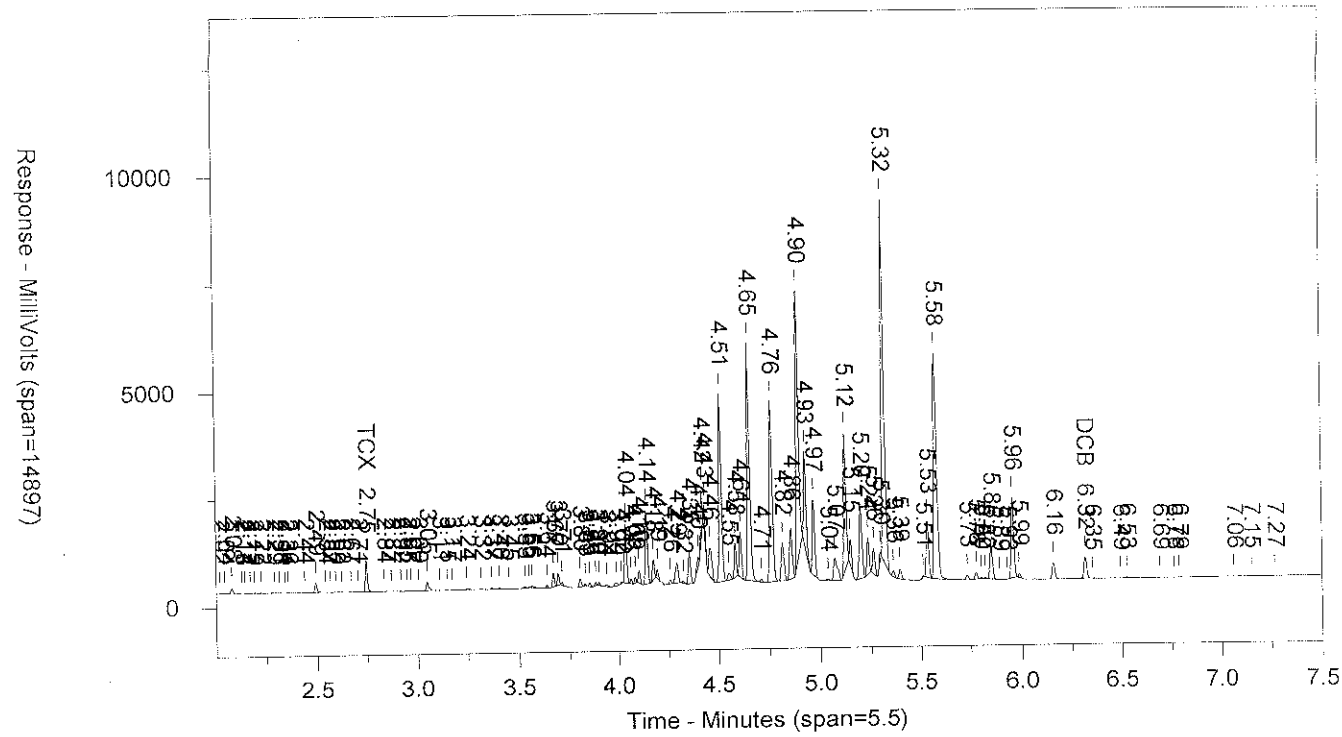

9229553 ACF DF10 AC04A04 T 172860014A 10225 SW-846 8082

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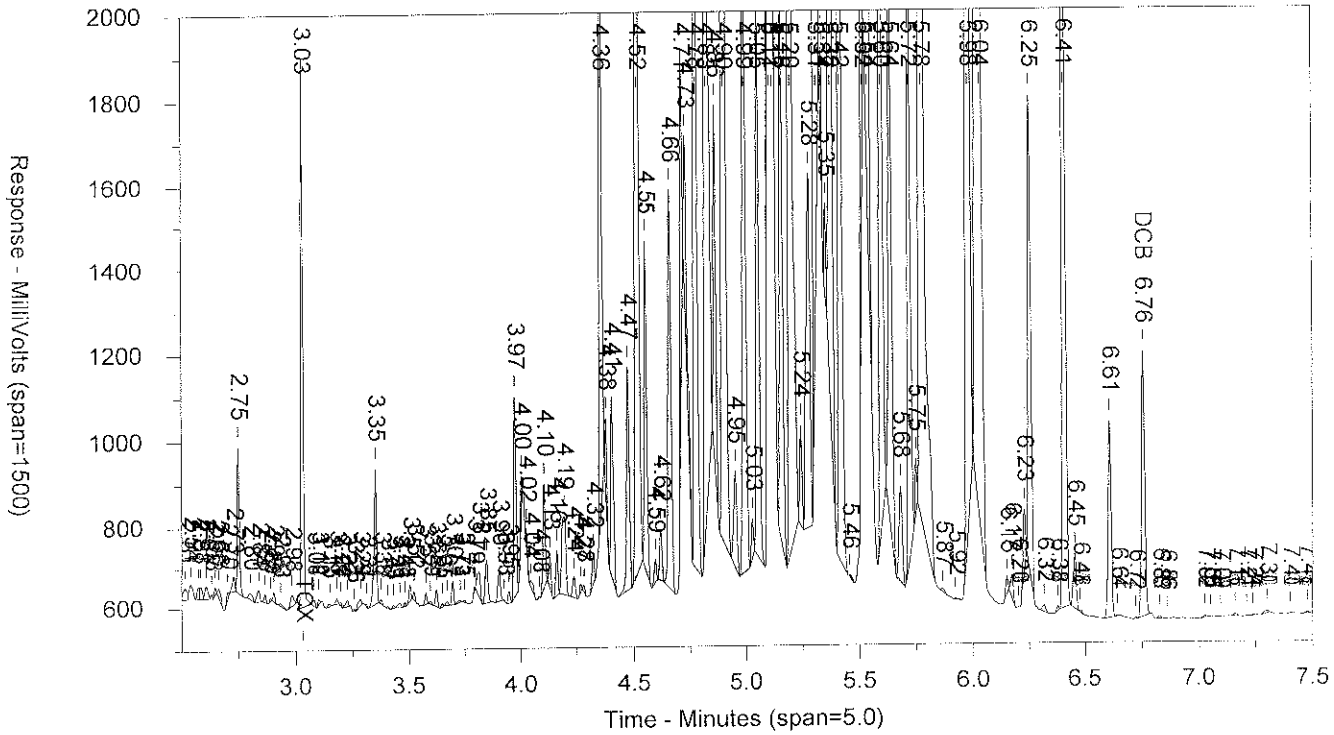

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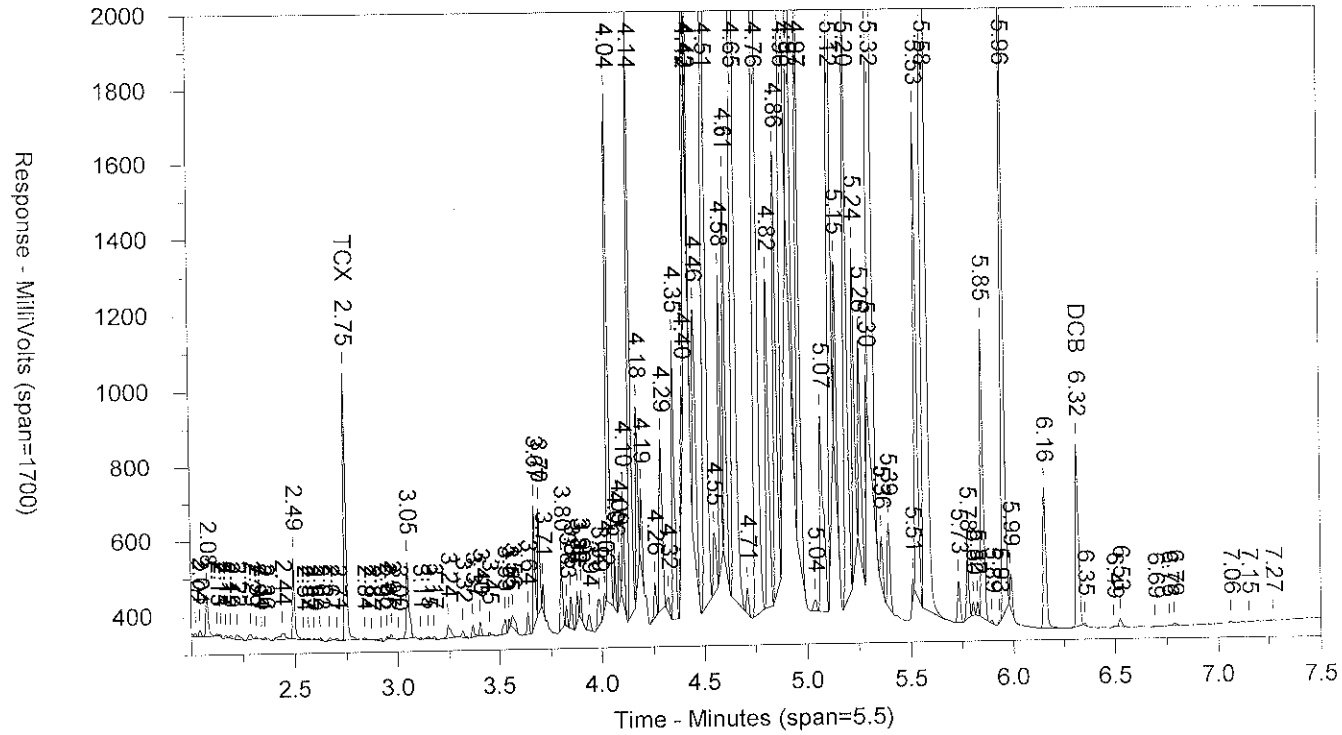

eurofins

Lancaster Laboratories Environment

Data Summary

Sample Name: 9229554 ACF DF50 04A05 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 10:34:19
Instrument	19843A
Result file	07PCBS17292003.0080.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 71% (61 - 152) Conc: 21.46062

%SSR(DCB) 107% (48 - 164) Conc: 28.68931

Analysis Report (B)

Injected on	Oct 24, 2017 10:34:19
Instrument	19843B
Result file	07PCBS17292003B.0080.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 95% (61 - 152) Conc: 28.86107

%SSR(DCB) 98% (48 - 164) Conc: 26.4366

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	274984	21.46062	Tetrachloro-m-xylene	2.72	2.75	2.78	176792	28.86107
Decachlorobiphenyl	6.72	6.75	6.78	147763	28.68931	Decachlorobiphenyl	6.29	6.32	6.35	123096	26.4366

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.86107				29.41	
☑	Tetrachloro-m-xylene-D1	A	21.46062					
☑	Tetrachloro-m-xylene-D2	B	28.86107					
☐	Decachlorobiphenyl	A	28.68931				8.17	
☑	Decachlorobiphenyl-D1	A	28.68931					
☑	Decachlorobiphenyl-D2	B	26.4366					

Multiple Component Data

Aroclor-1260 (%RSD 6.38)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.88	4.90	4.92	3262528	9100.782221			1
5.29	5.31	5.33	4596672	9757.573529			2
5.36	5.38	5.40	2281786	9569.976726			3
5.52	5.54	5.56	2404185	9745.790403			4
5.76	5.78	5.80	6437965	10970.091095			5
5.96	5.98	6.00	3656275	10135.121508			6

Height summation: **22639411**

Concentration CF: **9879.889247** L:

Aroclor-1260 (%RSD 5.93)

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
4.64	4.65	4.68	2821652	10372.677705			1
4.75	4.76	4.78	2065912	8735.581528			2
4.88	4.90	4.92	2649167	9828.029804			3
5.11	5.12	5.15	1653675	9350.214378			4
5.30	5.32	5.34	4145472	10054.249229			5
5.56	5.58	5.60	2707500	9753.130929			6

Height summation: **16043378**

Concentration CF: **9682.313929** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2527.2548	<490.5848	D1		4	
☑	PCB-1221			<2527.2548	<758.1764	D1		3	
☑	PCB-1232			<2527.2548	<609.5144	D1		4	
☑	PCB-1242			<2527.2548	<609.5144	D1		4	
☑	PCB-1248			<2527.2548	<490.5848	D1		4	
☑	PCB-1254			<2527.2548	<654.113	D1		4	
☑	PCB-1260	A	9879.889247	2527.2548	579.782	D1	2.02	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:07

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229554** ACF DF50 04A05 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1760
B005

Analysis Report (A)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0080.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 71% (61-152) Conc.: 21.46062
%SSR(DCB) : 107% (48-164) Conc.: 28.68931

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	100.18	
+ 3.27	3.28	3.31	6724.806	33.274318			1
3.27	3.30	3.31	7030.201	34.785411			1
+ 3.48	3.50	3.52	18160.62	86.468006			2
3.48	3.52	3.52	18822.28	89.618363			2
3.60	3.63	3.64	4864.824	20.087213			3
3.82	3.85	3.86	55971.07	198.433245			4
+ 3.88	3.89	3.92	1514.736	6.421994			5
3.88	3.90	3.92	56679.26	240.301851			5
+ 4.08	4.08	4.12	6087.959	34.759834			6
4.08	4.10	4.12	88771.06	506.847589			6

Height Summation: **232138.695**
Amount Avg CF: **181.678945** Linear:

Aroclor-1221					3	72.30	
+ 3.16	3.18	3.20	9292.331	89.799086			1
3.16	3.20	3.20	16449.93	158.968581			1
+ 3.22	3.22	3.26	16155.08	181.085913			2
3.22	3.24	3.26	16884.12	189.257886			2
+ 3.27	3.28	3.31	6724.806	20.920805			3
3.27	3.30	3.31	7030.201	21.870885			3

Height Summation: **40364.251**
Amount Avg CF: **123.365784** Linear:

Aroclor-1232					6	111.77	
+ 3.26	3.28	3.30	6724.806	27.314557			1
3.26	3.30	3.30	7030.201	28.554998			1
+ 3.48	3.48	3.52	16711.27	171.459237			2
3.48	3.50	3.52	18160.62	186.329707			2
3.60	3.63	3.64	4864.824	42.868449			3
3.82	3.85	3.86	55971.07	403.14614			4
+ 3.88	3.89	3.92	1514.736	14.480388			5
3.88	3.90	3.92	56679.26	541.835454			5
+ 4.08	4.08	4.12	6087.959	84.93861			6
4.08	4.10	4.12	88771.06	1238.525171			6

Height Summation: **231477.035**
Amount Avg CF: **406.876653** Linear:

Aroclor-1242					6	102.60	
+ 3.27	3.28	3.31	6724.806	38.838702			1
3.27	3.30	3.31	7030.201	40.602492			1
+ 3.48	3.50	3.52	18160.62	104.206207			2
3.48	3.52	3.52	18822.28	108.002833			2
3.60	3.63	3.64	4864.824	24.112896			3
3.82	3.85	3.86	55971.07	230.23553			4
+ 3.88	3.89	3.92	1514.736	8.312826			5
3.88	3.90	3.92	56679.26	311.054107			5
+ 4.08	4.08	4.12	6087.959	43.948941			6
4.08	4.10	4.12	88771.06	640.837775			6

Height Summation: **232138.695**
Amount Avg CF: **225.807606** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0080.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 95% (61-152) Conc.: 28.86107
%SSR(DCB) : 98% (48-164) Conc.: 26.4366

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.71	
3.02	3.05	3.06	97276.92	899.787496			1
3.35	3.37	3.39	19111.21	145.847094			2
+ 3.54	3.55	3.58	9995.521	76.484002			3
3.54	3.56	3.58	13185.9	100.896232			3
3.62	3.64	3.66	32926.84	242.247923			4
3.68	3.70	3.72	148695	1449.692682			5
+ 3.68	3.71	3.72	31389.39	306.028911			5
3.79	3.80	3.83	69893.33	613.174756			6

Height Summation: **381089.2**
Amount Avg CF: **575.274364** Linear:

Aroclor-1221					2	72.11	
2.96	2.97	3.00	7200.313	196.370444			2
3.02	3.05	3.06	97276.92	605.017788			3

Height Summation: **104477.233**
Amount Avg CF: **400.694116** Linear:

Aroclor-1232					6	115.89	
3.02	3.05	3.06	97276.92	764.966846			1
3.35	3.37	3.39	19111.21	313.570867			2
+ 3.54	3.55	3.58	9995.521	160.474488			3
3.54	3.56	3.58	13185.9	211.694873			3
3.62	3.64	3.66	32926.84	555.383745			4
3.68	3.70	3.72	148695	3923.707976			5
+ 3.68	3.71	3.72	31389.39	828.291468			5
3.79	3.80	3.83	69893.33	1508.840092			6

Height Summation: **381089.2**
Amount Avg CF: **1213.0274** Linear:

Aroclor-1242					6	95.16	
3.02	3.05	3.06	97276.92	1045.928499			1
3.35	3.37	3.39	19111.21	172.496094			2
+ 3.54	3.55	3.58	9995.521	86.881224			3
3.54	3.56	3.58	13185.9	114.612048			3
3.62	3.64	3.66	32926.84	298.774882			4
3.68	3.70	3.72	148695	1868.36931			5
+ 3.68	3.71	3.72	31389.39	394.411197			5
3.79	3.80	3.83	69893.33	746.761975			6

Height Summation: **381089.2**
Amount Avg CF: **707.823801** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229554** ACF DF50 04A05 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0080.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	136.36	
3.82	3.85	3.86	55971.07	361.686399			1
+ 3.88	3.89	3.92	1514.736	11.712359			2
3.88	3.90	3.92	56679.26	438.259779			2
3.95	3.97	3.99	166847.5	756.837246			3
+ 4.08	4.08	4.12	6087.959	24.677287			4
4.08	4.10	4.12	88771.06	359.82977			4
4.17	4.19	4.21	95659.07	465.049277			5
4.36	4.36	4.40	795304.1	4024.331203			6
+ 4.36	4.38	4.40	65392.84	330.895373			6

Height Summation: **1259232.06**
Amount Avg CF: **1067.665612** Linear:

Aroclor-1254					6	104.12	
+ 4.69	4.71	4.73	171215.5	709.557153			1
4.69	4.73	4.73	311489	1290.883408			1
4.76	4.78	4.80	950780	1987.514075			2
4.88	4.90	4.92	3262528	22397.626622			3
4.97	4.99	5.01	538621.2	1725.829356			4
5.17	5.20	5.21	1859062	7618.414092			5
5.29	5.31	5.33	4596672	14758.298271			6

Height Summation: **11519152.2**
Amount Avg CF: **8296.427637** Linear:

Aroclor-1260					6	6.38	
4.88	4.90	4.92	3262528	9100.782221			1
5.29	5.31	5.33	4596672	9757.573529			2
5.36	5.38	5.40	2281786	9569.976726			3
5.52	5.54	5.56	2404185	9745.790403			4
5.76	5.78	5.80	6437965	10970.091095			5
5.96	5.98	6.00	3656275	10135.121508			6

Height Summation: **22639411**
Amount Avg CF: **9879.889247** Linear:

Aroclor-1262					6	27.34	
5.35	5.38	5.39	2281786	5919.378472			1
5.52	5.54	5.56	2404185	7249.698009			2
5.75	5.78	5.79	6437965	9307.768408			3
5.96	5.98	6.00	3656275	8146.908294			4
6.01	6.03	6.05	877527.8	4143.873938			5
6.38	6.41	6.42	1341979	5815.107522			6

Height Summation: **16999717.8**
Amount Avg CF: **6763.789107** Linear:

Aroclor-1268					6	120.24	
5.96	5.98	5.99	3656275	4374.422656			1
6.01	6.03	6.05	877527.8	1225.518346			2
+ 6.15	6.15	6.19	14622.92	22.16376			3
6.15	6.17	6.19	36473.38	55.282202			3
6.21	6.23	6.25	74537.8	422.317442			4
6.38	6.41	6.42	1341979	5155.027605			5
6.58	6.61	6.62	253642.2	125.674635			6

Height Summation: **6240435.18**
Amount Avg CF: **1893.040481** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0080.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	112.03	
+ 3.54	3.55	3.58	9995.521	156.197569			1
3.54	3.56	3.58	13185.9	206.052844			1
3.62	3.64	3.66	32926.84	424.203618			2
3.68	3.70	3.72	148695	1302.491386			3
+ 3.68	3.71	3.72	31389.39	274.954841			3
3.79	3.80	3.83	69893.33	441.407803			4
3.88	3.88	3.92	36847.07	384.834017			5
+ 3.88	3.90	3.92	25353.11	264.790095			5
4.02	4.04	4.06	602812.2	3022.600322			6

Height Summation: **904360.34**
Amount Avg CF: **963.598332** Linear:

Aroclor-1254					6	100.77	
4.34	4.35	4.38	242457.8	1444.29824			1
+ 4.40	4.40	4.44	170640.9	585.607851			2
+ 4.40	4.42	4.44	159465.1	547.254583			2
4.40	4.43	4.44	562192.3	1929.339477			2
4.50	4.51	4.54	2152236	15270.208817			3
4.57	4.58	4.61	247828.3	1372.798154			4
4.64	4.65	4.68	2821652	24579.245932			5
4.88	4.90	4.92	2649167	12319.565029			6

Height Summation: **8675533.4**
Amount Avg CF: **9485.909275** Linear:

Aroclor-1260					6	5.93	
4.64	4.65	4.68	2821652	10372.677705			1
4.75	4.76	4.78	2065912	8735.581528			2
4.88	4.90	4.92	2649167	9828.029804			3
5.11	5.12	5.15	1653675	9350.214378			4
5.30	5.32	5.34	4145472	10054.249229			5
5.56	5.58	5.60	2707500	9753.130929			6

Height Summation: **16043378**
Amount Avg CF: **9682.313929** Linear:

Aroclor-1262					6	27.91	
4.91	4.93	4.95	1289110	5049.694738			1
5.11	5.12	5.15	1653675	6170.932467			2
5.30	5.32	5.34	4145472	8289.86927			3
5.52	5.53	5.56	755328.6	3931.391018			4
5.56	5.58	5.60	2707500	7807.570068			5
5.94	5.96	5.98	988912.9	5183.913002			6

Height Summation: **11539998.5**
Amount Avg CF: **6072.228427** Linear:

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229554** ACF DF50 04A05 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.09 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0080.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 10:34:19
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0080.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**122.54**	
5.52	5.53	5.56	755328.6	1260.995048			1
5.56	5.58	5.60	2707500	4440.264385			2
5.72	5.73	5.76	47159.31	90.357483			3
5.79	5.80	5.82	20639.64	151.254292			4
+ 5.79	5.82	5.82	6479.314	47.482614			4
5.94	5.96	5.98	988912.9	4738.156116			5
6.14	6.16	6.18	213371.2	123.575606			6

Height Summation: **4732911.65**
Amount Avg CF: **1800.767155** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2527.2546	490.5847		** 103.99	4	40	
Aroclor-1221			2527.2546	758.1764		** 105.84	3	40	
Aroclor-1232			2527.2546	609.5143		** 99.53	4	40	
Aroclor-1242			2527.2546	609.5143		** 103.26	4	40	
Aroclor-1248			2527.2546	490.5847		10.25	4	40	
Aroclor-1254			2527.2546	654.1129		13.38	4	40	
Aroclor-1260			2527.2546	579.7819		2.02	4	40	
Aroclor-1262			2527.2546	490.5847		10.78	4	40	
Aroclor-1268			2527.2546	490.5847		5.00	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:34:19 AM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0080.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.52		73049	104179
1.6		62278	119090
1.658		299930	336876
1.706		55088	103059
1.733		52768	75309
1.763		25409	19935
1.809		62481	93068
1.832		66187	98272
1.862		40667	31723
1.878		32003	21888
1.894		45872	34660
1.91		66092	65474
1.936		53246	69373
1.959		47762	55792
1.976		50472	60808
2.002		58961	49837
2.021		68402	72128
2.046		56397	53251
2.07		35206	23678
2.085		48890	45496
2.104		55279	72308
2.134		117077	122675
2.165		44472	58443
2.193		82801	130935
2.216		70399	61575
2.234		77950	121533
2.26		61848	73252
2.291		67791	74177
2.31		53434	38561
2.323		58432	44936
2.343		32100	28989
2.365		49073	76675
2.404		73337	98720
2.435		33514	18792
2.482		70462	139530
2.538		44880	84013
2.58		43756	71341
2.606		33875	23406
2.631		20516	13725
2.647		18774	9522
2.663		36324	34468
2.701		32323	24233
2.723		27086	30196
2.749		108092	72437
2.801		38692	67021
2.836		50132	43444
2.862		36516	28678
2.886		22199	10453
2.902		27418	19370
2.931		21028	22015
2.98		39517	36519
3.005		20639	10488
3.029	TCX	274984	188316

RT A	Compound A	Height A	Area A
3.081		21598	15706
3.104		32112	43447
3.152		11012	15330
3.181		9292	6284
3.197		16450	8347
3.22		16155	15140
3.242		16884	7621
3.26		10147	5031
3.283		6725	10350
3.297		7030	2506
3.311		11571	4114
3.353		137293	115028
3.375		18844	14457
3.406		8206	4167
3.431		10030	6633
3.459		19167	16519
3.481		16711	10349
3.505		18161	12066
3.521		18822	10534
3.539		4774	1730
3.573		18747	13653
3.593		10725	8776
3.63		4865	1735
3.647		12585	7356
3.672		11789	7363
3.695		35158	21468
3.717		12546	10308
3.75		10822	11048
3.792		11899	5569
3.804		15711	6515
3.815		10528	4276
3.845		55971	49701
3.885		1515	458
3.903		56679	71421
3.949		34806	28762
3.974		166848	119669
4.01		153153	201269
4.053		15634	9222
4.083		6088	4324
4.103		88771	61447
4.127		29558	20040
4.16		36309	25628
4.186		95659	127243
4.236		22365	17784
4.269		9392	7250
4.303		5221	3816
4.322		42921	27469
4.359		795304	589889
4.378		65393	33172
4.405		150741	130005
4.473		190778	184201
4.517		1191000	1081909
4.553		202197	161913
4.593		13445	8061
4.616		32428	25152
4.658		370608	370881
4.713		171216	110704
4.73		311489	225113
4.776		950780	813266
4.824		1354913	1507573
4.863		350636	249360
4.903		3262528	2943363
4.948		75234	71025
4.993		538621	567057
5.027		41720	28087
5.052		600759	542312

RT A	Compound A	Height A	Area A
5.105		4132160	4865478
5.156		750905	660413
5.197		1859062	1931628
5.24		49149	29546
5.277		338405	398275
5.311		4596673	4138714
5.334		169623	80106
5.353		81656	34692
5.376		2281786	2020127
5.419		1482218	1393000
5.516		365810	304364
5.54		2404185	2052493
5.596		1262615	1143379
5.636		731643	667702
5.677		119515	123572
5.719		779728	704734
5.749		23146	13310
5.776		6437965	6283011
5.981		3656275	3391224
6.035		877528	1678358
6.148		14623	9947
6.17		36473	28204
6.199		2595	1602
6.226		74538	57233
6.252		576271	505701
6.319		5094	4236
6.408		1341979	1299849
6.452		69105	58610
6.482		4146	1627
6.529		1281	686
6.565		1773	792
6.607		253642	239491
6.661		7246	14498
6.754	DCB	147763	153694
6.828		4551	4573
6.886		2809	5425
6.973		1167	1047
6.995		1144	469
7.02		1215	886
7.105		1285	1121
7.176		1747	413
7.241		1783	1454
7.252		1517	867
7.299		3113	2698
7.36		1345	690
7.397		1539	1113
7.439		1713	403
7.531		1132	1405
7.613		2392	2692
7.708		3880	7988
7.817		1391	1284
7.87		1068	264
8.086		1799	3155
8.173		1598	805
8.216		1152	809
8.242		1746	1366
8.286		1182	633
8.395		730	628
8.523		2545	2982

LANCASTER LABORATORIES

Sample Number: 9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:34:19 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: 07PCBS17292003B.0080.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.584		10866	23961
1.637		9706	10655
1.689		6915	6471
1.717		5289	4579
1.757		10913	15175
1.788		9458	7405
1.828		15822	24040
1.848		15983	17534
1.883		13594	14961
1.912		33025	39117
1.95		15917	25710
1.97		12640	13883
1.994		17088	20159
2.018		13847	11321
2.041		26517	22553
2.078		15769	13847
2.099		4945	2725
2.126		13606	18172
2.169		10687	9512
2.192		11911	10096
2.225		17911	26831
2.286		14638	18140
2.313		9487	5509
2.332		5943	4285
2.354		8520	4233
2.372		3489	2284
2.417		4686	4629
2.436		8114	10870
2.492		72459	62035
2.541		4634	2770
2.571		6658	6095
2.591		7349	4493
2.615		8393	11803
2.668		16285	17914
2.697		7720	8574
2.747	TCX	176792	135918
2.809		4372	1922
2.836		11774	11719
2.863		2591	1223
2.891		2072	1272
2.947		8058	5618
2.969		7200	6772
3.047		97277	93236
3.109		4058	2428
3.143		4518	6938
3.17		3727	3919
3.215		3212	3310
3.244		15925	24773
3.317		10328	10942
3.369		19111	21327
3.405		20794	12866
3.451		5043	2640
3.499		2963	2057
3.516		6135	3006

3.527		14084	6393
3.548		9996	4706
3.561		13186	15648
3.637		32927	25550
3.671		94524	61531
3.695		148695	93104
3.713		31389	14804
3.729		8558	5200
3.777		2553	1058
3.804		69893	52539
3.828		17606	10638
3.851		26659	20010
3.882		36847	21737
3.899		25353	14828
3.941		13272	12844
3.99		41393	42154
4.038		602812	494757
4.064		38845	22279
4.086		48970	27276
4.104		109855	72285
4.141		780104	625288
4.175		142584	102287
4.195		55236	30663
4.258		18306	15589
4.292		160324	223900
4.353		242458	192672
4.399		170641	114612
4.417		159465	88540
4.431		562192	350251
4.459		357748	373588
4.512		2152237	1904803
4.555		62961	65848
4.584		247828	178578
4.61		510327	410982
4.654		2821652	2466586
4.763		2065912	2123596
4.818		325126	320644
4.858		585436	546220
4.895		2649167	2431955
4.929		1289110	1040663
4.969		919260	819766
5.038		8011	7039
5.073		304529	357033
5.125		1653675	1423507
5.149		163866	106828
5.2		944888	895089
5.235		439249	364746
5.264		313928	265037
5.297		61448	41334
5.318		4145472	3747936
5.359		77372	59083
5.394		128855	115213
5.511		30853	19462
5.534		755329	663142
5.578		2707501	3030544
5.735		47159	44665
5.777		78478	63485
5.803		20640	14290
5.825		6479	3365
5.852		438470	390367
5.957		988913	893692
5.989		48425	37636
6.157		213371	203000
6.319	DCB	123096	116439
6.493		1998	1617
6.526		6242	6989
6.8		3356	3948

6.831	1800	1719
6.93	2586	12547
7.388	1693	2942
7.504	1173	1184
7.65	1378	2836
8.121	1688	1627
8.299	1422	1243
8.632	4280	9166

9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082

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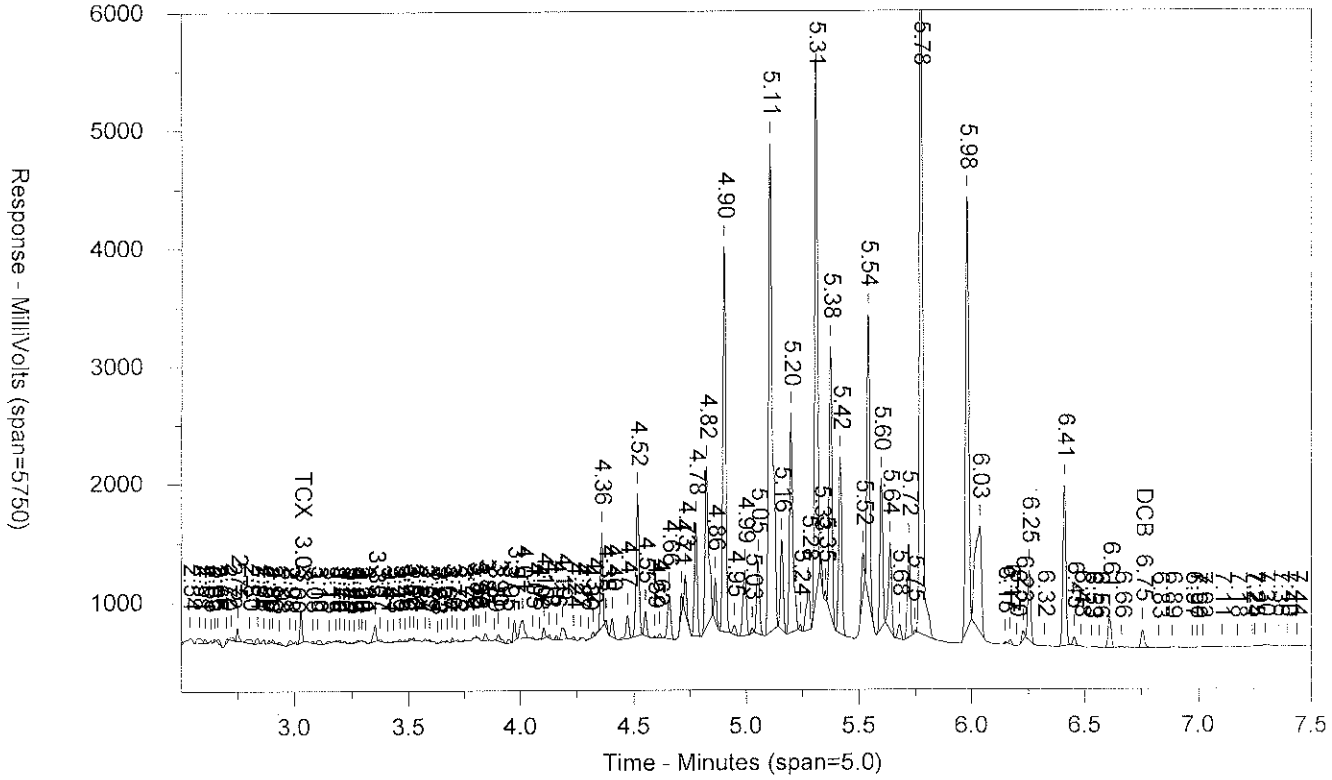

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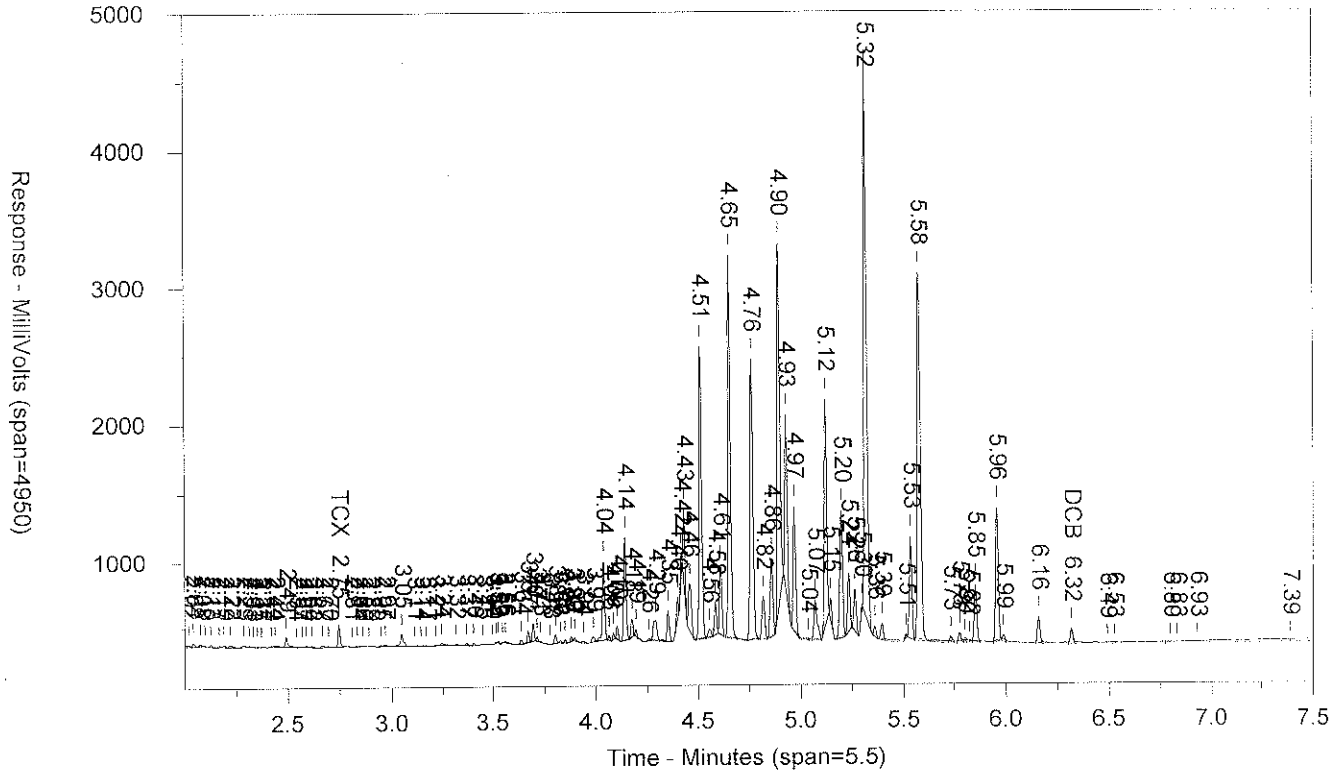

LANCASTER LABORATORIES

Sample Number: 9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:34:19 AM
Sample Weight: 10.09
Instrument ID: CP7-19843A
Dilution Factor: 500
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	274984	21.461	TCX	2.747	176792	28.861	TCX
6.754	147763	28.689	DCB	6.319	123096	26.437	DCB

Files:
Area File: 07PCBS17292003.0080.RAW
Area File: 07PCBS17292003B.0080.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 10:43:01 AM
File Reported On: 10/24/2017 at 10:43:26 AM

9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082

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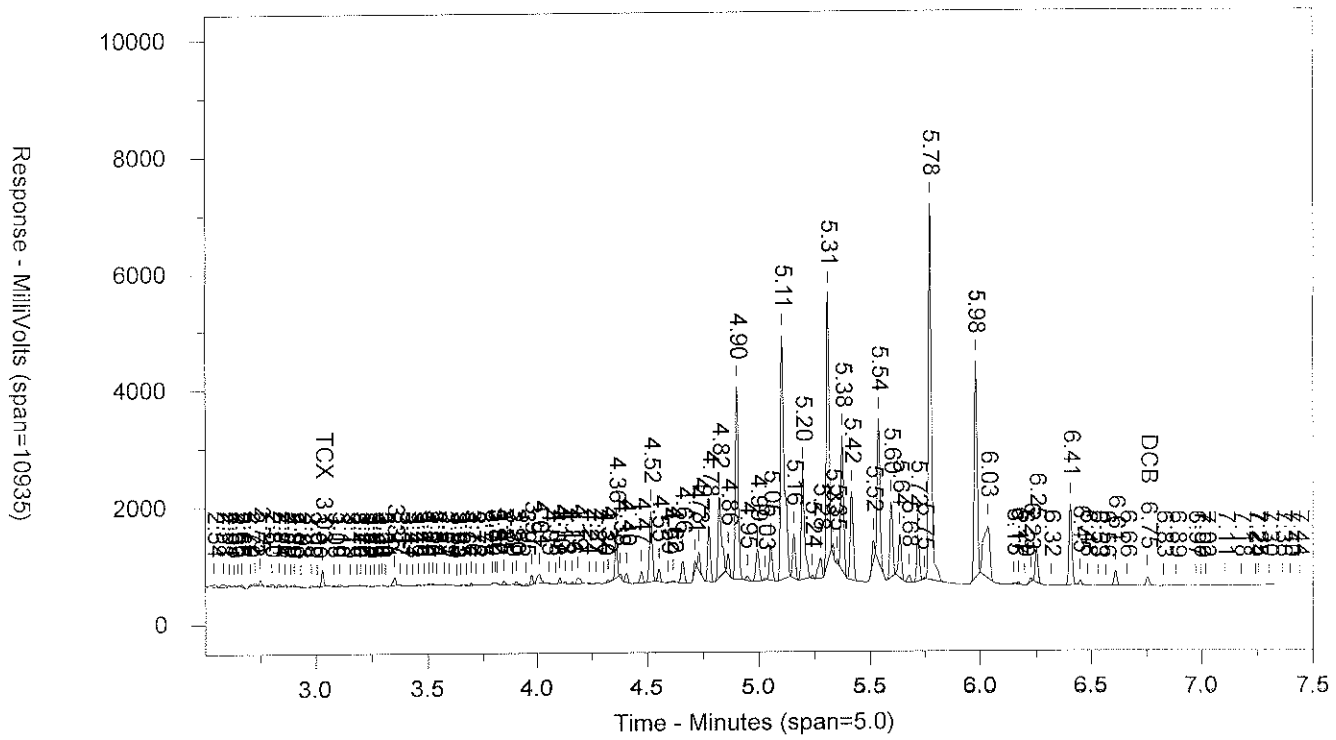

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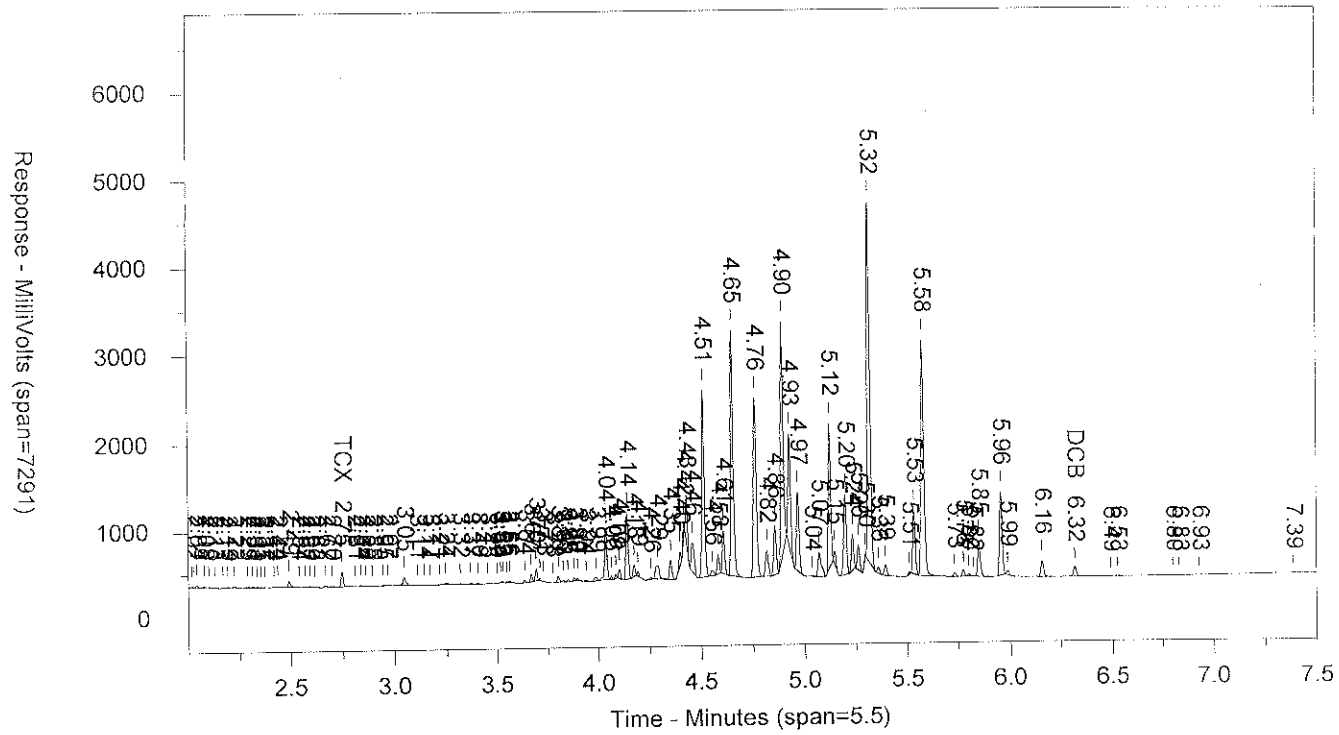

9229554 ACF DF50 AC04A05 T 172860014A 10225 SW-846 8082

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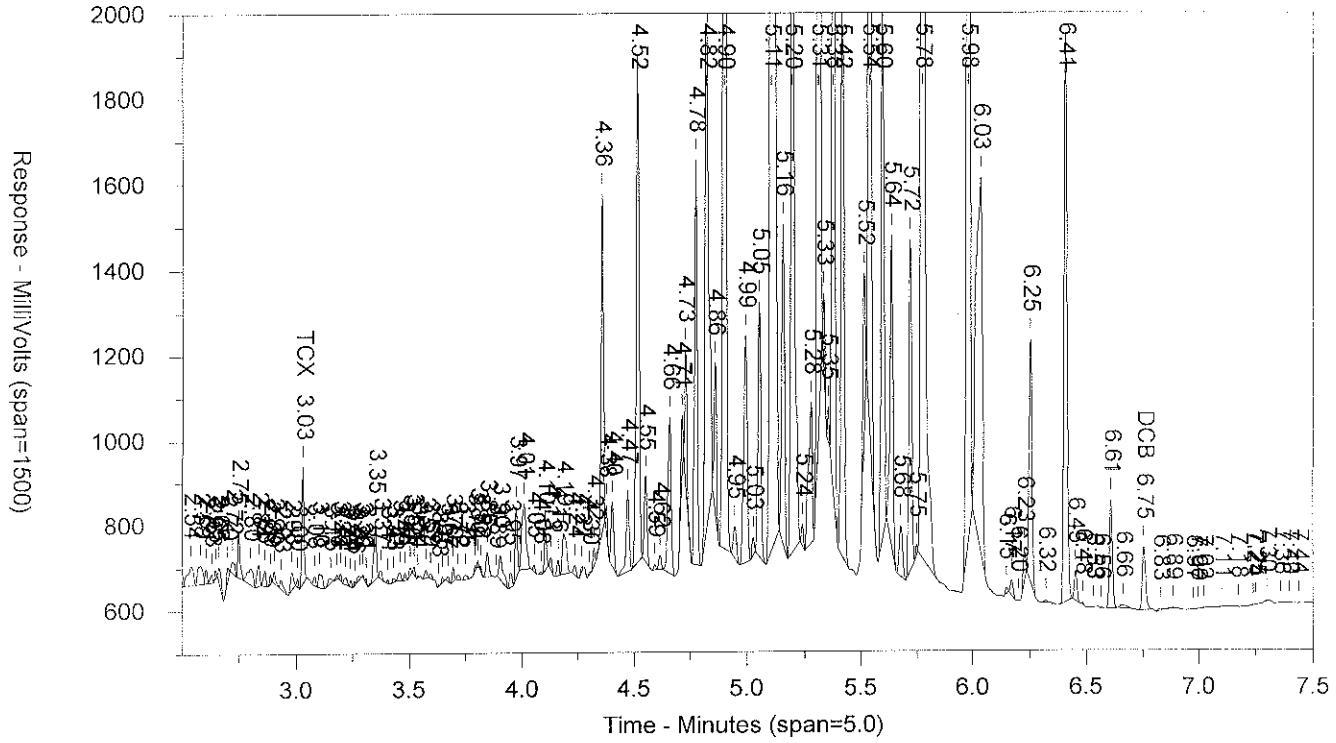

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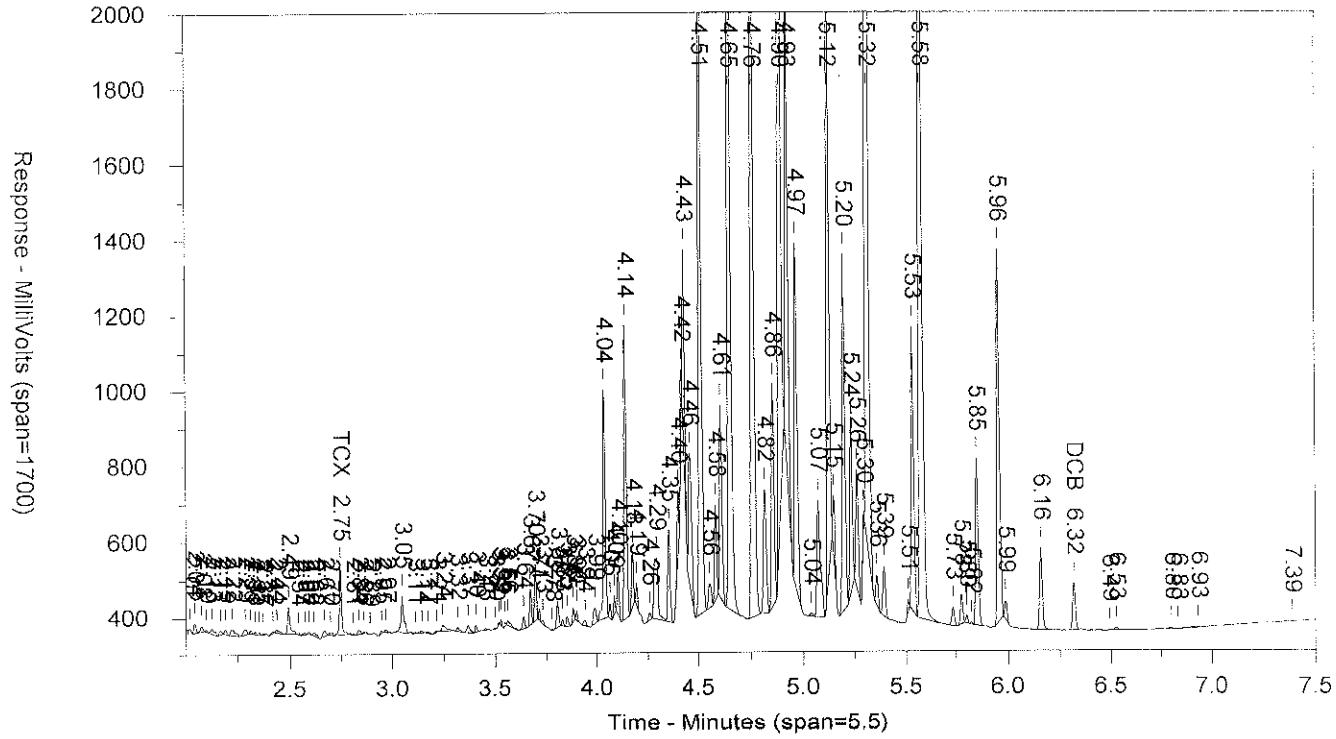

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229555 ACF DF5 04A06 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 10:45:50
Instrument	19843A
Result file	07PCBS17292003.0081.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) * 59% (61 - 152) Conc: 17.79934

%SSR(DCB) 95% (48 - 164) Conc: 25.32416

Analysis Report (B)

Injected on	Oct 24, 2017 10:45:50
Instrument	19843B
Result file	07PCBS17292003B.0081.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 70% (61 - 152) Conc: 20.91589

%SSR(DCB) 80% (48 - 164) Conc: 21.22209

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	2303306	17.79934
Decachlorobiphenyl	6.72	6.76	6.78	1317236	25.32416

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	1293923	20.91589
Decachlorobiphenyl	6.29	6.32	6.35	997955	21.22209

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
	Tetrachloro-m-xylene	B	20.91589				16.10	
✓	Tetrachloro-m-xylene-D1	A	17.79934					
✓	Tetrachloro-m-xylene-D2	B	20.91589					
	Decachlorobiphenyl	A	25.32416				17.63	
✓	Decachlorobiphenyl-D1	A	25.32416					
✓	Decachlorobiphenyl-D2	B	21.22209					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.85**	
4.88	4.90	4.92	7593981	2097.543435			1
5.29	5.31	5.33	11957390	2513.342608			2
5.36	5.38	5.40	6262192	2600.634572			3
5.52	5.54	5.56	6324971	2538.777874			4
5.76	5.78	5.80	17512380	2954.770655			5
5.96	5.98	6.00	9730312	2670.7538			6

Height summation: **59381226**

Concentration CF: **2562.637157** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**7.06**	
4.64	4.65	4.68	6319264	2300.228156			1
4.75	4.76	4.78	5060638	2118.859976			2
4.88	4.90	4.92	6419989	2358.350738			3
5.11	5.13	5.15	4138017	2316.757941			4
5.30	5.32	5.34	10860190	2608.134992			5
5.56	5.58	5.60	6949827	2478.943139			6

Height summation: **39747925**

Concentration CF: **2363.545824** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<250.2453	<48.577	D1		4	
✓	PCB-1221			<250.2453	<75.0736	D1		3	
✓	PCB-1232			<250.2453	<60.3533	D1		4	
✓	PCB-1242			<250.2453	<60.3533	D1		4	
✓	PCB-1248			<250.2453	<48.577	D1		4	
✓	PCB-1254			<250.2453	<64.7694	D1		4	
✓	PCB-1260	A	2562.637157	250.2453	57.4092	D1	8.08	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:10

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229555** ACF DF5 04A06 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1260
3025

Analysis Report (A)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : *59% (61-152) Conc.: 17.79934
%SSR(DCB) : 95% (48-164) Conc.: 25.32416

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	91.70	
3.27	3.29	3.31	32887.83	16.113193			1
3.48	3.50	3.52	77542.59	36.557969			2
+ 3.48	3.52	3.52	45427.56	21.417125			2
3.60	3.62	3.64	74199.02	30.336656			3
3.82	3.85	3.86	269334.8	94.549727			4
+ 3.88	3.89	3.92	3945.345	1.656284			5
3.88	3.90	3.92	91916.18	38.587078			5
+ 4.08	4.08	4.12	5503.812	3.11162			6
4.08	4.10	4.12	306699	173.394501			6
Height Summation:			**852579.42**				
Amount Avg CF:			**64.923187**	Linear:			
Aroclor-1221					3	93.83	
3.16	3.18	3.20	18431.96	17.637448			1
+ 3.16	3.20	3.20	12004.73	11.487265			1
3.22	3.23	3.26	56014.43	62.171659			2
3.27	3.29	3.31	32887.83	10.130965			3
Height Summation:			**107334.22**				
Amount Avg CF:			**29.980024**	Linear:			
Aroclor-1232					6	104.21	
3.26	3.29	3.30	32887.83	13.22716			1
+ 3.48	3.48	3.52	8108.574	8.237831			2
3.48	3.50	3.52	77542.59	78.778683			2
3.60	3.62	3.64	74199.02	64.741952			3
3.82	3.85	3.86	269334.8	192.091589			4
+ 3.88	3.89	3.92	3945.345	3.73461			5
3.88	3.90	3.92	91916.18	87.0066			5
+ 4.08	4.08	4.12	5503.812	7.603508			6
4.08	4.10	4.12	306699	423.704205			6
Height Summation:			**852579.42**				
Amount Avg CF:			**143.258365**	Linear:			
Aroclor-1242					6	94.08	
3.27	3.29	3.31	32887.83	18.807763			1
3.48	3.50	3.52	77542.59	44.057536			2
+ 3.48	3.52	3.52	45427.56	25.810672			2
3.60	3.62	3.64	74199.02	36.416432			3
3.82	3.85	3.86	269334.8	109.70292			4
+ 3.88	3.89	3.92	3945.345	2.143945			5
3.88	3.90	3.92	91916.18	49.948301			5
+ 4.08	4.08	4.12	5503.812	3.934208			6
4.08	4.10	4.12	306699	219.233057			6
Height Summation:			**852579.42**				
Amount Avg CF:			**79.694335**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 70% (61-152) Conc.: 20.91589
%SSR(DCB) : 80% (48-164) Conc.: 21.22209

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	95.35	
3.02	3.05	3.06	79994.32	73.26664			1
3.35	3.37	3.39	57049.65	43.110153			2
+ 3.35	3.39	3.39	4706.782	3.556728			2
+ 3.54	3.55	3.58	99266.46	75.211576			3
+ 3.54	3.56	3.58	9259.217	7.015464			3
3.54	3.58	3.58	137616.2	104.268161			3
3.62	3.64	3.66	72033.3	52.475949			4
3.68	3.70	3.72	417416.9	402.964318			5
+ 3.68	3.71	3.72	394778.8	381.110037			5
3.79	3.80	3.83	215087.8	186.84492			6
Height Summation:			**979198.17**				
Amount Avg CF:			**143.82169**	Linear:			
Aroclor-1221					3	54.57	
2.90	2.92	2.94	8959.942	13.985215			1
2.96	2.97	3.00	18561.33	50.124589			2
3.02	3.05	3.06	79994.32	49.264544			3
Height Summation:			**107515.592**				
Amount Avg CF:			**37.791449**	Linear:			
Aroclor-1232					6	115.84	
3.02	3.05	3.06	79994.32	62.288652			1
3.35	3.37	3.39	57049.65	92.686715			2
+ 3.35	3.39	3.39	4706.782	7.646956			2
+ 3.54	3.55	3.58	99266.46	157.804753			3
+ 3.54	3.56	3.58	9259.217	14.719458			3
3.54	3.58	3.58	137616.2	218.769667			3
3.62	3.64	3.66	72033.3	120.307695			4
E 3.68	3.70	3.72	417416.9	1090.654819			5
E+ 3.68	3.71	3.72	394778.8	1031.504476			5
3.79	3.80	3.83	215087.8	459.76959			6
Height Summation:			**979198.17**				
Amount Avg CF:			**340.74619**	Linear:			
Aroclor-1242					6	100.70	
3.02	3.05	3.06	79994.32	85.166406			1
3.35	3.37	3.39	57049.65	50.987186			2
+ 3.35	3.39	3.39	4706.782	4.206609			2
+ 3.54	3.55	3.58	99266.46	85.435824			3
+ 3.54	3.56	3.58	9259.217	7.969145			3
3.54	3.58	3.58	137616.2	118.442357			3
3.62	3.64	3.66	72033.3	64.720867			4
3.68	3.70	3.72	417416.9	519.341909			5
+ 3.68	3.71	3.72	394778.8	491.17603			5
3.79	3.80	3.83	215087.8	227.551248			6
Height Summation:			**979198.17**				
Amount Avg CF:			**177.701662**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229555** ACF DF5 04A06 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**126.43**	
3.82	3.85	3.86	269334.8	172.336799			1
+ 3.88	3.89	3.92	3945.345	3.020713			2
3.88	3.90	3.92	91916.18	70.374674			2
3.95	3.97	3.99	584820.2	262.677056			3
+ 4.08	4.08	4.12	5503.812	2.209054			4
4.08	4.10	4.12	306699	123.099143			4
4.17	4.20	4.21	302623.1	145.677298			5
4.36	4.36	4.40	2235604	1120.140126			6
+ 4.36	4.38	4.40	216203	108.327618			6
Height Summation:			**3790997.28**				
Amount Avg CF:			**315.717516**	Linear:			
Aroclor-1254					**6**	**96.56**	
+ 4.69	4.71	4.73	607264	249.194712			1
4.69	4.73	4.73	700071.6	287.278911			1
4.76	4.78	4.80	3204616	663.320095			2
E 4.88	4.90	4.92	7593981	5162.193045			3
4.97	4.99	5.01	1870118	593.335593			4
5.17	5.20	5.21	4674216	1896.690464			5
5.29	5.31	5.33	11957390	3801.422532			6
Height Summation:			**30000392.6**				
Amount Avg CF:			**2067.37344**	Linear:			
Aroclor-1260					**6**	**10.85**	
4.88	4.90	4.92	7593981	2097.543435			1
5.29	5.31	5.33	11957390	2513.342608			2
5.36	5.38	5.40	6262192	2600.634572			3
5.52	5.54	5.56	6324971	2538.777874			4
5.76	5.78	5.80	17512380	2954.770655			5
5.96	5.98	6.00	9730312	2670.7538			6
Height Summation:			**59381226**				
Amount Avg CF:			**2562.637158**	Linear:			
Aroclor-1262					**6**	**24.51**	
E 5.35	5.38	5.39	6262192	1608.587016			1
E 5.52	5.54	5.56	6324971	1888.54594			2
E 5.75	5.78	5.79	17512380	2507.027583			3
E 5.96	5.98	6.00	9730312	2146.830333			4
E 6.01	6.04	6.05	2612725	1221.676822			5
E 6.38	6.41	6.42	3842647	1648.767819			6
Height Summation:			**46285227**				
Amount Avg CF:			**1836.905919**	Linear:			
Aroclor-1268					**6**	**120.11**	
E 5.96	5.98	5.99	9730312	1152.724802			1
6.01	6.04	6.05	2612725	361.301377			2
+ 6.15	6.15	6.19	17048.71	2.558691			3
6.15	6.17	6.19	124789.5	18.728559			3
6.21	6.23	6.25	181593.5	101.87784			4
E 6.38	6.41	6.42	3842647	1461.614181			5
6.58	6.61	6.62	796289.4	39.067358			6
Height Summation:			**17288356.4**				
Amount Avg CF:			**522.552353**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**96.93**	
+ 3.54	3.55	3.58	99266.46	153.598987			1
+ 3.54	3.56	3.58	9259.217	14.327159			1
3.54	3.58	3.58	137616.2	212.939083			1
3.62	3.64	3.66	72033.3	91.891345			2
3.68	3.70	3.72	417416.9	362.04746			3
+ 3.68	3.71	3.72	394778.8	342.412255			3
3.79	3.80	3.83	215087.8	134.504568			4
+ 3.88	3.88	3.92	69649.47	72.028653			5
3.88	3.90	3.92	127059.1	131.39936			5
4.02	4.04	4.06	1717433	852.698456			6
Height Summation:			**2686646.3**				
Amount Avg CF:			**297.580045**	Linear:			
Aroclor-1254					**6**	**95.92**	
4.34	4.35	4.38	771465.2	455.044683			1
+ 4.40	4.40	4.44	359501	122.163324			2
+ 4.40	4.42	4.44	707935.9	240.566238			2
4.40	4.43	4.44	1086374	369.164646			2
4.50	4.51	4.54	5094849	3579.343544			3
4.57	4.59	4.61	828060.9	454.187366			4
E 4.64	4.65	4.68	6319264	5450.653645			5
4.88	4.90	4.92	6419989	2956.223765			6
Height Summation:			**20520002.1**				
Amount Avg CF:			**2210.769608**	Linear:			
Aroclor-1260					**6**	**7.06**	
4.64	4.65	4.68	6319264	2300.228156			1
4.75	4.76	4.78	5060638	2118.859976			2
4.88	4.90	4.92	6419989	2358.350738			3
5.11	5.13	5.15	4138017	2316.757941			4
5.30	5.32	5.34	10860190	2608.134992			5
5.56	5.58	5.60	6949827	2478.943139			6
Height Summation:			**39747925**				
Amount Avg CF:			**2363.545824**	Linear:			
Aroclor-1262					**6**	**28.13**	
E 4.91	4.93	4.95	3246730	1259.326389			1
E 5.11	5.13	5.15	4138017	1529.00845			2
E 5.30	5.32	5.34	10860190	2150.443821			3
E 5.52	5.54	5.56	1964641	1012.536056			4
E 5.56	5.58	5.60	6949827	1984.44196			5
E 5.94	5.96	5.98	2653047	1377.087666			6
Height Summation:			**29812452**				
Amount Avg CF:			**1552.140723**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229555** ACF DF5 04A06 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 50 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0081.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 10:45:50
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0081.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**121.38**	
5.52	5.54	5.56	1964641	324.771295			1
E 5.56	5.58	5.60	6949827	1128.577378			2
5.72	5.74	5.76	133273.2	25.284623			3
5.79	5.80	5.82	75872.15	55.056039			4
E 5.94	5.96	5.98	2653047	1258.673967			5
6.14	6.16	6.18	612372.6	35.117993			6

Height Summation: **12389032.95**
Amount Avg CF: **471.246883** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			250.2454	48.577		** 75.59	4	40	
Aroclor-1221			250.2454	75.0736		23.05	3	40	
Aroclor-1232			250.2454	60.3533		** 81.61	4	40	
Aroclor-1242			250.2454	60.3533		** 76.15	4	40	
Aroclor-1248			250.2454	48.577		5.91	4	40	
Aroclor-1254			250.2454	64.7694	E	6.70	4	40	
Aroclor-1260			250.2454	57.4092		8.08	4	40	
Aroclor-1262			250.2454	48.577	E	16.81	4	40	
Aroclor-1268			250.2454	48.577	E	10.33	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:45:50 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: 07PCBS17292003.0081.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.52		296606	393249
1.599		117742	291507
1.659		1286210	1428726
1.704		108447	164216
1.733		73285	81292
1.766		290367	292529
1.816		110194	169332
1.862		31083	22438
1.878		23454	14770
1.892		33911	20099
1.913		26922	16616
1.936		30696	36349
1.963		34593	32290
2.004		39346	29084
2.02		50388	41770
2.046		21446	17244
2.07		29566	21036
2.088		48763	42876
2.133		228982	211326
2.159		5668	3565
2.195		45737	40274
2.225		96176	109562
2.261		31382	21389
2.293		731615	492668
2.365		22395	24516
2.405		49860	56229
2.434		16900	9357
2.483		60704	105022
2.514		17909	18252
2.541		37967	41746
2.579		31111	43106
2.606		27397	21080
2.632		11371	5023
2.648		8527	3983
2.662		18003	14327
2.701		22360	12869
2.729		44201	35064
2.748		443841	278489
2.774		2394	710
2.799		15077	21084
2.835		28464	20379
2.863		20904	15973
2.887		10443	4917
2.902		20290	11752
2.933		14792	14165
2.981		10864	6757
2.993		20112	13396
3.029	TCX	2303306	1507008
3.081		15888	10667
3.103		15277	9938
3.157		9709	12289
3.181		18432	12169
3.197		12005	5755

RT A	Compound A	Height A	Area A
3.228		56014	60233
3.285		32888	46712
3.312		5487	2773
3.353		229557	220584
3.381		21957	18711
3.407		8602	5207
3.432		7683	5163
3.46		17285	12165
3.482		8109	4327
3.503		77543	54827
3.522		45428	26662
3.575		25037	16780
3.594		9074	6712
3.622		74199	49355
3.65		10945	7802
3.672		6168	3521
3.695		69625	48955
3.729		23827	19565
3.748		10362	6582
3.794		18781	10598
3.815		175806	153874
3.852		269335	253379
3.886		3945	1797
3.904		91916	74173
3.947		38948	32473
3.975		584820	415257
4.003		413455	303978
4.025		496413	314497
4.052		12303	7104
4.084		5504	3147
4.104		306699	216467
4.129		98511	65374
4.16		158148	111693
4.196		302623	351816
4.241		128008	105842
4.27		83103	85898
4.303		4270	2450
4.323		110975	76907
4.361		2235604	1625275
4.38		216203	109148
4.407		691114	584453
4.475		690055	620538
4.519		3398805	3240620
4.554		984951	826074
4.596		118500	84306
4.618		106569	78075
4.66		989690	967924
4.715		607264	404326
4.731		700072	525345
4.778		3204616	2707223
4.826		3459619	3659108
4.864		794757	541959
4.904		7593981	6776020
4.951		227761	231033
4.995		1870118	1849492
5.028		97529	66322
5.054		1516460	1358480
5.106		7952717	6238731
5.123		675101	406701
5.157		1906532	1703641
5.199		4674216	4861180
5.241		192244	120754
5.278		874619	1019264
5.313		11957390	10583150
5.335		408515	201084
5.354		217321	97728

RT A	Compound A	Height A	Area A
5.378		6262193	5309954
5.42		3723700	3373270
5.517		991114	842392
5.54		6324971	5254593
5.598		3339710	2909481
5.637		1769322	1659434
5.679		324986	322009
5.721		2150188	1892055
5.748		62044	33661
5.777		17512380	16836130
5.927		4320	3503
5.983		9730312	9094319
6.037		2612725	4754990
6.151		17049	11247
6.171		124790	106441
6.228		181594	140965
6.254		1652350	1406981
6.317		11951	10094
6.378		9075	5124
6.408		3842647	3664580
6.454		213087	180188
6.53		1687	2150
6.609		796289	760308
6.685		2085	1476
6.756	DCB	1317236	1353263
6.827		4826	2885
7.024		7807	7889
7.141		1376	2169
7.22		1409	723
7.288		1464	284
7.36		2019	4197
7.448		1397	627
7.472		1756	821
7.529		2374	3283
7.639		1377	5794
7.776		1433	866
7.84		1435	2096
7.988		1690	3228
8.018		1011	362
8.069		1106	318
8.142		1472	467
8.175		2215	2676
8.238		18429	28824
8.383		1344	780
8.415		2796	2631
8.631		1266	543

LANCASTER LABORATORIES

Sample Number: 9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:45:50 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: 07PCBS17292003B.0081.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		142148	178673
1.635		13309	14289
1.69		4095	3866
1.719		3748	1996
1.758		10186	15410
1.789		5819	3862
1.811		8334	7873
1.847		11152	12087
1.883		8266	6656
1.911		119335	132946
1.953		13116	14281
1.971		13057	11807
1.991		56456	50443
2.019		8241	5701
2.041		26848	21430
2.077		419834	360529
2.141		17663	25010
2.184		12581	20838
2.224		6779	7431
2.286		17765	23673
2.324		10030	15252
2.354		4901	2426
2.373		4115	2289
2.446		27133	50524
2.492		282567	210403
2.563		9845	14583
2.607		4091	5658
2.669		5647	5506
2.706		8395	7048
2.747	TCX	1293923	895476
2.837		5943	5199
2.865		2843	4702
2.919		8960	7100
2.948		21585	13088
2.968		18561	12083
3.048		79994	40234
3.06		35927	14510
3.082		10490	5986
3.108		23993	17111
3.146		16588	21660
3.244		25010	12858
3.255		16373	7266
3.294		5575	3437
3.316		42509	40577
3.367		57050	38950
3.386		4707	2111
3.405		38487	27682
3.452		8653	5695
3.517		12067	6796
3.528		48077	22884
3.548		99266	58177
3.562		9259	2890
3.579		137616	88134
3.638		72033	60377

3.671		374659	261924
3.696		417417	248366
3.714		394779	230482
3.804		215088	161829
3.829		64579	36882
3.853		125141	117383
3.883		69649	38199
3.9		127059	89302
3.94		76284	65387
3.985		107371	108001
4.017		37544	24798
4.038		1717433	1254605
4.065		127614	73579
4.086		249992	153443
4.104		371224	243513
4.142		2110760	1688141
4.175		614184	440515
4.195		177721	103430
4.217		93001	54972
4.26		75417	61292
4.293		412410	453862
4.315		44970	25382
4.354		771465	633861
4.4		359501	256567
4.418		707936	399586
4.431		1086374	614014
4.459		771846	798271
4.514		5094849	4499503
4.554		166881	179094
4.586		828061	599437
4.611		1174986	924539
4.655		6319264	5523582
4.763		5060638	4982482
4.817		900679	898993
4.859		1345948	1259189
4.896		6419989	5704862
4.93		3246730	2562948
4.969		2128743	1802668
5.041		20931	23445
5.074		731016	821038
5.126		4138017	3429573
5.15		469215	303515
5.2		2198324	2104509
5.236		964999	793169
5.264		719546	604678
5.297		185112	107723
5.319		10860190	9491167
5.361		174242	130368
5.395		341408	304728
5.512		74747	49884
5.535		1964641	1728445
5.58		6949827	7738433
5.736		133273	127170
5.778		171672	145459
5.805		75872	53479
5.825		22627	12136
5.854		1127333	1016817
5.932		3807	2168
5.958		2653047	2395901
5.99		127711	98251
6.159		612373	587512
6.319	DCB	997955	981268
6.495		2375	1997
6.527		20151	21955
6.696		2328	2598
6.722		1354	986
6.763		4753	4314

6.799	2547	2453
6.915	1333	7976
7.033	1134	2850
7.155	1440	1527
7.325	1888	3238
7.593	1554	1744
7.884	9953	18096
8.126	1776	3499
8.411	1562	2200
8.537	1250	6182

9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082

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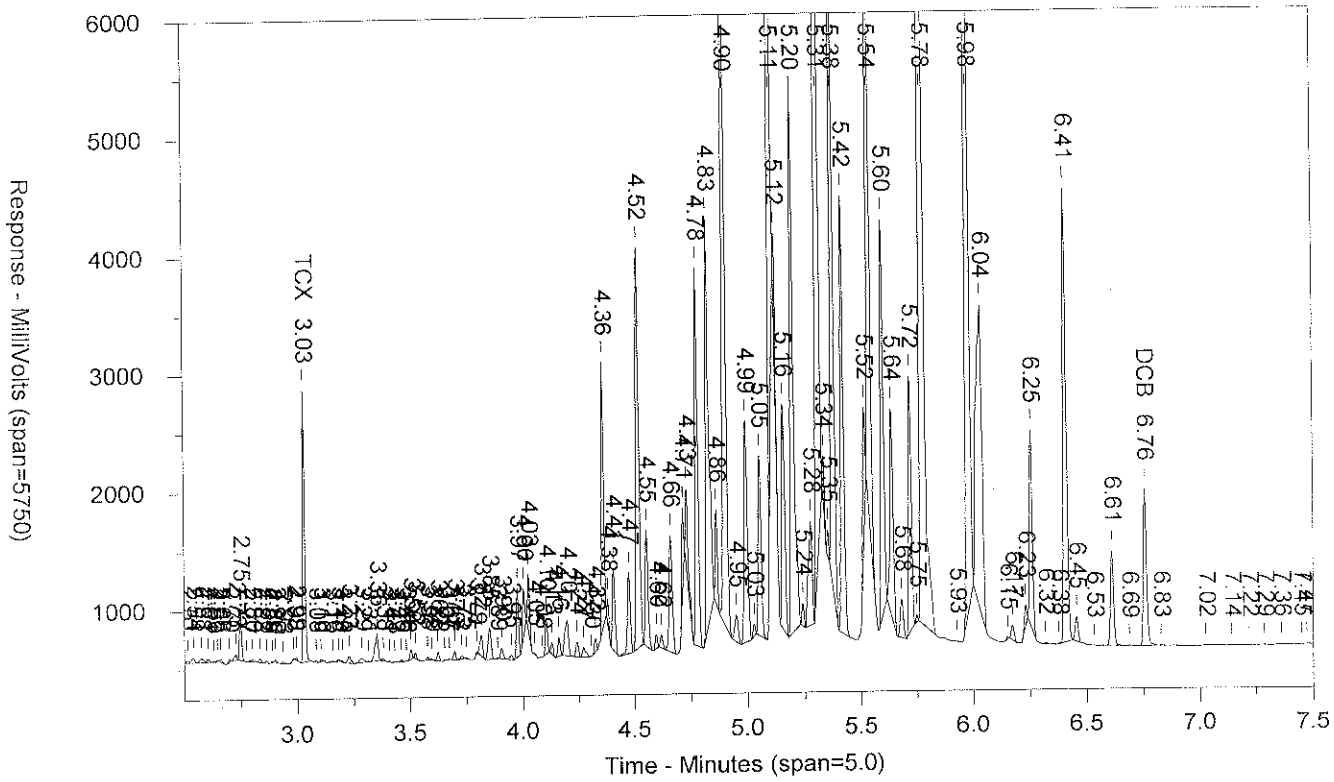

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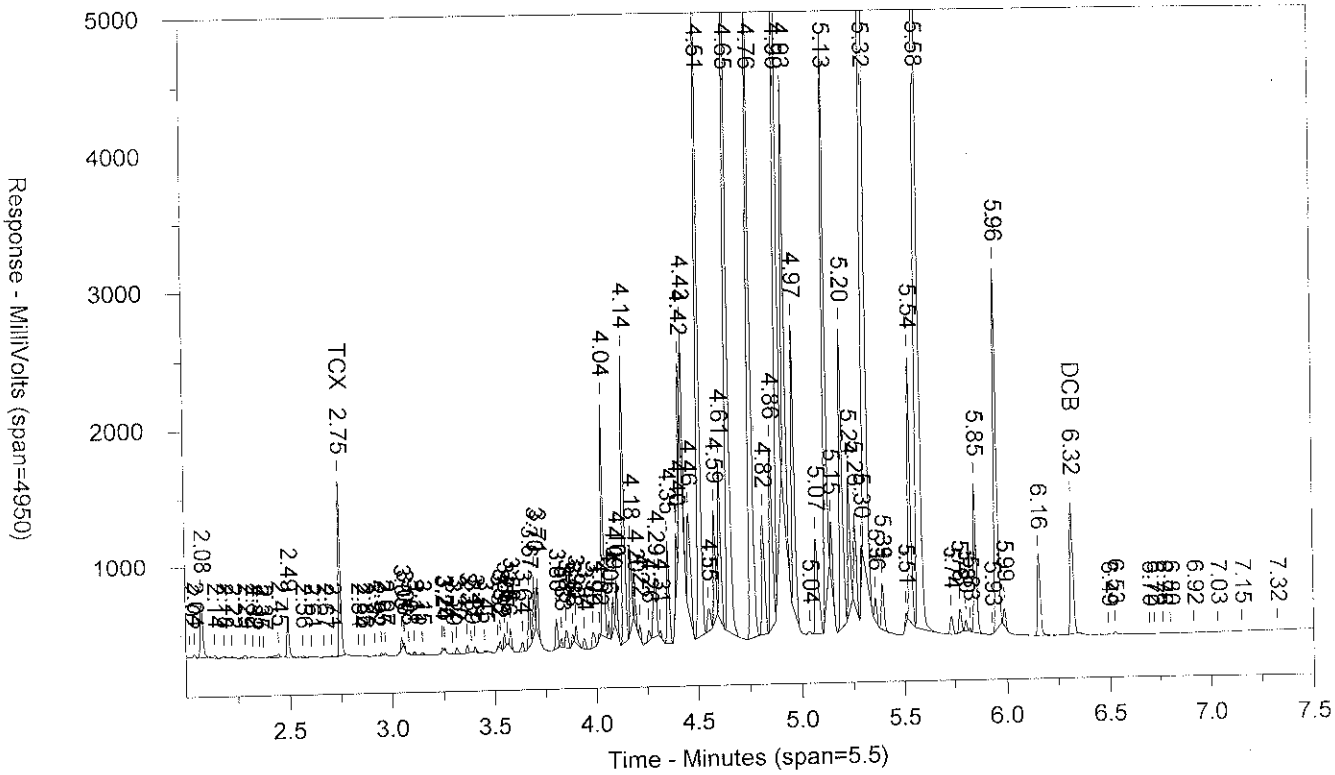

LANCASTER LABORATORIES

Sample Number: 9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:45:50 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: 10.19
Dilution Factor: 50

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	2303306	17.799	TCX	2.747	1293923	20.916	TCX
6.756	1317236	25.324	DCB	6.319	997955	21.222	DCB

Files:
Area File: 07PCBS17292003.0081.RAW
Area File: 07PCBS17292003B.0081.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 10:54:31 AM
File Reported On: 10/24/2017 at 10:54:48 AM

9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082

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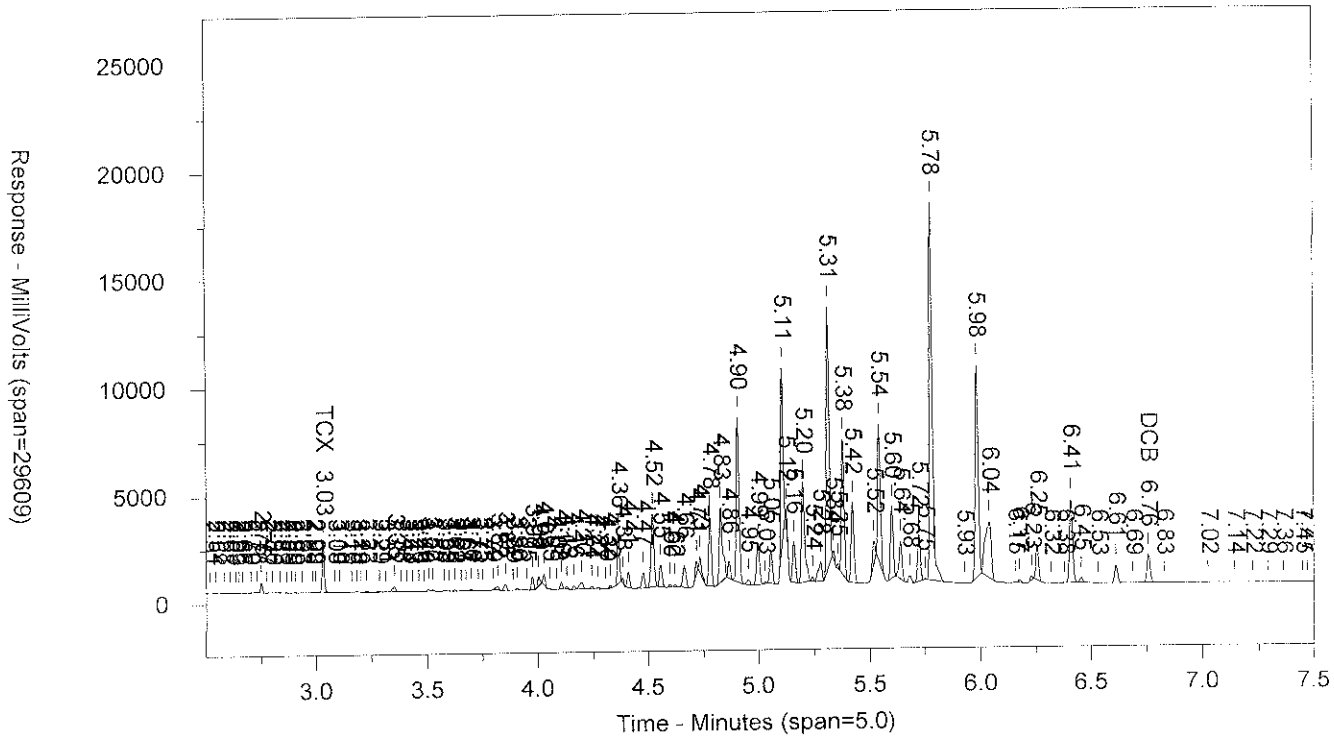

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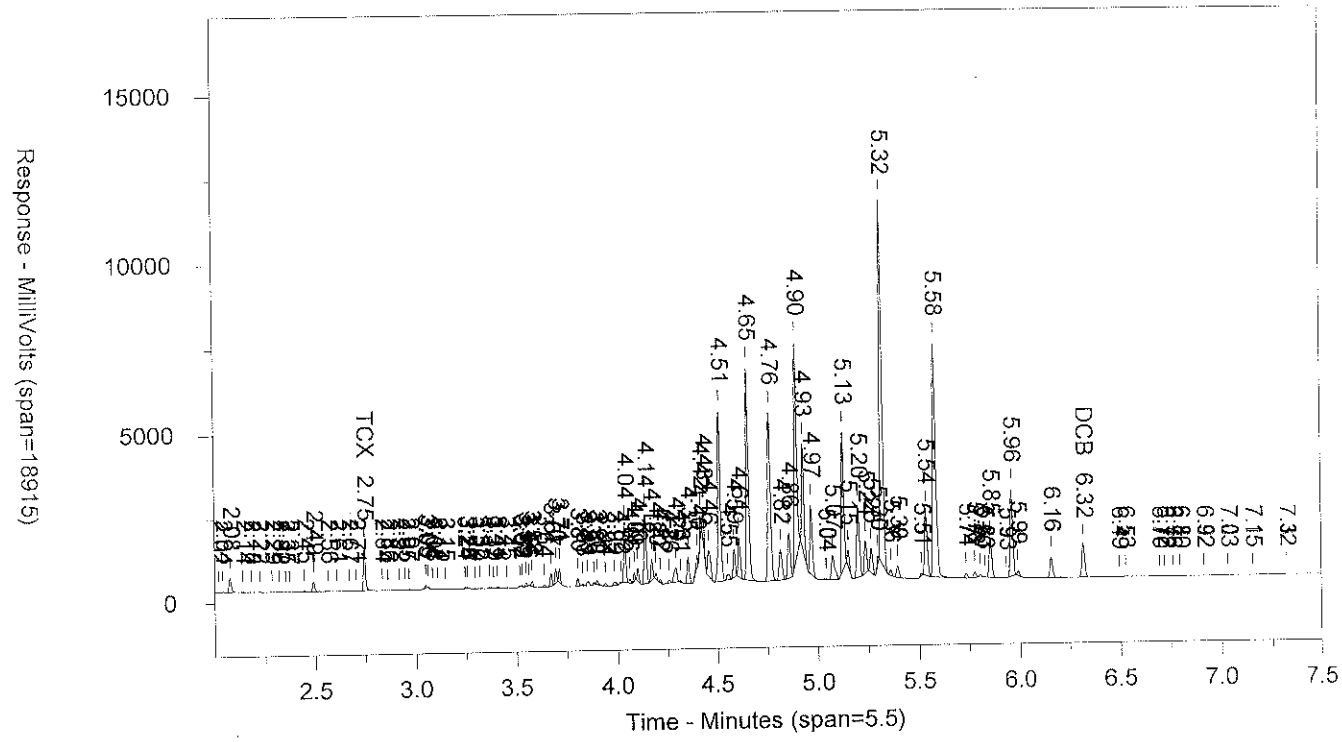

9229555 ACF DF5 AC04A06 T 172860014A 10225 SW-846 8082

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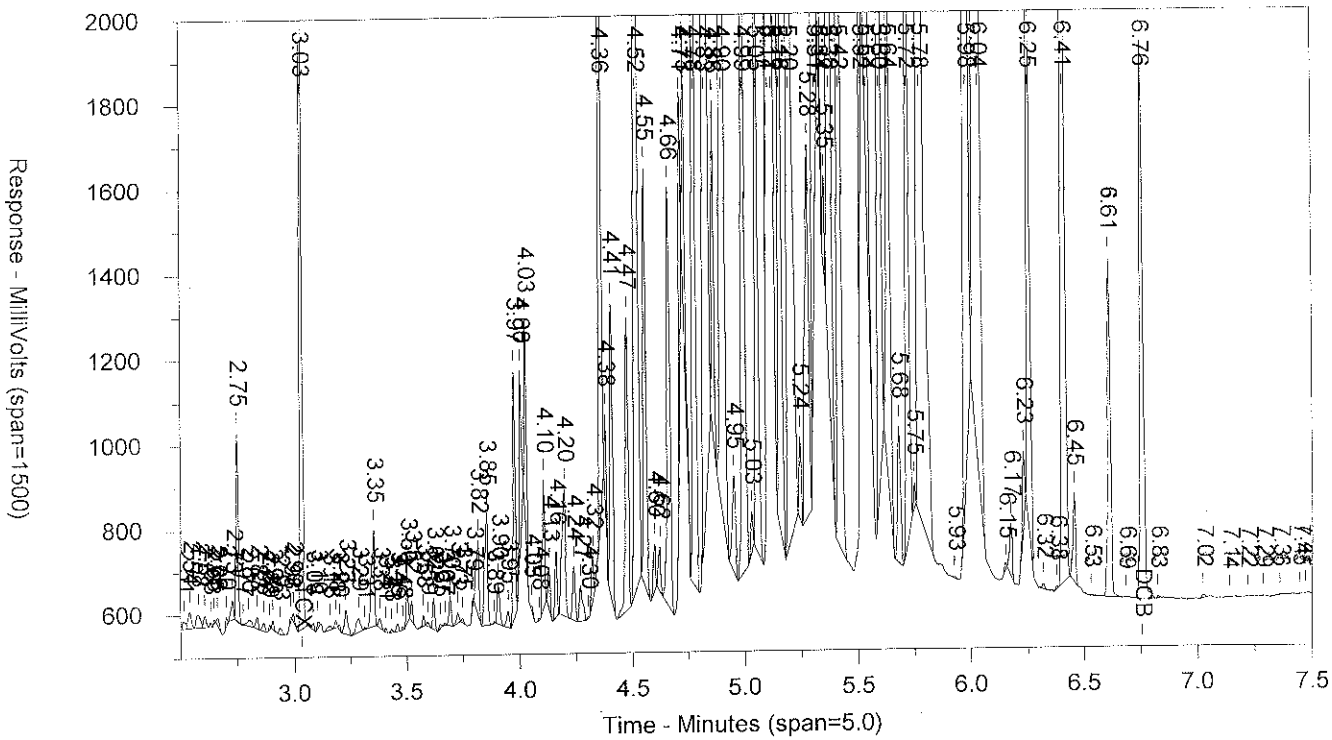

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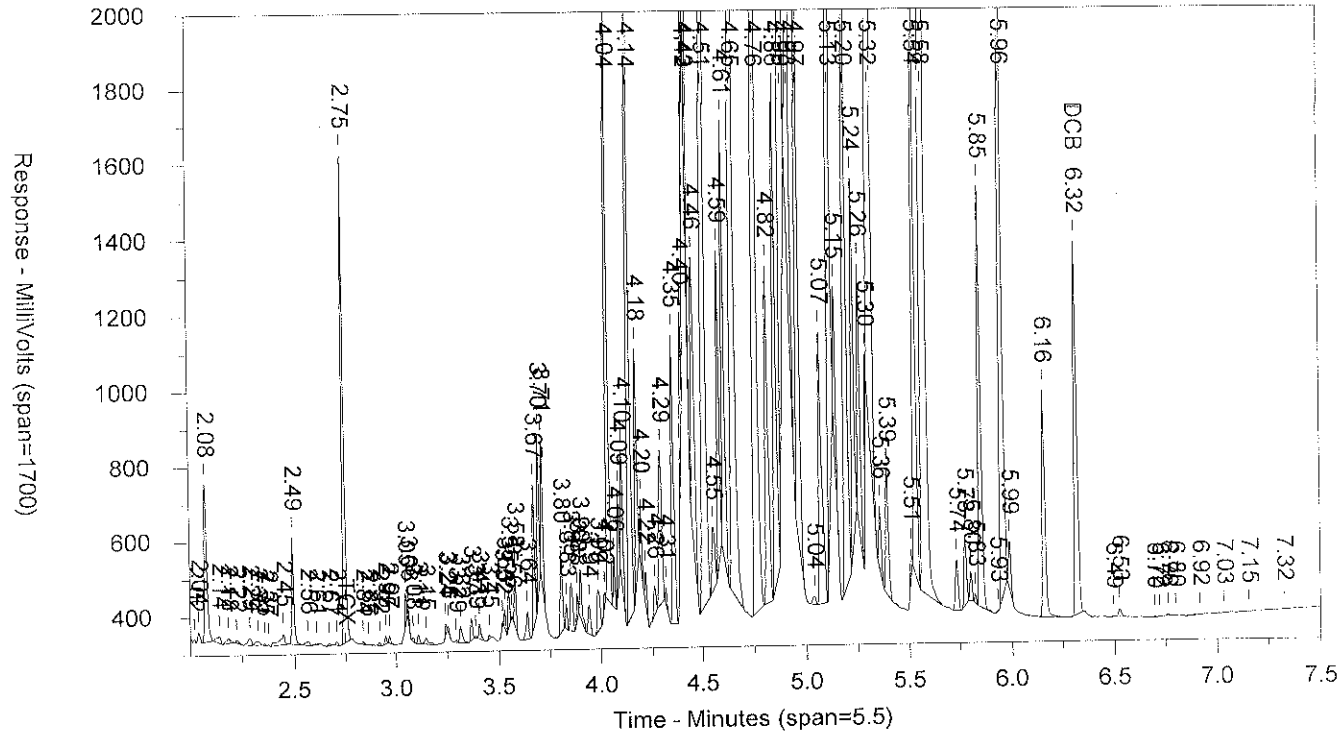

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229556 ACF DF10 04A07 Sample ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 27, 2017 05:54:46
Instrument	19843A
Result file	07PCBS17299001.0042.RAW
Calibration file	07PCBS1729901
Method file	07PCBS

%SSR(TCX) 62% (61 - 152) Conc: 18.98842
%SSR(DCB) 89% (48 - 164) Conc: 24.04102

Analysis Report (B)

Injected on	Oct 27, 2017 05:54:46
Instrument	19843B
Result file	07PCBS17299001B.0042.RAW
Calibration file	07PCBS1729901B
Method file	07PCBSB

%SSR(TCX) 72% (61 - 152) Conc: 21.96019
%SSR(DCB) 75% (48 - 164) Conc: 20.19315

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1336018	18.98842	Tetrachloro-m-xylene	2.72	2.75	2.78	755516	21.96019
Decachlorobiphenyl	6.72	6.75	6.78	699412	24.04102	Decachlorobiphenyl	6.28	6.31	6.34	558997	20.19315

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	21.96019				14.51	
✓	Tetrachloro-m-xylene-D1	A	18.98842					
✓	Tetrachloro-m-xylene-D2	B	21.96019					
☐	Decachlorobiphenyl	A	24.04102				17.40	
✓	Decachlorobiphenyl-D1	A	24.04102					
✓	Decachlorobiphenyl-D2	B	20.19315					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.32**	
4.88	4.90	4.92	7914972	4049.93476			1
5.29	5.31	5.33	13141650	4681.381013			2
5.35	5.37	5.39	5841628	4411.058808			3
5.52	5.54	5.56	6166064	4577.316159			4
5.75	5.77	5.79	17638360	5249.731413			5
5.96	5.98	6.00	9607782	5057.788382			6

Height summation: **60310456**
Concentration CF: **4671.201756** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.58**	
4.49	4.51	4.53	5174903	3824.61751			1
4.63	4.65	4.67	6726632	4115.925565			2
4.74	4.76	4.78	5154246	3924.892207			3
4.87	4.89	4.91	7222344	4516.759515			4
5.29	5.31	5.33	10978990	4408.576977			5
5.56	5.58	5.60	6880384	4037.651766			6

Height summation: **42137499**
Concentration CF: **4138.07059** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<507.4627	<98.5075	D1		4	
✓	PCB-1221			<507.4627	<152.2388	D1		3	
✓	PCB-1232			<507.4627	<122.3881	D1		4	
✓	PCB-1242			<507.4627	<122.3881	D1		4	
✓	PCB-1248			<507.4627	<98.5075	D1		4	
✓	PCB-1254			<507.4627	<131.3433	D1		4	
✓	PCB-1260	A	4671.201756	507.4627	116.4179	D1	12.10	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 31 2017

Reviewed and digitally signed by Jessica L Miller on 10/30/2017 21:44:59

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229556** ACF DF10 04A07 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843A
Result file : 07PCBS17299001.0042.RAW
Calibration file : 07PCBS1729901.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 62% (61-152) Conc.: 18.98842
%SSR(DCB) : 89% (48-164) Conc.: 24.04102

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**109.22**	
3.26	3.27	3.30	17588.89	16.713246			1
3.48	3.50	3.52	25727.92	22.807478			2
+ 3.48	3.52	3.52	17841.48	15.816248			2
3.60	3.62	3.64	32454.77	24.946456			3
3.82	3.84	3.86	61327.2	40.477362			4
+ 3.88	3.88	3.92	2562.799	1.980379			5
3.88	3.90	3.92	62294.8	48.137724			5
+ 4.08	4.08	4.12	9843.092	10.228984			6
4.08	4.10	4.12	166715.8	173.251779			6
Height Summation:			**366109.38**				
Amount Avg CF:			**54.389007**	Linear:			
Aroclor-1221					**3**	**58.67**	
+ 3.16	3.18	3.20	10595.93	17.375532			1
3.16	3.19	3.20	15834.64	25.96613			1
3.22	3.22	3.26	19876.67	37.914968			2
+ 3.22	3.24	3.26	10972.22	20.929631			2
3.26	3.27	3.30	17588.89	9.383466			3
Height Summation:			**53300.2**				
Amount Avg CF:			**24.421521**	Linear:			
Aroclor-1232					**6**	**126.83**	
3.26	3.27	3.30	17588.89	13.227731			1
3.48	3.50	3.52	25727.92	47.463783			2
+ 3.48	3.52	3.52	17841.48	32.914598			2
3.60	3.62	3.64	32454.77	50.684104			3
3.82	3.84	3.86	61327.2	84.817735			4
+ 3.88	3.88	3.92	2562.799	4.173828			5
3.88	3.90	3.92	62294.8	101.454615			5
4.08	4.10	4.12	166715.8	427.082909			6
Height Summation:			**366109.38**				
Amount Avg CF:			**120.788479**	Linear:			
Aroclor-1242					**6**	**109.46**	
3.27	3.27	3.31	17588.89	19.522353			1
3.48	3.50	3.52	25727.92	27.008427			2
+ 3.48	3.52	3.52	17841.48	18.72947			2
3.60	3.62	3.64	32454.77	29.60083			3
3.82	3.84	3.86	61327.2	48.192911			4
3.88	3.90	3.92	62294.8	58.248811			5
4.08	4.10	4.12	166715.8	206.990031			6
Height Summation:			**366109.38**				
Amount Avg CF:			**64.927227**	Linear:			

Analysis Report (B)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843B
Result file : 07PCBS17299001B.0042.RAW
Calibration file : 07PCBS1729901B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.96019
%SSR(DCB) : 75% (48-164) Conc.: 20.19315

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**90.36**	
3.01	3.05	3.05	186803	334.892967			1
3.35	3.37	3.39	21977.96	31.127067			2
+ 3.54	3.54	3.58	14161.68	19.311969			3
3.54	3.56	3.58	15870.39	21.642099			3
3.61	3.63	3.65	39750.06	50.882039			4
3.67	3.69	3.71	161410.4	297.455239			5
+ 3.67	3.71	3.71	45075.29	83.067021			5
3.78	3.80	3.82	127641.5	194.532145			6
Height Summation:			**553453.31**				
Amount Avg CF:			**155.088593**	Linear:			
Aroclor-1221					**3**	**106.31**	
2.90	2.91	2.94	5156.792	14.05556			1
2.96	2.97	3.00	12868.62	60.686731			2
3.01	3.05	3.05	186803	202.983154			3
Height Summation:			**204828.412**				
Amount Avg CF:			**92.575148**	Linear:			
Aroclor-1232					**6**	**94.27**	
3.01	3.05	3.05	186803	272.550349			1
3.35	3.37	3.39	21977.96	65.363199			2
+ 3.54	3.54	3.58	14161.68	40.811635			3
3.54	3.56	3.58	15870.39	45.735856			3
3.61	3.63	3.65	39750.06	109.311824			4
3.67	3.69	3.71	161410.4	696.939427			5
+ 3.67	3.71	3.71	45075.29	194.626534			5
3.78	3.80	3.82	127641.5	468.12208			6
Height Summation:			**553453.31**				
Amount Avg CF:			**276.337123**	Linear:			
Aroclor-1242					**6**	**89.58**	
3.01	3.05	3.05	186803	390.465394			1
3.35	3.37	3.39	21977.96	37.167028			2
+ 3.54	3.54	3.58	14161.68	23.294896			3
3.54	3.56	3.58	15870.39	26.105595			3
3.61	3.63	3.65	39750.06	61.735236			4
3.67	3.69	3.71	161410.4	351.71543			5
+ 3.67	3.71	3.71	45075.29	98.219662			5
3.78	3.80	3.82	127641.5	230.962571			6
Height Summation:			**553453.31**				
Amount Avg CF:			**183.025209**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229556** ACF DF10 04A07 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843A
Result file : 07PCBS17299001.0042.RAW
Calibration file : 07PCBS1729901.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**154.99**	
3.82	3.84	3.86	61327.2	92.020164			1
+ 3.88	3.88	3.92	2562.799	3.541847			2
3.88	3.90	3.92	62294.8	86.092842			2
3.95	3.97	3.99	329016	259.362408			3
+ 4.08	4.08	4.12	9843.092	6.883589			4
4.08	4.10	4.12	166715.8	116.589695			4
4.17	4.19	4.21	143605.3	122.631279			5
4.36	4.36	4.39	1850671	1510.594437			6
+ 4.36	4.38	4.39	113947.5	93.008676			6
Height Summation:			**2613630.1**				
Amount Avg CF:			**364.548471**	Linear:			
Aroclor-1254					**6**	**99.10**	
+ 4.69	4.71	4.73	448689.4	328.127833			1
4.69	4.73	4.73	687852.4	503.028414			1
4.75	4.77	4.79	3054766	1113.763477			2
4.88	4.90	4.92	7914972	9550.528596			3
4.97	4.99	5.01	1421729	835.874955			4
5.17	5.19	5.21	4952838	3707.493381			5
5.29	5.31	5.33	13141650	7347.472405			6
Height Summation:			**31173807.4**				
Amount Avg CF:			**3843.026871**	Linear:			
Aroclor-1260					**6**	**10.37**	
4.88	4.90	4.92	7914972	4049.93476			1
5.29	5.31	5.33	13141650	5242.420005	L: 4681.381		2
5.35	5.37	5.39	5841628	4411.058808			3
5.52	5.54	5.56	6166064	4577.316159			4
5.75	5.77	5.79	17638360	5249.731413			5
5.96	5.98	6.00	9607782	5057.788382			6
Height Summation:			**60310456**				
Amount Avg CF:			**4764.708255**	Linear:			
Aroclor-1262					**6**	**37.32**	
E 5.35	5.37	5.39	5841628	2470.40079			1
E 5.52	5.54	5.56	6166064	3100.1525			2
E 5.75	5.77	5.79	17638360	4282.534501			3
E 5.96	5.98	6.00	9607782	3722.330214			4
+ 6.01	6.01	6.05	249190.7	206.471209			5
6.01	6.03	6.05	1424000	1179.87951			5
E 6.38	6.40	6.42	3456359	2627.49893			6
Height Summation:			**44134193**				
Amount Avg CF:			**2897.132741**	Linear:			

Analysis Report (B)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843B
Result file : 07PCBS17299001B.0042.RAW
Calibration file : 07PCBS1729901B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**133.94**	
+ 3.54	3.54	3.58	14161.68	49.15486			1
3.54	3.56	3.58	15870.39	55.085752			1
3.61	3.63	3.65	39750.06	88.723721			2
3.65	3.67	3.69	211949.9	280.549151			3
3.78	3.80	3.82	127641.5	136.748841			4
+ 3.88	3.88	3.92	39676.64	63.095709			5
3.88	3.90	3.92	60216.74	95.759568			5
4.02	4.03	4.06	1302333	1037.435595			6
Height Summation:			**1757761.59**				
Amount Avg CF:			**282.383771**	Linear:			
Aroclor-1254					**6**	**112.79**	
4.33	4.35	4.37	568438.2	549.710967			1
+ 4.39	4.40	4.43	311710.1	174.232759			2
+ 4.39	4.41	4.43	687927	384.52209			2
4.39	4.43	4.43	1160464	648.650282			2
4.49	4.51	4.53	5174903	6195.785599			3
4.56	4.58	4.60	558351.2	473.262184			4
4.79	4.81	4.83	788258.6	945.296129			5
4.87	4.89	4.91	7222344	5368.696694			6
Height Summation:			**15472759**				
Amount Avg CF:			**2363.566976**	Linear:			
Aroclor-1260					**6**	**6.58**	
4.49	4.51	4.53	5174903	3824.61751			1
4.63	4.65	4.67	6726632	4115.925565			2
4.74	4.76	4.78	5154246	3924.892207			3
4.87	4.89	4.91	7222344	4516.759515			4
5.29	5.31	5.33	10978990	4408.576977			5
5.56	5.58	5.60	6880384	4037.651766			6
Height Summation:			**42137499**				
Amount Avg CF:			**4138.07059**	Linear:			
Aroclor-1262					**6**	**32.93**	
4.91	4.93	4.94	3107598	1900.64871			1
E 5.10	5.12	5.14	3910085	2379.577541			2
E 5.29	5.31	5.33	10978990	3275.211959			3
5.51	5.53	5.55	1660065	1319.947255			4
E 5.56	5.58	5.60	6880384	3180.320116			5
5.93	5.95	5.97	2416938	1960.793667			6
Height Summation:			**28954060**				
Amount Avg CF:			**2336.083208**	Linear:			
Aroclor-1268					**6**	**124.71**	
5.51	5.53	5.55	1660065	458.004431			1
5.56	5.58	5.60	6880384	1828.672516			2
5.71	5.73	5.75	124401.9	38.97614			3
5.78	5.80	5.82	49439.54	61.363552			4
+ 5.78	5.82	5.82	32627.29	40.496461			4
5.93	5.95	5.97	2416938	1911.368585			5
6.13	6.15	6.17	472842.6	43.528471			6
Height Summation:			**11604071.04**				
Amount Avg CF:			**723.652283**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229556** ACF DF10 04A07 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.05 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843A
Result file : 07PCBS17299001.0042.RAW
Calibration file : 07PCBS1729901.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**98.81**	
5.96	5.98	6.00	9607782	1932.912065			1
6.02	6.03	6.06	1424000	348.619464			2
6.15	6.17	6.19	85026.95	22.349124			3
+ 6.21	6.22	6.25	180770.5	188.150222			4
6.21	6.25	6.25	1464278	1524.055257			4
E 6.38	6.40	6.42	3456359	2368.154237			5
6.58	6.60	6.62	589774.1	49.720959			6

Height Summation: **16627220.05**
Amount Avg CF: **1040.968518** Linear:

Analysis Report (B)

Injected on : Oct 27, 2017 05:54:46
Instrument : CP 7--19843B
Result file : 07PCBS17299001B.0042.RAW
Calibration file : 07PCBS1729901B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			507.4627	98.5075		** 96.14	4	40	
Aroclor-1221			507.4627	152.2388		** 116.51	3	40	
Aroclor-1232			507.4627	122.3881		** 78.34	4	40	
Aroclor-1242			507.4627	122.3881		** 95.26	4	40	
Aroclor-1248			507.4627	98.5075		25.40	4	40	
Aroclor-1254			507.4627	131.3433		** 47.67	4	40	
Aroclor-1260			507.4627	116.4179		14.08	4	40	
Aroclor-1262			507.4627	98.5075	E	21.44	4	40	
Aroclor-1268			507.4627	98.5075	E	35.96	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082
Injected On: 10/27/2017 5:54:46 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: 07pcbs17299001.0042.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.519		29446	39081
1.557		10769	7666
1.599		32081	62040
1.637		5381	2052
1.658		160018	170031
1.708		31575	30619
1.733		22002	19783
1.764		35852	32696
1.786		8328	3929
1.809		44256	44824
1.835		48206	62644
1.862		26336	18088
1.879		20653	11703
1.892		32437	24381
1.908		43663	34529
1.934		33523	39453
1.959		27545	31761
1.976		26547	15924
1.988		21732	12889
2.001		40046	29430
2.02		40179	33993
2.047		41406	31912
2.07		32835	23072
2.088		61462	56439
2.105		66216	60391
2.132		158147	202241
2.193		78589	160807
2.224		106171	186419
2.259		58530	66920
2.292		258100	211388
2.309		54096	33215
2.322		58770	42216
2.341		33660	26304
2.36		50867	77555
2.4		74336	100336
2.433		41836	28238
2.482		66229	110269
2.512		35038	43084
2.538		41713	52465
2.579		36320	57080
2.607		35619	35719
2.628		22066	14850
2.647		16691	8817
2.662		18301	16683
2.701		15291	10777
2.727		36844	32974
2.747		438100	278101
2.799		27870	43488
2.835		41424	38184
2.861		25447	14514
2.884		17673	9285
2.9		29438	18878
2.93		13064	10615

RT A	Compound A	Height A	Area A
2.979		37106	37972
3.004		14426	5605
3.028	TCX	1336018	890920
3.079		20530	15552
3.1		28920	38408
3.144		12447	12034
3.18		10596	6970
3.195		15835	8230
3.223		19877	18478
3.24		10972	4566
3.257		10209	4579
3.274		17589	15521
3.309		9618	3299
3.351		296694	255367
3.375		14203	10572
3.404		8814	5625
3.43		9593	6121
3.457		17442	14264
3.479		17024	10791
3.503		25728	15195
3.518		17841	9155
3.536		4847	1652
3.572		18244	12457
3.592		13428	10442
3.618		32455	22310
3.645		13456	8327
3.668		10971	8560
3.693		28951	17222
3.716		12417	9123
3.747		11523	11727
3.79		16850	8124
3.803		40273	36194
3.843		61327	53521
3.868		1672	510
3.881		2563	671
3.901		62295	62024
3.945		20536	14915
3.971		329016	240731
4.001		123286	136701
4.021		26667	11070
4.05		14393	8214
4.079		9843	5300
4.1		166716	120972
4.125		49753	31105
4.157		66849	46044
4.192		143605	183143
4.234		39764	33501
4.266		22345	15230
4.279		10580	4648
4.299		3899	1980
4.32		59669	39464
4.357		1850671	1414340
4.376		113948	54278
4.403		323157	265380
4.472		482840	438207
4.515		2645936	2456322
4.55		540484	429607
4.592		51317	37123
4.615		88809	68126
4.657		638834	630116
4.711		448689	294171
4.727		687852	505865
4.774		3054766	2595916
4.822		3312725	3626538
4.86		852161	607844
4.9		7914973	7264921

RT A	Compound A	Height A	Area A
4.948		153468	144283
4.99		1421729	1439471
5.023		86639	56743
5.05		1618838	1474331
5.103		8609890	6879917
5.119		523932	310718
5.153		1797741	1585253
5.195		4952838	5017403
5.237		174363	105952
5.274		953433	1133568
5.309		13141650	11418060
5.332		550690	262645
5.35		190376	82286
5.373		5841628	5149882
5.416		3883658	3573893
5.513		1014771	832140
5.536		6166064	5041999
5.594		3451488	2879428
5.632		1814470	1716619
5.674		289972	290851
5.716		1925800	1774190
5.745		90149	54804
5.772		17638360	16780560
5.857		9909	10235
5.916		5113	3033
5.978		9607782	8855548
6.011		249191	255468
6.031		1424000	1421940
6.125		1103	335
6.145		46845	33787
6.166		85027	63816
6.222		180771	144548
6.249		1464278	1275437
6.31		15827	16165
6.372		9855	5571
6.402		3456359	3232345
6.447		183436	159483
6.522		2269	1671
6.602		589774	573241
6.642		1782	1390
6.715		2292	1961
6.747	DCB	699412	710464
6.781		4239	4543
6.817		3904	1715
6.848		1513	388
6.909		3501	3705
6.955		1678	708
6.982		1258	596
7.021		2747	3645
7.05		1652	1074
7.087		1236	675
7.126		2372	1055
7.203		1718	716
7.236		1918	1463
7.291		17039	37704
7.388		1700	643
7.4		1900	2303
7.474		2022	1000
7.503		1473	1006
7.522		1846	994
7.602		1926	2575
7.657		1750	675
7.68		1907	1094
7.763		2180	2077
7.799		2071	567
7.847		1321	1148

RT A	Compound A	Height A	Area A
7.872		1791	921
7.911		1759	1188
7.968		2561	2153
8.02		2326	913
8.068		1229	884
8.096		1826	2537
8.155		1257	691
8.23		1529	1235
8.313		3223	4633
8.344		1558	432
8.397		1529	432
8.494		2038	748
8.521		1266	328
8.535		1673	627
8.553		1773	533
8.621		1484	607

LANCASTER LABORATORIES

Sample Number: 9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082
Injected On: 10/27/2017 5:54:46 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: 07pcbs17299001B.0042.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.584		10596	11475
1.598		13095	14922
1.638		7644	7218
1.686		5105	3264
1.716		5813	4690
1.758		8820	10129
1.787		10553	7796
1.825		12581	17465
1.847		11890	11858
1.91		57464	89455
1.948		11982	15107
1.99		32165	31480
2.017		12335	9026
2.041		14355	12049
2.076		123286	106279
2.124		6237	4533
2.141		8232	4197
2.166		9213	7063
2.191		8592	8413
2.222		12872	19302
2.284		15598	18014
2.311		7974	9291
2.352		6021	3046
2.368		3492	1883
2.391		2911	1379
2.435		17348	32015
2.491		252772	193839
2.539		4452	2891
2.568		7857	7841
2.589		5212	2936
2.619		7421	8663
2.668		11472	11982
2.703		8235	7779
2.746	TCX	755516	535653
2.807		2235	813
2.835		7313	7395
2.86		4173	5114
2.909		5157	6411
2.946		9681	6496
2.966		12869	9155
3.046		186803	169234
3.106		6454	3760
3.142		6048	8037
3.171		5675	5084
3.213		2371	2642
3.242		20898	21342
3.316		7626	8827
3.366		21978	18849
3.402		19823	13696
3.447		6456	3659
3.463		4924	3017
3.494		2672	1392
3.524		38979	36694
3.544		14162	6988

3.559		15870	18841
3.634		39750	29265
3.667		211950	145233
3.692		161410	100211
3.71		45075	21874
3.801		127642	94801
3.825		28703	16685
3.848		45731	36217
3.879		39677	21790
3.896		60217	38654
3.937		24825	24358
3.983		44173	45117
4.012		27407	16293
4.034		1302333	1001634
4.061		73302	40900
4.082		103559	59618
4.101		276201	190140
4.138		1689461	1294993
4.171		327172	227682
4.191		147705	90917
4.211		24354	13111
4.254		62518	49171
4.29		318182	318716
4.313		22360	24983
4.35		568438	468571
4.396		311710	212754
4.414		687927	380625
4.427		1160464	654086
4.455		817312	851928
4.51		5174903	4479949
4.553		115165	135486
4.581		558351	404237
4.606		1251702	1001754
4.65		6726632	5893335
4.707		27550	20384
4.759		5154246	5149086
4.814		788259	762110
4.854		1425261	1317033
4.892		7222344	6413386
4.925		3107598	2391217
4.965		2171093	1902764
5.036		26560	27969
5.069		678588	831300
5.121		3910085	3284615
5.145		568951	369402
5.196		2202964	2062222
5.232		1053232	839950
5.26		727378	617059
5.293		175809	101919
5.315		10978990	9524491
5.356		182131	135995
5.389		282122	251296
5.507		60700	40623
5.53		1660065	1480683
5.575		6880384	7399584
5.73		124402	114974
5.773		186033	157697
5.8		49440	31144
5.821		32627	19147
5.848		950239	870276
5.89		6599	5624
5.953		2416939	2083569
5.984		122318	91159
6.153		472843	452933
6.313	DCB	558997	532601
6.487		3826	3249
6.52		12323	13447

6.653	1587	1139
6.686	2118	2101
6.722	1164	1308
6.785	5936	7231
6.826	2366	2334
6.896	1917	6130
7.004	1409	2663
7.11	2346	2679
7.145	1542	2361
7.18	1900	2189
7.252	1910	3104
7.37	2127	3746
7.662	1170	2656
7.794	1530	1346
7.829	1615	1774
8.219	1036	3021
8.319	2636	7060
8.495	6174	12818
8.621	4876	14314

9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082

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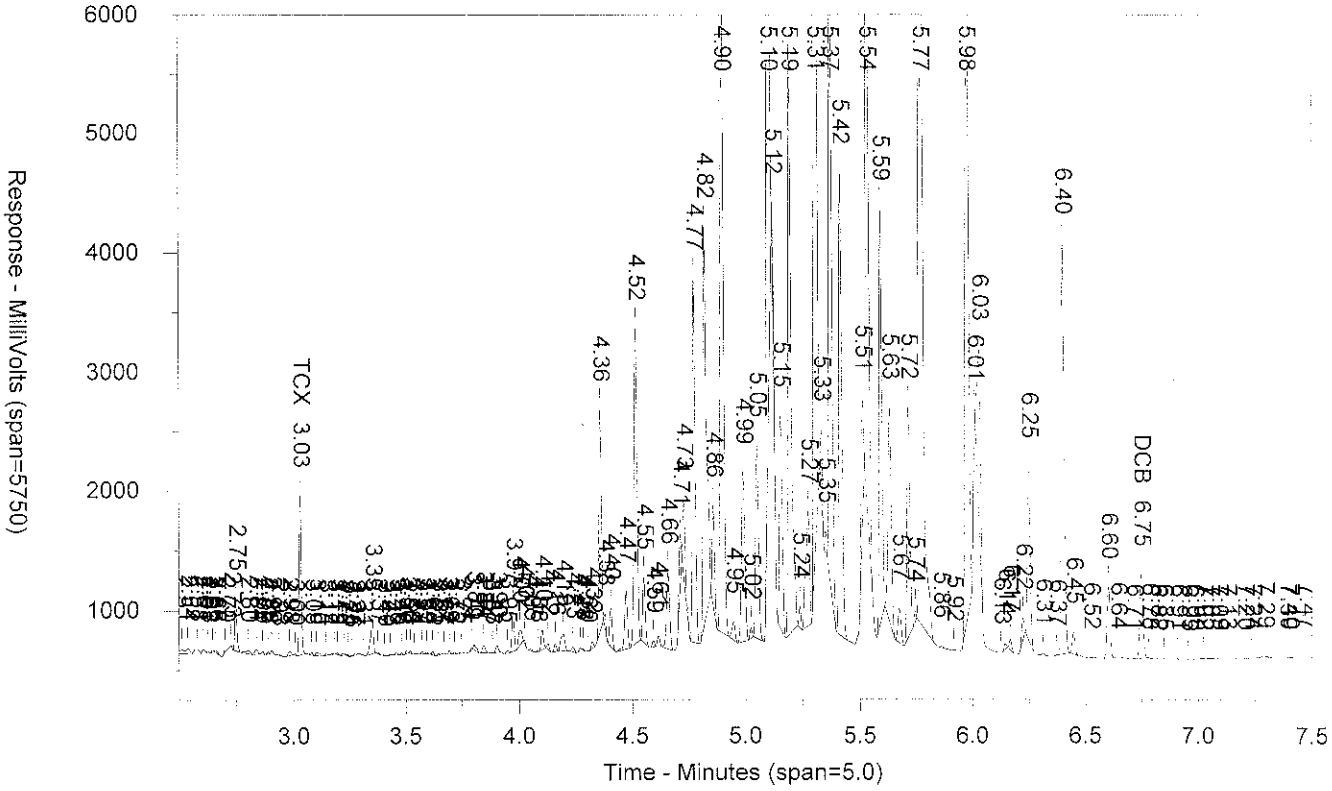

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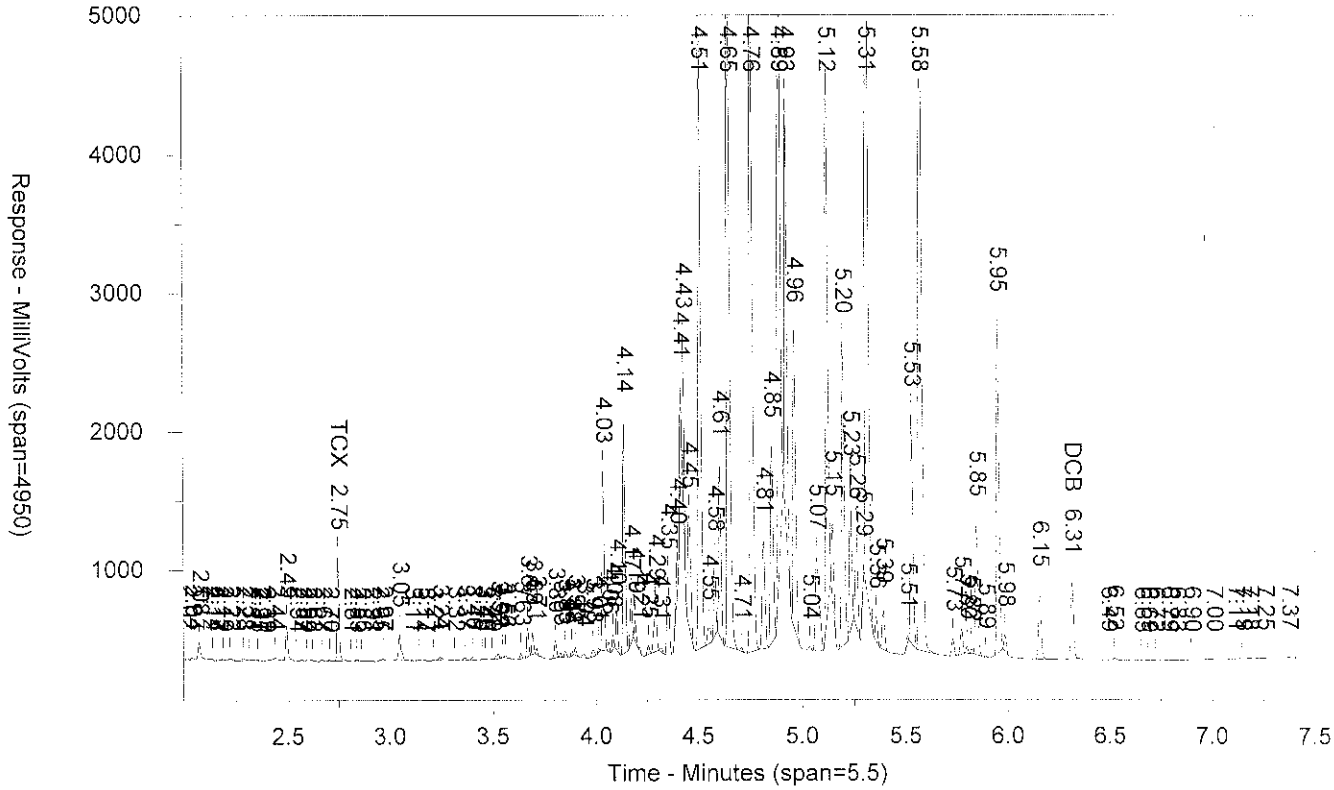

LANCASTER LABORATORIES

Sample Number: 9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082
Injected On: 10/27/2017 5:54:46 AM
Sample Weight: 10.05
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1336018	18.988	TCX	2.746	755516	21.96	TCX
6.747	699412	24.041	DCB	6.313	558997	20.193	DCB

Files:
Area File: 07pcbs17299001.0042.RAW
Area File: 07pcbs17299001B.0042.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:55 AM
File Reported On: 10/29/2017 at 1:44:41 PM

9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082

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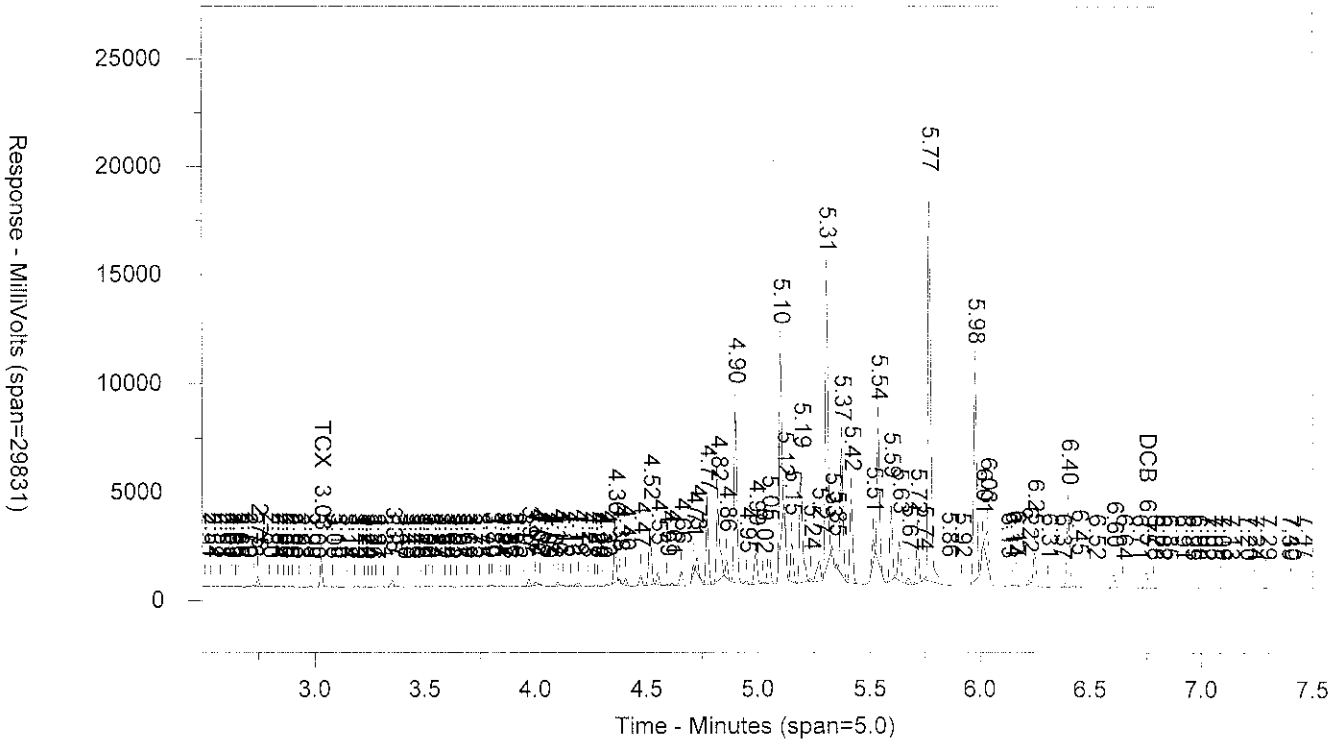

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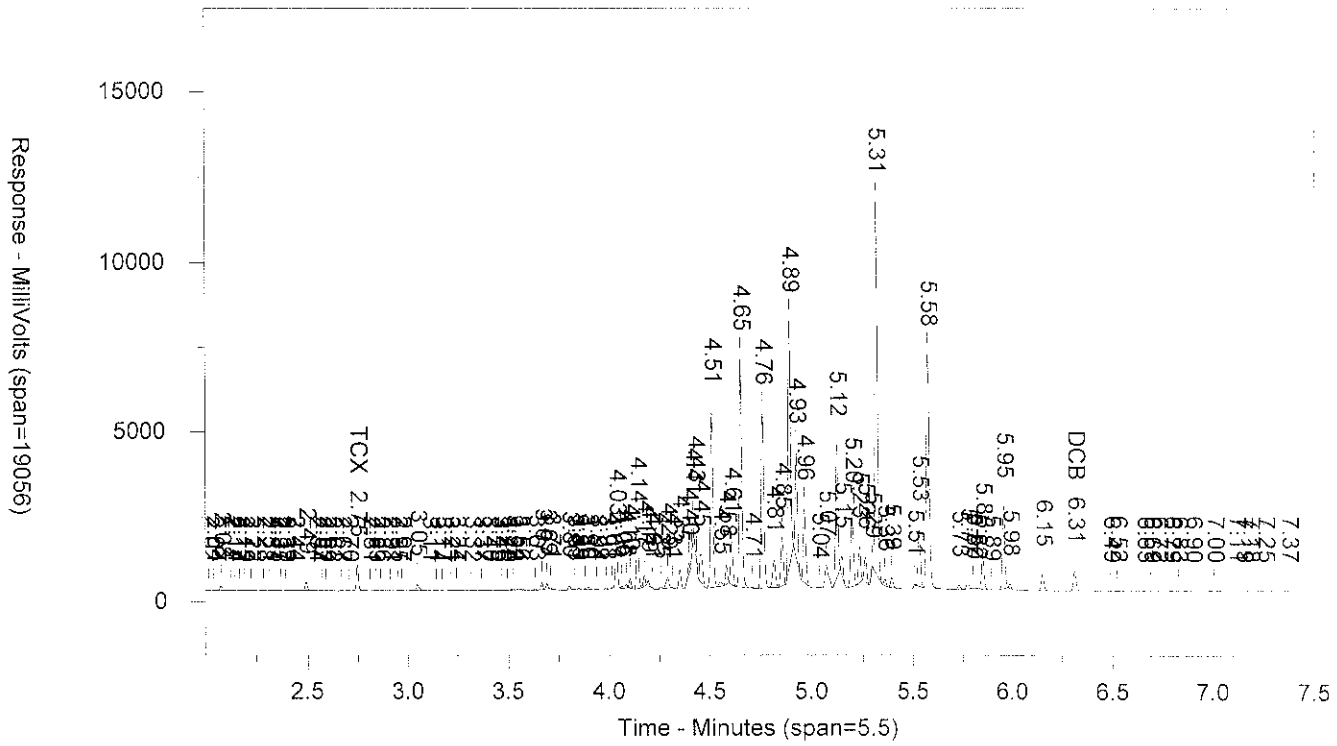

9229556 ACF DF10 AE04A07 T 172860014A 10225 SW-846 8082

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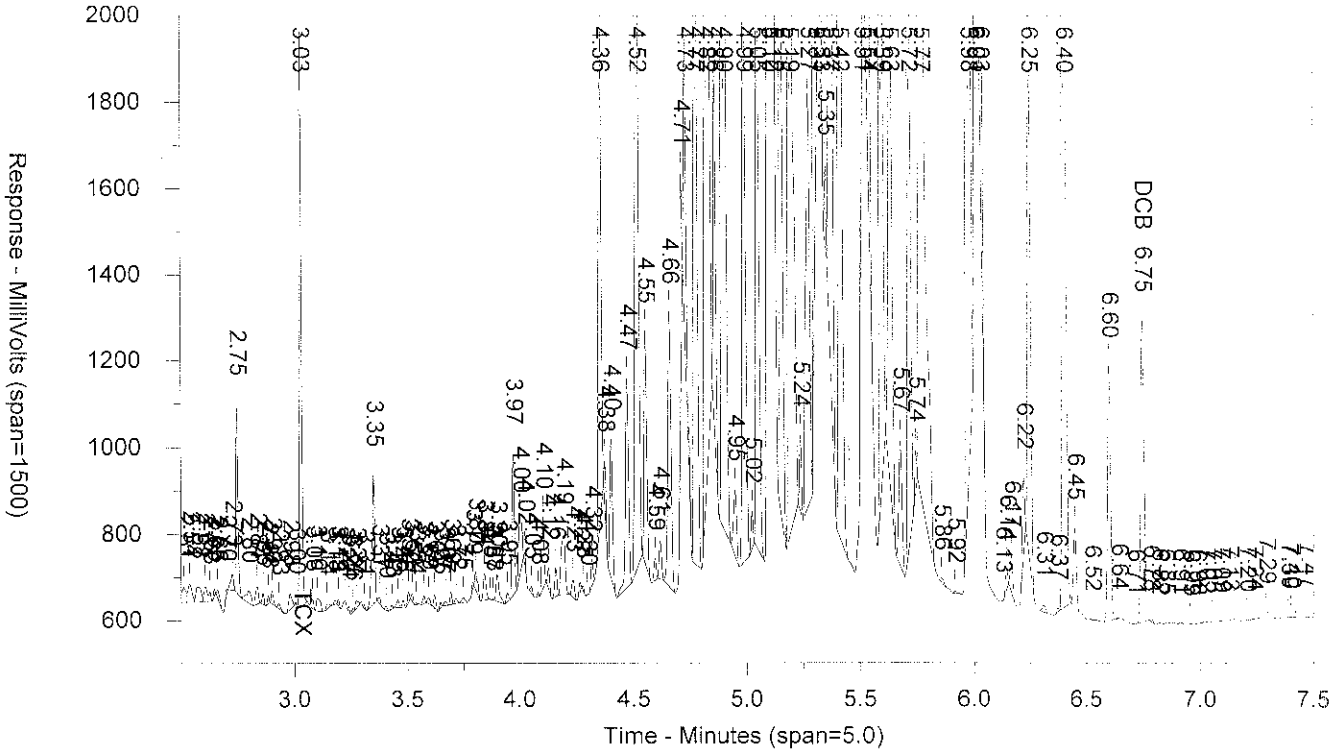

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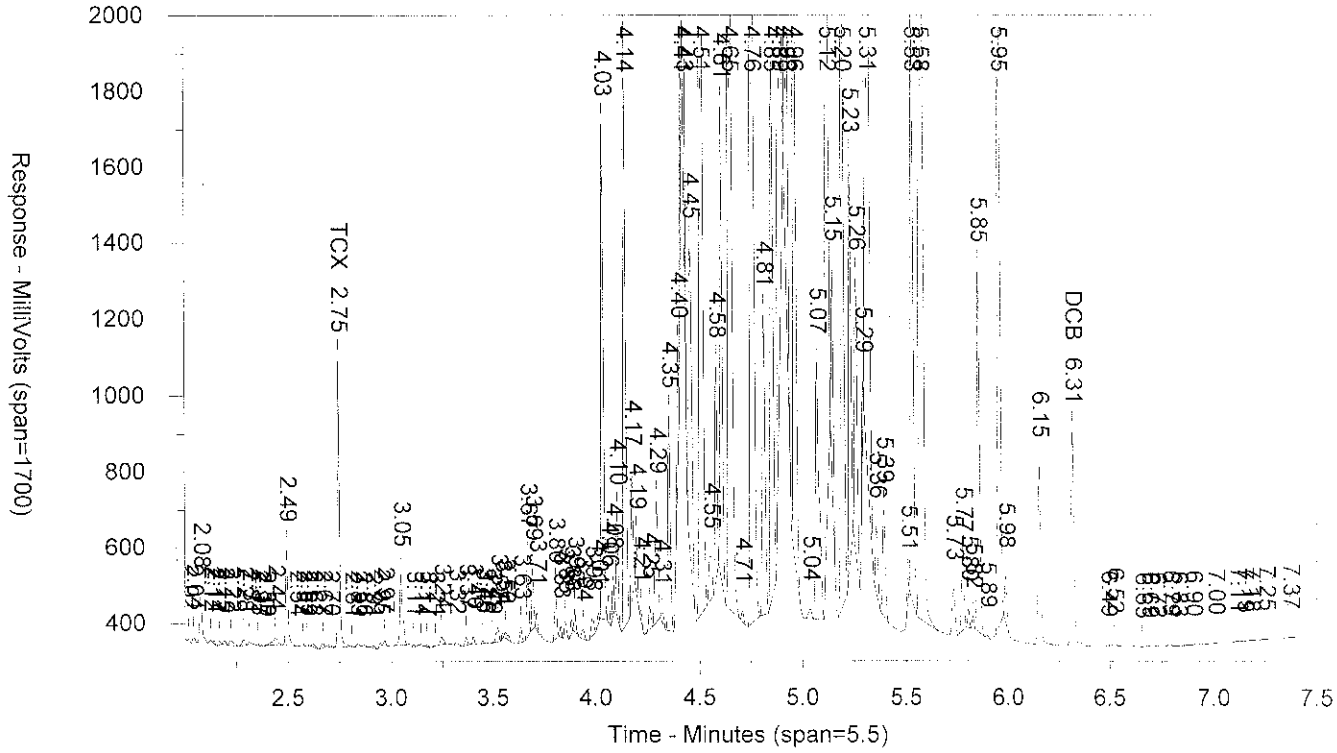

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229557 RI ACF 04A08 Sample ID: AB **Batchnumber: 172860014A**

Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 11:08:31
Instrument	19843A
Result file	07PCBS17292003.0083.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 98% (61 - 152) Conc: 29.00903
%SSR(DCB) 110% (48 - 164) Conc: 28.90185

Analysis Report (B)

Injected on	Oct 24, 2017 11:08:31
Instrument	19843B
Result file	07PCBS17292003B.0083.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 30.9248
%SSR(DCB) 105% (48 - 164) Conc: 27.58332

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	19064140	29.00903
Decachlorobiphenyl	6.72	6.75	6.78	7634674	28.90185

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	9715725	30.9248
Decachlorobiphenyl	6.29	6.32	6.35	6587273	27.58332

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	30.9248				6.39	
✓	Tetrachloro-m-xylene-D1	A	29.00903					
✓	Tetrachloro-m-xylene-D2	B	30.9248					
☐	Decachlorobiphenyl	A	28.90185				4.67	
✓	Decachlorobiphenyl-D1	A	28.90185					
✓	Decachlorobiphenyl-D2	B	27.58332					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.09**	
4.88	4.90	4.92	1605308	87.309933			1
5.29	5.31	5.33	2217104	91.762491			2
5.36	5.37	5.40	1037360	84.829378			3
5.52	5.54	5.56	1133338	89.575542			4
5.76	5.78	5.80	2831934	94.086121			5
5.96	5.98	6.00	1582669	85.538379			6

Height summation: **10407713**
Concentration CF: **88.850307** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.91**	
4.64	4.65	4.68	1365562	97.876779			1
4.75	4.76	4.78	995196.4	82.048305			2
4.88	4.89	4.92	1312589	94.94382			3
5.11	5.12	5.15	762314.2	84.040036			4
5.30	5.32	5.34	1845013	87.248085			5
5.56	5.58	5.60	1267190	89.001666			6

Height summation: **7547864.6**
Concentration CF: **89.193115** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<49.2754	<9.5652	D1		4	
✓	PCB-1221			<49.2754	<14.7826	D1		3	
✓	PCB-1232			<49.2754	<11.8841	D1		4	
✓	PCB-1242			<49.2754	<11.8841	D1		4	
✓	PCB-1248			<49.2754	<9.5652	D1		4	
✓	PCB-1254			<49.2754	<12.7536	D1		4	
✓	PCB-1260	A	88.850307	49.2754	11.3043	D1	0.39	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229557** RI ACF 04A08 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1260 BDS

Analysis Report (A)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0083.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 98% (61-152) Conc.: 29.00903
%SSR(DCB) : 110% (48-164) Conc.: 28.90185

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**36.44**	
+ 3.27	3.27	3.31	11776.31	1.136108			1
3.27	3.29	3.31	12462.45	1.202302			1
+ 3.48	3.48	3.52	11861.15	1.101114			2
3.48	3.51	3.52	24727.35	2.295531			2
3.82	3.85	3.86	30404.28	2.101679			4
3.88	3.90	3.92	16487.55	1.362918			5
+ 3.88	3.92	3.92	3552.744	0.293682			5
4.08	4.10	4.12	26774.85	2.98067			6
Height Summation:			**110856.48**				
Amount Avg CF:			**1.98862**	Linear:			
Aroclor-1221					**3**	**161.63**	
+ 3.16	3.18	3.20	4995.956	0.94134			1
3.16	3.20	3.20	8540.84	1.609269			1
3.22	3.23	3.26	231747.6	50.649086			2
+ 3.27	3.27	3.31	11776.31	0.714313			3
3.27	3.29	3.31	12462.45	0.755932			3
Height Summation:			**252750.89**				
Amount Avg CF:			**17.671429**	Linear:			
Aroclor-1232					**5**	**56.55**	
+ 3.26	3.27	3.30	11776.31	0.932619			1
3.26	3.29	3.30	12462.45	0.986958			1
+ 3.48	3.48	3.52	11861.15	2.372789			2
3.48	3.51	3.52	24727.35	4.946634			2
3.82	3.85	3.86	30404.28	4.269868			4
3.88	3.90	3.92	16487.55	3.073125			5
+ 3.88	3.92	3.92	3552.744	0.662198			5
4.08	4.10	4.12	26774.85	7.28352			6
Height Summation:			**110856.48**				
Amount Avg CF:			**4.112021**	Linear:			
Aroclor-1242					**5**	**37.98**	
+ 3.27	3.27	3.31	11776.31	1.326096			1
3.27	3.29	3.31	12462.45	1.40336			1
+ 3.48	3.48	3.52	11861.15	1.326999			2
3.48	3.51	3.52	24727.35	2.76644			2
3.82	3.85	3.86	30404.28	2.438508			4
3.88	3.90	3.92	16487.55	1.764204			5
+ 3.88	3.92	3.92	3552.744	0.380151			5
4.08	4.10	4.12	26774.85	3.768639			6
Height Summation:			**110856.48**				
Amount Avg CF:			**2.42823**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0083.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 105% (61-152) Conc.: 30.9248
%SSR(DCB) : 105% (48-164) Conc.: 27.58332

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**77.51**	
3.02	3.05	3.06	34449.18	6.212835			1
3.35	3.38	3.39	29355.63	4.367992			2
3.54	3.55	3.58	5581.901	0.832776			3
+ 3.54	3.58	3.58	4658.491	0.69501			3
3.62	3.64	3.66	11747.49	1.68514			4
3.68	3.69	3.72	58189.02	11.061179			5
+ 3.68	3.71	3.72	10506.92	1.997266			5
3.79	3.80	3.83	24605.71	4.208867			6
Height Summation:			**163928.931**				
Amount Avg CF:			**4.728132**	Linear:			
Aroclor-1221					**2**	**126.34**	
2.96	2.97	3.00	139444.1	74.149069			2
+ 2.96	3.00	3.00	9758.481	5.189049			2
3.02	3.05	3.06	34449.18	4.177515			3
Height Summation:			**173893.28**				
Amount Avg CF:			**39.163292**	Linear:			
Aroclor-1232					**6**	**101.59**	
3.02	3.05	3.06	34449.18	5.281928			1
3.35	3.38	3.39	29355.63	9.391171			2
3.54	3.55	3.58	5581.901	1.747284			3
+ 3.54	3.58	3.58	4658.491	1.458232			3
3.62	3.64	3.66	11747.49	3.863394			4
3.68	3.69	3.72	58189.02	29.937957			5
+ 3.68	3.71	3.72	10506.92	5.405757			5
3.79	3.80	3.83	24605.71	10.356767			6
Height Summation:			**163928.931**				
Amount Avg CF:			**10.096417**	Linear:			
Aroclor-1242					**6**	**81.54**	
3.02	3.05	3.06	34449.18	7.221907			1
3.35	3.38	3.39	29355.63	5.166106			2
3.54	3.55	3.58	5581.901	0.945983			3
+ 3.54	3.58	3.58	4658.491	0.78949			3
3.62	3.64	3.66	11747.49	2.078356			4
3.68	3.69	3.72	58189.02	14.255689			5
+ 3.68	3.71	3.72	10506.92	2.574083			5
3.79	3.80	3.83	24605.71	5.125818			6
Height Summation:			**163928.931**				
Amount Avg CF:			**5.798976**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229557** RI ACF 04A08 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0083.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**161.30**	
3.82	3.85	3.86	30404.28	3.830753			1
3.88	3.90	3.92	16487.55	2.485675			2
+ 3.88	3.92	3.92	3552.744	0.535614			2
3.95	3.97	3.99	68946.01	6.097794			3
4.08	4.10	4.12	26774.85	2.116087			4
4.17	4.18	4.21	38091.02	3.610574			5
4.36	4.36	4.40	458066.9	45.192901			6
+ 4.36	4.38	4.40	18684.78	1.843441			6
Height Summation:			**638770.61**				
Amount Avg CF:			**10.555631**	Linear:			
Aroclor-1254					**6**	**104.10**	
+ 4.69	4.71	4.73	83752.45	6.767412			1
4.69	4.73	4.73	160457.2	12.965352			1
4.76	4.78	4.80	481895.7	19.64102			2
4.88	4.90	4.92	1605308	214.875517			3
4.97	4.99	5.01	259458.7	16.20927			4
5.17	5.20	5.21	903282.1	72.173026			5
5.29	5.31	5.33	2217104	138.79047			6
Height Summation:			**5627505.7**				
Amount Avg CF:			**79.109109**	Linear:			
Aroclor-1260					**6**	**4.09**	
4.88	4.90	4.92	1605308	87.309933			1
5.29	5.31	5.33	2217104	91.762491			2
5.36	5.37	5.40	1037360	84.829378			3
5.52	5.54	5.56	1133338	89.575542			4
5.76	5.78	5.80	2831934	94.086121			5
5.96	5.98	6.00	1582669	85.538379			6
Height Summation:			**10407713**				
Amount Avg CF:			**88.850307**	Linear:			
Aroclor-1262					**6**	**26.25**	
5.35	5.37	5.39	1037360	52.470054			1
5.52	5.54	5.56	1133338	66.633449			2
5.75	5.78	5.79	2831934	79.829038			3
5.96	5.98	6.00	1582669	68.758261			4
6.01	6.03	6.05	395146.3	36.381817			5
6.38	6.41	6.42	602952.8	50.94202			6
Height Summation:			**7583400.1**				
Amount Avg CF:			**59.169106**	Linear:			
Aroclor-1268					**6**	**104.76**	
5.96	5.98	5.99	1582669	36.919244			1
6.01	6.03	6.05	395146.3	10.759638			2
6.15	6.17	6.19	123490.9	3.64943			3
6.21	6.23	6.25	73659.77	8.137174			4
6.38	6.41	6.42	602952.8	45.159529			5
6.58	6.61	6.62	165412.2	1.597992			6
Height Summation:			**2943330.97**				
Amount Avg CF:			**17.703835**	Linear:			

1260 B005

Analysis Report (B)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0083.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**138.93**	
3.54	3.55	3.58	5581.901	1.700716			1
+ 3.54	3.58	3.58	4658.491	1.419368			1
3.62	3.64	3.66	11747.49	2.950871			2
3.68	3.69	3.72	58189.02	9.938031			3
+ 3.68	3.71	3.72	10506.92	1.794464			3
3.79	3.80	3.83	24605.71	3.029849			4
3.88	3.88	3.92	13436.7	2.736175			5
+ 3.88	3.90	3.92	6452.905	1.314034			5
4.02	4.04	4.06	348456.6	34.066553			6
Height Summation:			**462017.421**				
Amount Avg CF:			**9.070366**	Linear:			
Aroclor-1254					**6**	**99.91**	
4.34	4.35	4.38	117503.8	13.647511			1
+ 4.40	4.42	4.44	79549.51	5.322824			2
4.40	4.43	4.44	283661.7	18.980396			2
4.50	4.51	4.54	1112264	153.866395			3
4.57	4.58	4.61	115768.2	12.503335			4
4.64	4.65	4.68	1365562	231.93022			5
4.88	4.89	4.92	1312589	119.013331			6
Height Summation:			**4307348.7**				
Amount Avg CF:			**91.656865**	Linear:			
Aroclor-1260					**6**	**6.91**	
4.64	4.65	4.68	1365562	97.876779			1
4.75	4.76	4.78	995196.4	82.048305			2
4.88	4.89	4.92	1312589	94.94382			3
5.11	5.12	5.15	762314.2	84.040036			4
+ 5.11	5.15	5.15	91275.05	10.062463			4
5.30	5.32	5.34	1845013	87.248085			5
5.56	5.58	5.60	1267190	89.001666			6
Height Summation:			**7547864.6**				
Amount Avg CF:			**89.193115**	Linear:			
Aroclor-1262					**6**	**28.12**	
4.91	4.93	4.95	569143.4	43.468801			1
5.11	5.12	5.15	762314.2	55.464545			2
5.30	5.32	5.34	1845013	71.937268			3
5.52	5.53	5.56	337053.1	34.204989			4
5.56	5.58	5.60	1267190	71.247556			5
5.94	5.96	5.98	472105.5	48.252468			6
Height Summation:			**5252819.2**				
Amount Avg CF:			**54.095938**	Linear:			
Aroclor-1268					**6**	**93.22**	
5.52	5.53	5.56	337053.1	10.971262			1
5.56	5.58	5.60	1267190	40.519391			2
5.72	5.74	5.76	105026.7	3.923532			3
5.79	5.80	5.82	118864.3	16.983916			4
5.94	5.96	5.98	472105.5	44.103311			5
6.14	6.16	6.18	149210.8	1.684915			6
Height Summation:			**2449450.4**				
Amount Avg CF:			**19.697721**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229557** RI ACF 04A08 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10.35 g Total Volume: 10 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0083.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 11:08:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0083.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49.2754	9.5652		** 81.57	4	40	
Aroclor-1221			49.2754	14.7826		** 75.63	3	40	
Aroclor-1232			49.2754	11.8841		** 84.24	4	40	
Aroclor-1242			49.2754	11.8841		** 81.94	4	40	
Aroclor-1248			49.2754	9.5652		15.14	4	40	
Aroclor-1254			49.2754	12.7536		14.70	4	40	
Aroclor-1260			49.2754	11.3043		0.39	4	40	
Aroclor-1262			49.2754	9.5652		8.96	4	40	
Aroclor-1268			49.2754	9.5652		10.66	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:08:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0083.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.512		4913	2221
1.551		8302	7830
1.657		46361	81873
1.705		19008	26928
1.739		12988	12675
1.758		30551	30353
1.79		6332	3390
1.93		7920	7731
1.96		9796	7757
1.999		12806	14819
2.019		9864	7430
2.044		11494	9939
2.08		26679	27266
2.097		51441	50690
2.135		25101	38441
2.19		40821	84350
2.223		651193	517691
2.29		33503	34540
2.314		43532	55466
2.338		19973	15661
2.359		24670	44013
2.404		32650	48213
2.432		20048	13598
2.484		163279	162771
2.531		57527	71404
2.57		19592	28952
2.6		86812	68829
2.629		7769	3467
2.646		8016	4206
2.662		13635	12539
2.7		11359	14768
2.718		10873	11800
2.746		16026	6982
2.758		6859	2569
2.798		23151	32287
2.834		43195	44786
2.86		12802	8722
2.885		10583	4719
2.9		13149	9264
2.931		9965	13384
2.977		16880	15821
3.027	TCX	19064140	12280760
3.101		6513	4229
3.115		12012	6426
3.158		5728	7721
3.18		4996	2262
3.197		8541	4211
3.228		231748	160111
3.257		4676	2149
3.271		11776	5580
3.295		12462	9063
3.309		5214	1959
3.362		53134	73661

RT A	Compound A	Height A	Area A
3.407		8496	4934
3.427		32055	23023
3.457		32057	38462
3.484		11861	9170
3.506		24727	26937
3.536		25783	24248
3.572		21329	23035
3.595		14645	10228
3.66		3660	10002
3.669		7200	5251
3.696		70285	55754
3.724		12255	8896
3.767		20556	35325
3.814		27447	37111
3.845		30404	28746
3.88		4324	5413
3.9		16488	12609
3.919		3553	2558
3.945		7354	5973
3.972		68946	47584
4.009		68847	82598
4.038		2275	925
4.053		8177	5096
4.101		26775	19008
4.126		9449	6593
4.158		15225	11353
4.184		38091	48767
4.235		9110	7766
4.268		3966	3494
4.32		14701	9504
4.358		458067	365756
4.377		18685	8577
4.404		51554	44238
4.472		107037	95750
4.516		670385	592590
4.551		86392	66145
4.592		8165	5544
4.616		11623	8153
4.657		151082	150169
4.713		83752	56328
4.729		160457	107113
4.775		481896	421427
4.823		654913	737588
4.861		170774	121239
4.901		1605308	1446303
4.947		25935	22950
4.991		259459	268679
5.027		41438	30018
5.051		283516	249363
5.104		1993643	2381760
5.155		346864	307934
5.196		903282	925926
5.238		22806	13688
5.274		212590	248585
5.311		2217105	1994443
5.333		78816	40762
5.351		35184	14183
5.375		1037360	923427
5.418		682480	635723
5.515		160907	132163
5.538		1133338	933035
5.596		605008	531320
5.635		328311	303326
5.676		101957	98782
5.718		362053	341575
5.746		6062	2818

RT A	Compound A	Height A	Area A
5.775		2831934	2986211
5.981		1582669	1524210
6.035		395146	736901
6.1		3487	3217
6.169		123491	125592
6.232		73660	61531
6.251		220803	171004
6.318		2106	1833
6.406		602953	575483
6.45		32280	27576
6.607		165412	169577
6.659		2222	810
6.753	DCB	7634675	7708809
7.072		11647	14454
7.133		1241	386
7.236		6466	7854
7.347		1511	419
7.392		1447	338
7.421		1364	624
7.448		1406	436
7.68		2127	669
7.835		926	785
7.982		33927	54497
8.087		1342	657
8.176		1542	718
8.422		2501	3941

LANCASTER LABORATORIES

Sample Number: 9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:08:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0083.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.575		3877	3700
1.763		4510	3651
1.823		9185	13787
1.848		8974	9753
1.875		11302	15039
1.91		18502	21514
1.944		9923	16640
1.991		283051	237261
2.046		17861	17553
2.077		7197	6364
2.125		11874	11461
2.169		7398	7410
2.189		6349	5512
2.237		71930	72059
2.289		6674	6162
2.324		35170	31218
2.354		4800	2424
2.372		1852	949
2.389		9427	5002
2.415		5234	5035
2.437		5308	4293
2.457		3684	2054
2.492		14996	10449
2.54		4422	2395
2.56		13882	10118
2.589		14389	9683
2.617		9810	10729
2.664		11229	12687
2.696		6607	4851
2.747	TCX	9715725	6624450
2.799		62048	39311
2.836		15870	17420
2.868		6557	5281
2.947		5724	3940
2.967		139444	91865
2.997		9758	9729
3.046		34449	58180
3.086		34521	31993
3.128		10811	14203
3.179		3737	2860
3.229		9096	17557
3.255		14137	14170
3.282		10450	10348
3.319		11144	17280
3.383		29356	35631
3.402		8630	4113
3.429		5407	6481
3.461		17003	13382
3.496		6160	5050
3.525		5762	5798
3.547		5582	2917
3.576		4658	5547
3.636		11747	10111
3.669		39789	25665

3.694		58189	35767
3.713		10507	5000
3.778		2016	997
3.802		24606	19930
3.826		9614	6005
3.852		11600	9400
3.881		13437	7839
3.899		6453	3985
3.941		4594	4562
3.988		15592	15637
4.036		348457	268327
4.062		11018	5945
4.085		14963	8309
4.102		62587	42865
4.14		452687	349603
4.174		58945	40158
4.193		31288	17996
4.257		8544	9036
4.288		69092	86874
4.352		117504	94177
4.398		90180	57274
4.417		79550	45472
4.429		283662	175437
4.458		189637	192860
4.511		1112264	1004142
4.558		25029	26252
4.583		115768	83473
4.609		255980	200541
4.653		1365562	1197500
4.709		5424	5207
4.761		995196	1054239
4.817		148862	142694
4.857		276303	273231
4.894		1312589	1180678
4.928		569143	467372
4.967		431352	385160
5.038		5759	6855
5.071		135159	162385
5.124		762314	651046
5.148		91275	58542
5.199		438165	429174
5.234		217963	178208
5.262		147587	137182
5.296		32809	21638
5.317		1845013	1668219
5.358		36209	28283
5.393		114142	101906
5.443		5228	8184
5.51		13053	8460
5.533		337053	300420
5.578		1267190	1434748
5.735		105027	100486
5.777		31186	23984
5.803		118864	100912
5.852		232032	219006
5.956		472106	434337
5.988		24408	19296
6.157		149211	138732
6.255		2732	2471
6.318	DCB	6587273	6430210
6.49		2809	2133
6.585		4597	4396
6.635		7171	6842
6.738		6679	7673
6.794		2881	2941
6.911		1500	4738
7.185		2107	1749

7.263	22679	35209
8.053	1040	903

9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082

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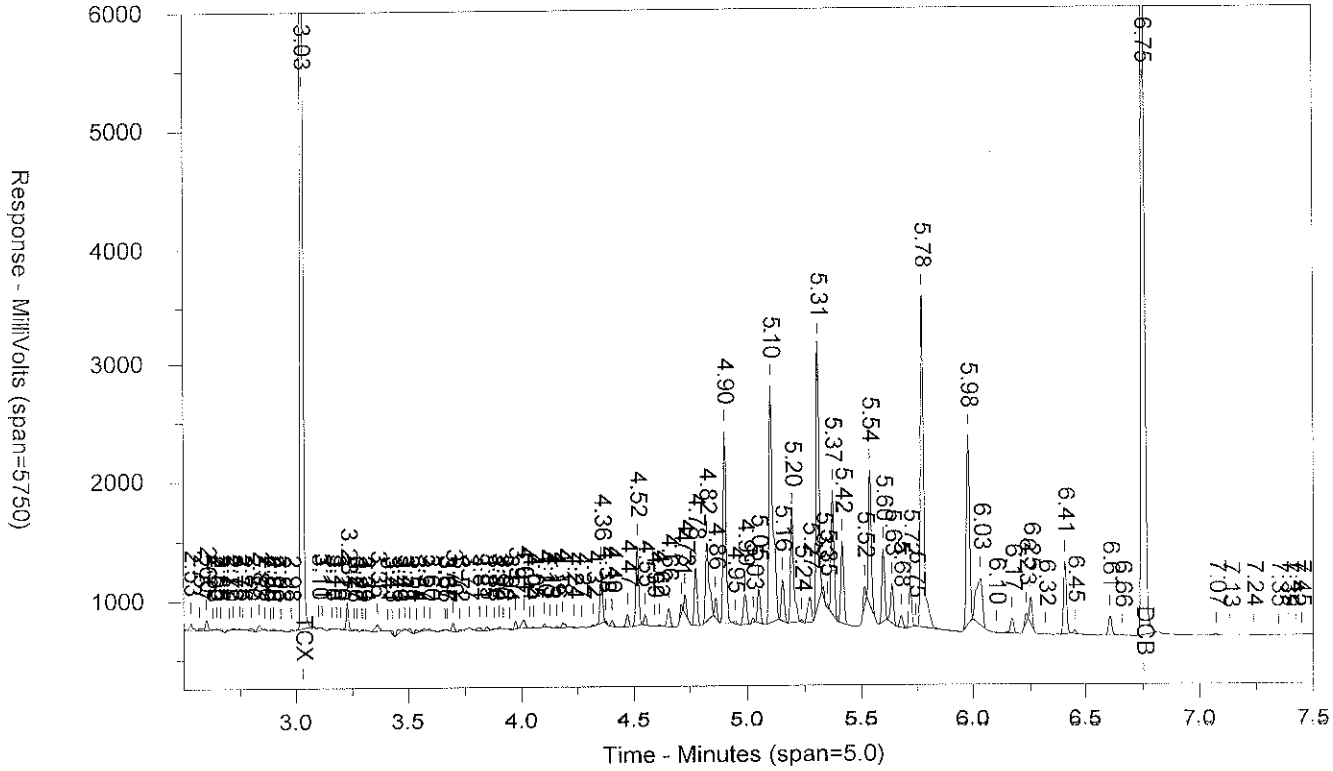

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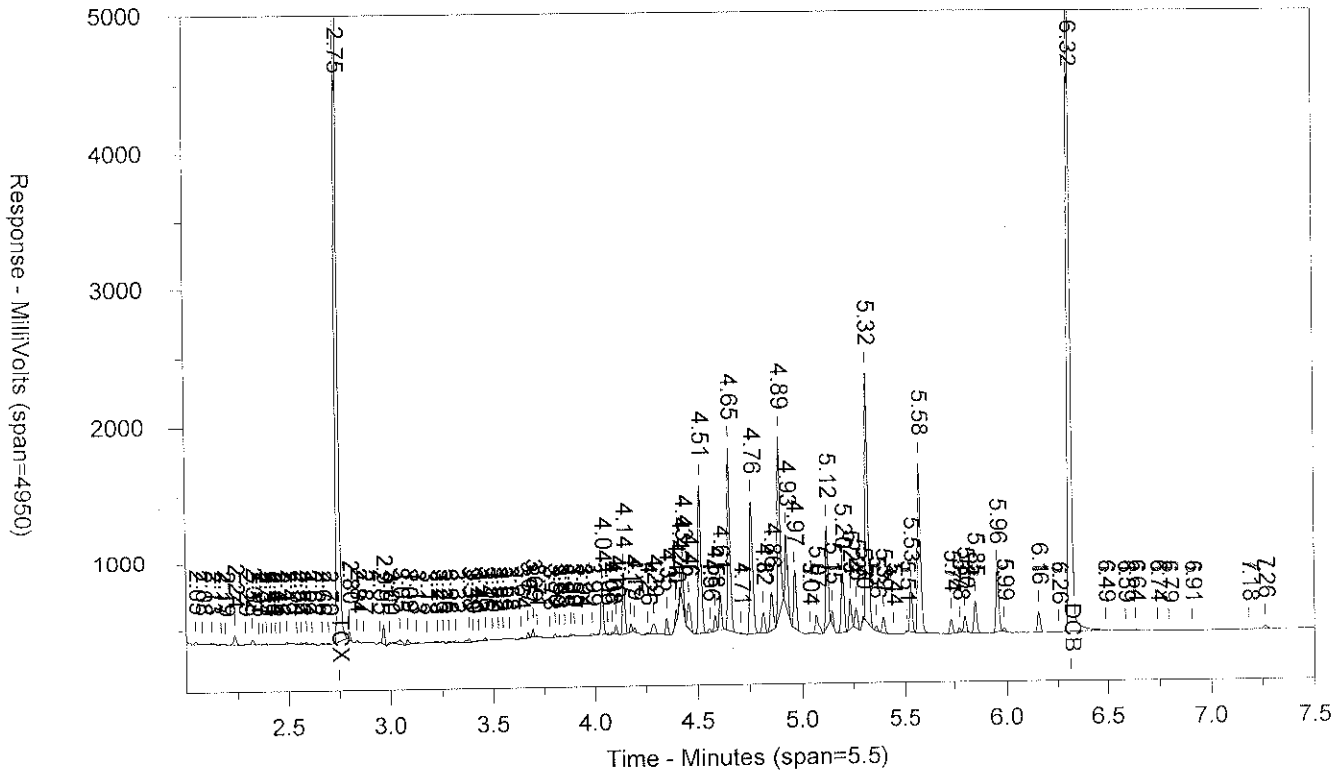

LANCASTER LABORATORIES

Sample Number: 9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:08:31 AM
Sample Weight: 10.35
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	19064140	29.009	TCX	2.747	9715725	30.925	TCX
6.753	7634675	28.902	DCB	6.318	6587273	27.583	DCB

Files:
Area File: 07PCBS17292003.0083.RAW
Area File: 07PCBS17292003B.0083.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 11:17:12 AM
File Reported On: 10/24/2017 at 11:17:32 AM

9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082

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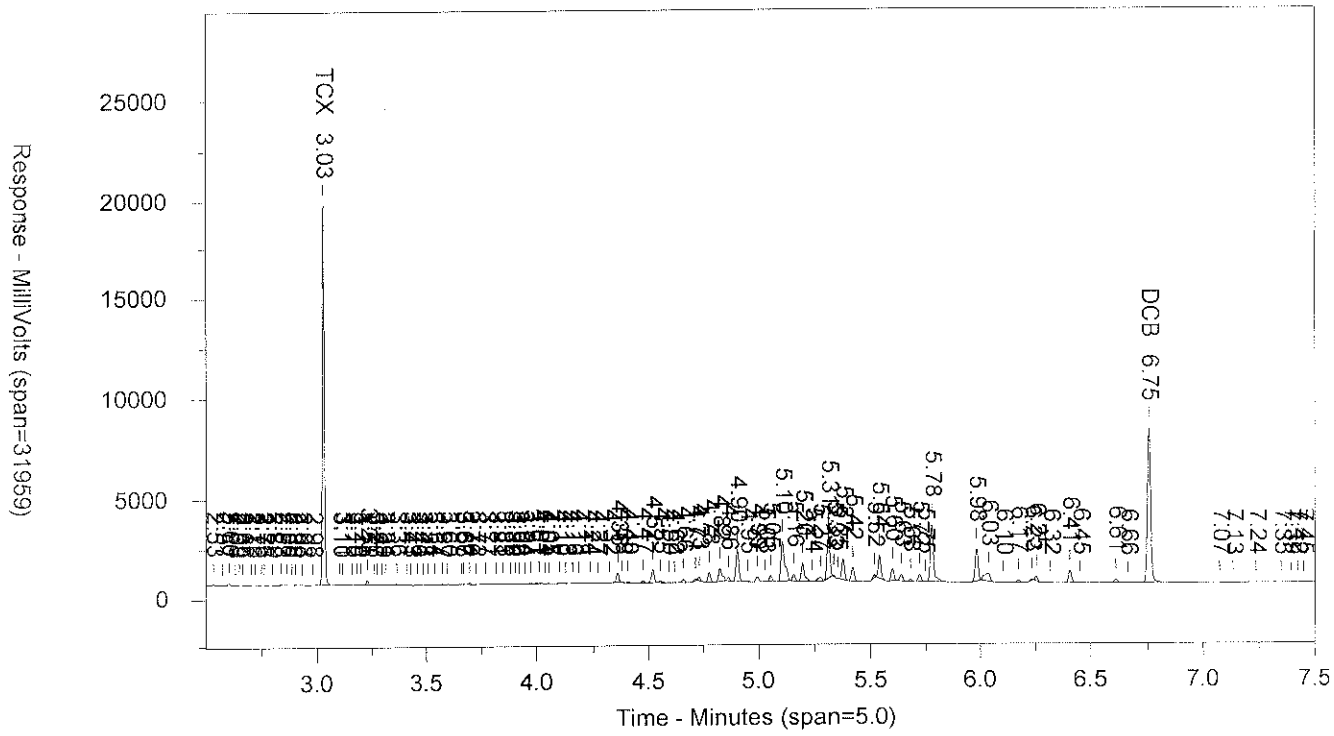

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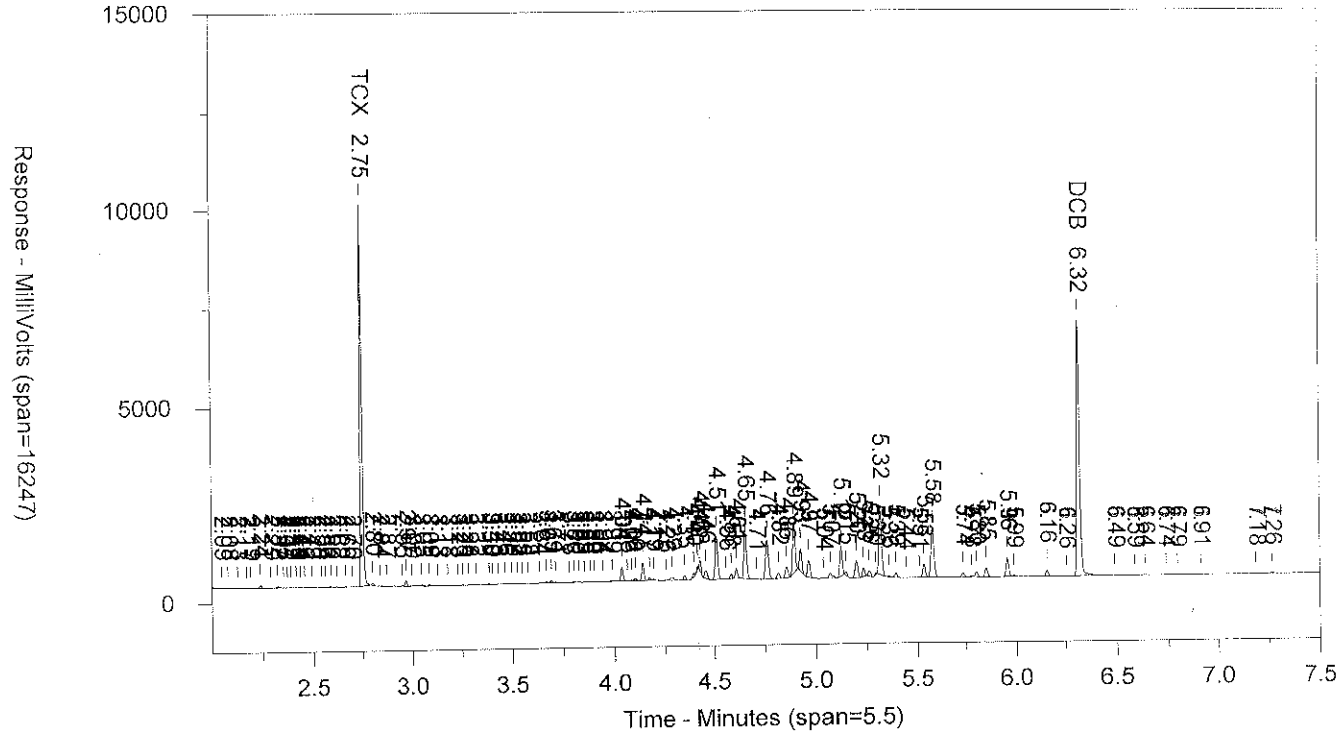

9229557 RI ACF AB04A08 T 172860014A 10225 SW-846 8082

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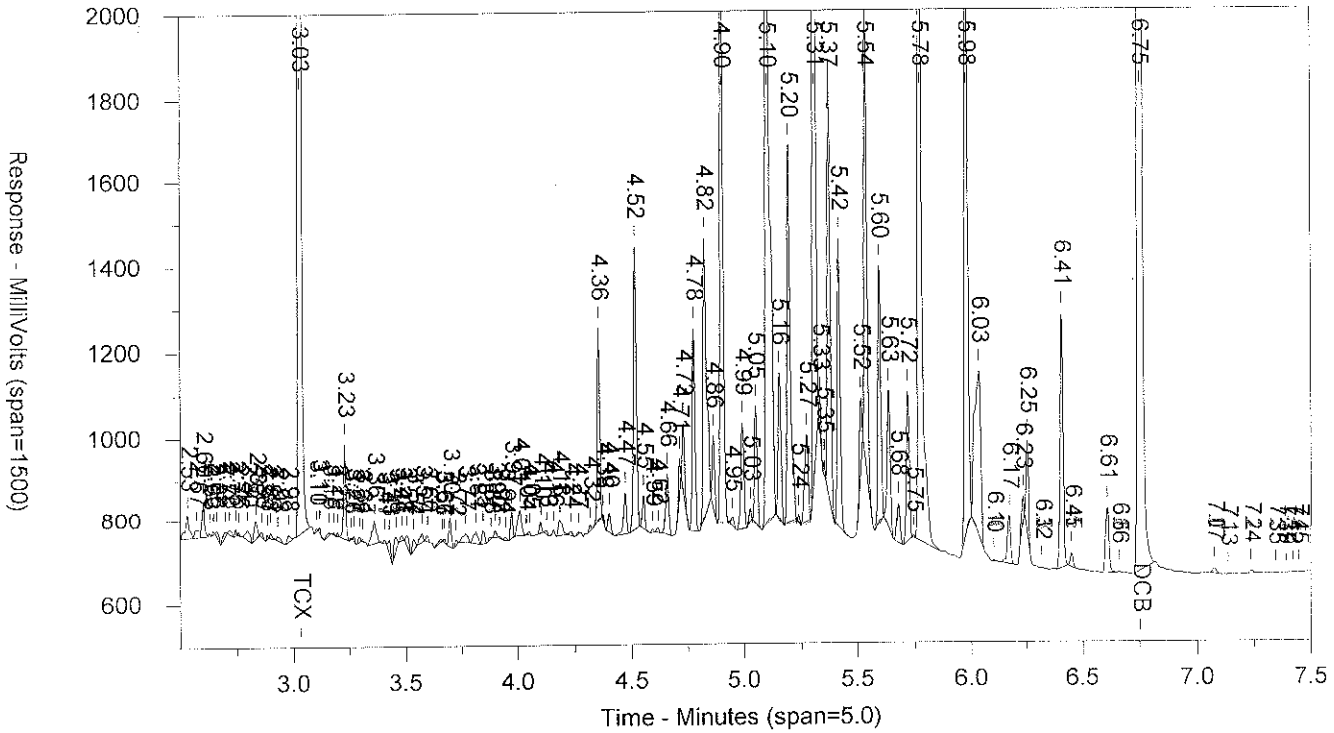

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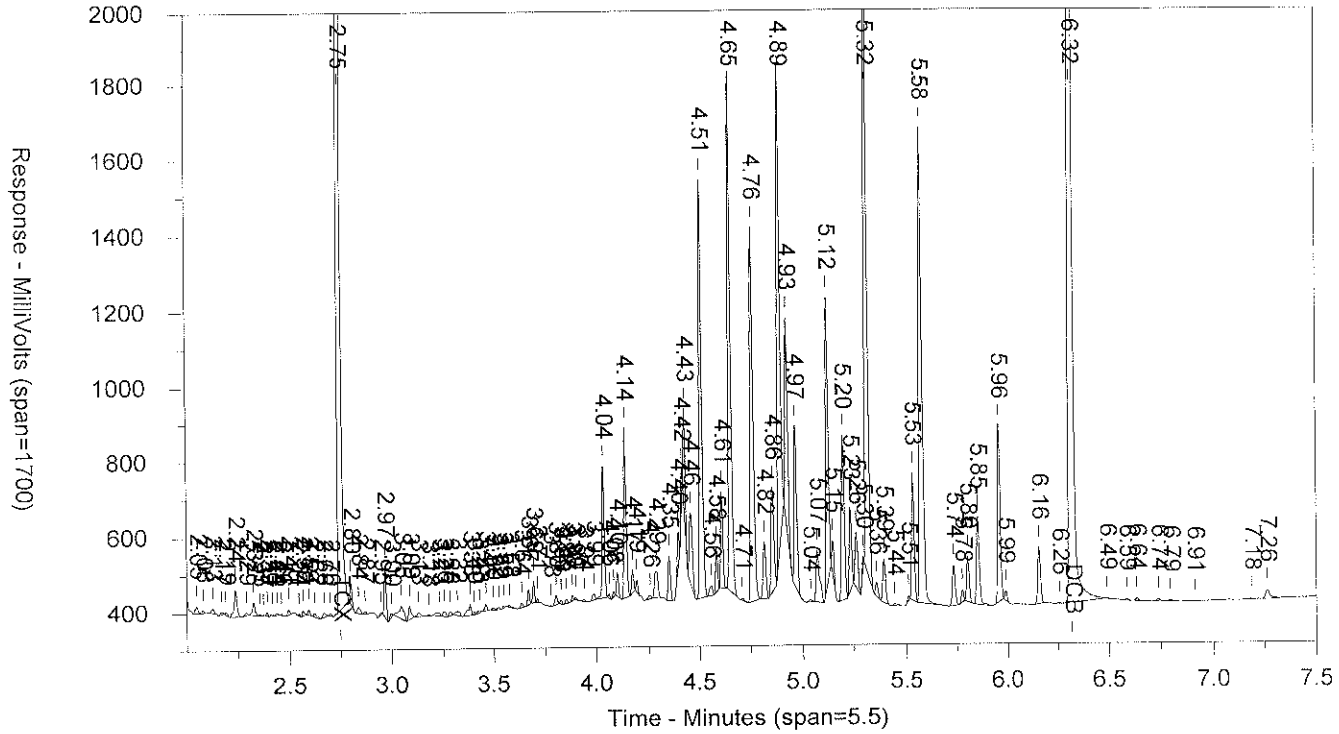

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229558 ACF DF50 04A09 Sample ID:AC **Batchnumber: 172860014A**

Sample Amount: 10.38 g Total Volume: 500 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 11:19:57
Instrument	19843A
Result file	07PCBS17292003.0084.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 76% (61 - 152) Conc: 22.50023

%SSR(DCB) 121% (48 - 164) Conc: 31.74037

Analysis Report (B)

Injected on	Oct 24, 2017 11:19:57
Instrument	19843B
Result file	07PCBS17292003B.0084.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 96% (61 - 152) Conc: 28.1983

%SSR(DCB) 123% (48 - 164) Conc: 32.17533

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	296591	22.50023
Decachlorobiphenyl	6.72	6.76	6.78	168176	31.74037

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	177696	28.1983
Decachlorobiphenyl	6.29	6.32	6.35	154124	32.17533

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	28.1983				22.48	
✓	Tetrachloro-m-xylene-D1	A	22.50023					
✓	Tetrachloro-m-xylene-D2	B	28.1983					
☐	Decachlorobiphenyl	B	32.17533				1.36	
✓	Decachlorobiphenyl-D1	A	31.74037					
✓	Decachlorobiphenyl-D2	B	32.17533					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**5.52**	
4.88	4.90	4.92	4459078	12091.031603			1
5.29	5.31	5.33	6444068	13296.956395			2
5.36	5.38	5.40	3045644	12416.778136			3
5.52	5.54	5.56	2992924	11793.390672			4
5.76	5.78	5.80	8020978	13285.648574			5
5.96	5.98	6.00	4390544	11830.476939			6

Height summation: **29353236**

Concentration CF: **12452.380387** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.08**	
4.64	4.65	4.68	3610319	12901.102426			1
4.75	4.76	4.78	2725252	11201.610897			2
4.88	4.89	4.92	3867122	13945.651706			3
5.11	5.12	5.15	2000805	10996.892616			4
5.30	5.32	5.34	5309412	12517.451004			5
5.56	5.58	5.60	3393233	11881.823143			6

Height summation: **20906143**

Concentration CF: **12240.755299** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<2456.6473	<476.8786	D1		4	
✓	PCB-1221			<2456.6473	<736.9942	D1		3	
✓	PCB-1232			<2456.6473	<592.4855	D1		4	
✓	PCB-1242			<2456.6473	<592.4855	D1		4	
✓	PCB-1248			<2456.6473	<476.8786	D1		4	
✓	PCB-1254			<2456.6473	<635.8381	D1		4	
✓	PCB-1260	A	12452.380387	2456.6473	563.5838	D1	1.71	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:16

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229558** ACF DF50 04A09 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.38 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1260
B005

Analysis Report (A)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0084.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 76% (61-152) Conc.: 22.50023
%SSR(DCB) : 121% (48-164) Conc.: 31.74037

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	120.27	
3.27	3.29	3.31	77226.15	371.439083			1
3.48	3.50	3.52	89863.41	415.91203			2
+ 3.48	3.52	3.52	68461.09	316.856337			2
3.60	3.62	3.64	103898.1	417.017203			3
3.82	3.85	3.86	149683.8	515.845251			4
+ 3.88	3.88	3.92	1383.51	5.701762			5
3.88	3.90	3.92	128251.6	528.554226			5
4.08	4.10	4.12	548523.6	3044.353707			6
Height Summation:			**1097446.66**				
Amount Avg CF:			**882.186917**	Linear:			
Aroclor-1221					3	14.31	
3.16	3.18	3.20	20142.22	189.211876			1
+ 3.16	3.20	3.20	14924.29	140.195714			1
+ 3.22	3.22	3.26	17385.49	189.433291			2
3.22	3.24	3.26	23109.48	251.802212			2
3.27	3.29	3.31	77226.15	233.537604			3
Height Summation:			**120477.85**				
Amount Avg CF:			**224.850564**	Linear:			
Aroclor-1232					6	137.65	
3.26	3.29	3.30	77226.15	304.910648			1
+ 3.48	3.48	3.52	15631.96	155.90451			2
3.48	3.50	3.52	89863.41	896.247872			2
+ 3.48	3.52	3.52	68461.09	682.792988			2
3.60	3.62	3.64	103898.1	889.963214			3
3.82	3.85	3.86	149683.8	1048.015025			4
+ 3.88	3.88	3.92	1383.51	12.8564			5
3.88	3.90	3.92	128251.6	1191.790315			5
4.08	4.10	4.12	548523.6	7439.13709			6
Height Summation:			**1097446.66**				
Amount Avg CF:			**1961.67736**	Linear:			
Aroclor-1242					6	123.55	
3.27	3.29	3.31	77226.15	433.553944			1
3.48	3.50	3.52	89863.41	501.232965			2
+ 3.48	3.52	3.52	68461.09	381.856811			2
3.60	3.62	3.64	103898.1	500.591718			3
3.82	3.85	3.86	149683.8	598.518183			4
+ 3.88	3.88	3.92	1383.51	7.380536			5
3.88	3.90	3.92	128251.6	684.176847			5
4.08	4.10	4.12	548523.6	3849.158801			6
Height Summation:			**1097446.66**				
Amount Avg CF:			**1094.538743**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0084.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 96% (61-152) Conc.: 28.1983
%SSR(DCB) : 123% (48-164) Conc.: 32.17533

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	113.62	
+ 3.02	3.03	3.06	25551.78	229.744495			1
3.02	3.05	3.06	37650.64	338.529343			1
3.35	3.37	3.39	82186.23	609.680728			2
3.54	3.55	3.58	47006.42	349.636013			3
+ 3.54	3.56	3.58	36939.98	274.761348			3
3.62	3.64	3.66	79365.95	567.594319			4
3.68	3.69	3.72	482824.9	4575.75806			5
+ 3.68	3.71	3.72	204304.8	1936.207796			5
3.79	3.80	3.83	358975.5	3061.308915			6
Height Summation:			**1088009.64**				
Amount Avg CF:			**1583.75123**	Linear:			
Aroclor-1221					3	48.60	
2.90	2.92	2.94	13485.35	206.634583			1
2.96	2.97	3.00	2840.74	75.309549			2
+ 3.02	3.03	3.06	25551.78	154.480371			3
3.02	3.05	3.06	37650.64	227.627384			3
Height Summation:			**53976.73**				
Amount Avg CF:			**169.857172**	Linear:			
Aroclor-1232					6	125.70	
+ 3.02	3.03	3.06	25551.78	195.320476			1
3.02	3.05	3.06	37650.64	287.805426			1
3.35	3.37	3.39	82186.23	1310.811956			2
3.54	3.55	3.58	47006.42	733.586874			3
+ 3.54	3.56	3.58	36939.98	576.489008			3
3.62	3.64	3.66	79365.95	1301.281162			4
E 3.68	3.69	3.72	482824.9	12384.651324			5
+ 3.68	3.71	3.72	204304.8	5240.499634			5
3.79	3.80	3.83	358975.5	7532.967689			6
Height Summation:			**1088009.64**				
Amount Avg CF:			**3925.184072**	Linear:			
Aroclor-1242					6	117.01	
+ 3.02	3.03	3.06	25551.78	267.058962			1
3.02	3.05	3.06	37650.64	393.512345			1
3.35	3.37	3.39	82186.23	721.080835			2
3.54	3.55	3.58	47006.42	397.165472			3
+ 3.54	3.56	3.58	36939.98	312.112358			3
3.62	3.64	3.66	79365.95	700.03872			4
3.68	3.69	3.72	482824.9	5897.253974			5
+ 3.68	3.71	3.72	204304.8	2495.391794			5
3.79	3.80	3.83	358975.5	3728.2505			6
Height Summation:			**1088009.64**				
Amount Avg CF:			**1972.883641**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229558** ACF DF50 04A09 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.38 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0084.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**101.19**	
3.82	3.85	3.86	149683.8	940.236662			1
+ 3.88	3.88	3.92	1383.51	10.398808			2
3.88	3.90	3.92	128251.6	963.971177			2
3.95	3.97	3.99	925498.3	4080.86503			3
4.08	4.10	4.12	548523.6	2161.298818			4
4.17	4.20	4.21	323785.2	1530.113423			5
4.36	4.36	4.40	1868701	9191.663681			6
+ 4.36	4.38	4.40	492385.1	2421.916744			6
Height Summation:			**3944443.5**				
Amount Avg CF:			**3144.691465**	Linear:			
Aroclor-1254					**6**	**82.19**	
4.69	4.71	4.73	619948.9	2497.433948			1
+ 4.69	4.73	4.73	317832.8	1280.373954			1
4.76	4.78	4.80	3120317	6340.488295			2
4.88	4.90	4.92	4459078	29756.828013			3
4.97	4.99	5.01	1867598	5816.900321			4
5.17	5.20	5.21	2841440	11318.868214			5
5.29	5.31	5.33	6444068	20111.603361			6
Height Summation:			**19352449.9**				
Amount Avg CF:			**12640.353692**	Linear:			
Aroclor-1260					**6**	**5.52**	
4.88	4.90	4.92	4459078	12091.031603			1
5.29	5.31	5.33	6444068	13296.956395			2
5.36	5.38	5.40	3045644	12416.778136			3
5.52	5.54	5.56	2992924	11793.390672			4
5.76	5.78	5.80	8020978	13285.648574			5
5.96	5.98	6.00	4390544	11830.476939			6
Height Summation:			**29353236**				
Amount Avg CF:			**12452.380387**	Linear:			
Aroclor-1262					**6**	**42.48**	
5.35	5.38	5.39	3045644	7680.228625			1
5.52	5.54	5.56	2992924	8772.866781			2
E 5.75	5.78	5.79	8020978	11272.444232			3
5.96	5.98	6.00	4390544	9509.684774			4
+ 6.01	6.01	6.05	163734.2	751.586319			5
+ 6.01	6.03	6.05	31277.4	143.572118			5
6.01	6.04	6.05	373643.2	1715.128039			5
6.38	6.41	6.42	1699750	7159.635159			6
Height Summation:			**20523483.2**				
Amount Avg CF:			**7684.997935**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0084.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**93.69**	
3.54	3.55	3.58	47006.42	714.035533			1
+ 3.54	3.56	3.58	36939.98	561.124593			1
3.62	3.64	3.66	79365.95	993.922098			2
3.68	3.69	3.72	482824.9	4111.137161			3
+ 3.68	3.71	3.72	204304.8	1739.605922			3
3.79	3.80	3.83	358975.5	2203.752891			4
+ 3.88	3.88	3.92	22438.32	227.800485			5
3.88	3.90	3.92	162338.2	1648.105594			5
4.02	4.04	4.06	1646376	8024.565575			6
Height Summation:			**2776886.97**				
Amount Avg CF:			**2949.253142**	Linear:			
Aroclor-1254					**6**	**77.53**	
4.34	4.35	4.38	629431.4	3644.709671			1
4.40	4.42	4.44	1647293	5495.262252			2
4.50	4.51	4.54	3022923	20848.55608			3
4.57	4.58	4.61	1038402	5591.329901			4
4.64	4.65	4.68	3610319	30570.637432			5
4.88	4.89	4.92	3867122	17481.05841			6
Height Summation:			**13815490.4**				
Amount Avg CF:			**13938.592291**	Linear:			
Aroclor-1260					**6**	**9.08**	
4.64	4.65	4.68	3610319	12901.102426			1
4.75	4.76	4.78	2725252	11201.610897			2
4.88	4.89	4.92	3867122	13945.651706			3
5.11	5.12	5.15	2000805	10996.892616			4
5.30	5.32	5.34	5309412	12517.451004			5
5.56	5.58	5.60	3393233	11881.823143			6
Height Summation:			**20906143**				
Amount Avg CF:			**12240.755299**	Linear:			
Aroclor-1262					**6**	**28.72**	
4.91	4.93	4.95	1548594	5896.66605			1
5.11	5.12	5.15	2000805	7257.703293			2
E 5.30	5.32	5.34	5309412	10320.813623			3
5.52	5.53	5.56	958902.1	4851.526348			4
5.56	5.58	5.60	3393233	9511.629383			5
5.94	5.96	5.98	1279632	6520.464985			6
Height Summation:			**14490578.1**				
Amount Avg CF:			**7393.133947**	Linear:			
Aroclor-1268					**6**	**121.63**	
5.52	5.53	5.56	958902.1	1556.128777			1
5.56	5.58	5.60	3393233	5409.384588			2
5.72	5.73	5.76	71010.06	132.254474			3
+ 5.79	5.80	5.82	24716.02	176.06699			4
5.79	5.82	5.82	31963.21	227.693058			4
5.94	5.96	5.98	1279632	5959.780003			5
6.14	6.16	6.18	288815.2	162.596356			6
Height Summation:			**6023555.57**				
Amount Avg CF:			**2241.306209**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229558** ACF DF50 04A09 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.38 g Total Volume: 500 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0084.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**134.63**	
5.96	5.98	5.99	4390544	5106.155493			1
+ 6.01	6.01	6.05	163734.2	222.275783			2
+ 6.01	6.03	6.05	31277.4	42.460332			2
6.01	6.04	6.05	373643.2	507.235719			2
+ 6.15	6.15	6.19	21336.13	31.435385			3
6.15	6.17	6.19	43901.9	64.682449			3
6.21	6.23	6.25	82134.07	452.355218			4
6.38	6.41	6.42	1699750	6346.936277			5
6.58	6.61	6.62	338005.8	162.796134			6

Height Summation: **6927978.97**
Amount Avg CF: **2106.693548** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 11:19:57
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0084.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2456.6473	476.8786		** 56.90	4	40	
Aroclor-1221			2456.6473	736.9942		27.87	3	40	
Aroclor-1232			2456.6473	592.4855		** 66.71	4	40	
Aroclor-1242			2456.6473	592.4855		** 57.27	4	40	
Aroclor-1248			2456.6473	476.8786		6.41	4	40	
Aroclor-1254			2456.6473	635.8381		9.77	4	40	
Aroclor-1260			2456.6473	563.5838		1.71	4	40	
Aroclor-1262			2456.6473	476.8786	E	3.87	4	40	
Aroclor-1268			2456.6473	476.8786		6.19	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:19:57 AM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0084.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.519		49005	71600
1.599		38776	77800
1.628		6650	3812
1.658		58222	58302
1.688		27802	31306
1.71		38536	50903
1.733		36734	55638
1.765		25249	21699
1.814		43107	59875
1.829		44965	59170
1.861		15001	8211
1.879		7416	3169
1.892		16881	7833
1.912		27395	18016
1.936		20387	20248
1.965		5530	4766
2.003		23568	14635
2.022		31127	25204
2.045		25791	20141
2.071		36687	26319
2.085		46719	49763
2.134		79737	110145
2.193		77058	168089
2.215		67040	65369
2.236		69353	103402
2.259		58110	66845
2.289		53069	61253
2.311		52775	36769
2.322		58452	48177
2.339		31245	26383
2.365		51985	85750
2.403		70830	91893
2.435		37232	22524
2.482		81152	182664
2.539		49856	107596
2.579		42802	73484
2.609		34748	41998
2.63		18810	10247
2.648		19087	11527
2.662		19614	18843
2.701		28924	24188
2.727		37202	36210
2.748		99273	64352
2.773		4105	1435
2.799		35099	56509
2.835		52836	45717
2.861		38379	32420
2.886		23460	11144
2.902		25362	15999
2.929		12379	9953
2.979		32030	30211
3.005		15415	6844
3.029	TCX	296591	201853

RT A	Compound A	Height A	Area A
3.059		4994	1838
3.08		20291	14550
3.109		32622	43636
3.154		9847	17314
3.181		20142	13457
3.197		14924	7054
3.221		17385	15199
3.241		23109	11206
3.259		10134	4681
3.286		77226	68221
3.31		10860	4269
3.353		91525	98007
3.378		26906	24464
3.405		8093	4803
3.432		10129	5611
3.458		20596	17072
3.481		15632	9971
3.504		89863	53928
3.521		68461	37509
3.573		20105	15604
3.591		9725	7566
3.62		103898	72835
3.648		14088	10180
3.672		13396	9253
3.695		40550	24898
3.73		21208	18549
3.748		20492	14140
3.793		55664	31483
3.805		148277	119647
3.845		149684	138363
3.884		1384	379
3.904		128252	117893
3.947		60705	42805
3.974		925498	652537
4.001		691896	492716
4.025		264439	158830
4.052		13308	7825
4.103		548524	395856
4.128		219472	149012
4.159		189169	139720
4.195		323785	317186
4.237		73355	61179
4.269		14426	9077
4.282		11628	5541
4.303		3104	1050
4.323		78773	56585
4.36		1868701	1336904
4.379		492385	272198
4.405		816095	656500
4.474		571950	492924
4.518		3041233	2797553
4.553		1018429	833131
4.594		89091	65309
4.618		138383	103322
4.661		786462	723726
4.714		619949	429981
4.73		317833	279043
4.777		3120317	2660670
4.825		1870244	2031743
4.863		524427	372804
4.903		4459079	4089900
4.952		212501	183607
4.995		1867598	1814446
5.026		49302	30629
5.053		864029	787729
5.105		4468658	3485013

RT A	Compound A	Height A	Area A
5.122		408314	209031
5.157		956202	837010
5.197		2841440	2842614
5.24		135995	88853
5.277		484932	591898
5.312		6444068	5829909
5.335		306934	139032
5.353		107799	47215
5.377		3045644	2591117
5.419		1826907	1705858
5.517		576293	468665
5.539		2992924	2438376
5.598		1635828	1421223
5.636		871017	828052
5.678		142215	139917
5.72		1104169	982083
5.749		72371	42031
5.776		8020978	7755723
5.982		4390545	4207317
6.015		163734	117565
6.028		31277	28661
6.036		373643	264570
6.149		21336	15108
6.17		43902	33990
6.227		82134	63823
6.253		761622	658447
6.317		10358	9872
6.379		8566	5763
6.408		1699750	1611294
6.452		88077	73897
6.48		13898	9600
6.609		338006	333908
6.685		2028	1557
6.721		1898	1408
6.755	DCB	168176	169679
6.793		5160	4079
6.828		4788	5172
6.916		1262	362
7.054		4305	8623
7.344		2124	1076
7.48		1360	308
7.609		1675	1410
7.667		1107	471
7.698		1062	1347
7.827		1230	1140
7.918		1260	489
7.981		1539	1702
8.094		811	920
8.237		2343	3205
8.303		1100	480
8.394		1240	672
8.511		978	482
8.578		1636	1130

LANCASTER LABORATORIES

Sample Number: 9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:19:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0084.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.584		4853	4843
1.64		8214	7957
1.689		6577	5832
1.716		6877	7334
1.757		12315	15714
1.788		8333	6433
1.827		14310	20437
1.849		14337	14835
1.883		12327	12659
1.911		18786	24887
1.951		16000	23699
1.994		16173	19641
2.02		14482	11113
2.042		21101	18721
2.076		12742	13283
2.101		4691	2227
2.125		16352	19933
2.168		11994	10415
2.191		13701	11484
2.226		21231	33936
2.289		13146	15340
2.312		9459	5566
2.334		7606	5567
2.354		8094	4305
2.417		5213	5290
2.436		3629	1877
2.492		66207	48069
2.538		5312	3861
2.574		4378	4768
2.59		8336	5056
2.616		8659	6148
2.668		16660	19169
2.697		6193	5950
2.747	TCX	177696	129401
2.799		90829	57465
2.838		9352	10254
2.861		5180	4357
2.892		1667	955
2.919		13485	11322
2.946		8371	5240
2.967		2841	1828
3.005		2623	1359
3.034		25552	12415
3.047		37651	16576
3.088		4614	2594
3.145		10000	14430
3.213		4325	4334
3.244		41174	21181
3.255		19939	7987
3.318		11050	9896
3.367		82186	65896
3.404		26477	16132
3.428		2476	1514
3.45		19877	10881

3.465		9638	4871
3.527		145123	149686
3.547		47006	22940
3.561		36940	17184
3.637		79366	58046
3.67		531468	358370
3.694		482825	285390
3.713		204305	112377
3.777		3079	1287
3.803		358976	260534
3.828		132062	77848
3.851		119732	92910
3.882		22438	11727
3.899		162338	114483
3.943		47373	42939
3.99		48159	50192
4.015		94901	57760
4.038		1646376	1182544
4.064		339996	210466
4.085		141045	75825
4.104		306571	207626
4.141		1714905	1341171
4.175		607302	433072
4.195		227439	130285
4.216		50027	29320
4.258		105789	85058
4.294		460349	456015
4.354		629431	526964
4.399		169873	145235
4.417		1647293	1990976
4.458		474948	486071
4.512		3022923	2674718
4.551		145605	138933
4.585		1038402	766774
4.61		677905	525740
4.654		3610319	3296944
4.763		2725252	2851900
4.816		649452	641493
4.858		804596	735145
4.895		3867122	3426356
4.929		1548594	1246369
4.969		1123229	959486
5.034		14027	14640
5.073		365811	443720
5.125		2000805	1690814
5.15		361063	234732
5.2		1172584	1112490
5.236		544881	431513
5.263		359014	305713
5.297		146076	93236
5.318		5309413	4569189
5.36		87514	63474
5.394		165673	146990
5.511		37565	24052
5.534		958902	852317
5.579		3393233	3811541
5.734		71010	64822
5.778		90320	75442
5.804		24716	16031
5.825		31963	19932
5.853		530019	487872
5.932		4576	3589
5.957		1279632	1151954
5.989		68707	49064
6.158		288815	282104
6.319	DCB	154124	145652
6.354		5395	5710

6.494	3393	2020
6.527	2860	3578
6.693	1906	2334
6.797	4028	4934
6.907	1607	6029
7.41	1183	4051
7.9	1417	1967
8.635	3098	5028

9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082

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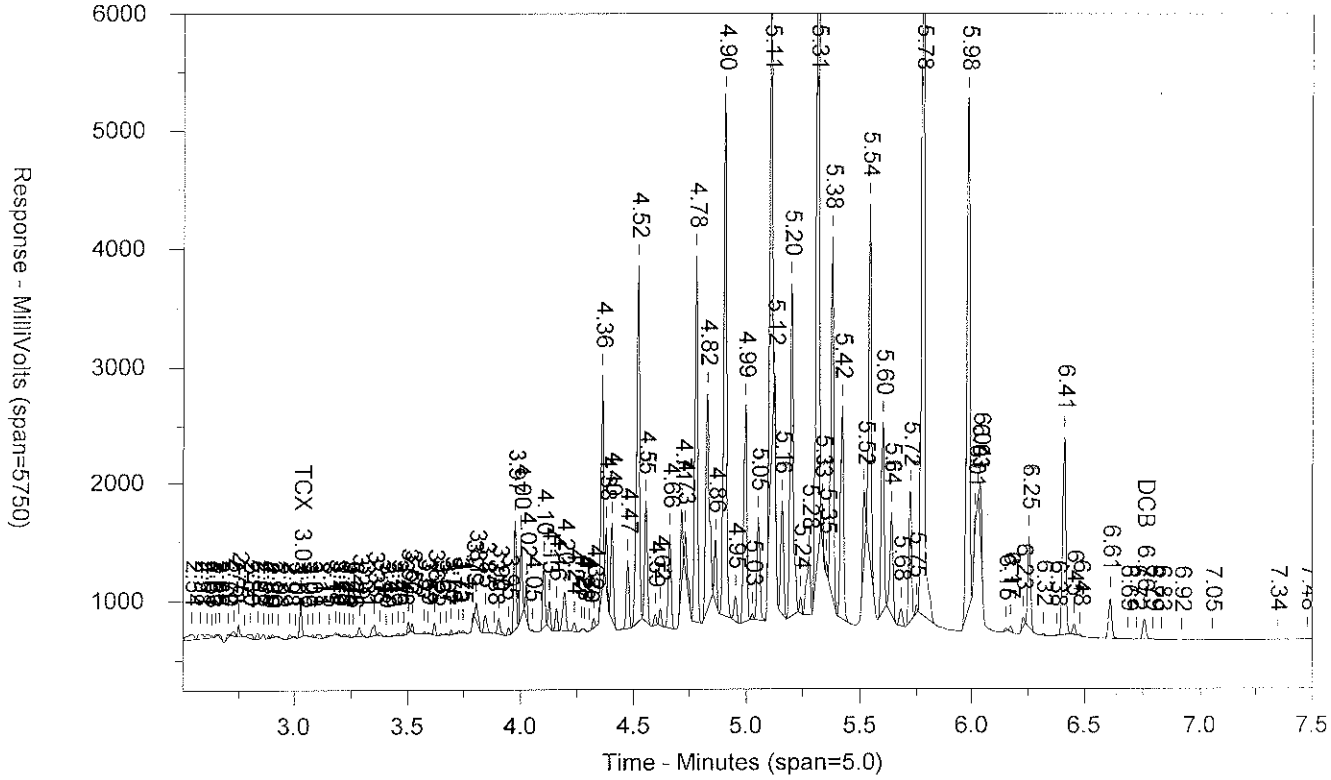

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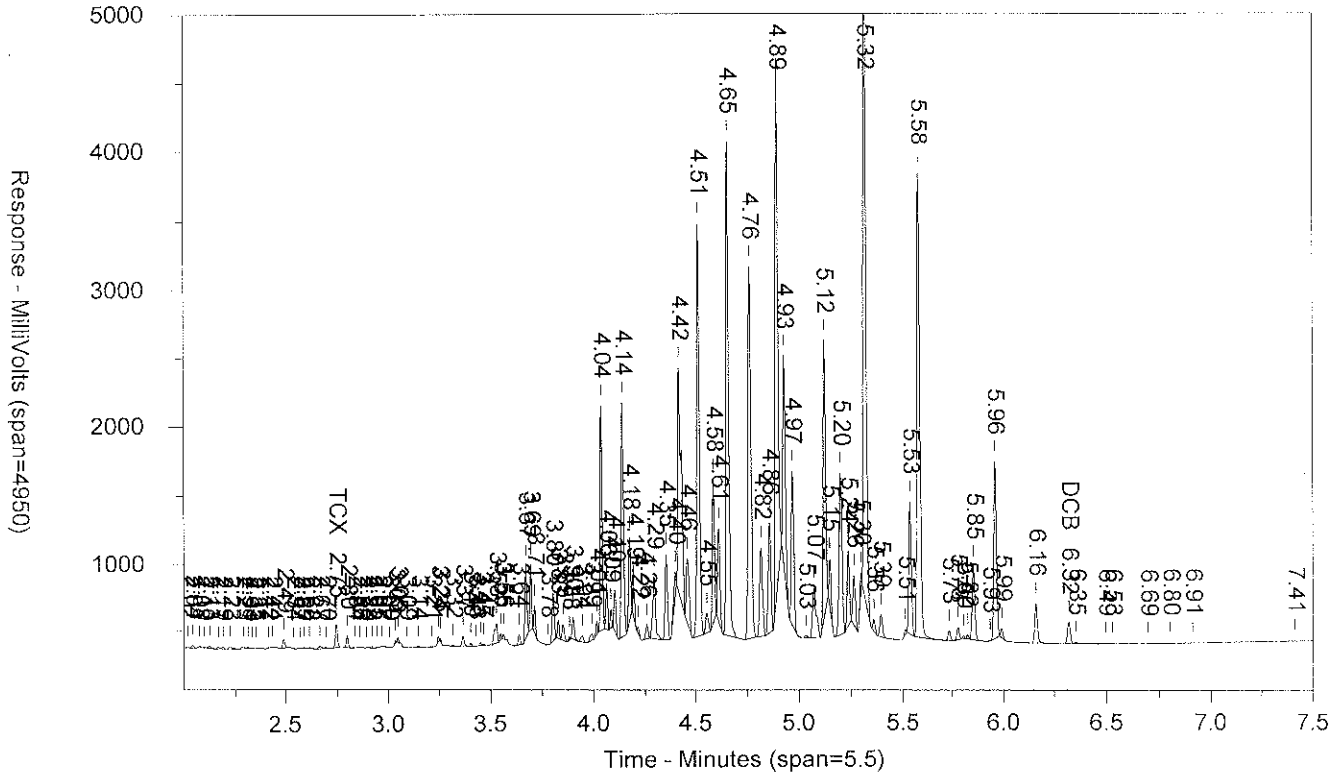

LANCASTER LABORATORIES

Sample Number: 9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:19:57 AM
Sample Weight: 10.38
Instrument ID: CP7-19843A
Dilution Factor: 500
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	296591	22.5	TCX	2.747	177696	28.198	TCX
6.755	168176	31.74	DCB	6.319	154124	32.175	DCB

Files:
Area File: 07PCBS17292003.0084.RAW
Area File: 07PCBS17292003B.0084.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 11:28:39 AM
File Reported On: 10/24/2017 at 11:28:58 AM

9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082

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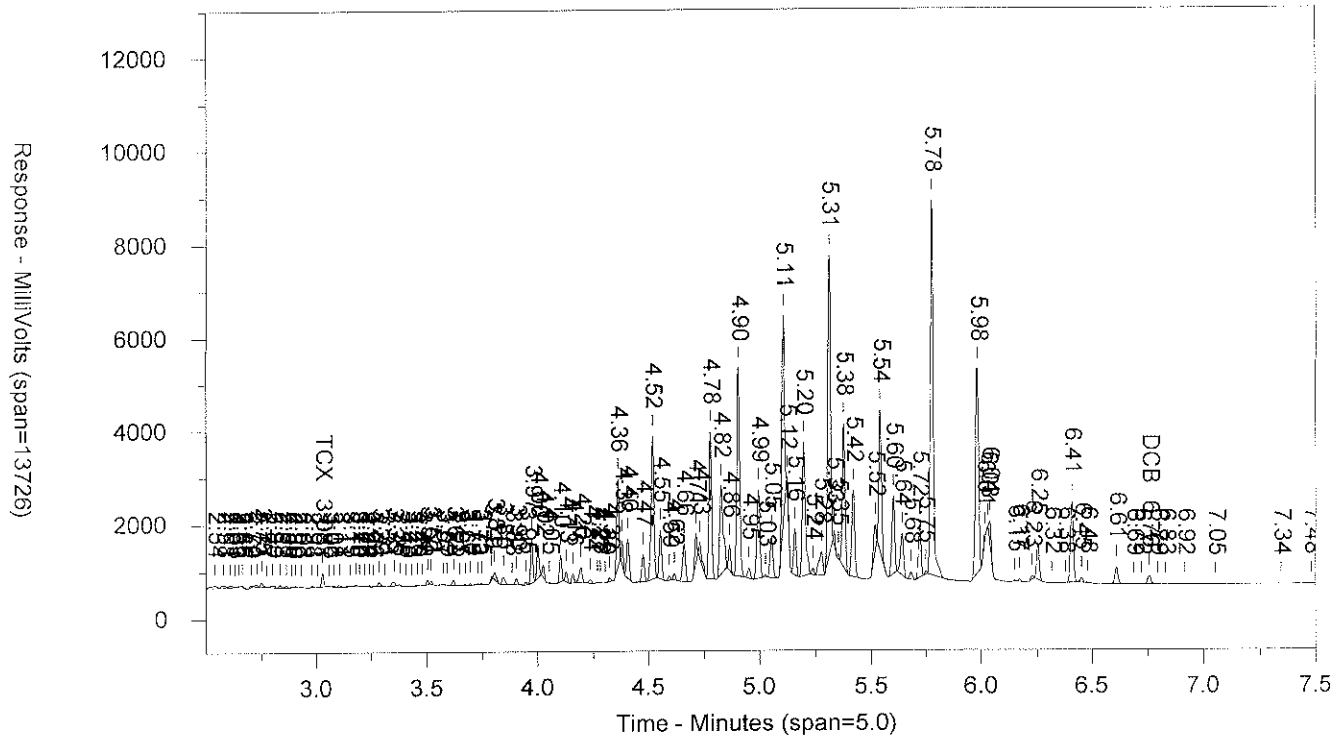

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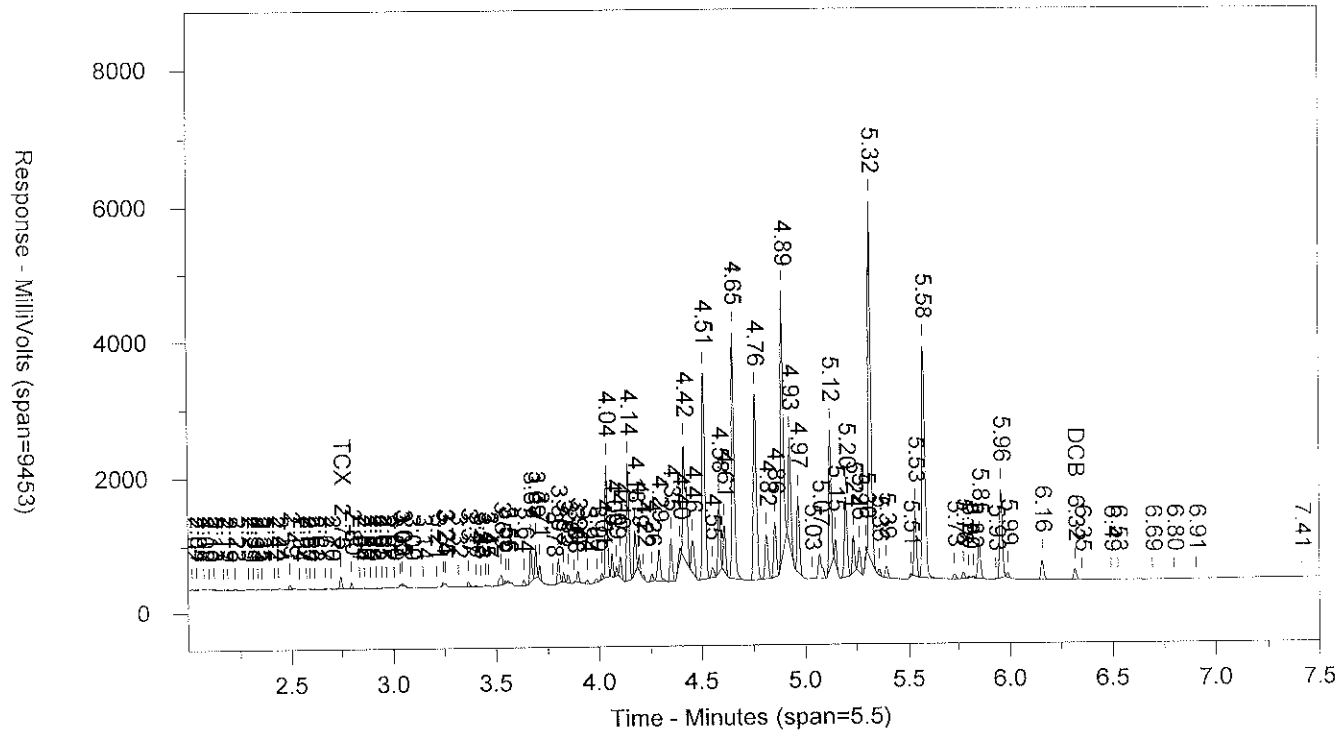

9229558 ACF DF50 AC04A09 T 172860014A 10225 SW-846 8082

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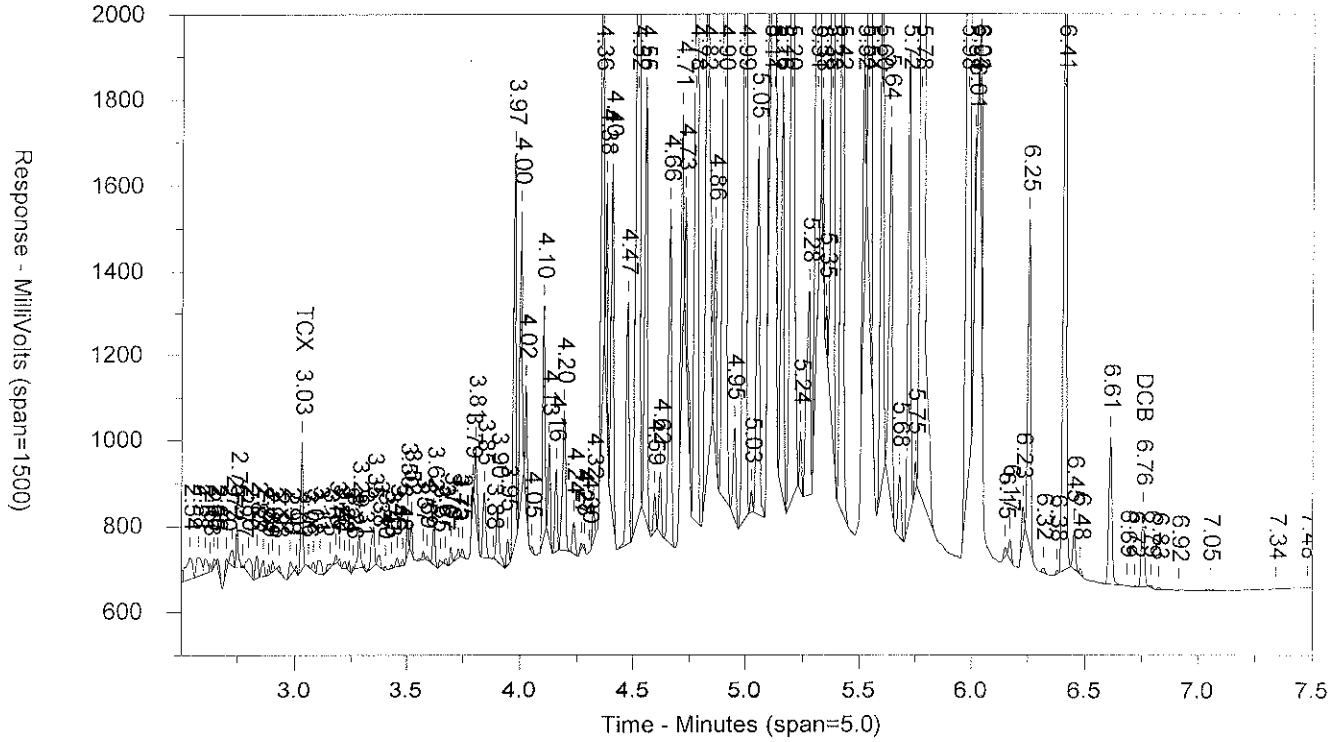

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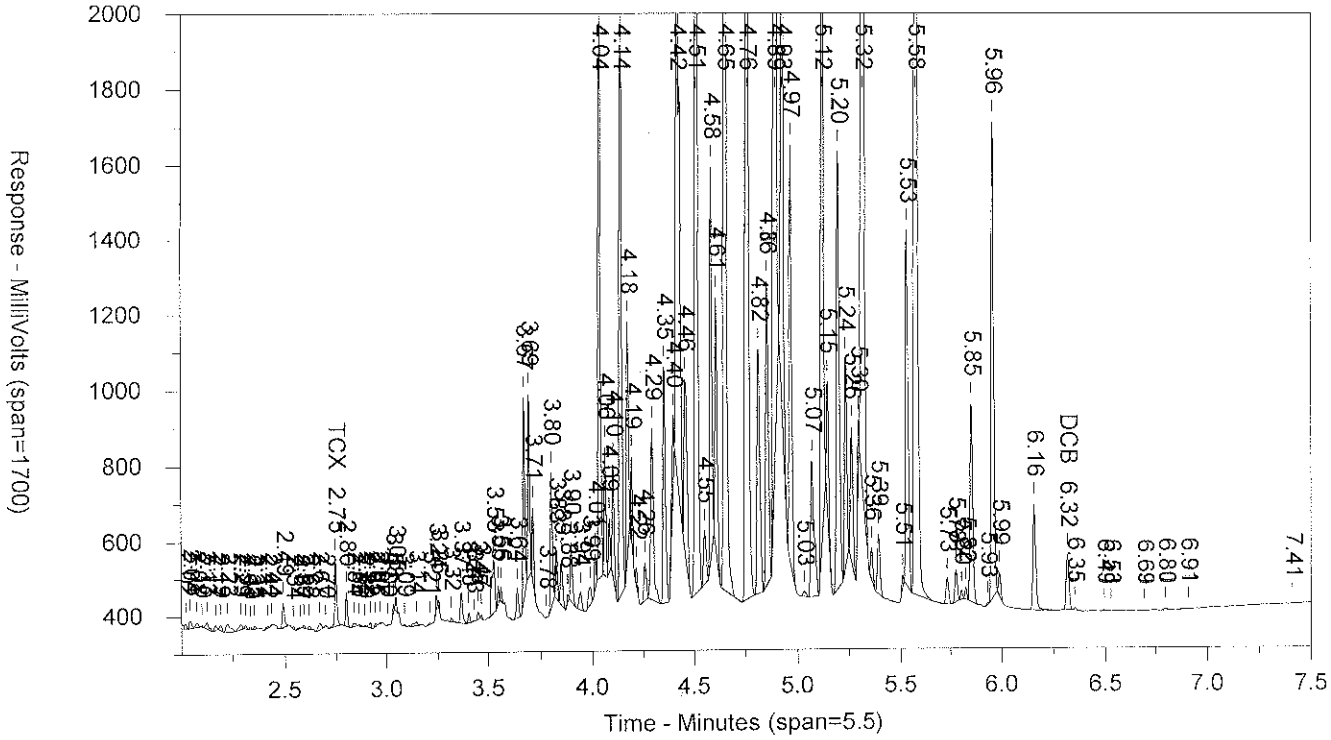

eurofins
Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229559 ACF DF20 04A10 Sample ID:AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 11:31:31
Instrument	19843A
Result file	07PCBS17292003.0085.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 80% (61 - 152) Conc: 24.12937
%SSR(DCB) 105% (48 - 164) Conc: 27.89352

Analysis Report (B)

Injected on	Oct 24, 2017 11:31:31
Instrument	19843B
Result file	07PCBS17292003B.0085.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 88% (61 - 152) Conc: 26.50621
%SSR(DCB) 95% (48 - 164) Conc: 25.34445

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	780610	24.12937
Decachlorobiphenyl	6.72	6.75	6.78	362720	27.89352

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	409940	26.50621
Decachlorobiphenyl	6.29	6.32	6.35	297952	25.34445

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	26.50621				9.39	
☑	Tetrachloro-m-xylene-D1	A	24.12937					
☑	Tetrachloro-m-xylene-D2	B	26.50621					
☐	Decachlorobiphenyl	A	27.89352				9.58	
☑	Decachlorobiphenyl-D1	A	27.89352					
☑	Decachlorobiphenyl-D2	B	25.34445					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**16.07**	
4.88	4.90	4.92	4381624	4841.016408			1
5.29	5.31	5.33	8077229	6791.061863			2
5.36	5.38	5.40	2834636	4708.799974			3
5.52	5.54	5.56	2757686	4427.626435			4
5.76	5.78	5.80	8160808	5507.718768			5
5.96	5.98	6.00	4849992	5324.85888			6

Height summation: **31061975**
Concentration CF: **5266.847055** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**21.91**	
4.64	4.66	4.68	3579158	5211.290432			1
4.75	4.76	4.78	2670338	4472.220547			2
4.88	4.90	4.92	4909446	7213.841391			3
5.11	5.13	5.15	1776787	3979.089879			4
5.30	5.32	5.34	5174180	4970.432346			5
5.56	5.58	5.60	3348038	4776.864708			6

Height summation: **21457947**
Concentration CF: **5103.956551** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<1000.9814	<194.3081	D1		4	
☑	PCB-1221			<1000.9814	<300.2944	D1		3	
☑	PCB-1232			<1000.9814	<241.4132	D1		4	
☑	PCB-1242			<1000.9814	<241.4132	D1		4	
☑	PCB-1248			<1000.9814	<194.3081	D1		4	
☑	PCB-1254			<1000.9814	<259.0775	D1		4	
☑	PCB-1260	A	5266.847055	1000.9814	229.6369	D1	3.14	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:18

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229559** ACF DF20 04A10 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0085.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 80% (61-152) Conc.: 24.12937
%SSR(DCB) : 105% (48-164) Conc.: 27.89352

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	109.82	
3.27	3.29	3.31	13312.9	26.090298			1
+ 3.48	3.49	3.52	4016.024	7.573525			2
3.48	3.51	3.52	13552.9	25.558419			2
+ 3.48	3.52	3.52	11445.85	21.584888			2
3.60	3.62	3.64	10711.04	17.517058			3
3.82	3.85	3.86	73476.9	103.175985			4
3.88	3.90	3.92	33975.08	57.051939			5
+ 4.08	4.08	4.12	2079.313	4.702219			6
4.08	4.10	4.12	107400.1	242.877698			6
Height Summation:			**252428.92**				
Amount Avg CF:			**78.711899**	Linear:			
Aroclor-1221					2	79.84	
3.22	3.23	3.26	13276.11	58.941797			2
3.27	3.29	3.31	13312.9	16.403944			3
Height Summation:			**26589.01**				
Amount Avg CF:			**37.67287**	Linear:			
Aroclor-1232					6	124.50	
3.26	3.29	3.30	13312.9	21.417266			1
+ 3.48	3.49	3.52	4016.024	16.320171			2
3.48	3.51	3.52	13552.9	55.075778			2
3.60	3.62	3.64	10711.04	37.383439			3
3.82	3.85	3.86	73476.9	209.617093			4
3.88	3.90	3.92	33975.08	128.641385			5
+ 4.08	4.08	4.12	2079.313	11.490271			6
4.08	4.10	4.12	107400.1	593.492303			6
Height Summation:			**252428.92**				
Amount Avg CF:			**174.271211**	Linear:			
Aroclor-1242					6	112.54	
3.27	3.29	3.31	13312.9	30.453316			1
+ 3.48	3.49	3.52	4016.024	9.127171			2
3.48	3.51	3.52	13552.9	30.801518			2
+ 3.48	3.52	3.52	11445.85	26.01285			2
3.60	3.62	3.64	10711.04	21.027656			3
3.82	3.85	3.86	73476.9	119.711683			4
3.88	3.90	3.92	33975.08	73.849784			5
+ 4.08	4.08	4.12	2079.313	5.945297			6
4.08	4.10	4.12	107400.1	307.084826			6
Height Summation:			**252428.92**				
Amount Avg CF:			**97.154797**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0085.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 88% (61-152) Conc.: 26.50621
%SSR(DCB) : 95% (48-164) Conc.: 25.34445

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	117.32	
3.02	3.05	3.06	18775.46	68.785627			1
3.35	3.37	3.39	20301.64	61.364569			2
3.54	3.55	3.58	28236.14	85.575111			3
+ 3.54	3.58	3.58	22618.28	68.549094			3
3.62	3.64	3.66	22630.92	65.946111			4
3.68	3.70	3.72	169115.5	653.040279			5
+ 3.68	3.71	3.72	132073.9	510.003971			5
3.79	3.80	3.83	77868.24	270.573878			6
Height Summation:			**336927.9**				
Amount Avg CF:			**200.880929**	Linear:			
Aroclor-1221					3	71.56	
2.90	2.91	2.94	3694.611	23.067082			1
2.96	2.97	3.00	9529.265	102.934539			2
3.02	3.05	3.06	18775.46	46.251507			3
Height Summation:			**31999.336**				
Amount Avg CF:			**57.41771**	Linear:			
Aroclor-1232					6	134.36	
3.02	3.05	3.06	18775.46	58.479057			1
3.35	3.37	3.39	20301.64	131.933662			2
3.54	3.55	3.58	28236.14	179.548947			3
+ 3.54	3.58	3.58	22618.28	143.825904			3
3.62	3.64	3.66	22630.92	151.189731			4
3.68	3.70	3.72	169115.5	1767.505198			5
+ 3.68	3.71	3.72	132073.9	1380.366109			5
3.79	3.80	3.83	77868.24	665.80157			6
Height Summation:			**336927.9**				
Amount Avg CF:			**492.409694**	Linear:			
Aroclor-1242					6	122.27	
3.02	3.05	3.06	18775.46	79.957599			1
3.35	3.37	3.39	20301.64	72.577028			2
3.54	3.55	3.58	28236.14	97.208177			3
+ 3.54	3.58	3.58	22618.28	77.867646			3
3.62	3.64	3.66	22630.92	81.334203			4
3.68	3.70	3.72	169115.5	841.640736			5
+ 3.68	3.71	3.72	132073.9	657.295011			5
3.79	3.80	3.83	77868.24	329.52153			6
Height Summation:			**336927.9**				
Amount Avg CF:			**250.373212**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229559** ACF DF20 04A10 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0085.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**125.92**	
3.82	3.85	3.86	73476.9	188.059972			1
3.88	3.90	3.92	33975.08	104.050676			2
3.95	3.97	3.99	219896	395.072769			3
+ 4.08	4.08	4.12	2079.313	3.338278			4
4.08	4.10	4.12	107400.1	172.427823			4
4.17	4.20	4.21	124298.4	239.340024			5
4.36	4.36	4.40	784189.4	1571.659405			6
+ 4.36	4.38	4.40	83917.77	168.186604			6
Height Summation:			**1343235.88**				
Amount Avg CF:			**445.101778**	Linear:			
Aroclor-1254					**6**	**90.62**	
+ 4.69	4.71	4.73	273897.6	449.58261			1
4.69	4.73	4.73	416924.5	684.350666			1
4.76	4.78	4.80	3200079	2649.523944			2
+ 4.88	4.88	4.92	18067.55	49.127424			3
4.88	4.90	4.92	4381624	11914.061379			3
4.97	5.00	5.01	1253730	1591.092397			4
5.17	5.20	5.21	2581502	4190.059019			5
5.29	5.31	5.33	8077229	10271.459011			6
Height Summation:			**19911088.5**				
Amount Avg CF:			**5216.757736**	Linear:			
Aroclor-1260					**6**	**16.07**	
+ 4.88	4.88	4.92	18067.55	19.961847			1
4.88	4.90	4.92	4381624	4841.016408			1
5.29	5.31	5.33	8077229	6791.061863			2
5.36	5.38	5.40	2834636	4708.799974			3
+ 5.52	5.52	5.56	918187.7	1474.204145			4
5.52	5.54	5.56	2757686	4427.626435			4
5.76	5.78	5.80	8160808	5507.718768			5
5.96	5.98	6.00	4849992	5324.85888			6
Height Summation:			**31061975**				
Amount Avg CF:			**5266.847055**	Linear:			
Aroclor-1262					**6**	**37.64**	
+ 5.35	5.35	5.39	169623.5	174.286678			1
5.35	5.38	5.39	2834636	2912.563948			1
+ 5.52	5.52	5.56	918187.7	1096.630896			2
5.52	5.54	5.56	2757686	3293.6225			2
E 5.75	5.78	5.79	8160808	4673.121701			3
E 5.96	5.98	6.00	4849992	4280.277937			4
+ 6.01	6.02	6.05	189200.1	353.870196			5
6.01	6.04	6.05	661047.6	1236.389641			5
6.38	6.41	6.42	1708984	2933.100877			6
Height Summation:			**20973153.6**				
Amount Avg CF:			**3221.512767**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0085.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**98.16**	
3.54	3.55	3.58	28236.14	174.763661			1
+ 3.54	3.58	3.58	22618.28	139.992698			1
3.62	3.64	3.66	22630.92	115.479129			2
3.68	3.70	3.72	169115.5	586.730794			3
+ 3.68	3.71	3.72	132073.9	458.218343			3
3.79	3.80	3.83	77868.24	194.778764			4
+ 3.88	3.88	3.92	31035.75	128.383648			5
3.88	3.90	3.92	48561.68	200.882068			5
4.02	4.04	4.06	563563.3	1119.227489			6
Height Summation:			**909975.78**				
Amount Avg CF:			**398.643651**	Linear:			
Aroclor-1254					**6**	**85.88**	
4.34	4.36	4.38	373719.3	881.74544			1
+ 4.40	4.40	4.44	157982	214.737721			2
4.40	4.42	4.44	1672550	2273.420861			2
4.50	4.51	4.54	2868506	8060.979574			3
4.57	4.59	4.61	520090.3	1141.067974			4
4.64	4.66	4.68	3579158	12348.748587			5
4.88	4.90	4.92	4909446	9042.645362			6
Height Summation:			**13923469.6**				
Amount Avg CF:			**5624.767966**	Linear:			
Aroclor-1260					**6**	**21.91**	
4.64	4.66	4.68	3579158	5211.290432			1
4.75	4.76	4.78	2670338	4472.220547			2
4.88	4.90	4.92	4909446	7213.841391			3
5.11	5.13	5.15	1776787	3979.089879			4
5.30	5.32	5.34	5174180	4970.432346			5
5.56	5.58	5.60	3348038	4776.864708			6
Height Summation:			**21457947**				
Amount Avg CF:			**5103.956551**	Linear:			
Aroclor-1262					**6**	**36.86**	
4.91	4.93	4.95	1225080	1900.713114			1
5.11	5.13	5.15	1776787	2626.110368			2
E 5.30	5.32	5.34	5174180	4098.191066			3
5.52	5.54	5.56	790644.2	1629.927829			4
5.56	5.58	5.60	3348038	3823.972649			5
5.94	5.96	5.98	1142107	2371.283226			6
Height Summation:			**13456836.2**				
Amount Avg CF:			**2741.699709**	Linear:			
Aroclor-1268					**6**	**124.96**	
5.52	5.54	5.56	790644.2	522.799923			1
5.56	5.58	5.60	3348038	2174.741874			2
5.72	5.74	5.76	86012.54	65.273278			3
5.79	5.81	5.82	16018.19	46.493903			4
5.94	5.96	5.98	1142107	2167.380146			5
6.14	6.16	6.18	238710.2	54.757663			6
Height Summation:			**5621530.13**				
Amount Avg CF:			**838.574464**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229559** ACF DF20 04A10 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.19 g Total Volume: 200 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0085.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**127.49**	
5.96	5.98	5.99	4849992	2298.263845			1
+ 6.01	6.02	6.05	189200.1	104.654346			2
6.01	6.04	6.05	661047.6	365.652578			2
6.15	6.15	6.19	55283.09	33.187811			3
+ 6.15	6.17	6.19	36238.34	21.754775			3
6.21	6.23	6.25	100734.9	226.05774			4
6.38	6.41	6.42	1708984	2600.161035			5
6.58	6.61	6.62	304619.8	59.780731			6

Height Summation: **7680661.39**
Amount Avg CF: **930.51729** Linear:

Analysis Report (B)

Injected on : Oct 24, 2017 11:31:31
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0085.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1000.9815	194.3082		** 87.39	4	40	
Aroclor-1221			1000.9815	300.2944		** 41.53	3	40	
Aroclor-1232			1000.9815	241.4132		** 95.44	4	40	
Aroclor-1242			1000.9815	241.4132		** 88.18	4	40	
Aroclor-1248			1000.9815	194.3082		11.01	4	40	
Aroclor-1254			1000.9815	259.0776		7.53	4	40	
Aroclor-1260			1000.9815	229.6369		3.14	4	40	
Aroclor-1262			1000.9815	194.3082	E	16.09	4	40	
Aroclor-1268			1000.9815	194.3082		10.39	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:31:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0085.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.659		115198	208021
1.708		23029	28452
1.731		19238	23642
1.767		52745	65590
1.809		6062	4946
1.911		2896	1288
1.932		2941	1063
2.001		3186	1485
2.043		4643	3595
2.069		9988	14901
2.132		28422	66489
2.186		25842	51448
2.225		34952	32245
2.293		62965	42086
2.358		5336	4466
2.41		48036	42892
2.436		7236	3978
2.465		14406	11559
2.481		12141	10669
2.535		2788	1076
2.584		11663	18759
2.608		4101	2856
2.649		4094	2392
2.728		10129	16798
2.749		46181	31458
2.8		5169	6043
2.838		10765	11028
2.866		6019	4484
2.901		5407	3116
2.984		8826	8264
3.002		4393	2705
3.03	TCX	780610	526977
3.083		6290	3068
3.102		3870	2210
3.118		10436	6356
3.145		3654	2408
3.231		13276	20375
3.287		13313	18199
3.338		46497	25963
3.354		58847	30710
3.408		2600	893
3.432		5362	3602
3.46		6968	7378
3.485		4016	2791
3.506		13553	8084
3.522		11446	5581
3.575		13560	10198
3.62		10711	6955
3.648		3487	2535
3.671		6762	4455
3.696		28808	16810
3.735		3115	4861
3.815		74940	101657

RT A	Compound A	Height A	Area A
3.849		73477	77595
3.904		33975	25354
3.928		1380	399
3.947		20361	15641
3.975		219896	158080
4.003		177307	131197
4.025		156994	89381
4.084		2079	852
4.104		107400	75207
4.129		70701	50267
4.161		111325	82586
4.196		124298	149204
4.241		50554	40810
4.269		48965	46784
4.322		53288	37288
4.361		784189	573528
4.381		83918	41629
4.407		517358	446390
4.449		1475	688
4.475		467049	391976
4.519		1256995	1276375
4.554		779044	644813
4.596		151856	112818
4.619		83152	58725
4.661		488896	468240
4.715		273898	184523
4.731		416925	404517
4.778		3200079	2780383
4.826		1243953	946062
4.84		155433	84485
4.865		364691	234787
4.884		18068	8782
4.905		4381624	3834284
4.953		169823	151966
4.995		1253730	1258521
5.028		56641	36176
5.055		1110707	996053
5.107		4288767	3434449
5.123		587693	337918
5.159		834999	718087
5.199		2581502	2614710
5.242		308623	213075
5.279		645446	804374
5.314		8077229	7428729
5.336		314886	163393
5.355		169624	78410
5.378		2834637	2372979
5.421		1848851	1694722
5.52		918188	694929
5.541		2757686	2090043
5.599		1658205	1417002
5.637		935621	851418
5.679		125717	112638
5.721		1032359	912903
5.749		166695	116566
5.778		8160808	7813428
5.864		20093	16455
5.92		12245	7850
5.939		4507	2938
5.983		4849992	4499758
6.015		189200	151261
6.036		661048	686146
6.15		55283	42629
6.171		36238	26067
6.199		6690	3958
6.227		100735	80979

RT A	Compound A	Height A	Area A
6.254		772213	713390
6.317		25884	24309
6.354		3162	1753
6.379		26166	17842
6.409		1708984	1590970
6.454		92742	82258
6.48		5129	2729
6.528		3000	4891
6.609		304620	287294
6.642		15780	13323
6.725		7075	5212
6.755	DCB	362720	351196
6.792		17861	15001
6.829		3995	2547
6.928		4732	6897
6.963		2087	1387
7.025		6465	6000
7.1		1455	389
7.209		1299	347
7.297		7078	6055
7.342		1107	784
7.398		1236	422
7.475		1774	1495
7.56		3665	4373
7.618		2022	3499
7.688		10665	15646
7.741		1387	416
7.779		1526	1371
7.831		3340	4939
7.892		1372	555
7.986		3374	4174
8.026		2247	1674
8.102		1483	511
8.173		1480	1356
8.199		2240	445
8.235		1847	955
8.413		1915	1932
8.467		1726	1910
8.508		1463	786
8.578		1616	1971

LANCASTER LABORATORIES

Sample Number: 9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:31:31 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0085.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.599		27253	56721
1.758		5061	6308
1.787		3010	2611
1.822		4410	6400
1.85		4156	6035
1.879		4012	3795
1.91		6793	7926
1.991		16326	17773
2.04		26489	20287
2.077		30610	25272
2.125		9552	14526
2.164		3262	2680
2.221		6339	11345
2.278		6697	7149
2.336		3037	1854
2.354		3744	1932
2.437		4493	4707
2.492		24489	23290
2.565		2788	2984
2.59		2288	1752
2.665		4450	4967
2.747	TCX	409940	294787
2.835		5126	4697
2.914		3695	2487
2.968		9529	13014
3.048		18775	8921
3.058		26438	11636
3.146		2265	3074
3.173		2414	2137
3.253		9432	14724
3.294		1340	773
3.318		10794	12564
3.367		20302	21022
3.405		16842	13508
3.466		5501	7133
3.528		26363	18025
3.548		28236	16163
3.579		22618	13233
3.639		22631	20162
3.672		142091	96675
3.696		169116	100841
3.714		132074	74331
3.804		77868	57677
3.83		44543	25829
3.852		77676	62118
3.884		31036	17443
3.9		48562	33979
3.94		42016	34727
3.986		42103	40631
4.017		12149	7703
4.039		563563	434042
4.066		92243	54450
4.087		193898	116733
4.105		234888	154424

4.143		851054	677979
4.176		472423	334518
4.196		109242	60460
4.218		98675	65995
4.261		70113	61527
4.295		235705	215068
4.317		44884	43767
4.355		373719	313789
4.4		157982	140598
4.419		1672550	1918715
4.459		475362	466233
4.514		2868506	2581814
4.553		129533	140788
4.586		520090	380009
4.611		859520	691883
4.655		3579159	3207304
4.713		54320	42635
4.764		2670339	2797680
4.818		630407	601070
4.859		891173	857209
4.897		4909446	4347661
4.931		1225080	967505
4.971		1044879	864990
5.035		32104	41637
5.075		196336	143003
5.089		61569	35468
5.127		1776787	1449276
5.151		668244	484015
5.202		1165363	1089885
5.237		524169	431240
5.265		350884	301404
5.299		134520	87932
5.32		5174181	4417958
5.362		83905	59912
5.395		140662	124186
5.438		3112	1926
5.457		14154	10953
5.492		7446	4871
5.513		28133	16292
5.536		790644	725813
5.581		3348038	3756528
5.735		86013	79203
5.779		103810	94066
5.805		16018	9240
5.826		74762	53273
5.854		481366	430832
5.894		7012	6734
5.933		13226	8184
5.959		1142107	1041525
5.991		65571	47188
6.16		238710	231963
6.32	DCB	297952	292875
6.355		13807	13139
6.408		1740	1797
6.494		1826	1457
6.53		3402	4859
6.662		1875	1250
6.695		3101	3381
6.765		3367	5577
6.796		7380	7451
6.948		2054	13071
7.015		1282	2166
7.062		10645	13219
7.127		2091	3489
7.262		2461	2829
7.329		2412	4932
7.427		2674	3157

7.63	1796	5593
7.726	1347	1351
7.839	4851	8344
8.056	1592	2116
8.334	2881	4495
8.513	15679	33129

9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082

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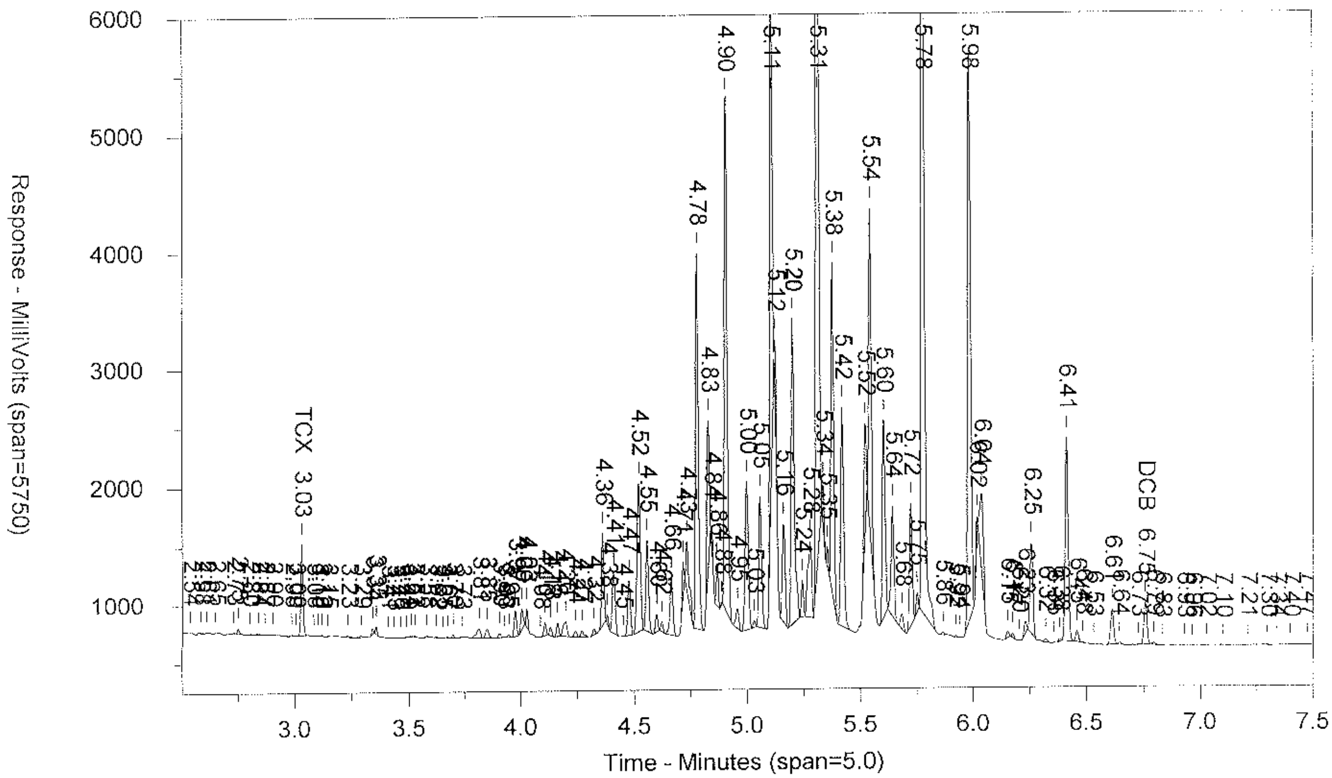

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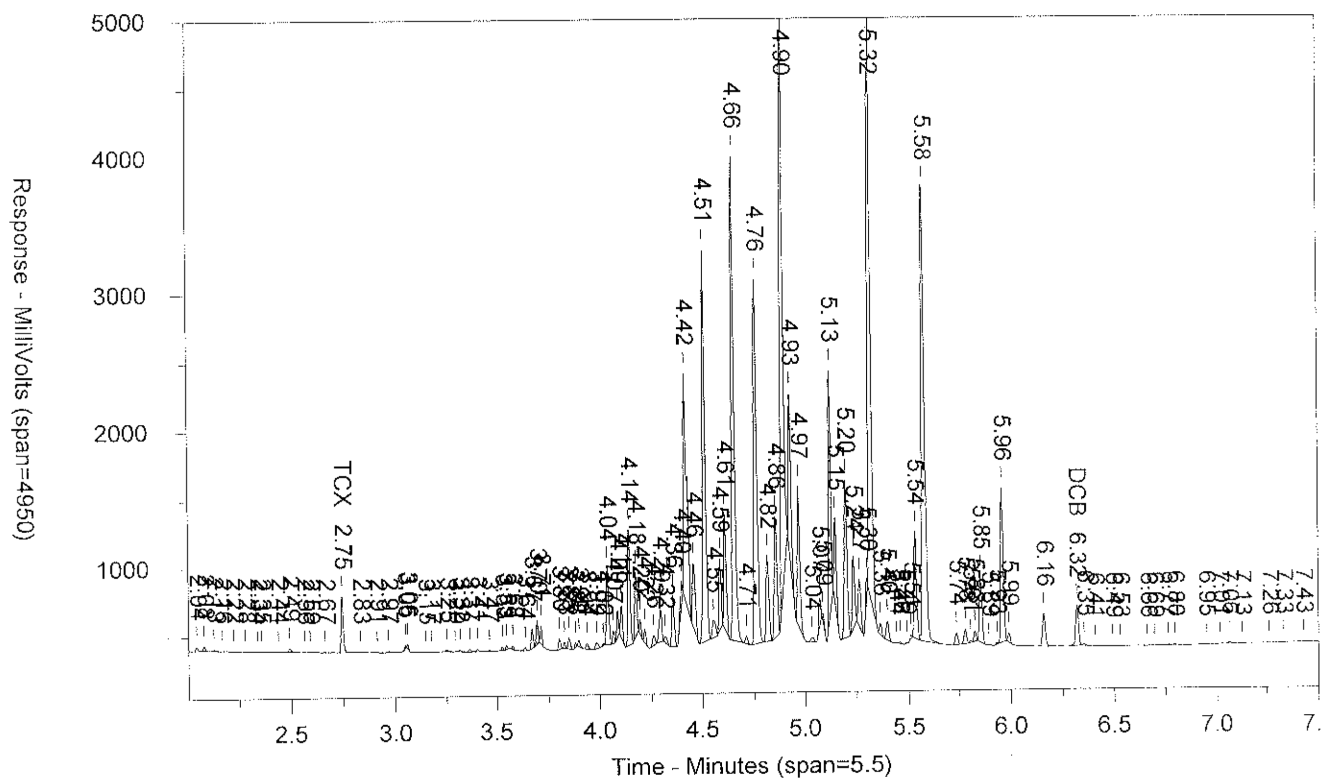

LANCASTER LABORATORIES

Sample Number: 9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:31:31 AM
Sample Weight: 10.19
Instrument ID: CP7-19843A
Dilution Factor: 200
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	780610	24.129	TCX	2.747	409940	26.506	TCX
6.755	362720	27.894	DCB	6.32	297952	25.344	DCB

Files:
Area File: 07PCBS17292003.0085.RAW
Area File: 07PCBS17292003B.0085.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 11:40:12 AM
File Reported On: 10/24/2017 at 11:40:34 AM

9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082

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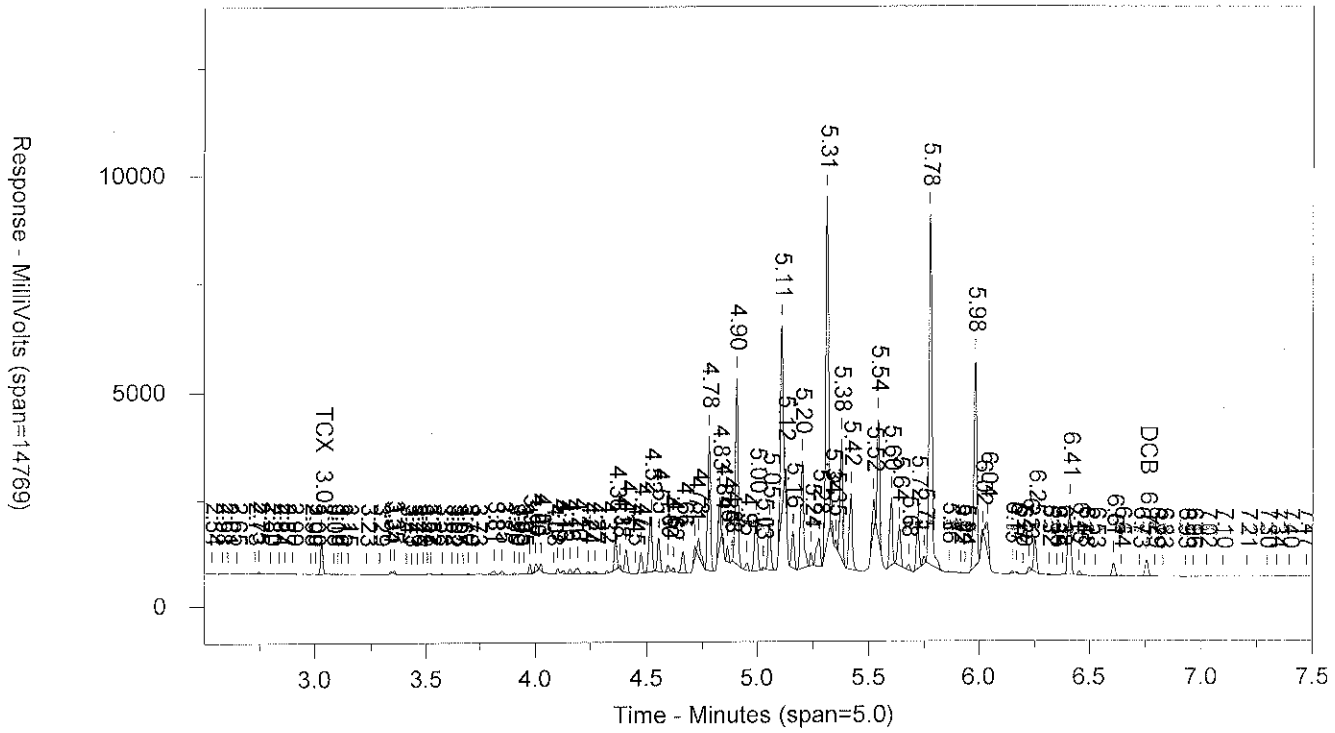

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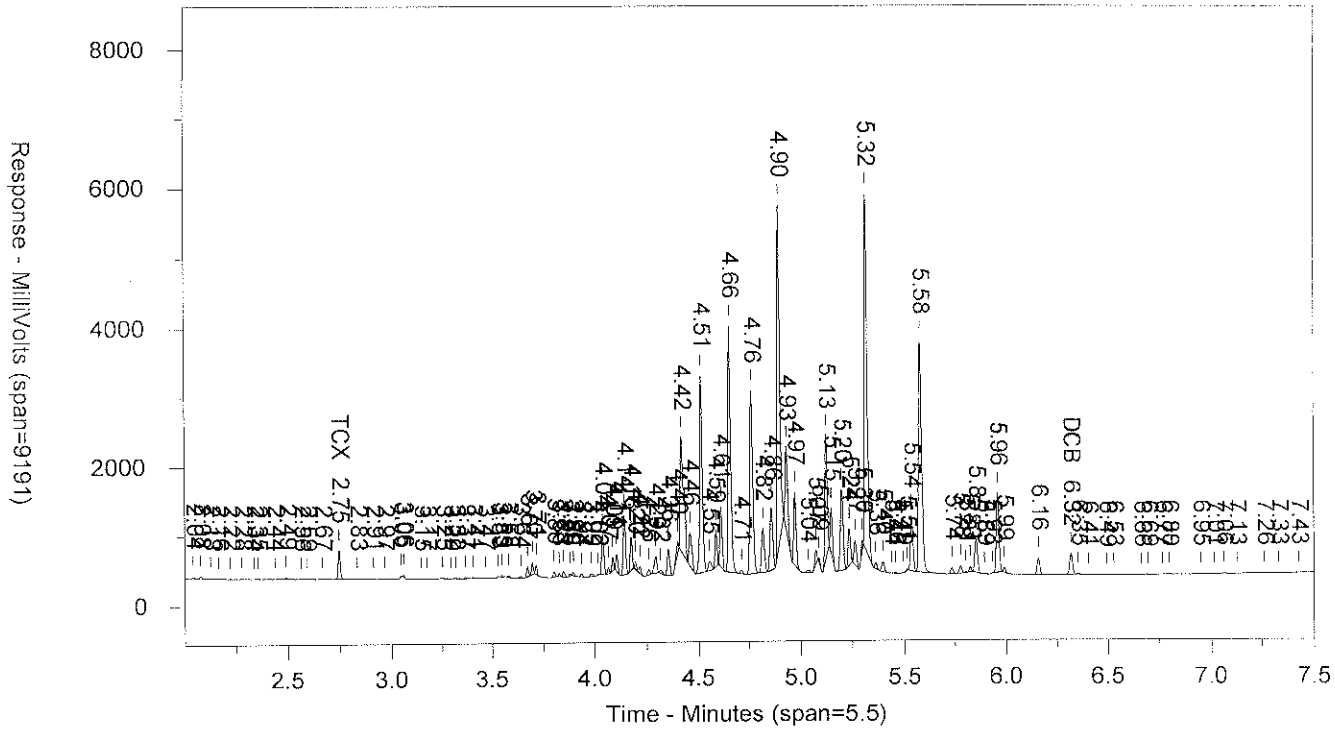

9229559 ACF DF20 AC04A10 T 172860014A 10225 SW-846 8082

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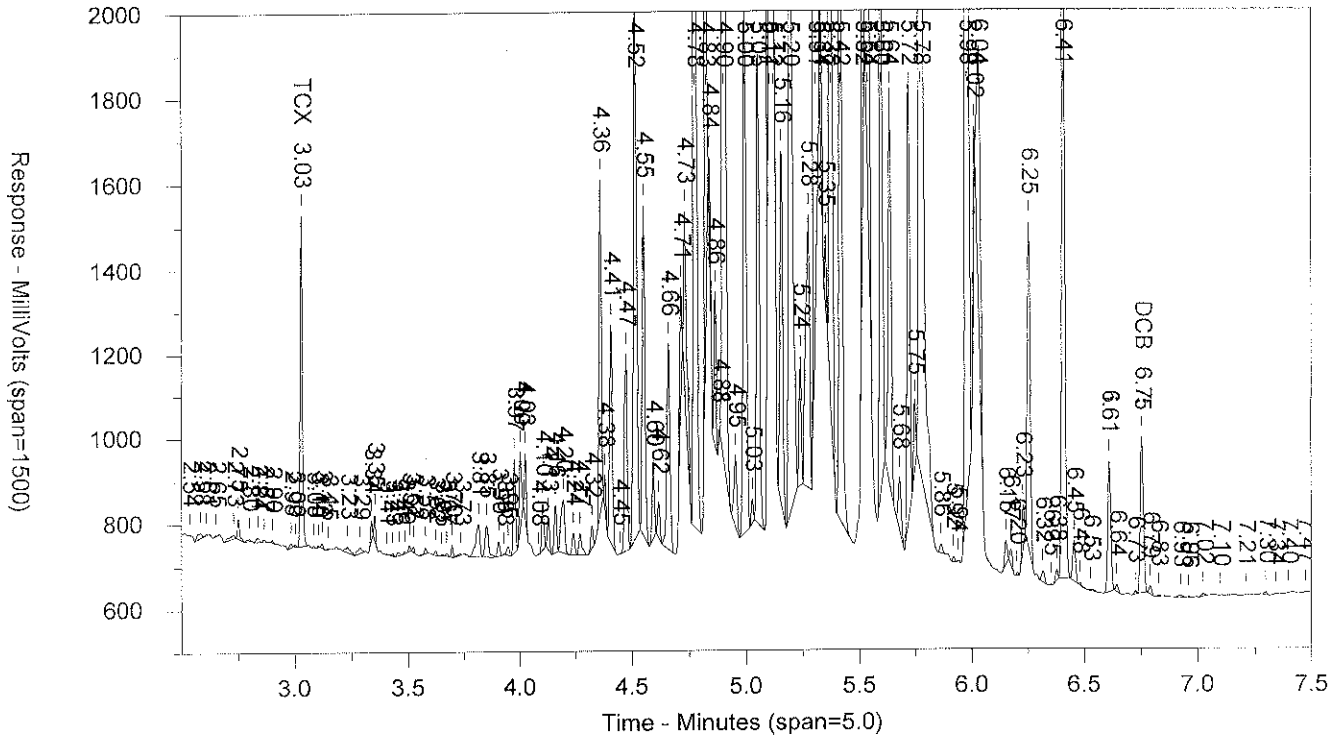

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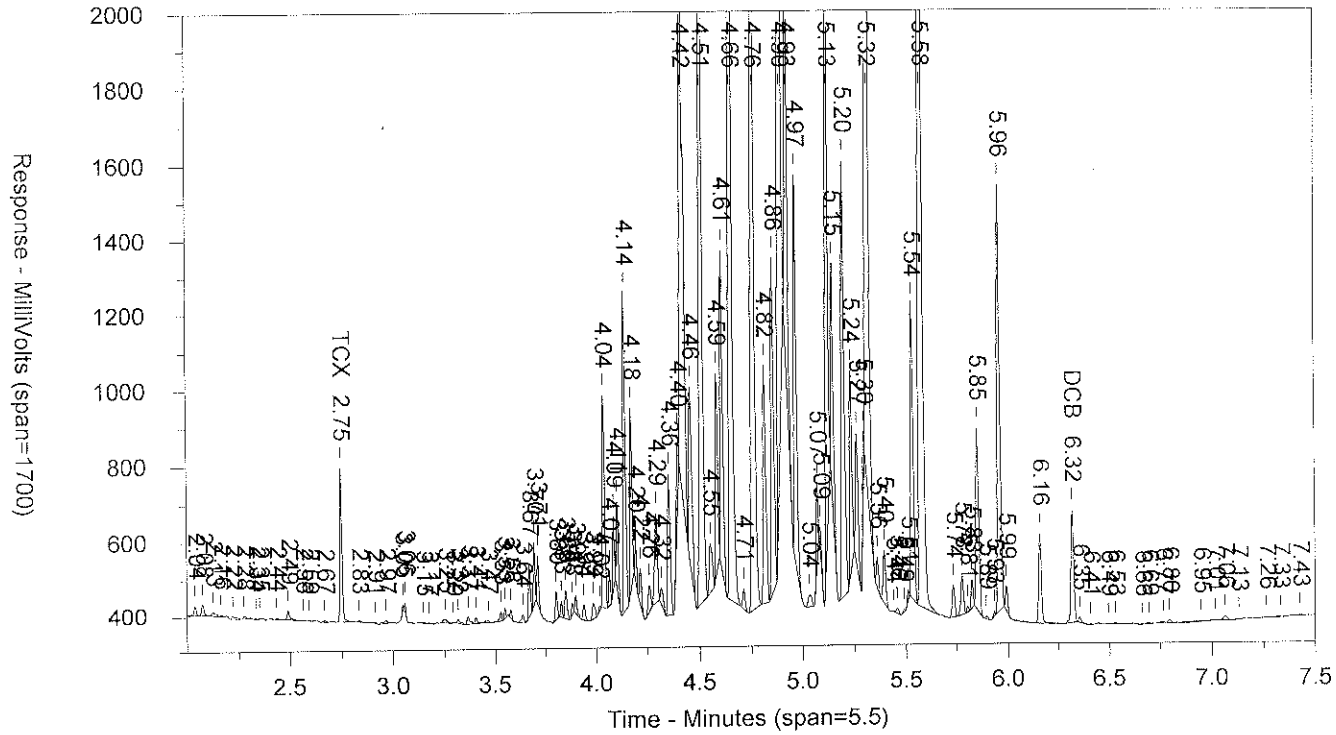

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229560 ACF DF10 04A11 Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.02 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 11:42:53
Instrument	19843A
Result file	07PCBS17292003.0086.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 65% (61 - 152) Conc: 19.7192

%SSR(DCB) 88% (48 - 164) Conc: 23.75273

Analysis Report (B)

Injected on	Oct 24, 2017 11:42:53
Instrument	19843B
Result file	07PCBS17292003B.0086.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 72% (61 - 152) Conc: 21.83469

%SSR(DCB) 77% (48 - 164) Conc: 20.86165

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1254586	19.7192
Decachlorobiphenyl	6.72	6.75	6.78	607443	23.75273

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	664114	21.83469
Decachlorobiphenyl	6.29	6.32	6.35	482320	20.86165

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	21.83469				10.18	
☑	Tetrachloro-m-xylene-D1	A	19.7192					
☑	Tetrachloro-m-xylene-D2	B	21.83469					
☐	Decachlorobiphenyl	A	23.75273				12.96	
☑	Decachlorobiphenyl-D1	A	23.75273					
☑	Decachlorobiphenyl-D2	B	20.86165					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.38**	
4.88	4.90	4.92	4845618	2722.244247			1
5.29	5.31	5.33	8811726	3767.148514			2
5.36	5.38	5.40	2500010	2111.69483			3
5.52	5.54	5.56	2527288	2063.276157			4
5.76	5.78	5.80	7578847	2600.86735			5
5.96	5.98	6.00	4567058	2549.647105			6

Height summation: **30830547**

Concentration CF: **2635.813034** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**25.77**	
4.64	4.65	4.68	4118841	3049.410569			1
4.75	4.76	4.78	3048517	2596.10387			2
4.88	4.89	4.92	4939906	3690.874291			3
5.11	5.12	5.15	1606924	1829.86978			4
5.30	5.32	5.34	4520375	2208.022859			5
5.56	5.58	5.60	3113618	2258.886234			6

Height summation: **21348181**

Concentration CF: **2605.527934** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<508.9821	<98.8024	D1		4	
☑	PCB-1221			<508.9821	<152.6946	D1		3	
☑	PCB-1232			<508.9821	<122.7545	D1		4	
☑	PCB-1242			<508.9821	<122.7545	D1		4	
☑	PCB-1248			<508.9821	<98.8024	D1		4	
☑	PCB-1254			<508.9821	<131.7365	D1		4	
☑	PCB-1260	A	2635.813034	508.9821	116.7665	D1	1.16	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:20

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229560** ACF DF10 04A11 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.02 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

1260
3005

Analysis Report (A)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0086.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 65% (61-152) Conc.: 19.7192
%SSR(DCB) : 88% (48-164) Conc.: 23.75273

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	150.30	
3.27	3.27	3.31	7629.4	7.602794			1
+ 3.27	3.28	3.31	7225.599	7.200401			1
+ 3.48	3.49	3.52	7858.392	7.535497			2
3.48	3.50	3.52	52022.29	49.884736			2
+ 3.48	3.52	3.52	50721.5	48.637395			2
3.60	3.62	3.64	142893.8	118.828162			3
3.82	3.85	3.86	212405	151.659284			4
3.88	3.90	3.92	77279.94	65.986206			5
4.08	4.10	4.12	697279.6	801.800603			6
Height Summation:			**1189510.03**				
Amount Avg CF:			**199.293631**	Linear:			
Aroclor-1221					3	68.47	
3.16	3.18	3.20	16802.67	32.702351			1
+ 3.16	3.20	3.20	8784.627	17.097161			1
3.22	3.23	3.26	12492.33	28.201515			2
+ 3.22	3.24	3.26	8104.615	18.29622			2
3.27	3.27	3.31	7629.4	4.78016			3
+ 3.27	3.28	3.31	7225.599	4.527161			3
Height Summation:			**36924.4**				
Amount Avg CF:			**21.894676**	Linear:			
Aroclor-1232					6	159.58	
3.26	3.27	3.30	7629.4	6.241058			1
+ 3.26	3.28	3.30	7225.599	5.910738			1
+ 3.48	3.49	3.52	7858.392	16.238225			2
3.48	3.50	3.52	52022.29	107.496503			2
+ 3.48	3.52	3.52	50721.5	104.808609			2
3.60	3.62	3.64	142893.8	253.593118			3
3.82	3.85	3.86	212405	308.118002			4
3.88	3.90	3.92	77279.94	148.786478			5
4.08	4.10	4.12	697279.6	1959.267937			6
Height Summation:			**1189510.03**				
Amount Avg CF:			**463.917183**	Linear:			
Aroclor-1242					6	153.31	
3.27	3.27	3.31	7629.4	8.874191			1
+ 3.27	3.28	3.31	7225.599	8.404507			1
+ 3.48	3.49	3.52	7858.392	9.081342			2
3.48	3.50	3.52	52022.29	60.11818			2
+ 3.48	3.52	3.52	50721.5	58.614957			2
3.60	3.62	3.64	142893.8	142.642541			3
3.82	3.85	3.86	212405	175.965251			4
3.88	3.90	3.92	77279.94	85.414575			5
4.08	4.10	4.12	697279.6	1013.764545			6
Height Summation:			**1189510.03**				
Amount Avg CF:			**247.796547**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0086.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.83469
%SSR(DCB) : 77% (48-164) Conc.: 20.86165

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	110.59	
3.02	3.05	3.06	94809.37	176.617952			1
3.35	3.37	3.39	102553.5	157.620798			2
3.54	3.55	3.58	151945	234.155856			3
+ 3.54	3.58	3.58	105257.2	162.20731			3
3.62	3.64	3.66	43494.67	64.446523			4
3.68	3.69	3.72	703592.6	1381.510802			5
+ 3.68	3.71	3.72	545711.1	1071.508966			5
3.79	3.80	3.83	449351.2	793.940361			6
Height Summation:			**1545746.34**				
Amount Avg CF:			**468.048715**	Linear:			
Aroclor-1221					3	64.79	
2.90	2.92	2.94	7479.321	23.744476			1
2.96	2.97	3.00	14251.98	78.280464			2
+ 2.96	3.00	3.00	2913.95	16.00517			2
3.02	3.05	3.06	94809.37	118.758043			3
Height Summation:			**116540.671**				
Amount Avg CF:			**73.594328**	Linear:			
Aroclor-1232					6	127.14	
3.02	3.05	3.06	94809.37	150.154206			1
3.35	3.37	3.39	102553.5	338.8843			2
3.54	3.55	3.58	151945	491.292819			3
+ 3.54	3.58	3.58	105257.2	340.334374			3
3.62	3.64	3.66	43494.67	147.751736			4
E 3.68	3.69	3.72	703592.6	3739.168321			5
E+ 3.68	3.71	3.72	545711.1	2900.123818			5
3.79	3.80	3.83	449351.2	1953.650303			6
Height Summation:			**1545746.34**				
Amount Avg CF:			**1136.816947**	Linear:			
Aroclor-1242					6	115.13	
3.02	3.05	3.06	94809.37	205.303752			1
3.35	3.37	3.39	102553.5	186.421075			2
3.54	3.55	3.58	151945	265.986963			3
+ 3.54	3.58	3.58	105257.2	184.257744			3
3.62	3.64	3.66	43494.67	79.484695			4
3.68	3.69	3.72	703592.6	1780.49625			5
+ 3.68	3.71	3.72	545711.1	1380.964733			5
3.79	3.80	3.83	449351.2	966.90946			6
Height Summation:			**1545746.34**				
Amount Avg CF:			**580.767032**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229560** ACF DF10 04A11 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.02 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0086.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	107.27	
3.82	3.85	3.86	212405	276.431			1
3.88	3.90	3.92	77279.94	120.344892			2
3.95	3.97	3.99	1206551	1102.254594			3
4.08	4.10	4.12	697279.6	569.227778			4
4.17	4.19	4.21	442448	433.200047			5
4.36	4.36	4.40	2508159	2556.047965			6
+ 4.36	4.38	4.40	676136.1	689.045751			6
Height Summation:			**5144122.54**				
Amount Avg CF:			**842.917713**	Linear:			
Aroclor-1254					6	50.63	
4.69	4.71	4.73	2709993	2261.861007			1
4.76	4.78	4.80	6038252	2542.112988			2
4.88	4.90	4.92	4845618	6699.623036			3
4.97	4.99	5.01	3573596	2306.074336			4
5.17	5.20	5.21	3960726	3268.879718			5
5.29	5.31	5.33	8811726	5697.799893			6
Height Summation:			**29939911**				
Amount Avg CF:			**3796.058496**	Linear:			
Aroclor-1260					6	23.38	
4.88	4.90	4.92	4845618	2722.244247			1
5.29	5.31	5.33	8811726	3767.148514			2
5.36	5.38	5.40	2500010	2111.69483			3
5.52	5.54	5.56	2527288	2063.276157			4
5.76	5.78	5.80	7578847	2600.86735			5
5.96	5.98	6.00	4567058	2549.647105			6
Height Summation:			**30830547**				
Amount Avg CF:			**2635.813034**	Linear:			
Aroclor-1262					6	39.79	
5.35	5.38	5.39	2500010	1306.160012			1
+ 5.52	5.52	5.56	1037870	630.301633			2
5.52	5.54	5.56	2527288	1534.82975			2
E 5.75	5.78	5.79	7578847	2206.752044			3
E 5.96	5.98	6.00	4567058	2049.481215			4
+ 6.01	6.01	6.05	135249	128.6273			5
6.01	6.04	6.05	556079.5	528.854223			5
6.38	6.41	6.42	1607763	1403.096366			6
Height Summation:			**19337045.5**				
Amount Avg CF:			**1504.862268**	Linear:			
Aroclor-1268					6	127.85	
5.96	5.98	5.99	4567058	1100.453907			1
+ 6.01	6.01	6.05	135249	38.040519			2
6.01	6.04	6.05	556079.5	156.404505			2
6.15	6.15	6.19	62578.97	19.102543			3
+ 6.15	6.17	6.19	31594.14	9.644269			3
6.21	6.23	6.25	103406.5	117.995033			4
6.38	6.41	6.42	1607763	1243.829193			5
6.58	6.61	6.62	280796.2	28.020171			6
Height Summation:			**7177682.17**				
Amount Avg CF:			**444.300892**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0086.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	91.84	
3.54	3.55	3.58	151945	478.199028			1
+ 3.54	3.58	3.58	105257.2	331.263883			1
3.62	3.64	3.66	43494.67	112.853178			2
3.68	3.69	3.72	703592.6	1241.23267			3
+ 3.68	3.71	3.72	545711.1	962.708314			3
3.79	3.80	3.83	449351.2	571.536037			4
3.88	3.90	3.92	231200.7	486.309865			5
4.02	4.04	4.06	2283434	2305.900666			6
Height Summation:			**3863018.17**				
Amount Avg CF:			**866.005241**	Linear:			
Aroclor-1254					6	56.14	
4.34	4.35	4.38	1303237	1563.498842			1
4.40	4.42	4.44	3434830	2374.009461			2
4.50	4.51	4.54	3392258	4847.272109			3
4.57	4.58	4.61	2021446	2255.128914			4
4.64	4.65	4.68	4118841	7225.927041			5
4.88	4.89	4.92	4939906	4626.559621			6
Height Summation:			**19210518**				
Amount Avg CF:			**3815.399331**	Linear:			
Aroclor-1260					6	25.77	
4.64	4.65	4.68	4118841	3049.410569			1
4.75	4.76	4.78	3048517	2596.10387			2
4.88	4.89	4.92	4939906	3690.874291			3
5.11	5.12	5.15	1606924	1829.86978			4
5.30	5.32	5.34	4520375	2208.022859			5
5.56	5.58	5.60	3113618	2258.886234			6
Height Summation:			**21348181**				
Amount Avg CF:			**2605.527934**	Linear:			
Aroclor-1262					6	37.26	
4.91	4.93	4.95	1061349	837.311013			1
5.11	5.12	5.15	1606924	1207.673149			2
5.30	5.32	5.34	4520375	1820.545764			3
5.52	5.53	5.56	711553.5	745.884035			4
5.56	5.58	5.60	3113618	1808.282148			5
5.94	5.96	5.98	1034800	1092.470008			6
Height Summation:			**12048619.5**				
Amount Avg CF:			**1252.027686**	Linear:			
Aroclor-1268					6	115.20	
5.52	5.53	5.56	711553.5	239.242566			1
5.56	5.58	5.60	3113618	1028.393053			2
5.72	5.73	5.76	87125.13	33.619679			3
+ 5.79	5.80	5.82	12754.66	18.824694			4
5.79	5.82	5.82	93893.73	138.578425			4
5.94	5.96	5.98	1034800	998.530154			5
6.14	6.16	6.18	229202.4	26.734345			6
Height Summation:			**5270192.76**				
Amount Avg CF:			**410.849704**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229560** ACF DF10 04A11 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.02 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0086.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 11:42:53
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0086.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			508.982	98.8024		** 80.54	4	40	
Aroclor-1221			508.982	152.6946		** 108.28	3	40	
Aroclor-1232			508.982	122.7545		** 84.07	4	40	
Aroclor-1242			508.982	122.7545		** 80.37	4	40	
Aroclor-1248			508.982	98.8024		2.70	4	40	
Aroclor-1254			508.982	131.7365		0.51	4	40	
Aroclor-1260			508.982	116.7665		1.16	4	40	
Aroclor-1262			508.982	98.8024	E	18.34	4	40	
Aroclor-1268			508.982	98.8024		7.82	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:42:53 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0086.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.509		5871	4961
1.532		6298	4909
1.554		8498	6398
1.596		27406	51703
1.658		175705	263111
1.706		41192	45953
1.734		39752	52858
1.766		80910	105890
1.809		49515	71605
1.835		58257	90432
1.862		47920	48894
1.879		46631	39603
1.893		47034	41526
1.91		48882	46177
1.932		54377	69308
1.953		56411	68377
1.976		55556	62620
2.002		59128	59403
2.02		58029	62816
2.039		36221	23022
2.069		48240	51307
2.089		45945	74757
2.134		75086	142390
2.191		64309	128368
2.225		66637	126485
2.259		35196	40633
2.292		104696	84862
2.311		28393	19879
2.322		24375	13536
2.358		28639	25389
2.407		57797	81338
2.434		44376	27106
2.466		38226	29956
2.484		43624	43091
2.514		20608	21361
2.537		18609	21001
2.57		11467	5520
2.607		23899	16040
2.646		25114	48207
2.7		9032	5702
2.725		16816	18383
2.748		74756	55468
2.796		10521	10335
2.838		21178	23725
2.864		14234	8247
2.899		18502	22743
2.93		9844	6221
2.979		22640	37785
3.028	TCX	1254586	827816
3.08		12759	7649
3.101		9527	5131
3.118		12742	8105
3.145		9729	6080

RT A	Compound A	Height A	Area A
3.181		16803	14040
3.197		8785	3332
3.228		12492	13547
3.242		8105	3792
3.274		7629	4401
3.285		7226	3590
3.312		6823	3118
3.352		165249	128721
3.377		13539	11021
3.409		5235	3317
3.431		9048	5226
3.459		11041	9709
3.486		7858	5697
3.503		52022	29687
3.52		50722	27938
3.573		18236	14992
3.589		6535	4541
3.62		142894	99147
3.645		4021	2164
3.669		5170	3148
3.693		41254	25206
3.737		27066	49192
3.807		349342	488192
3.85		212405	200163
3.902		77280	56292
3.929		32366	18931
3.945		74747	43385
3.973		1206551	858511
4		1129876	774716
4.024		939670	619324
4.102		697280	499481
4.127		394271	276884
4.158		485797	357022
4.194		442448	422115
4.237		123933	105333
4.267		49859	32839
4.283		14224	8599
4.321		124843	95687
4.358		2508159	1836212
4.378		676136	379560
4.403		1599850	1292900
4.473		1046862	855262
4.517		4077641	4166173
4.552		1821250	1500062
4.593		214886	158568
4.617		261691	194314
4.66		1297710	1146454
4.714		2709993	2610950
4.744		345607	196588
4.776		6038252	5384536
4.824		1268646	966020
4.839		129509	64202
4.862		760248	538768
4.902		4845618	4371426
4.951		439302	389054
4.993		3573596	3391751
5.025		76288	47991
5.052		1028956	892929
5.103		5987972	5378284
5.121		737875	401076
5.155		766650	654530
5.196		3960727	3836512
5.239		331396	231457
5.265		78337	74953
5.276		340775	228273
5.312		8811726	7753578

RT A	Compound A	Height A	Area A
5.334		439402	213881
5.353		202989	96166
5.376		2500011	2091492
5.418		1751772	1594228
5.518		1037870	799144
5.539		2527288	1947490
5.596		1531749	1327540
5.635		965821	925703
5.676		137408	146956
5.718		1456081	1308775
5.748		208186	143019
5.776		7578847	7248467
5.858		11600	22935
5.936		3495	2164
5.982		4567059	4281838
6.015		135249	123198
6.035		556080	559504
6.149		62579	48460
6.17		31594	22408
6.199		8811	5639
6.226		103407	79280
6.252		775145	686882
6.316		29739	33563
6.355		2738	1718
6.377		27089	19752
6.407		1607763	1470079
6.452		78755	70384
6.479		8124	5577
6.525		1666	644
6.607		280796	266493
6.642		5789	4555
6.659		6941	5632
6.724		4749	3120
6.754	DCB	607443	635821
6.789		13593	10818
6.826		5090	4322
6.921		1586	994
6.993		1208	992
7.024		18366	19721
7.072		4332	2669
7.16		3798	5982
7.237		6840	6684
7.299		27965	57702
7.475		2036	1377
7.556		4501	6598
7.62		1966	3954
7.693		6306	10897
7.735		893	839
7.756		1432	428
7.78		2300	2850
7.828		1590	1603
7.919		3016	3446
7.983		31730	49307
8.071		1464	525
8.123		1809	376
8.173		1522	599
8.235		5162	9033
8.292		1675	748
8.322		1681	1783
8.363		1473	614
8.403		1348	1330
8.429		1788	1174
8.449		1662	1080
8.555		2034	1053
8.572		1543	753
8.633		1696	440

LANCASTER LABORATORIES

Sample Number: 9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:42:53 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0086.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		27910	45125
1.637		6931	6504
1.69		4577	3164
1.757		10021	11766
1.789		8756	7826
1.823		12197	16562
1.852		9449	10591
1.881		10484	14255
1.911		16968	24191
1.976		10514	10954
1.992		18774	17947
2.021		9084	7408
2.041		23854	19364
2.077		45307	34470
2.124		10856	22381
2.169		7011	5570
2.187		2245	905
2.222		10031	15300
2.281		10056	11529
2.31		5086	3787
2.338		4069	2290
2.395		3604	2606
2.413		1824	1500
2.445		5318	4550
2.492		40451	32618
2.565		3411	3005
2.589		2792	1955
2.669		7303	7197
2.706		5548	6383
2.747	TCX	664114	466862
2.835		3515	3260
2.919		7479	5306
2.967		14252	18024
3.003		2914	1775
3.047		94809	82043
3.146		6453	6922
3.181		5048	4651
3.244		19933	9730
3.255		19232	8461
3.295		4448	2693
3.317		12412	8519
3.365		102554	74336
3.404		23703	17389
3.45		23679	24647
3.489		4867	3409
3.526		168152	132368
3.546		151945	100188
3.577		105257	64178
3.614		33791	19983
3.636		43495	27507
3.67		719711	482210
3.693		703593	409837
3.712		545711	334596
3.746		12990	6788

3.803		449351	317931
3.827		226614	136846
3.849		294893	222915
3.881		29090	14168
3.898		231201	170612
3.94		84121	77347
3.984		76982	72751
4.014		131404	82238
4.037		2283434	1635198
4.063		538683	334016
4.084		321106	188237
4.103		481014	320348
4.14		2546376	1935134
4.174		1057762	735369
4.194		370901	220625
4.215		112428	62282
4.257		195540	171540
4.293		760516	590478
4.322		484400	352505
4.352		1303237	1087376
4.396		169833	267029
4.416		3434830	3333444
4.456		476884	471824
4.512		3392258	3021988
4.549		291822	252266
4.584		2021446	1503217
4.609		802111	595795
4.653		4118841	3676607
4.711		1215962	978171
4.761		3048517	3096712
4.814		1303451	1190943
4.856		913086	843808
4.894		4939907	4628332
4.928		1061349	778116
4.969		949828	810613
5.035		30286	36005
5.073		155932	110373
5.086		86141	52830
5.124		1606924	1311089
5.148		753238	564318
5.199		1064631	998911
5.235		497183	411649
5.263		337560	280790
5.296		353478	231818
5.317		4520375	3907427
5.359		84378	59329
5.393		134439	119815
5.511		25893	16017
5.534		711554	661133
5.578		3113618	3526133
5.733		87125	79790
5.777		106376	93069
5.803		12755	7146
5.825		93894	69282
5.852		453537	390570
5.893		8356	7165
5.931		17084	10628
5.957		1034800	950048
5.989		55501	41935
6.038		4089	3517
6.078		1995	2038
6.158		229202	211963
6.254		2675	2951
6.319	DCB	482320	458079
6.353		14067	10791
6.525		40094	54132
6.588		2716	2516

6.686	2076	2218
6.74	2258	1513
6.761	11871	10015
6.838	2401	2682
6.947	1735	1842
7.06	5960	7707
7.124	2186	2371
7.264	18362	28304
7.426	1846	1747
7.587	1787	2277
7.666	1186	1062
7.768	2684	3288
7.843	1755	2346
7.996	1585	1602
8.06	2006	2886
8.333	1942	3072
8.406	1335	2290
8.513	14808	27520
8.631	2913	5190

9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082

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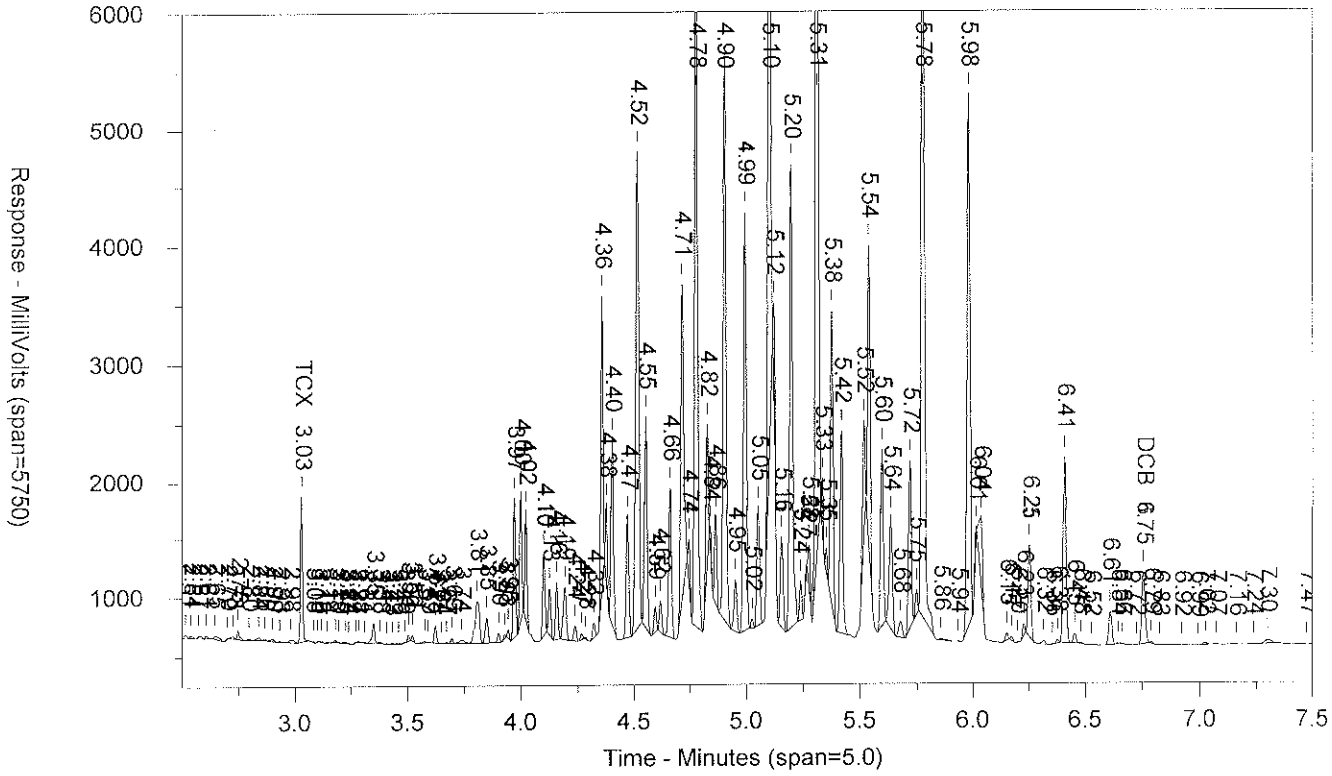

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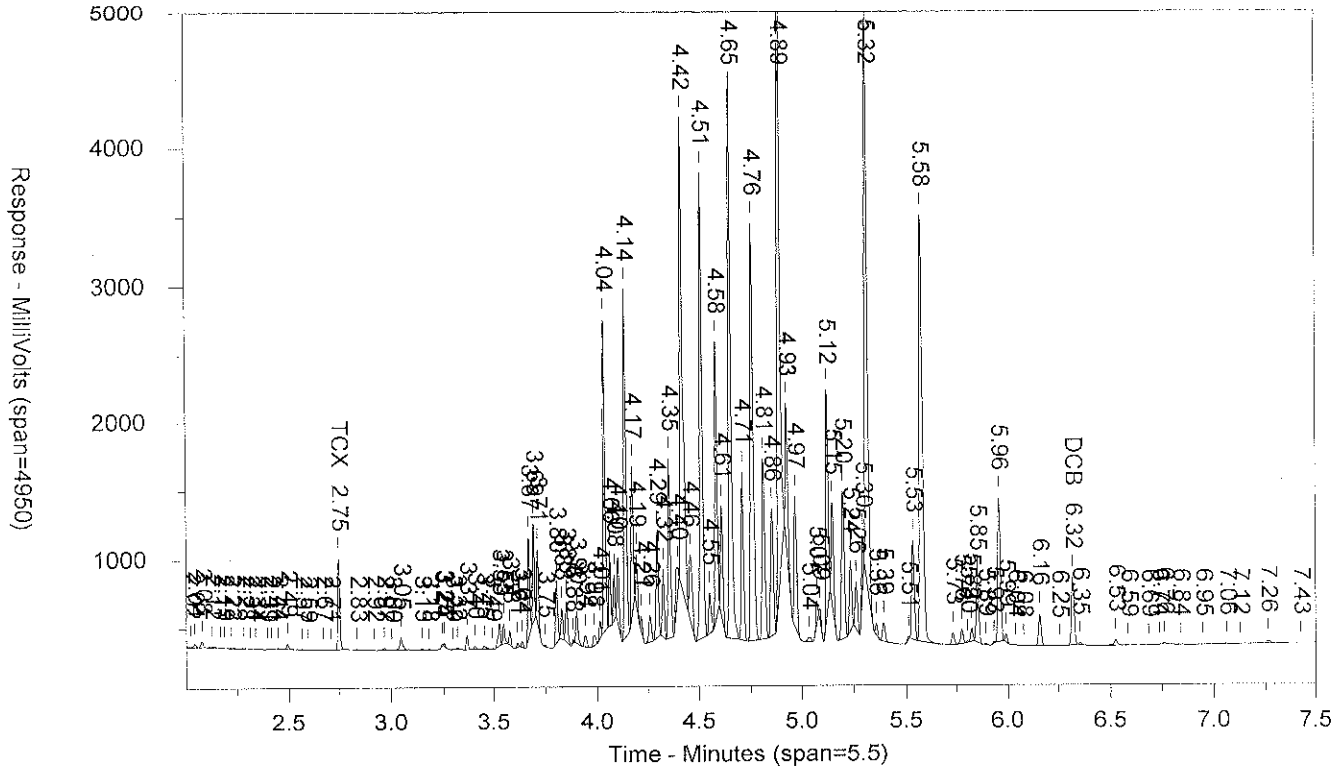

LANCASTER LABORATORIES

Sample Number: 9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 11:42:53 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: 10.02
Dilution Factor: 100

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1254586	19.719	TCX	2.747	664114	21.835	TCX
6.754	607443	23.753	DCB	6.319	482320	20.862	DCB

Files:
Area File: 07PCBS17292003.0086.RAW
Area File: 07PCBS17292003B.0086.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 11:51:38 AM
File Reported On: 10/24/2017 at 11:52:02 AM

9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082

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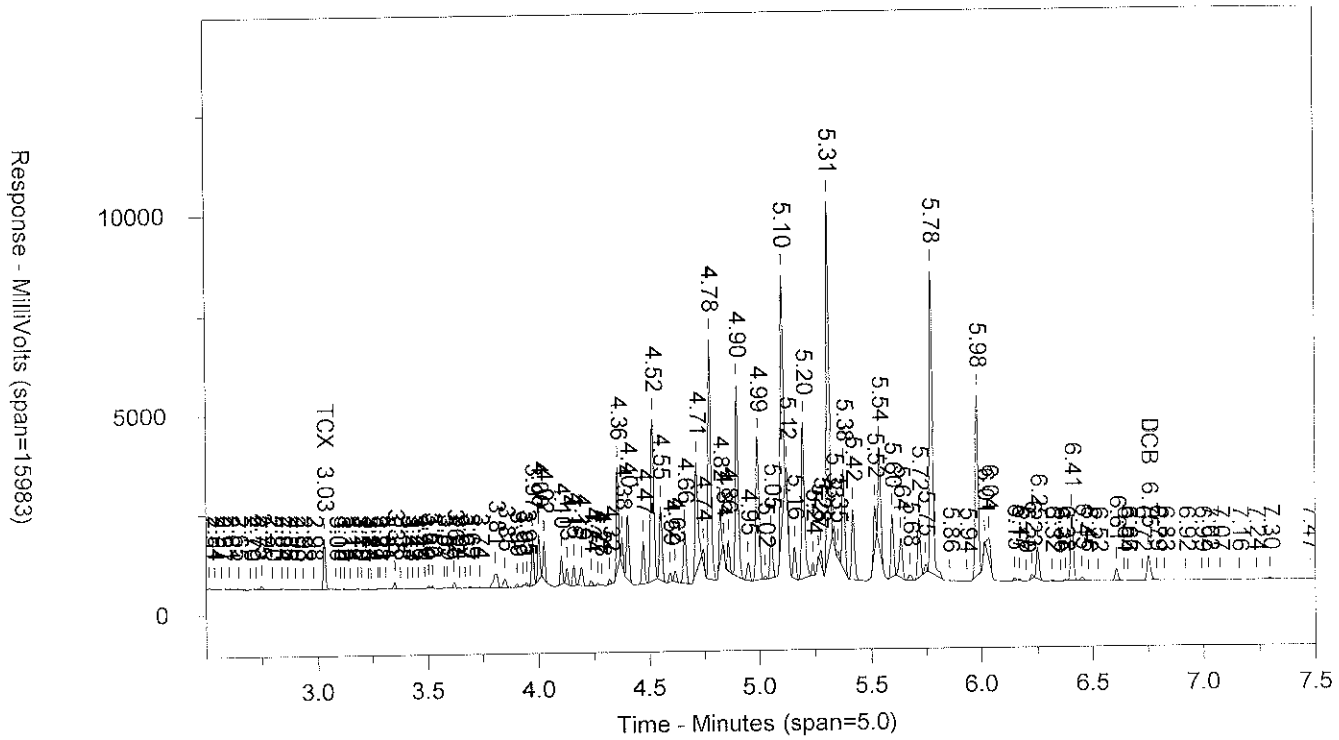

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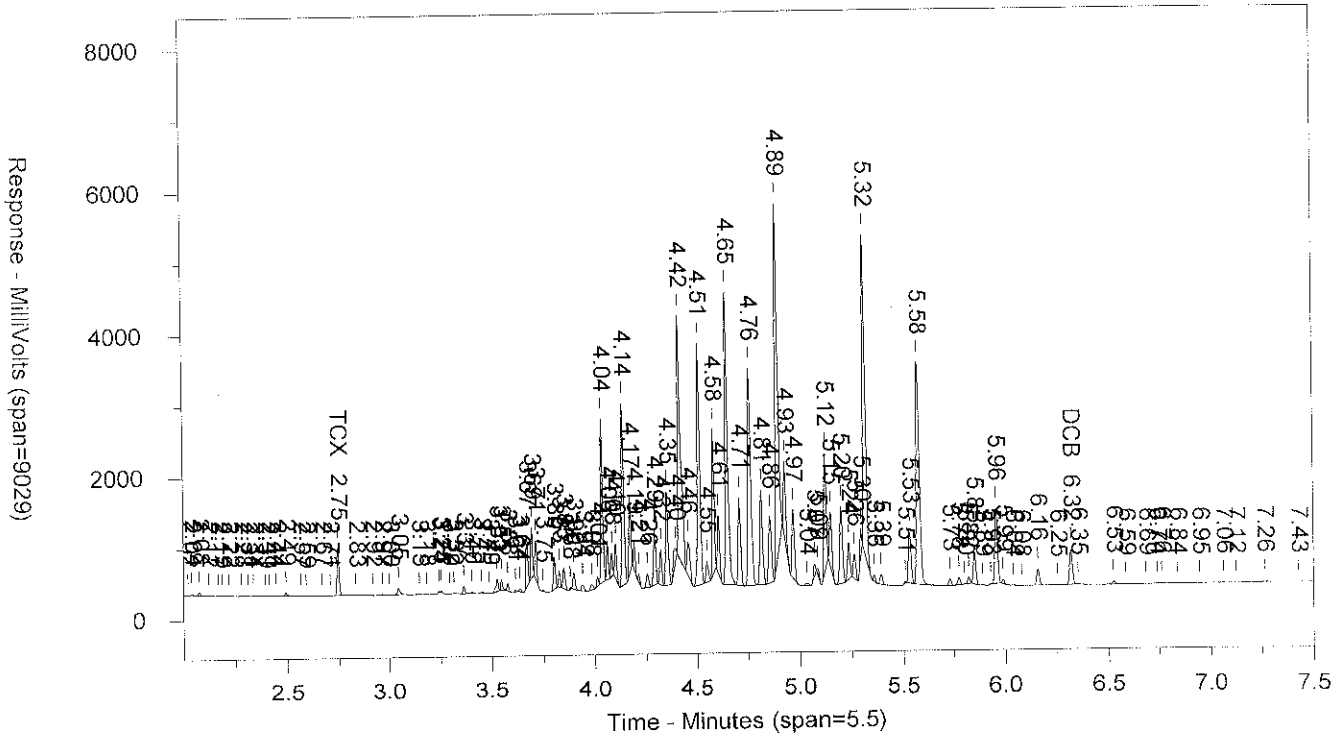

9229560 ACF DF10 AC04A11 T 172860014A 10225 SW-846 8082

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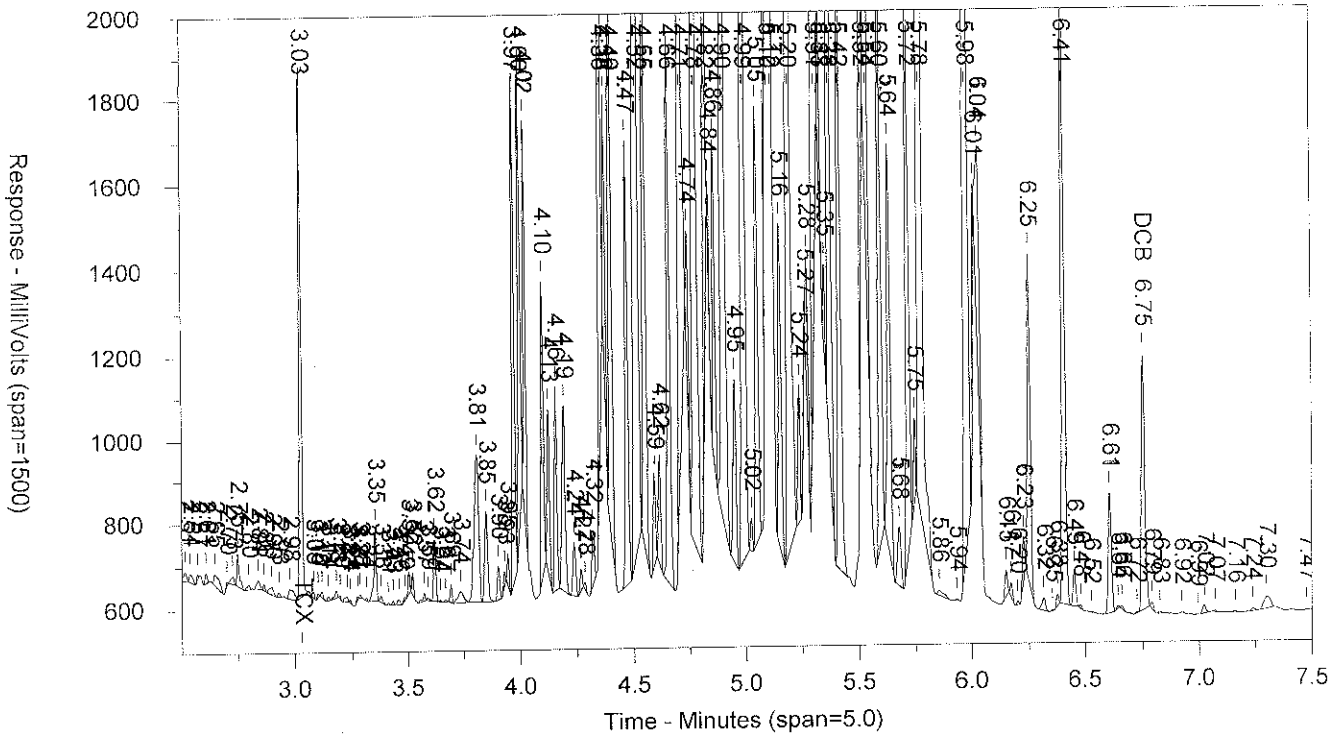

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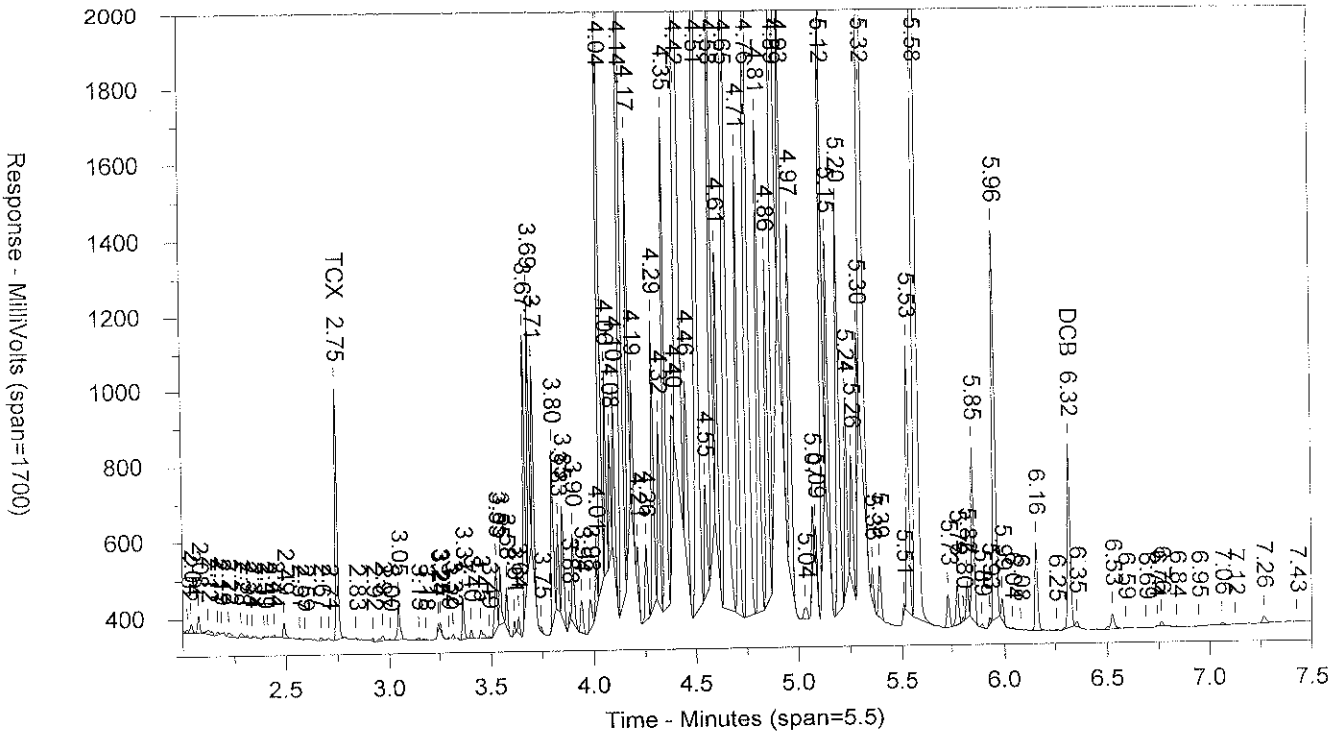

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Data Summary

Sample Name: 9229561 ACF DF10 04A12 Sample ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Oct 26, 2017 06:37:26
Instrument	19843A
Result file	07PCBS17292005.0044.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 68% (61 - 152) Conc: 20.19943
%SSR(DCB) 98% (48 - 164) Conc: 25.80511

Analysis Report (B)

Injected on	Oct 26, 2017 06:37:26
Instrument	19843B
Result file	07PCBS17292005B.0044.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 75% (61 - 152) Conc: 22.25765
%SSR(DCB) 85% (48 - 164) Conc: 22.48952

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1315922	20.19943
Decachlorobiphenyl	6.72	6.75	6.78	675737	25.80511

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	693194	22.25765
Decachlorobiphenyl	6.29	6.31	6.35	532410	22.48952

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
	Tetrachloro-m-xylene	B	22.25765				9.70	
✓	Tetrachloro-m-xylene-D1	A	20.19943					
✓	Tetrachloro-m-xylene-D2	B	22.25765					
	Decachlorobiphenyl	A	25.80511				13.73	
✓	Decachlorobiphenyl-D1	A	25.80511					
✓	Decachlorobiphenyl-D2	B	22.48952					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.18**	
4.88	4.90	4.92	8268706	4536.655756			1
5.29	5.31	5.33	16123260	6731.703448			2
5.36	5.37	5.40	5380227	4438.235789			3
5.52	5.54	5.56	5390346	4297.734947			4
5.76	5.77	5.80	16925220	5672.43785			5
5.96	5.98	6.00	9717780	5298.231993			6

Height summation: **61805539**
Concentration CF: **5162.499964** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**17.36**	
4.64	4.65	4.68	7253426	5244.503981			1
4.75	4.76	4.78	5313863	4419.408611			2
4.88	4.89	4.92	8772826	6401.333371			3
5.11	5.12	5.15	3480035	3870.159113			4
5.30	5.32	5.34	10262720	4895.667811			5
5.56	5.58	5.60	6747522	4780.724304			6

Height summation: **41830392**
Concentration CF: **4935.299532** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
✓	PCB-1016			<497.076	<96.4912	D1		4	
✓	PCB-1221			<497.076	<149.1228	D1		3	
✓	PCB-1232			<497.076	<119.883	D1		4	
✓	PCB-1242			<497.076	<119.883	D1		4	
✓	PCB-1248			<497.076	<96.4912	D1		4	
✓	PCB-1254			<497.076	<128.655	D1		4	
✓	PCB-1260	A	5162.499964	497.076	114.0351	D1	4.50	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 27 2017

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 17:59:41

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229561** ACF DF10 04A12 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0044.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

TCX 1260500

%SSR(TCX) : 68% (61-152) Conc.: 20.19943
%SSR(DCB) : 98% (48-164) Conc.: 25.80511

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	129.63	
3.27	3.28	3.31	23581.7	22.949769			1
+ 3.48	3.50	3.52	40812.85	38.220424			2
3.48	3.52	3.52	48263.03	45.19737			2
3.60	3.62	3.64	159015	129.14109			3
3.82	3.85	3.86	295975.3	206.385934			4
3.88	3.90	3.92	71712.37	59.79995			5
4.08	4.10	4.12	595939.4	669.239983			6
Height Summation:			**1194486.8**				
Amount Avg CF:			**188.785682**	Linear:			
Aroclor-1221					3	39.73	
3.16	3.18	3.20	9756.48	18.544461			1
3.22	3.23	3.26	13894.94	30.634164			2
3.27	3.28	3.31	23581.7	14.429375			3
Height Summation:			**47233.12**				
Amount Avg CF:			**21.202667**	Linear:			
Aroclor-1232					6	141.14	
3.26	3.28	3.30	23581.7	18.839237			1
+ 3.48	3.48	3.52	8230.218	16.608736			2
+ 3.48	3.50	3.52	40812.85	82.361103			2
3.48	3.52	3.52	48263.03	97.395707			2
3.60	3.62	3.64	159015	275.602106			3
3.82	3.85	3.86	295975.3	419.30319			4
3.88	3.90	3.92	71712.37	134.837634			5
4.08	4.10	4.12	595939.4	1635.344792			6
Height Summation:			**1194486.8**				
Amount Avg CF:			**430.220444**	Linear:			
Aroclor-1242					6	132.95	
3.27	3.28	3.31	23581.7	26.787603			1
+ 3.48	3.50	3.52	40812.85	46.06103			2
3.48	3.52	3.52	48263.03	54.469239			2
3.60	3.62	3.64	159015	155.022286			3
3.82	3.85	3.86	295975.3	239.462773			4
3.88	3.90	3.92	71712.37	77.406895			5
4.08	4.10	4.12	595939.4	846.160209			6
Height Summation:			**1194486.8**				
Amount Avg CF:			**233.218167**	Linear:			
Aroclor-1248					6	115.68	
3.82	3.85	3.86	295975.3	376.181851			1
3.88	3.90	3.92	71712.37	109.062468			2
3.95	3.97	3.99	1140502	1017.542706			3
4.08	4.10	4.12	595939.4	475.118111			4
4.17	4.19	4.21	517487.4	494.819037			5
4.36	4.36	4.40	2966251	2952.175647			6
+ 4.36	4.38	4.40	549565.9	546.958119			6
Height Summation:			**5587867.47**				
Amount Avg CF:			**904.14997**	Linear:			

Analysis Report (B)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0044.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 75% (61-152) Conc.: 22.25765
%SSR(DCB) : 85% (48-164) Conc.: 22.48952

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	109.53	
3.02	3.05	3.06	174586.9	317.625672			1
3.35	3.36	3.39	132691.2	199.170731			2
3.54	3.55	3.58	198940.6	299.407307			3
+ 3.54	3.58	3.58	179130.7	269.593238			3
3.62	3.63	3.66	47751.41	69.098721			4
+ 3.68	3.69	3.72	686859.5	1317.10771			5
3.68	3.71	3.72	864188.8	1657.150744			5
3.79	3.80	3.83	381429.2	658.167256			6
Height Summation:			**1799588.11**				
Amount Avg CF:			**533.436739**	Linear:			
Aroclor-1221					3	95.78	
2.90	2.92	2.94	6668.535	20.675271			1
2.96	2.97	3.00	14281.7	76.608764			2
+ 2.96	3.00	3.00	2752.501	14.764748			2
3.02	3.05	3.06	174586.9	213.571741			3
Height Summation:			**195537.135**				
Amount Avg CF:			**103.618592**	Linear:			
Aroclor-1232					6	131.41	
3.02	3.05	3.06	174586.9	270.03388			1
3.35	3.36	3.39	132691.2	428.216547			2
3.54	3.55	3.58	198940.6	628.19979			3
+ 3.54	3.58	3.58	179130.7	565.645565			3
3.62	3.63	3.66	47751.41	158.417484			4
E+ 3.68	3.69	3.72	686859.5	3564.856255			5
E 3.68	3.71	3.72	864188.8	4485.209638			5
3.79	3.80	3.83	381429.2	1619.553209			6
Height Summation:			**1799588.11**				
Amount Avg CF:			**1264.938425**	Linear:			
Aroclor-1242					6	115.08	
3.02	3.05	3.06	174586.9	369.213558			1
3.35	3.36	3.39	132691.2	235.562961			2
3.54	3.55	3.58	198940.6	340.108684			3
+ 3.54	3.58	3.58	179130.7	306.241696			3
3.62	3.63	3.66	47751.41	85.222453			4
+ 3.68	3.69	3.72	686859.5	1697.493306			5
3.68	3.71	3.72	864188.8	2135.74203			5
3.79	3.80	3.83	381429.2	801.556612			6
Height Summation:			**1799588.11**				
Amount Avg CF:			**661.234383**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229561** ACF DF10 04A12 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0044.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.87	
4.69	4.71	4.73	1543872	1258.430966			1
+ 4.69	4.73	4.73	340796.6	277.787922			1
4.76	4.77	4.80	7236649	2975.37346			2
+ 4.88	4.88	4.92	40617.29	54.844426			3
E 4.88	4.90	4.92	8268706	11165.009696			3
4.97	4.99	5.01	3920343	2470.655973			4
5.17	5.20	5.21	5860362	4723.554663			5
E 5.29	5.31	5.33	16123260	10181.679602			6
Height Summation:			**42953192**				
Amount Avg CF:			**5462.450726**	Linear:			
Aroclor-1260					6	18.18	
4.88	4.90	4.92	8268706	4536.655756			1
5.29	5.31	5.33	16123260	6731.703448			2
5.36	5.37	5.40	5380227	4438.235789			3
5.52	5.54	5.56	5390346	4297.734947			4
5.76	5.77	5.80	16925220	5672.43785			5
5.96	5.98	6.00	9717780	5298.231993			6
Height Summation:			**61805539**				
Amount Avg CF:			**5162.499964**	Linear:			
Aroclor-1262					6	39.54	
E 5.35	5.37	5.39	5380227	2745.210165			1
E 5.52	5.54	5.56	5390346	3196.998827			2
E 5.75	5.77	5.79	16925220	4812.880528			3
E 5.96	5.98	6.00	9717780	4258.874463			4
6.01	6.03	6.05	1305079	1212.149688			5
E 6.38	6.40	6.42	3424628	2918.765699			6
Height Summation:			**42143280**				
Amount Avg CF:			**3190.813228**	Linear:			
Aroclor-1268					6	127.63	
E 5.96	5.98	5.99	9717780	2286.771407			1
+ 6.01	6.01	6.05	239727.9	65.849323			2
6.01	6.03	6.05	1305079	358.483801			2
6.15	6.15	6.19	83208.07	24.805534			3
+ 6.15	6.17	6.19	59922.39	17.863734			3
6.21	6.22	6.25	212269.2	236.550152			4
E 6.38	6.40	6.42	3424628	2587.45306			5
6.58	6.60	6.62	597037.3	58.183707			6
Height Summation:			**15340001.57**				
Amount Avg CF:			**925.37461**	Linear:			

Analysis Report (B)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0044.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	87.05	
3.54	3.55	3.58	198940.6	611.457195			1
+ 3.54	3.58	3.58	179130.7	550.570147			1
3.62	3.63	3.66	47751.41	120.999706			2
+ 3.68	3.69	3.72	686859.5	1183.369046			3
3.68	3.71	3.72	864188.8	1488.884227			3
3.79	3.80	3.83	381429.2	473.796678			4
3.88	3.90	3.92	307702.5	632.084762			5
4.02	4.04	4.06	2390595	2357.645471			6
Height Summation:			**4190607.51**				
Amount Avg CF:			**947.478007**	Linear:			
Aroclor-1254					6	75.19	
4.34	4.35	4.38	1358318	1591.460922			1
4.40	4.41	4.44	3993514	2695.58338			2
4.50	4.51	4.54	5589730	7800.451059			3
4.57	4.58	4.61	1906159	2076.771493			4
E 4.64	4.65	4.68	7253426	12427.451889			5
4.88	4.89	4.92	8772826	8024.155838			6
Height Summation:			**28873973**				
Amount Avg CF:			**5769.31243**	Linear:			
Aroclor-1260					6	17.36	
4.64	4.65	4.68	7253426	5244.503981			1
4.75	4.76	4.78	5313863	4419.408611			2
4.88	4.89	4.92	8772826	6401.333371			3
5.11	5.12	5.15	3480035	3870.159113			4
+ 5.11	5.15	5.15	1041211	1157.9344			4
5.30	5.32	5.34	10262720	4895.667811			5
5.56	5.58	5.60	6747522	4780.724304			6
Height Summation:			**41830392**				
Amount Avg CF:			**4935.299532**	Linear:			
Aroclor-1262					6	37.59	
4.91	4.93	4.95	2434784	1875.898724			1
E 5.11	5.12	5.15	3480035	2554.218498			2
E 5.30	5.32	5.34	10262720	4036.546659			3
5.52	5.53	5.56	1535906	1572.34828			4
E 5.56	5.58	5.60	6747522	3827.06233			5
E 5.94	5.96	5.98	2272218	2342.736583			6
Height Summation:			**26733185**				
Amount Avg CF:			**2701.468513**	Linear:			
Aroclor-1268					6	120.88	
5.52	5.53	5.56	1535906	504.331262			1
E 5.56	5.58	5.60	6747522	2176.499015			2
5.72	5.73	5.76	139672	52.635631			3
+ 5.79	5.80	5.82	29172.28	42.048428			4
5.79	5.82	5.82	119359.7	172.04304			4
E 5.94	5.96	5.98	2272218	2141.288186			5
6.14	6.16	6.18	462175.1	52.647445			6
Height Summation:			**11276852.8**				
Amount Avg CF:			**849.90743**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229561** ACF DF10 04A12 ID: AE **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843A
Result file : 07PCBS17292005.0044.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 26, 2017 06:37:26
Instrument : CP 7--19843B
Result file : 07PCBS17292005B.0044.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			497.076	96.4912		** 95.44	4	40	
Aroclor-1221			497.076	149.1228		** 132.05	3	40	
Aroclor-1232			497.076	119.883		** 98.48	4	40	
Aroclor-1242			497.076	119.883		** 95.70	4	40	
Aroclor-1248			497.076	96.4912		4.68	4	40	
Aroclor-1254			497.076	128.655	E	5.46	4	40	
Aroclor-1260			497.076	114.0351		4.50	4	40	
Aroclor-1262			497.076	96.4912	E	16.61	4	40	
Aroclor-1268			497.076	96.4912	E	8.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082
Injected On: 10/26/2017 6:37:26 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: 07PCBS17292005.0044.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		19798	20518
1.553		9806	8448
1.603		35759	59450
1.657		189912	340292
1.765		124713	175171
1.811		49448	79343
1.863		40101	34118
1.891		40038	36419
1.909		37256	35206
1.931		42913	60964
1.951		41568	57855
2		41327	43184
2.021		41425	45922
2.042		32745	37624
2.068		35160	31780
2.1		34982	44174
2.132		66818	108065
2.181		48322	111987
2.224		74659	120020
2.257		32809	32792
2.292		177645	147422
2.31		32114	27288
2.336		16304	9252
2.358		19753	15813
2.409		97235	101445
2.436		23395	14964
2.465		29738	22889
2.484		42081	43380
2.514		16707	13866
2.536		16880	18736
2.571		18977	26494
2.607		13919	9017
2.646		10963	6288
2.661		10633	10841
2.698		11064	6300
2.727		22201	19425
2.747		121179	86985
2.797		15925	24903
2.839		21249	26471
2.865		12026	7630
2.898		22042	24794
2.928		10340	6760
2.951		7554	4895
2.978		15197	12630
3		7764	4681
3.028	TCX	1315922	892938
3.08		14471	8000
3.099		9402	4978
3.117		21226	12442
3.144		9615	7605
3.179		9756	10832
3.228		13895	14424
3.284		23582	33123

RT A	Compound A	Height A	Area A
3.31		7928	3290
3.336		55788	29709
3.351		241810	137881
3.377		12784	8428
3.408		3652	1747
3.43		7923	4768
3.458		10135	10063
3.483		8230	5333
3.503		40813	24488
3.519		48263	26099
3.539		3784	1706
3.556		6978	4326
3.572		5116	2125
3.588		9690	7767
3.619		159015	107625
3.643		6380	3140
3.665		5292	3463
3.69		27664	17952
3.729		9468	10940
3.811		449467	625703
3.85		295975	243883
3.902		71712	52839
3.944		125762	103798
3.972		1140502	802679
4		1271896	843846
4.024		1387578	954171
4.101		595939	431519
4.126		425484	299051
4.158		573276	427624
4.193		517487	456564
4.238		216039	176785
4.267		119554	106569
4.321		167788	138948
4.358		2966251	2154348
4.377		549566	290008
4.403		2007338	1657390
4.443		2784	1748
4.472		1258814	1031827
4.516		4273544	4526364
4.552		2199050	1813659
4.593		318977	234258
4.616		293897	208445
4.659		1297316	1132245
4.712		1543872	1092135
4.728		340797	166301
4.743		261745	135081
4.774		7236649	6308951
4.823		3261216	3595977
4.861		953229	654574
4.881		40617	15020
4.902		8268706	7293962
4.951		488137	424166
4.992		3920343	3679804
5.024		93336	60747
5.051		1905179	1677007
5.104		9509410	7509774
5.12		660968	388114
5.155		1618908	1379812
5.196		5860362	5906063
5.239		415359	283192
5.276		1152521	1422780
5.311		16123260	13884250
5.333		763309	377666
5.351		272577	113590
5.374		5380227	4626753
5.417		3566748	3329811

RT A	Compound A	Height A	Area A
5.517		1408005	1129061
5.538		5390347	4284095
5.595		3153119	2685685
5.634		1890000	1770498
5.675		260816	258667
5.718		2322527	2099851
5.746		264151	168989
5.774		16925220	15866590
5.863		10695	8608
5.883		19500	18780
5.922		5089	2933
5.938		4517	2751
5.98		9717780	8858271
6.013		239728	242745
6.034		1305079	1326489
6.147		83208	61667
6.168		59922	43498
6.198		8756	5911
6.224		212269	157579
6.25		1536229	1352518
6.314		38038	36282
6.354		1962	1047
6.375		36045	23571
6.405		3424629	3151581
6.451		179313	167951
6.476		6577	3022
6.605		597037	542776
6.637		48667	39118
6.723		7396	5368
6.751	DCB	675737	683832
6.787		19866	15049
6.821		9057	7234
6.92		5767	8684
6.99		1925	871
7.02		41058	42877
7.073		5487	4885
7.11		1956	781
7.136		1321	1104
7.23		3114	1786
7.292		6485	7960
7.342		2117	1937
7.408		5490	7860
7.468		2706	1575
7.51		1945	1754
7.55		1804	1035
7.604		2659	2645
7.64		2088	3116
7.681		5124	6645
7.74		1321	573
7.768		2044	1713
7.82		3754	3500
7.847		1464	452
7.915		3442	3861
7.978		11259	17161
8.023		3086	3294
8.05		1477	370
8.089		1707	541
8.105		2427	1378
8.131		1392	408
8.171		3071	3509
8.231		6902	9233
8.278		1632	1016
8.295		1076	349
8.321		7093	10326
8.361		2157	705
8.406		1763	2556

RT A	Compound A	Height A	Area A
8.504		2577	1118
8.547		1530	1292
8.57		984	1538
8.636		1574	1908

LANCASTER LABORATORIES

Sample Number: 9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082
Injected On: 10/26/2017 6:37:26 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: 07PCBS17292005B.0044.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.598		48969	75289
1.661		3480	3210
1.687		4249	4024
1.758		8136	7757
1.788		4316	3345
1.82		7079	10335
1.849		8268	10418
1.88		7784	9370
1.909		18329	25575
1.944		5745	5900
1.973		7325	6100
1.99		25258	22611
2.02		6411	4652
2.039		52987	39914
2.076		74673	60654
2.125		5297	5275
2.17		4249	4460
2.186		4976	4861
2.232		11832	19315
2.279		12078	12487
2.308		5236	3750
2.337		3181	1725
2.354		5005	2777
2.413		3281	3525
2.444		6612	7904
2.491		66633	50594
2.564		3529	3050
2.59		2866	2219
2.619		5158	6443
2.668		7487	7013
2.696		3369	5331
2.746	TCX	693194	492598
2.834		7736	6814
2.894		1638	1078
2.916		6669	4533
2.967		14282	18917
3.002		2753	2222
3.046		174587	173005
3.106		1942	1119
3.146		6619	4480
3.171		3836	3987
3.218		1740	1551
3.243		11705	6152
3.254		15899	7902
3.294		4505	3158
3.316		4666	3288
3.364		132691	97620
3.406		9958	10131
3.453		19517	23473
3.496		2118	1667
3.526		203279	155645
3.545		198941	130131
3.576		179131	122539
3.635		47751	48735

3.668		656206	440413
3.692		686860	398202
3.712		864189	533847
3.745		15487	9035
3.802		381429	268040
3.827		234924	140281
3.848		350936	282039
3.896		307703	272507
3.938		109193	95564
3.982		95350	83873
4.013		117776	70359
4.036		2390595	1751772
4.062		576233	343541
4.083		482247	289437
4.102		603920	390444
4.14		2968587	2301890
4.173		1285233	886579
4.193		407211	231765
4.214		182448	110184
4.239		20579	10135
4.256		213738	176732
4.292		717048	558997
4.316		89635	89951
4.351		1358318	1121000
4.397		245473	295221
4.415		3993514	4241720
4.456		848042	851775
4.51		5589730	5048587
4.549		315063	299199
4.583		1906159	1424194
4.608		1425586	1074348
4.652		7253426	6384480
4.709		176932	140687
4.76		5313863	5329176
4.813		1469647	1411108
4.855		1581621	1459560
4.893		8772826	7887564
4.927		2434784	1869479
4.967		1968990	1687333
5.036		42370	52064
5.071		608888	823091
5.123		3480035	2826466
5.147		1041211	728251
5.198		2160982	1949725
5.233		994385	801597
5.261		696240	577115
5.294		411111	253649
5.316		10262720	8789183
5.358		163137	122648
5.392		259457	228519
5.455		5969	3573
5.509		54770	33245
5.532		1535906	1351270
5.576		6747523	7310268
5.731		139672	127820
5.776		204025	180886
5.802		29172	16651
5.822		119360	82403
5.85		916232	818716
5.891		13765	11238
5.929		20256	12492
5.955		2272218	2023197
5.987		120097	90444
6.037		4421	3699
6.069		3001	3700
6.156		462175	439747
6.315	DCB	532410	521506

6.35	20305	16763
6.444	2580	2151
6.522	58629	82199
6.685	2038	2124
6.758	31398	32654
6.79	5292	4464
6.833	5143	6571
6.941	1378	1621
7.001	2192	2210
7.056	4704	5518
7.112	2897	3570
7.148	1375	1061
7.183	2321	2425
7.26	4779	5800
7.315	1982	2585
7.38	1543	2211
7.426	2678	3213
7.501	1993	2709
7.659	1919	2714
7.765	2995	4072
7.837	2886	4060
7.934	1188	1809
7.992	4832	6476
8.054	3369	4945
8.319	2630	3666
8.395	1657	1317
8.507	20239	46529
8.62	3170	5361

9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082

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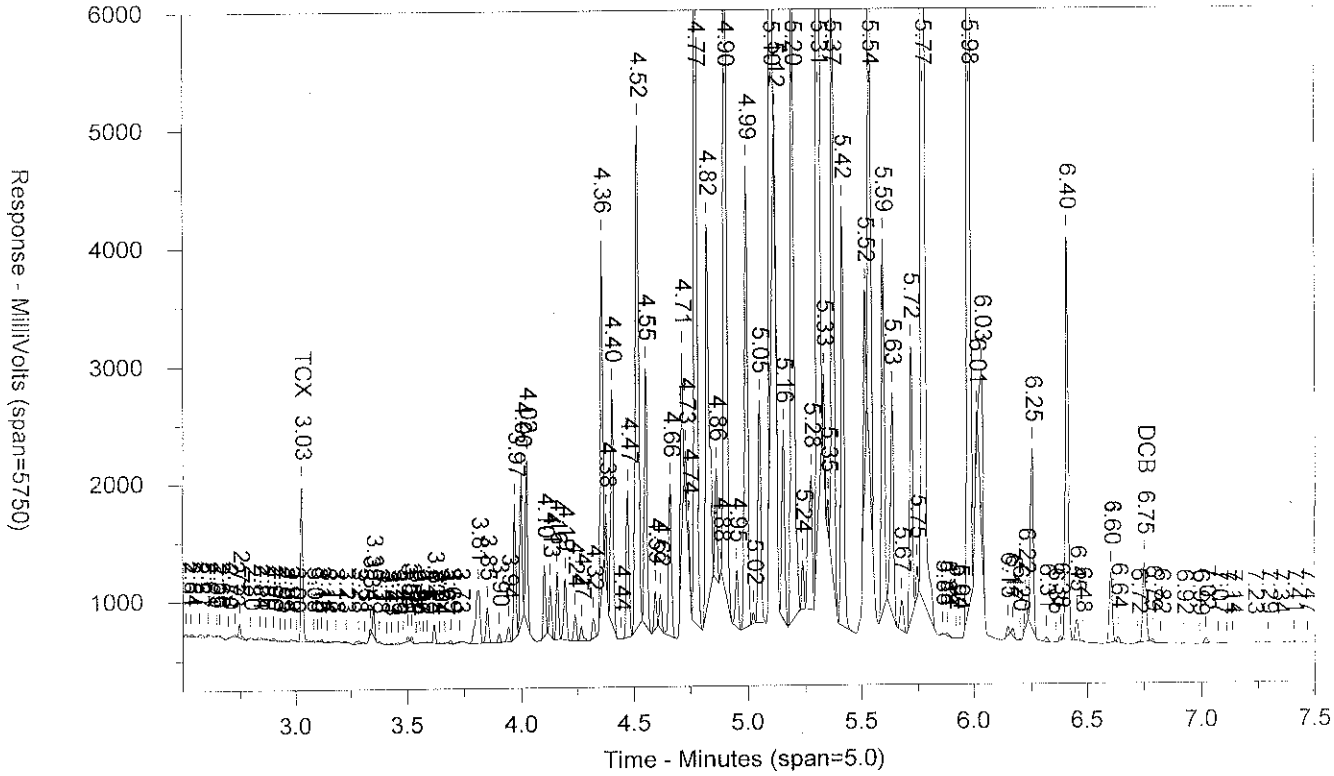

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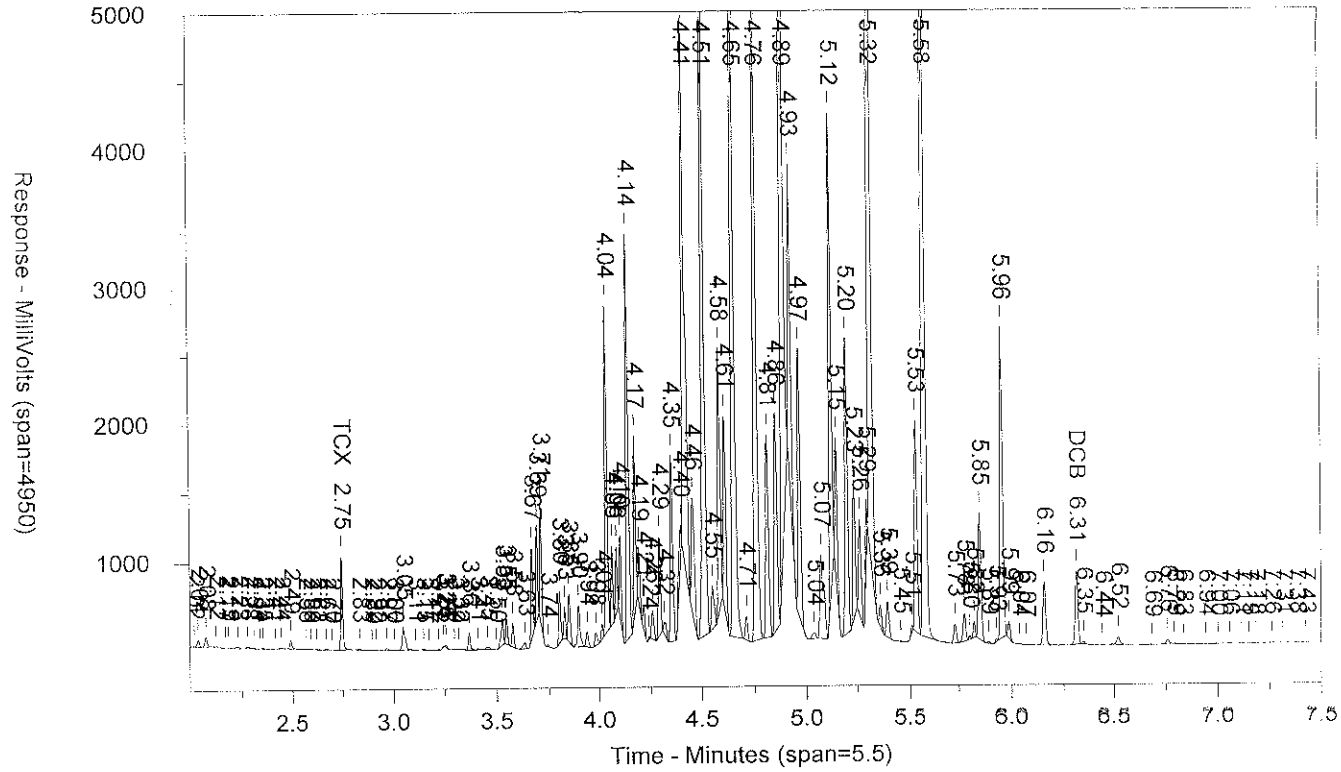

LANCASTER LABORATORIES

Sample Number: 9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082
Injected On: 10/26/2017 6:37:26 AM
Sample Weight: 10.26
Instrument ID: CP7-19843A
Dilution Factor: 100
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1315922	20.199	TCX	2.746	693194	22.258	TCX
6.751	675737	25.805	DCB	6.315	532410	22.49	DCB

Files:
Area File: 07PCBS17292005.0044.RAW
Area File: 07PCBS17292005B.0044.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 6:46:11 AM
File Reported On: 10/26/2017 at 6:46:22 AM

9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082

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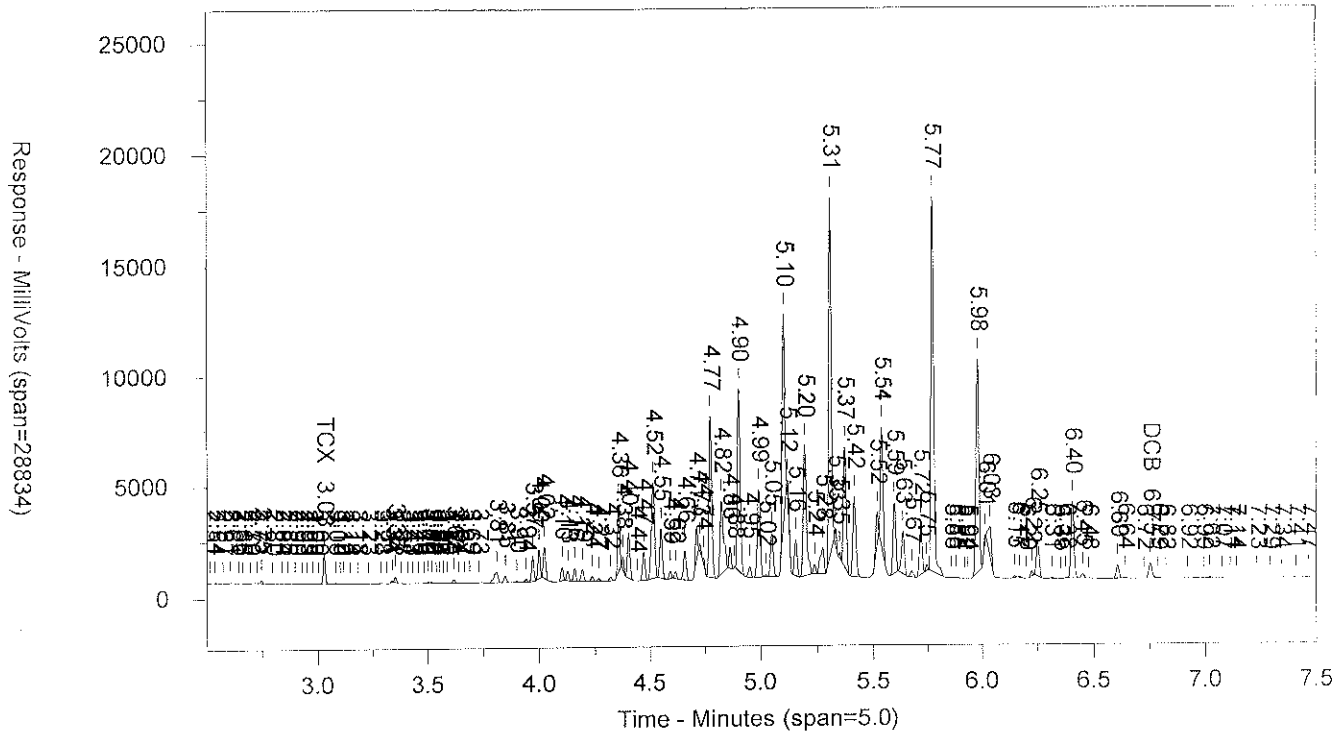

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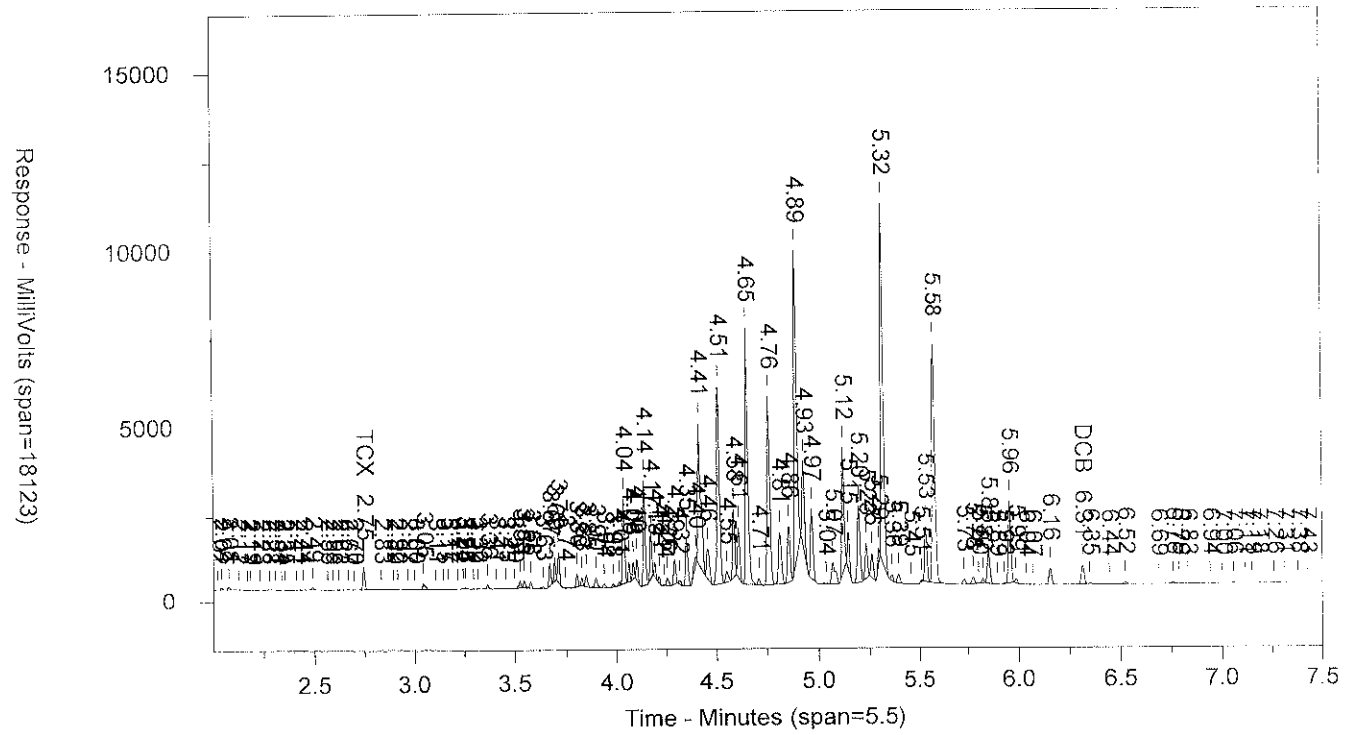

9229561 ACF DF10 AE04A12 T 172860014A 10225 SW-846 8082

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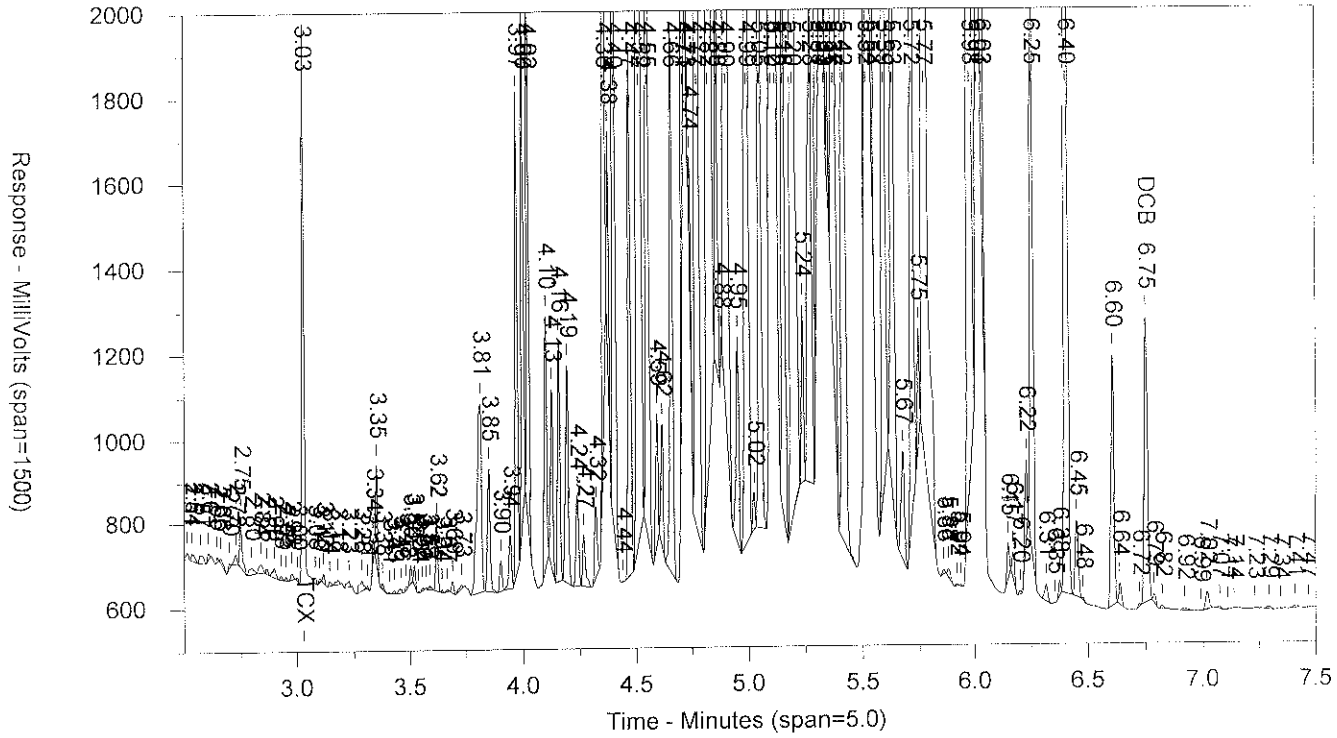

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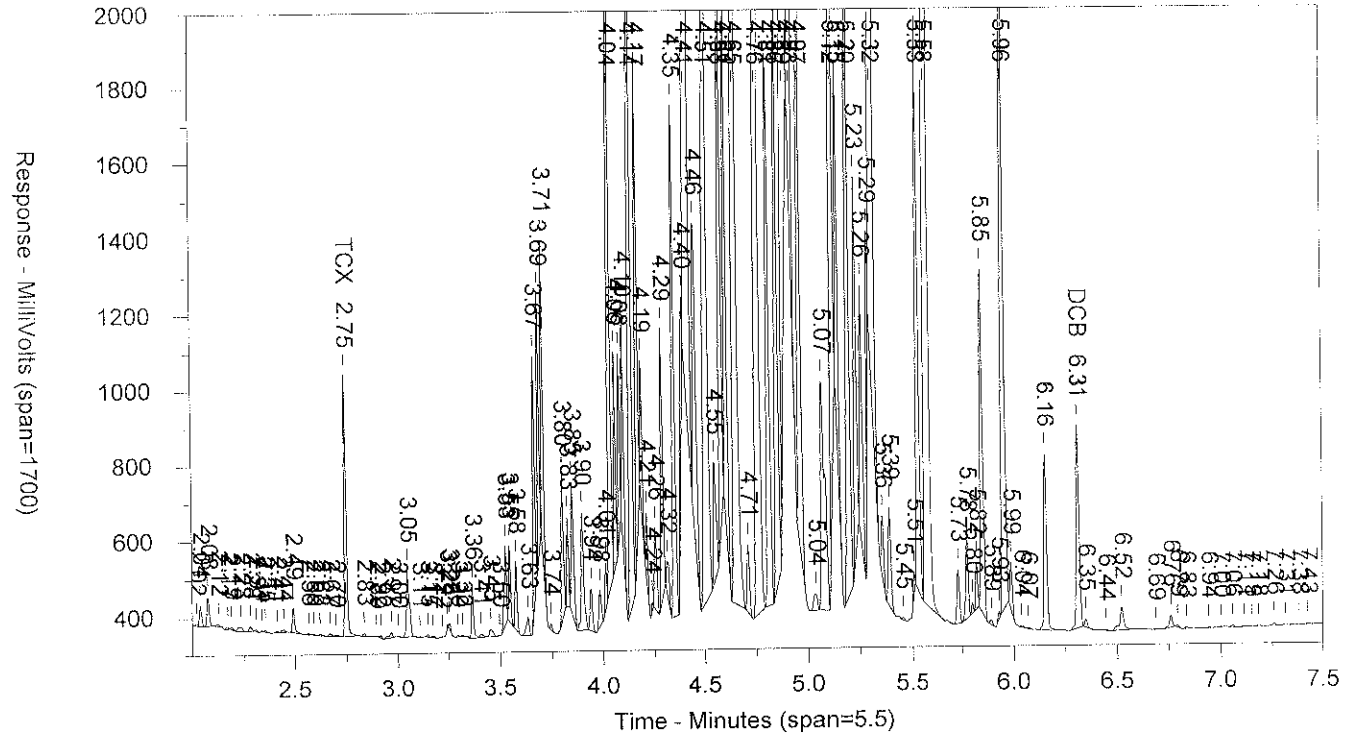

Standards Data

Polychlorinated Biphenyls (PCBs)

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 48

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	
5 IBLKX1724B	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729199999	10225
6 EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
7 AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1729199999	10225
8 AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1729199999	10225
9 AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1729199999	10225
10 AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1729199999	10225
11 AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1729199999	10225
12 AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1729199999	10225
13 AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
14 AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
15 AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
16 AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
17 AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
18 AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
19 AR5411724C	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
20 AR5421724C	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
21 AR5431724C	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
22 AR5441724C	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
23 AR5451724C	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
24 AR5461724B	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
25 AR6231724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
26 AR6831724B	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
27 AR2141724A	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
28 AR3241724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
29 AR4241724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
30 AR16XX1724B	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
31 MD16X1724B	31	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
32 IC16X1724C	32	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
33 IC48X1724B	33	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
34 IC54X1724B	34	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
35 BLANKA 10/19/17 CAF	35	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
36 LCSA 10/19/17 CAF	36	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
37 LCSB 10/19/17 CAF	37	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
38 LCSC 10/19/17 CAF	38	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
39 LCSD 10/19/17 CAF	39	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
40 9267748 CAF	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
41 9267749 CAF	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910018A	00174
42 9268116 CAF DF5	42	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	250	1	0	172910018A	00174
43 BLANKA 10/19/17 AF	43	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
44 BLANKB 10/19/17 AF	44	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
45 LOD1 10/19/17 AF	45	CRDL	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
46 LOD2 10/19/17 AF	46	CRDL	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172910019A	
47 AR1641724B	47	CCAL	NY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729199999	10225
48 IBLKX1724B	48	PIBLK	WT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729199999	10225

DB12669 10/19/17

Set-up by: [illegible] Date: 190ct17

10/19/2017

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17299001.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 64

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	1729899999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	
5 IBLKX1724B	5	PIBLK	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729899999	06030
6 EVALX1724A	6	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
7 AR1611724B	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	1	1729899999	06030
8 AR1621724B	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	2	1729899999	06030
9 AR1631724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	3	1729899999	06030
10 AR1641724B	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	4	1729899999	06030
11 AR1651724B	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	5	1729899999	06030
12 AR1661724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	6	1729899999	06030
13 AR4811724C	13	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
14 AR4821724C	14	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
15 AR4831724C	15	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
16 AR4841724C	16	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
17 AR4851724C	17	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
18 AR4861724B	18	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
19 AR5411724C	19	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
20 AR5421724C	20	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
21 AR5431724C	21	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
22 AR5441724C	22	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
23 AR5451724C	23	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
24 AR5461724B	24	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
25 AR4211724A	25	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
26 AR4221724A	26	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
27 AR4231724B	27	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
28 AR4241724A	28	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
29 AR4251724A	29	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
30 AR4261724A	30	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
31 AR6231724A	31	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
32 AR6831724B	32	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
33 AR2141724A	33	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
34 AR3241724A	34	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
35 AR16XX1724B	35	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
36 MD16X1724B	36	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
37 IC16X1724C	37	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
38 IC48X1724B	38	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
39 IC54X1724B	39	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
40 IC42X1724B	40	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	06030
41 9229556 ACF DF5	41	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	50	1	0	172860014A	10225
42 9229556 ACF DF10	42	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	100	1	0	172860014A	10225
43 9265721 RI CAF	43	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.43	10	1	0	172910004A	10736
44 9265735 RI CAF	44	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	10	1	0	172910004A	10736
45 9265959 RI CAF	45	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	10	1	0	172910004A	10736
46 9265961 RI CAF	46	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.08	10	1	0	172910004A	10736
47 9258376 AF	47	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172910005A	13713
48 9258376 AF DF5	48	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	50	1	0	172910005A	13713
49 9258377 AF	49	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172910005A	13713
50 9258377 AF DF5	50	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	50	1	0	172910005A	13713

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17299001.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 64

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 AR1641724B	51	CCAL	RX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	10225
52 IBLKX1724B	52	PIBLK	BS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729899999	10225
53 9229238R RI ACF DF50	53	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	500	1	0	172890027A	10225
54 9229238R ACF DF100	54	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	1000	1	0	172890027A	10225
55 9229238RDUP RI ACF DF50	55	DUP	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	500	1	0	172890027A	10225
56 9229238RDUP ACF DF100	56	DUP	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	1000	1	0	172890027A	10225
57 9229258R RI ACF DF50	57	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172890027A	10225
58 9229258R ACF DF100	58	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	1000	1	0	172890027A	10225
59 9229258RDUP RI ACF DF50	59	DUP	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172890027A	10225
60 9229258RDUP ACF DF100	60	DUP	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	1000	1	0	172890027A	10225
61 9233689 RI ACF DF500	61	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	5000	1	0	172890027A	10225
62 9233689 ACF DF1000	62	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	10000	1	0	172890027A	10225
63 AR1641724B	63	CCAL	RY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729899999	10225
64 IBLKX1724B	64	PIBLK	BT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729899999	10225

2301 10/26/17

Set-up by: 2855 Date: 26 Oct 17

10/26/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07pcbs17292002.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 78

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
5 AR1641724B	5	CCAL	OQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
6 IBLKX1724B	6	PIBLK	XM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
7 AR4211724A	7	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
8 AR4221724A	8	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
9 AR4231724B	9	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
10 AR4241724A	10	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
11 AR4251724A	11	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
12 AR4261724A	12	ICAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
13 IC42X1724B	13	CCAL	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	06030
14 AR1641724B	14	CCAL	OR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
15 IBLKX1724B	15	PIBLK	XN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
16 BLANKA 10/15/17 RI CAF	16	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
17 LCSA 10/15/17 RI CAF	17	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
18 LCSDA 10/15/17 RI CAF	18	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172860017A	06030
19 9232655R RI CAF	19	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	172860017A	06030
20 9234362R RI CAF	20	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172860017A	06030
21 9237232R RI CAF	21	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172860017A	06030
22 9239553R RI CAF	22	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172860017A	06030
23 9261908 RI CAF	23	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172860017A	06030
24 9262220 RI CAF	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	267	2	1	0	172860017A	06030
25 9262243 RI CAF	25	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	229	2	1	0	172860017A	06030
26 AR1641724B	26	CCAL	OS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
27 IBLKX1724B	27	PIBLK	XO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
28 BLANKA 10/14/17 RI CAF	28	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
29 LCSA 10/14/17 RI CAF	29	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
30 LCSDA 10/14/17 RI CAF	30	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172850037A	06030
31 9255920 RI CAF	31	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	996	10	1	0	172850037A	06030
32 9255921 RI CAF	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1028	10	1	0	172850037A	06030
33 9257649 RI CAF	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	961	10	1	0	172850037A	06030
34 9258217 RI CAF	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	100	10	1	0	172850037A	06030
35 9259923 RI CAF	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	961	10	1	0	172850037A	06030
36 9259925 RI CAF	36	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	967	10	1	0	172850037A	06030
37 BLANKA 10/13/17 RI CAF	37	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
38 AR1641724B	38	CCAL	OT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
39 IBLKX1724B	39	PIBLK	XP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
40 LCSA 10/13/17 RI CAF	40	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
41 LCSDA 10/13/17 RI CAF	41	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172850045A	06030
42 9256122 RI CAF	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172850045A	06030
43 9256244 RI CAF	43	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	172850045A	06030
44 9256344 RI CAF	44	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	259	2	1	0	172850045A	06030
45 CONDITIONER	45	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	
46 9259086 RI CAF	46	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	230	2	1	0	172850045A	06030
47 9259171 RI CAF	47	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172850045A	06030
48 BLANKA 10/17/17 AF	48	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
49 LCSA 10/17/17 AF	49	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
50 AR1641724B	50	CCAL	OU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225

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CHROM PERFECT SEQUENCE FILE

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7
Number of Entries: 78

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 IBLKX1724B	51	PIBLK	XQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
52 LCSDA 10/17/17 AF	52	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900015A	06030
53 9263063 RI AF	53	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172900015A	06030
54 9263377 RI AF	54	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	231	2	1	0	172900015A	06030
55 9264972 RI AF	55	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900015A	06030
56 BLANKA 10/19/17 AF	56	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
57 LCSA 10/19/17 AF	57	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
58 LCSDA 10/19/17 AF	58	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172920016A	06030
59 9266095 AF	59	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	243	2	1	0	172920016A	06030
60 9266096 AF	60	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172920016A	06030
61 9266097 AF	61	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	240	2	1	0	172920016A	06030
62 AR1641724B	62	CCAL	OV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
63 IBLKX1724B	63	PIBLK	XR	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
64 9268119 AF	64	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	267	2	1	0	172920016A	06030
65 9268132 AF	65	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	266	2	1	0	172920016A	06030
66 9269964 AF	66	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172920016A	06030
67 9270404 AF	67	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172920016A	06030
68 BLANKA 10/18/17 AF	68	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
69 LCSA 10/18/17 AF	69	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
70 LCSDA 10/18/17 AF	70	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	172910026A	06030
71 9264840 RI AF	71	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1001	10	1	0	172910026A	06030
72 9265124 RI AF	72	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1019	10	1	0	172910026A	06030
73 9265126 RI AF	73	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1011	10	1	0	172910026A	06030
74 AR1641724B	74	CCAL	OW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
75 IBLKX1724B	75	PIBLK	XS	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225
76 9266094 RI AF	76	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1069	10	1	0	172910026A	06030
77 AR1641724B	77	CCAL	OX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729499999	10225
78 IBLKX1724B	78	PIBLK	XT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729499999	10225

10/23/17

Set-up by: 72855 Date: 22OCT17

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292003.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 122

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	
5 AR1641724B	5	CCAL	OY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
6 IBLKX1724B	6	PIBLK	YH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
7 BLANKA 10/23/17 CAF	7	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
8 LCSA 10/23/17 CAF	8	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
9 LCSDA 10/23/17 CAF	9	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930025A	06030
10 9271960 CAF	10	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930025A	06030
11 9271961 CAF	11	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930025A	06030
12 9271962 CAF	12	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
13 9271963 CAF	13	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
14 9271964 CAF	14	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930025A	06030
15 9271965 CAF	15	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930025A	06030
16 9271966 CAF	16	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	172930025A	06030
17 AR1641724B	17	CCAL	OZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
18 IBLKX1724B	18	PIBLK	YI	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
19 9271967 CAF	19	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930025A	06030
20 9271968 CAF	20	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	227	2	1	0	172930025A	06030
21 9271969 CAF	21	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	214	2	1	0	172930025A	06030
22 BLANKA 10/23/17 CAF	22	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930024A	06030
23 LCSA 10/23/17 CAF	23	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930024A	06030
24 9271950 CAF	24	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	242	2	1	0	172930024A	06030
25 9271951MS CAF	25	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	241	2	1	0	172930024A	06030
26 9271952MSD CAF	26	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930024A	06030
27 9271953 CAF	27	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	215	2	1	0	172930024A	06030
28 9271954 CAF	28	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930024A	06030
29 AR1641724B	29	CCAL	PA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
30 IBLKX1724B	30	PIBLK	YJ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
31 9271955 CAF	31	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930024A	06030
32 9271956 CAF	32	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	213	2	1	0	172930024A	06030
33 9271957 CAF	33	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	245	2	1	0	172930024A	06030
34 9271958 CAF	34	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	226	2	1	0	172930024A	06030
35 9271959 CAF	35	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172930024A	06030
36 BLANKA 10/19/17 AF	36	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
37 LCSA 10/19/17 AF	37	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
38 LCSDA 10/19/17 AF	38	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	5	1	0	172910016A	10591
39 8980214 RI AF	39	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	5	1	0	172910016A	10591
40 8980215 RI AF	40	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	5	1	0	172910016A	10591
41 AR1641724B	41	CCAL	PB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
42 IBLKX1724B	42	PIBLK	YK	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
43 8980216 RI AF	43	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	5	1	0	172910016A	10591
44 8980217 RI AF	44	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	5	1	0	172910016A	10591
45 BLANKA 10/20/17 AF	45	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930002A	10591
46 LCSA 10/20/17 AF	46	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172930002A	10591
47 9267619 RI AF	47	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
48 9267620MS AF	48	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
49 9267621MSD AF	49	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
50 9270449 RI AF	50	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591

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Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292003.seq
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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7
Number of Entries: 122

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9272426 RI AF	51	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
52 9272429 RI AF	52	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172930002A	10591
53 AR1641724B	53	CCAL	PC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
54 IBLKX1724B	54	PIBLK	YL	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
55 9272430 RI AF	55	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172930002A	10591
56 9272431 RI AF	56	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172930002A	10591
57 BLANKA 10/17/17 AF	57	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
58 LCSA 10/17/17 AF	58	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
59 LCSDA 10/17/17 AF	59	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172900010A	10591
60 9256033 RI AF	60	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172900010A	10591
61 9256044 RI AF	61	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900010A	10591
62 9265024 RI AF	62	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	248	2	1	0	172900010A	10591
63 9265025 RI AF	63	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	246	2	1	0	172900010A	10591
64 9265026 RI AF	64	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	244	2	1	0	172900010A	10591
65 AR1641724B	65	CCAL	PD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
66 IBLKX1724B	66	PIBLK	YM	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
67 9265027 RI AF	67	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172900010A	10591
68 9265028 RI AF	68	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	249	2	1	0	172900010A	10591
69 BLANKA 10/14/17 ACF	69	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172860014A	10225
70 LCSA 10/14/17 ACF	70	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172860014A	10225
71 AR1641724B	71	CCAL	PE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
72 IBLKX1724B	72	PIBLK	YN	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
73 9229546 ACF DF50	73	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.4	500	1	0	172860014A	10225
74 9229547 ACF DF10	74	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172860014A	10225
75 9229548 ACF DF20	75	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.21	200	1	0	172860014A	10225
76 9229550 ACF DF10	76	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.14	100	1	0	172860014A	10225
77 9229551MS ACF DF10	77	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172860014A	10225
78 9229552MSD ACF DF10	78	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.34	100	1	0	172860014A	10225
79 9229553 ACF DF10	79	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	100	1	0	172860014A	10225
80 9229554 ACF DF50	80	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172860014A	10225
81 9229555 ACF DF5	81	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	50	1	0	172860014A	10225
82 9229556 ACF DF100	82	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	1000	1	0	172860014A	10225
83 9229557 RI ACF	83	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	10	1	0	172860014A	10225
84 9229558 ACF DF50	84	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172860014A	10225
85 9229559 ACF DF20	85	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.19	200	1	0	172860014A	10225
86 9229560 ACF DF10	86	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.02	100	1	0	172860014A	10225
87 9229561 ACF DF200	87	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	2000	1	0	172860014A	10225
88 9239049 ACF DF50	88	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.05	500	1	0	172860014A	10225
89 9239052 ACF DF100	89	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	1000	1	0	172860014A	10225
90 9239052 ACF DF200	90	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.04	2000	1	0	172860014A	10225
91 9239055 ACF DF20	91	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	200	1	0	172860014A	10225
92 BLANKA 10/17/17 ACF	92	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172890027A	10225
93 AR1641724B	93	CCAL	PF	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
94 IBLKX1724B	94	PIBLK	YO	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
95 LCSA 10/17/17 ACF	95	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10	10	1	0	172890027A	10225
96 9229238R ACF DF10	96	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	100	1	0	172890027A	10225
97 9229238RDUP ACF DF10	97	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	100	1	0	172890027A	10225
98 9229258R ACF DF10	98	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	100	1	0	172890027A	10225
99 9229258RDUP ACF DF10	99	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	100	1	0	172890027A	10225
100 9229259R ACF DF100	100	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	1000	1	0	172890027A	10225

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 122

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101 9229259RDUP ACF DF100	101	DUP	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	1000	1	0	172890027A	10225
102 9229549 ACF DF20	102	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	200	1	0	172890027A	10225
103 9233682 ACF DF20	103	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.35	200	1	0	172890027A	10225
104 9233683 ACF DF20	104	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.25	200	1	0	172890027A	10225
105 9233684 ACF DF5	105	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.03	50	1	0	172890027A	10225
106 9233685 ACF DF10	106	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	100	1	0	172890027A	10225
107 9233685MS ACF DF10	107	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.01	100	1	0	172890027A	10225
108 9233685MSD ACF DF10	108	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	100	1	0	172890027A	10225
109 9233686 ACF DF5	109	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.06	50	1	0	172890027A	10225
110 9233687 ACF DF5	110	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.43	50	1	0	172890027A	10225
111 9233688 ACF DF20	111	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.01	200	1	0	172890027A	10225
112 9233689 ACF DF100	112	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	1000	1	0	172890027A	10225
113 9233689 ACF DF200	113	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	2000	1	0	172890027A	10225
114 9233690 ACF DF5	114	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.28	50	1	0	172890027A	10225
115 AR1641724B	115	CCAL	PG	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
116 IBLKX1724B	116	PIBLK	YP	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225
117 9233691 ACF DF5	117	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.22	50	1	0	172890027A	10225
118 9233692 ACF DF100	118	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	1000	1	0	172890027A	10225
119 9233692 ACF DF200	119	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.17	2000	1	0	172890027A	10225
120 9233693 ACF DF20	120	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.39	200	1	0	172890027A	10225
121 AR1641724B	121	CCAL	PH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729599999	10225
122 IBLKX1724B	122	PIBLK	YQ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729599999	10225

DB 12669 10/23/17

Set-up by: 12855 Date: 23OCT17

10/23/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292005.seq

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Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 106

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	1729799999	
2 CONDITIONER	2	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
3 CONDITIONER	3	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
4 CONDITIONER	4	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
5 AR1641724B	5	CCAL	RB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
6 IBLKX1724B	6	PIBLK	AT	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
7 AR4241724A	7	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
8 AR4841724C	8	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
9 AR5441724C	9	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
10 BLANKA 10/25/17 ACF	10	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172970013A	10736
11 LCSA 10/25/17 ACF	11	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172970013A	10736
12 AR1641724B	12	CCAL	RC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
13 IBLKX1724B	13	PIBLK	AU	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
14 9262329 RI ACF	14	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.3	10	1	0	172970013A	10736
15 9262330 RI ACF	15	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.1	10	1	0	172970013A	10736
16 9277819 RI ACF	16	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	5.1	10	1	0	172970013A	10736
17 9277868 RI ACF	17	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.26	10	1	0	172970013A	10736
18 9277868 ACF DF5	18	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.26	50	1	0	172970013A	10736
19 9277868MS ACF	19	MS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.4	10	1	0	172970013A	10736
20 9277868MS ACF DF5	20	MS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.4	50	1	0	172970013A	10736
21 9277868MSD ACF	21	MSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.2	10	1	0	172970013A	10736
22 9277868MSD ACF DF5	22	MSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.2	50	1	0	172970013A	10736
23 9277869 RI ACF	23	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.45	10	1	0	172970013A	10736
24 AR1641724B	24	CCAL	RD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
25 IBLKX1724B	25	PIBLK	AV	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
26 BLANKA 10/16/17 CAF	26	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172860009A	00174
27 LCSA 10/16/17 CAF	27	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172860009A	00174
28 LCSDA 10/16/17 CAF	28	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172860009A	00174
29 9262438 CAF	29	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	50	1	0	172860009A	00174
30 CONDITIONER	30	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
31 9262438 CAF DF5	31	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	250	1	0	172860009A	00174
32 CONDITIONER	32	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
33 9262438 CAF DF10	33	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	500	1	0	172860009A	00174
34 CONDITIONER	34	MISC	AA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	
35 BLANKA 10/25/17 CAF	35	BLK	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172970025A	10227
36 LCSA 10/25/17 CAF	36	LCS	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172970025A	10227
37 LCSDA 10/25/17 CAF	37	LCSD	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	250	2	1	0	172970025A	10227
38 9275758 CAF	38	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	233	2	1	0	172970025A	10227
39 9276334 CAF	39	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	225	2	1	0	172970025A	10227
40 9276336 CAF	40	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	233	2	1	0	172970025A	10227
41 9276338 CAF	41	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	231	2	1	0	172970025A	10227
42 9276340 CAF	42	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	247	2	1	0	172970025A	10227
43 9276342 CAF	43	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	235	2	1	0	172970025A	10227
44 9229561 ACF DF10	44	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	100	1	0	172860014A	10225
45 9229561 ACF DF20	45	T	AG	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.26	200	1	0	172860014A	10225
46 AR1641724B	46	CCAL	RE	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
47 IBLKX1724B	47	PIBLK	AW	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
48 9229238R ACF DF50	48	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.3	500	1	0	172890027A	10225
49 9229238RDUP ACF DF5	49	DUP	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.08	500	1	0	172890027A	10225
50 9229258R ACF DF20	50	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	200	1	0	172890027A	10225

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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: 106

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9229258R ACF DF50	51	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.09	500	1	0	172890027A	10225
52 9229258RDUP ACF DF2	52	DUP	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	200	1	0	172890027A	10225
53 9229258RDUP ACF DF5	53	DUP	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.38	500	1	0	172890027A	10225
54 9229259R ACF DF5	54	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	50	1	0	172890027A	10225
55 9229259R ACF DF10	55	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.32	100	1	0	172890027A	10225
56 9229259RDUP ACF DF5	56	DUP	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	50	1	0	172890027A	10225
57 9229259RDUP ACF DF1	57	DUP	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.41	100	1	0	172890027A	10225
58 9233689 ACF DF500	58	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.15	5000	1	0	172890027A	10225
59 9233687 RI ACF	59	T	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.43	10	1	0	172890027A	10225
60 9233687 RI ACF DF5	60	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	10.43	50	1	0	172890027A	10225
61 AR1641724B	61	CCAL	RF	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
62 IBLKX1724B	62	PIBLK	AX	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
63 BLANKA 10/19/17 AF	63	BLK	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172910005A	13713
64 LCSA 10/19/17 AF	64	LCS	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	10	1	0	172910005A	13713
65 LCSDA 10/19/17 AF	65	LCSD	AB	DEPT-24\ACTIVE\CP7\07PCBS.MET	15	10	1	0	172910005A	13713
66 9258376 AF DF20	66	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	200	1	0	172910005A	13713
67 9258377 AF DF20	67	T	AC	DEPT-24\ACTIVE\CP7\07PCBS.MET	15.2	200	1	0	172910005A	13713
68 BLANKA 10/18/17 CAF	68	BLK	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172910004A	10736
69 LCSA 10/18/17 CAF	69	LCS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30	10	1	0	172910004A	10736
70 AR1641724B	70	CCAL	RG	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
71 IBLKX1724B	71	PIBLK	AY	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
72 9265721 CAF DF5	72	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.43	50	1	0	172910004A	10736
73 9265723 RI CAF	73	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.42	10	1	0	172910004A	10736
74 9265725 RI CAF	74	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.18	10	1	0	172910004A	10736
75 9265725 CAF DF5	75	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.18	50	1	0	172910004A	10736
76 9265727 RI CAF	76	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	10	1	0	172910004A	10736
77 9265729 RI CAF	77	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.26	10	1	0	172910004A	10736
78 9265731 RI CAF	78	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.25	10	1	0	172910004A	10736
79 9265733 CAF DF10	79	T	AF	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.28	100	1	0	172910004A	10736
80 9265735 CAF DF5	80	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	50	1	0	172910004A	10736
81 9265737 RI CAF	81	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.34	10	1	0	172910004A	10736
82 AR1641724B	82	CCAL	RH	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
83 IBLKX1724B	83	PIBLK	AZ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
84 9265739 RI CAF	84	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.32	10	1	0	172910004A	10736
85 9265741 RI CAF	85	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.24	10	1	0	172910004A	10736
86 9265741 CAF DF5	86	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.24	50	1	0	172910004A	10736
87 9265743 RI CAF	87	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	10	1	0	172910004A	10736
88 9265743 CAF DF5	88	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.16	50	1	0	172910004A	10736
89 9265949 RI CAF	89	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.24	10	1	0	172910004A	10736
90 9265949 CAF DF5	90	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.24	50	1	0	172910004A	10736
91 9265951 RI CAF	91	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.12	10	1	0	172910004A	10736
92 9265953 RI CAF	92	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.32	10	1	0	172910004A	10736
93 9265955 RI CAF	93	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.15	10	1	0	172910004A	10736
94 AR1641724B	94	CCAL	RI	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
95 IBLKX1724B	95	PIBLK	BA	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225
96 9265957 RI CAF	96	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.33	10	1	0	172910004A	10736
97 9265959 CAF DF5	97	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.06	50	1	0	172910004A	10736
98 9265961 CAF DF5	98	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.08	50	1	0	172910004A	10736
99 9266015 RI CAF	99	T	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.49	10	1	0	172910004A	10736
100 9266015 CAF DF5	100	T	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.49	50	1	0	172910004A	10736

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP7\07PCBS17292005.seq

Chromatography Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Method Directory: \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7

Number of Entries: 106

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
101	9266016MS CAF	101	MS	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.10	10	1	0	172910004A	10736
102	9266016MS CAF DF5	102	MS	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.19	50	1	0	172910004A	10736
103	9266017MSD CAF	103	MSD	AD	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	10	1	0	172910004A	10736
104	9266017MSD CAF DF5	104	MSD	AE	DEPT-24\ACTIVE\CP7\07PCBS.MET	30.02	50	1	0	172910004A	10736
105	AR1641724B	105	CCAL	RJ	DEPT-24\ACTIVE\CP7\07PCBS.MET	1	1	1	0	1729799999	10225
106	IBLKX1724B	106	PIBLK	BB	DEPT-24\ACTIVE\CP7\07PCBS.MET	1000	10	1	0	1729799999	10225

7300 10/26/17

Set-up by: 2855 Date: 26OCT17

10/26/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.676		56604	253345
1.789		5056	3665
2.044		3317	2559
2.128		48416	118871
2.18		58479	185802
2.247		33423	76857
2.315		75637	108758
2.409		28161	22488
2.426		29513	24035
2.464		5889	6134
2.577		14239	17378
2.873		14392	9731
2.96		16053	15335
3.028	TCX	12862550	8470267
3.229		154092	101206
3.361		38473	30474
3.497		4182	4814
3.599		2853	1646
3.651		2154	1058
3.674		29414	22291
3.728		5061	17796
3.776		2270	2014
3.84		2041	1054
3.855		853	147
3.861		985	235
3.879		2172	1641
3.9		734	236
3.905		1648	399
3.937		1944	1361
3.952		1497	784
4.004		5013	9943
4.047		3971	4769
4.074		1467	613
4.117		1665	567
4.13		1337	665
4.182		1617	678
4.328		1629	396
4.397		3291	6441
4.416		8185	7660
4.452		1332	579
4.513		10556	9229
4.711		17104	18398
4.759		3538	7695
4.836		1967	1153
5.025		52918	48113
5.06		13005	25513
5.119		6973	7434
5.15		1645	838
5.179		1468	462
5.215		5712	4875
5.267		81467	75609
5.327		1719	478
5.351		3934	3346

RT A	Compound A	Height A	Area A
5.476		6527	10134
5.504		998	427
5.542		1361	434
5.588		11445	14984
5.673		62271	58646
5.795		115775	113829
5.976		2276	1699
6.103		2625	2351
6.165		100341	94414
6.229		109200	94475
6.602		55453	55681
6.693		2556	2305
6.748	DCB	5053204	5233899
7.014		1088	402
7.037		1561	454
7.103		1640	444
7.221		5205	3910
7.299		1685	429
7.4		1273	282
7.438		1439	1882
7.504		1282	774
7.534		1273	772
7.601		927	292
7.68		1453	308
7.751		1549	772
7.928		1075	616
8.164		1221	683
8.32		1184	433
8.463		1580	1028
8.553		1404	748
8.57		1584	662
8.584		1491	502
8.631		1082	335
8.651		1446	708

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.628		1809	10284
1.935		2665	20563
2.049		32594	55691
2.127		8979	17490
2.178		11476	10710
2.393		3279	5960
2.676		20772	26332
2.749	TCX	6236777	4507672
2.97		78668	55316
3.088		15068	16325
3.32		6418	7453
3.373		2742	5032
3.433		17531	11923
3.465		3158	2395
3.593		4899	7079
3.64		3722	4639
3.929		2695	6985
4.195		4655	6246
4.246		6563	7051
4.329		6162	5083
4.418		6286	16901
4.496		1826	2270
4.632		33017	30322
4.762		2097	1143
4.779		2689	2035
4.822		3319	3516
4.87		53040	47729
4.942		2653	4868
5.128		3177	4571
5.192		5024	5966
5.237		1655	869
5.273		37709	36257
5.396		78150	72910
5.737		84905	77932
5.805		110717	104326
5.854		28104	25175
6.158		51151	46833
6.318	DCB	4447698	4557729
6.767		3561	3283
6.796		3336	4327
6.959		1353	3853
7.081		1141	895

IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082

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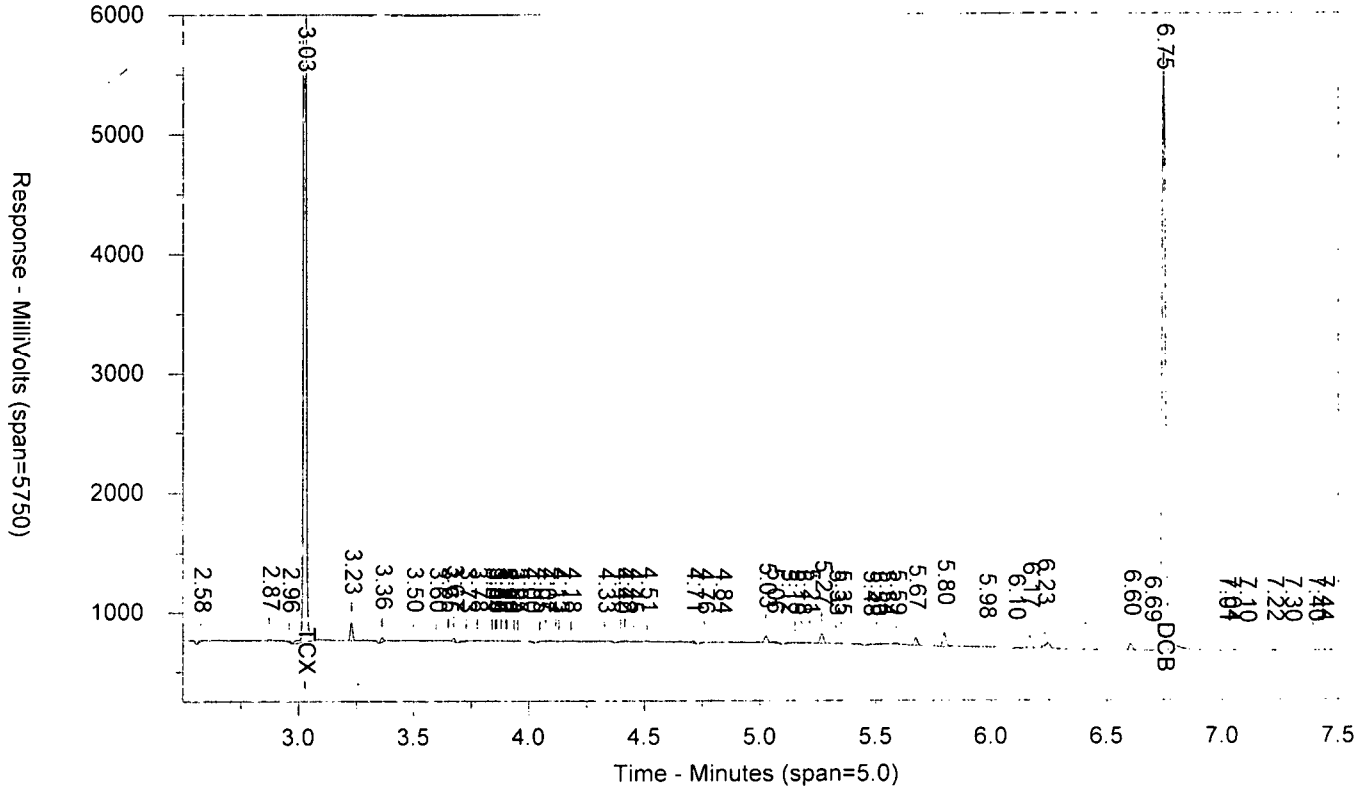

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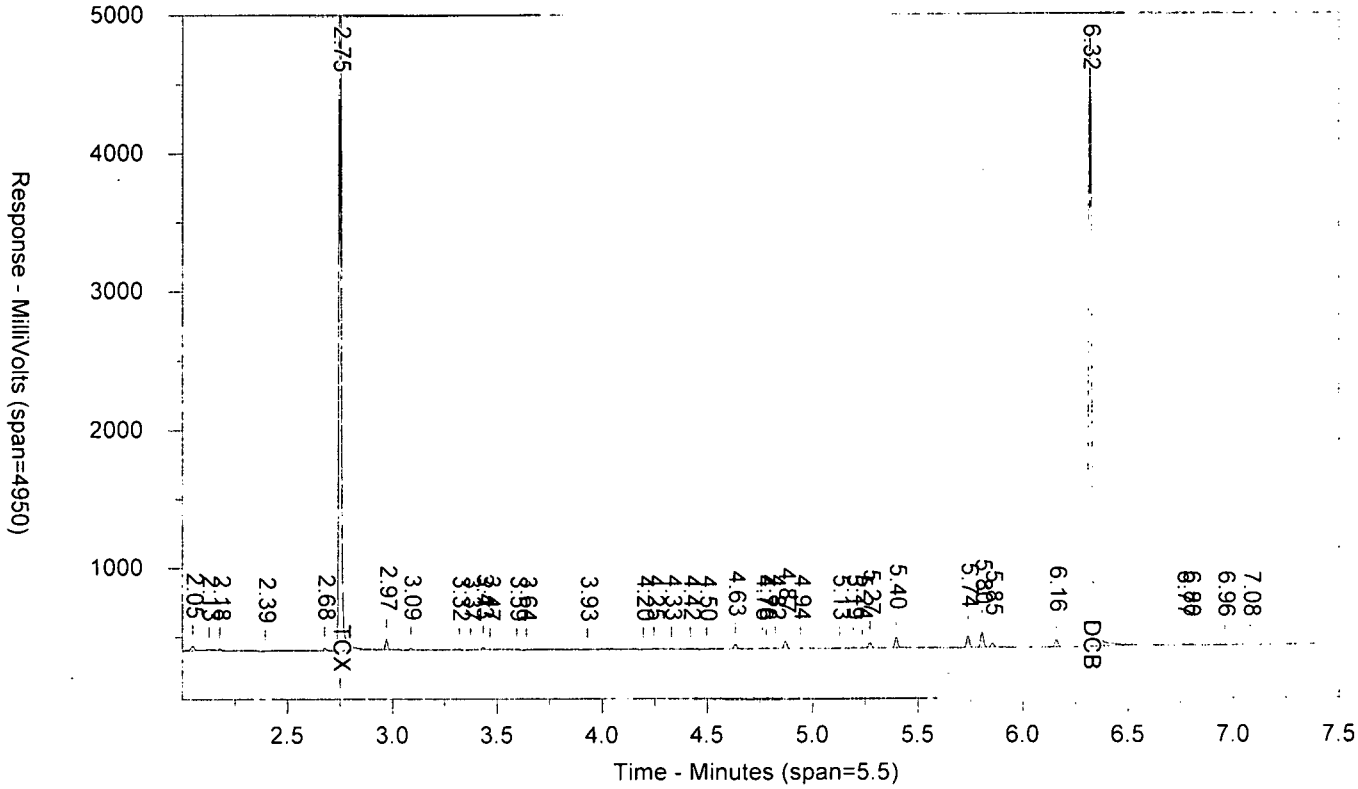

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:19:21 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	12862550	.203	TCX	2.749	6236777	.205	TCX
6.748	5053204	.198	DCB	6.318	4447698	.193	DCB

Files:
Area File: 07PCBS17292001.0005.RAW
Area File: 07PCBS17292001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:28:01 PM
File Reported On: 10/22/2017 at 1:33:14 PM

IBLKX1724B AAPIBLKAA PIBLK1729199999 10225 SW-846 8082

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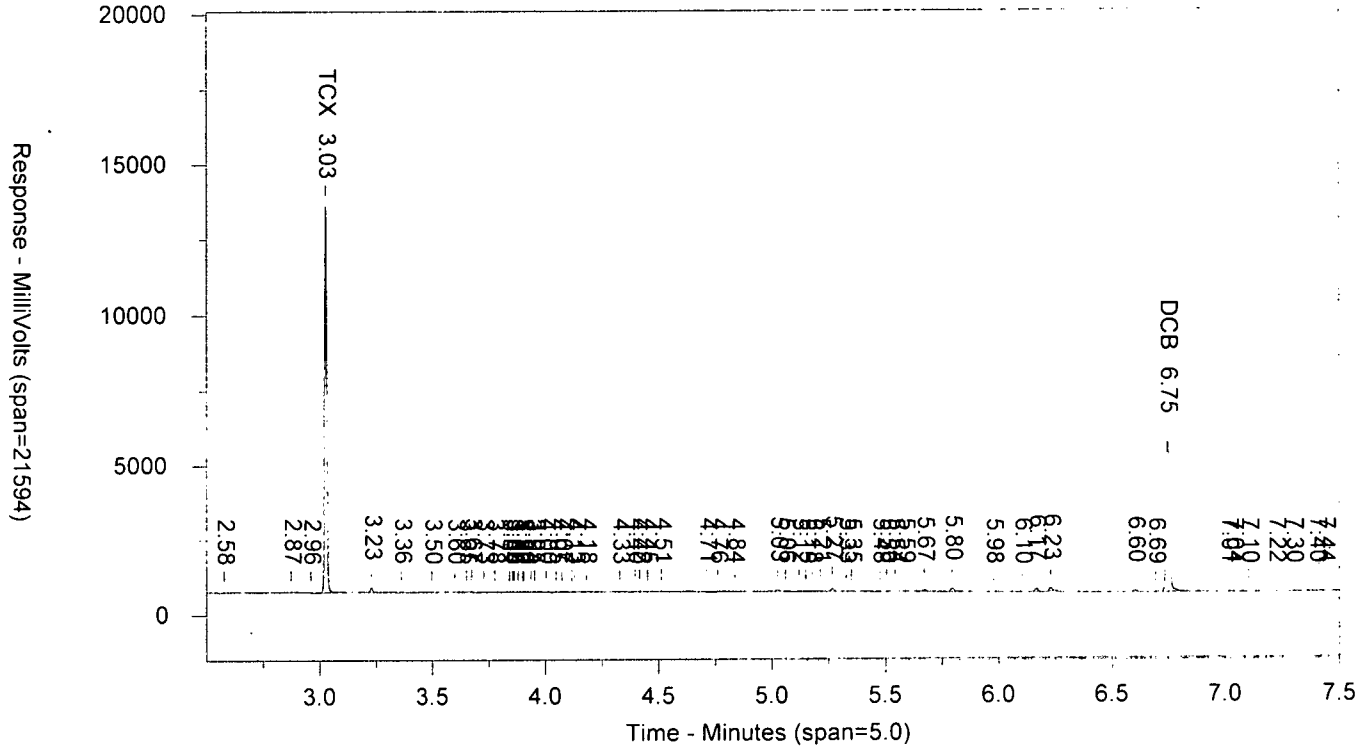

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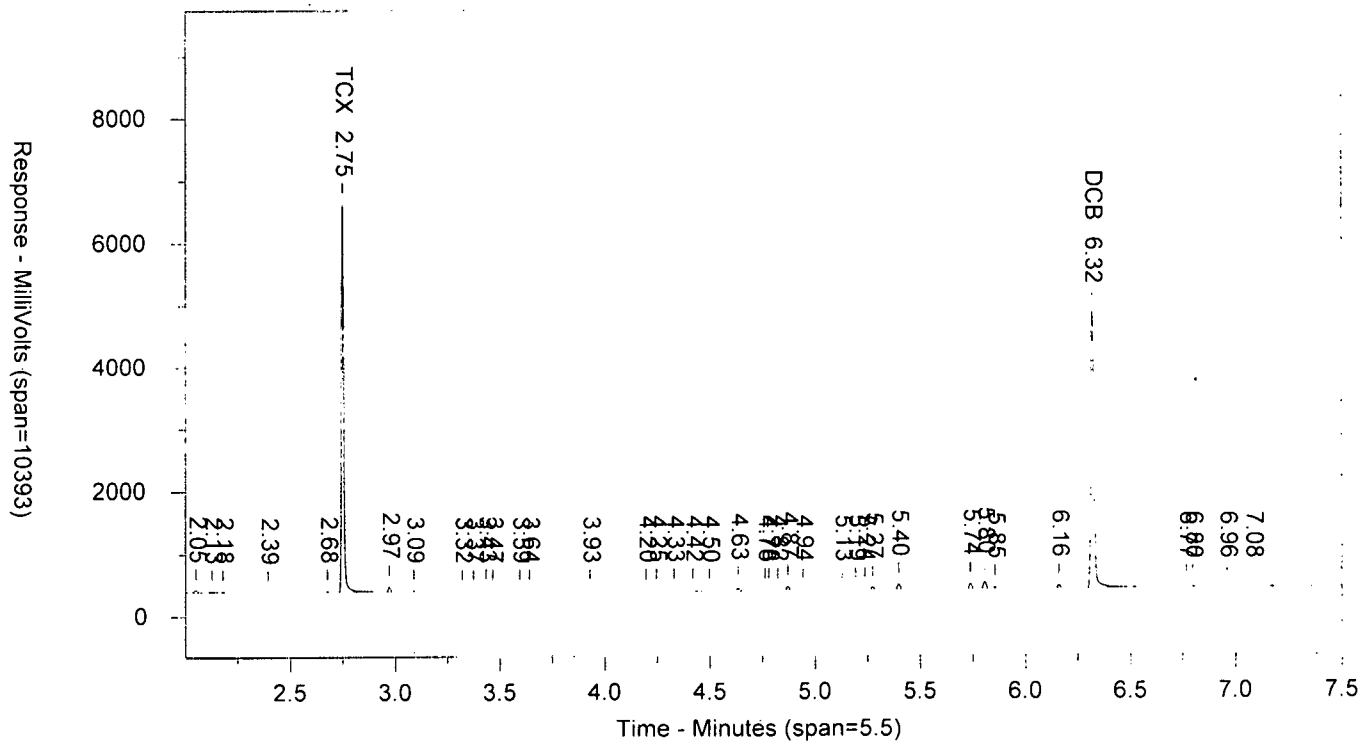

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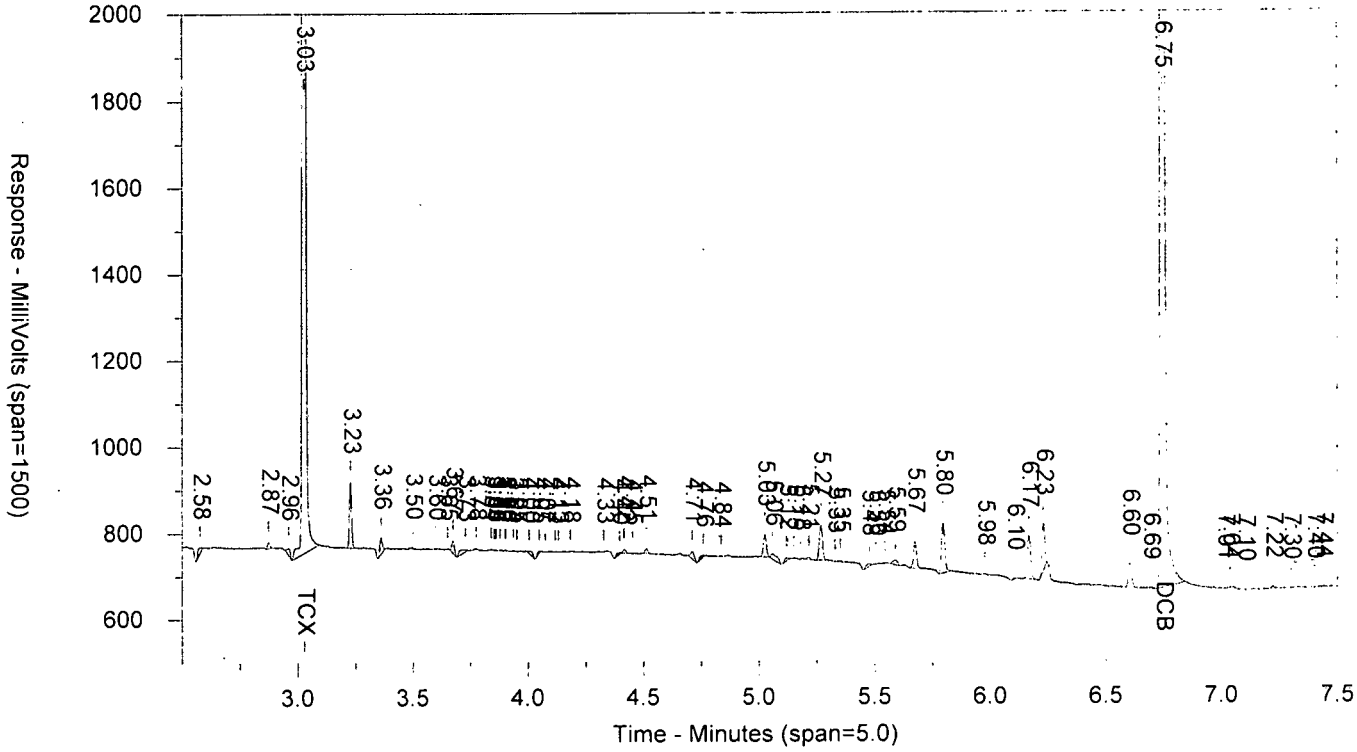

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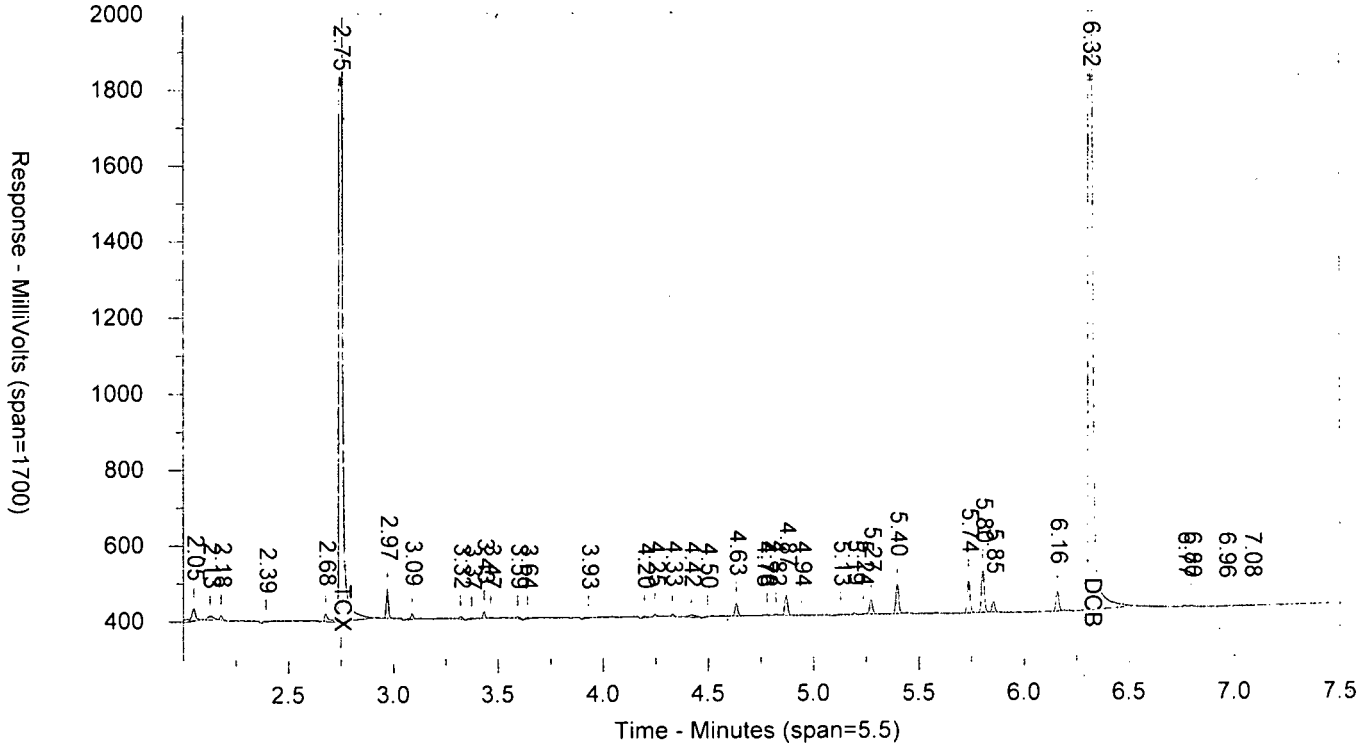

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.556		3921	3816
1.675		7620	119211
1.809		2355	1478
1.976		1684	5513
2.043		3000	2743
2.107		72131	76494
2.146		63731	82493
2.183		113124	265112
2.214		84568	71204
2.24		49100	121960
2.294		41888	47219
2.315		79109	104177
2.409		41859	32568
2.428		140451	95914
2.601		222509	212952
2.641		3878	3190
2.873		69450	58518
3.028	TCX	13079260	8381175
3.116		6079	3953
3.229		150983	98070
3.314		7289637	4631197
3.361		45298	42485
3.416		60096	39104
3.458		3836	2609
3.478		3048	1377
3.513		5505463	3521877
3.547		129588	86575
3.599		9055	6052
3.63		2354206	1511412
3.674		41754	31680
3.71		12792	17249
3.734		5293	3350
3.777		29473	27949
3.81		272258	214151
3.838		16448	10822
3.861		857	213
3.883		9657	7854
3.927		499291	388122
3.958		16420	11648
3.986		12952	8382
4.043		38011	26502
4.081		6802	18057
4.093		2764	1448
4.123		8207	8139
4.179		10742	7178
4.21		123634	93144
4.263		17211	15765
4.298		617128	503421
4.351		56583	77235
4.395		34204	30776
4.418		7433	7316
4.456		2094	1070
4.479		33720	34844

RT A	Compound A	Height A	Area A
4.516		275139	247418
4.603		10444	8404
4.638		25215	24527
4.681		300728	264726
4.714		349611	287076
4.756		4635	7707
4.788		4253	4060
4.844		260056	222560
4.867		5598	3828
4.948		321282	284785
4.991		12788300	11641480
5.02		85038	66997
5.094		350823	324563
5.176		696751	662671
5.217		8703	6389
5.252		441173	513710
5.33		12864660	10989880
5.409		12201	9969
5.472		10445	14319
5.55		836790	743618
5.638		80441	184105
5.69		14914230	13063840
5.745		161675	124600
5.782		1053134	1043104
6.021		2045	1505
6.106		2731	3334
6.165		105393	101511
6.23		141243	168258
6.331		3193	5869
6.397		1896	1068
6.474		2627	1438
6.602		61285	62374
6.695		1768	643
6.748	DCB	5228983	5518930
7.04		4252	7520
7.223		3944	4751
7.448		1232	657
7.554		1481	380
7.619		1713	807
7.807		1131	546
7.919		1244	798
7.951		1686	1716
8.026		1348	869
8.071		1757	839
8.433		1247	395
8.58		1459	717

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.602		8131	14693
1.663		5223	8121
1.838		17800	34477
1.93		18042	84619
2.012		18586	27072
2.048		34680	40445
2.081		4477	3114
2.129		30647	61126
2.178		9146	6832
2.277		62149	43559
2.332		4898	3887
2.403		5992	15801
2.448		101007	70303
2.676		86008	97494
2.749	TCX	6099030	4386855
2.915		3326	2007
2.97		78816	54649
3.026		11425	10606
3.07		2576	3737
3.098		3544631	2280584
3.218		40829	28809
3.256		83154	62630
3.309		2910174	1872603
3.382		13894	14089
3.407		9895	6835
3.433		9347	5250
3.466		4600	2247
3.489		1264197	877866
3.578		32144	19858
3.596		10740	4760
3.616		408694	296922
3.647		6656	3622
3.69		12165	7926
3.71		2910	1353
3.73		11829	9835
3.821		13836	31609
3.845		2075	1319
3.923		369031	353325
3.971		4526	2975
4.003		10126	6711
4.02		17181	11095
4.046		12455	17814
4.12		2509	2389
4.142		7835	4740
4.161		182386	137478
4.199		8770	9799
4.241		12205	11809
4.286		5010	4090
4.324		201304	184288
4.369		4470	3482
4.428		203555	194620
4.486		6274	6144
4.522		2061	1364
4.553		161503	137499

4.62		7972566	7041956
4.659		21432	14373
4.714		269969	287608
4.761		9478	6620
4.829		418219	384423
4.871		29480	19806
4.9		10516090	9092770
4.964		269197	255886
4.995		11494	7994
5.075		12069	9540
5.115		5946	5656
5.193		5086	4907
5.236		381677	389242
5.272		27442	18846
5.338		11121070	10456700
5.395		113701	100915
5.466		5929	5275
5.52		910685	852059
5.573		33634	25932
5.604		3835	8079
5.738		84100	80440
5.805		112916	106090
5.854		26937	25265
6.159		53222	54367
6.319	DCB	4759595	4750898
6.69		1407	1721
6.77		2556	2352
6.8		2840	2739
7.034		1063	243
7.841		1573	40252
8.318		1477	2554

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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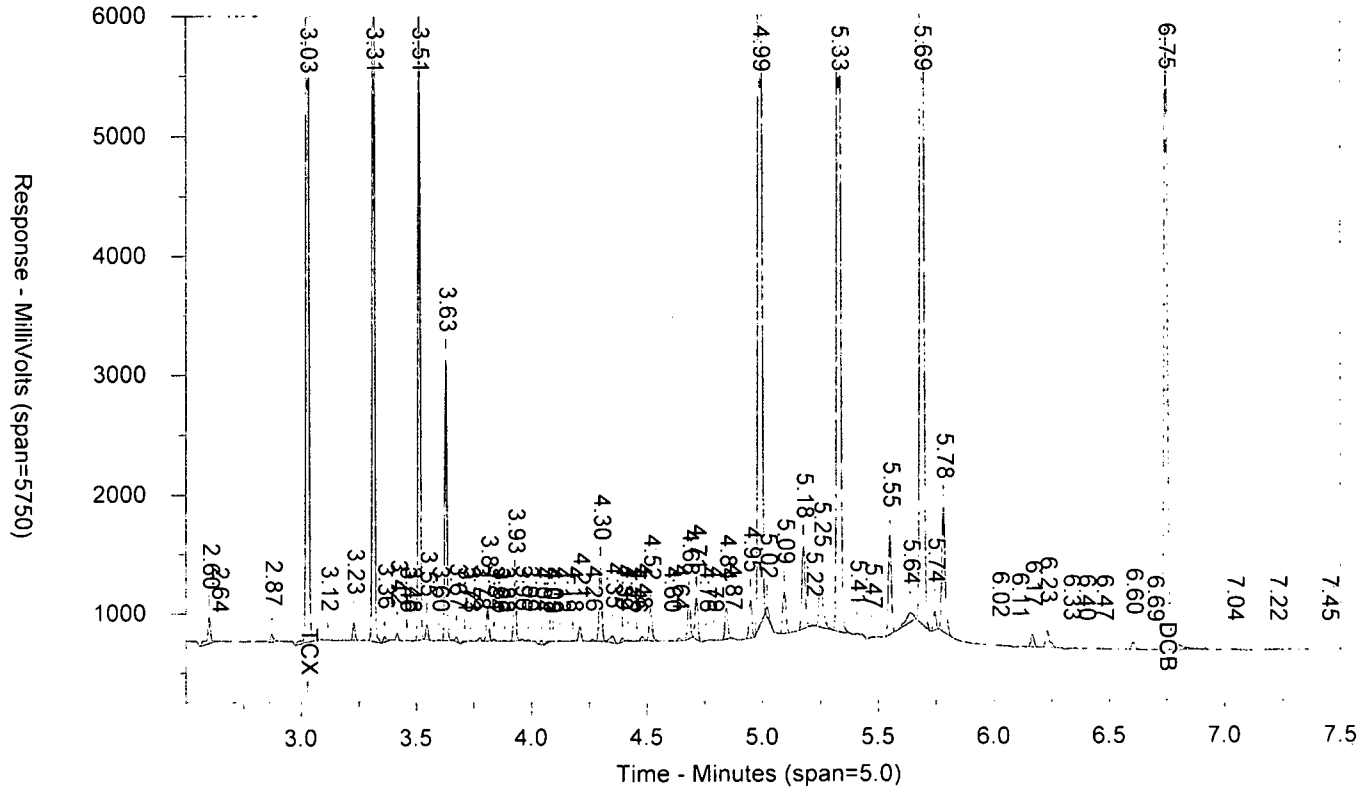

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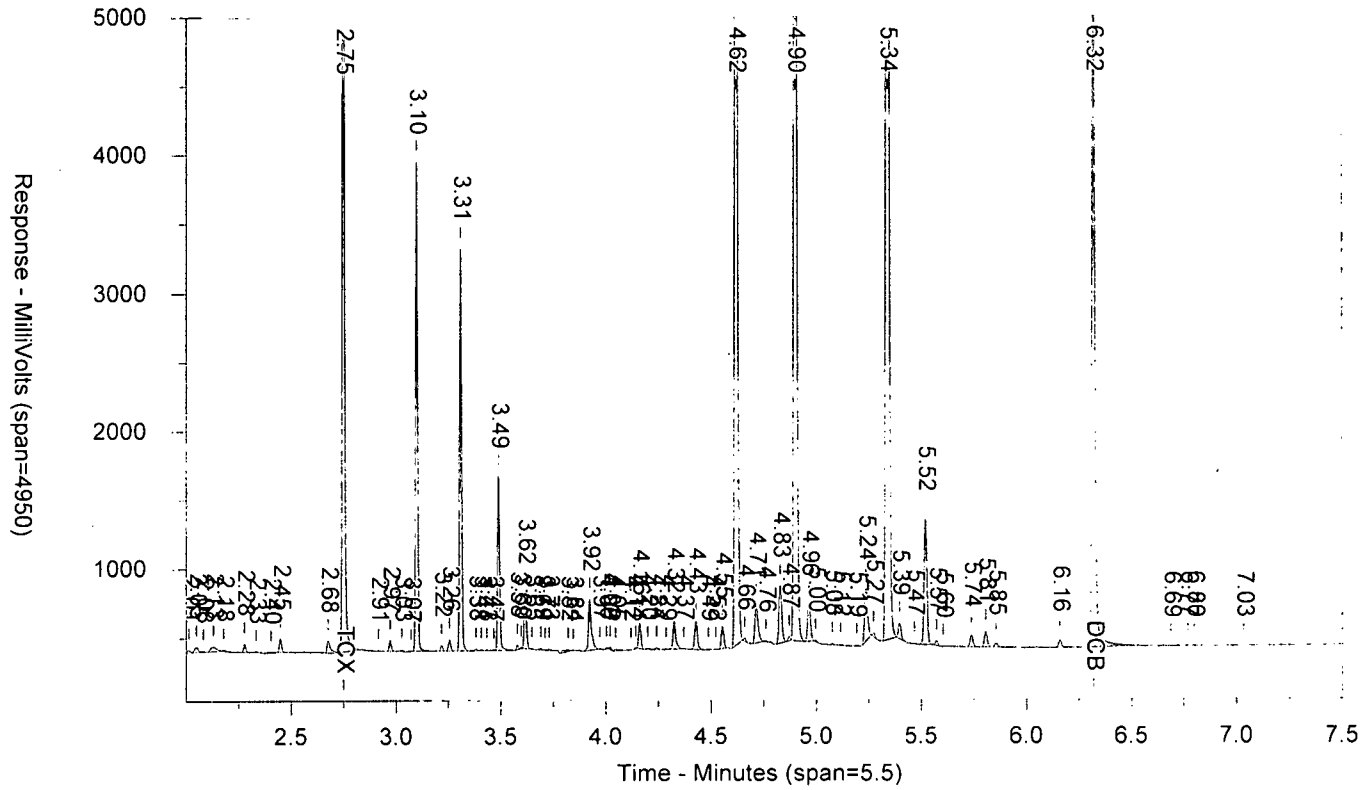

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:30:36 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	13079260	20.599	TCX	2.749	6099030	20.092	TCX
6.748	5228983	20.488	DCB	6.319	4759595	20.628	DCB

Files:
Area File: 07PCBS17292001.0006.RAW
Area File: 07PCBS17292001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:39:14 PM
File Reported On: 10/22/2017 at 1:33:24 PM

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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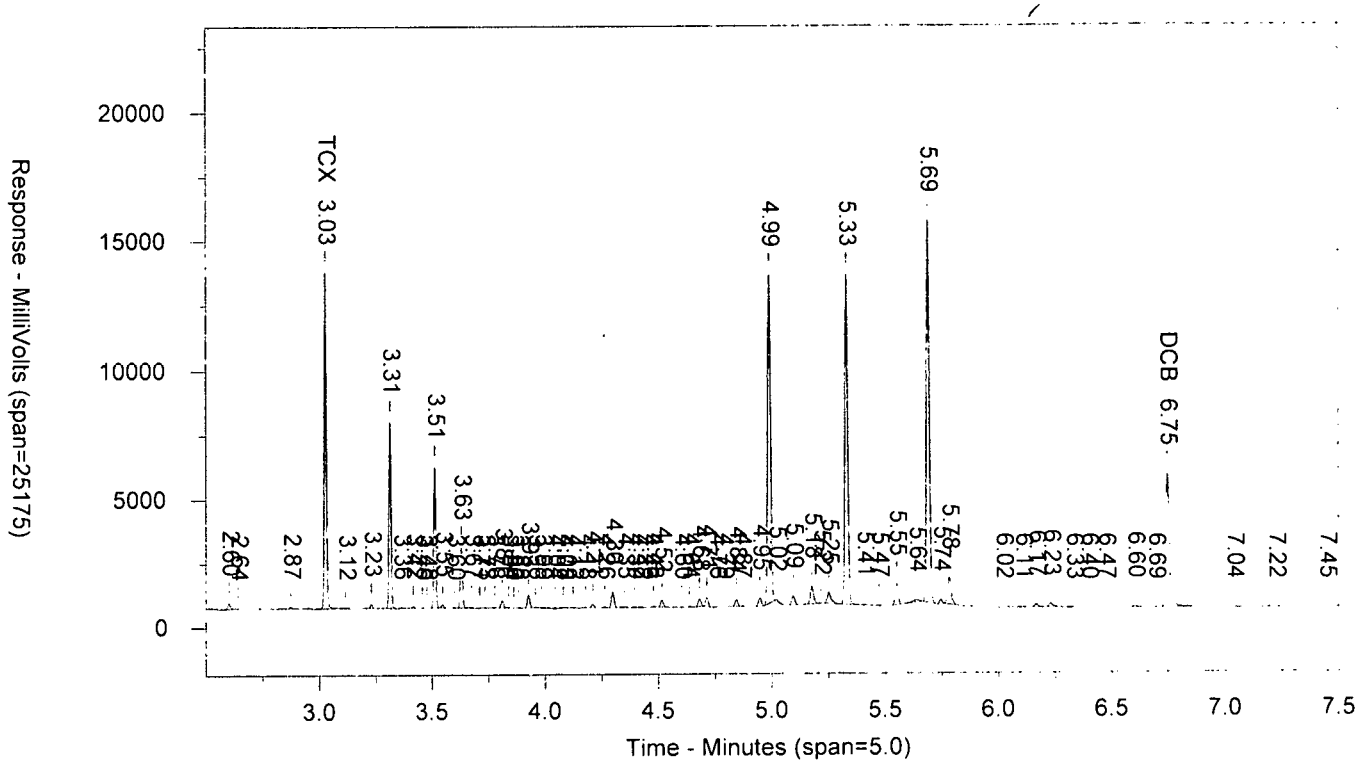

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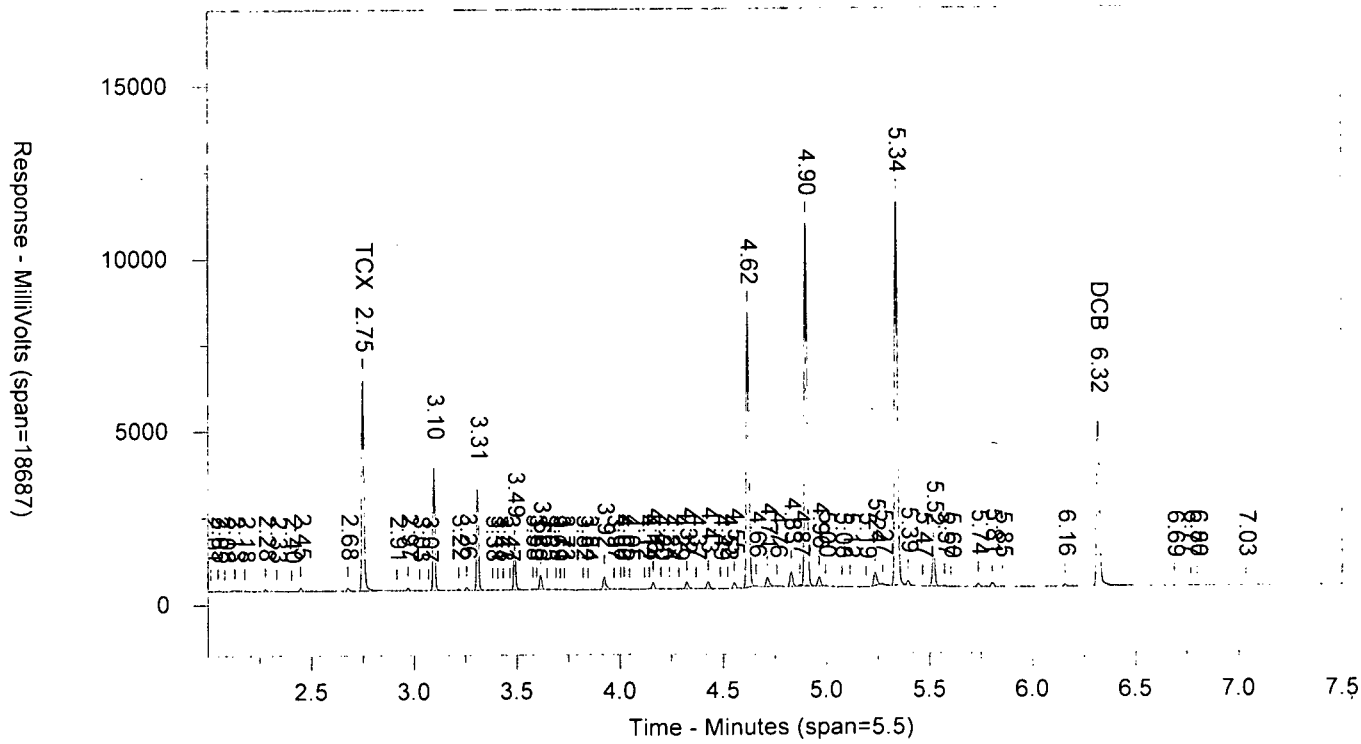

EVALX1724A AAEVALXAA ICAL 1729199999 10225 SW-846 8082

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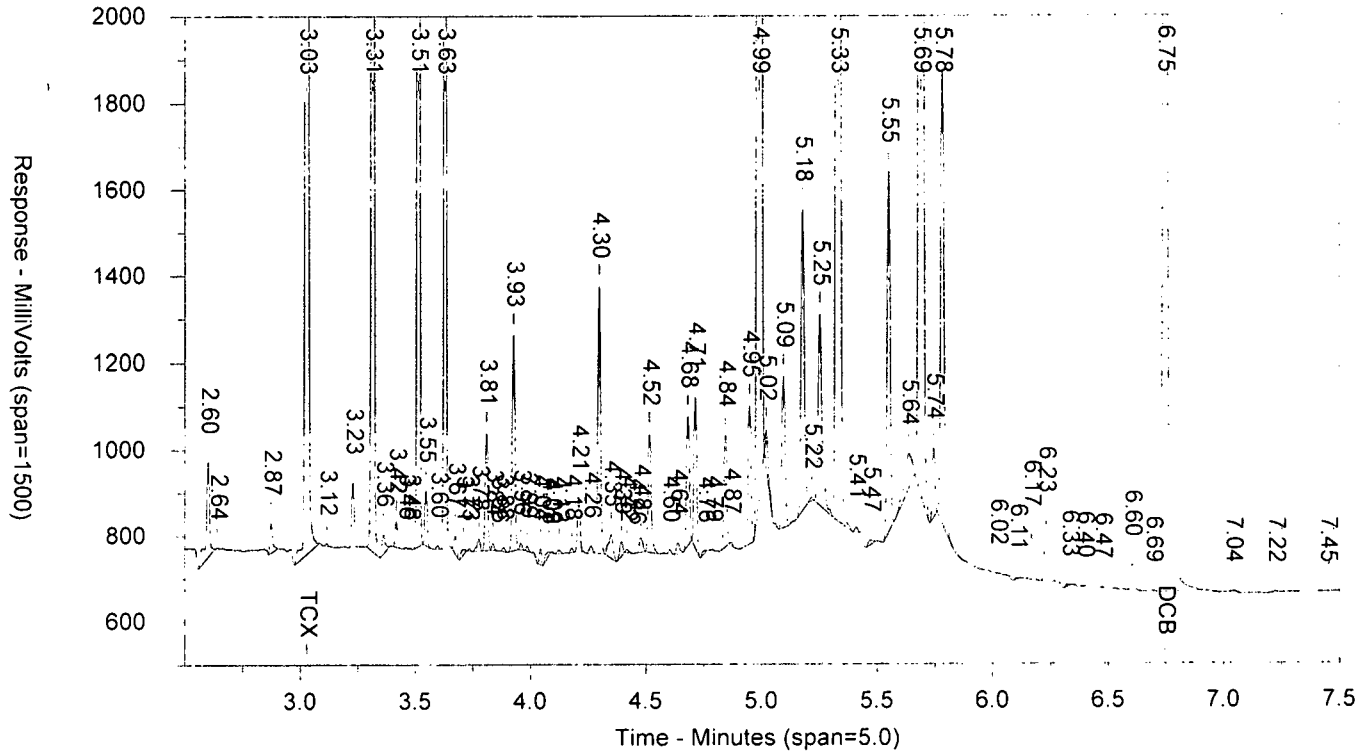

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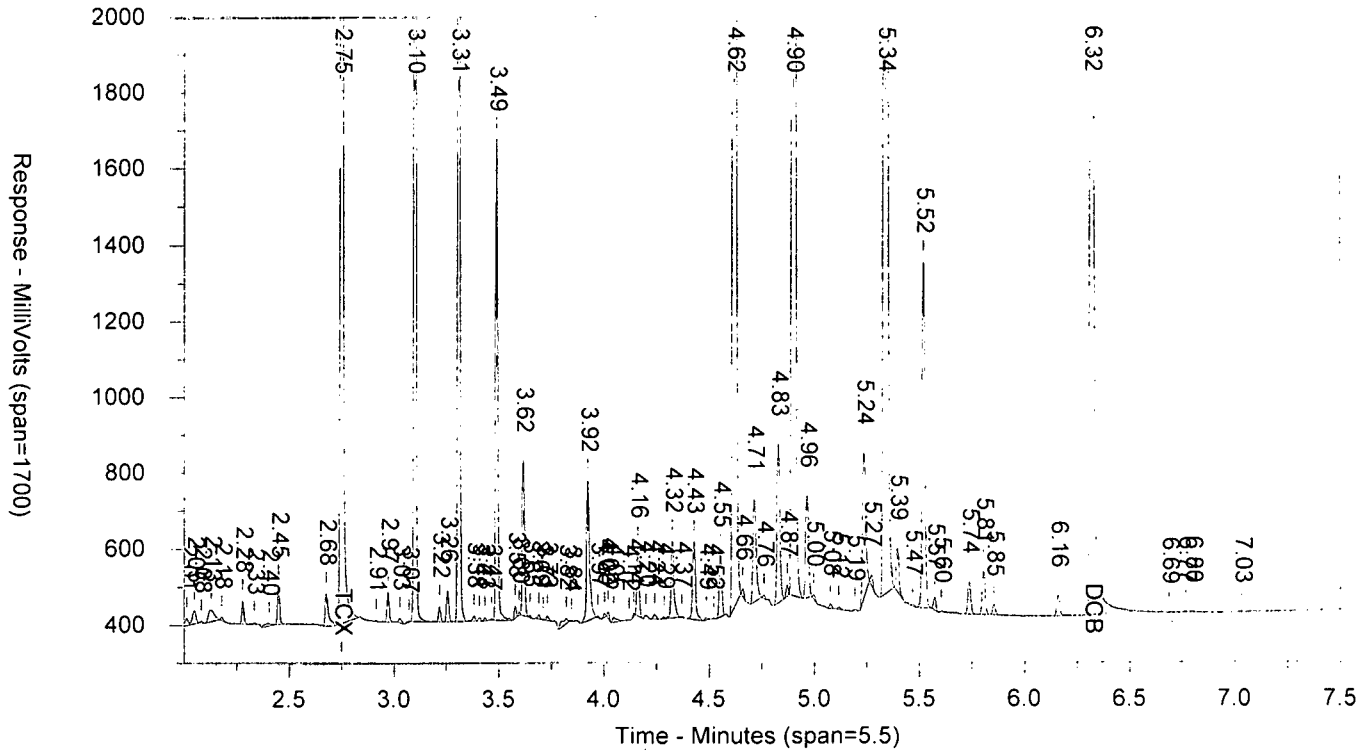

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.686		23611	186859
1.975		1909	1290
2.119		55673	100408
2.181		127164	327549
2.239		36712	78559
2.315		10731	11731
2.409		23681	18000
2.594		8205	37782
2.646		1445	1338
2.663		4536	2583
2.873		96410	95783
2.961		21842	21509
2.997		10446	21241
3.028	TCX	1233296	807489
3.179		52993	45550
3.236		55066	43643
3.285		267954	175552
3.38		39632	53121
3.501		280914	168403
3.518		132973	71407
3.556		30681	16666
3.572		10758	4637
3.585		12827	5233
3.599		3273	995
3.617		311071	215906
3.652		3113	2454
3.729		64778	38033
3.745		34280	17627
3.791		168197	90586
3.803		285183	147281
3.841		355978	268286
3.872		1180	159
3.88		1760	596
3.902		294278	220214
3.943		22624	15386
3.972		203639	150148
4		149293	133800
4.021		31786	15248
4.048		7747	7174
4.1		226445	160711
4.126		78433	50895
4.157		86311	63131
4.192		217652	227899
4.235		68120	54509
4.281		10187	7032
4.32		14254	11255
4.356		225293	168856
4.377		38488	21991
4.401		56217	46545
4.471		29711	25997
4.515		223538	211418
4.55		8476	5845
4.617		3135	2131

RT A	Compound A	Height A	Area A
4.656		56790	55370
4.712		31997	20572
4.728		35195	21387
4.774		130049	113519
4.823		200875	218893
4.861		49143	36991
4.901		455452	409125
4.945		8486	6847
4.991		70066	73626
5.026		12694	9204
5.051		74689	70819
5.103		371179	286080
5.12		52006	27850
5.154		107254	95201
5.195		244921	261467
5.238		4248	2612
5.274		52795	62858
5.31		570923	520417
5.332		24180	11148
5.349		9302	4766
5.374		298429	261064
5.417		189845	187442
5.471		8319	9823
5.514		54135	45792
5.538		307259	267257
5.594		176232	152394
5.633		89977	82980
5.674		24581	22078
5.717		109443	102088
5.773		708810	636969
5.978		459694	427074
6.032		120336	229512
6.104		3157	3026
6.166		18059	16839
6.228		9663	8816
6.249		71953	59346
6.402		177149	170797
6.446		8693	6801
6.602		46404	43789
6.67		1004	405
6.748	DCB	554115	553838
6.925		1553	516
7.033		1369	771
7.126		1285	423
7.23		1817	373
7.263		1072	330
7.381		1094	367
7.467		1442	489
7.552		1145	649
7.664		1254	451
7.762		1144	472
7.902		1631	978
7.912		1132	364
7.991		1044	934
8.057		1821	438
8.098		1739	774
8.294		1177	444
8.412		1501	984
8.548		2422	745
8.613		1673	356

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.632		2282	13814
1.924		6512	27838
2.042		16912	33088
2.127		53269	149618
2.397		3957	9335
2.429		2927	2922
2.657		3542	1484
2.677		115817	130773
2.749	TCX	578334	416436
2.791		13222	10887
2.922		35966	28661
2.983		31557	27709
3.036		152050	104794
3.149		19839	14326
3.245		196546	221908
3.298		20443	12948
3.321		27109	20148
3.347		5835	3047
3.369		185538	140074
3.406		10138	6342
3.452		40376	22847
3.467		22027	11113
3.518		74107	39542
3.528		150382	72856
3.563		172867	132591
3.637		183238	132297
3.671		131855	88614
3.696		143035	89114
3.715		36096	18133
3.806		159425	118299
3.83		55314	32208
3.851		55377	36074
3.883		40816	22757
3.901		112571	77834
3.945		47141	38130
3.993		11038	10901
4.016		27205	17308
4.039		173135	127958
4.066		28494	18421
4.087		4887	2254
4.106		19377	13410
4.142		143549	117528
4.196		19889	24129
4.247		7183	7730
4.287		27033	32288
4.355		37383	29642
4.401		34730	22228
4.433		134272	140147
4.46		57534	57751
4.514		317324	289163
4.559		8553	7309
4.586		25613	19028
4.612		71213	55929
4.656		365047	334130

4.764		306490	320708
4.821		40085	36100
4.861		81851	79150
4.898		349811	316859
4.931		178704	148202
4.971		127342	108128
5.075		41681	44652
5.127		234995	205086
5.151		22825	14609
5.202		128768	127184
5.238		59131	48517
5.266		41787	36582
5.299		8069	4472
5.32		517760	477439
5.362		8717	6792
5.397		25863	23808
5.512		4961	3133
5.536		118193	105135
5.582		346692	422214
5.739		15745	14957
5.78		7860	6428
5.806		16846	13573
5.854		63884	61129
5.959		143523	129244
5.991		5879	4282
6.159		40931	40665
6.32	DCB	510567	509961
6.797		3412	5727
8.183		1258	1158
8.398		1892	3222

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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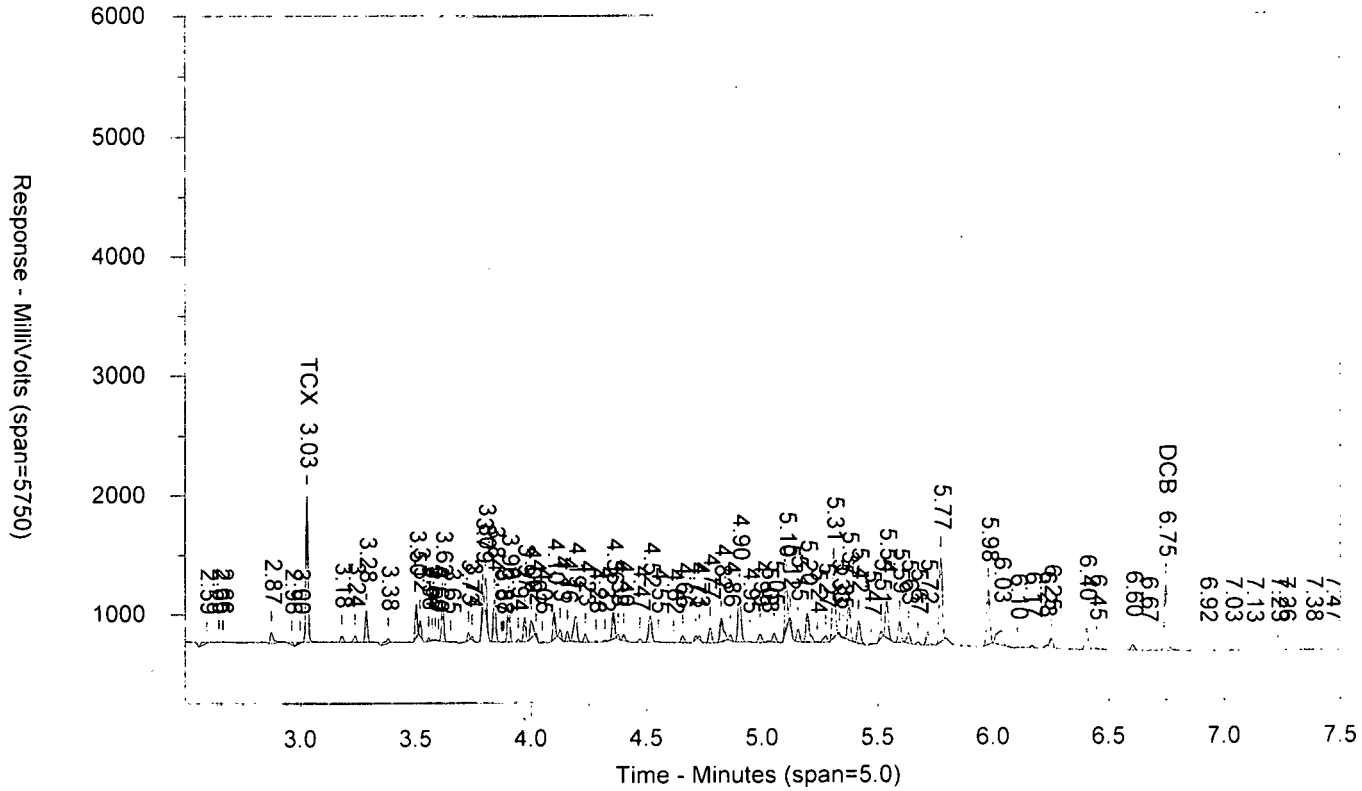

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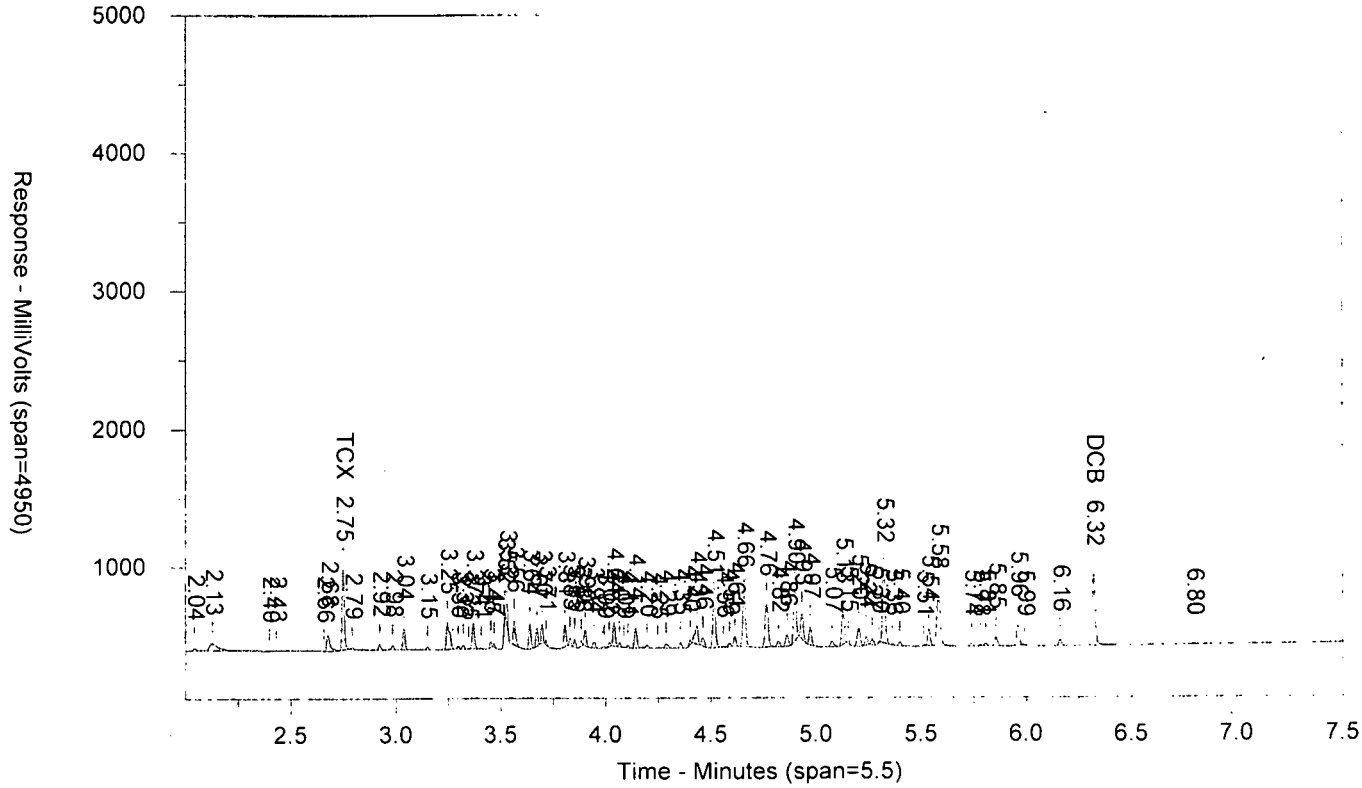

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:41:54 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1233296	1.942	TCX	2.749	578334	1.905	TCX
6.748	554115	2.171	DCB	6.32	510567	2.213	DCB

Files:
Area File: 07PCBS17292001.0007.RAW
Area File: 07PCBS17292001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 8:50:32 PM
File Reported On: 10/22/2017 at 1:33:34 PM

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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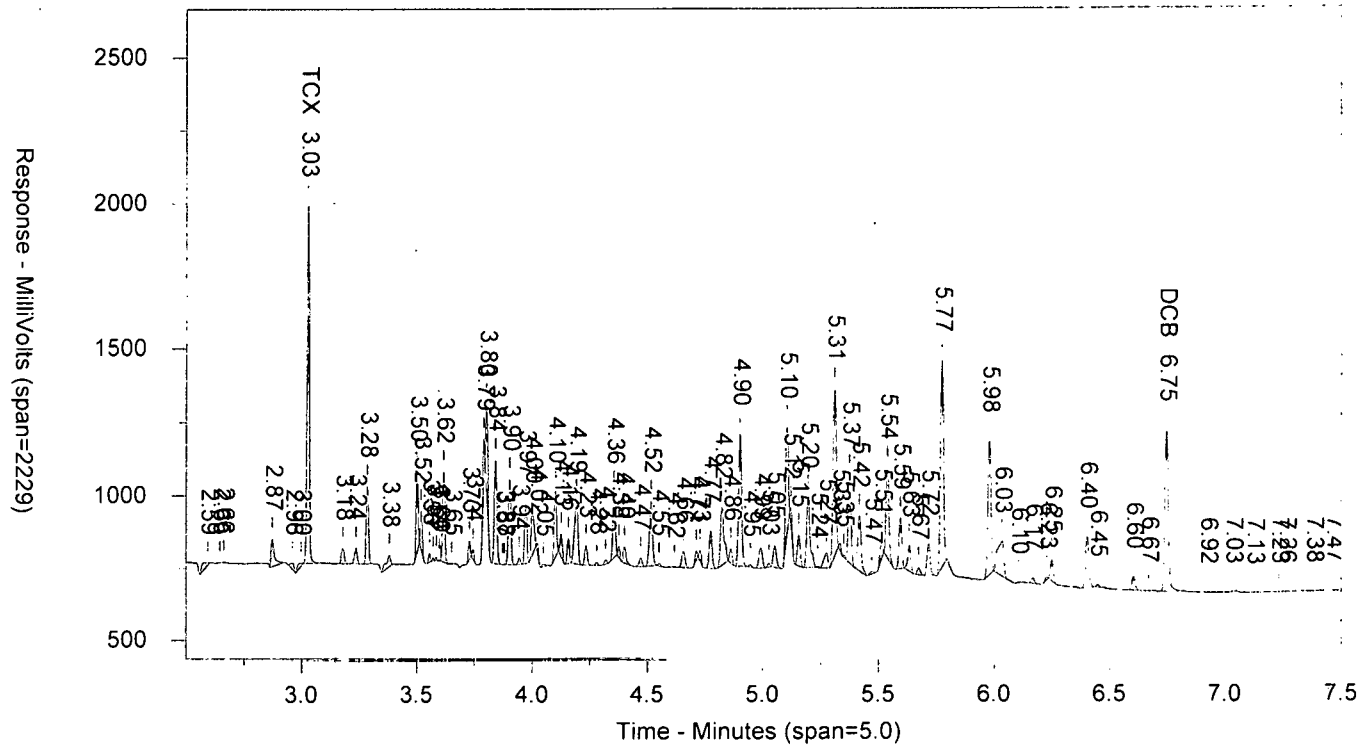

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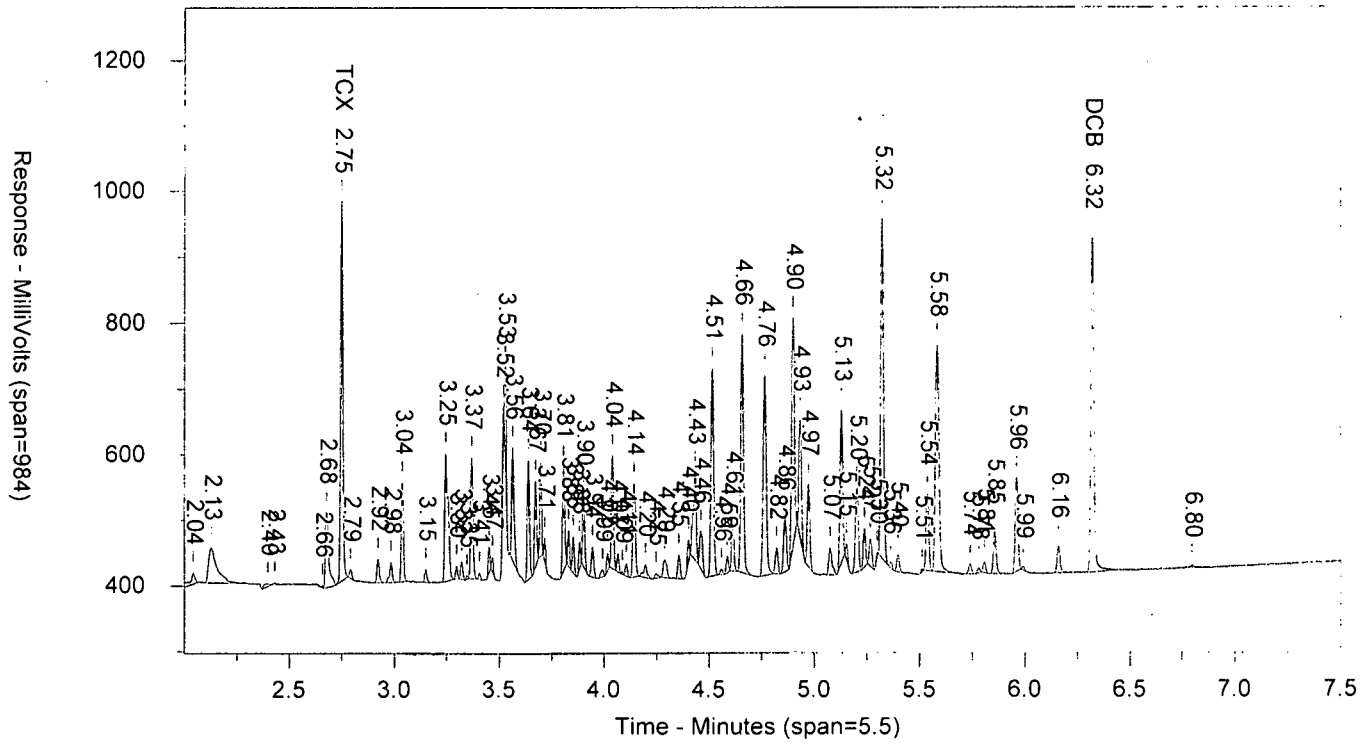

AR1611724B AAAR161AA ICAL 1729199999 10225 SW-846 8082

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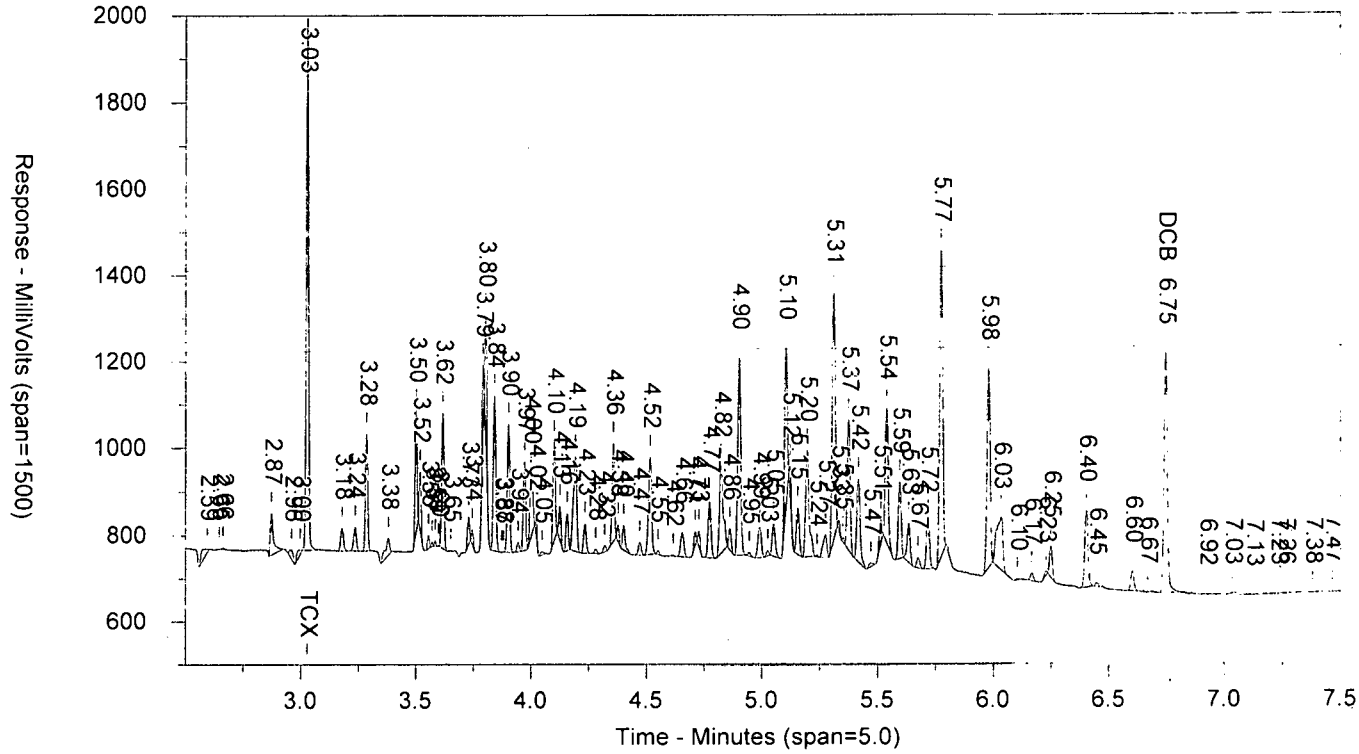

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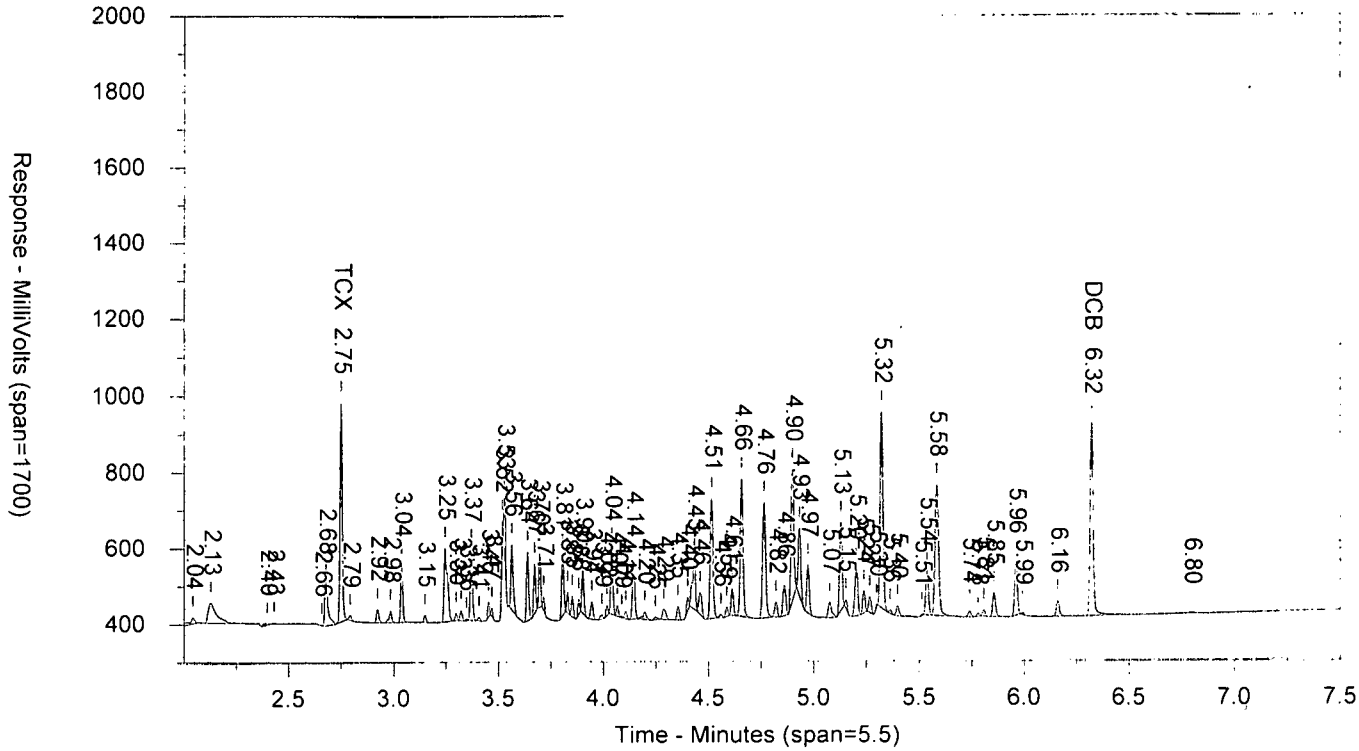

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.68		45310	223446
1.745		8418	9444
1.957		2543	3082
2.124		35899	98794
2.182		85664	181822
2.315		10485	7365
2.41		32288	19835
2.467		3372	2047
2.582		7067	14885
2.665		8147	6456
2.873		73561	66683
2.997		7558	13930
3.028	TCX	2371999	1535649
3.18		100814	85584
3.237		105550	83948
3.285		493396	329769
3.363		6957	6991
3.379		58312	37242
3.501		515538	308423
3.518		252007	134802
3.556		54245	30252
3.572		21537	9035
3.585		25442	11585
3.599		3722	1123
3.618		579228	404992
3.671		5622	3687
3.693		18866	10691
3.729		117691	70615
3.745		65701	32475
3.79		329051	166169
3.802		522619	279038
3.841		659658	499644
3.878		579	121
3.902		546946	411015
3.944		42624	29636
3.971		384647	277353
3.999		277795	250144
4.021		59907	28064
4.043		2230	647
4.099		413900	294768
4.124		141086	95918
4.157		160789	116832
4.193		418863	424918
4.234		125789	102115
4.28		18448	14232
4.32		25694	19500
4.356		398369	301726
4.376		86505	47352
4.401		105807	80228
4.47		55861	47041
4.515		414237	388182
4.55		16232	12284
4.614		8193	6613

RT A	Compound A	Height A	Area A
4.655		108761	108404
4.711		53871	35135
4.728		79885	51622
4.774		237364	211741
4.822		358246	407416
4.861		95145	68048
4.901		842584	766729
4.945		19031	15906
4.991		130065	135079
5.025		24104	17177
5.051		137879	122927
5.103		717753	557474
5.119		50084	42008
5.155		196766	172823
5.195		454086	482818
5.237		9012	5511
5.274		91835	114696
5.31		1074007	980425
5.332		49389	23432
5.35		21224	9297
5.374		539531	485247
5.417		347341	334938
5.474		4340	5414
5.514		93110	77668
5.537		574106	494622
5.594		326589	274810
5.634		164091	153656
5.676		44253	41204
5.716		197682	195883
5.773		1399349	1486863
5.978		855953	792735
6.032		234425	419206
6.166		36613	34296
6.227		20003	16800
6.248		126808	107964
6.349		1327	628
6.402		319298	312213
6.448		16674	14168
6.601		88849	88176
6.748	DCB	983523	1023370
7.029		2024	526
7.046		2755	2815
7.141		1617	606
7.262		1045	379
7.399		1464	571
7.442		1148	424
7.511		1297	489
7.756		1176	1161
7.813		1803	934
7.992		1305	354
8.021		1418	511
8.136		1586	441
8.343		1450	469
8.562		1576	478
8.646		1172	474

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.617		4024	13770
1.896		4427	9122
2.012		6075	15539
2.043		23731	27765
2.126		44425	130775
2.402		2779	6596
2.429		4740	4779
2.676		95716	105023
2.749	TCX	1092379	774620
2.792		25851	19816
2.921		69293	53746
2.983		59418	53001
3.036		276565	200159
3.149		36291	26457
3.245		356791	398422
3.297		38791	24662
3.32		42904	29567
3.346		14781	7728
3.369		328928	251787
3.405		18835	11961
3.434		2367	1046
3.452		73023	41767
3.467		40525	20943
3.518		122869	69443
3.528		299811	142330
3.562		315480	261497
3.637		329292	238335
3.671		239222	156995
3.695		249368	158725
3.714		62587	32556
3.805		286561	214686
3.829		99153	58379
3.851		99771	66257
3.883		69256	38909
3.9		193351	135909
3.944		88630	71588
3.992		21392	21101
4.016		49355	31615
4.039		314154	231078
4.065		53347	33614
4.086		7913	3557
4.105		34319	22686
4.142		253381	211297
4.179		8700	5741
4.196		28117	20237
4.245		4461	2755
4.285		55440	62705
4.331		3341	1941
4.354		68165	55341
4.4		60385	37231
4.432		230453	244022
4.459		106964	107028
4.514		578426	524235
4.558		15389	13220

4.586		47159	33901
4.611		125735	101240
4.655		674453	601792
4.764		585794	590423
4.82		75382	69340
4.859		151019	144559
4.896		637881	587281
4.931		328872	272211
4.97		221548	197374
5.075		81995	87433
5.127		426500	375327
5.15		40807	27008
5.201		240038	231493
5.237		111279	90725
5.266		75753	68544
5.32		994433	982593
5.361		16155	11560
5.396		50447	46773
5.512		8066	5163
5.537		210523	191357
5.581		657779	796345
5.738		29757	26928
5.78		14683	10783
5.806		30598	26080
5.855		121500	117184
5.959		258242	238523
5.99		10770	7739
6.159		78596	78293
6.319	DCB	916179	919088
6.798		2900	4077
7.049		1026	1076
8.251		1153	1591
8.403		2147	4308
8.625		2924	6023

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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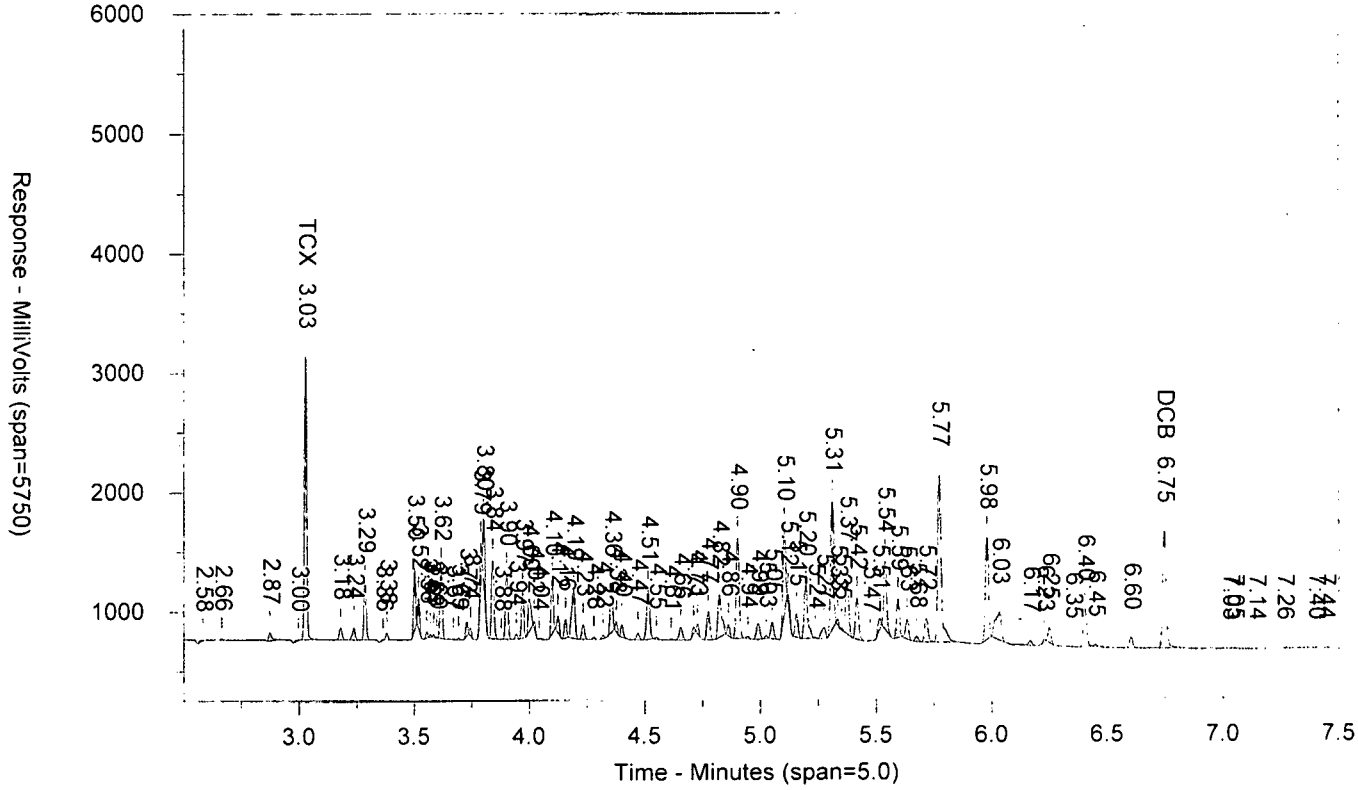

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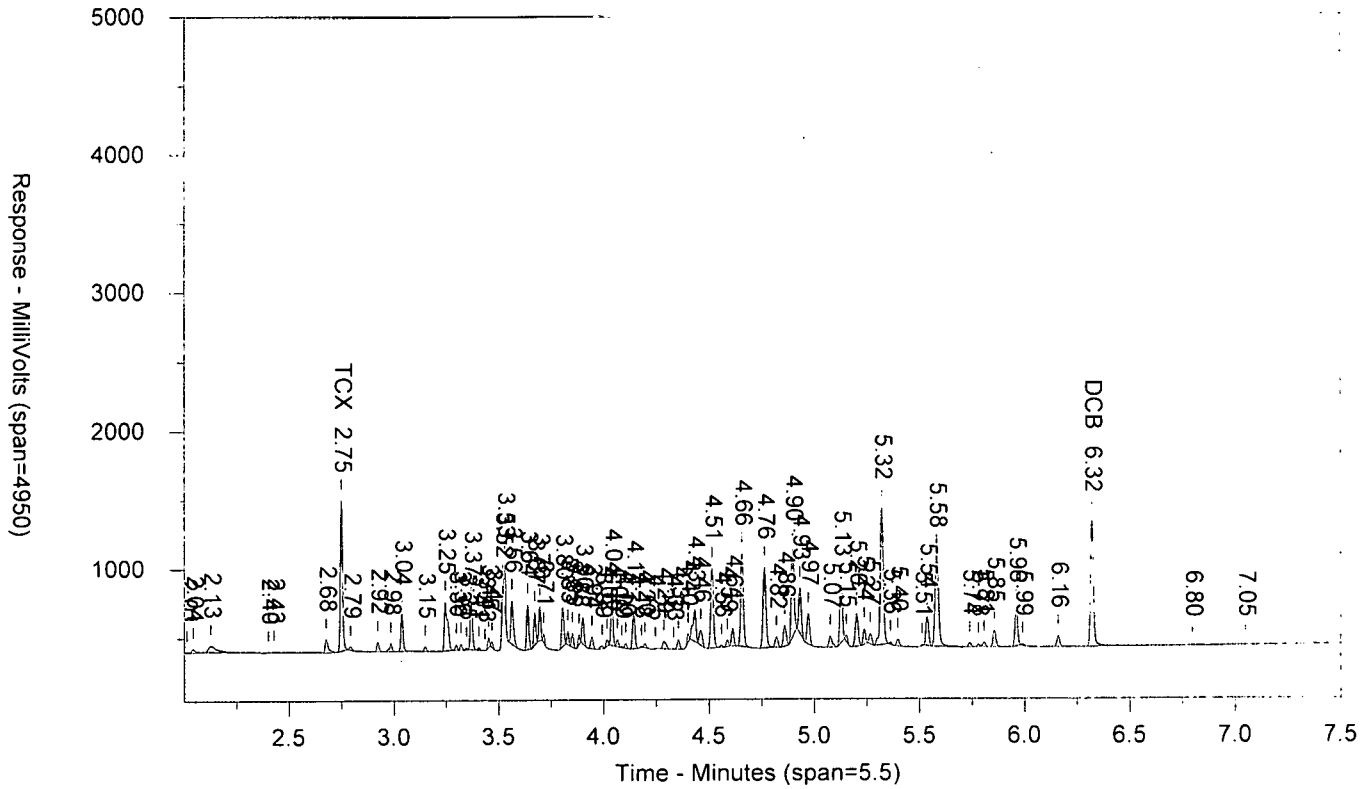

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 8:53:16 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	2371999	3.736	TCX	2.749	1092379	3.599	TCX
6.748	983523	3.854	DCB	6.319	916179	3.971	DCB

Files:
Area File: 07PCBS17292001.0008.RAW
Area File: 07PCBS17292001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:01:56 PM
File Reported On: 10/22/2017 at 1:33:44 PM

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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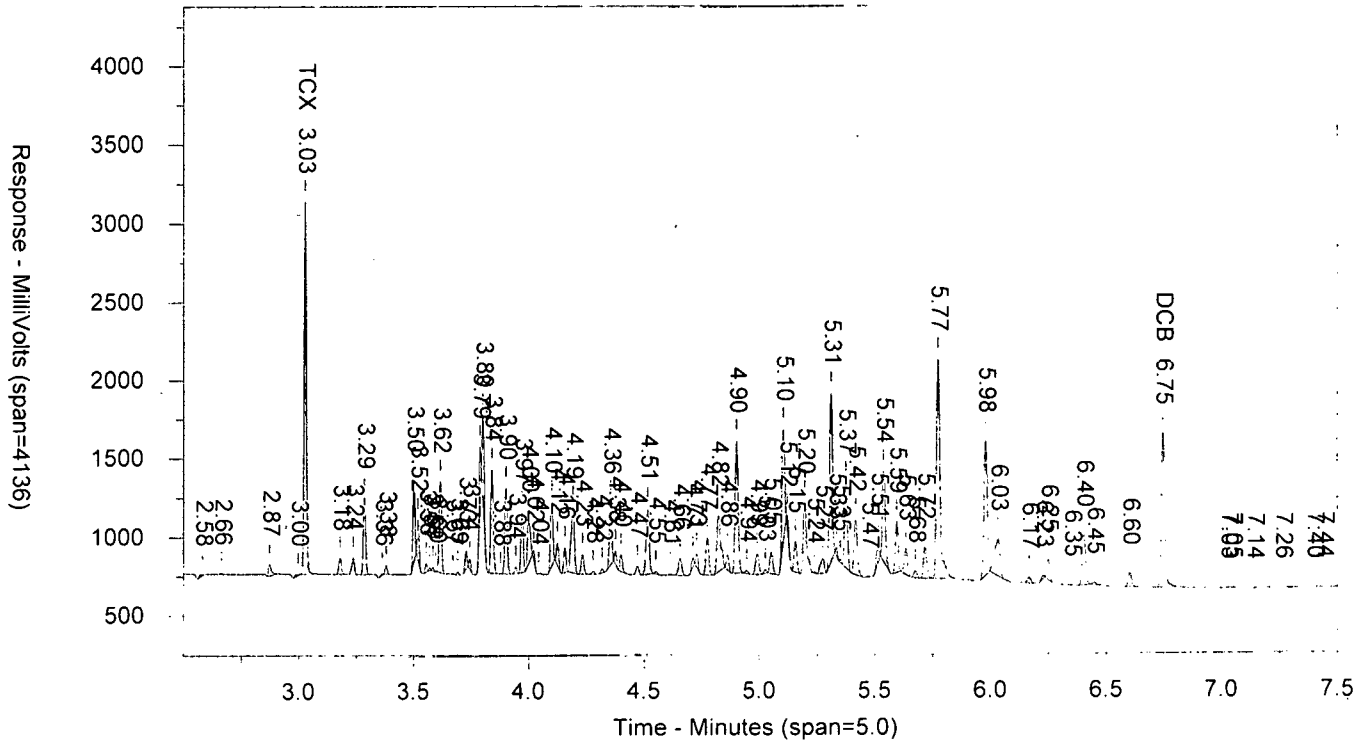

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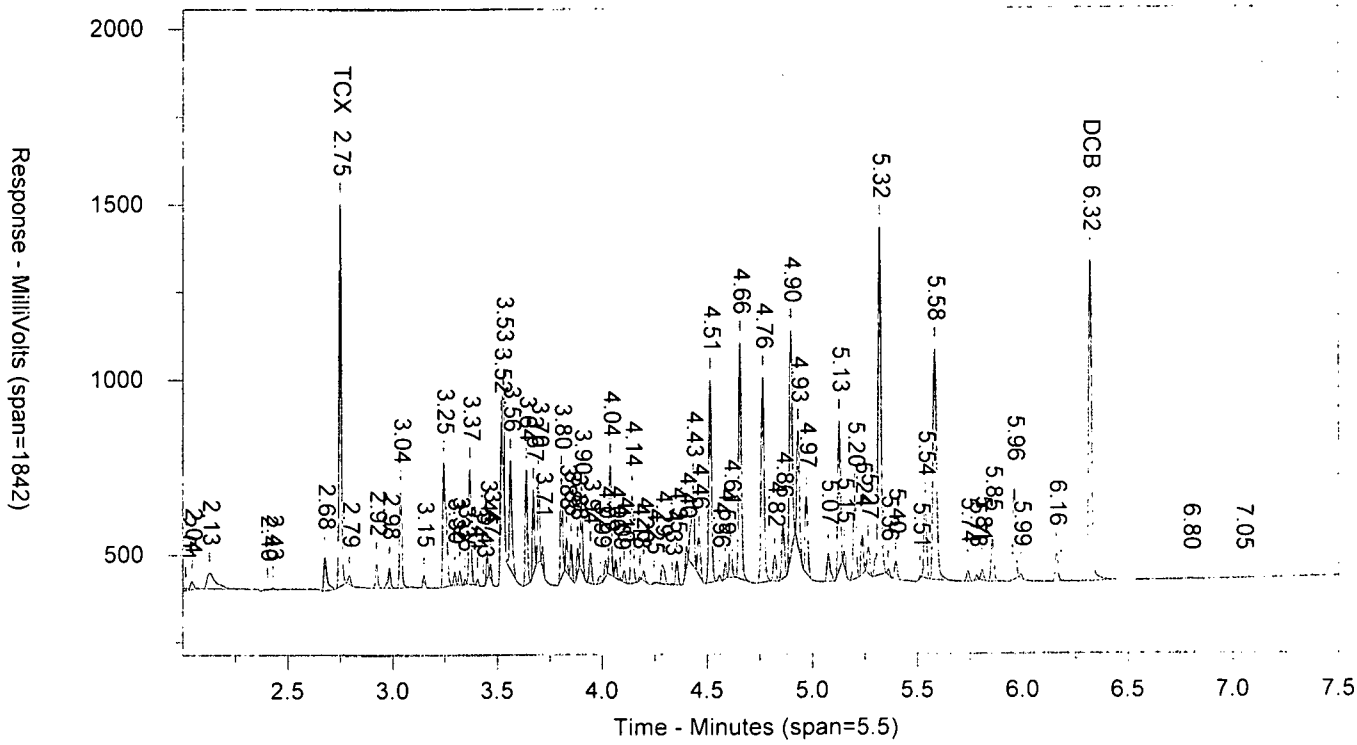

AR1621724B AAAR162AA ICAL 1729199999 10225 SW-846 8082

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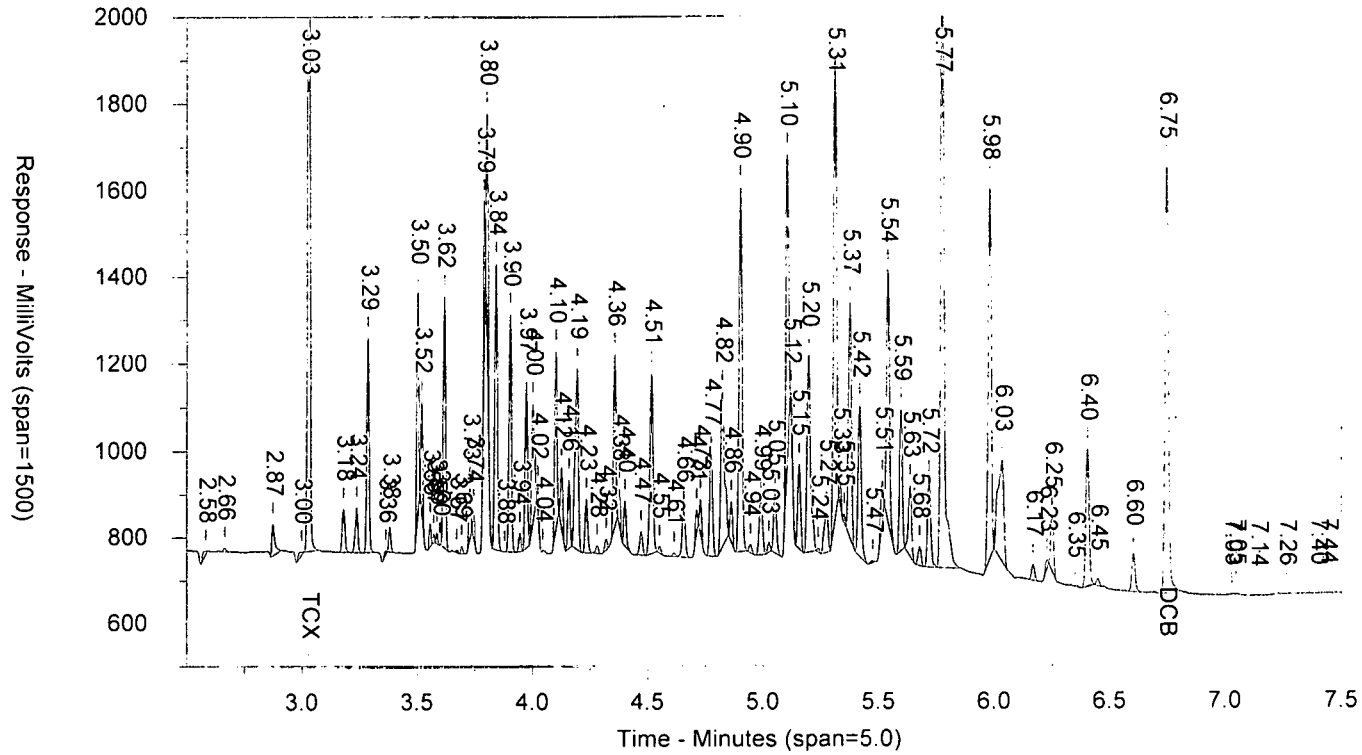

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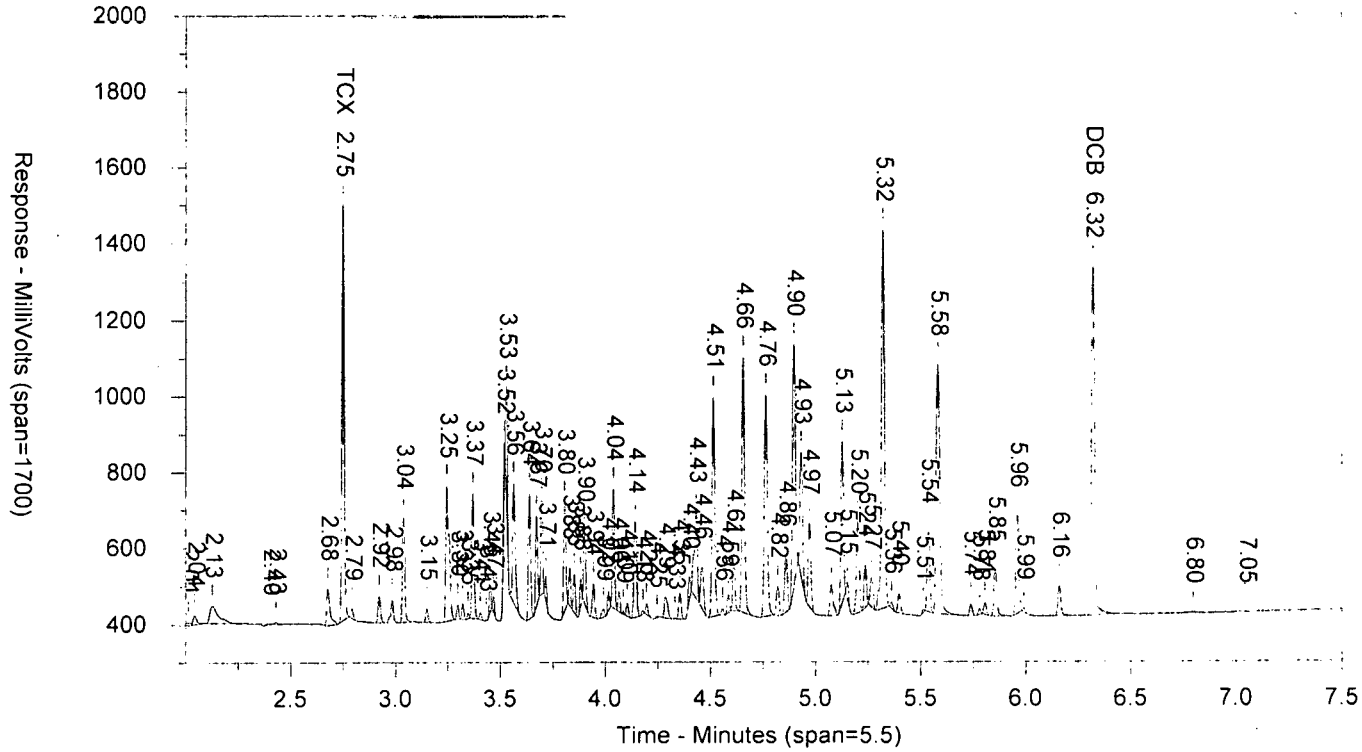

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.589		16262	57815
1.677		14664	115982
1.861		2159	1051
2.131		35661	121997
2.185		64747	146801
2.316		54903	37802
2.41		28571	18622
2.426		22641	15703
2.581		10297	17581
2.664		16577	12233
2.796		1677	1221
2.875		34224	24011
2.922		1784	990
2.999		7624	16369
3.029	TCX	12934480	8314456
3.181		213225	176413
3.237		235985	227860
3.286		1012097	731297
3.362		26864	16798
3.381		116004	72509
3.421		3138	1884
3.503		1061049	627714
3.52		517301	274811
3.557		113327	63120
3.573		39398	17378
3.587		53831	26061
3.62		1231605	855240
3.656		5999	3740
3.675		20684	13087
3.695		47474	28072
3.731		244054	145501
3.746		128576	66098
3.793		651746	359920
3.805		1226952	618257
3.843		1385182	1046680
3.904		1172993	859568
3.945		89873	61604
3.974		806276	568414
4.002		563917	512996
4.024		134550	65511
4.102		854122	612385
4.128		299044	193028
4.158		330959	238509
4.194		875616	876238
4.236		265151	210635
4.283		38854	32610
4.322		52185	38238
4.359		842606	613273
4.378		182191	103877
4.403		218234	163714
4.473		110964	96794
4.518		860966	786128
4.552		33008	22634

RT A	Compound A	Height A	Area A
4.615		16379	14434
4.657		227674	216438
4.714		120991	75943
4.73		171709	110200
4.775		484856	431076
4.825		755877	838882
4.863		196008	144372
4.903		1743321	1592669
4.946		37507	31940
4.992		275906	278647
5.027		69790	52949
5.053		268454	230583
5.105		1454799	1156674
5.121		145593	92646
5.156		395004	357045
5.197		970049	1014113
5.239		20176	11084
5.275		230271	280062
5.311		2312021	2056026
5.334		94091	44981
5.353		41875	19032
5.376		1184719	1012565
5.418		741215	677272
5.469		5041	4281
5.515		212589	174807
5.539		1238424	1050217
5.597		608281	554625
5.636		343274	315318
5.676		126010	117767
5.719		432879	405011
5.775		2806721	2509855
5.797		60966	30150
5.98		1759482	1664243
6.034		477179	878650
6.169		133272	132127
6.232		82481	65266
6.251		253431	197239
6.405		665517	638838
6.45		36406	31741
6.606		206648	213191
6.696		2778	2095
6.752	DCB	5010740	5234122
6.96		1756	653
7.048		4059	4630
7.158		1206	433
7.225		5099	6016
7.378		1358	538
7.519		1887	702
7.748		1396	905
7.808		1217	421
7.845		1931	980
8.004		1485	501
8.342		1832	356
8.368		1062	597
8.552		1680	404

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.656		7318	46898
1.846		3903	11282
1.899		3443	4830
2.018		2153	9186
2.049		32948	37183
2.13		26340	51338
2.179		10013	8530
2.397		4174	7509
2.429		9845	8602
2.677		49747	58087
2.75	TCX	6222466	4257687
2.792		38721	27242
2.922		137075	106772
2.97		37110	19114
2.983		77870	42484
3.037		542237	396930
3.088		13318	8571
3.149		76229	56304
3.246		686226	781885
3.298		79472	50626
3.321		60337	40877
3.347		35829	19865
3.37		650196	500689
3.406		38366	23874
3.434		10869	4990
3.452		141822	80986
3.468		76515	39952
3.52		136021	106837
3.529		625952	311157
3.563		651141	527083
3.638		665874	479697
3.673		466368	308904
3.697		501584	313824
3.715		122209	64460
3.806		566994	425362
3.83		198317	116095
3.852		195947	132961
3.884		132575	76526
3.902		397034	275679
3.945		174252	142040
3.993		43689	43051
4.017		98832	64924
4.04		620034	460736
4.067		106230	67584
4.087		15232	6940
4.106		68970	45545
4.143		518999	420940
4.18		23334	14706
4.197		54979	40541
4.263		4756	9106
4.287		107158	125828
4.332		9484	5218
4.356		138686	112276
4.401		118006	78065

4.42		60755	33191
4.433		344815	221167
4.461		210768	212915
4.515		1187897	1052003
4.56		32262	27367
4.587		95717	70030
4.613		247808	187368
4.633		7414	2688
4.657		1347319	1181062
4.765		1160530	1199895
4.821		149983	141685
4.861		302675	294811
4.898		1326448	1191819
4.932		651039	536767
4.972		457808	397439
5.076		164864	182255
5.128		866159	758522
5.152		88674	57299
5.203		471613	464071
5.239		220367	179380
5.268		160200	151430
5.3		26202	17351
5.321		2005767	1836617
5.362		34552	25105
5.397		154726	139105
5.515		16116	10981
5.538		429735	384942
5.582		1335935	1635369
5.739		111742	105410
5.782		28501	21427
5.807		132909	114937
5.856		258221	256003
5.96		524415	485840
5.991		21432	16805
6.161		187557	185759
6.321	DCB	4558033	4514404
6.686		1254	1382
6.769		3375	3250
6.8		3423	3505
8.569		1580	2487

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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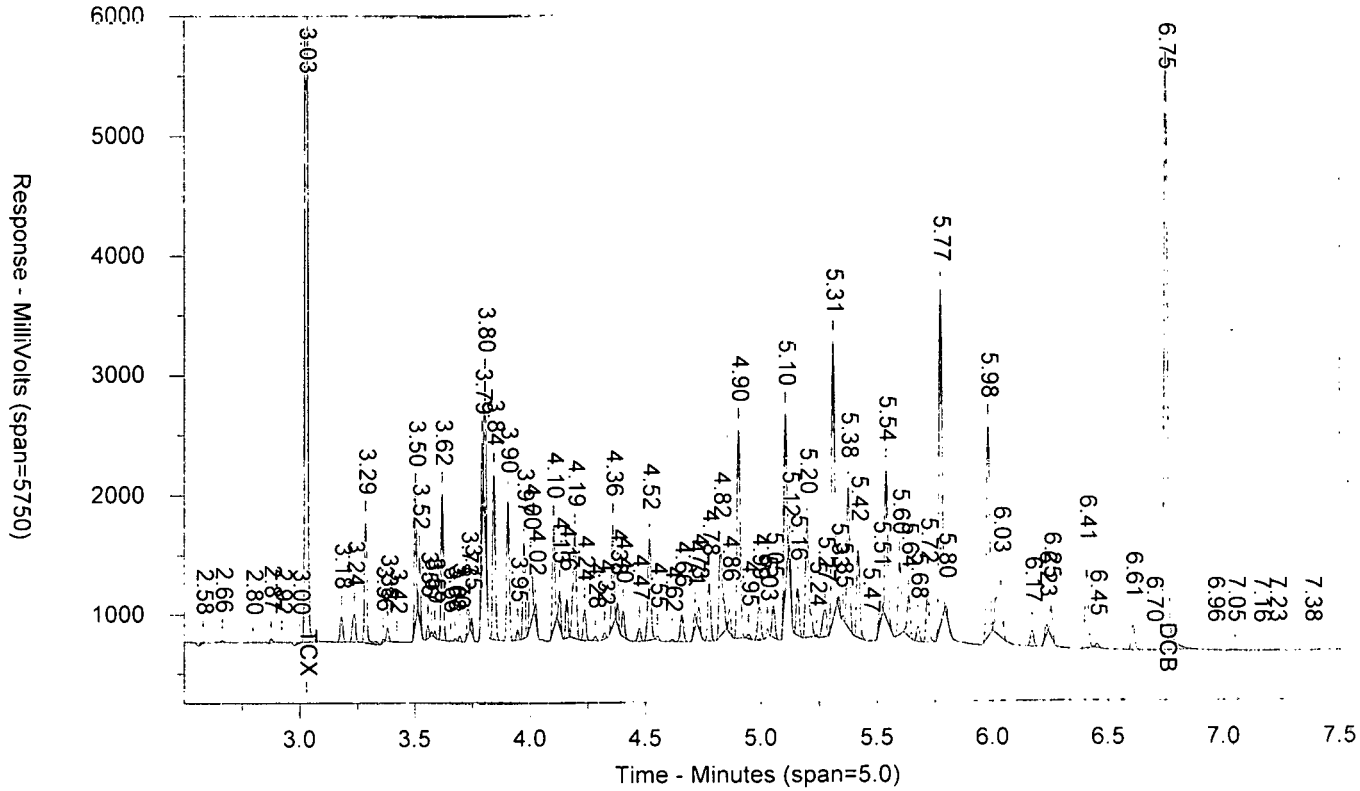

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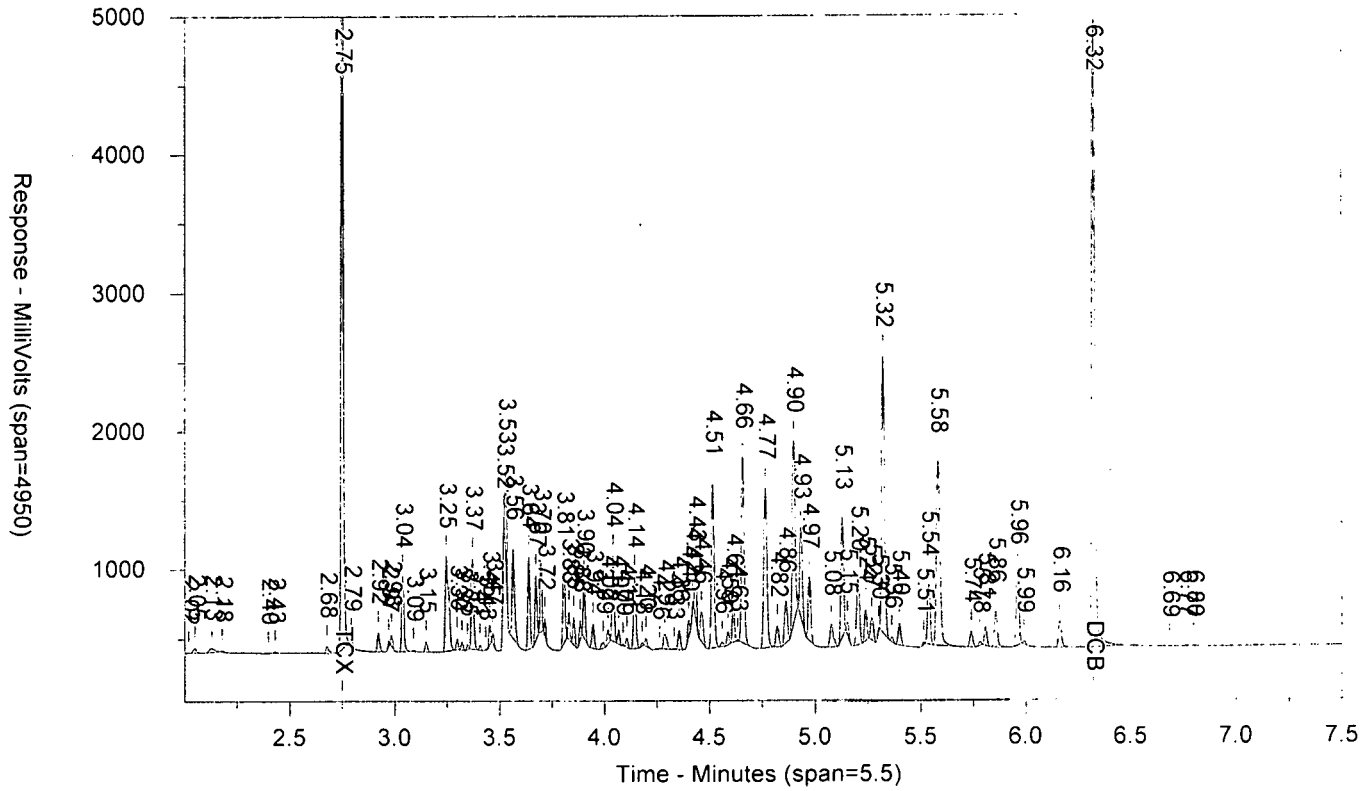

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:04:45 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	12934480	20.371	TCX	2.75	6222466	20.499	TCX
6.752	5010740	19.633	DCB	6.321	4558033	19.754	DCB

Files:
Area File: 07PCBS17292001.0009.RAW
Area File: 07PCBS17292001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:13:21 PM
File Reported On: 10/22/2017 at 1:33:54 PM

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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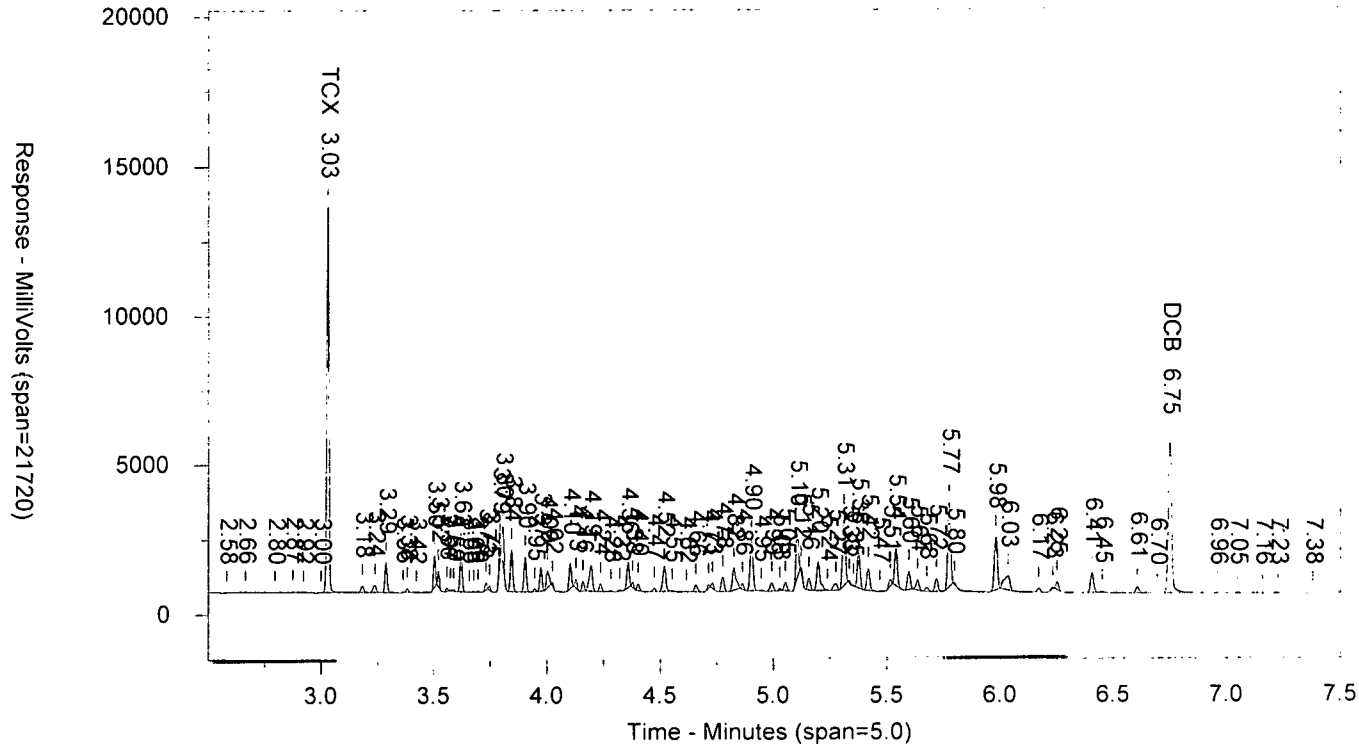

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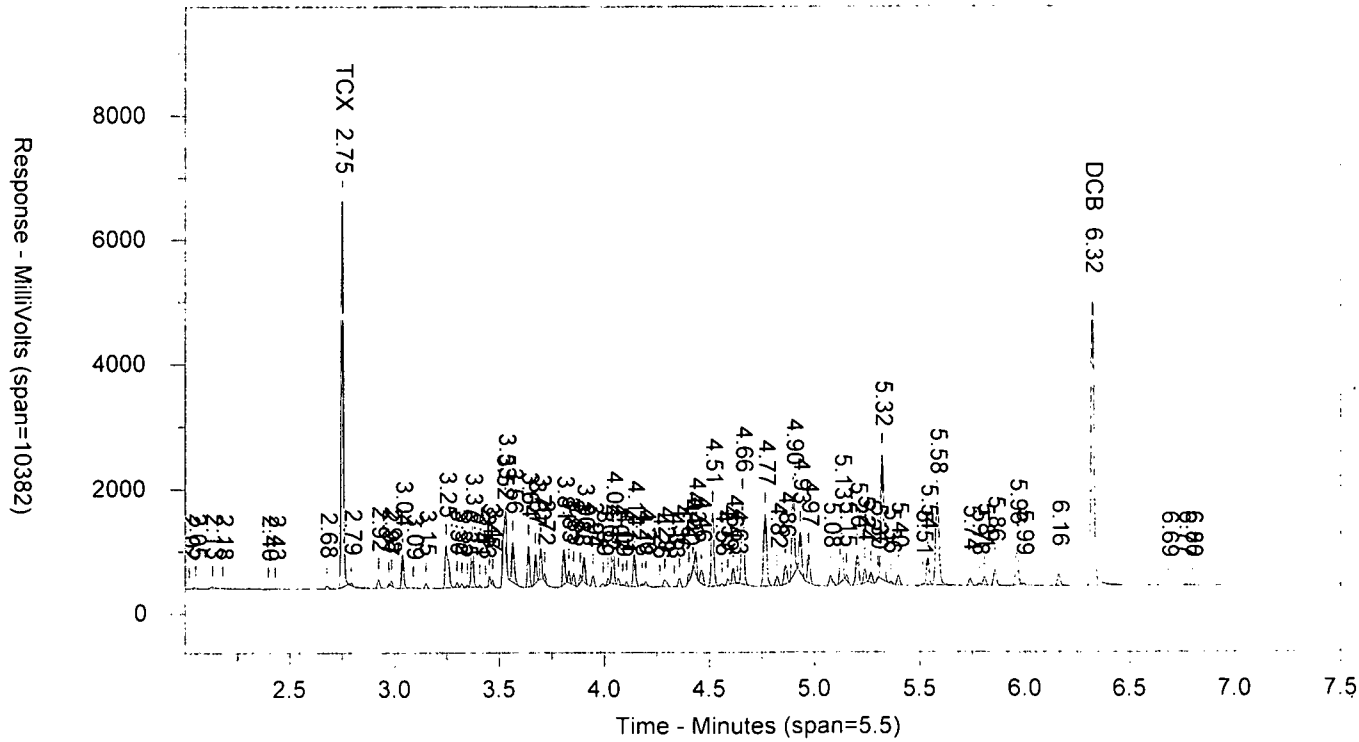

AR1631724B AAAR163AA ICAL 1729199999 10225 SW-846 8082

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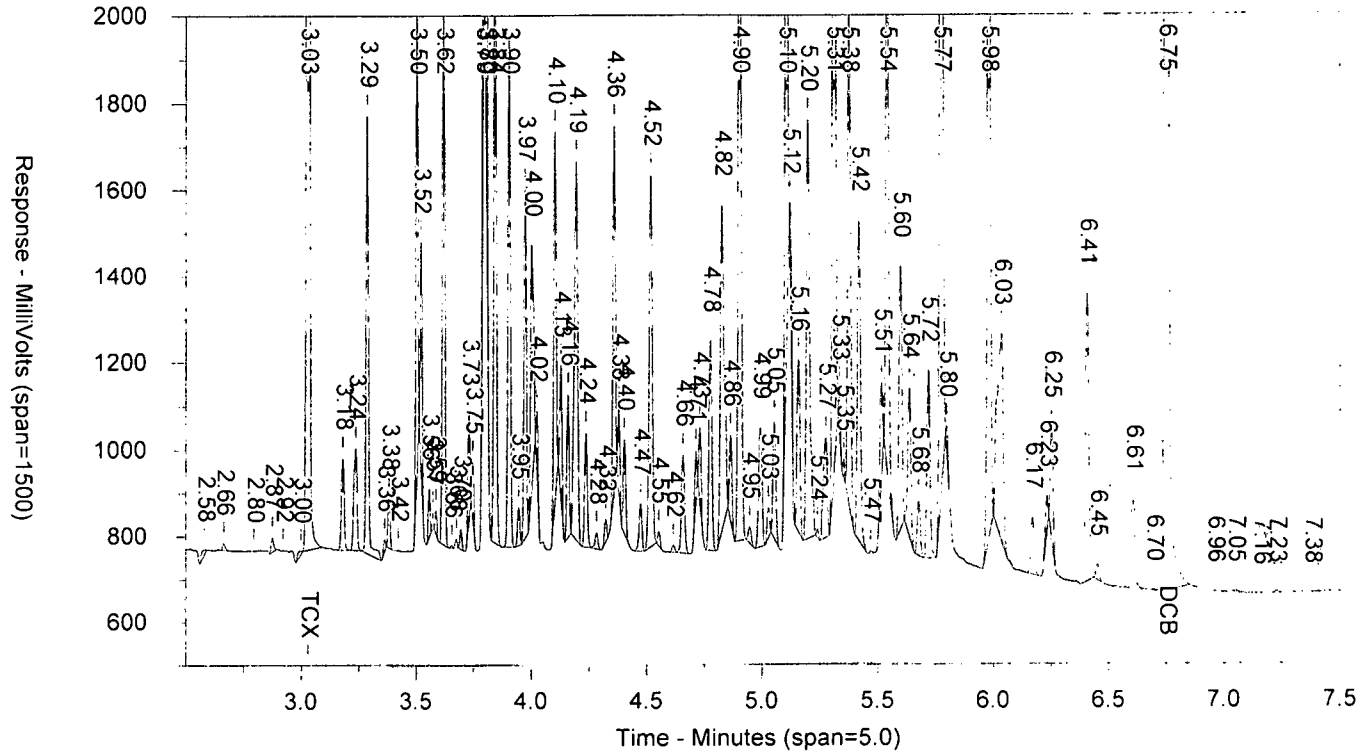

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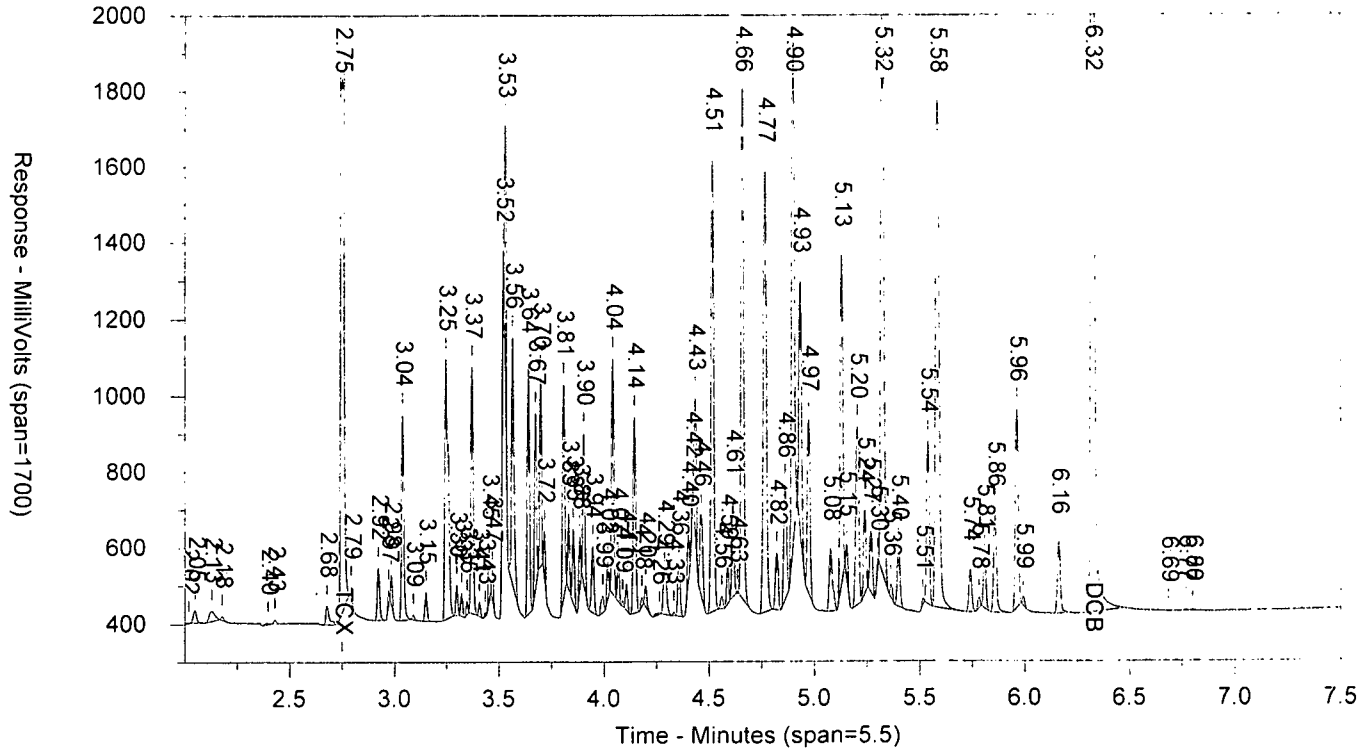

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.549		6038	7012
1.674		10407	108170
1.874		1958	1576
1.926		2940	2439
1.963		2219	3767
2.052		1595	1722
2.133		57263	134865
2.185		107585	313898
2.241		45485	111224
2.316		130252	140044
2.41		31454	24739
2.427		46011	34086
2.519		3193	1901
2.593		14426	44545
2.664		32838	24812
2.742		2413	2464
2.874		46761	41891
2.96		19682	19653
3.029	TCX	26489750	17378830
3.129		5064	2628
3.181		426951	357395
3.237		461764	458675
3.286		2101909	1448697
3.363		49797	29366
3.381		234248	148218
3.421		7297	4672
3.503		2232677	1271919
3.521		1076644	567374
3.558		224078	128680
3.573		87086	37061
3.587		123652	60861
3.62		2494895	1788688
3.655		11268	5753
3.675		38702	24548
3.695		112877	70488
3.731		492273	287882
3.746		256558	133002
3.792		1377470	752439
3.805		2470645	1294858
3.844		2931932	2186755
3.904		2407622	1794565
3.946		186931	126073
3.973		1593080	1161874
4.002		1121464	1067036
4.024		253047	120669
4.102		1797488	1261001
4.127		631909	396710
4.159		689034	485992
4.194		1793484	1831904
4.236		538861	427156
4.283		81380	67482
4.323		113938	78985
4.359		1700755	1246511

RT A	Compound A	Height A	Area A
4.379		364880	211324
4.403		453369	334965
4.474		227511	194759
4.517		1752956	1592508
4.553		72054	50896
4.594		1421	354
4.616		36615	30775
4.658		515640	497151
4.714		218308	150439
4.73		334027	218849
4.777		978481	872942
4.824		1536189	1675971
4.863		390708	290126
4.903		3668115	3246517
4.946		90794	77513
4.993		549567	556895
5.028		155376	117704
5.053		529774	445117
5.106	(3)	2941455	2306648
5.122		370744	210406
5.157		819074	720410
5.198		1939844	2069233
5.24		42838	24446
5.275		472779	556795
5.311		4623631	4177107
5.333		192780	92990
5.352		96823	43592
5.376		2396599	2067035
5.419		1437901	1370014
5.47		4107	3066
5.515		421640	342652
5.539		2426908	2135797
5.596		1265897	1104208
5.635		680202	638307
5.676		249122	238268
5.718		820778	808749
5.775		5713120	5123408
5.798		99990	45678
5.854		6051	7568
5.98		3700410	3369887
6.033		943228	1780582
6.168		244498	237379
6.231		152549	118734
6.251		527967	402203
6.405		1304690	1284100
6.449		70121	62028
6.605		418243	412098
6.694		1944	927
6.75	DCB	10530450	10663490
7.039		1573	1039
7.226		9049	12994
7.446		2071	1882
7.67		1660	1140
7.916		1286	845
8.174		1599	643
8.322		1940	410
8.432		1506	1066
8.623		1543	393

(3) 2855 22 Oct 17

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.637		2055	14143
1.84		3997	10239
1.917		6720	25489
2.009		4235	10579
2.05		56855	58329
2.129		32141	60203
2.179		20831	16659
2.396		4195	7736
2.429		19373	16177
2.677		60549	52257
2.749	TCX	12387110	8848575
2.792		76878	52015
2.922		267445	212709
2.97		73361	36133
2.983		152093	83258
3.037		1095577	783420
3.088		24178	15332
3.149		148978	113075
3.246		1358524	1535493
3.298		153858	100472
3.32		96947	59261
3.347		75493	43606
3.37		1327960	993997
3.406		80794	51789
3.435		20025	9431
3.453		285230	161844
3.468		152914	77818
3.519		434861	254937
3.529		1226738	636295
3.564		1345573	1081593
3.639		1361661	972798
3.672		911997	603461
3.697		1017037	629453
3.715		245733	126466
3.806		1122691	848286
3.83		385100	228628
3.853		388688	259472
3.884		275126	155003
3.902		792603	549037
3.945		343556	281904
3.993		98098	95424
4.017		195654	128591
4.04		1245412	905771
4.066		214036	133869
4.087		31627	14878
4.106		129037	88007
4.143		1007269	811639
4.18		47631	31496
4.197		104710	73622
4.244		4566	2635
4.264		8283	6309
4.286		248762	281386
4.332		23014	13637
4.356		275391	220412

4.402		223657	142489
4.42		116675	65514
4.433		618410	407958
4.461		408780	414491
4.515		2373658	2057760
4.559		70168	59396
4.588		185635	134706
4.613		473927	356576
4.634		17692	6756
4.657		2656317	2294887
4.765		2367852	2367547
4.822		306489	276965
4.861		568895	570176
4.898		2645217	2404891
4.932		1341450	1067112
4.971		890633	764859
5.076		322035	355275
5.128		1738339	1495596
5.152		177318	113598
5.203		915194	891568
5.238		422962	345701
5.267		306285	292523
5.3		51782	36246
5.321		4107708	3748267
5.362		69208	50311
5.397		284039	264656
5.514		33885	21902
5.537		830484	745431
5.582		2809915	3263686
5.739		203636	186866
5.781		58254	43416
5.807		245338	211640
5.856		510191	495862
5.96		1039472	961690
5.992		45696	33325
6.161		361447	355915
6.32	DCB	9178973	9145075
6.77		6153	5762
7.709		1574	2032
8.401		1913	3176

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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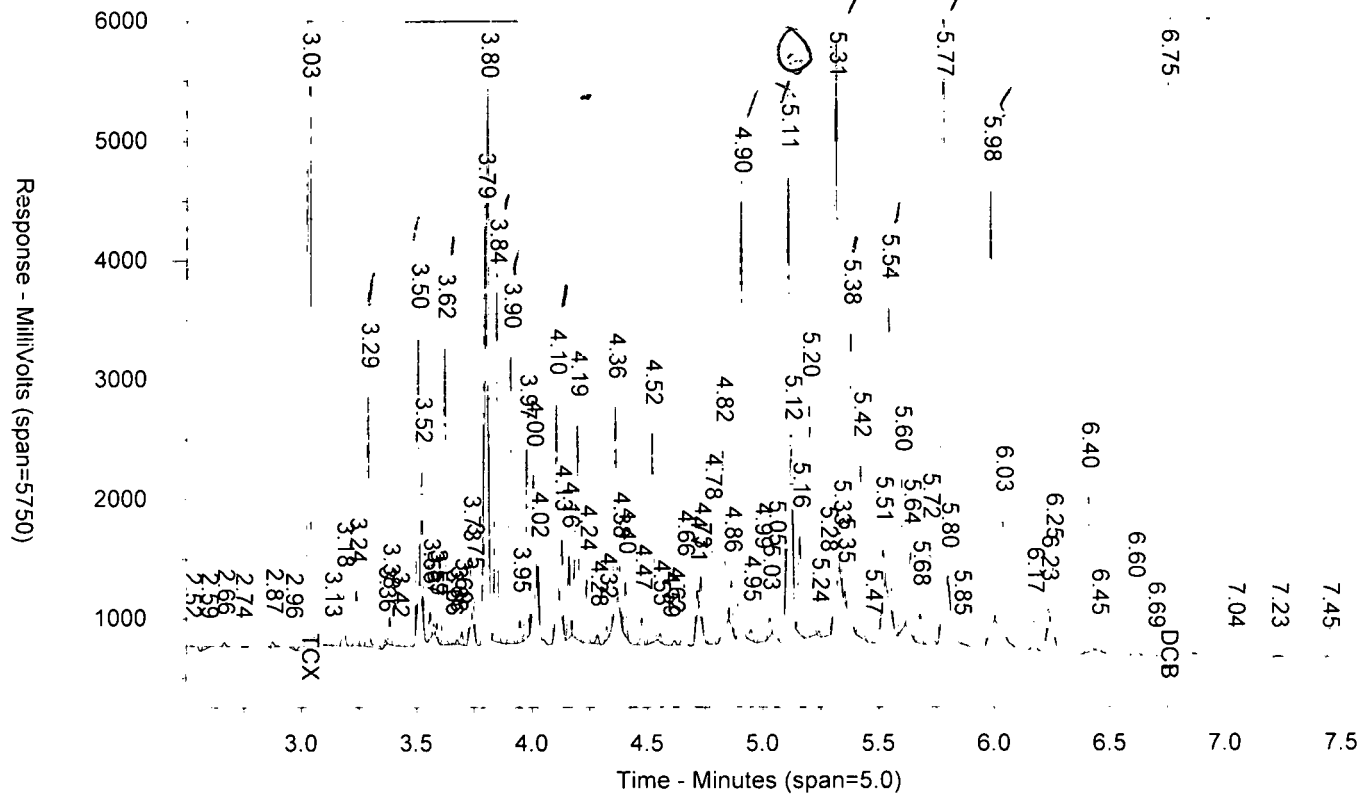

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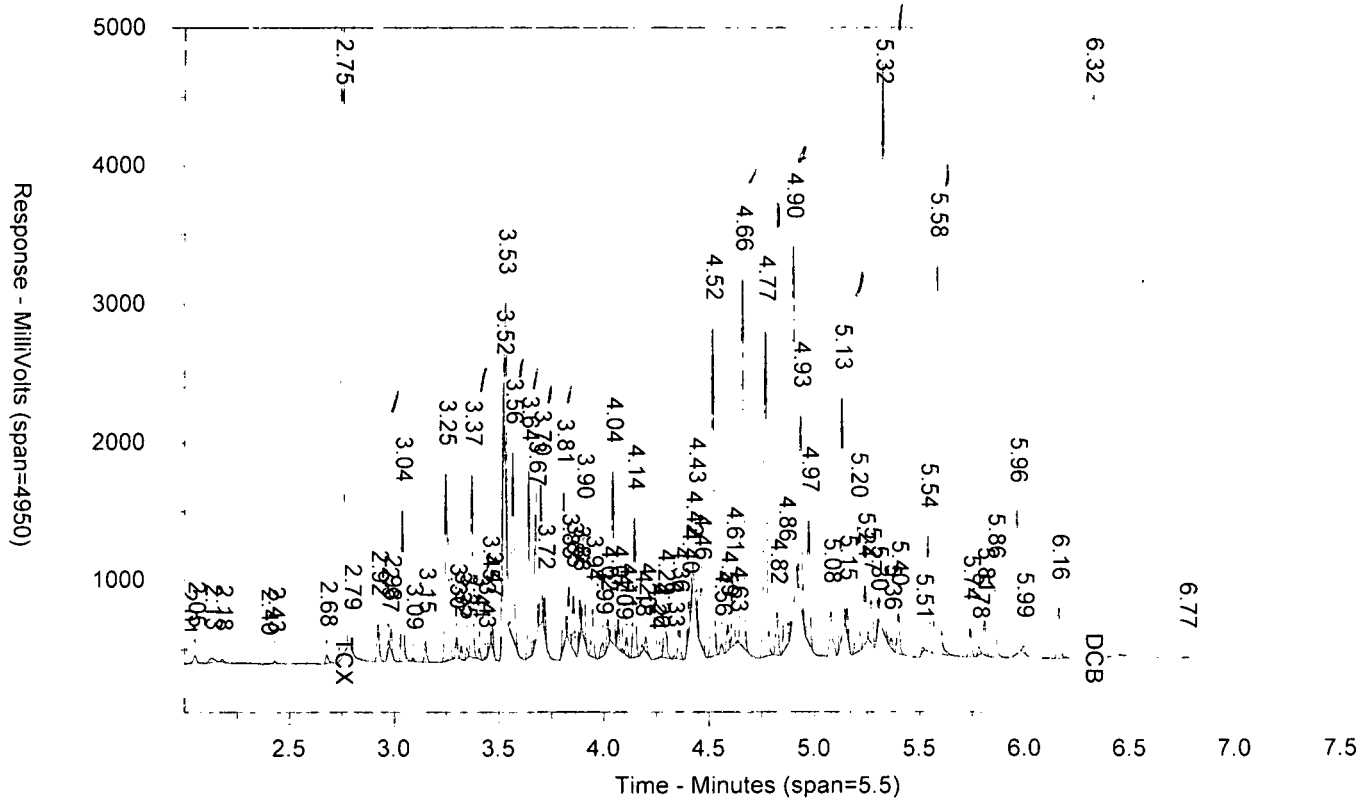

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:16:09 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	26489750	41.719	TCX	2.749	12387110	40.808	TCX
6.75	10530450	41.259	DCB	6.32	9178973	39.781	DCB

Files:
Area File: 07PCBS17292001.0010.RAW
Area File: 07PCBS17292001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:24:49 PM
File Reported On: 10/22/2017 at 1:34:04 PM

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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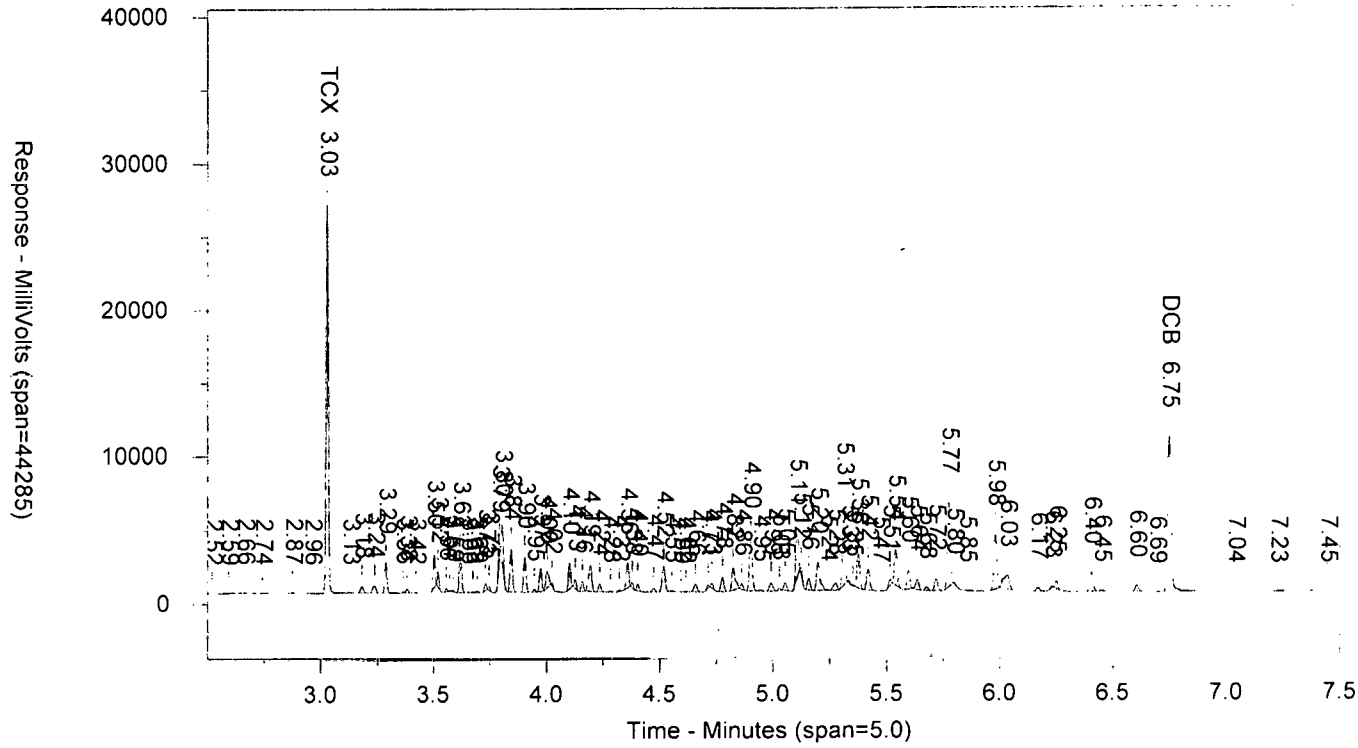

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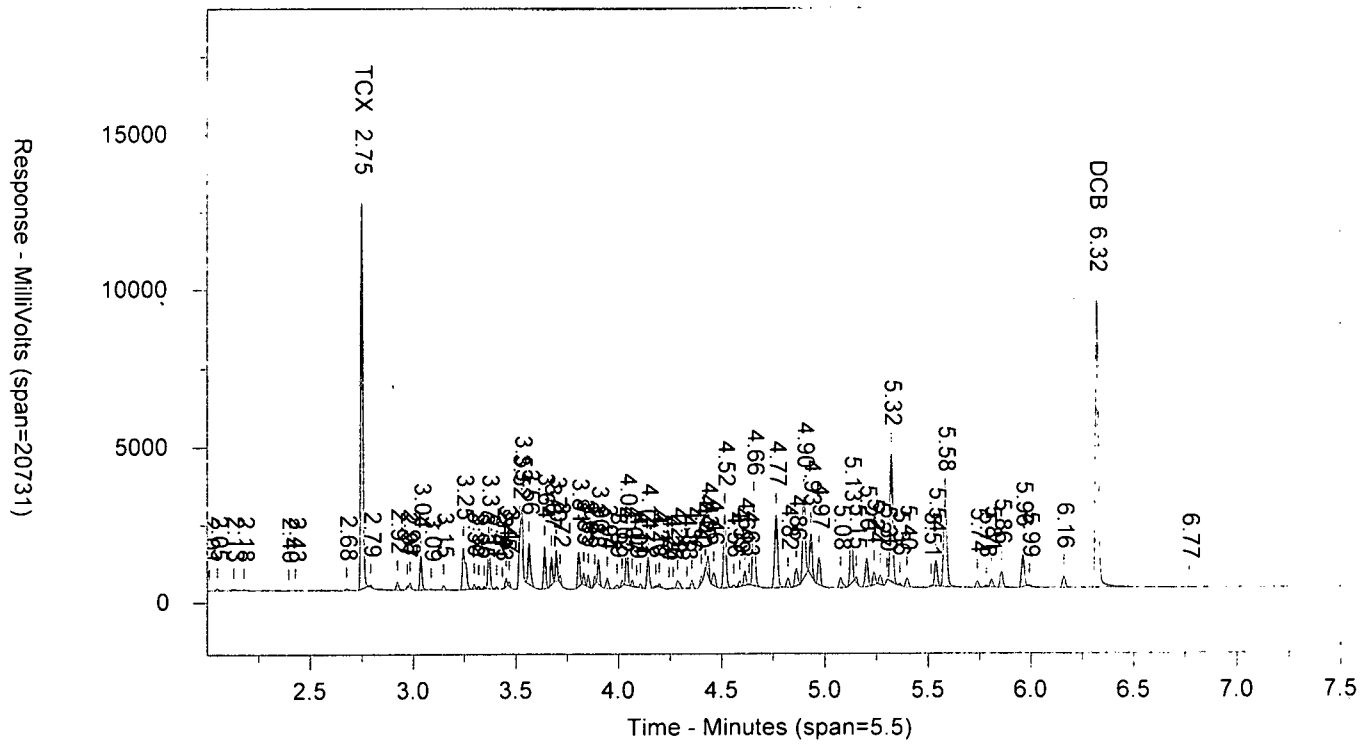

AR1641724B AAAR164AA ICAL 1729199999 10225 SW-846 8082

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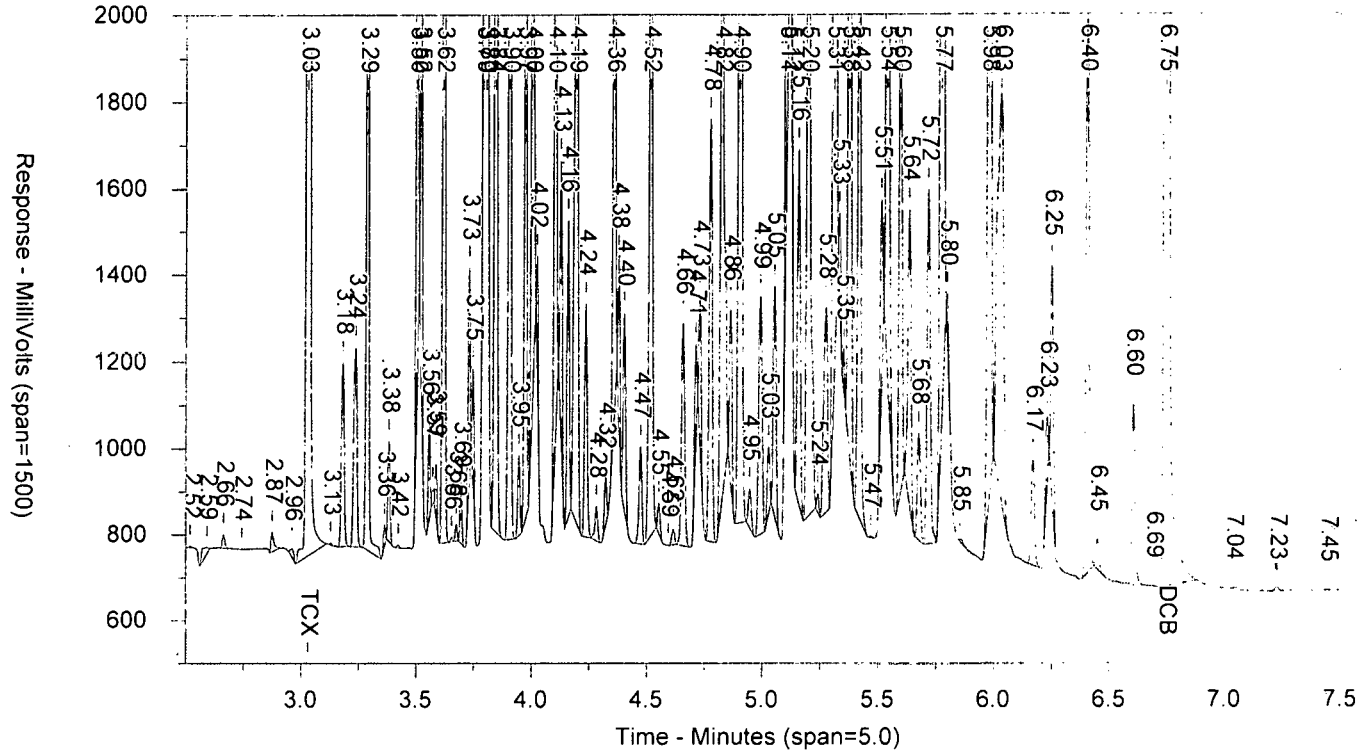

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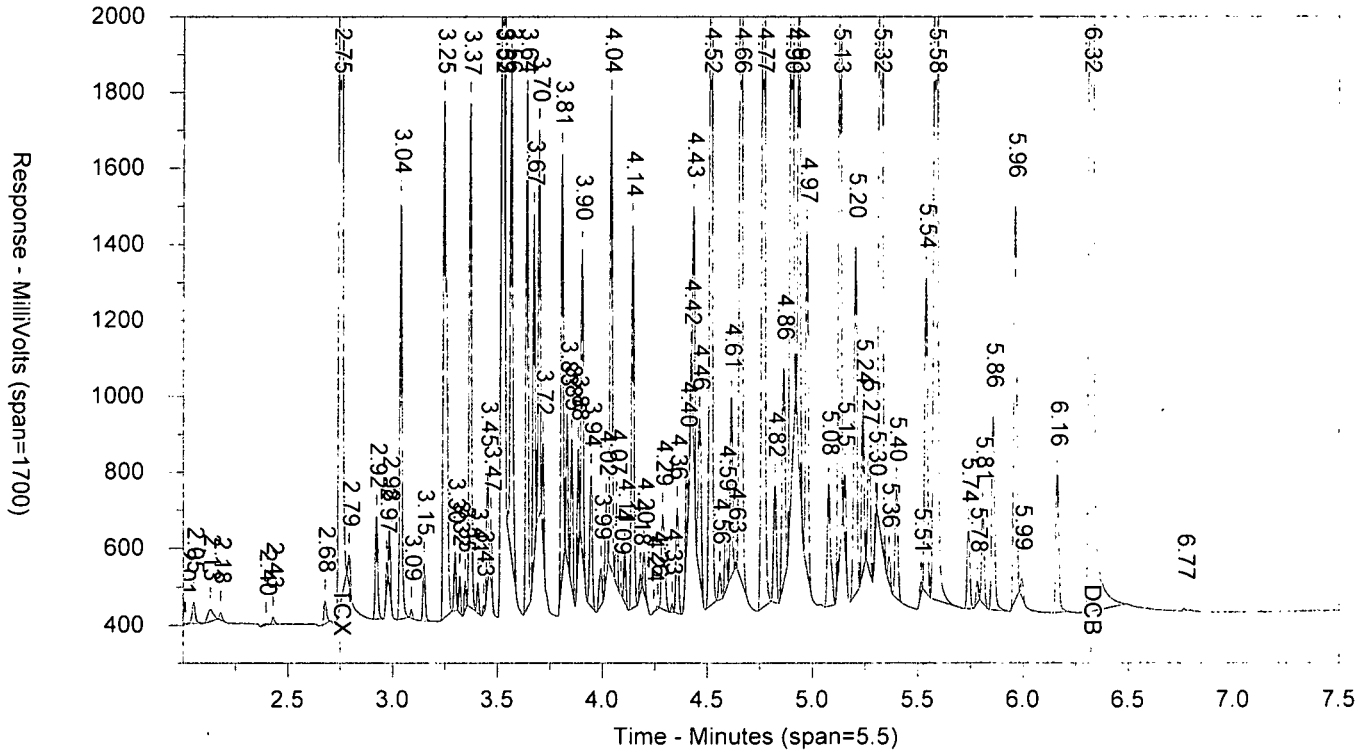

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.548		15173	20626
1.591		43486	81838
1.674		7579	74038
1.82		3129	4348
1.863		2517	2343
1.931		2395	2697
1.963		1492	2233
2.047		1754	809
2.129		34101	78943
2.185		169055	419986
2.316		174425	162955
2.41		29802	23087
2.427		66810	46843
2.518		5114	3946
2.59		7298	21876
2.641		2871	1328
2.663		75051	53007
2.874		101530	103767
2.942		7893	4798
3.029	TCX	40361620	26075060
3.13		7680	3950
3.18		1012895	851282
3.237		1066285	923220
3.286		4986319	3384999
3.362		61956	33894
3.38		565749	361693
3.419		14574	8958
3.502		5145782	3070162
3.519		2730121	1414603
3.557		565726	311762
3.573		196582	83727
3.586		284242	141495
3.618		6075321	4361114
3.654		24794	12926
3.673		58450	37257
3.693		296524	189309
3.73		1205163	716768
3.745		642430	325245
3.791		3314899	1768410
3.803		6739618	3469013
3.842		7261620	5449000
3.903		6210819	4529674
3.944		433028	303668
3.972		4008376	2894152
4		2925794	2607174
4.023		727045	378005
4.1		4470390	3184361
4.126		1596868	1030125
4.157		1716738	1217923
4.193		4673731	4658416
4.235		1343263	1064493
4.281		193823	162833
4.321		267207	190917

RT A	Compound A	Height A	Area A
4.357		4316574	3142516
4.377		1045122	579690
4.402		1150815	851139
4.472		559626	478199
4.515		4311775	3982891
4.551		172309	119212
4.591		1698	707
4.615		75109	62605
4.656		1111729	1050705
4.712		552254	362225
4.728		813387	562361
4.775		2482078	2205341
4.823		4000066	4302628
4.861		1018880	747076
4.901		9213071	8260697
4.945		187348	169181
4.991		1365322	1401803
5.026		287445	208970
5.051		1399256	1171905
5.104		7655323	6103273
5.121		997363	507610
5.155		2146182	1820001
5.196		5173389	5440336
5.238		103795	57914
5.275		1103024	1291496
5.31		12495320	11027960
5.333		509987	271083
5.35		236725	107285
5.375		6241891	5372907
5.417		3864789	3551947
5.514		1110205	926253
5.538		6373273	5490560
5.595		3328962	2863409
5.634		1767435	1662084
5.675		526250	495549
5.717		2284720	2106520
5.774		15815260	13792850
5.796		136619	67676
5.979		9164692	8569515
6.033		2447971	4561679
6.167		468453	435459
6.23		247024	199207
6.25		1318475	1035578
6.404		3364125	3126627
6.449		178926	149766
6.604		888823	910745
6.749	DCB	15008010	15833660
7.054		2941	1244
7.159		1536	500
7.222		12230	14184
7.395		1058	381
7.506		1639	457
7.537		1270	338
7.952		1252	543
8.318		1537	365
8.408		1256	462
8.455		1158	625
8.623		1406	505

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.517		3583	11371
1.62		760	6179
1.717		1495	1024
1.899		6335	30231
2.015		2027	6169
2.05		82407	79236
2.129		70337	140479
2.179		29053	22394
2.276		2708	2977
2.398		2807	4962
2.429		43815	37254
2.677		135759	157840
2.749	TCX	19556550	13502850
2.792		192582	145732
2.922		626314	491576
2.97		82080	40039
2.983		395577	234957
3.036		2555538	1826707
3.088		35110	21316
3.149		336668	256732
3.245		3230871	3557421
3.298		349925	232227
3.32		216623	135299
3.346		189497	109295
3.369		3160645	2345792
3.406		169518	111151
3.434		30527	13841
3.452		702450	397537
3.468		353604	185928
3.519		1367564	700847
3.528		3265544	1589481
3.548		40236	11086
3.562		3245003	2456608
3.638		3396664	2401005
3.672		2216864	1454101
3.696		2550858	1513652
3.714		575111	298386
3.805		2755887	2053779
3.829		906437	542505
3.852		943989	619369
3.883		633193	354843
3.901		1978262	1359076
3.944		794528	665780
3.992		195348	194708
4.016		478513	309720
4.039		3075234	2225050
4.066		518187	329862
4.086		76881	35101
4.105		292270	203601
4.142		2491011	1950706
4.179		107196	74575
4.195		231881	164536
4.242		9129	5119
4.261		22090	15693

4.285		500827	575408
4.33		36635	21156
4.355		651673	530078
4.4		561186	347257
4.42		219453	143858
4.432		1672980	1065900
4.46		969129	1006940
4.514		5945989	5089791
4.558		136926	119404
4.586		456264	334366
4.611		1179521	897671
4.655		6766968	5931523
4.764		5967649	6006840
4.82		704570	658604
4.86		1411728	1361034
4.896		7081039	6324838
4.931		3313922	2668017
4.97		2311673	1937263
5.034		9209	9729
5.075		770988	874910
5.127		4456010	3791828
5.152		453688	289424
5.202		2300770	2173209
5.237		1070481	865117
5.266		746895	694761
5.299		147474	102998
5.32		10807980	9694918
5.361		158003	121832
5.397		591275	529760
5.514		79571	51492
5.537		2013388	1812251
5.582		7301063	8269988
5.738		362269	336629
5.78		140373	107084
5.807		410421	357140
5.855		1201249	1155632
5.96		2564614	2337707
5.991		104949	76447
6.16		797916	781245
6.32	DCB	13927030	13470740
6.767		8813	7713
6.799		2547	2986
6.949		2407	2176
7.913		1698	1351
8.424		1709	1073
8.637		2827	4847

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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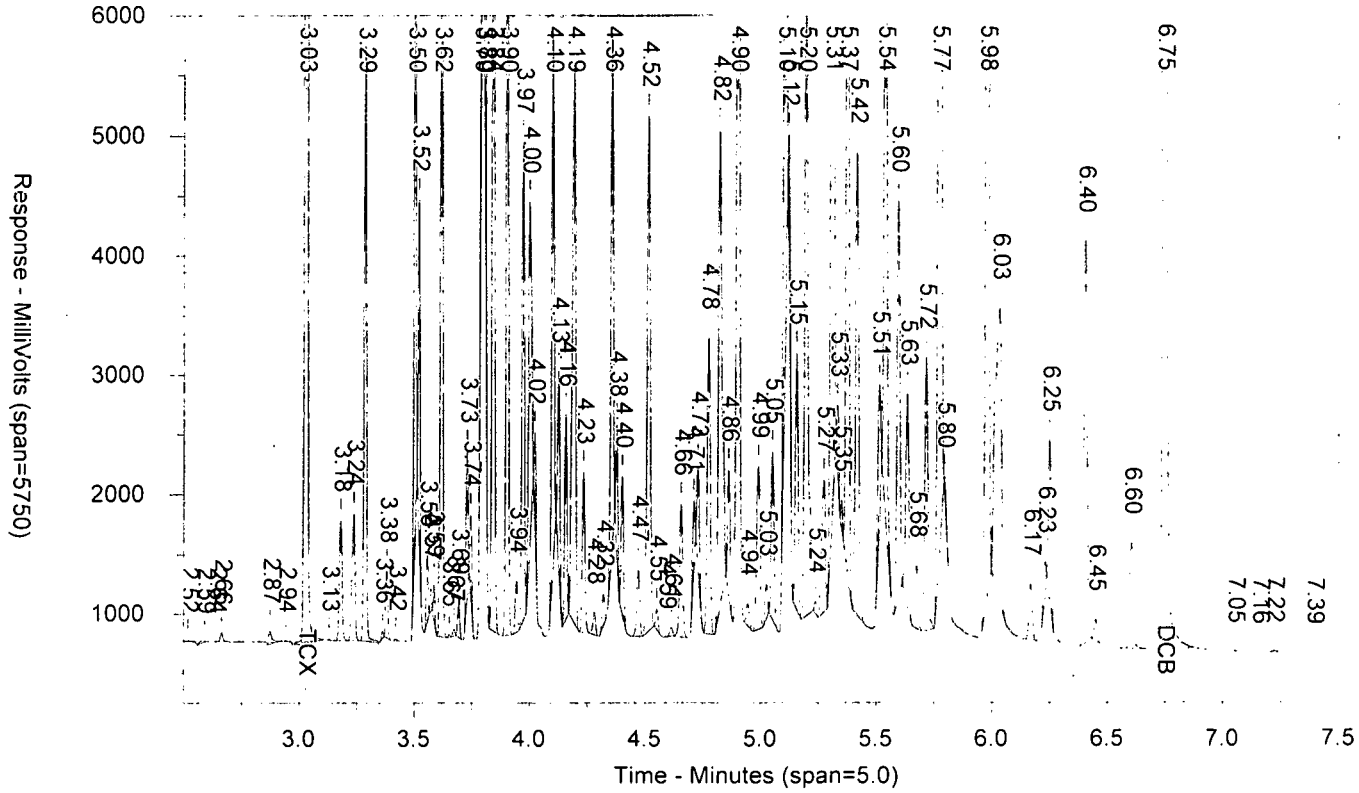

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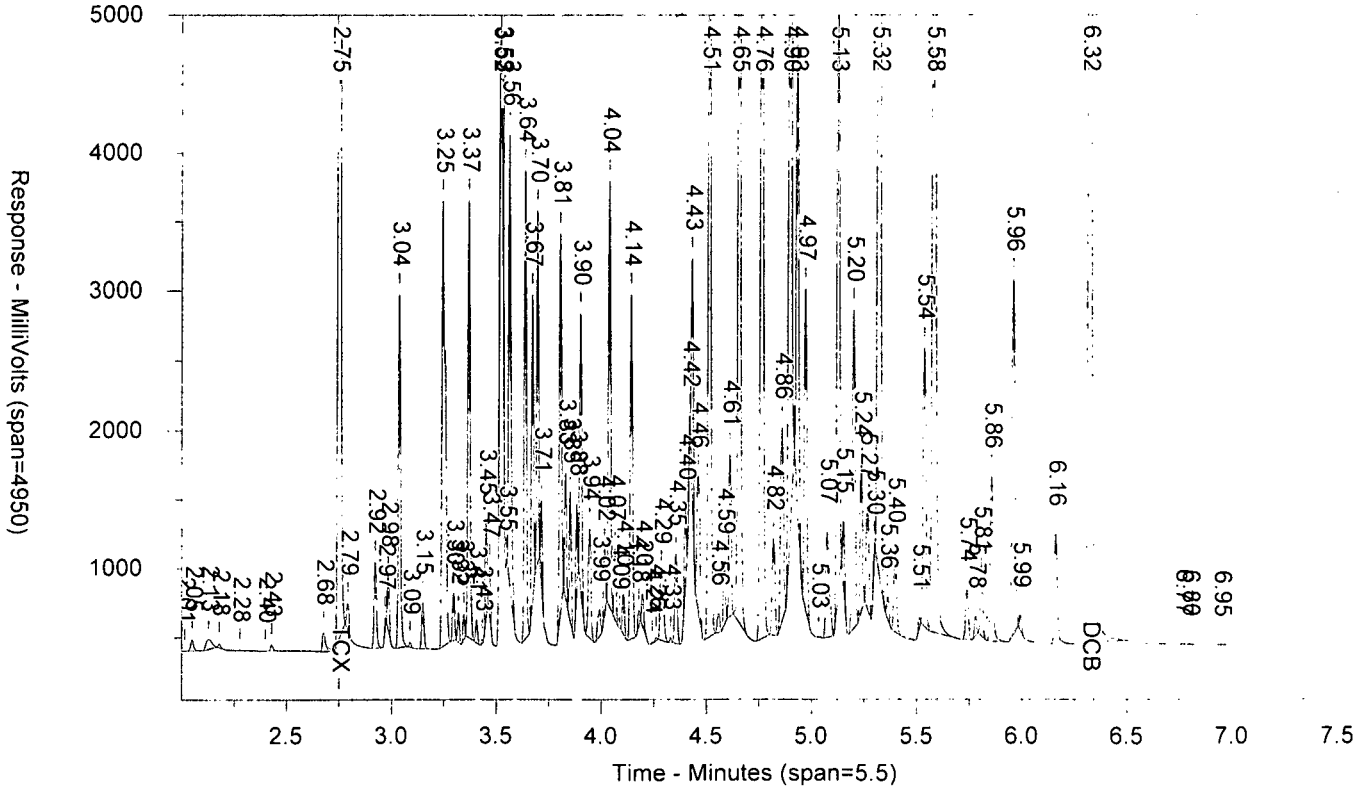

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:27:34 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	40361620	63.566	TCX	2.749	19556550	64.426	TCX
6.749	15008010	58.803	DCB	6.32	13927030	60.359	DCB

Files:
Area File: 07PCBS17292001.0011.RAW
Area File: 07PCBS17292001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:36:15 PM
File Reported On: 10/22/2017 at 1:34:14 PM

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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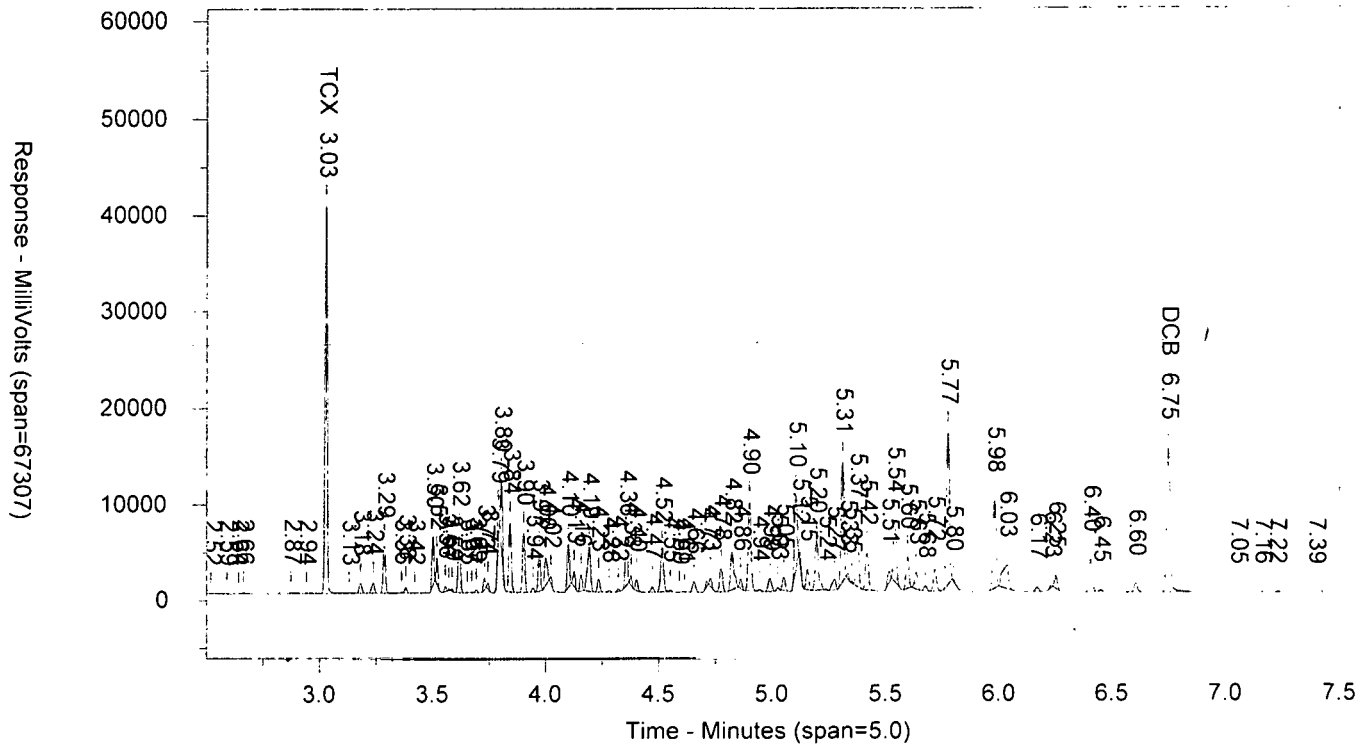

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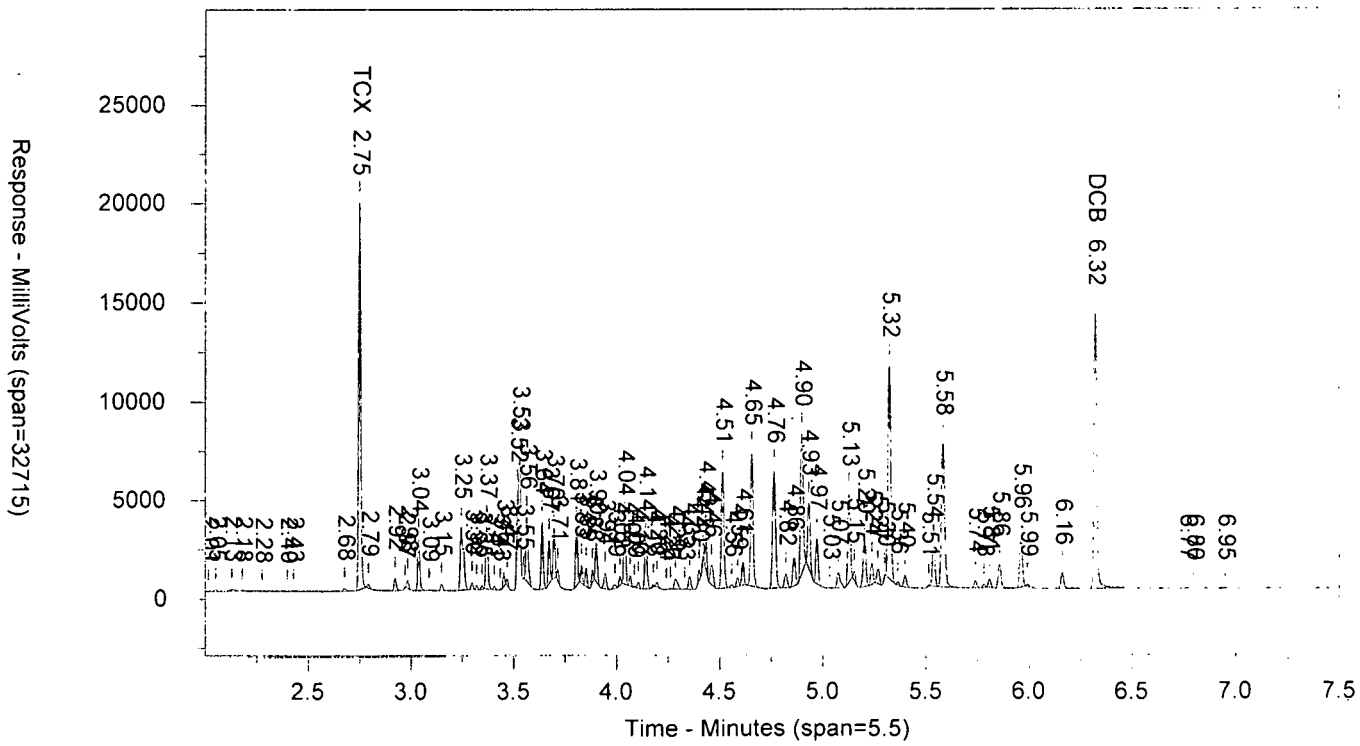

AR1651724B AAAR165AA ICAL 1729199999 10225 SW-846 8082

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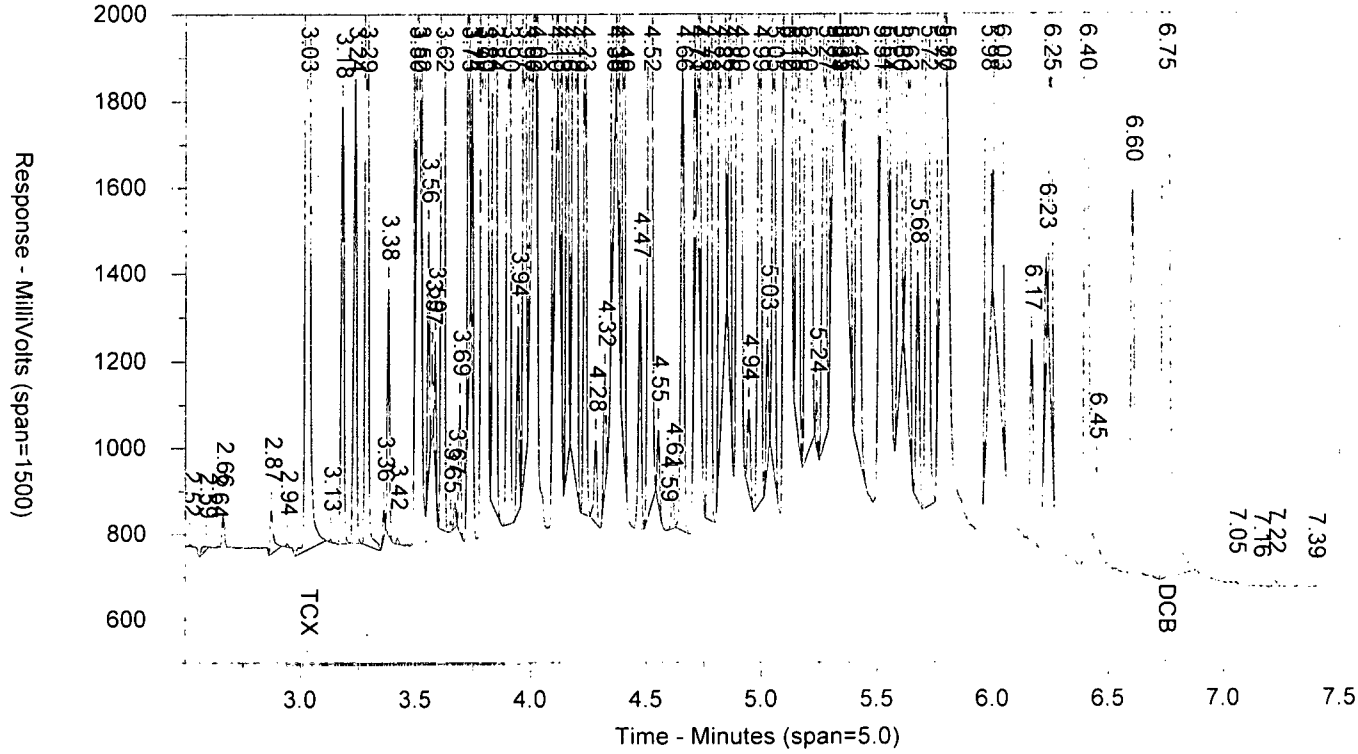

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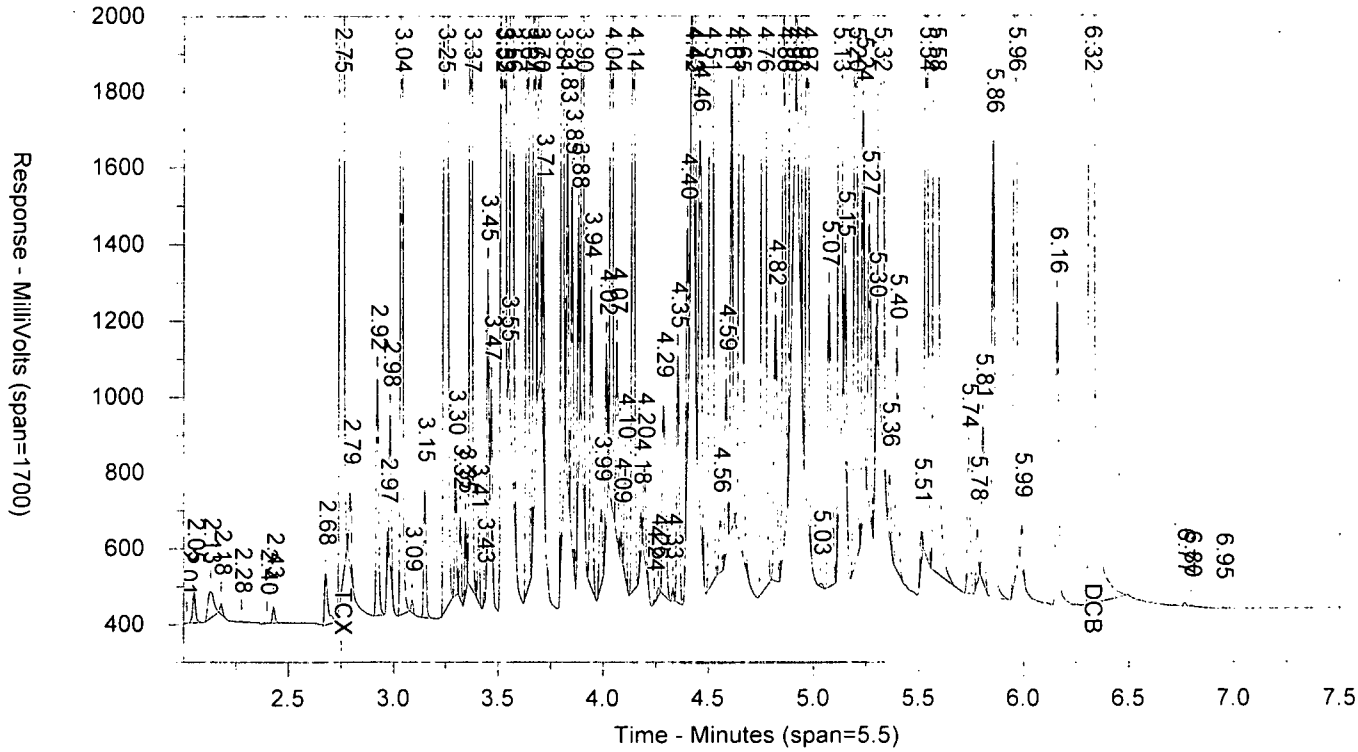

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		2484	2792
1.672		10486	80204
1.766		2125	1076
1.811		2071	1086
1.955		1921	1318
2.057		1522	1662
2.127		40367	82644
2.182		92355	257123
2.239		35568	88546
2.316		225848	203261
2.411		32357	24466
2.427		87821	69457
2.466		4766	5463
2.52		6774	4321
2.575		14606	13984
2.64		3204	2117
2.664		139930	102238
2.875		41659	31384
2.948		6677	3453
2.995		8261	11087
3.029	TCX	50182250	33214260
3.13		8078	4178
3.181		1978883	1638681
3.238		1918588	1588167
3.286		9501455	6330584
3.362		73718	37884
3.381		1090952	703316
3.42		30592	19488
3.503		9457811	5643844
3.52		5044246	2682883
3.557		1055042	596448
3.572		402254	169858
3.587		577688	287707
3.619		11758980	8333108
3.654		47422	23429
3.672		85457	54448
3.694		592538	402511
3.73		2478627	1416235
3.745		1268243	655720
3.792		7004293	3537335
3.804		12586100	6499756
3.843		14236360	10604020
3.903		11930490	8849435
3.945		816814	578790
3.973		7885107	5562418
4.001		5710105	5169808
4.024		1358356	700428
4.101		8789884	6088853
4.127		3127719	2046393
4.158		3443597	2414925
4.193		9091747	9196027
4.235		2659808	2076605
4.282		373493	320442

RT A	Compound A	Height A	Area A
4.321		528905	369953
4.358		8517108	6112167
4.378		2078821	1160801
4.402		2284143	1691851
4.472		1074785	920941
4.517		8568361	7715024
4.551		353238	245690
4.592		2597	1144
4.615		162737	135567
4.657		2399492	2316953
4.713		1084055	727775
4.729		1793729	1123876
4.775		5089394	4345108
4.823		7646756	8326303
4.862		2093496	1496749
4.902		18195280	16280940
4.946		424339	377128
4.991		2705294	2755517
5.026		524418	373433
5.051		2669109	2285474
5.104		19557750	24172630
5.155		4129038	3566736
5.196		10561510	10745170
5.238		242987	145423
5.274		2014285	2384731
5.31		25672700	22154670
5.333		1121971	543056
5.351		521846	232413
5.375		12433430	10577860
5.418		7507550	6976960
5.514		2151784	1805325
5.538		12912830	10812970
5.596		6457238	5558474
5.634		3503752	3288776
5.675		889538	876718
5.718		4289958	4156410
5.774		31322890	28069130
5.796		207027	135358
5.979		18210650	16932830
6.033		4999394	8955109
6.167		720933	658300
6.229		371743	319726
6.249		2551328	2154243
6.404		6391509	6093862
6.448		345854	304626
6.603		1736614	1660478
6.75	DCB	20513960	20817770
6.918		3023	1325
7.148		1602	1023
7.199		1196	557
7.223		15220	16554
7.439		2244	2085
7.564		1330	879
7.816		1972	1394
7.901		1221	626
7.97		1238	679
8.138		912	143
8.167		1824	774
8.31		1238	734
8.398		1371	252
8.488		1290	614
8.579		1518	507
8.626		1683	890

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.624		2595	9743
1.79		2806	2802
1.919		5424	20625
2.007		2126	4670
2.05		102918	98707
2.129		29662	57186
2.179		41460	34318
2.271		3342	3572
2.314		2085	1395
2.401		2519	4909
2.429		83097	73223
2.659		4652	3562
2.677		58487	49279
2.706		15251	10756
2.749	TCX	25325880	17660040
2.792		356903	281825
2.922		1171470	921280
2.971		64084	35046
2.983		774726	478196
3.036		4840816	3426744
3.088		46487	27355
3.149		623270	473319
3.246		5789852	6653383
3.298		661909	432735
3.32		384266	240725
3.346		347790	206993
3.369		5886610	4426768
3.406		339359	220526
3.434		25422	11733
3.452		1326558	759930
3.468		689449	356843
3.519		1873062	1301896
3.528		6544169	3164965
3.562		6291617	5092220
3.638		6641302	4645344
3.671		4211936	2778058
3.696		4890000	2971724
3.714		1116595	573798
3.805		5326301	3944101
3.83		1819169	1042542
3.851		1823927	1170587
3.883		1278835	725563
3.901		3945267	2670056
3.944		1520346	1259481
3.992		423028	408994
4.017		907378	583818
4.039		5948585	4285922
4.066		1031291	639710
4.086		141882	67693
4.105		566782	376703
4.142		4703833	3719165
4.179		242370	164147
4.196		435915	304795
4.242		18742	10302

4.263		39305	30557
4.286		1070745	1224455
4.331		69648	39548
4.355		1278207	1013240
4.401		970196	609787
4.42		550138	343742
4.433		3215188	1999952
4.461		1818718	1902983
4.514		11386790	9739925
4.558		301719	250992
4.586		858457	631449
4.611		2260420	1693714
4.633		22649	7091
4.656		13166750	11175570
4.764		11539020	11587240
4.82		1380433	1264754
4.86		2657332	2555495
4.897		13401620	12106090
4.931		6221433	4955813
4.971		4416137	3721213
5.035		20477	20520
5.075		1532588	1671986
5.127		8822566	7332621
5.151		852879	541583
5.202		4368123	4117647
5.238		1970913	1598911
5.266		1378518	1255254
5.299		336958	199566
5.32		20787940	18913350
5.361		322775	235231
5.396		974414	874919
5.513		142485	91679
5.536		3825940	3451240
5.582		14183360	16096810
5.738		517475	485424
5.78		277521	212953
5.806		574783	492653
5.855		2272771	2170330
5.959		4968268	4553991
5.991		199789	143934
6.16		1406768	1405481
6.32	DCB	17717280	17567250
6.494		8665	6978
6.769		11269	10725
6.944		2886	3960
7.917		1990	2256
8.627		2195	3181

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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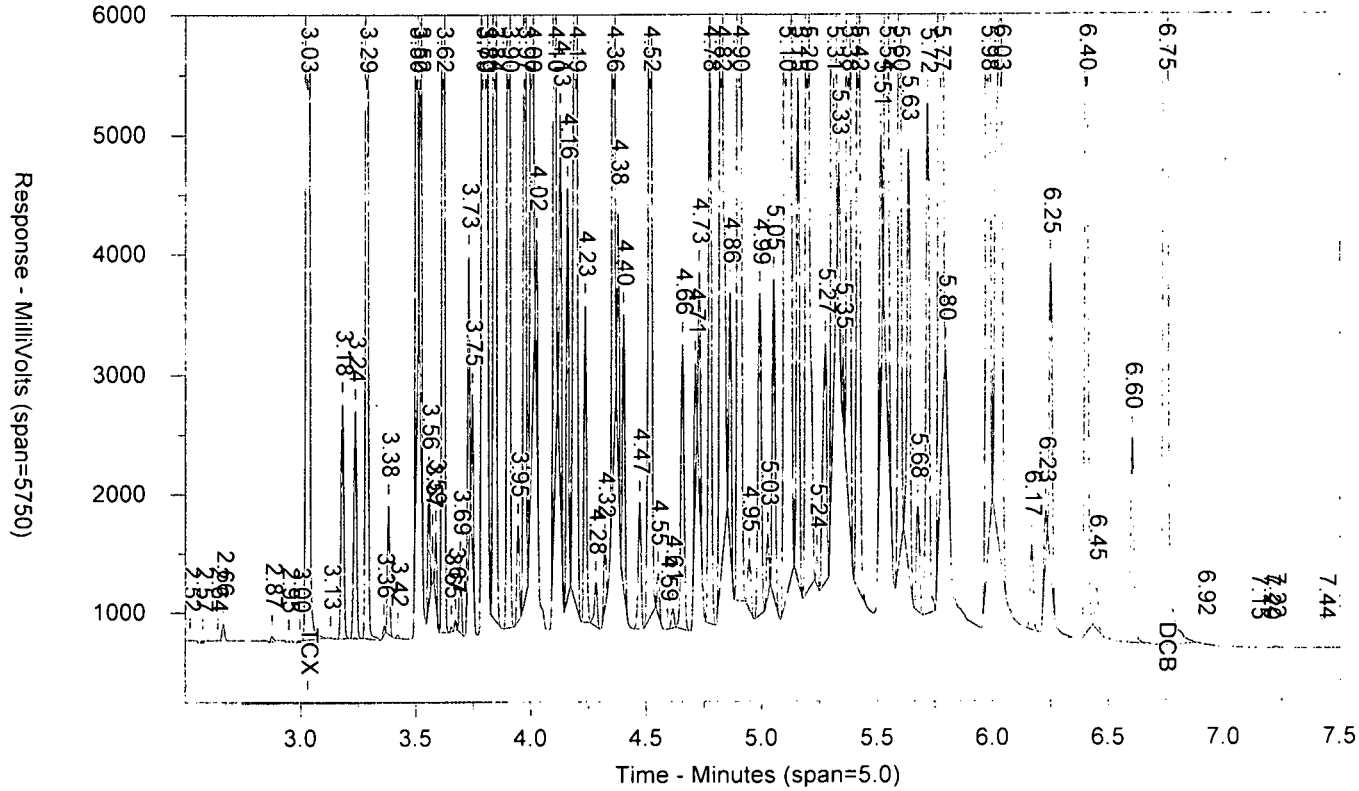

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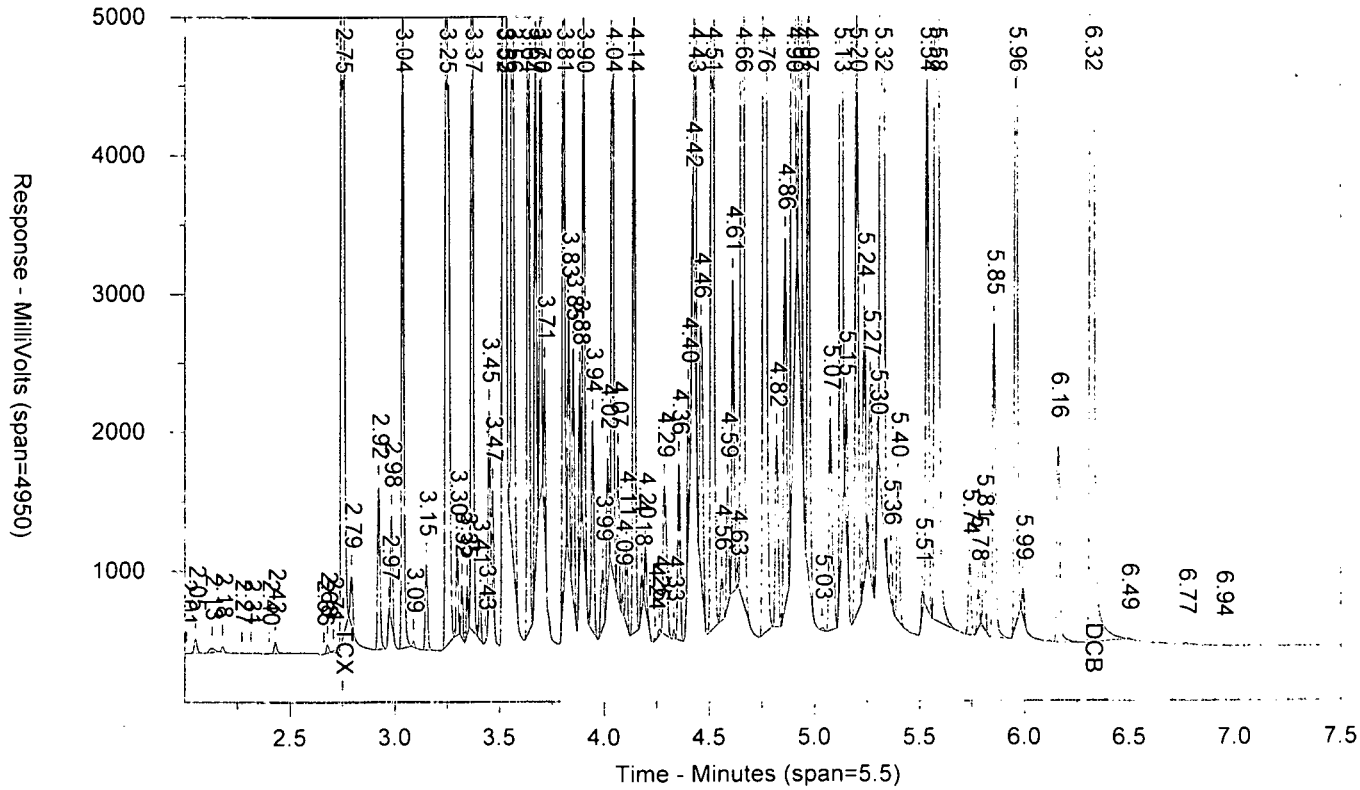

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:39:00 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	50182250	79.033	TCX	2.749	25325880	83.433	TCX
6.75	20513960	80.376	DCB	6.32	17717280	76.785	DCB

Files:
Area File: 07PCBS17292001.0012.RAW
Area File: 07PCBS17292001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:47:40 PM
File Reported On: 10/22/2017 at 1:34:25 PM

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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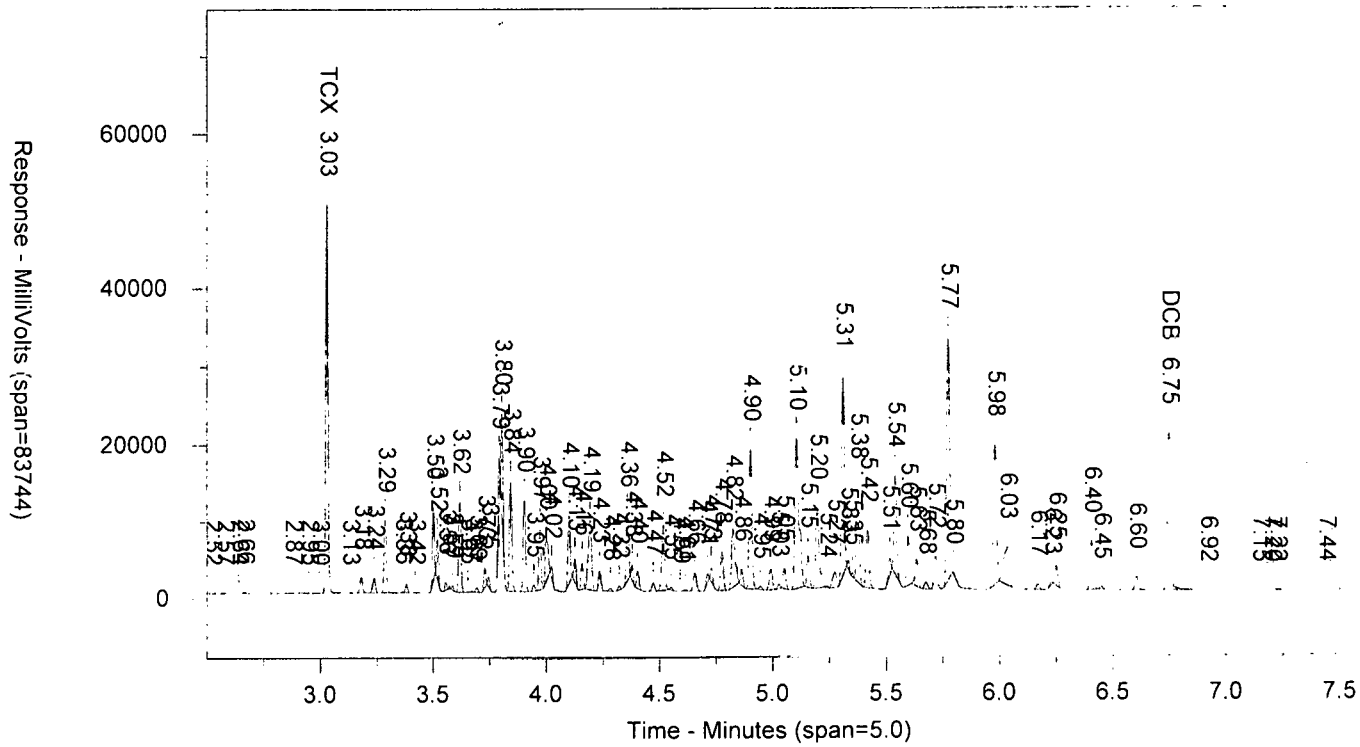

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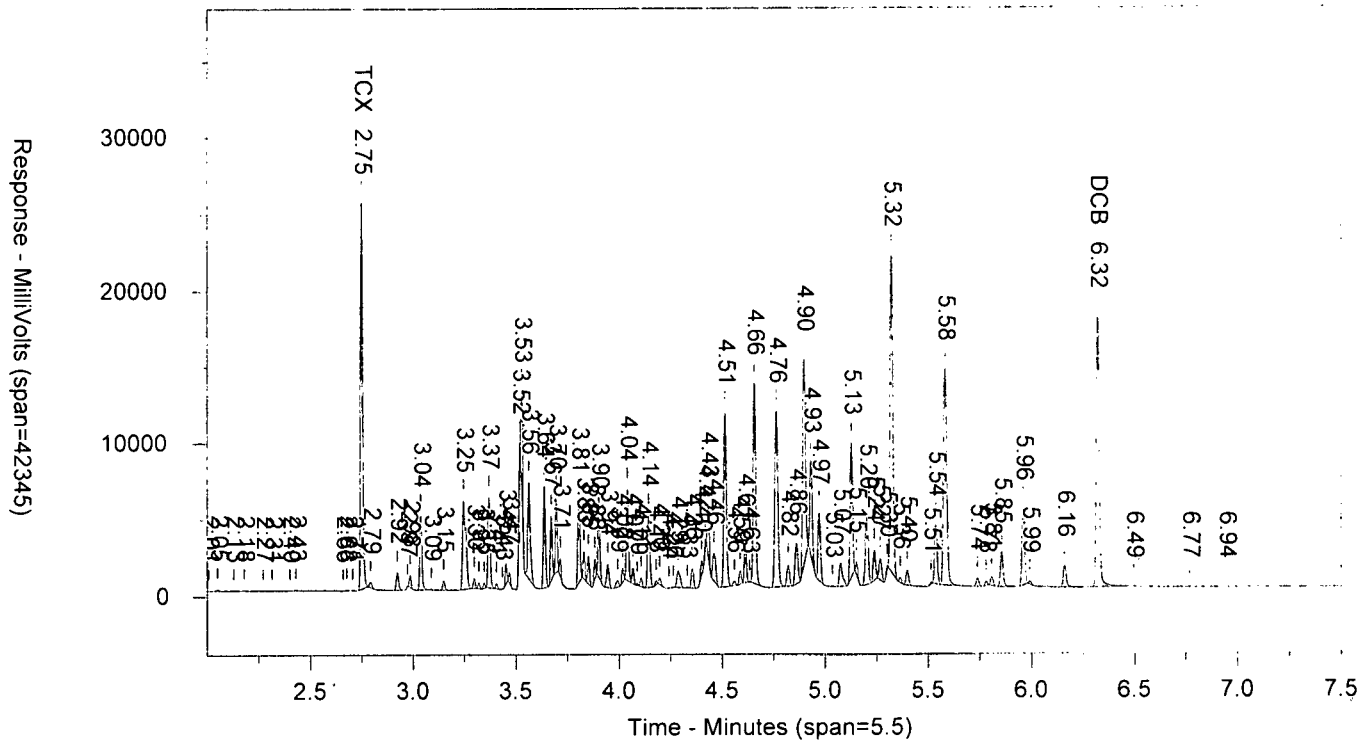

AR1661724A AAAR166AA ICAL 1729199999 10225 SW-846 8082

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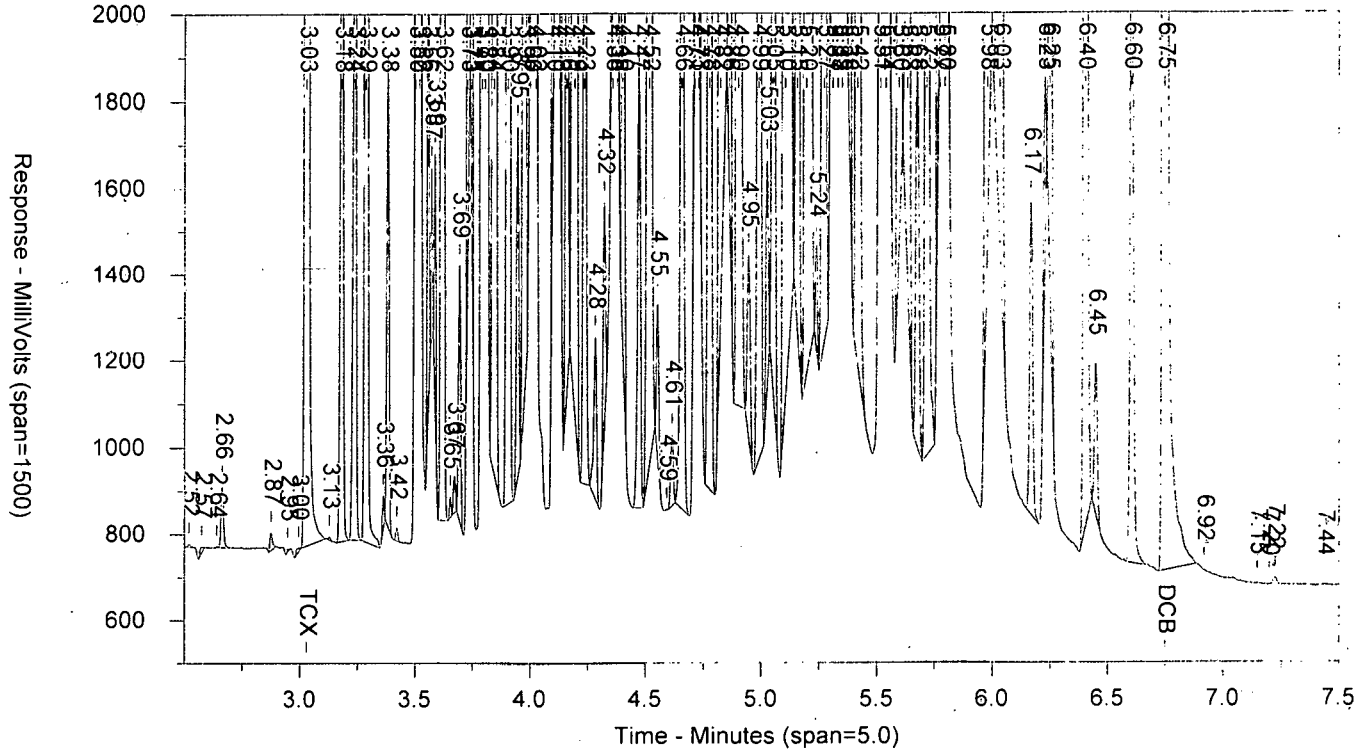

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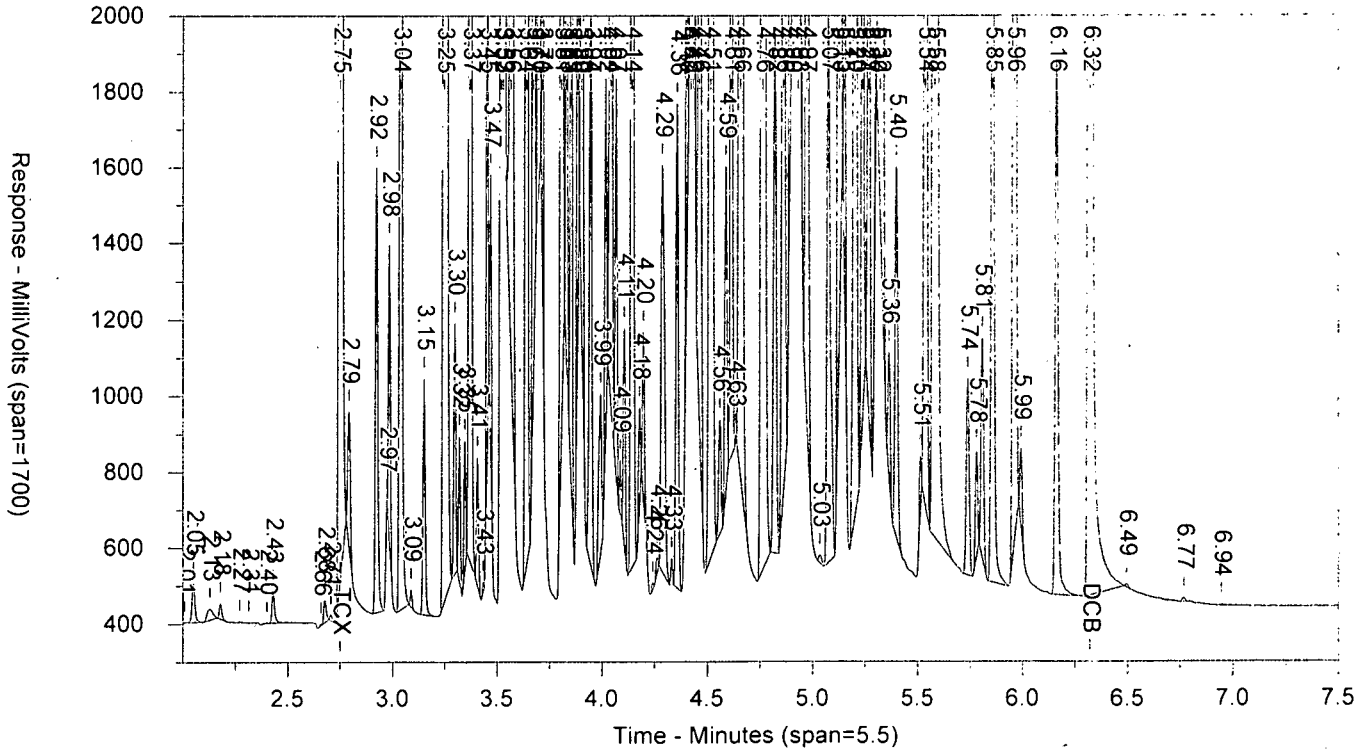

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.68		8535	101430
2.046		2530	2017
2.14		24759	87817
2.184		116792	233257
2.317		6093	5200
2.411		29730	19260
2.584		10681	20080
2.638		1944	873
2.875		99642	98158
2.961		16969	17563
3.002		7707	17509
3.029	TCX	1185162	774061
3.182		25957	20801
3.231		17130	16824
3.286		64081	44144
3.38		20958	35565
3.503		156644	94595
3.52		53760	27658
3.557		9061	4861
3.572		8846	4721
3.602		5902	3076
3.619		142694	95578
3.695		9677	4729
3.73		27054	16302
3.745		9475	4799
3.792		129106	70954
3.803		115615	60046
3.842		203039	160707
3.902		176774	133874
3.944		25494	17709
3.972		296164	214347
4.001		183072	157922
4.023		48891	26166
4.053		4436	4523
4.101		322199	237101
4.126		93721	61228
4.157		115366	83870
4.193		269483	253801
4.235		88367	70451
4.28		11583	10376
4.322		24376	20262
4.357		234350	162665
4.377		253265	168335
4.402		303194	224002
4.472		26633	24320
4.511		255277	222632
4.532		66676	35327
4.552		54235	33119
4.591		3213	1887
4.617		13286	9684
4.659		76635	69255
4.712		121353	107773
4.745		61618	47170

RT A	Compound A	Height A	Area A
4.775		187246	162750
4.823		4614	3152
4.861		67940	60063
4.902		17480	18938
4.95		16974	14744
4.992		117120	106859
5.025		7720	6492
5.062		5546	5509
5.107		4618	3003
5.122		11545	8024
5.193		116864	110928
5.239		3772	2293
5.266		14996	15786
5.311		33481	30551
5.333		1842	899
5.351		3189	1105
5.375		5453	3430
5.418		2628	1886
5.479		4601	8302
5.517		8735	7919
5.538		4216	2397
5.592		12692	15319
5.673		8385	7913
5.716		6905	6087
5.77		11091	8212
5.798		17992	20459
5.978		8107	6242
6.02		2088	2883
6.106		2576	1770
6.167		11676	11670
6.232		12622	11120
6.405		3614	3998
6.547		1260	462
6.603		7661	7272
6.69		1956	1364
6.749	DCB	493284	531262
6.88		1417	1693
6.968		1511	626
7.049		5980	12801
7.104		1215	357
7.269		1513	1377
7.371		880	250
7.465		1081	412
7.528		1690	1158
7.825		1779	760
7.841		1208	396
7.888		1011	375
7.938		953	677
8.169		1265	432
8.298		1104	678
8.406		1692	2718
8.46		1062	560
8.576		1260	1504
8.657		1344	655

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		1579	860
1.608		2994	7138
1.748		978	2573
1.895		3207	7911
2.042		21985	37767
2.128		66316	185905
2.401		3313	7392
2.433		1546	858
2.61		2352	5803
2.677		135342	152903
2.749	TCX	560135	404364
2.922		17715	14258
2.97		5911	3099
3.037		39604	26950
3.089		3159	5088
3.124		1639	858
3.149		7156	6751
3.246		111066	116064
3.298		6559	3692
3.322		26830	22174
3.37		89603	70199
3.406		13447	8757
3.453		15186	8559
3.469		6409	3275
3.519		56421	31356
3.528		60384	28615
3.549		10242	3966
3.564		90902	67161
3.639		112128	81150
3.672		185910	125008
3.696		160307	99204
3.715		43089	22386
3.806		217618	163429
3.83		63086	37892
3.852		72914	48324
3.884		32975	18852
3.902		133190	92573
3.945		62148	48486
3.993		10954	9377
4.017		100051	68127
4.04		263190	190511
4.066		164372	115422
4.105		12445	7137
4.143		87359	69044
4.181		121588	111659
4.211		55161	34321
4.258		11891	13618
4.295		52530	46384
4.356		82537	69990
4.39		44770	33311
4.419		130596	118023
4.517		54730	60584
4.553		10589	8509
4.588		79640	73061

4.632		3609	2468
4.656		12510	9684
4.683		5059	4191
4.762		14076	12170
4.816		68748	63626
4.87		7180	7857
4.898		22010	27478
5.126		4351	3157
5.152		6612	5612
5.274		5799	4712
5.321		8506	8062
5.396		9472	8690
5.537		2788	1885
5.582		7132	7526
5.739		10495	11078
5.806		13616	13100
5.856		5255	5549
5.96		3287	3298
6.159		6938	6436
6.32	DCB	481769	485128
6.796		3149	4472
7.977		1393	2079
8.635		5423	22474

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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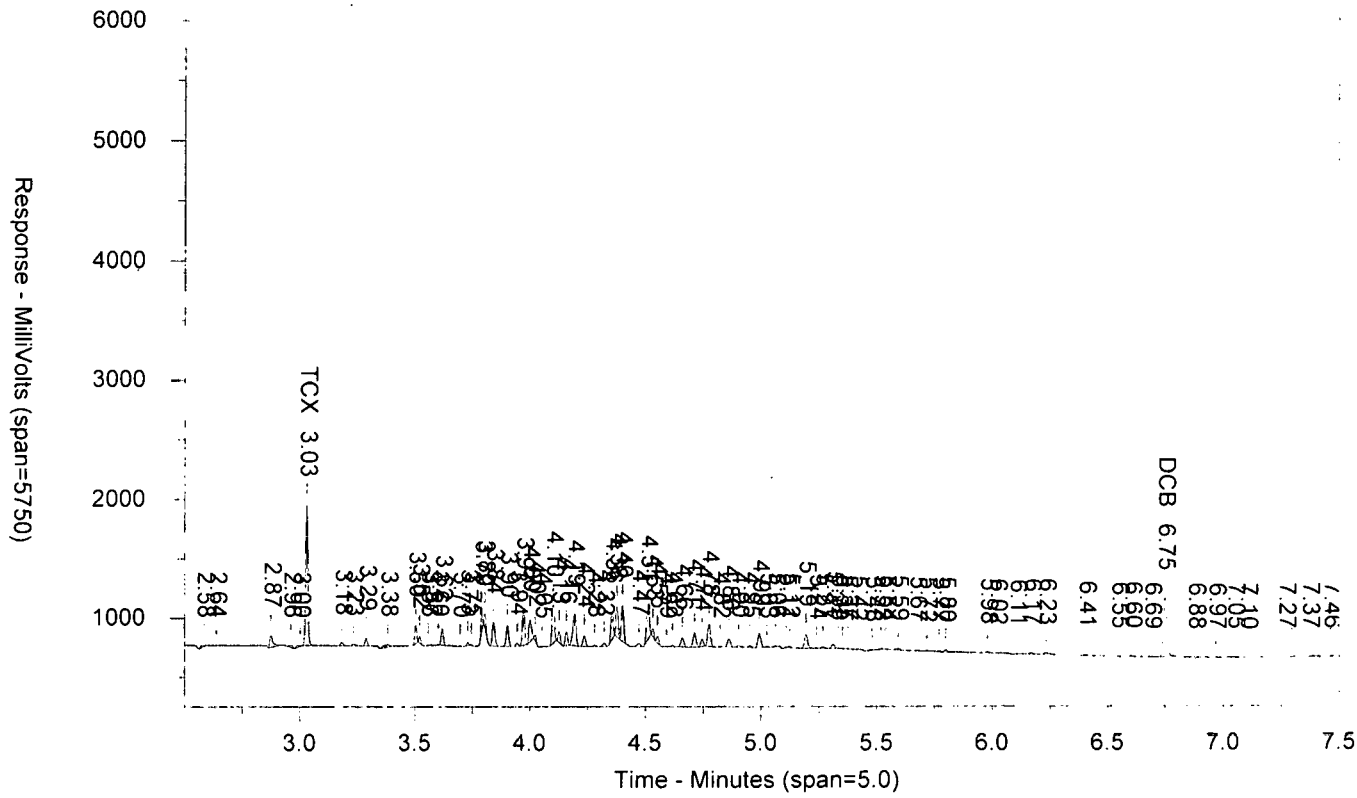

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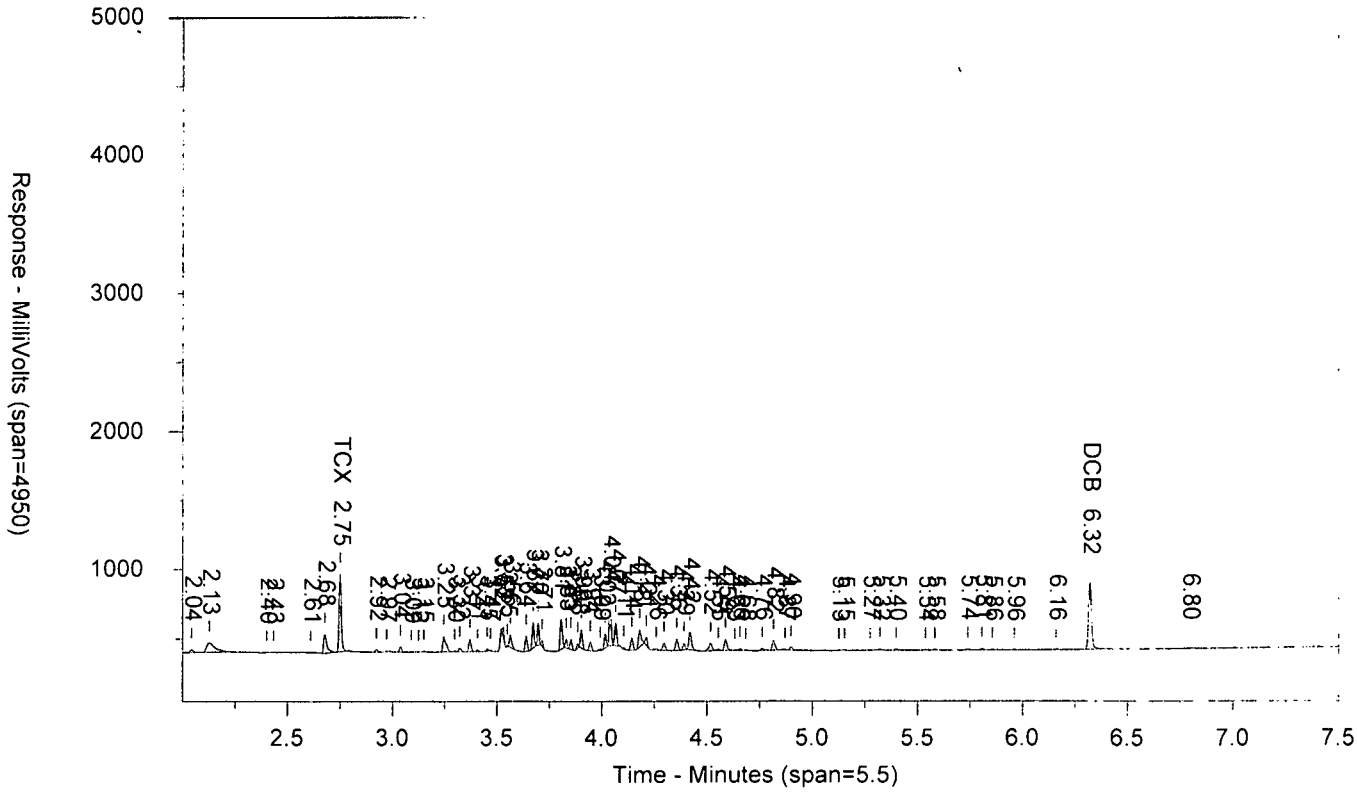

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 9:50:30 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	1185162	1.867	TCX	2.749	560135	1.845	TCX
6.749	493284	1.933	DCB	6.32	481769	2.088	DCB

Files:
Area File: 07PCBS17292001.0013.RAW
Area File: 07PCBS17292001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 9:59:12 PM
File Reported On: 10/22/2017 at 1:34:34 PM

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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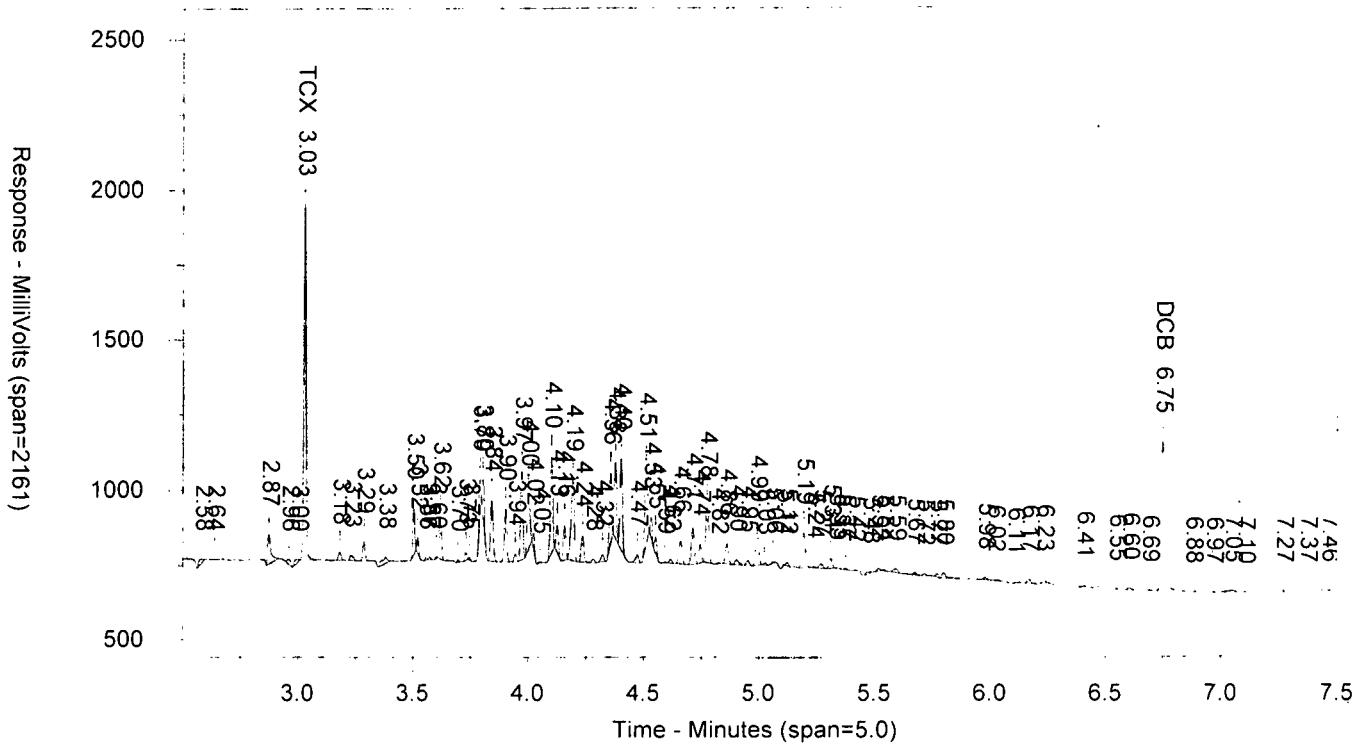

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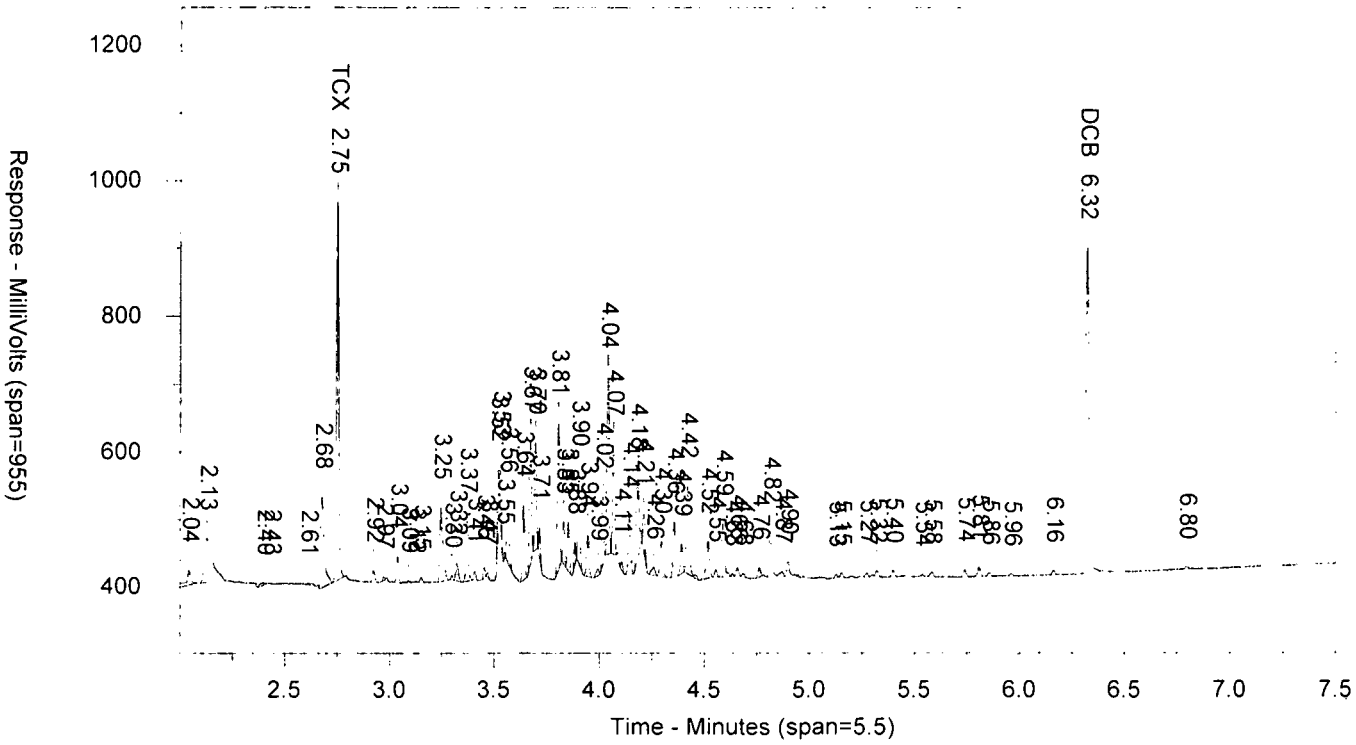

AR4811724C AAAR481AA ICAL 1729199999 10225 SW-846 8082

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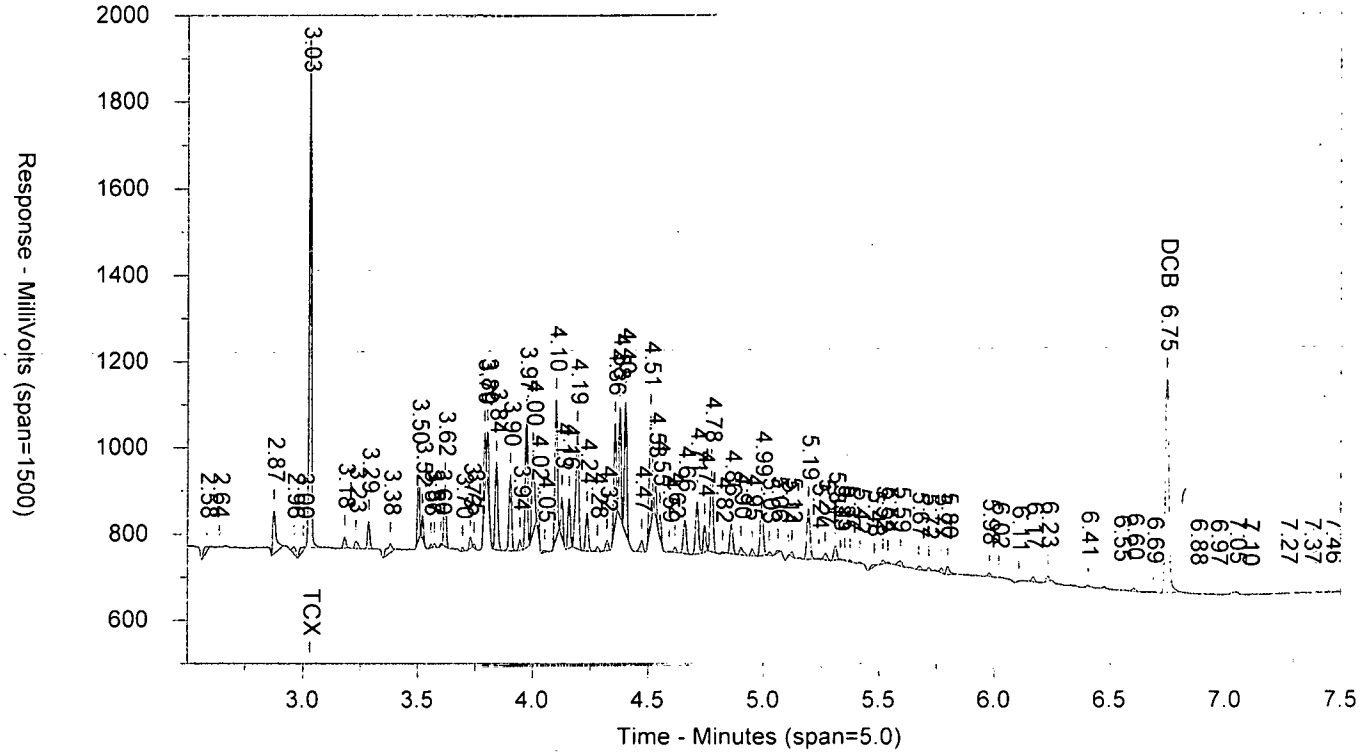

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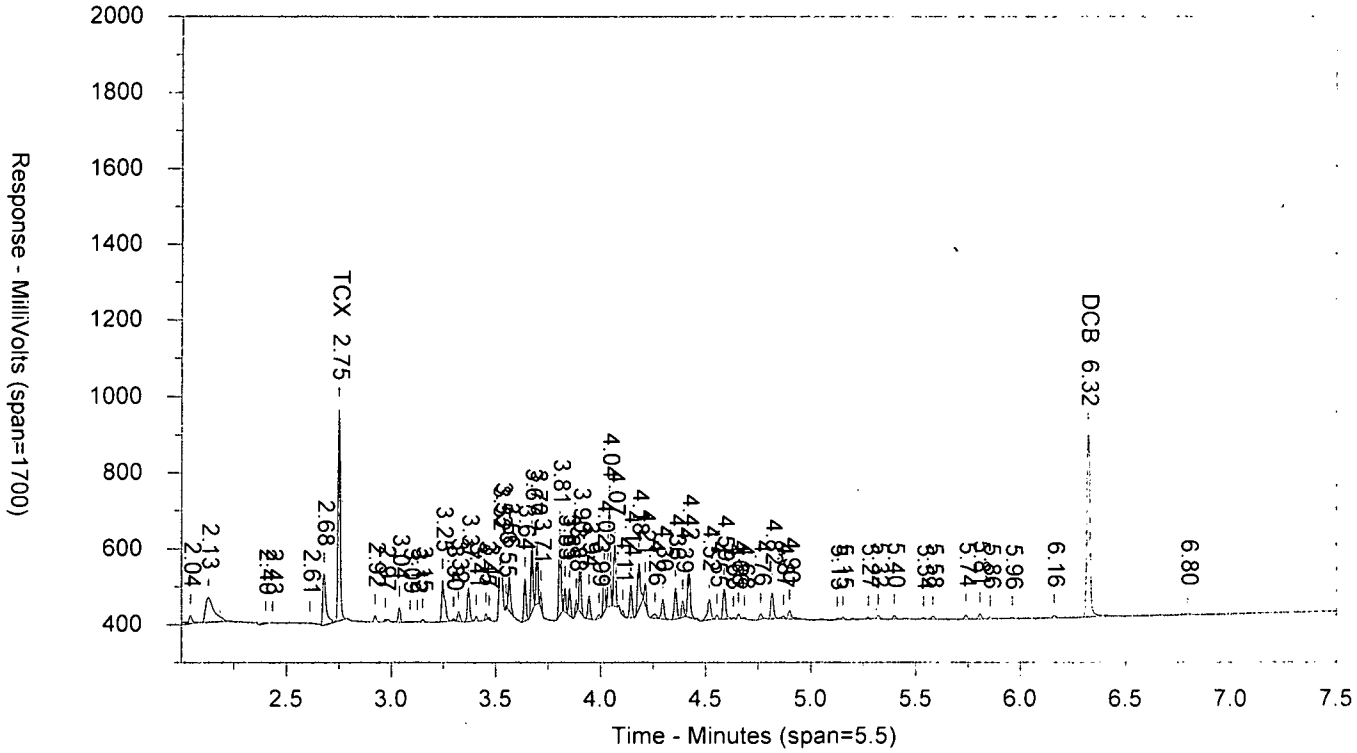

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		1737	1286
1.682		30912	193077
1.935		1597	759
2.132		50538	171069
2.185		110191	304669
2.237		36228	78171
2.315		15763	15239
2.41		159786	107958
2.469		3397	3259
2.551		50266	37437
2.588		38439	82879
2.622		22617	23990
2.666		6175	4804
2.696		3908	2693
2.747		3255	1741
2.874		54619	47387
2.957		15277	20277
2.997		10941	18313
3.028	TCX	2442913	1598684
3.116		9325	5947
3.181		47295	37249
3.231		35157	33000
3.285		115918	82514
3.362		12007	9990
3.38		20524	13891
3.502		299335	174667
3.519		95066	50258
3.556		18160	10189
3.572		18707	11051
3.618		268908	193456
3.674		6221	3904
3.694		20323	12120
3.729		46632	28592
3.745		16567	8369
3.791		222324	122490
3.803		218036	110348
3.842		389136	289973
3.88		1017	169
3.901		314828	243433
3.945		48506	33979
3.972		541109	396542
4		340000	291226
4.023		91206	48641
4.049		7677	7828
4.1		593000	439857
4.125		175153	114663
4.158		211635	155726
4.193		492525	468118
4.234		166495	130670
4.281		19459	16513
4.322		47480	38201
4.356		423660	292767
4.376		471337	303884

RT A	Compound A	Height A	Area A
4.401		550653	424027
4.471		50081	47251
4.511		471600	405933
4.531		133335	70185
4.551		100078	61339
4.591		7215	4350
4.616		26184	19562
4.659		141246	127355
4.711		221756	189674
4.744		114112	84660
4.775		346301	300826
4.822		7068	5241
4.837		1832	606
4.86		123090	111043
4.901		31724	37311
4.95		29990	26915
4.992		218420	197948
5.027		17892	13966
5.073		27341	43319
5.106		7177	5242
5.121		17910	12794
5.154		4319	2669
5.192		212284	201228
5.241		4068	2896
5.267		28081	28350
5.31		54764	49358
5.332		3345	1610
5.374		8364	6575
5.417		10732	20585
5.478		2371	6039
5.517		15075	11717
5.536		5993	3782
5.592		12919	14789
5.672		16842	16074
5.715		11283	10037
5.771		14786	11112
5.798		33376	29499
5.978		14588	13921
6.021		1720	701
6.102		2170	945
6.165		24050	24291
6.23		35341	44128
6.403		6353	5678
6.47		2850	2003
6.602		15591	15602
6.748	DCB	1002138	1063429
6.938		1805	1146
7.038		2322	1751
7.161		1137	651
7.325		1069	711
7.442		1380	1578
7.646		1294	383
7.783		1283	777
7.84		4350	5573
8.078		1862	1509
8.169		1941	627
8.332		1590	869
8.475		1780	612
8.652		1086	1261

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.626		7441	27175
1.724		2643	6000
1.935		8586	41855
2.042		93472	102739
2.128		51121	213774
2.242		14997	37153
2.279		8945	7427
2.399		5234	11446
2.639		3491	3593
2.677		81286	91562
2.749	TCX	1177472	828454
2.837		6821	5305
2.922		32111	24864
2.97		10902	5682
3.036		68641	46209
3.089		2767	2047
3.149		12628	9716
3.245		195629	207045
3.298		12073	7275
3.321		23684	18294
3.369		156045	121625
3.406		22955	15306
3.432		2253	1225
3.452		26536	15220
3.468		11073	5454
3.518		100150	56987
3.528		109238	50803
3.548		16454	6381
3.563		160098	120661
3.638		196333	145649
3.671		337481	225123
3.695		293998	179640
3.714		75423	41122
3.805		398013	294182
3.829		114783	67635
3.851		127013	87847
3.883		59527	31900
3.9		240948	166709
3.945		108224	89121
3.993		18751	16871
4.016		187357	124978
4.04		491090	347703
4.065		313663	213416
4.105		21794	12652
4.143		156924	126431
4.18		218580	202001
4.21		98380	62211
4.259		19056	18813
4.295		94993	83342
4.355		150731	128171
4.389		83027	62496
4.418		230485	197432
4.517		98621	107248
4.552		20372	16481

4.586		144135	134394
4.633		6529	4187
4.656		18939	13475
4.684		9220	7583
4.762		25954	27747
4.816		132717	117883
4.87		13606	13843
4.898		36037	32980
4.97		2501	2090
5.127		6825	5412
5.153		11327	9904
5.2		4115	4015
5.237		1888	1119
5.274		10019	8399
5.3		3026	2185
5.321		12349	10568
5.397		20478	20506
5.535		5181	4883
5.583		10808	14217
5.738		20546	20441
5.806		29020	25913
5.854		8622	8537
5.958		5046	5157
6.087		1055	974
6.16		14479	13437
6.32	DCB	928553	963626
6.796		3372	3368
7.629		3993	6815
8.129		1557	1203
8.633		3846	16059

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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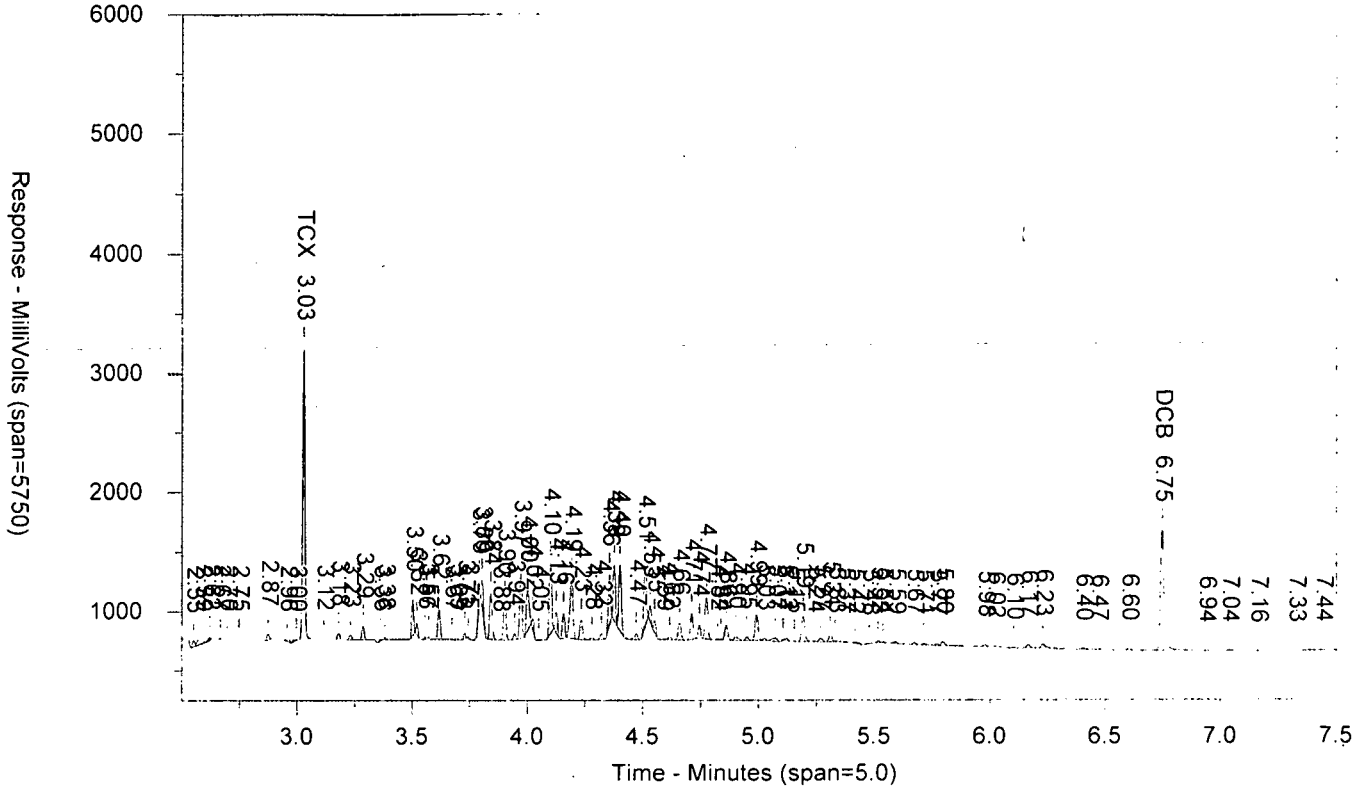

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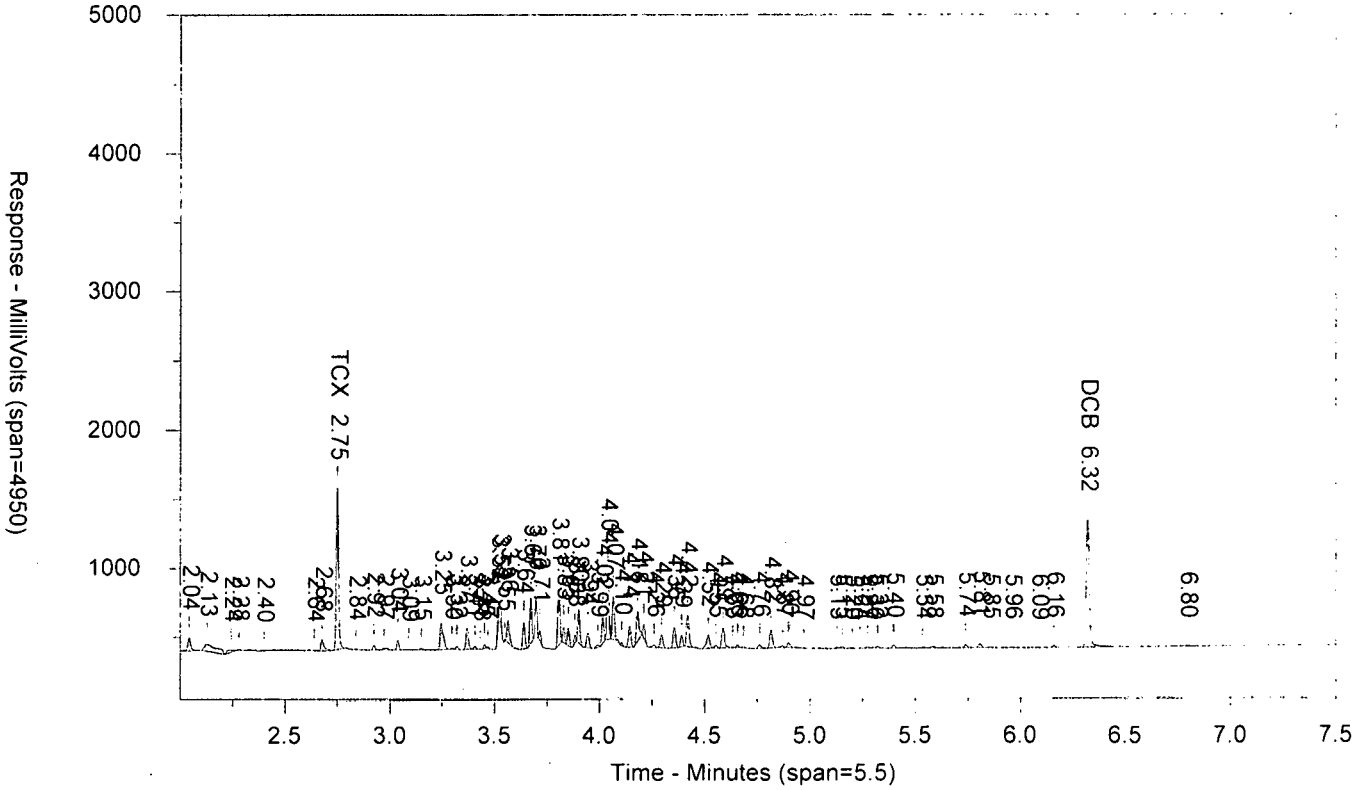

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:01:53 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	2442913	3.847	TCX	2.749	1177472	3.879	TCX
6.748	1002138	3.926	DCB	6.32	928553	4.024	DCB

Files:
Area File: 07PCBS17292001.0014.RAW
Area File: 07PCBS17292001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:10:35 PM
File Reported On: 10/22/2017 at 1:34:47 PM

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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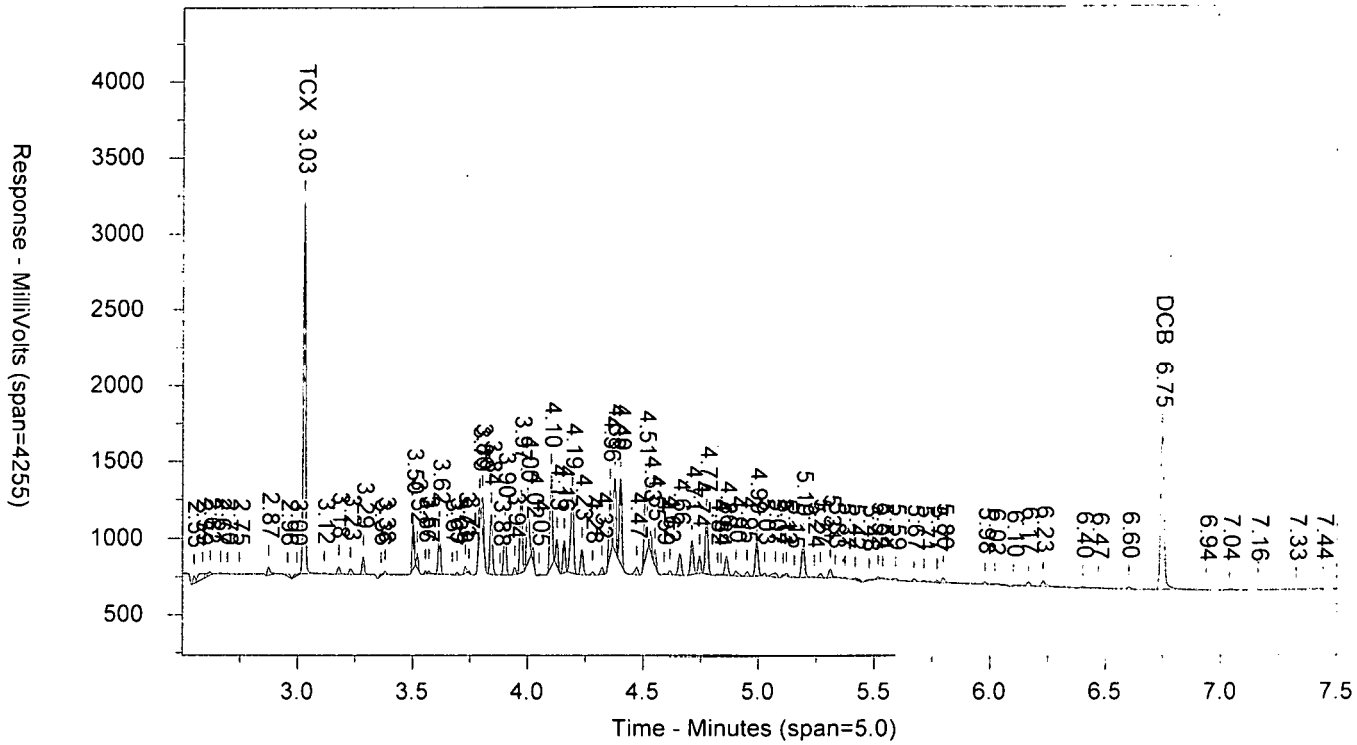

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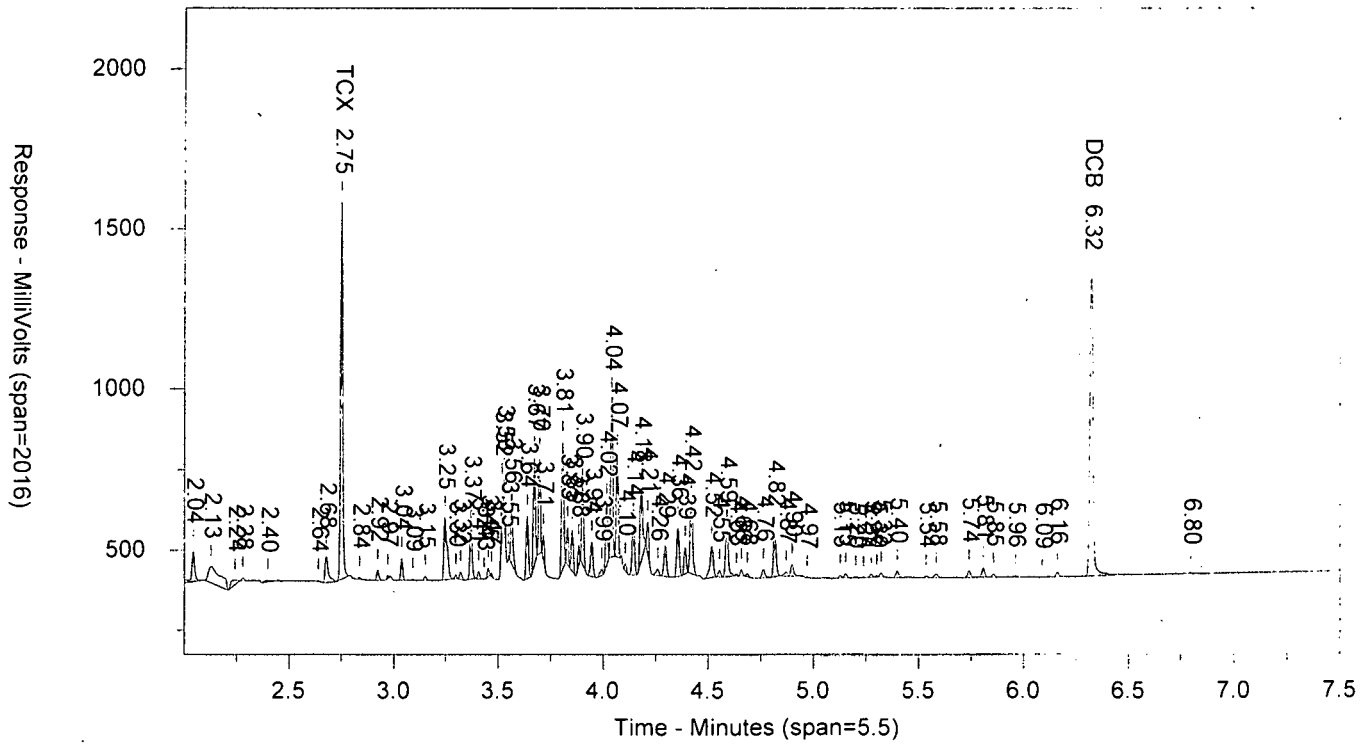

AR4821724C AAAR482AA ICAL 1729199999 10225 SW-846 8082

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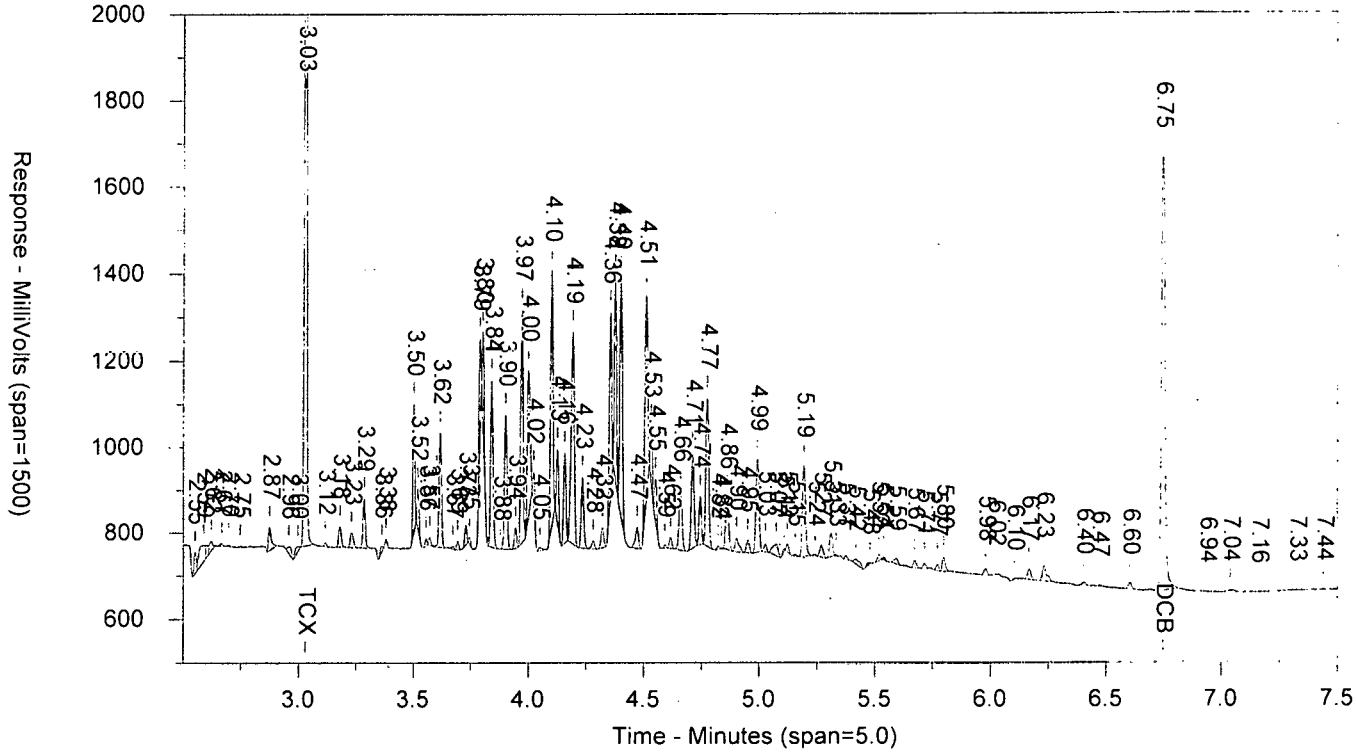

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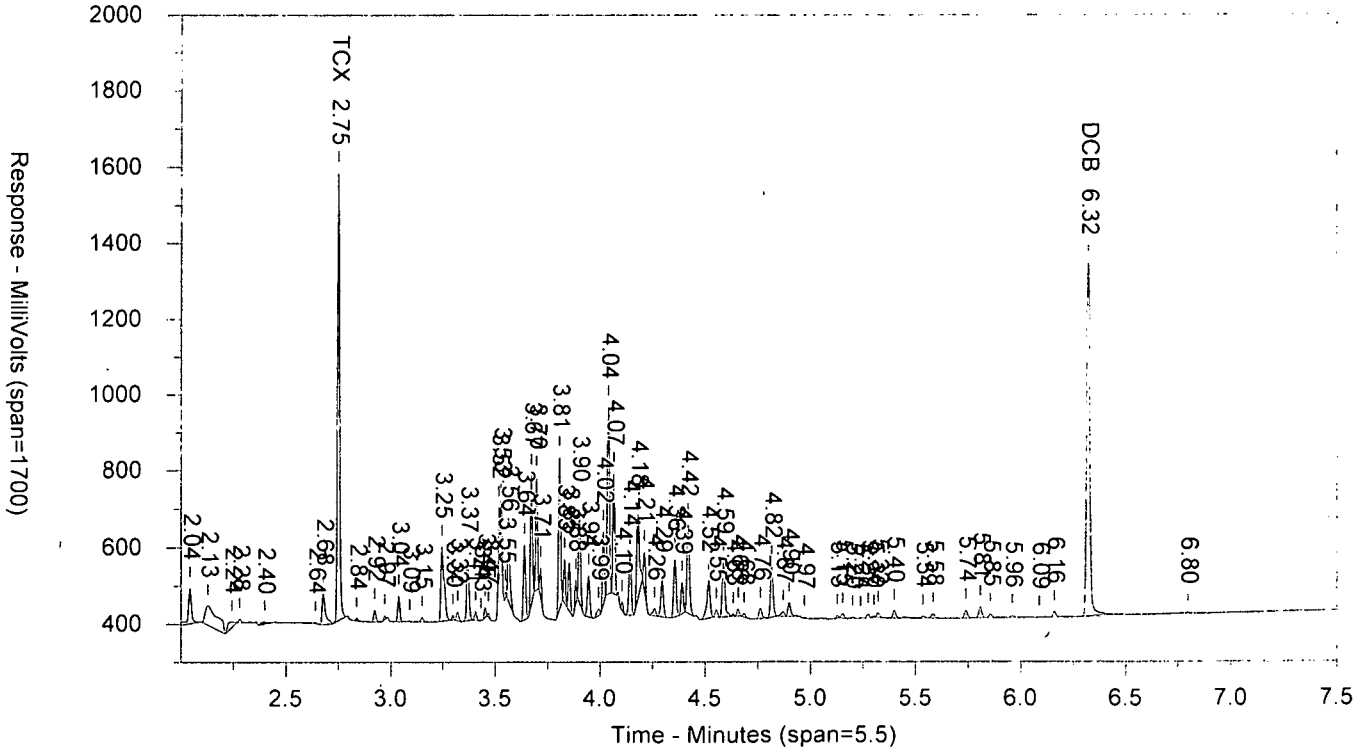

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		1926	1576
1.674		12561	105028
1.955		1961	905
2.127		48273	149192
2.183		188447	488309
2.235		59131	152370
2.316		79755	109638
2.41		38431	32250
2.427		30310	27021
2.47		5150	4032
2.594		14987	44161
2.663		8577	7316
2.841		1689	1037
2.874		105959	100343
2.959		15630	16857
3.029	TCX	12439250	8206095
3.129		3097	1435
3.181		101556	86092
3.23		153471	122317
3.285		248281	164817
3.362		29178	18801
3.38		39672	23890
3.502		587702	350932
3.519		192903	105534
3.556		34696	19125
3.572		39826	19872
3.6		4875	1955
3.618		558511	383516
3.654		3083	2451
3.673		16996	10486
3.693		64459	40838
3.73		93766	57596
3.745		32095	16100
3.791		506864	266338
3.803		450977	230099
3.842		784493	609611
3.902		646638	495624
3.944		96618	66354
3.972		1103391	803788
4		698820	581049
4.022		192532	99153
4.048		6994	4859
4.1		1228706	901898
4.125		352025	231022
4.157		451457	318297
4.193		1033309	972032
4.234		325881	266921
4.265		2329	793
4.281		36535	26076
4.322		90277	73747
4.357		848781	582175
4.377		1028226	655932
4.401		1189644	882559

RT A	Compound A	Height A	Area A
4.472		94419	94380
4.51		1004455	835608
4.532		268741	142047
4.55		189203	119940
4.593		14177	9464
4.616		53723	40691
4.659		296874	264217
4.712		419425	375205
4.744		220847	168718
4.774		737785	612279
4.822		12528	9479
4.839		2365	582
4.86		266388	229442
4.901		59043	69896
4.95		63122	56127
4.992		442914	397706
5.026		75273	61860
5.073		41929	55745
5.104		24288	15712
5.12		29828	22451
5.156		12553	10613
5.192		428431	412444
5.237		9330	5559
5.268		116716	118667
5.311		104278	95570
5.332		6203	3411
5.35		10262	6339
5.375		16571	13409
5.417		13923	20709
5.478		4593	7261
5.518		30857	23740
5.537		13897	8977
5.592		14784	14374
5.618		3282	1742
5.674		80307	75646
5.714		20277	16885
5.772		25162	17401
5.796		139367	125316
5.977		32295	32355
6.033		13129	21197
6.107		3675	3834
6.167		114960	115781
6.231		161067	207941
6.402		13751	13379
6.472		2725	2493
6.602		69281	68740
6.747	DCB	4828290	5006631
7.039		1556	594
7.159		1805	1305
7.222		1815	1753
7.277		1401	400
7.321		1567	833
7.42		1553	606
7.546		1185	642
7.667		1011	495
7.777		1275	534
8.111		1175	512
8.217		1881	329
8.313		1354	424
8.568		1534	701
8.64		1176	361

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.662		4179	30129
1.903		4375	11361
2.01		6521	14744
2.049		35522	45639
2.13		73906	153853
2.178		8582	6869
2.396		3080	5704
2.429		5010	5332
2.607		2066	5017
2.676		151901	176721
2.749	TCX	5965669	4391680
2.922		67936	52104
2.97		74393	69259
3.036		142209	98586
3.088		12435	8451
3.149		28463	20556
3.245		382069	410148
3.297		25664	15696
3.321		51119	37760
3.369		315114	244709
3.405		51425	33513
3.433		11677	5548
3.452		55624	31444
3.467		20776	9931
3.518		189911	107762
3.527		227190	103880
3.548		33130	12681
3.562		321620	250314
3.638		390947	287978
3.671		644206	442006
3.696		571169	356058
3.714		151923	82229
3.805		811710	584769
3.829		230418	132458
3.851		257705	173321
3.883		119882	65699
3.9		493334	338428
3.944		217045	177808
3.993		41240	36259
4.016		365733	244664
4.039		979081	697109
4.065		640023	434141
4.085		36922	17899
4.105		46985	27706
4.142		306356	249747
4.18		447685	402048
4.21		222715	133191
4.258		38404	32999
4.294		186214	166720
4.328		5777	3035
4.355		298984	253465
4.389		171409	125033
4.418		462020	390899
4.459		9907	7698

4.517		192053	206828
4.552		41045	32330
4.586		286880	261830
4.632		37983	26728
4.655		33560	22803
4.682		18263	14872
4.762		59064	60042
4.815		261333	243482
4.87		68326	61945
4.898		71950	60105
4.93		4740	2173
4.946		5722	2648
4.969		4542	3442
5.126		15471	11926
5.151		23997	19828
5.197		12550	14831
5.238		3060	2079
5.273		47038	39059
5.298		4781	2627
5.32		23938	19573
5.396		108923	100935
5.515		1959	1517
5.537		12804	11907
5.583		25656	29380
5.738		98348	93355
5.805		135070	126321
5.855		36729	34034
5.959		11230	10377
6.159		60915	65207
6.319	DCB	4300537	4302290
6.767		3004	2822
6.796		2913	3436
8.017		1312	2399

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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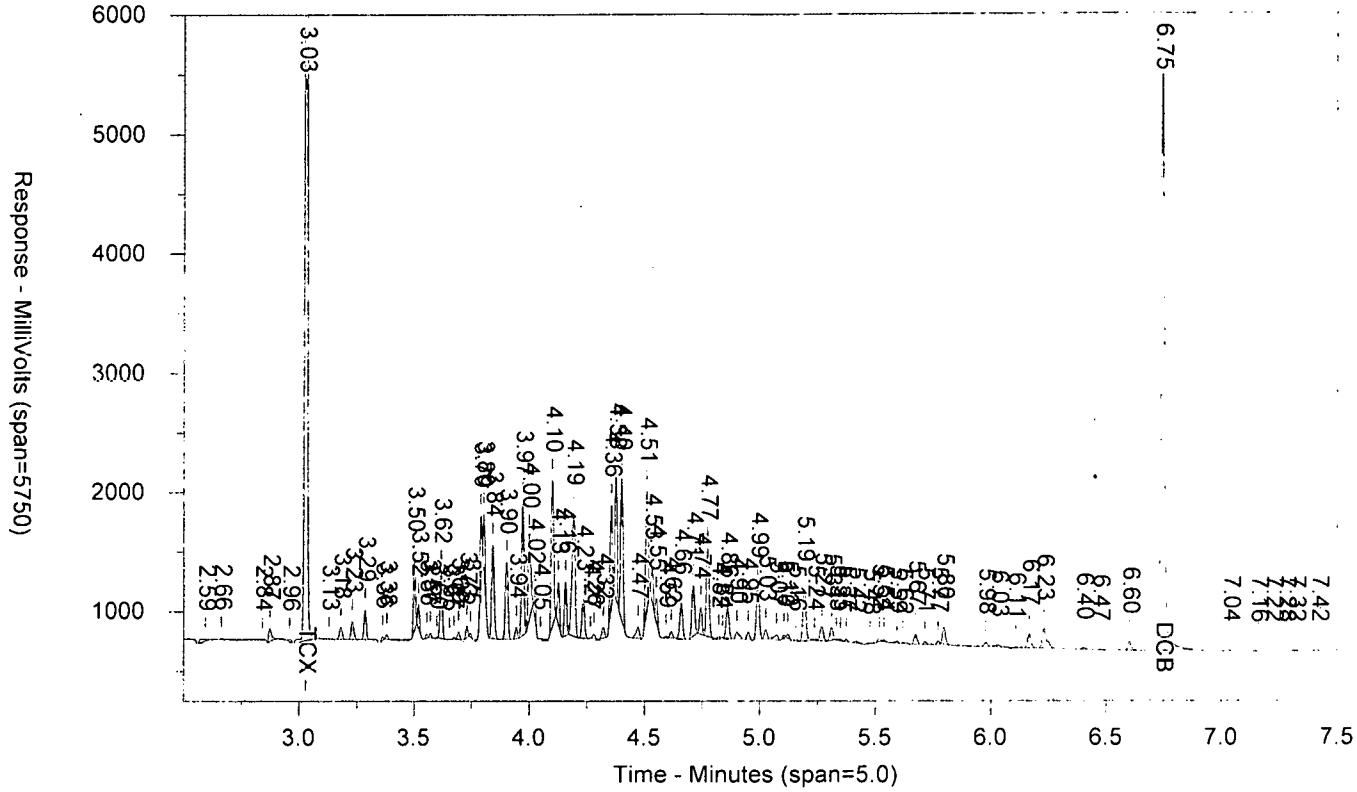

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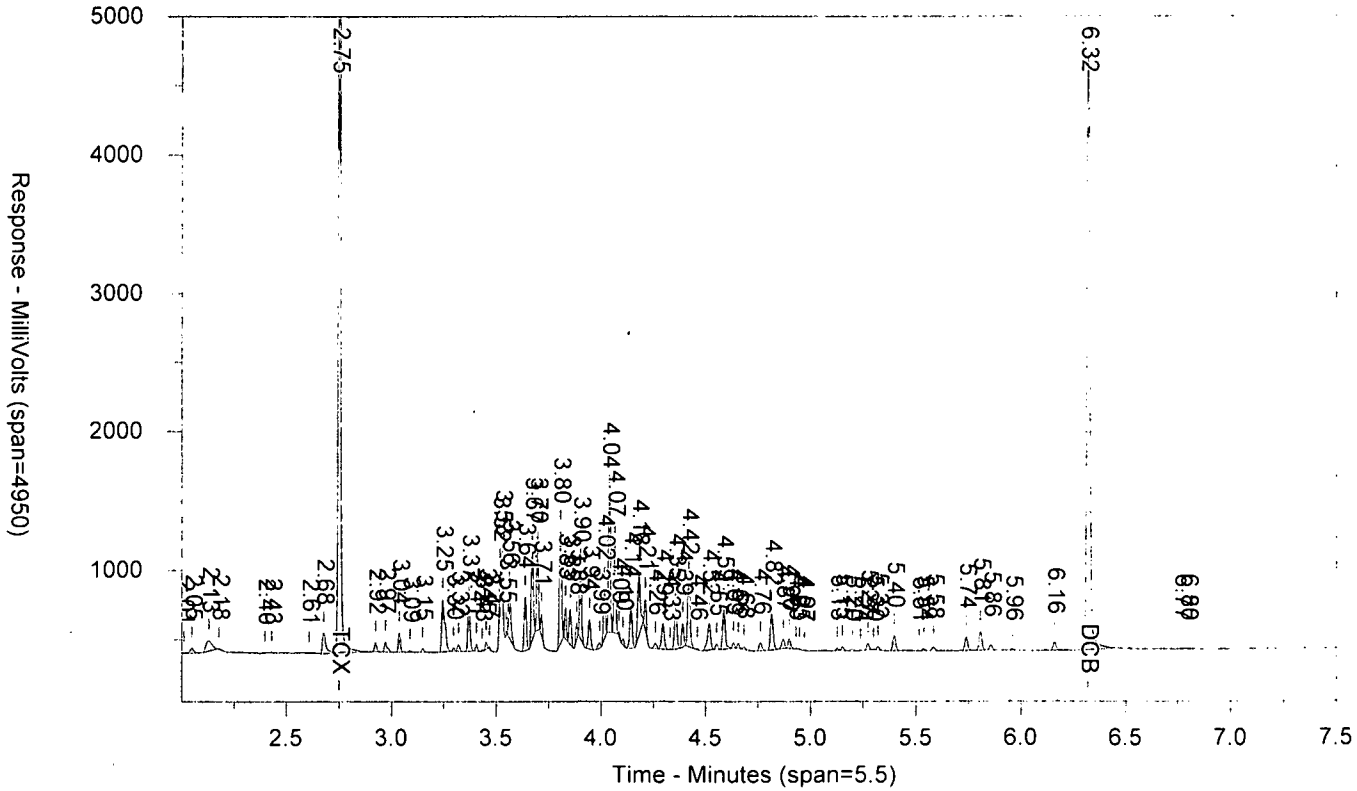

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:13:19 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	12439250	19.591	TCX	2.749	5965669	19.653	TCX
6.747	4828290	18.918	DCB	6.319	4300537	18.638	DCB

Files:
Area File: 07PCBS17292001.0015.RAW
Area File: 07PCBS17292001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:21:59 PM
File Reported On: 10/22/2017 at 1:34:57 PM

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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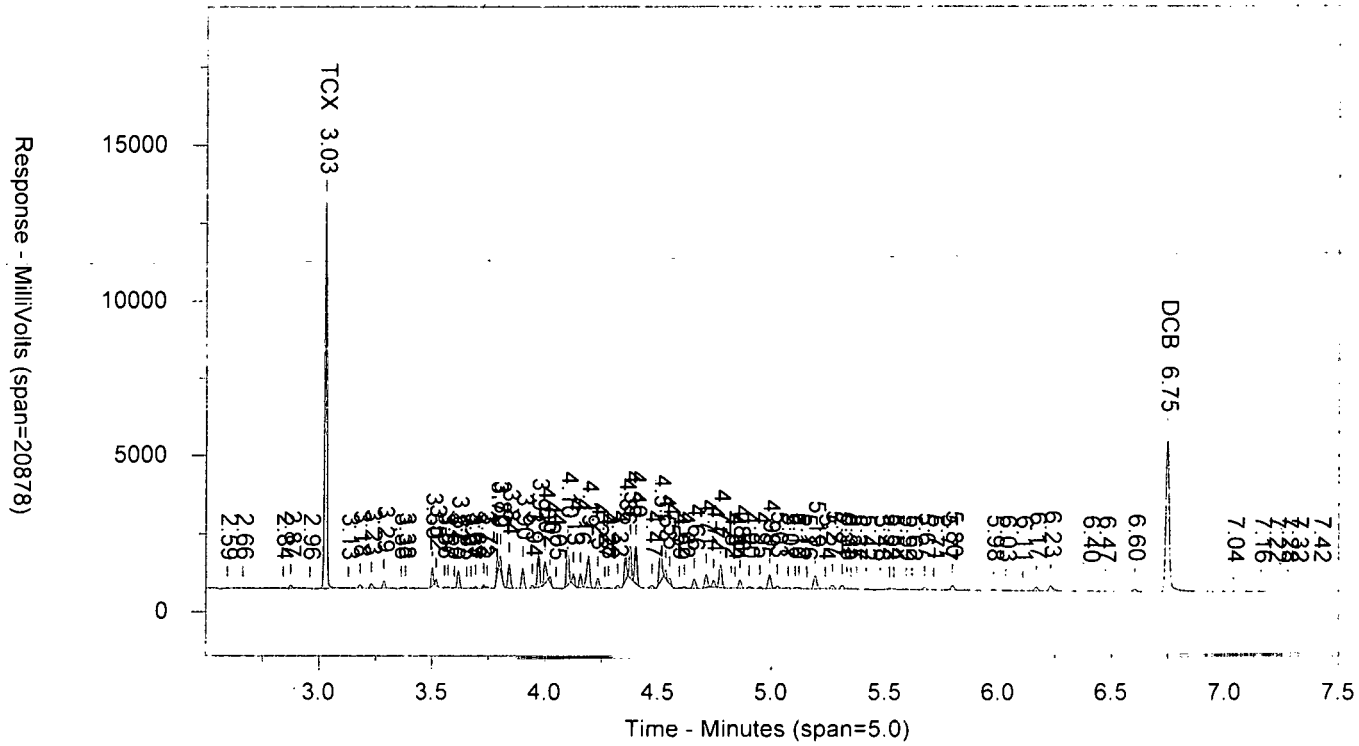

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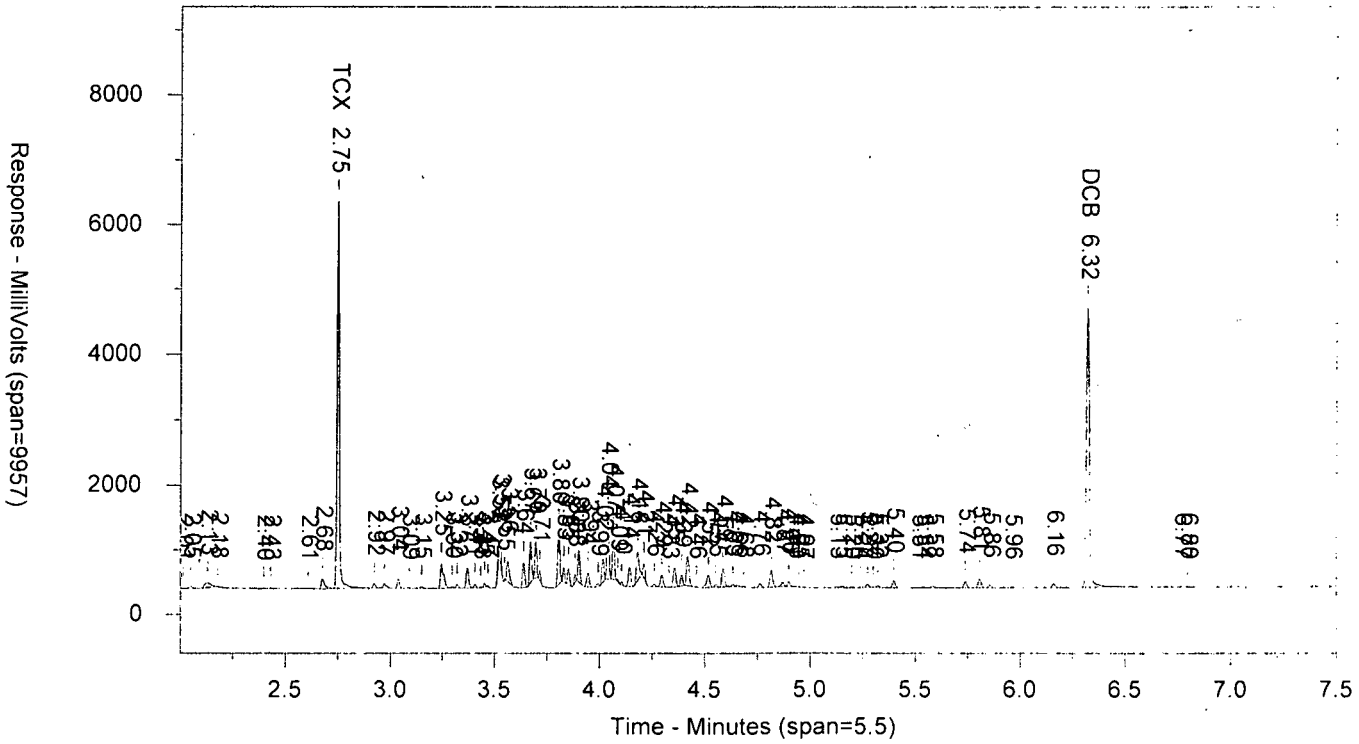

AR4831724C AAAR483AA ICAL 1729199999 10225 SW-846 8082

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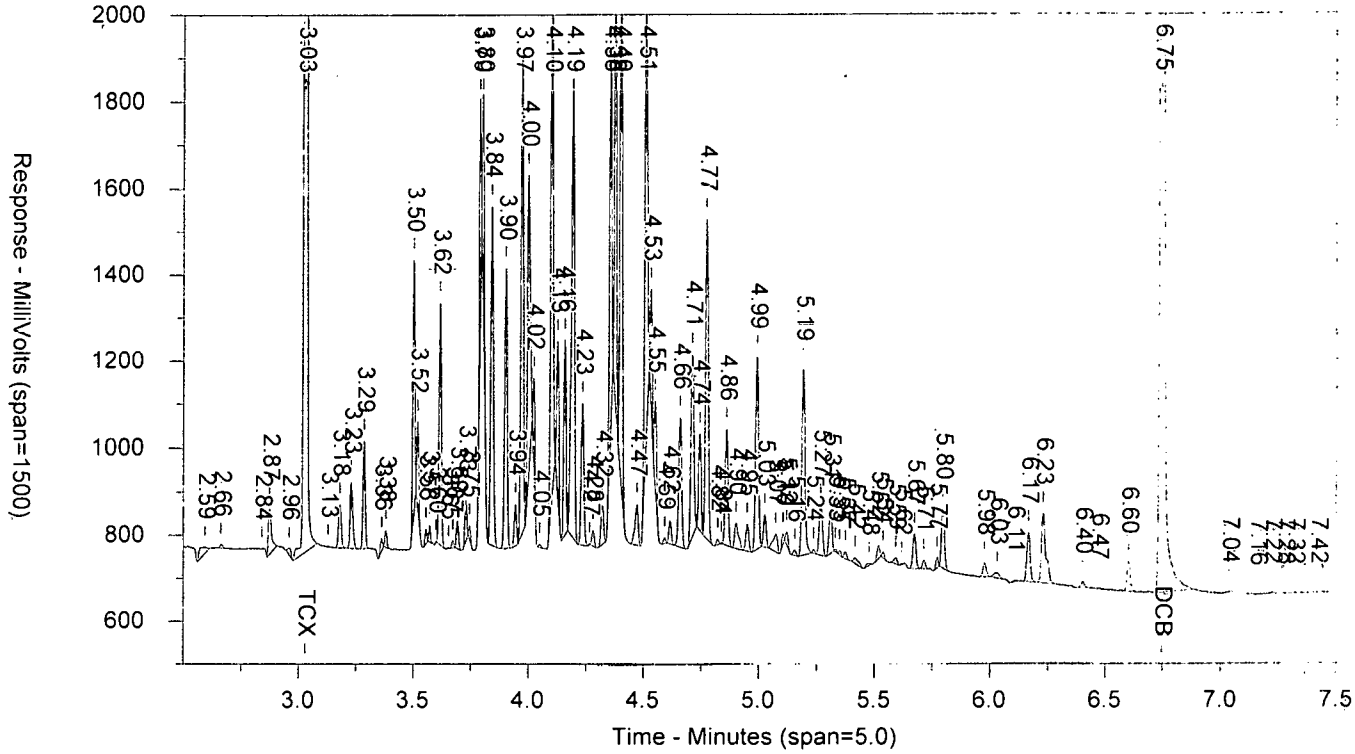

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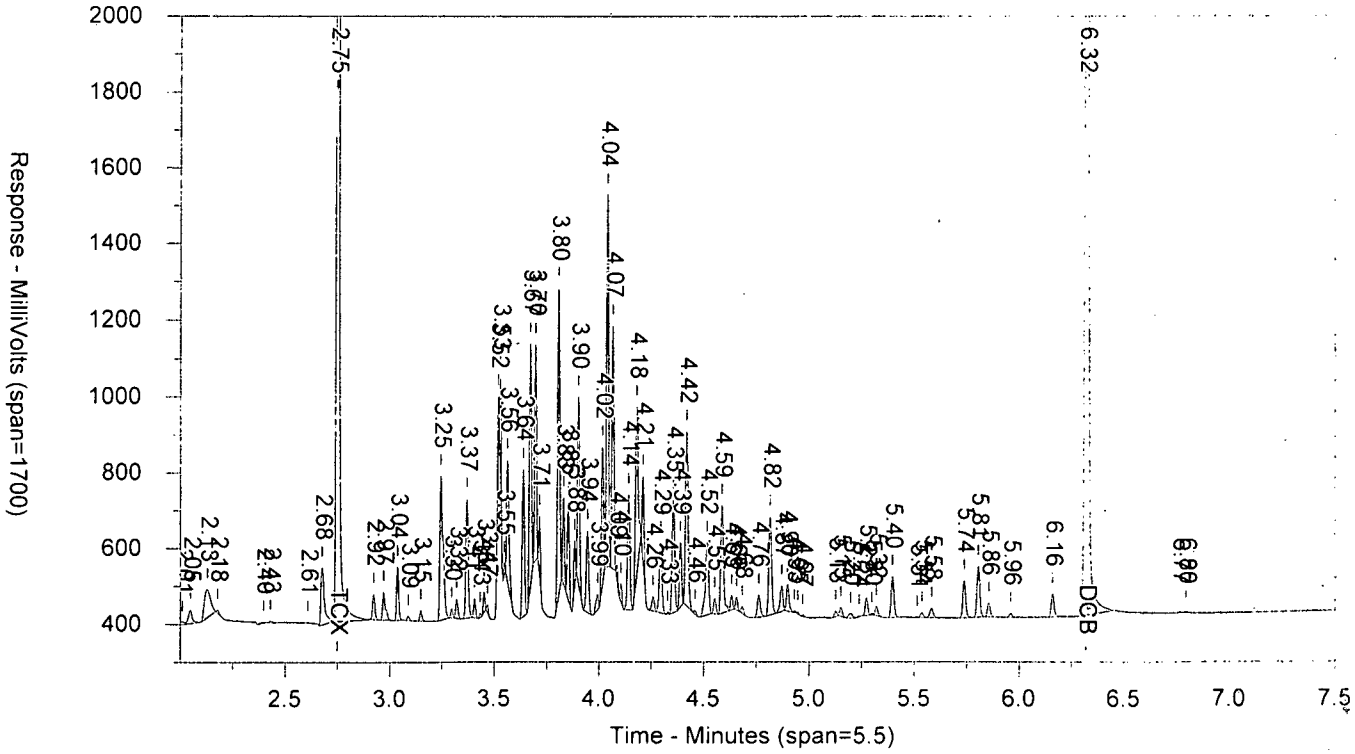

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.561		36993	72478
1.591		71911	156938
1.672		9992	109877
1.862		2588	2553
2.049		1499	1030
2.14		55762	192986
2.186		202349	519762
2.236		54162	114813
2.316		114668	94733
2.41		27502	18506
2.427		41515	28854
2.521		12507	51110
2.591		26200	74519
2.664		14944	11428
2.875		78762	61945
3.028	TCX	26743920	17037420
3.131		5362	3228
3.181		186317	153233
3.23		298290	236190
3.285		458977	304569
3.361		54496	34056
3.38		74678	45670
3.421		2984	1939
3.502		1080105	655322
3.519		384379	198952
3.556		66515	35691
3.572		63473	32611
3.618		1077174	743298
3.652		3857	1824
3.674		35490	22985
3.693		121276	76840
3.729		182161	110551
3.745		56940	29298
3.791		942574	491333
3.803		917205	459790
3.842		1446974	1157301
3.902		1230734	955105
3.945		180941	126321
3.972		2111209	1536357
4		1358589	1135892
4.022		349061	185087
4.047		9661	7495
4.101		2476372	1747281
4.126		709794	451160
4.157		837577	606250
4.193		1994266	1882861
4.234		639652	506775
4.281		73346	60508
4.322		177256	139452
4.356		1741224	1178536
4.377		1876288	1252522
4.401		2398637	1744619
4.471		186113	179889

RT A	Compound A	Height A	Area A
4.51		1899272	1604992
4.531		556026	305207
4.551		384095	242199
4.592		25839	17022
4.615		103633	77971
4.659		552725	500036
4.712		838148	718793
4.744		434254	322496
4.774		1377043	1180470
4.823		22477	15059
4.861		504215	439621
4.901		110918	130718
4.951		117635	105022
4.993		846066	751150
5.027		151729	125476
5.075		73188	91151
5.105		47017	32634
5.121		58461	38421
5.154		20236	16824
5.193		818747	782995
5.238		18943	11906
5.269		226434	224987
5.31		204705	176504
5.334		11795	5397
5.35		18308	10981
5.374		29381	23020
5.415		20195	33305
5.474		7777	9704
5.518		58528	46954
5.538		25795	16506
5.595		23610	21228
5.62		4168	2899
5.633		9809	5811
5.674		149476	146618
5.715		38521	32153
5.739		6007	4728
5.773		44175	30654
5.797		255221	226003
5.978		58823	56817
6.031		27339	58309
6.107		2651	2060
6.167		223555	217396
6.231		317015	407189
6.34		1503	559
6.403		26729	29638
6.474		3763	3357
6.565		2731	2722
6.603		133047	134115
6.656		1665	676
6.692		3170	3313
6.748	DCB	9580602	9924759
7.224		7374	7484
7.281		1839	2061
7.331		1140	655
7.389		1369	498
7.561		1610	876
7.585		1782	908
7.67		1129	678
7.75		1638	888
7.781		1292	357
8.005		1406	925
8.111		1007	627
8.409		1075	575
8.548		901	575
8.573		1510	612

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.522		4050	4085
1.659		2021	20006
1.912		3297	11495
2.011		2431	6969
2.049		55145	58171
2.127		80389	164040
2.179		18099	14422
2.399		4952	9425
2.429		7838	6769
2.677		121108	138883
2.749	TCX	12215730	9000630
2.922		120669	95590
2.97		147757	134046
3.036		255170	181597
3.088		24522	16303
3.149		51809	39148
3.245		696804	744287
3.297		48652	30604
3.32		70193	48552
3.348		5760	2863
3.369		568941	445622
3.406		91531	61026
3.434		23581	12276
3.452		104079	59729
3.467		38926	18167
3.518		391386	208382
3.528		452602	207378
3.548		57768	22560
3.562		619776	466723
3.638		743515	536878
3.671		1204296	822495
3.696		1084619	666083
3.715		278300	154681
3.805		1521833	1099497
3.83		403729	241860
3.851		476117	318684
3.883		218072	123438
3.901		909847	630068
3.944		408024	332297
3.993		74191	66644
4.016		700910	467558
4.04		1941824	1346586
4.066		1240877	848002
4.085		76748	35128
4.105		86002	49454
4.142		577853	459316
4.181		833945	757231
4.211		404906	255619
4.259		70274	54399
4.296		346670	309280
4.331		13240	6825
4.355		555477	475729
4.389		313641	233932
4.418		861430	732849

4.458		17308	13270
4.517		357761	388525
4.553		77175	62572
4.586		531664	482854
4.632		69814	51088
4.655		59218	39781
4.684		35498	28275
4.762		106245	109695
4.815		498507	467434
4.87		131683	118907
4.897		125524	109322
4.931		7401	3617
4.946		9462	5720
4.969		8541	6723
5.073		4388	2475
5.127		29440	21935
5.152		46888	37605
5.198		22510	26000
5.239		5795	4065
5.274		91692	77723
5.299		10222	5521
5.32		42715	36883
5.396		198490	187288
5.536		23199	23335
5.582		48310	52248
5.738		180917	174888
5.806		248865	237320
5.855		67466	65179
5.959		20751	18930
6.109		1814	1650
6.159		117085	108710
6.319	DCB	8627940	8757866
6.766		5533	5005
6.796		2780	2806

AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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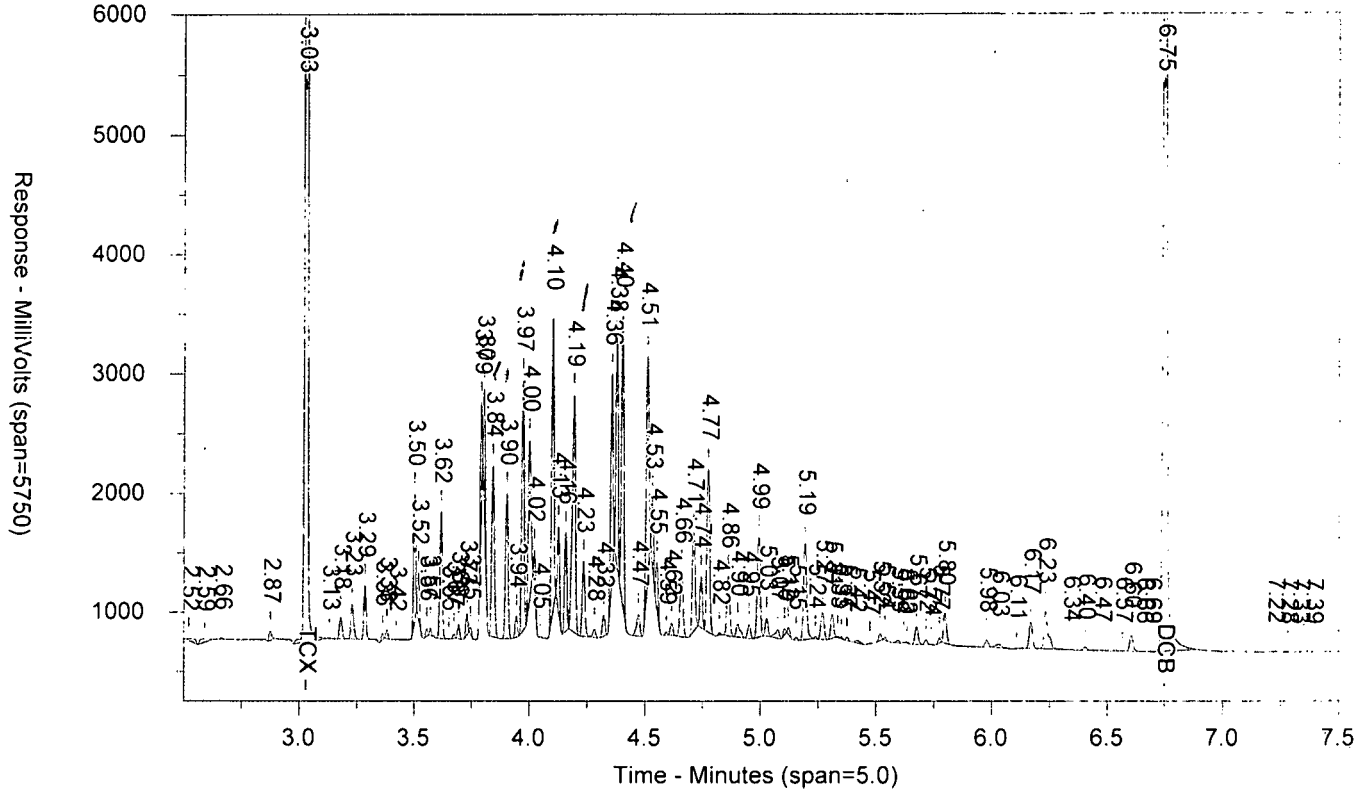

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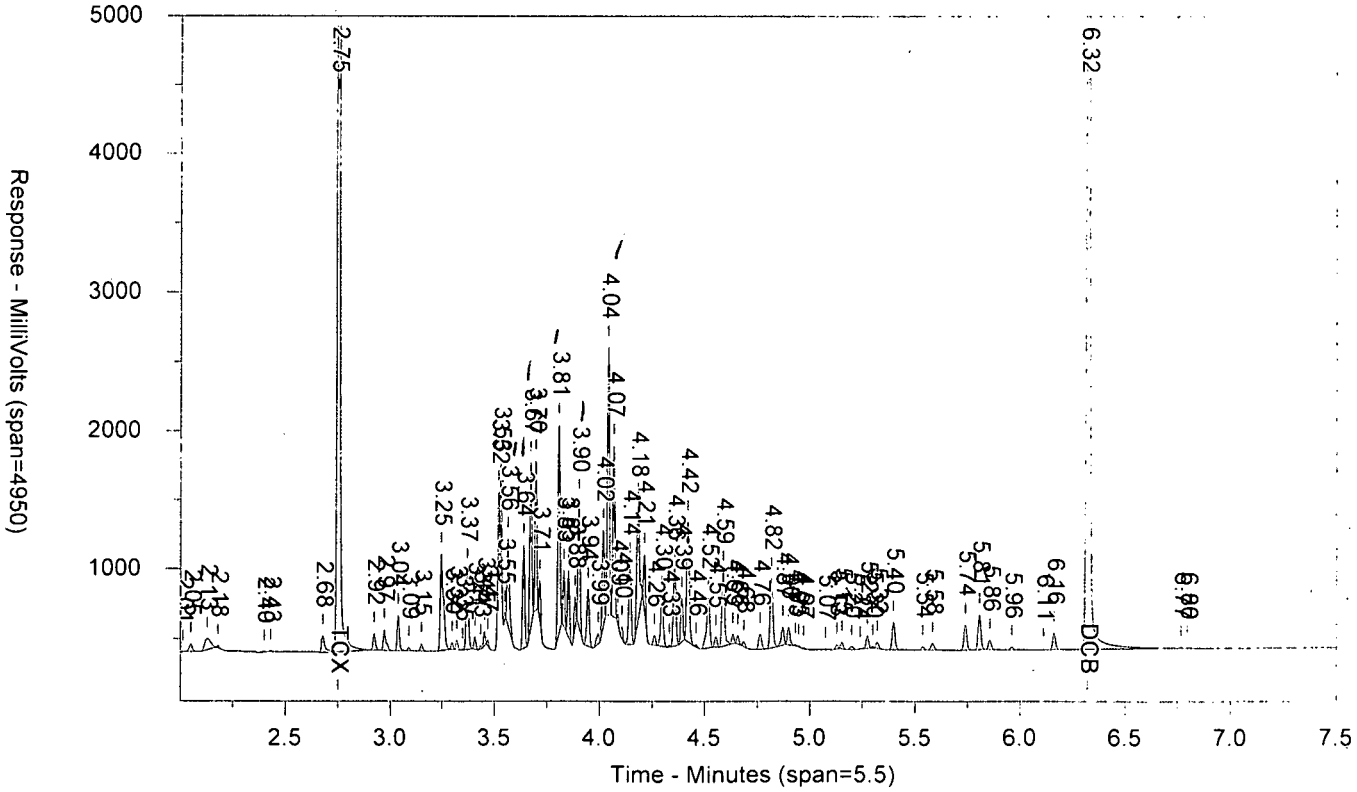

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:24:46 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	26743920	42.119	TCX	2.749	12215730	40.243	TCX
6.748	9580602	37.538	DCB	6.319	8627940	37.393	DCB

Files:
Area File: 07PCBS17292001.0016.RAW
Area File: 07PCBS17292001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:33:27 PM
File Reported On: 10/22/2017 at 1:35:07 PM

AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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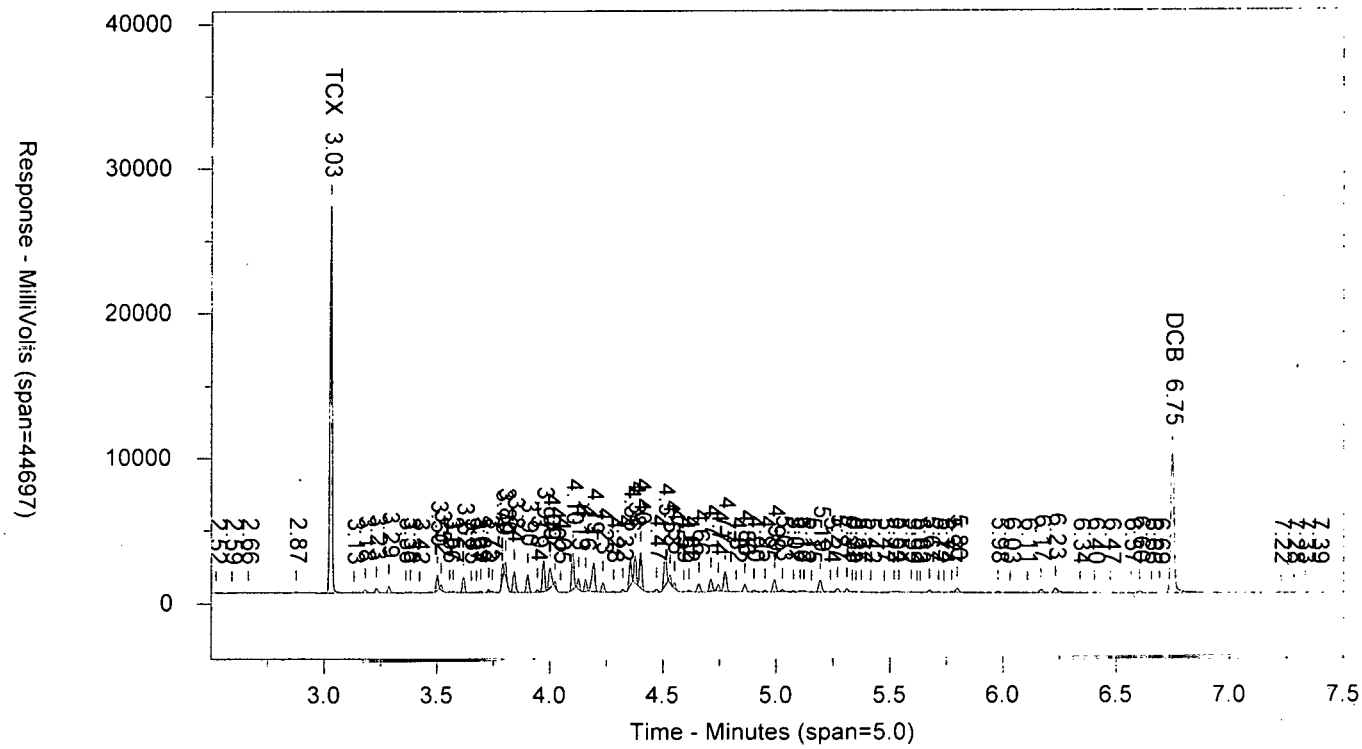

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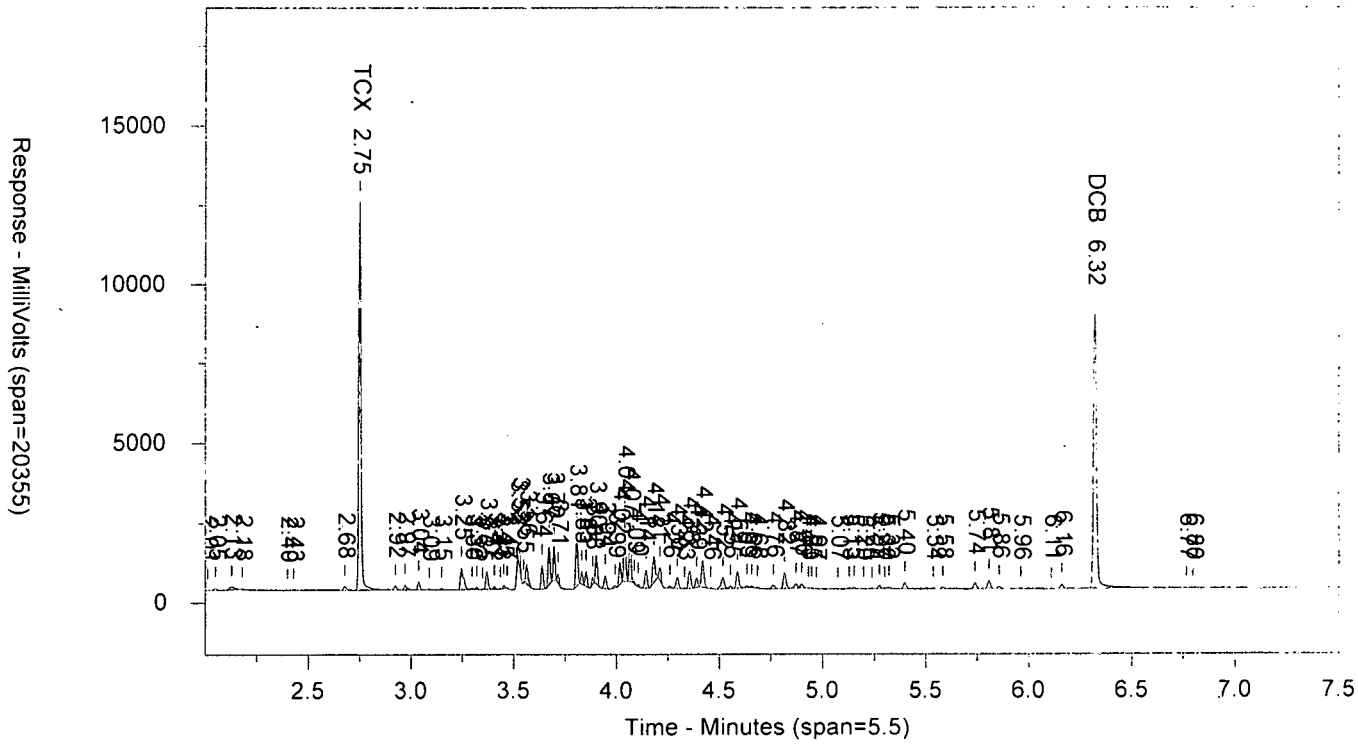

AR4841724C AAAR484AA ICAL 1729199999 10225 SW-846 8082

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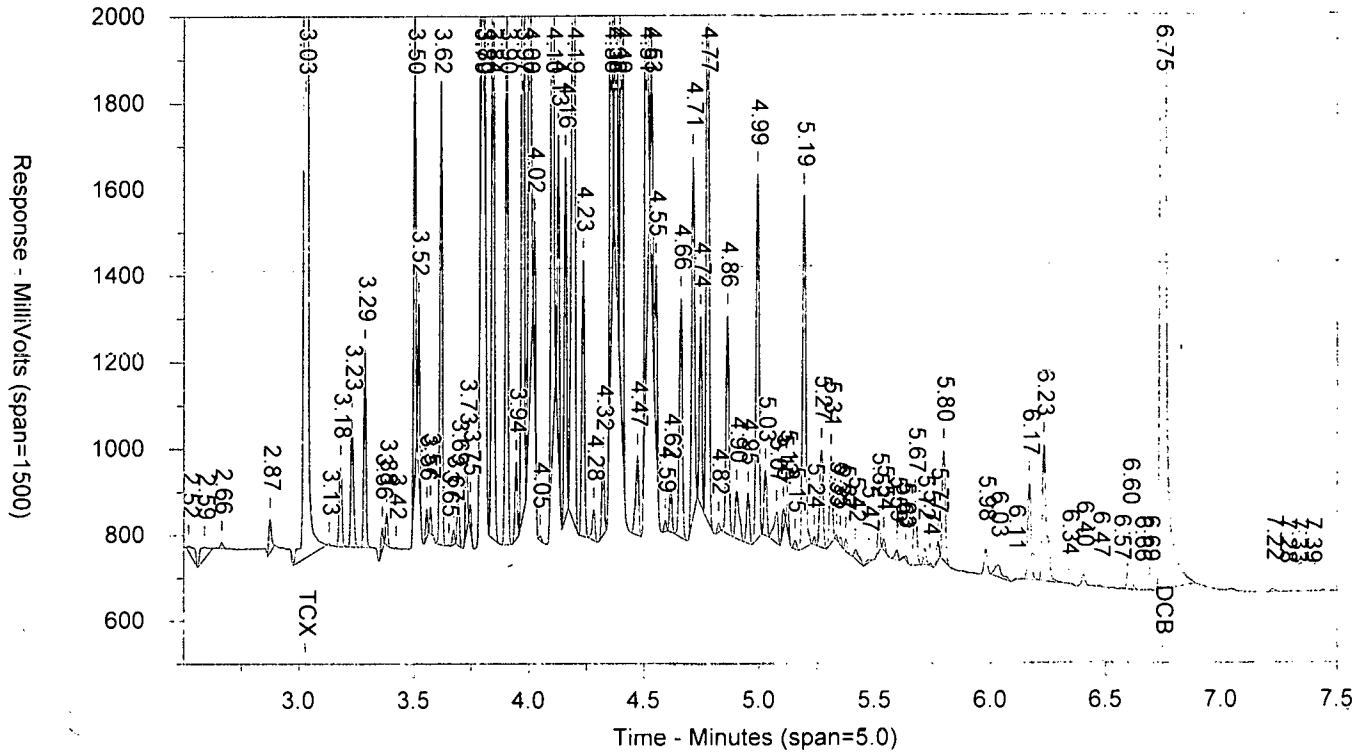

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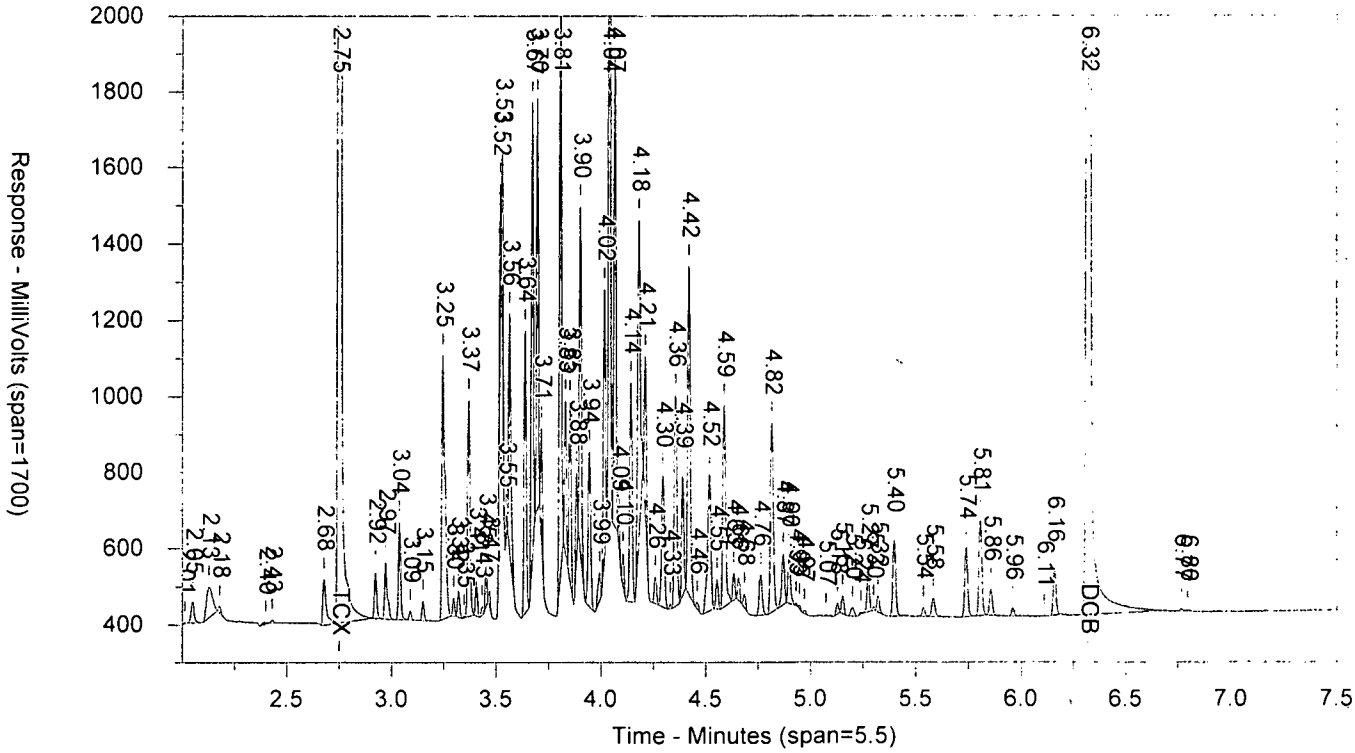

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		24709	76669
1.59		71584	152816
1.673		10315	116721
1.823		2019	1502
2.07		43631	89719
2.131		55722	192015
2.183		113330	310031
2.24		37855	71951
2.315		162801	122796
2.41		33831	21045
2.427		63345	44631
2.52		6576	4698
2.578		14249	20085
2.644		2215	1570
2.664		32048	24015
2.874		39959	36556
3.029	TCX	40666060	26060050
3.13		6745	3775
3.181		435595	365334
3.23		452123	395359
3.285		1075778	732761
3.361		71342	41507
3.379		184495	112538
3.42		7676	4721
3.501		2635738	1569558
3.518		898727	482671
3.555		165183	89580
3.571		159731	81276
3.585		20404	6839
3.617		2555184	1819271
3.652		6920	3385
3.673		52127	34044
3.692		323843	210958
3.729		446869	263220
3.744		145176	75305
3.79		2334274	1236678
3.803		2434895	1210723
3.841		3866067	2889484
3.901		3139163	2384626
3.943		427476	302270
3.971		5330973	3808934
3.999		3455001	2827542
4.022		937358	492692
4.048		14983	8813
4.1		5920643	4333402
4.125		1749780	1129257
4.156		2098390	1514330
4.192		5009751	4799224
4.234		1608582	1261237
4.28		178462	150879
4.321		421092	340681
4.355		4364452	2989185
4.376		5047731	3279757

RT A	Compound A	Height A	Area A
4.4		6138414	4500600
4.471		441595	445314
4.509		4738681	4073334
4.531		1375991	748921
4.55		922316	575786
4.592		70754	45886
4.615		254982	195168
4.658		1340056	1223588
4.711		2042650	1761014
4.743		1124420	820376
4.774		3574744	3032603
4.822		56237	40476
4.837		4310	951
4.86		1243774	1079915
4.901		270130	327064
4.95		298288	257233
4.992		2119603	1888703
5.026		212599	177592
5.074		168007	202257
5.103		144564	98065
5.12		131678	85951
5.154		38072	31754
5.192		2158018	1968982
5.237		45254	30860
5.267		353217	348882
5.31		497597	432497
5.332		29060	14063
5.349		37831	22800
5.374		71110	55553
5.416		45497	52666
5.473		2305	3187
5.517		136174	108008
5.537		55278	35346
5.593		41683	35555
5.619		6661	4560
5.632		17264	11452
5.674		227043	211971
5.715		87845	78330
5.74		15151	9508
5.772		112497	83466
5.796		361626	308837
5.977		128154	125493
6.032		54095	87497
6.109		4679	7965
6.167		336140	314904
6.23		459890	592178
6.402		58127	61448
6.473		3618	2932
6.532		3092	1428
6.569		2756	1803
6.602		201786	203352
6.695		3082	2242
6.748	DCB	15051710	15200370
7.006		1328	787
7.191		1070	390
7.221		12223	15051
7.439		1554	1019
7.737		1615	482
7.907		870	949
8.015		1521	1159
8.157		1508	449

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.519		3374	3593
1.664		3752	30063
1.911		6328	20190
2.004		7882	17502
2.05		85432	90577
2.131		35819	69674
2.179		30384	23312
2.271		3176	3497
2.399		3745	7598
2.43		19558	17343
2.495		1685	1343
2.677		62243	73336
2.749	TCX	19017570	13752290
2.922		278433	217926
2.97		155027	87128
2.983		35675	15764
3.036		585334	425661
3.088		35317	23136
3.149		119036	91718
3.245		1586940	1701550
3.297		113444	71587
3.319		133786	88090
3.346		20407	10351
3.369		1345000	1029888
3.405		211362	140127
3.433		33767	16519
3.452		245319	140760
3.467		91803	43428
3.518		976553	469172
3.527		1272488	551794
3.548		141175	52240
3.562		1507870	1123924
3.637		1780739	1281454
3.671		2969636	1964558
3.695		2690214	1616271
3.714		675161	364707
3.805		3627520	2673855
3.829		977429	575701
3.85		1171614	755055
3.882		492809	280883
3.9		2229383	1522634
3.944		944048	777087
3.992		170739	154086
4.016		1731459	1167867
4.039		4884966	3390054
4.065		3258193	2171952
4.085		170029	77677
4.105		195380	116746
4.142		1327920	1084569
4.18		2086674	1848391
4.21		1123525	713128
4.258		169027	126776
4.294		816946	718681
4.329		16314	8441

4.355		1380329	1159897
4.389		739211	559524
4.418		2129375	1773106
4.457		38132	34897
4.517		841906	907393
4.552		181876	146795
4.586		1329279	1175745
4.631		91264	61385
4.655		148385	105351
4.683		88244	69452
4.761		236854	254600
4.815		1261746	1159598
4.87		180826	174938
4.897		301415	274056
4.93		19029	9474
4.945		18949	10529
4.969		22708	17055
5.045		4274	4870
5.074		6018	3757
5.091		7577	4654
5.126		61834	47705
5.151		107693	89259
5.2		43764	50949
5.238		12013	8816
5.273		126292	105971
5.298		27587	16358
5.32		100390	87927
5.396		299476	283213
5.512		2911	1674
5.536		52769	46948
5.583		100128	119477
5.738		258253	249105
5.805		364276	342520
5.854		104845	100823
5.959		46571	42393
6.112		2092	1972
6.159		180021	165301
6.319	DCB	12966240	13268540
6.767		8981	7734
6.946		1735	1527
8.186		1537	1940
8.63		3446	6135

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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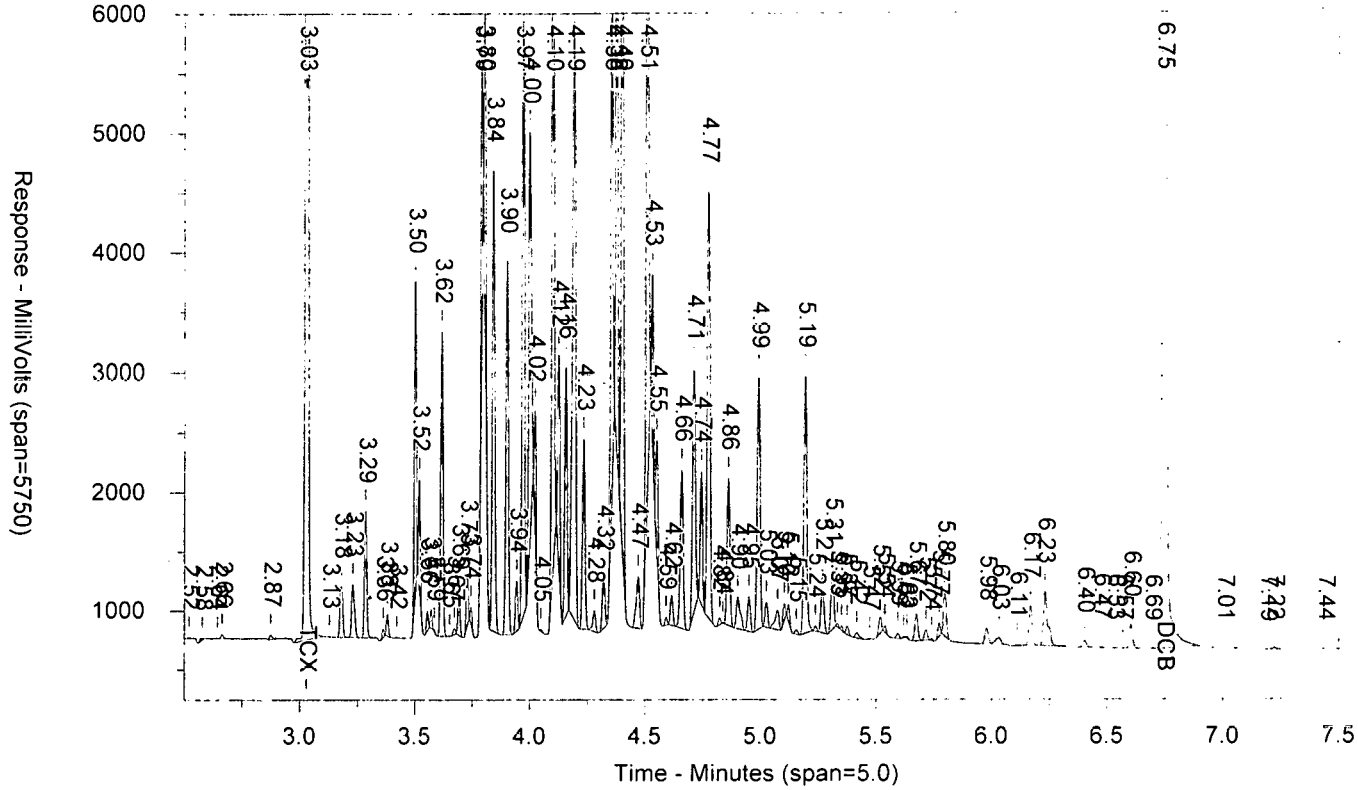

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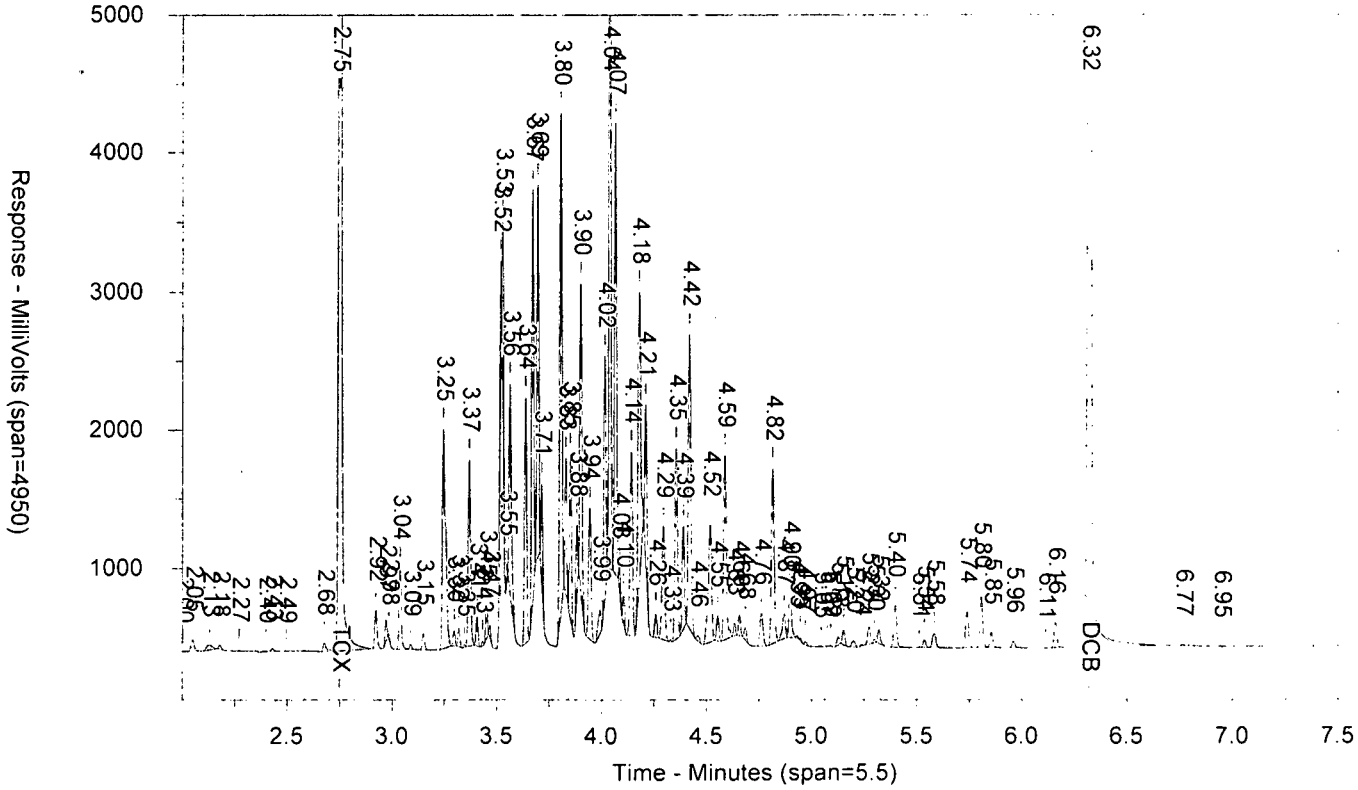

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:36:12 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	40666060	64.045	TCX	2.749	19017570	62.651	TCX
6.748	15051710	58.974	DCB	6.319	12966240	56.195	DCB

Files:
Area File: 07PCBS17292001.0017.RAW
Area File: 07PCBS17292001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:44:52 PM
File Reported On: 10/22/2017 at 1:35:17 PM

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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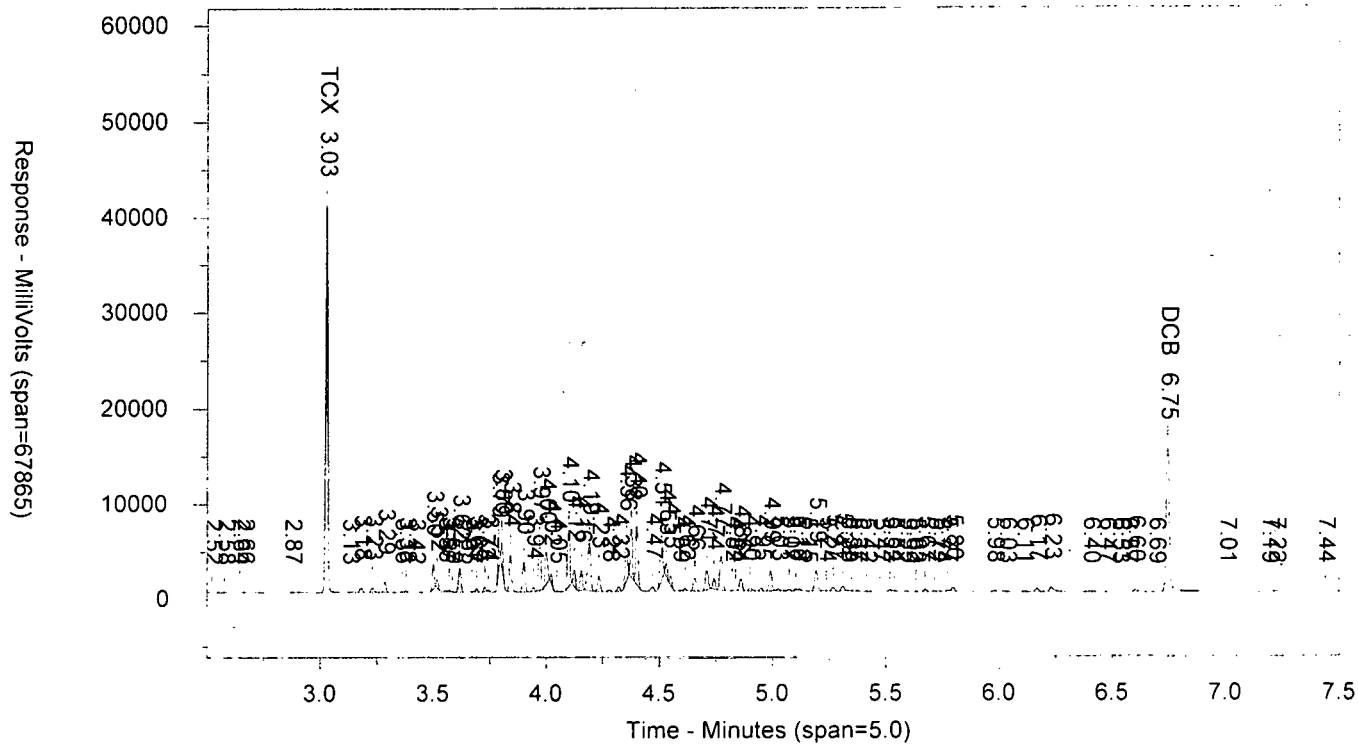

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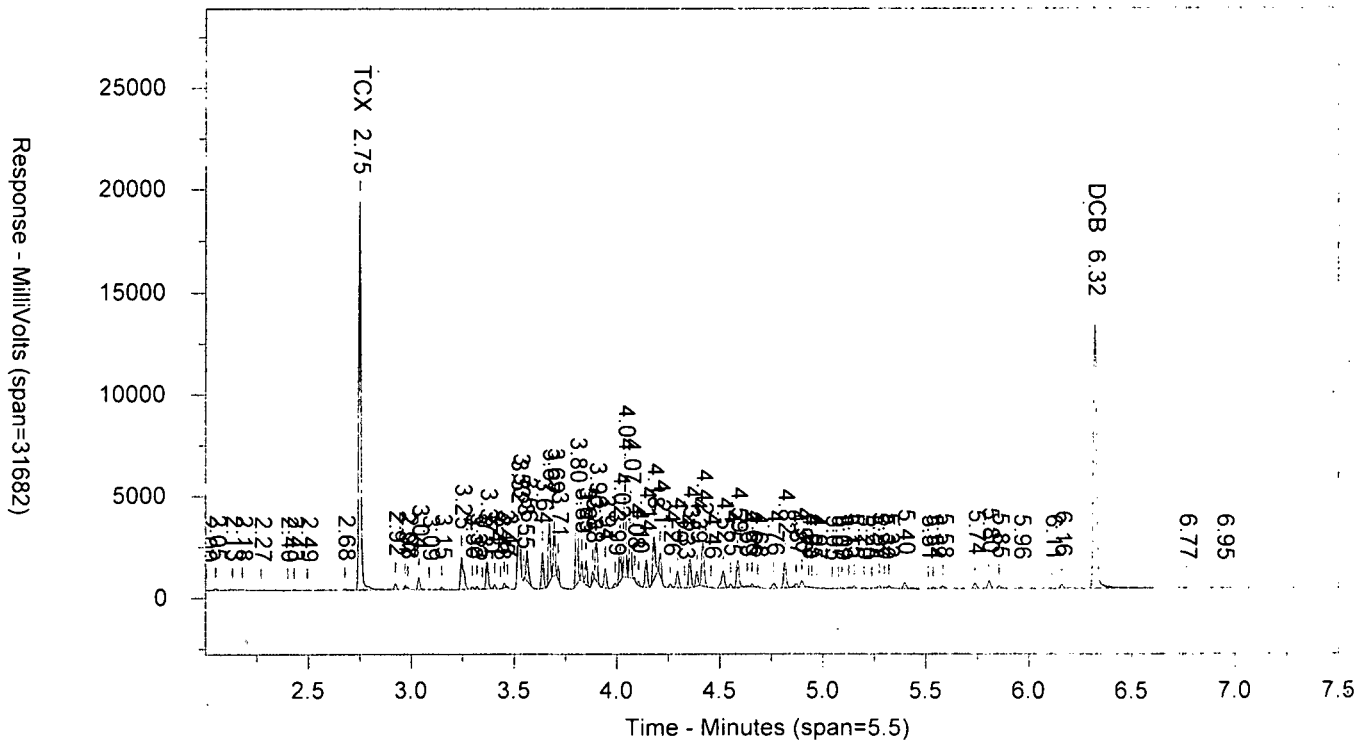

AR4851724C AAAR485AA ICAL 1729199999 10225 SW-846 8082

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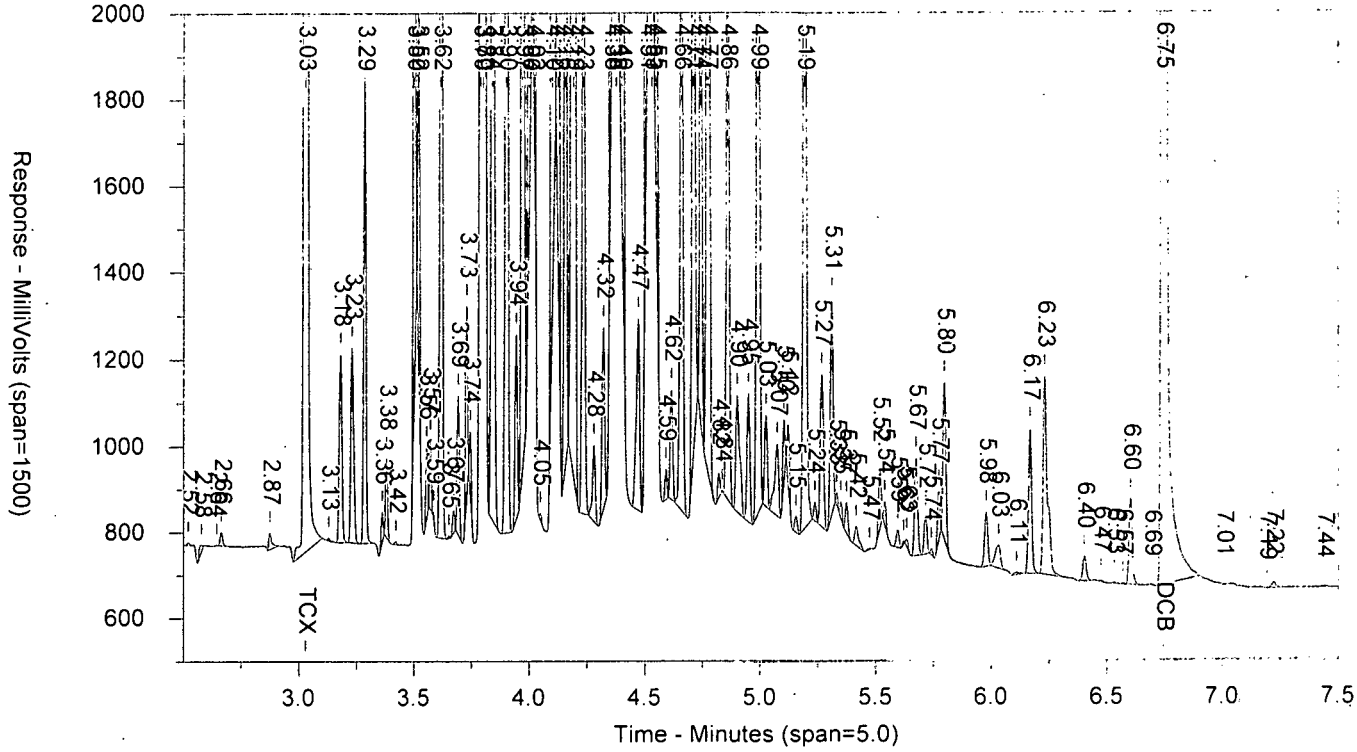

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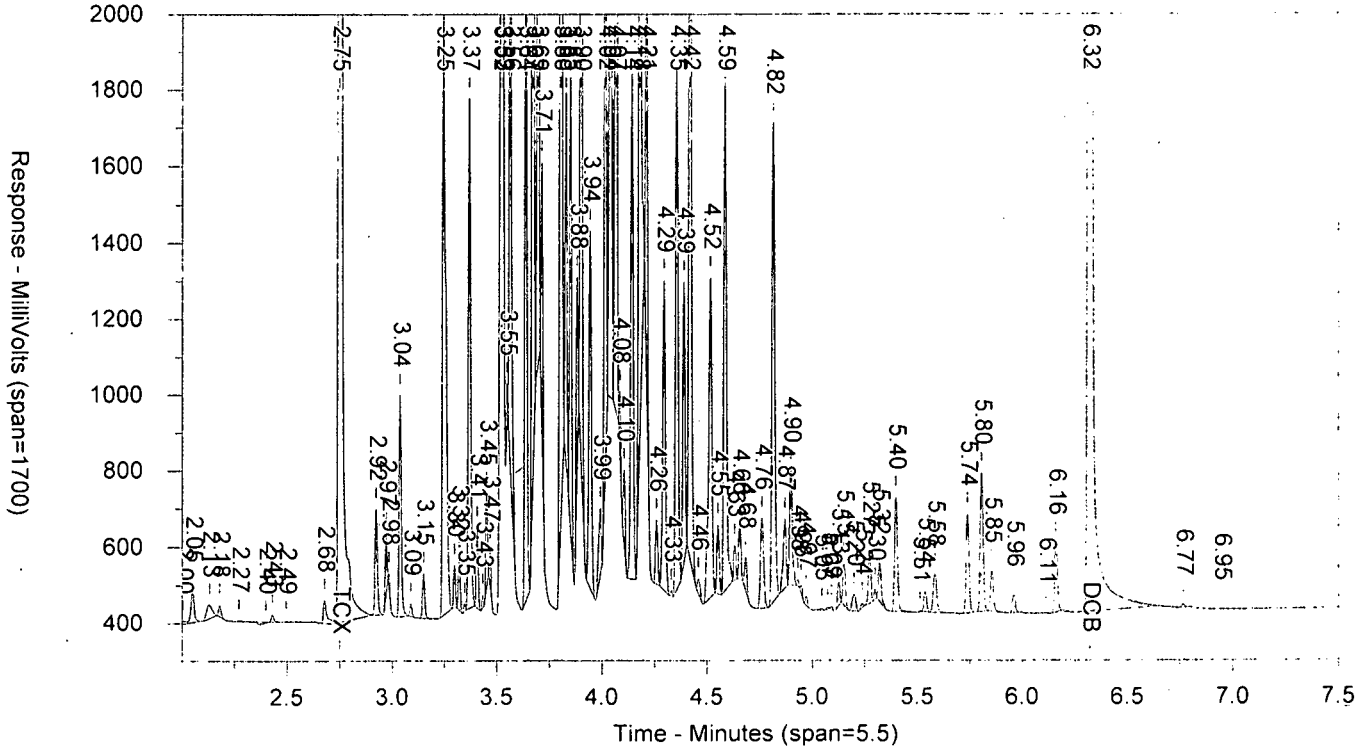

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.551		2882	3722
1.663		79776	222054
1.729		12889	23943
1.862		2920	2392
1.918		1859	1485
2.047		2290	1441
2.125		73349	183676
2.184		151568	403664
2.243		44768	98324
2.315		208194	149938
2.409		26290	16075
2.426		79967	57108
2.52		24050	75689
2.577		21100	28996
2.663		60557	43731
2.874		57155	47286
2.939		4281	2361
3.028	TCX	54595050	34531360
3.129		9192	5104
3.18		805330	671349
3.23		622307	585580
3.284		2069152	1488140
3.36		85952	51124
3.379		356726	223157
3.419		13633	9161
3.501		5113079	3054790
3.518		1771839	938484
3.555		325276	178953
3.571		307689	149595
3.584		46254	16414
3.616		5138638	3593330
3.652		12078	5722
3.671		79376	52044
3.692		591811	398839
3.729		870756	525623
3.744		295237	143302
3.79		4554108	2460918
3.802		5232220	2609330
3.841		7442005	5695547
3.901		6309481	4833114
3.943		859752	591423
3.971		10835280	7678284
3.999		7077844	5700429
4.021		1767271	899271
4.048		27757	15194
4.099		12327280	8803973
4.124		3479441	2309441
4.156		4377285	3126394
4.191		10400530	9867675
4.233		3283765	2586086
4.28		361768	299715
4.32		864369	696048
4.356		8652075	5894330

RT A	Compound A	Height A	Area A
4.375		9629877	6381208
4.4		13063880	9476481
4.47		918587	895700
4.509		10148610	8315446
4.53		3065339	1714083
4.549		1975612	1223947
4.591		130090	89964
4.615		509632	382916
4.658		2816590	2474302
4.711		4395897	3643448
4.743		2350153	1714717
4.774		7460216	6264484
4.822		116250	78638
4.838		6159	1927
4.86		2488918	2199352
4.9		558606	649882
4.949		565098	518875
4.992		4313285	3926443
5.026		269159	212918
5.073		346732	415259
5.103		290274	195508
5.12		242576	163450
5.154		68893	56219
5.192		4538945	4105742
5.237		96506	67340
5.266		463421	465674
5.309		972295	871331
5.332		58599	27629
5.35		79575	45890
5.374		145821	112838
5.416		82304	89581
5.466		3468	2056
5.487		1340	532
5.517		270534	217783
5.536		113010	69846
5.593		73568	60448
5.619		7231	4311
5.631		27605	20947
5.673		271915	257971
5.715		171490	151311
5.74		27022	17540
5.772		244502	182805
5.796		429966	353209
5.977		247149	233492
6.032		102277	175668
6.108		2855	2875
6.165		409155	399160
6.229		458534	382347
6.247		40470	25877
6.401		115473	114035
6.443		4442	3046
6.47		3090	2563
6.526		4882	4091
6.569		3739	2931
6.6		286736	282993
6.693		3516	2738
6.746	DCB	19389700	20067640
7.004		2293	1534
7.034		3199	5175
7.219		16468	19047
7.281		1280	643
7.326		1409	656
7.38		1204	1372
7.443		2057	2070
7.746		1172	622
7.85		972	273

RT A	Compound A	Height A	Area A
7.877		1678	1314
8.027		1651	464
8.052		1777	486
8.45		1059	469
8.498		1524	470
8.518		1350	615
8.641		1436	1224

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.635		2408	16875
1.923		18157	89108
2.009		4379	10561
2.05		100604	97800
2.127		52042	97662
2.179		38892	30603
2.271		4060	7336
2.398		4974	10776
2.429		35206	30716
2.676		89387	104180
2.749	TCX	24721360	17408140
2.791		59707	39151
2.922		490459	393549
2.97		190657	102876
2.983		85909	41553
3.036		1080583	788056
3.087		45368	29801
3.148		225395	169706
3.245		3031350	3216844
3.297		217503	136178
3.319		228673	146875
3.346		45971	23717
3.368		2609394	1966684
3.405		381026	254194
3.433		41988	20088
3.451		482540	276360
3.466		173753	83204
3.517		1845860	999200
3.527		2367770	1054615
3.547		242094	94772
3.561		2918628	2177859
3.636		3551952	2545317
3.67		5914579	3872276
3.695		5244273	3226852
3.714		1357737	738644
3.804		7583219	5326258
3.828		1973571	1154349
3.85		2242488	1497547
3.882		1022033	534330
3.899		4471373	3049713
3.944		1854890	1530267
3.992		336932	301425
4.015		3725039	2412831
4.038		9867307	6906148
4.064		6774114	4525151
4.084		309121	148192
4.104		368470	216611
4.141		2659896	2135844
4.179		4276431	3672825
4.209		2453369	1546289
4.258		316958	244415
4.294		1615265	1400289
4.328		19875	9285
4.354		2772510	2347799

4.389		1513832	1131928
4.417		4412822	3606158
4.457		71183	62925
4.516		1684581	1783317
4.552		365201	287368
4.585		2603931	2177649
4.609		38841	18045
4.631		101478	63339
4.655		292467	210123
4.683		168343	134653
4.762		456001	478569
4.815		2672245	2373643
4.868		219800	232370
4.897		625243	562361
4.929		37399	18220
4.944		36725	21538
4.97		45082	32763
5.044		8771	13201
5.074		11597	7143
5.09		15274	10001
5.126		108792	84823
5.151		207781	170446
5.2		72475	80920
5.238		21142	16160
5.272		148808	124777
5.298		57186	35390
5.32		193234	168793
5.396		347283	342257
5.513		4210	2708
5.536		97810	87717
5.582		190016	220461
5.737		327272	310513
5.805		450717	427421
5.854		141379	134729
5.958		89965	82822
6.159		242923	230246
6.319	DCB	17537870	17494610
6.765		12074	10922

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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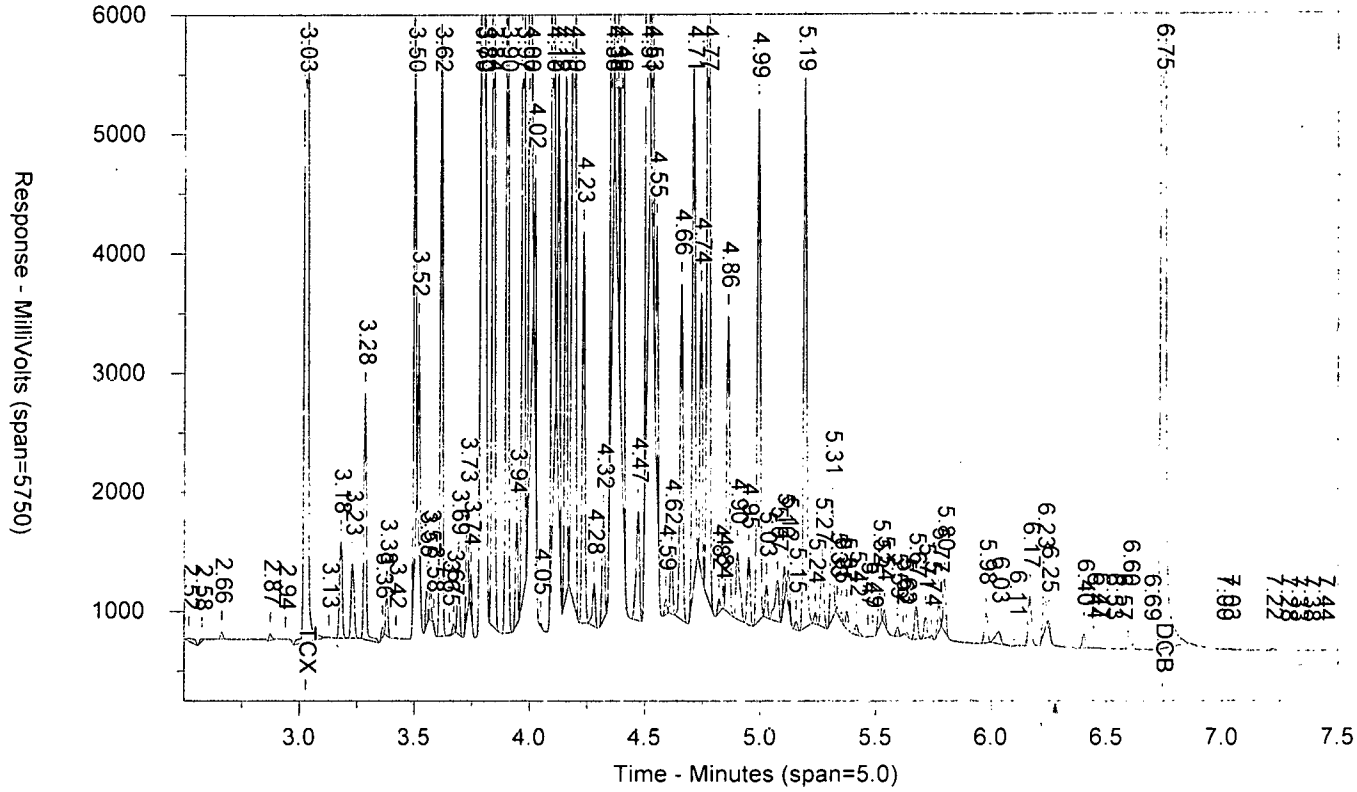

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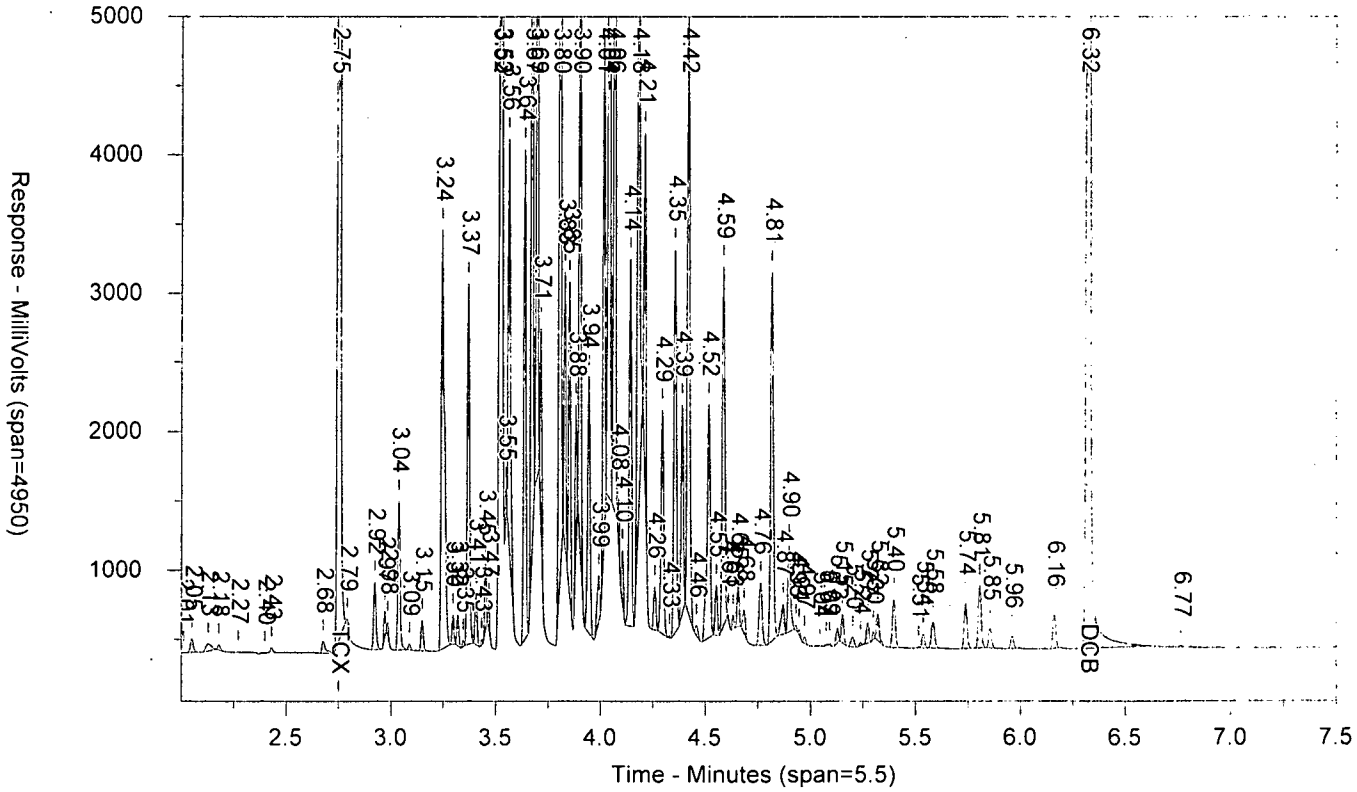

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:47:29 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	54595050	85.982	TCX	2.749	24721360	81.441	TCX
6.746	19389700	75.971	DCB	6.319	17537870	76.008	DCB

Files:
Area File: 07PCBS17292001.0018.RAW
Area File: 07PCBS17292001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 10:56:11 PM
File Reported On: 10/22/2017 at 1:35:29 PM

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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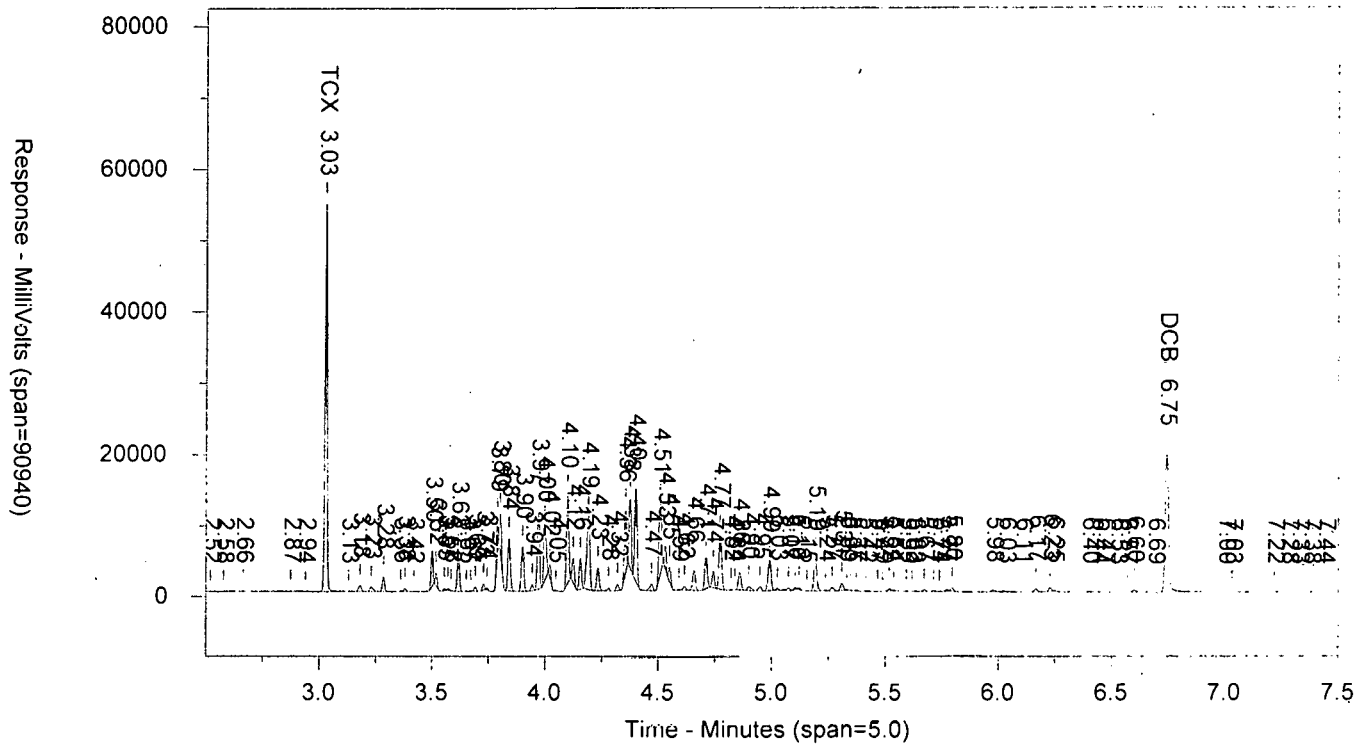

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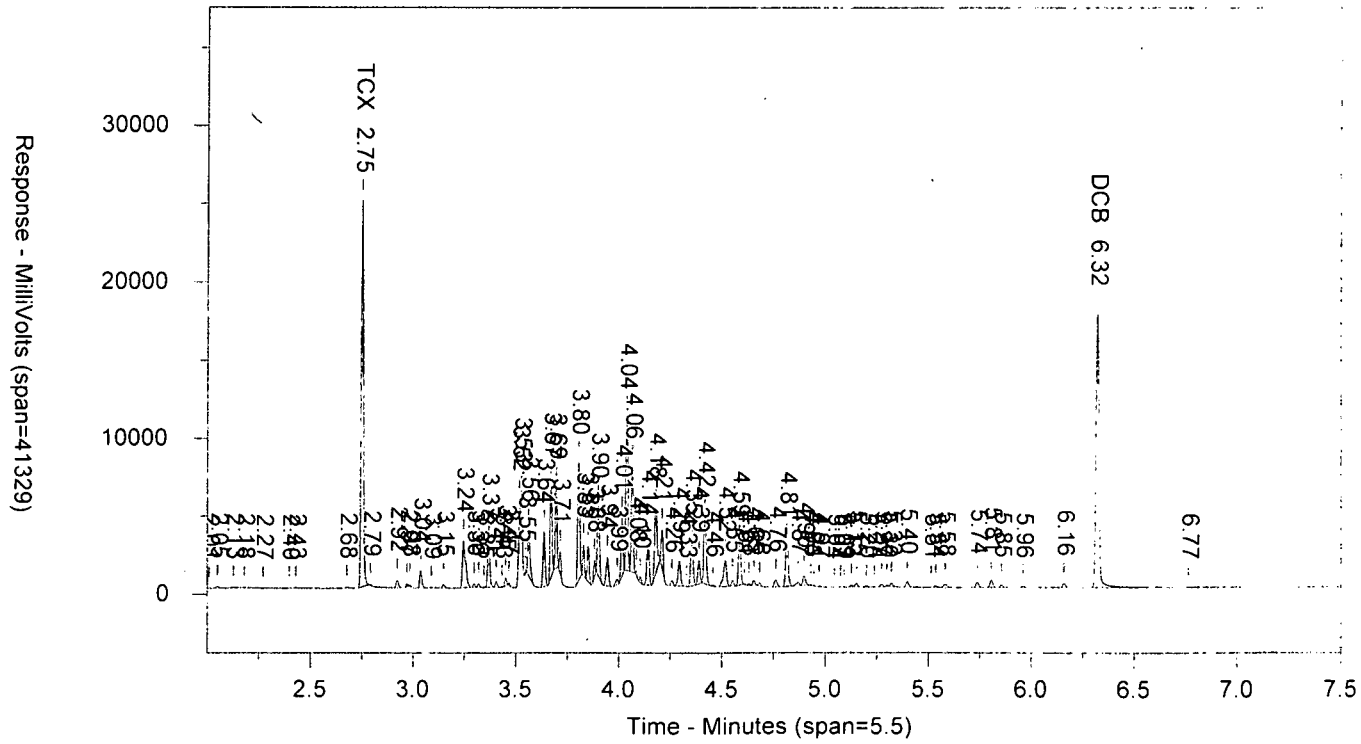

AR4861724B AAAR486AA ICAL 1729199999 10225 SW-846 8082

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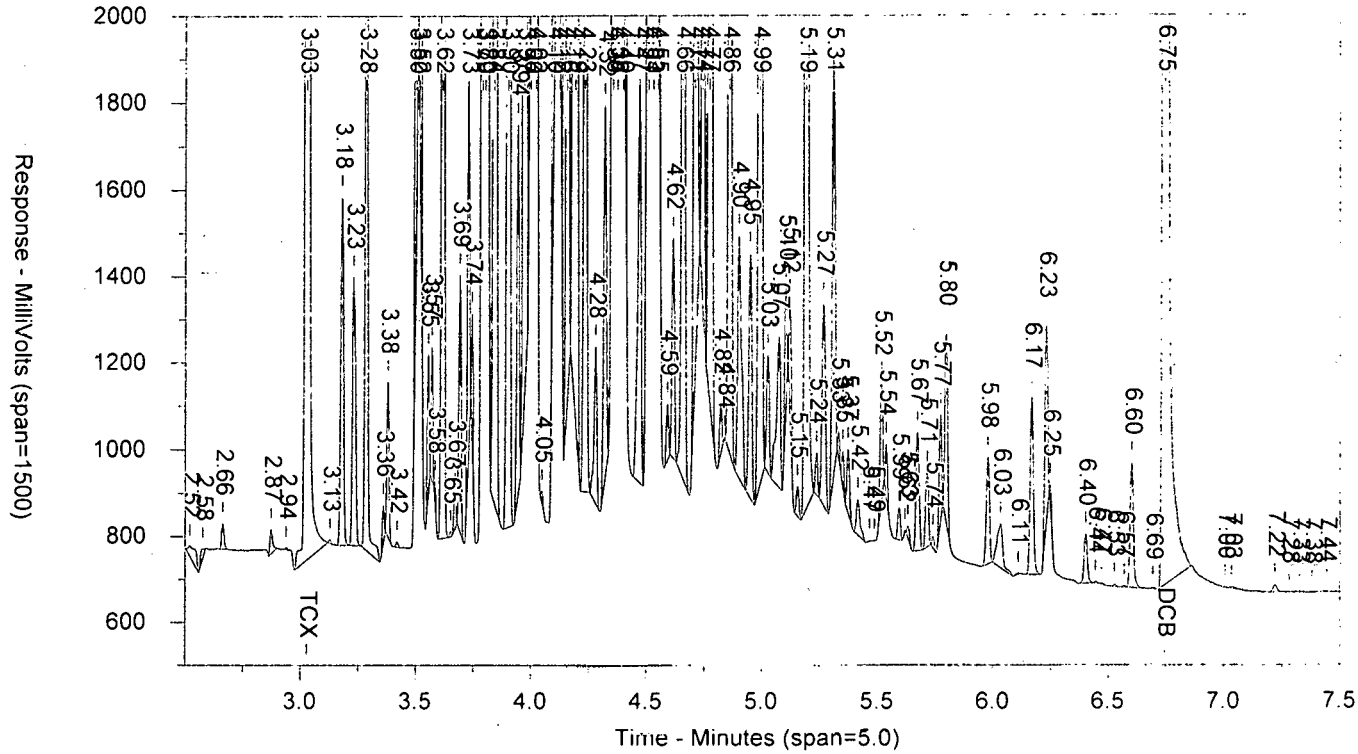

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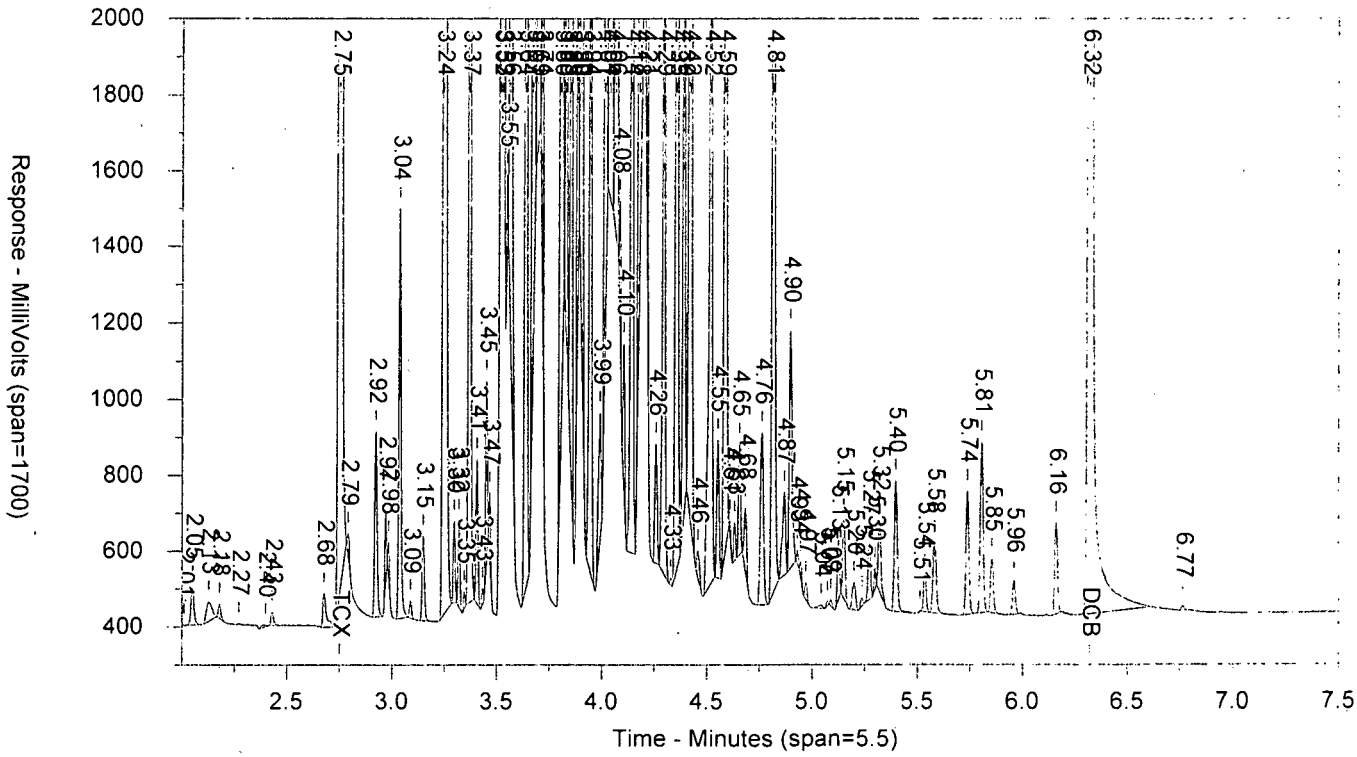

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.667		16206	92449
2.13		30856	82602
2.186		113430	240549
2.315		6348	5261
2.409		35361	24270
2.471		3328	3354
2.577		17326	23280
2.874		59003	64295
2.958		16792	19068
3.028	TCX	1304223	898765
3.18		6134	5024
3.229		17272	11865
3.284		10889	7616
3.363		9773	9764
3.424		1919	1264
3.501		23405	14952
3.518		6535	4800
3.571		12583	10040
3.597		8598	4653
3.616		16986	10244
3.694		13255	8689
3.73		3744	2089
3.77		1456	405
3.79		8545	4507
3.806		6586	5743
3.842		60861	47628
3.882		1644	1004
3.901		22027	16727
3.923		1198	177
3.945		4570	2465
3.971		241528	178254
4		74046	100463
4.047		13352	17459
4.1		145307	109004
4.125		9414	5364
4.156		24800	18242
4.191		67916	81879
4.234		15228	12334
4.28		7213	4694
4.317		12095	8440
4.356		340265	249161
4.376		113266	65483
4.402		99422	83125
4.47		90672	76334
4.514		480976	511079
4.55		176345	137768
4.592		6262	4294
4.614		28413	22667
4.658		185793	161873
4.711		307738	277079
4.743		73175	50311
4.774		597010	523937
4.822		28314	20553

RT A	Compound A	Height A	Area A
4.837		14121	5868
4.86		87977	68187
4.9		192629	190603
4.949		37086	32884
4.991		395228	368628
5.024		14462	9657
5.05		34824	29473
5.072		7290	4591
5.102		125880	93829
5.119		69127	46247
5.152		7872	6208
5.192		305278	286563
5.237		33751	26193
5.264		41211	55983
5.309		403884	348499
5.331		24093	12784
5.35		20172	10316
5.373		12301	8888
5.415		19288	28588
5.472		4938	5396
5.49		1416	375
5.517		111066	90088
5.536		21005	13439
5.593		24184	27048
5.633		13112	11589
5.673		10494	9521
5.714		75141	66607
5.739		13291	9201
5.772		50858	40974
5.796		12993	11853
5.979		50802	45790
6.008		7037	5404
6.109		2464	3089
6.164		12949	12555
6.23		12478	12282
6.389		1329	383
6.403		1733	1023
6.472		3388	2239
6.6		7339	7569
6.692		1880	1408
6.746	DCB	527685	545206
7.012		1339	506
7.045		4531	6969
7.256		935	628
7.292		1361	1141
7.482		1596	1086
7.621		976	982
7.703		1042	279
7.82		1039	1249
8.158		1561	693
8.184		1353	757
8.303		1254	389
8.467		1189	541
8.523		1594	655

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.618		2418	8409
1.844		1669	1247
1.924		6548	29404
2.009		5737	11982
2.042		23618	27705
2.129		66075	188174
2.403		4538	13406
2.677		88169	96877
2.749	TCX	599164	461612
2.922		3981	3522
2.97		8576	7225
3.037		8884	6357
3.086		4079	10482
3.147		2361	2240
3.245		16054	19403
3.321		25212	21876
3.37		14001	13505
3.406		15743	11185
3.454		2057	1147
3.518		10053	10937
3.563		26436	27753
3.637		17237	14250
3.671		156330	109695
3.696		71376	49083
3.736		3066	2350
3.805		99432	72781
3.829		6628	3587
3.852		17078	12006
3.883		25923	15402
3.901		27029	16880
3.943		11982	11122
3.985		10893	10790
4.016		24990	15403
4.039		338302	254563
4.065		27971	16392
4.086		27927	15498
4.104		51437	33464
4.142		290412	236508
4.176		104731	71869
4.196		74006	46408
4.258		23649	22828
4.295		120590	107544
4.354		225111	188708
4.389		57579	44590
4.418		386261	333792
4.458		29443	26753
4.514		197732	195185
4.552		24324	20184
4.586		233601	191751
4.611		33924	21094
4.655		158947	141267
4.761		156906	160983
4.815		160142	147903
4.857		42521	41088

4.897		281831	310323
4.946		19509	13661
4.97		7671	5063
5.09		10859	8886
5.126		13892	9719
5.151		84430	75913
5.201		11467	10813
5.236		9249	7363
5.271		6803	6442
5.298		32546	24387
5.319		27772	23036
5.395		10319	9631
5.578		38897	43165
5.739		10015	9845
5.805		14757	12986
5.853		5119	5178
5.955		2283	3867
6.159		6954	6594
6.319	DCB	502636	499640
6.798		3446	3219

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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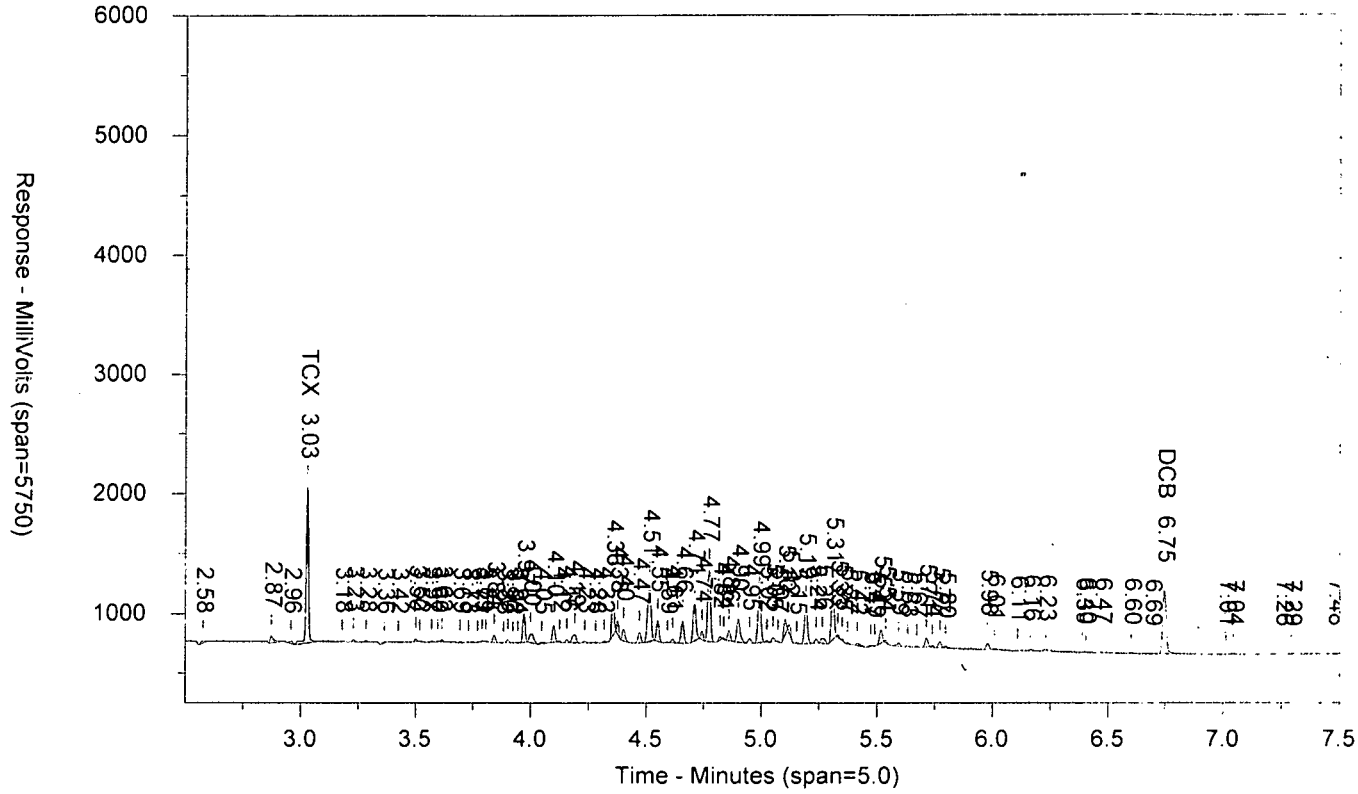

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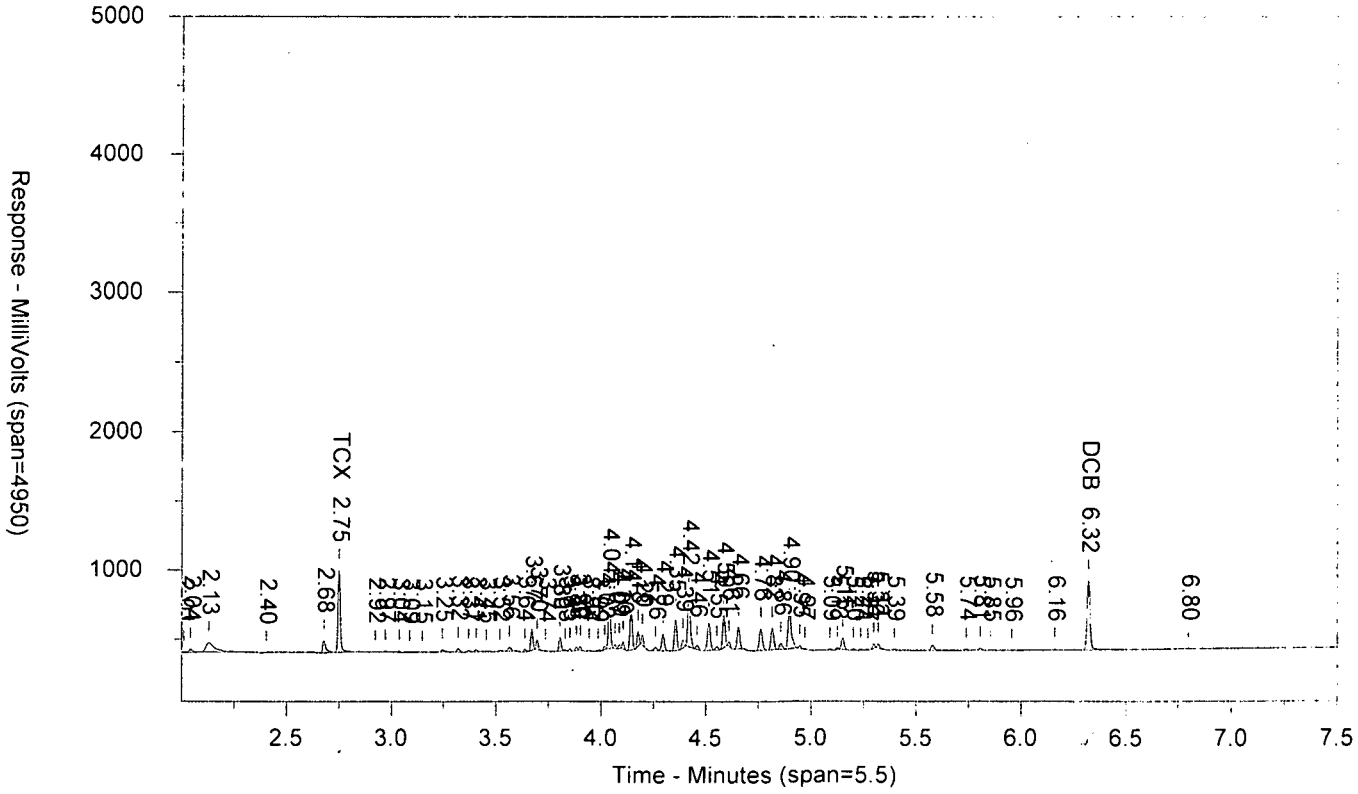

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 10:58:50 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1304223	2.054	TCX	2.749	599164	1.974	TCX
6.746	527685	2.068	DCB	6.319	502636	2.178	DCB

Files:
Area File: 07PCBS17292001.0019.RAW
Area File: 07PCBS17292001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:07:29 PM
File Reported On: 10/22/2017 at 1:35:41 PM

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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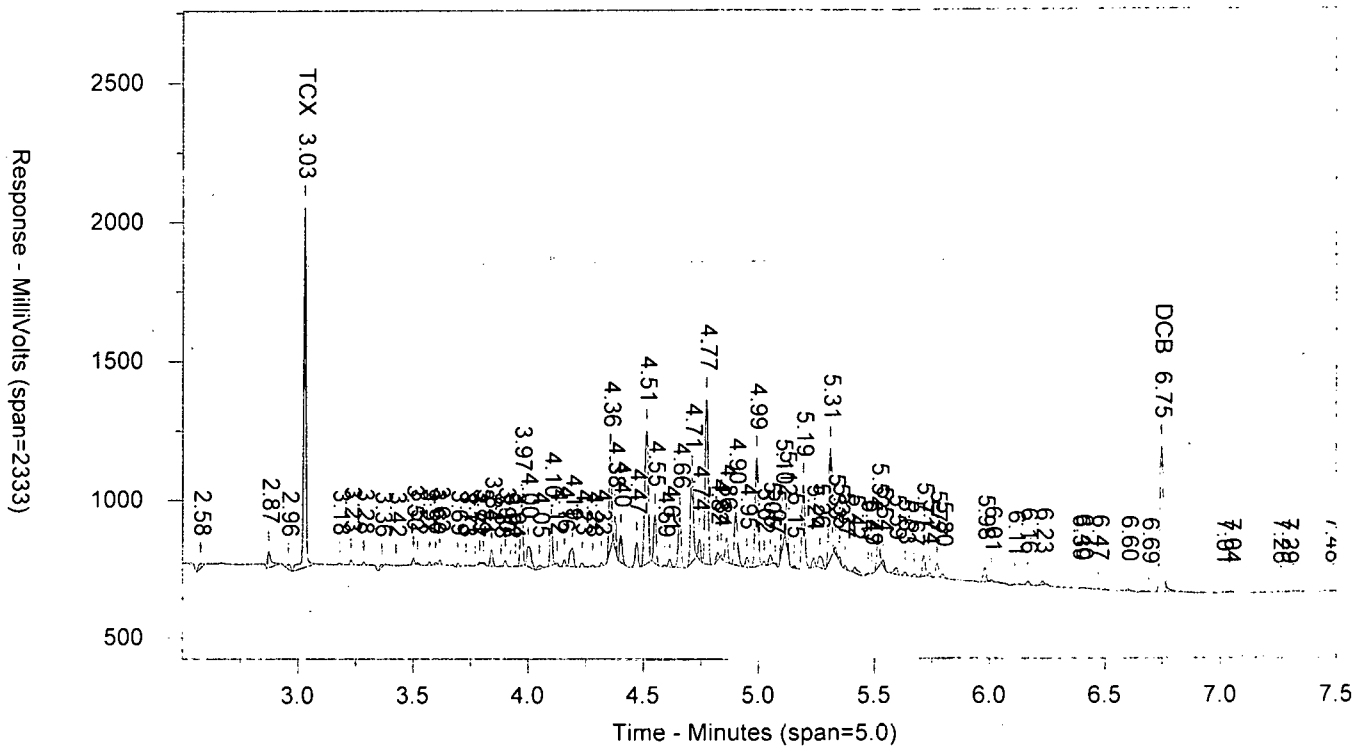

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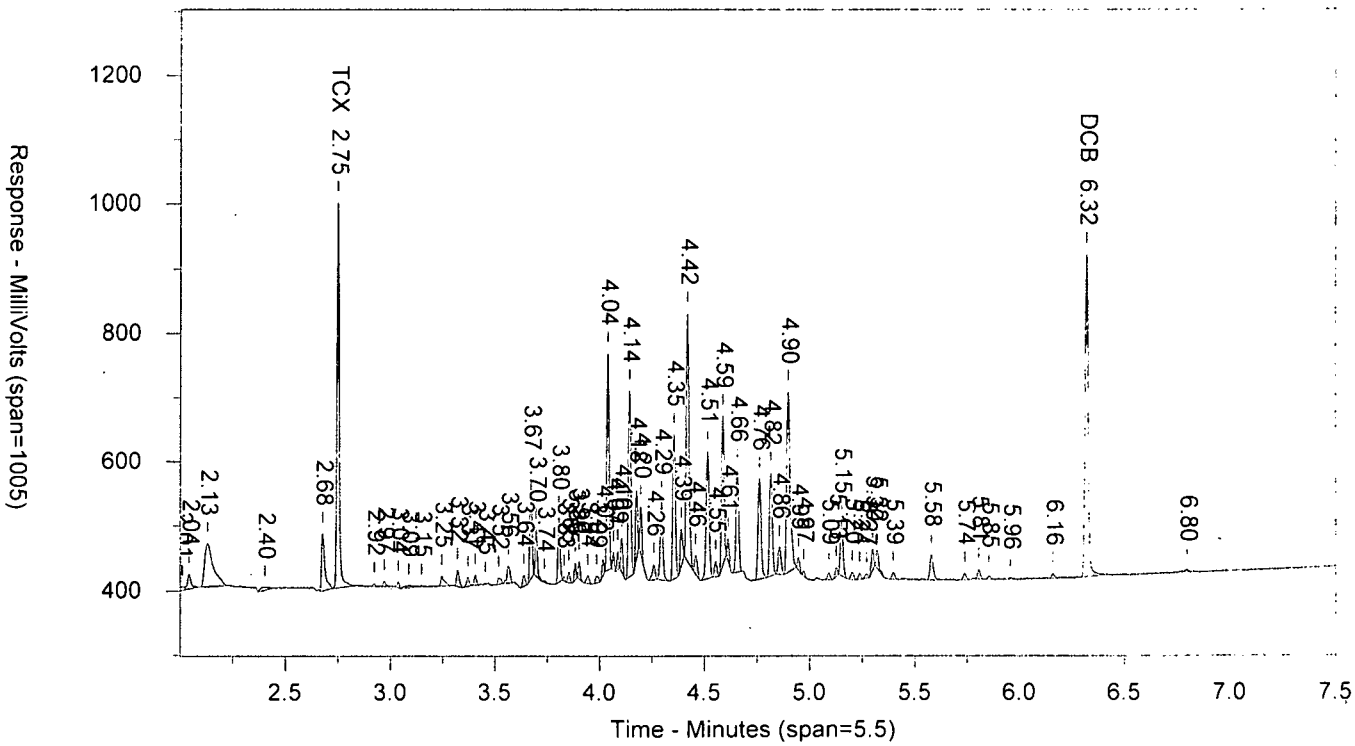

AR5411724C AAAR541AA ICAL 1729199999 10225 SW-846 8082

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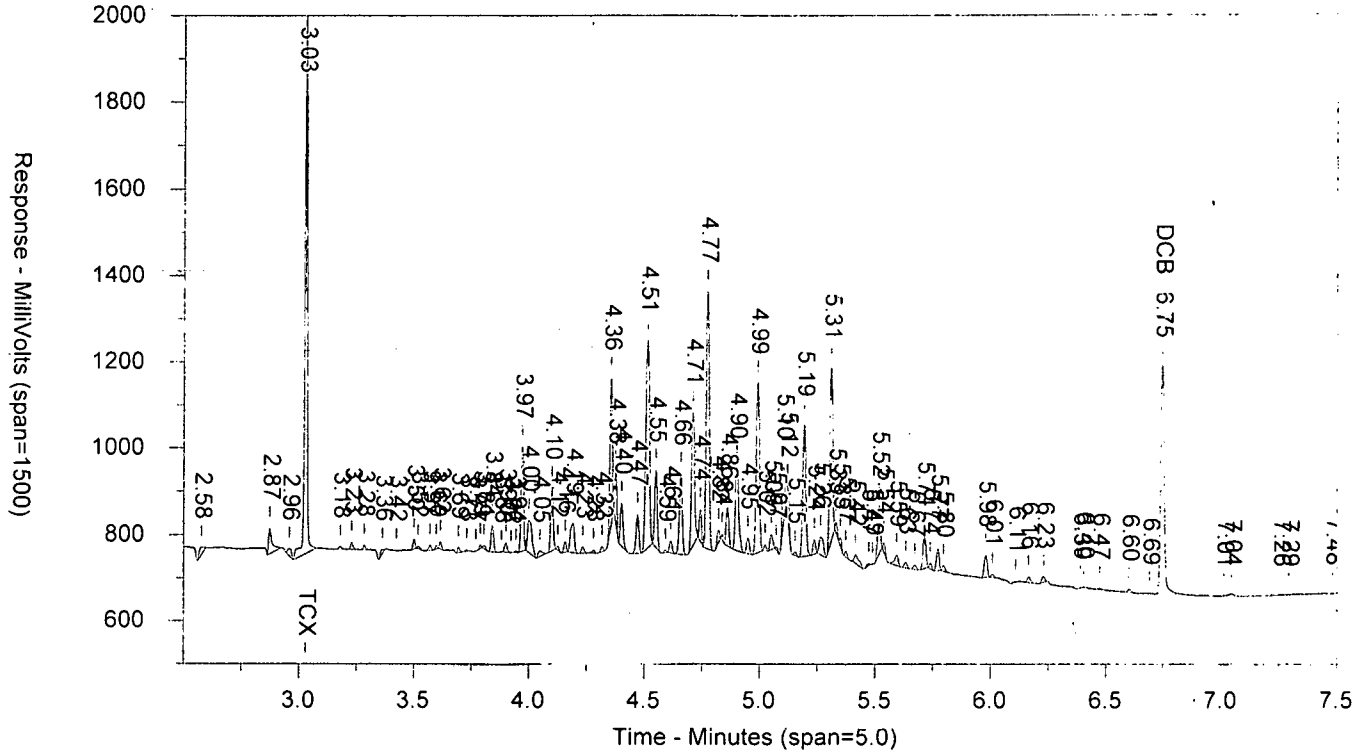

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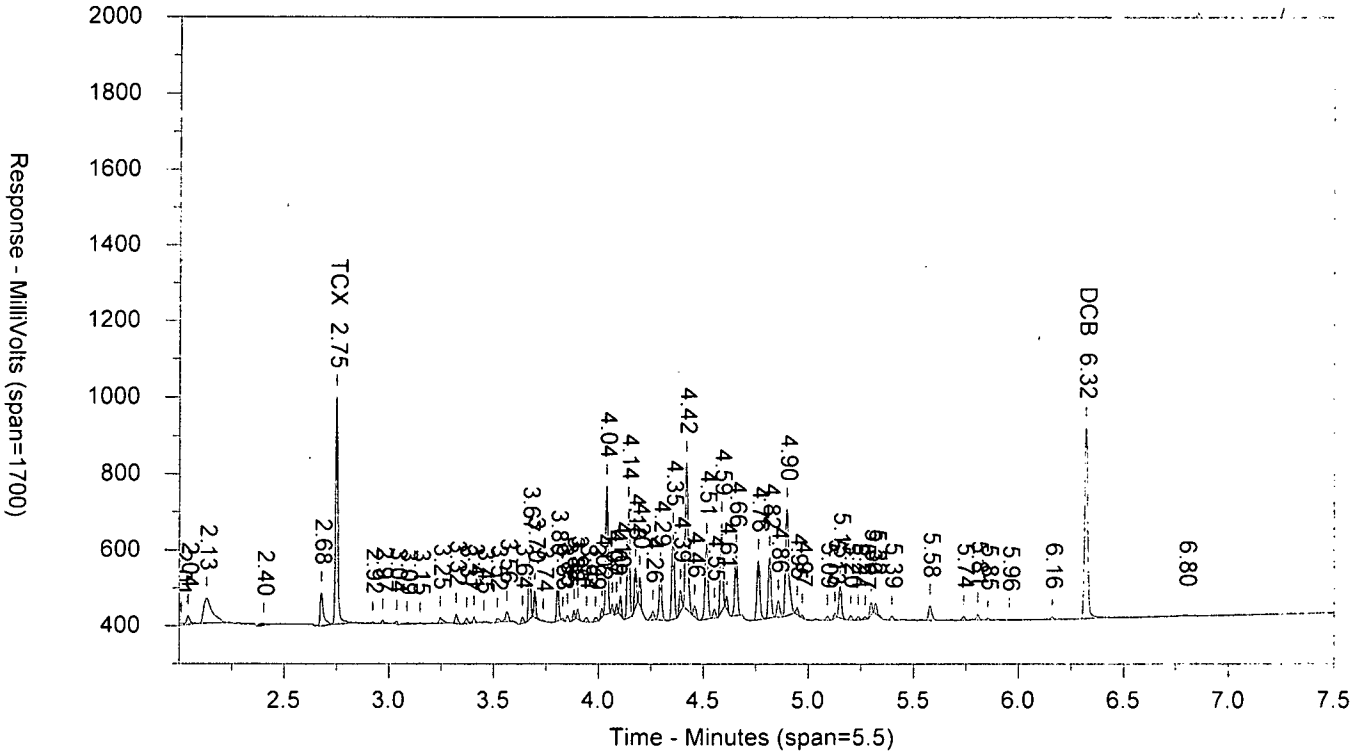

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.685		16949	132148
1.809		1659	1229
1.903		1662	698
2.126		39519	72611
2.185		158221	418121
2.316		18474	23926
2.41		24217	14528
2.471		2132	2197
2.59		13098	34658
2.641		2375	1632
2.666		2515	1342
2.795		1548	1163
2.875		74207	67073
2.961		18641	20905
2.996		6245	11497
3.029	TCX	2375090	1578516
3.18		12423	10147
3.23		31605	24701
3.285		22308	16222
3.363		10367	9505
3.381		3384	1631
3.502		45005	28031
3.519		13574	11454
3.572		24878	19558
3.617		39472	26863
3.694		38273	24771
3.73		7168	4443
3.791		12600	6783
3.81		13784	11927
3.843		117145	92777
3.87		829	170
3.879		971	185
3.901		43121	33327
3.925		1523	293
3.945		7421	4546
3.972		452424	333602
4.001		139197	182414
4.049		14795	14596
4.1		272313	205701
4.126		17910	10545
4.157		48318	34544
4.192		129868	157867
4.235		29676	23362
4.265		1867	696
4.281		13405	8679
4.319		24448	17046
4.357		643752	460911
4.377		232842	135362
4.403		190676	149512
4.472		166679	144126
4.515		926587	961312
4.551		321183	260098
4.592		12348	8430

RT A	Compound A	Height A	Area A
4.616		55397	43720
4.659		339371	303279
4.712		584735	517870
4.744		142475	94924
4.775		1186763	1002346
4.823		50060	37289
4.838		20321	9886
4.861		172743	132881
4.901		356205	358032
4.95		67982	61910
4.992		749299	695090
5.025		30084	21540
5.051		66875	54881
5.073		13544	8645
5.103		251445	180414
5.12		138359	90351
5.153		13181	9886
5.193		564452	541119
5.238		61693	47339
5.264		73246	100925
5.31		741603	650887
5.332		46296	23408
5.349		32802	19506
5.375		23483	16196
5.417		33291	44288
5.469		2876	2206
5.488		2094	918
5.517		213538	170310
5.538		36536	23040
5.593		34292	30900
5.633		25692	22058
5.674		20108	17571
5.715		143957	123101
5.741		21793	15098
5.773		93517	77306
5.796		23917	18563
5.979		89549	84052
6.008		12079	10403
6.101		2895	1176
6.166		23788	21836
6.229		29604	26438
6.401		5551	6359
6.602		14589	15282
6.748	DCB	974225	1007510
6.912		1406	1055
7.042		1513	816
7.208		1668	647
7.223		1470	1427
7.408		946	1017
7.486		1386	844
7.929		1304	864
8.101		1753	577
8.192		1477	909
8.233		1496	592
8.319		1398	856
8.34		1308	821
8.443		1432	399
8.489		1813	515

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.608		6013	15437
1.664		3933	4576
1.903		2727	5418
2.043		19682	39374
2.129		75582	238810
2.395		4804	11733
2.659		4666	1964
2.677		114960	128959
2.749	TCX	1145593	872160
2.922		8847	6795
2.97		16068	12872
3.037		14457	9490
3.087		3697	7173
3.15		3554	2823
3.246		32046	36959
3.299		1472	772
3.321		20299	16590
3.371		26350	21861
3.406		31200	21052
3.453		3493	1905
3.467		4408	2586
3.518		15471	16683
3.549		4196	2099
3.564		48742	46791
3.639		31496	23243
3.671		286307	200766
3.696		134672	91892
3.733		5264	3070
3.805		181728	133669
3.829		13624	7163
3.852		32833	24086
3.883		48094	29667
3.9		48505	29368
3.944		22576	21057
3.989		19546	20906
4.016		43557	27522
4.039		603844	469581
4.065		51918	29174
4.086		53747	30611
4.105		95589	63606
4.143		541192	434801
4.177		193651	135047
4.196		139067	84761
4.259		42394	36993
4.295		216685	199808
4.355		419471	352993
4.39		101908	81262
4.419		710306	622845
4.459		54130	52065
4.515		368273	357280
4.553		46435	38991
4.587		444496	357046
4.611		61029	40228
4.656		303137	296878

4.762		282851	300470
4.816		307553	281757
4.857		78277	76617
4.898		523844	572697
4.946		37310	25755
4.97		14912	10711
5.036		6030	7592
5.091		23220	22288
5.127		26801	18768
5.151		161273	141374
5.202		22103	20170
5.237		17570	14277
5.272		12206	11273
5.298		64518	46888
5.319		53634	42266
5.396		22989	21521
5.536		3754	3257
5.579		71460	80423
5.738		20297	19767
5.779		2200	1202
5.805		27808	24547
5.853		9612	8917
5.96		4101	4563
6.16		12504	11399
6.319	DCB	888519	901471
6.795		3642	5084
8.63		3271	11682

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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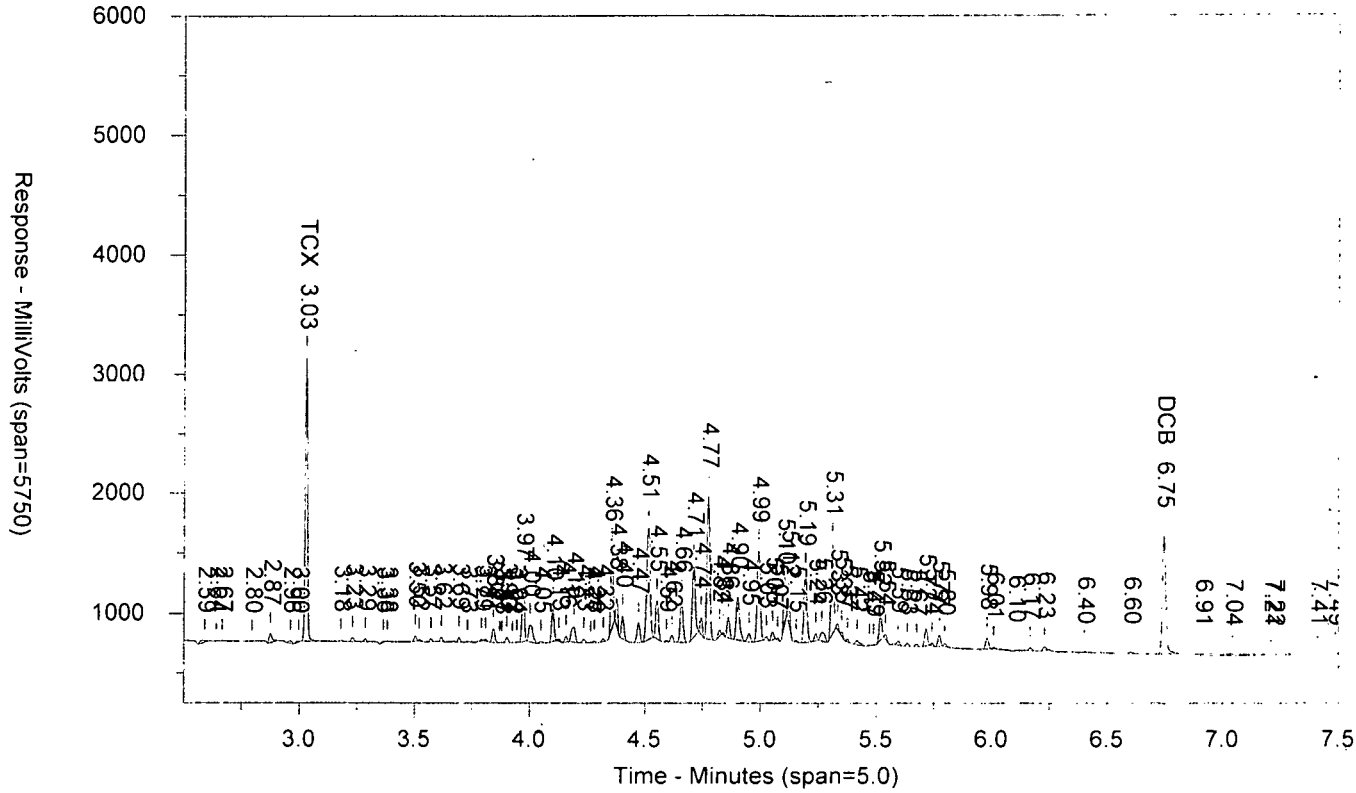

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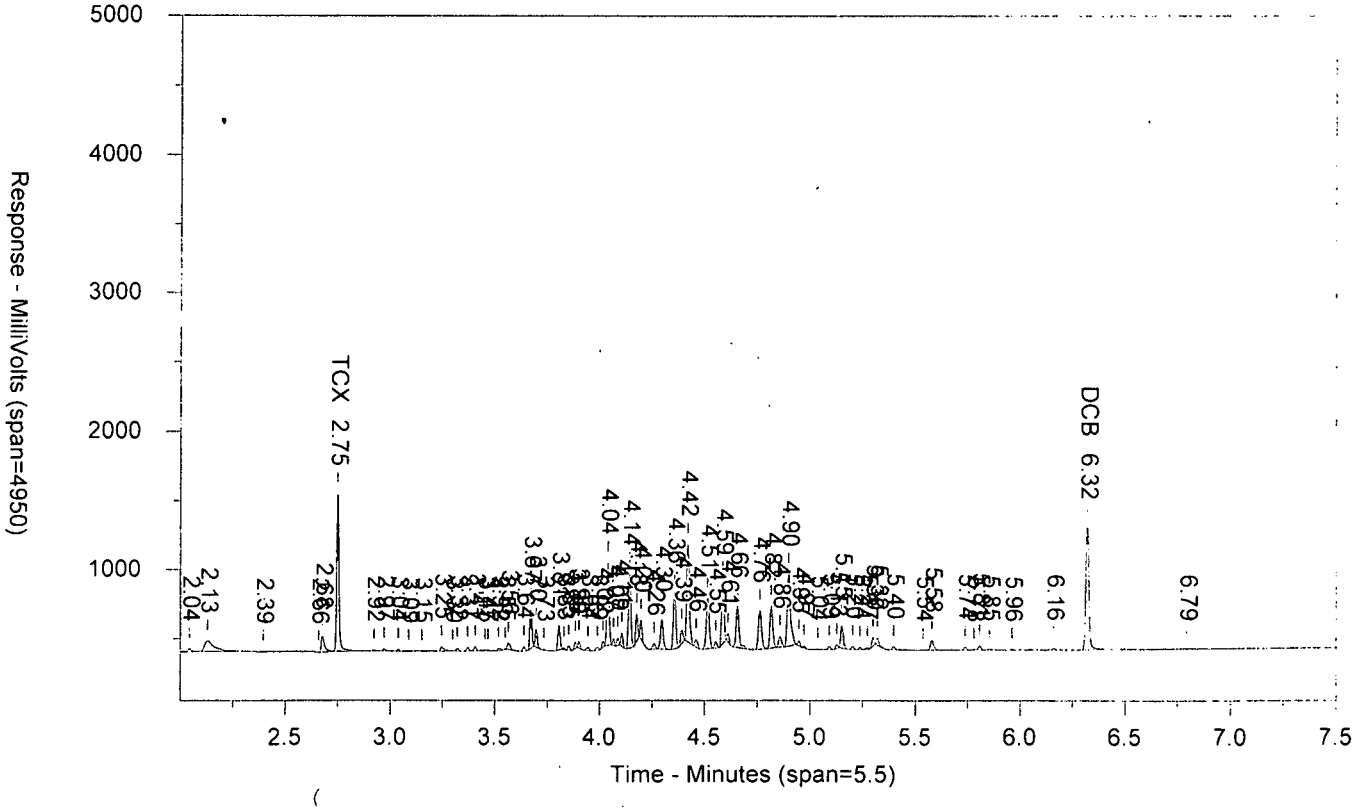

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:10:13 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	2375090	3.741	TCX	2.749	1145593	3.774	TCX
6.748	974225	3.817	DCB	6.319	888519	3.851	DCB

Files:
Area File: 07PCBS17292001.0020.RAW
Area File: 07PCBS17292001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:18:55 PM
File Reported On: 10/22/2017 at 1:35:51 PM

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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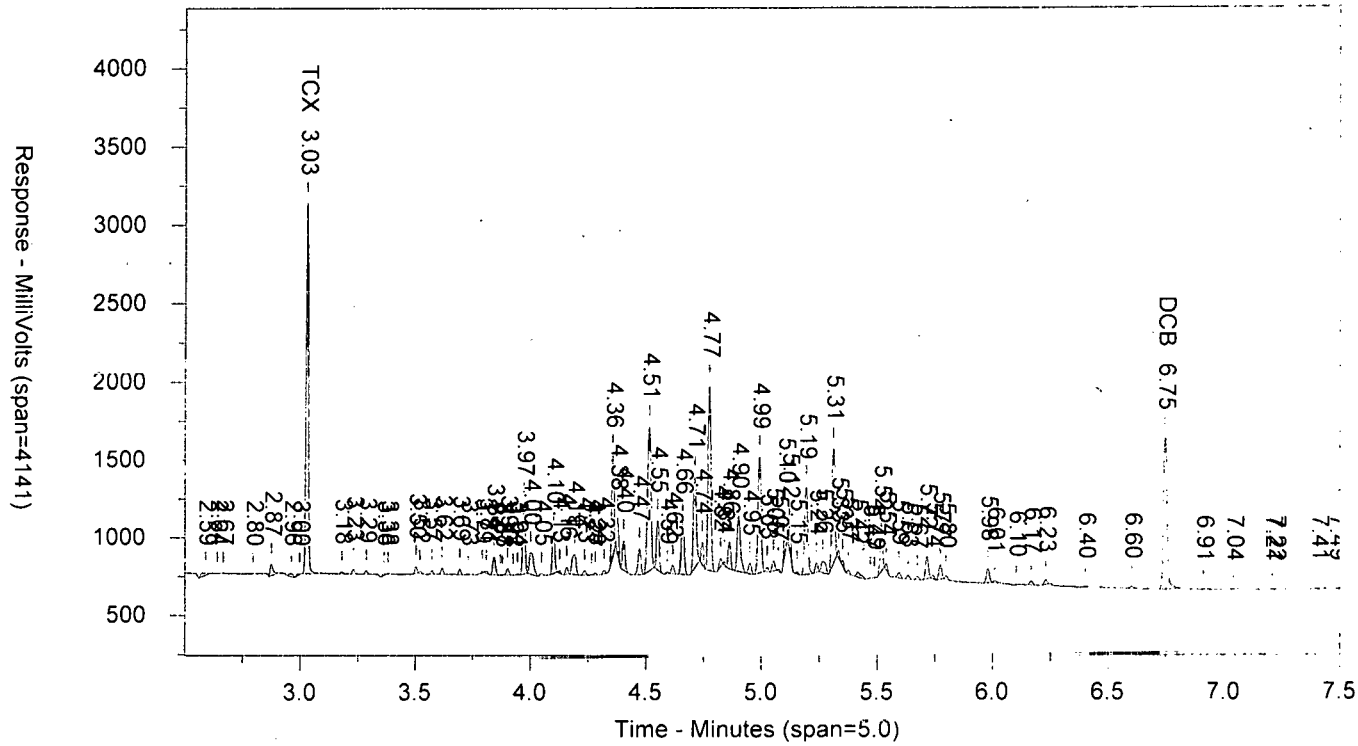

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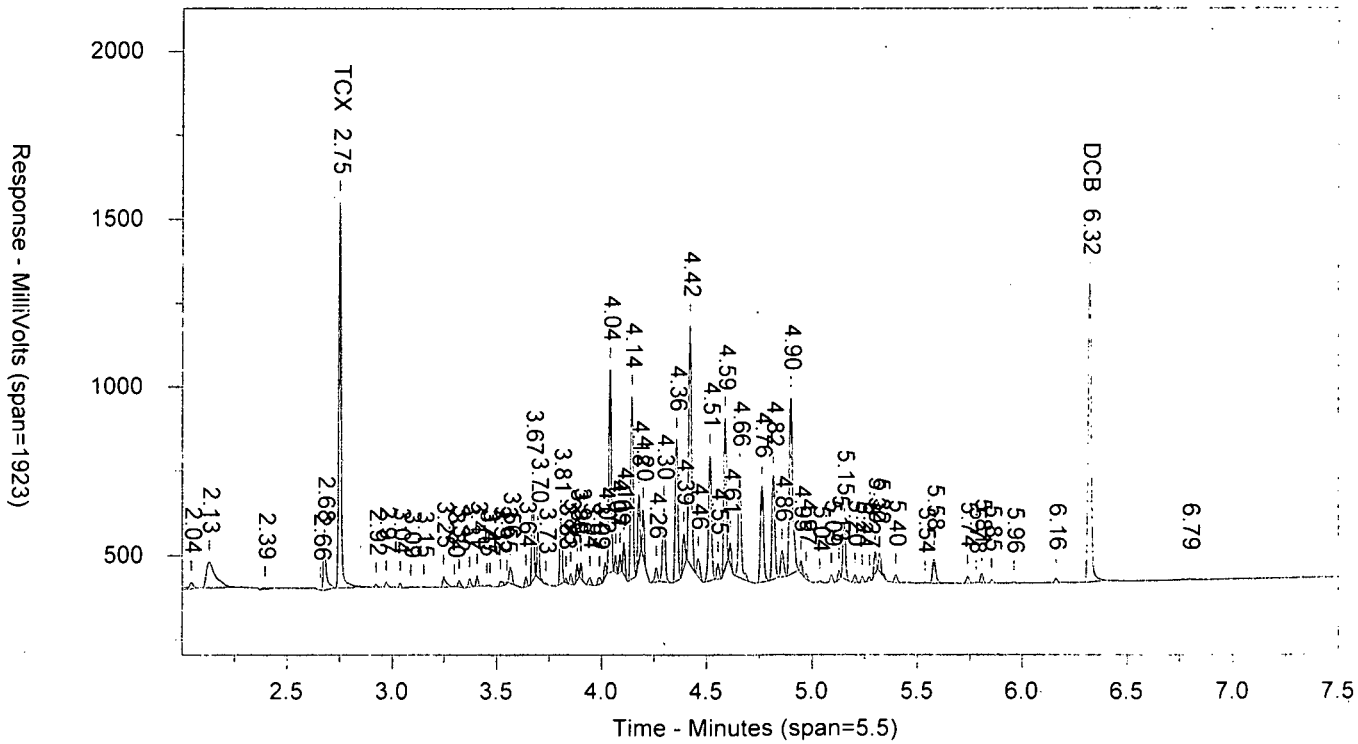

AR5421724C AAAR542AA ICAL 1729199999 10225 SW-846 8082

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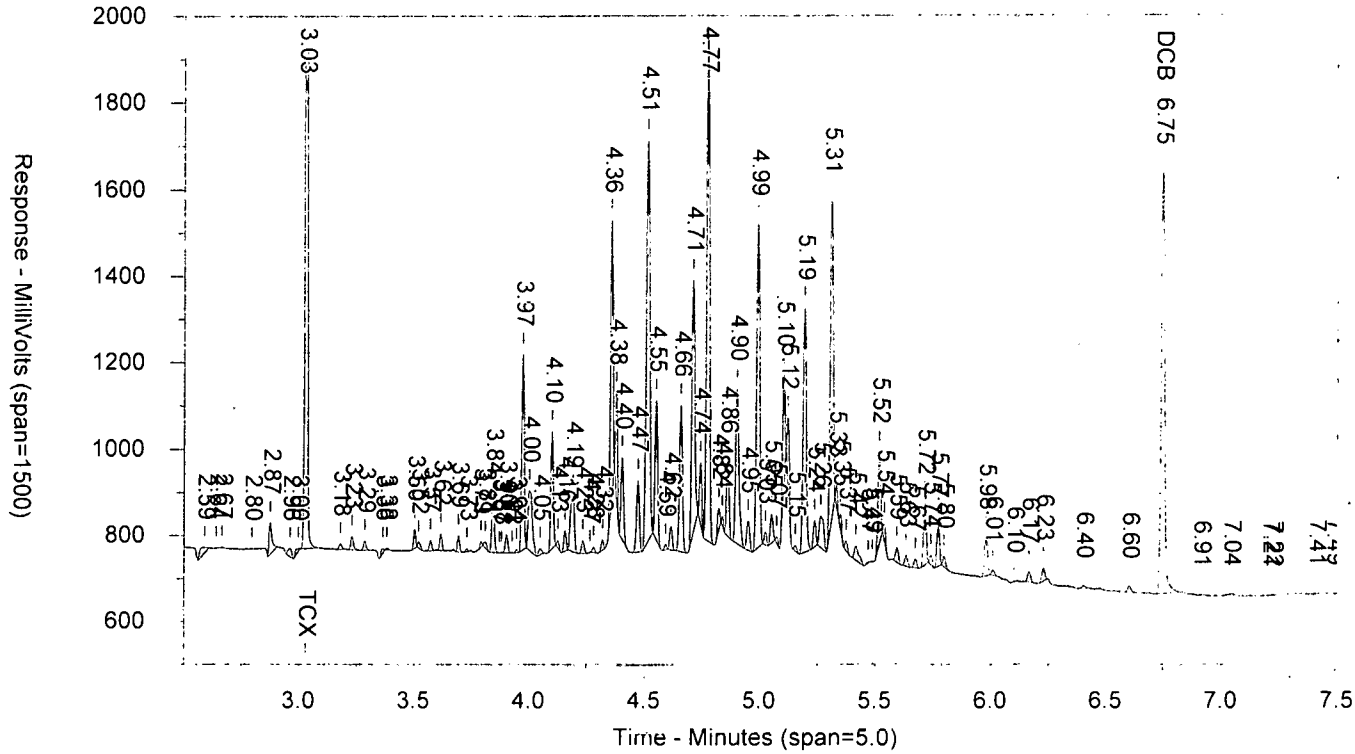

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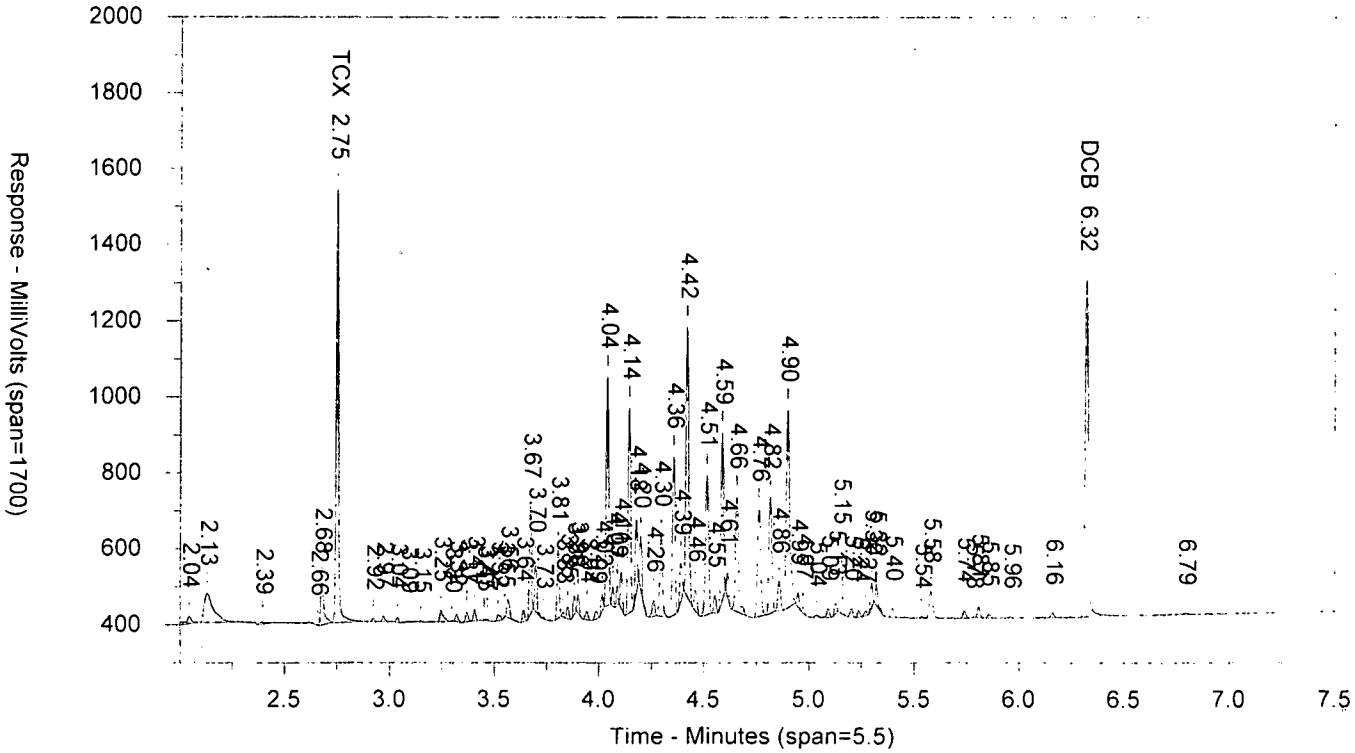


LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.691		9155	113280
1.825		2284	2385
1.956		2185	2868
2.043		1802	871
2.12		31826	52534
2.183		119088	273945
2.239		18634	23754
2.316		23152	18416
2.41		33768	22427
2.427		10195	6710
2.462		2227	1346
2.593		9417	26117
2.668		3847	3639
2.875		58570	52722
2.959		11979	12884
3.028	TCX	5061589	3360709
3.18		23822	19007
3.23		63470	46951
3.285		39053	27530
3.362		14506	9796
3.38		8237	5205
3.502		85687	51189
3.52		25634	19772
3.572		48767	33499
3.6		9951	4964
3.618		71190	46270
3.673		9065	6019
3.693		84984	56344
3.729		12884	8240
3.745		5133	2721
3.79		26548	13492
3.809		22796	21901
3.843		219070	170810
3.882		1597	352
3.901		83161	62367
3.945		14181	9284
3.972		866777	631123
4.001		253644	329400
4.049		19335	18754
4.101		528980	388790
4.126		31837	19613
4.157		89891	63454
4.191		240595	297964
4.235		53454	43391
4.282		26783	25343
4.32		43706	31332
4.357		1230398	886075
4.377		462557	271555
4.403		345153	281529
4.472		327737	276763
4.515		1824666	1845679
4.551		620667	498152
4.593		21427	14573

RT A	Compound A	Height A	Area A
4.616		105825	80811
4.659		647985	573791
4.712		1156138	1002511
4.744		261233	178352
4.775		2237816	1967227
4.823		105669	71379
4.838		41322	20478
4.861		331446	255635
4.901		699554	686239
4.95		134952	117908
4.992		1472967	1359142
5.025		49491	36616
5.051		122015	98580
5.074		26194	15728
5.103		476267	347282
5.12		260787	166997
5.152		20955	15662
5.193		1152599	1061462
5.238		122218	91728
5.264		148558	198215
5.311		1437849	1281281
5.333		98039	49621
5.35		63631	34517
5.374		35978	25800
5.416		57300	71468
5.468		2864	2000
5.492		2153	1267
5.518		398280	328513
5.538		78155	45871
5.594		59345	51544
5.633		48470	46355
5.674		38613	37508
5.715		274730	240359
5.741		42824	28776
5.772		178346	150441
5.797		38263	27801
5.979		171657	156776
6.01		26167	25144
6.109		1570	865
6.167		45090	44779
6.231		55064	50198
6.404		9934	10971
6.474		5726	5785
6.603		27984	26627
6.749	DCB	1971657	2043925
6.911		1616	616
7.03		1608	661
7.043		1575	760
7.301		1462	422
7.34		1561	795
7.366		1611	1299
7.491		995	1407
7.588		1279	527
7.683		1352	517
7.695		1738	461
7.745		1682	916
7.911		1155	721
8.046		1268	431
8.172		1818	2311
8.23		1186	616
8.251		1360	433

LANCASTER LABORATORIES

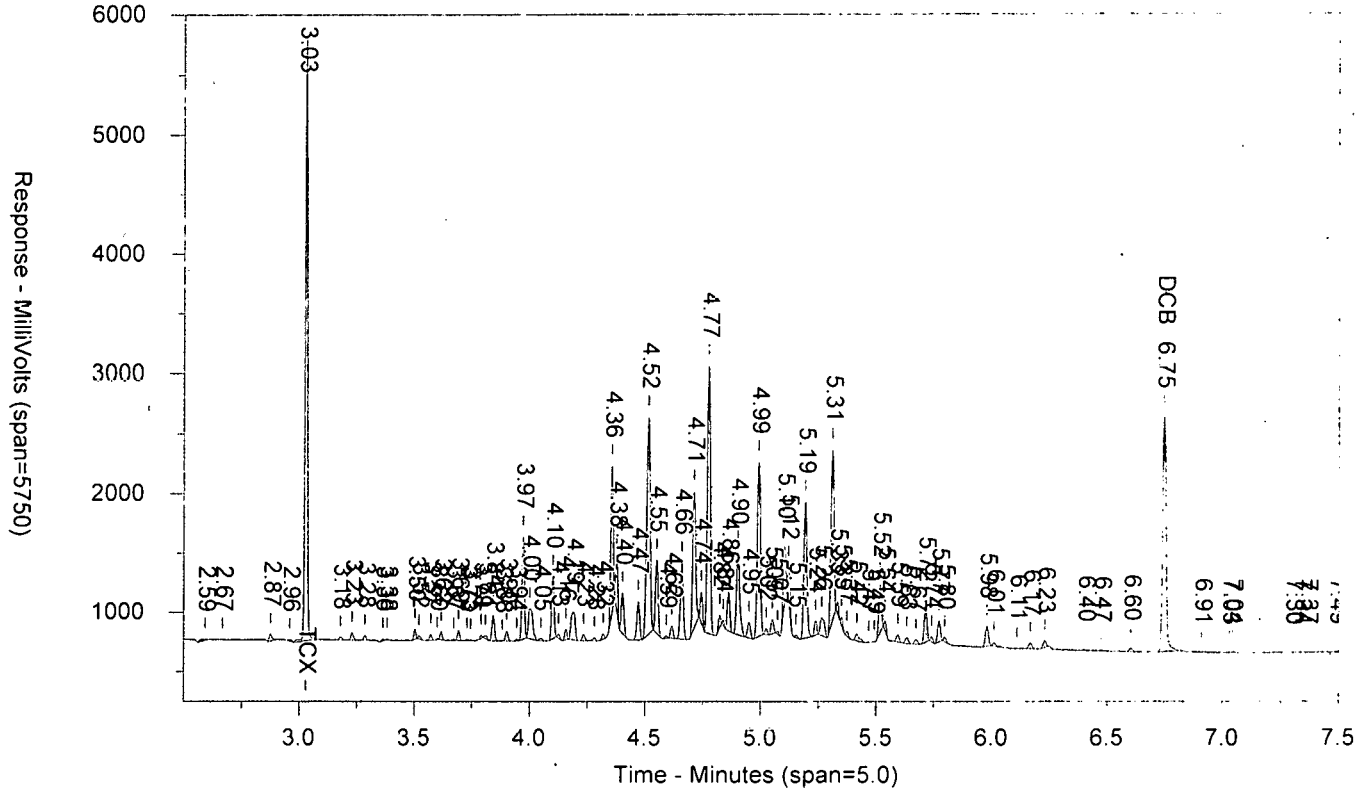
Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.653		4631	27410
1.908		6046	18126
2.011		2481	5698
2.043		21896	26251
2.13		63518	185620
2.397		3076	5761
2.677		91740	100929
2.749	TCX	2391005	1788038
2.922		16069	12335
2.97		31641	27115
3.037		24792	17020
3.088		5038	4393
3.149		5927	4764
3.246		61539	67169
3.299		2306	1287
3.322		49715	40490
3.371		47551	37247
3.407		60129	40615
3.433		5461	2814
3.453		6404	3278
3.468		5609	3028
3.519		27864	29110
3.549		8624	4029
3.564		86636	80164
3.639		57217	41446
3.672		533748	366756
3.696		244550	166394
3.734		10221	6929
3.805		336432	250088
3.83		23251	12392
3.852		63261	43798
3.884		88015	52591
3.901		87065	53264
3.944		41917	39404
3.988		36731	38875
4.016		88438	54824
4.039		1164363	879195
4.065		93669	53257
4.086		96066	55286
4.105		177263	119023
4.142		1008847	810170
4.177		357972	253540
4.196		258353	158203
4.259		77396	62984
4.295		404598	372389
4.355		813291	671015
4.39		193488	147463
4.418		1358789	1184043
4.459		102034	100232
4.515		688779	669862
4.553		92633	75501
4.586		855945	691776
4.611		118765	73825
4.656		561696	480168

4.682		17302	10698
4.762		547647	569493
4.816		611602	552476
4.857		151866	146991
4.897		1026480	1098863
4.946		69687	48514
4.97		28024	19143
5.036		10970	13613
5.09		49034	47122
5.127		48147	35115
5.151		302237	270152
5.202		42264	38630
5.237		33805	27847
5.271		25020	22788
5.298		124511	92023
5.32		97032	80466
5.396		46394	43045
5.536		5650	5014
5.578		136494	151619
5.738		38332	35763
5.781		4658	3302
5.806		54531	48534
5.854		18751	18657
5.959		7713	7146
6.159		23830	23148
6.32	DCB	1774376	1853607
6.798		3241	4034

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0021.RAW



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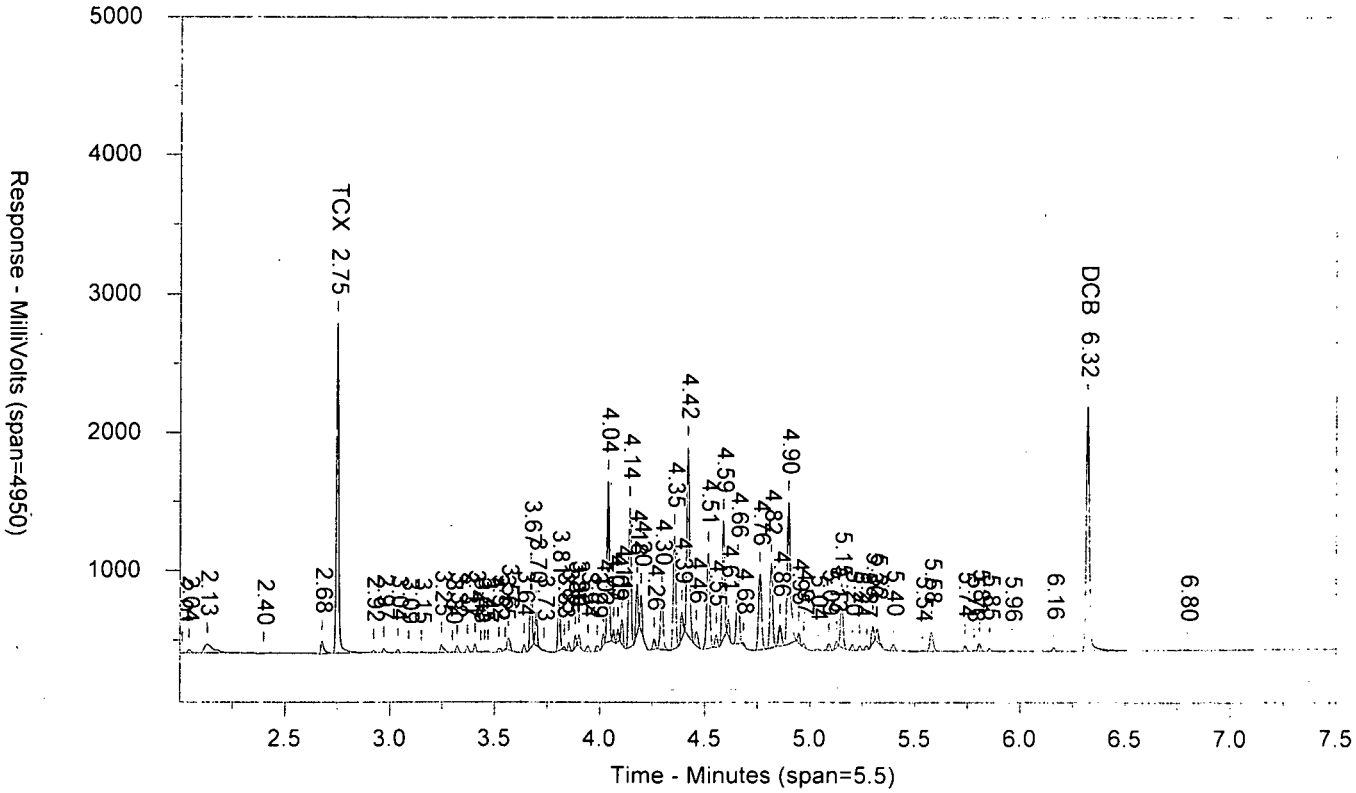

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:21:39 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	5061589	7.972	TCX	2.749	2391005	7.877	TCX
6.749	1971657	7.725	DCB	6.32	1774376	7.69	DCB

Files:
Area File: 07PCBS17292001.0021.RAW
Area File: 07PCBS17292001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:30:21 PM
File Reported On: 10/22/2017 at 1:36:01 PM

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

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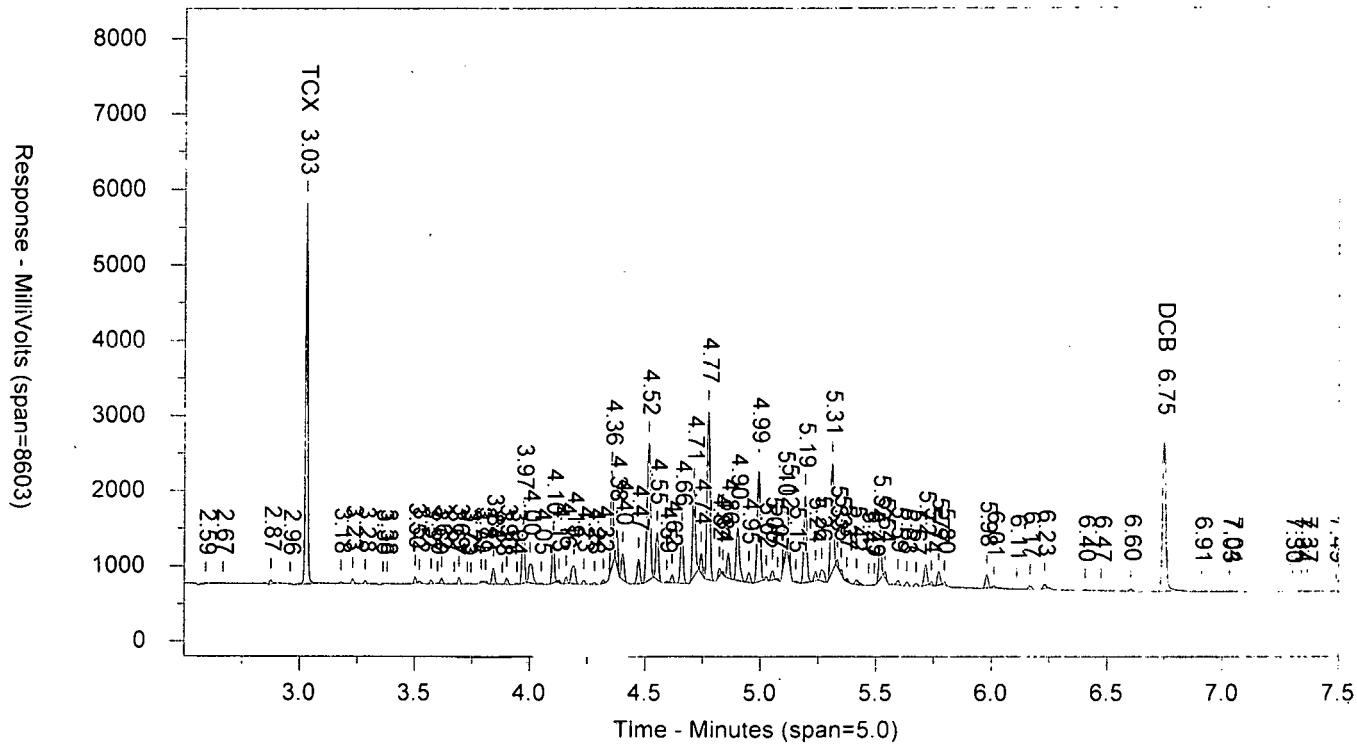

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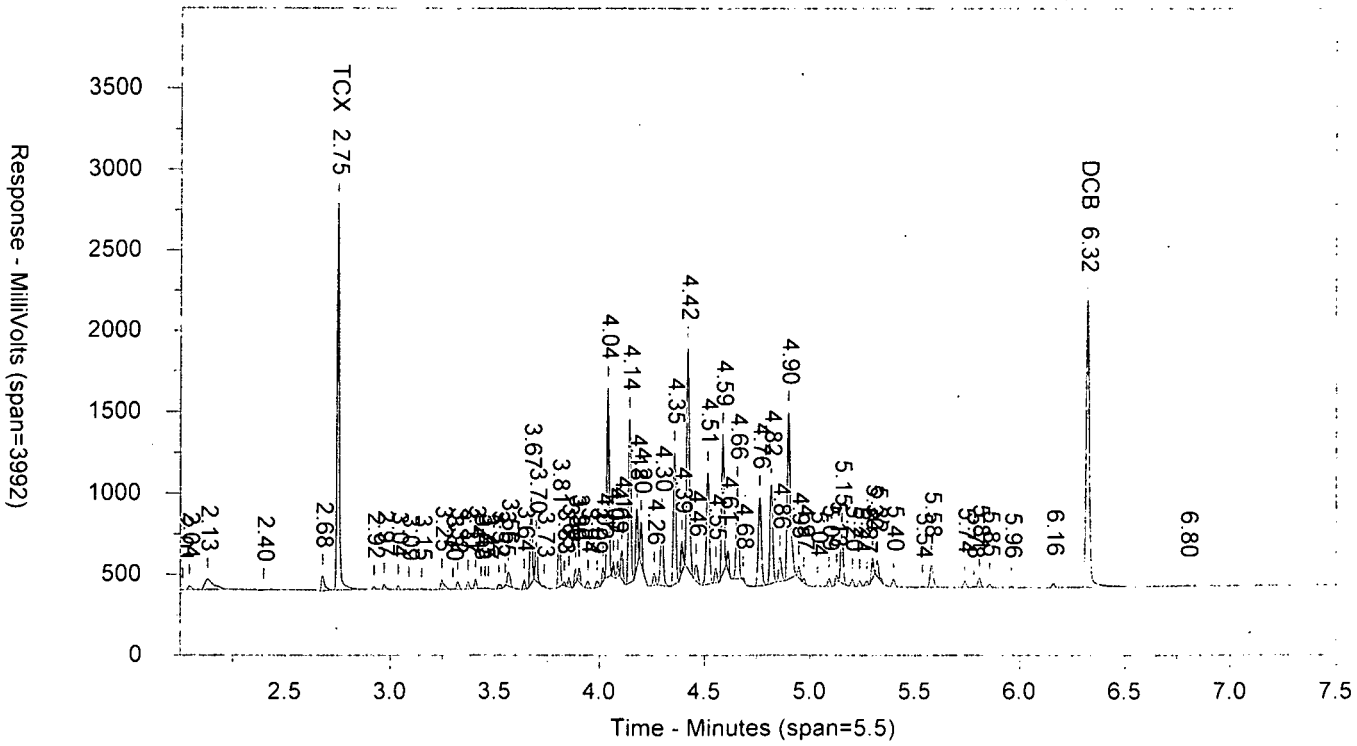

AR5431724C AAAR543AA ICAL 1729199999 10225 SW-846 8082

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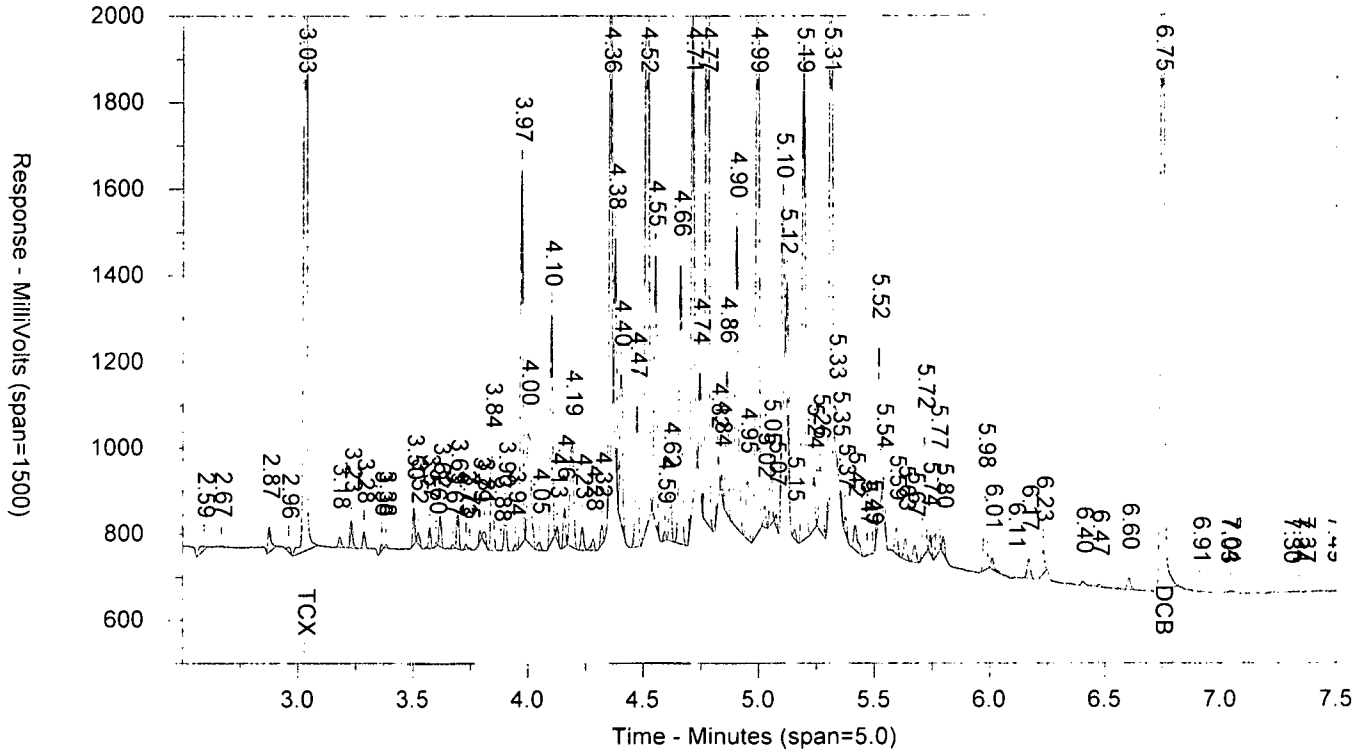

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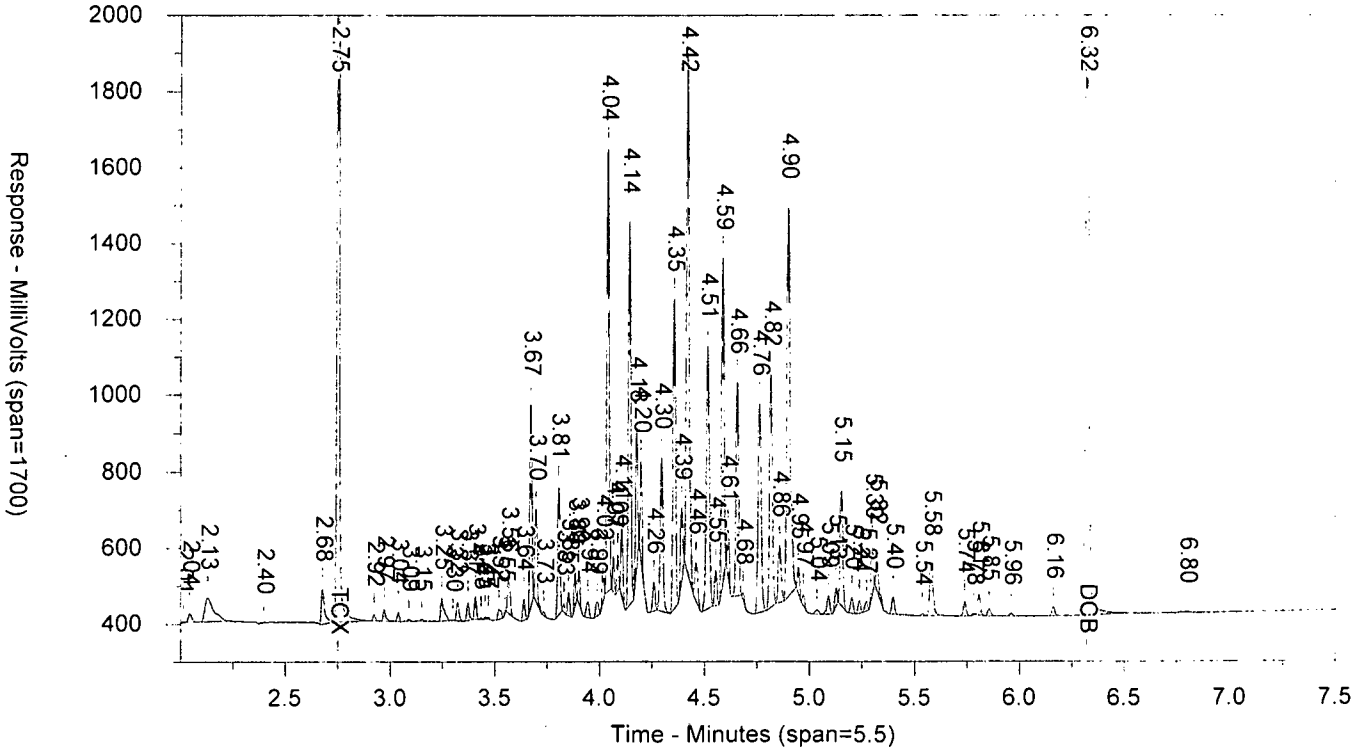


LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.675		15045	110820
1.808		2245	1209
2.123		47043	85918
2.185		164243	506114
2.316		64692	56224
2.41		29341	20138
2.426		23532	16680
2.47		3051	2335
2.589		13001	33073
2.665		7865	7183
2.875		60516	49309
2.962		22270	22564
3.029	TCX	13084660	8555541
3.18		48813	39068
3.23		152536	110210
3.285		85426	59579
3.362		35583	24717
3.381		18021	12149
3.503		178107	108912
3.52		53640	41450
3.556		4683	1923
3.573		90313	57345
3.618		163092	117285
3.674		22525	15421
3.694		152279	100809
3.73		25607	15648
3.746		9949	4661
3.791		63429	33564
3.805		42245	49642
3.843		434968	342826
3.902		180051	133541
3.93		756	338
3.945		28287	18342
3.973		2202871	1591739
4.001		610264	748180
4.051		38576	36981
4.101		1337999	986549
4.127		82441	48481
4.158		198073	140431
4.193		599086	676356
4.236		129593	101464
4.282		51909	52511
4.321		108814	76498
4.359		3340134	2317862
4.378		1115560	648767
4.404		917611	728792
4.472		852092	700817
4.516		4750632	4823511
4.552		1618642	1316947
4.593		56210	37588
4.617		271785	209863
4.66		1604720	1444308
4.712		3109275	2683717

RT A	Compound A	Height A	Area A
4.745		739819	486208
4.775		6085172	5303180
4.824		270189	190706
4.838		97790	48898
4.861		865186	656910
4.901		1815010	1810317
4.951		363511	313972
4.993		4040768	3677517
5.025		120995	85997
5.052		328007	262756
5.075		78305	48958
5.104		1257017	890687
5.121		836069	515824
5.155		50975	38659
5.194		3132650	2918059
5.24		327563	246505
5.265		354120	487824
5.31		3991745	3484523
5.333		269507	130433
5.351		182612	94816
5.375		110432	74799
5.417		148097	180973
5.473		3990	5402
5.493		6410	4539
5.518		1092123	877733
5.538		182288	109220
5.595		138237	120480
5.634		124385	110747
5.674		79379	72071
5.716		729433	633434
5.741		105849	72772
5.774		442293	380068
5.798		76084	52910
5.98		440280	398924
6.009		66231	65786
6.108		3101	3457
6.167		100981	101909
6.23		115895	105205
6.404		24008	26438
6.471		2972	2510
6.569		2391	1087
6.603		61365	64142
6.748	DCB	4816154	5150758
7.045		4671	9123
7.225		4274	5902
7.421		1051	681
7.436		1346	383
7.595		1301	1289
7.677		1098	955
7.804		1424	461
8.071		1552	577
8.143		1202	677
8.393		1085	274
8.464		1320	525

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

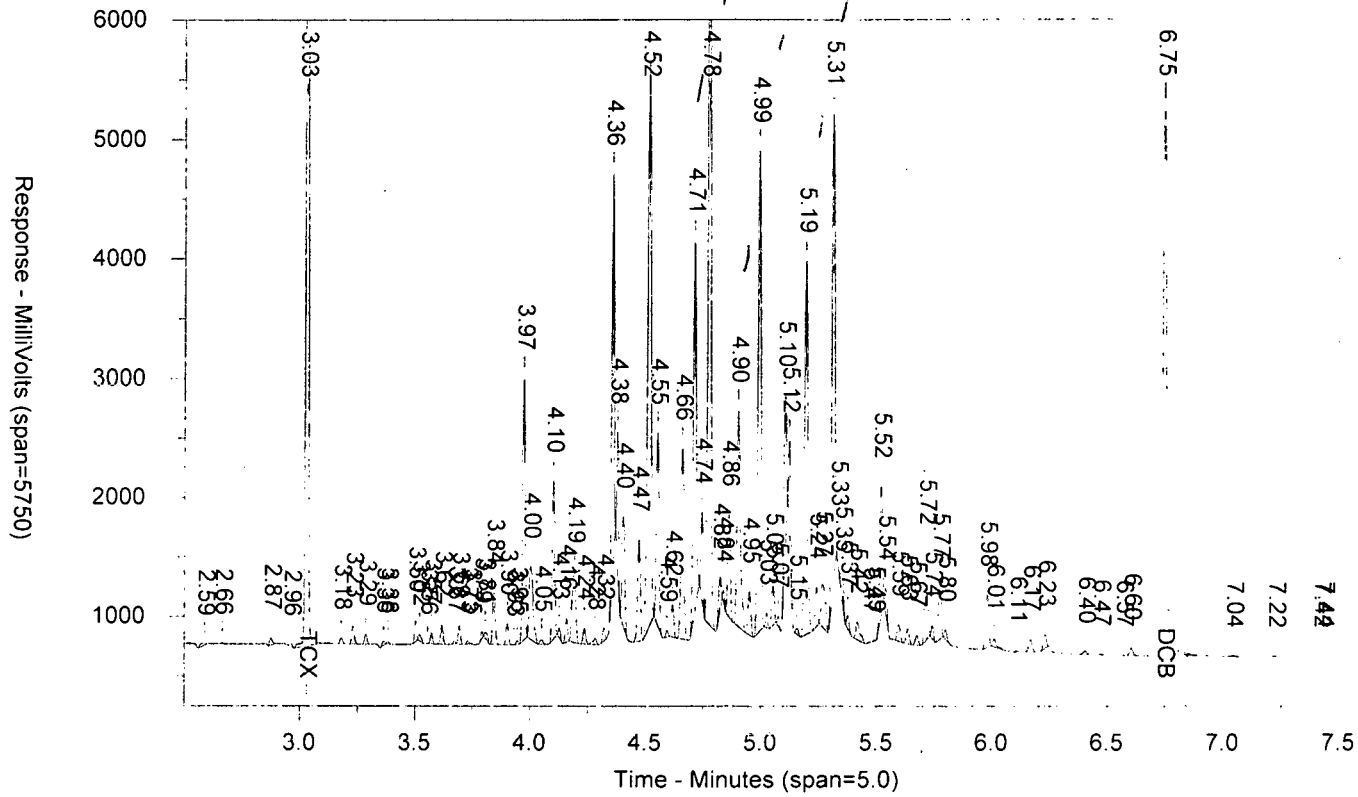
RT B	Compound B	Height B	Area A
1.624		2964	12190
1.894		3309	5759
2.01		6835	16241
2.049		36525	45833
2.131		65385	128269
2.178		10442	8534
2.397		4425	8696
2.432		3821	3966
2.656		3003	1507
2.677		96621	109579
2.749	TCX	6285073	4555215
2.922		32350	25742
2.97		78809	62368
3.037		51198	32852
3.064		1150	927
3.088		12502	8834
3.15		11962	9333
3.246		126396	140352
3.297		4701	2583
3.32		69184	52557
3.371		98952	78684
3.407		113683	78318
3.434		14964	7543
3.453		13156	6921
3.467		6783	3196
3.519		64502	70458
3.549		20647	10027
3.564		167081	155112
3.639		115734	86422
3.672		1273687	881342
3.696		527818	355203
3.734		17110	10927
3.806		799989	600218
3.83		56134	29729
3.852		129197	94868
3.884		166894	96912
3.901		228862	145297
3.944		95603	88345
3.986		81011	83628
4.017		214120	132638
4.04		2991758	2237516
4.066		235349	135771
4.087		241764	137494
4.106		436716	296147
4.143		2625199	2049507
4.177		851899	583439
4.197		592853	368305
4.26		189353	149408
4.296		1004715	894489
4.356		2098507	1742139
4.39		497852	384318
4.419		3742233	3124704
4.459		258560	239532
4.516		1721657	1669009

4.553		229029	188010
4.587		2318512	1843518
4.612		295644	190517
4.656		1417264	1218084
4.683		44913	28160
4.762		1340286	1409002
4.817	(3)	1623458	1490947
4.857		376680	362982
4.898		2739744	2887284
4.947		180488	125524
4.971		70365	50174
5.035		29960	33911
5.091		123522	117944
5.127		117043	83464
5.152		778725	687462
5.202		105760	94993
5.238		82762	68745
5.271		52019	49269
5.299		338587	247441
5.32		236023	195441
5.397		89153	83079
5.535		13986	11912
5.579		338559	385203
5.738		80331	78586
5.78		11802	8198
5.806		110938	99054
5.855		39459	37309
5.96		18632	17553
6.16		54824	51463
6.32	DCB	4386308	4448747
6.766		3042	2470

(3) 472855 22OCT17

AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292001.0022.RAW



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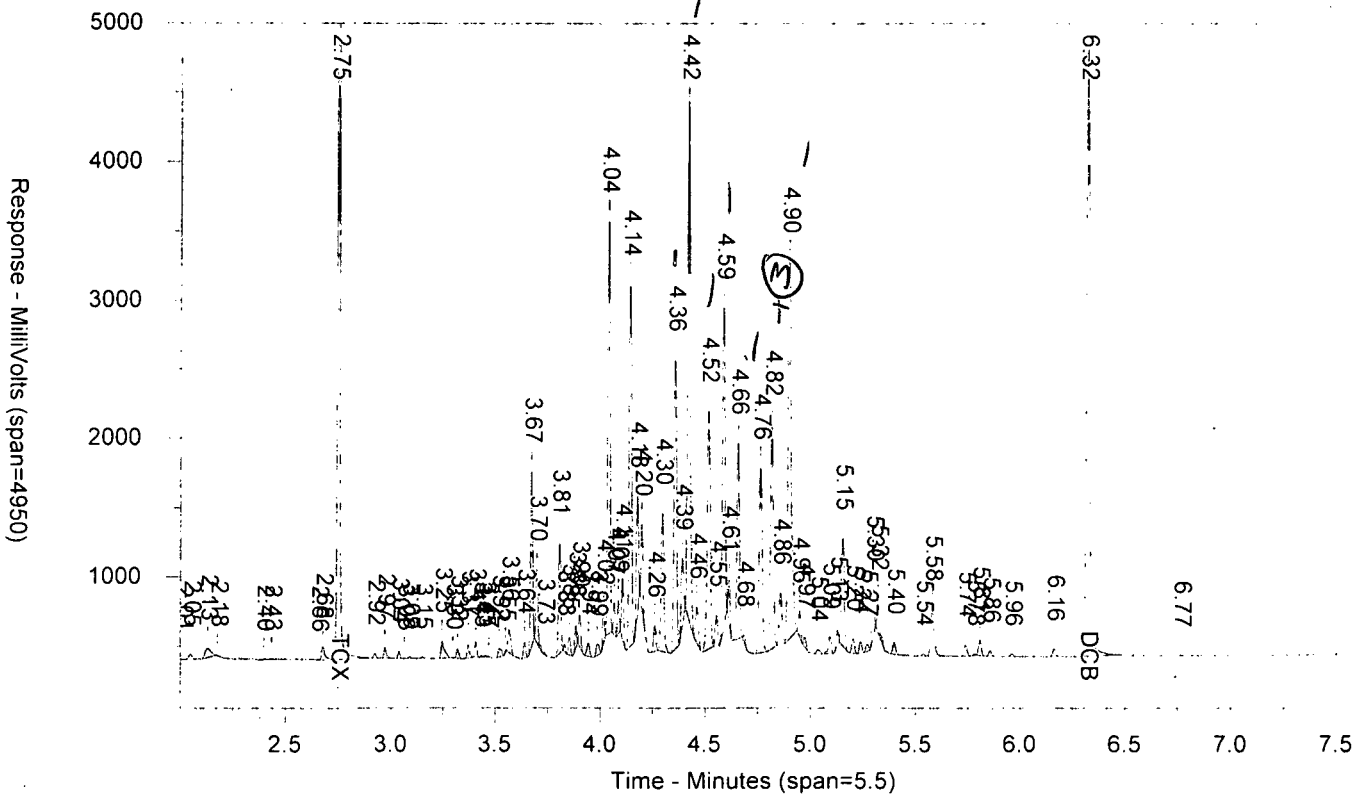

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:33:08 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	13084660	20.607	TCX	2.749	6285073	20.705	TCX
6.748	4816154	18.87	DCB	6.32	4386308	19.01	DCB

Files:
Area File: 07PCBS17292001.0022.RAW
Area File: 07PCBS17292001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:41:49 PM
File Reported On: 10/22/2017 at 1:36:11 PM

AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

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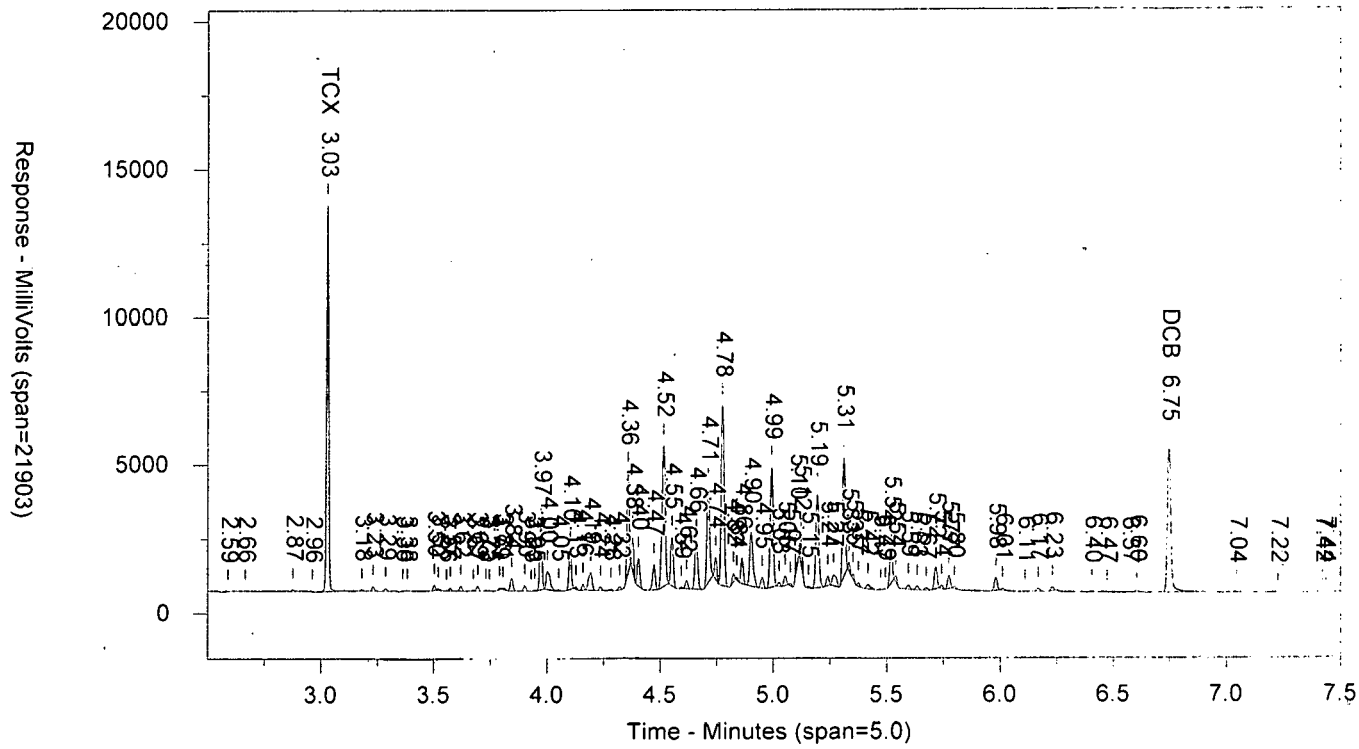

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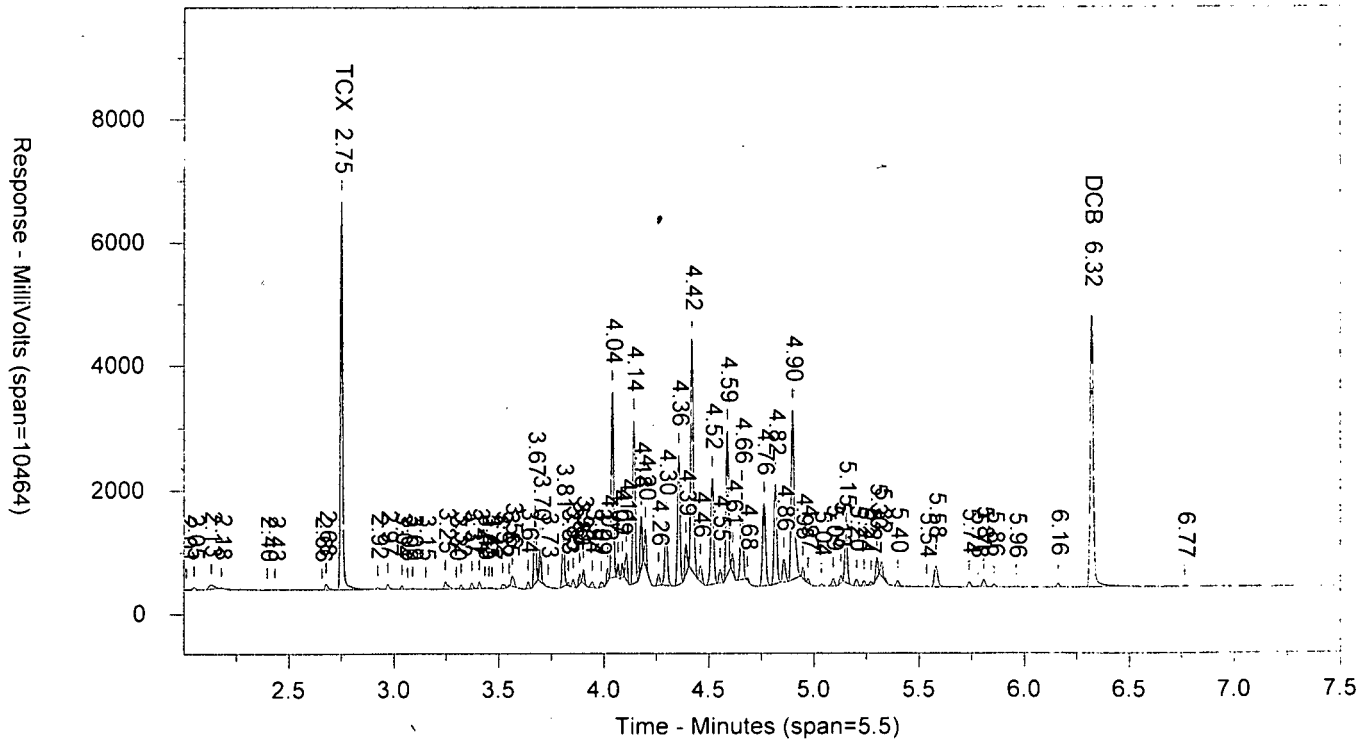

AR5441724C AAAR544AA ICAL 1729199999 10225 SW-846 8082

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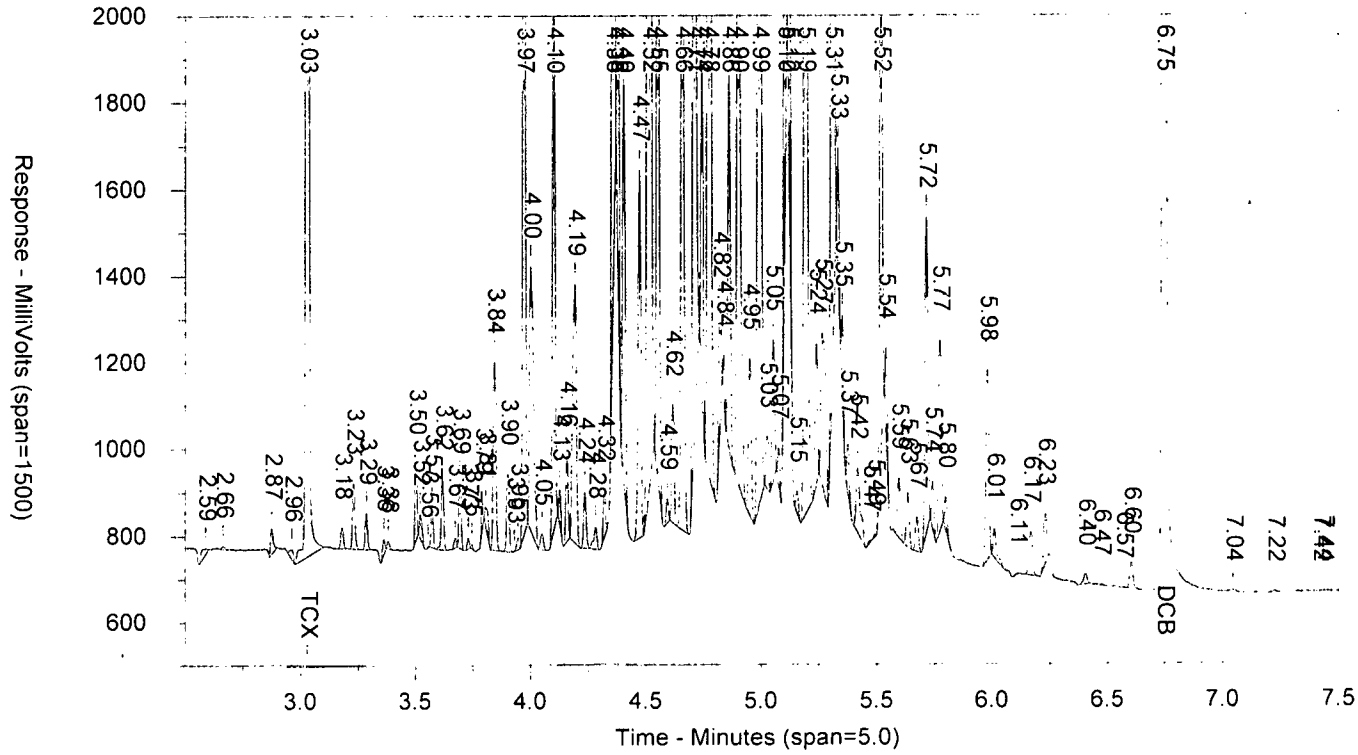

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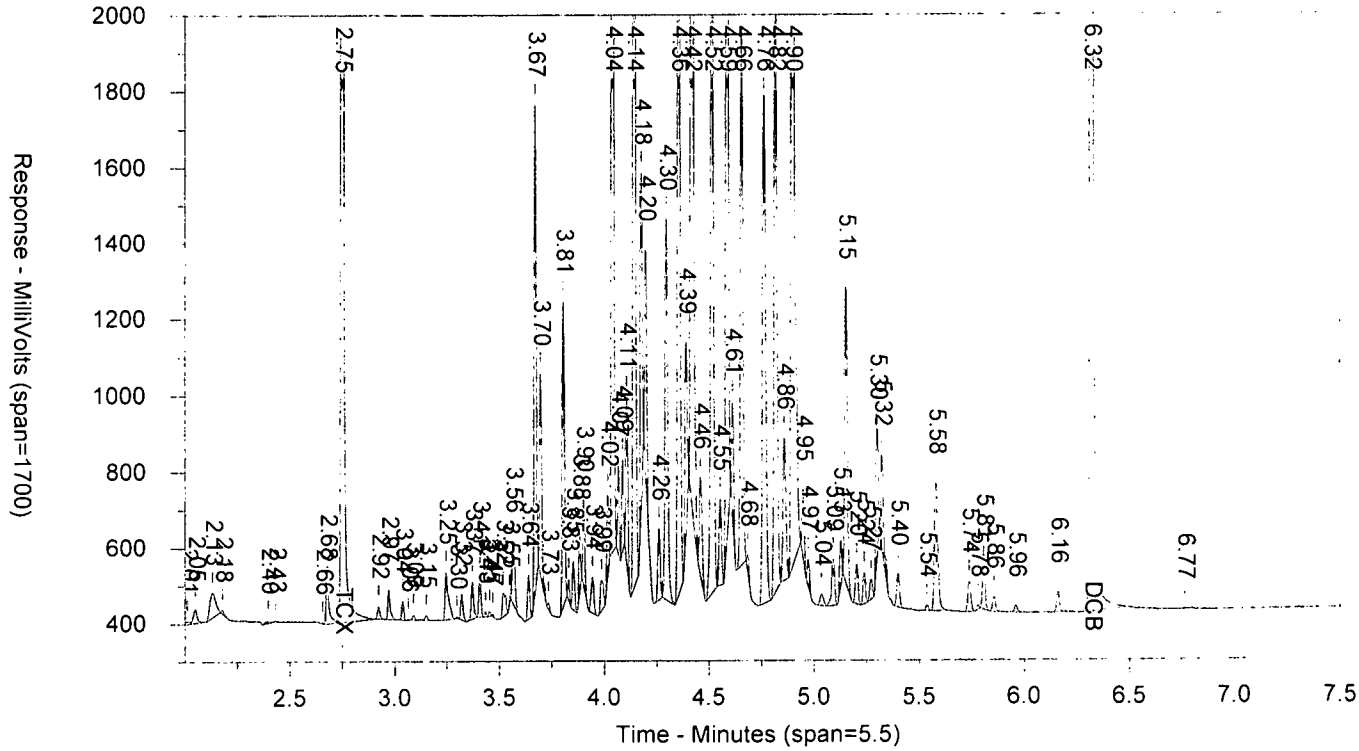

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.671		11686	74343
2.125		35941	89420
2.187		109268	283816
2.242		38547	68513
2.316		105542	81745
2.41		32772	22337
2.427		42098	29926
2.525		4486	3134
2.585		3542	11900
2.636		2260	1304
2.665		14311	10999
2.875		39917	37577
2.962		14554	14989
3.029	TCX	26248780	16905410
3.18		97881	82132
3.23		297410	215400
3.285		171032	117329
3.362		52785	33095
3.381		33688	21505
3.502		341364	207396
3.519		106692	83524
3.557		8024	3727
3.572		192940	119901
3.617		324049	227934
3.673		36988	25408
3.693		381591	254992
3.73		53013	31457
3.746		18722	9681
3.792		121457	65194
3.806		90783	96041
3.843		920314	728115
3.901		350750	266135
3.945		54618	36131
3.972		4258252	3056405
4.001		1182216	1465170
4.05		59606	50174
4.101		2577110	1896724
4.126		153487	94747
4.158		396029	283168
4.192		1164615	1381950
4.235		246608	198383
4.282		117622	109735
4.32		210503	149056
4.358		6226821	4412180
4.377		2406533	1410833
4.404		1823247	1433108
4.472		1595764	1351393
4.516		9054715	9351538
4.552		3302151	2568628
4.593		114073	74918
4.617		519292	400612
4.66		3308009	2866287
4.713		6012512	5206833

RT A	Compound A	Height A	Area A
4.745		1351184	918032
4.776		12103180	10455650
4.823		523526	363598
4.839		215833	99488
4.862		1673074	1290531
4.902		3667584	3538836
4.951		675188	603949
4.993		7848717	7140596
5.025		247495	174650
5.051		659823	502647
5.074		141117	87482
5.105		2382036	1825932
5.121		1294508	819030
5.155		102281	76634
5.195		6363399	5742700
5.239		636013	481869
5.266		706716	962603
5.311		7798776	6808631
5.333		480345	255234
5.35		293589	168014
5.374		183862	134003
5.418		278536	317226
5.465		2535	999
5.491		14259	7811
5.518		2133327	1681172
5.538		350365	230679
5.569		13933	7097
5.595		261028	230227
5.634		226927	216961
5.675		163555	148552
5.716		1451854	1226329
5.742		200259	139889
5.774		920818	759442
5.797		142344	97270
5.98		830441	759865
6.01		121120	120755
6.07		4810	3595
6.167		193883	199106
6.23		223508	206519
6.249		26527	14501
6.404		43910	42353
6.473		6477	5463
6.53		1938	1461
6.571		2612	1498
6.603		114153	117318
6.749	DCB	9722009	9976043
7.223		7696	9671
7.297		2143	354
7.42		1018	338
7.522		1476	1097
7.667		1724	588
7.792		846	198
7.913		1203	1107
8.173		1707	1146
8.344		1508	450
8.445		1401	564
8.62		928	530

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.635		2293	11308
1.917		19193	57330
2.049		61181	100160
2.13		40731	77819
2.178		19207	16278
2.276		2772	2743
2.397		2697	4463
2.429		7719	7310
2.66		2472	1214
2.677		59561	65666
2.749	TCX	12301090	8994423
2.922		64836	51023
2.97		144597	118413
3.037		97961	70427
3.088		24438	17274
3.149		24875	20573
3.246		237245	269082
3.298		8698	5413
3.32		125886	88971
3.371		184500	142998
3.406		233074	162902
3.434		26114	13899
3.452		26385	14334
3.467		12581	5872
3.518		119248	131897
3.549		38042	17423
3.564		354276	334774
3.639		223140	161001
3.671		2394467	1652846
3.696		1020404	697311
3.734		40166	25914
3.805		1505023	1124967
3.83		102055	54562
3.852		257357	183326
3.884		345914	206620
3.901		409105	255483
3.943		181923	174075
3.988		159778	167613
4.016		410735	254446
4.039		5871819	4302529
4.065		446707	257439
4.087		432565	246169
4.105		809188	539873
4.142		4967601	3900007
4.176		1741550	1202076
4.196		1146146	697716
4.259		333900	268324
4.295		1961531	1691579
4.355		4175533	3371387
4.39		991377	747159
4.419		7290839	6092881
4.459		459370	456561
4.515		3335448	3173013
4.553		432428	352803

4.587		4502671	3608955
4.612		559272	368181
4.656		2658337	2295309
4.684		96327	56926
4.763		2690902	2721054
4.816		3263937	2928106
4.858		707471	686976
4.898		5455214	5562154
4.947		338423	232057
4.971		126831	88772
5.036		55405	62299
5.091		226202	228288
5.128		227822	159797
5.152		1512053	1314184
5.203		197515	174639
5.238		146465	123808
5.272		96771	87952
5.299		648476	479538
5.32		464700	390949
5.397		182993	174758
5.513		1424	907
5.538		26511	23154
5.58		657647	727106
5.739		155796	149572
5.78		21682	15239
5.806		214300	196819
5.855		76926	73000
5.96		35104	35697
6.11		2278	2299
6.16		103764	101755
6.32	DCB	8456433	8596621
6.767		6157	5659
6.797		2957	3243
8.412		1773	1975
8.632		1770	1503

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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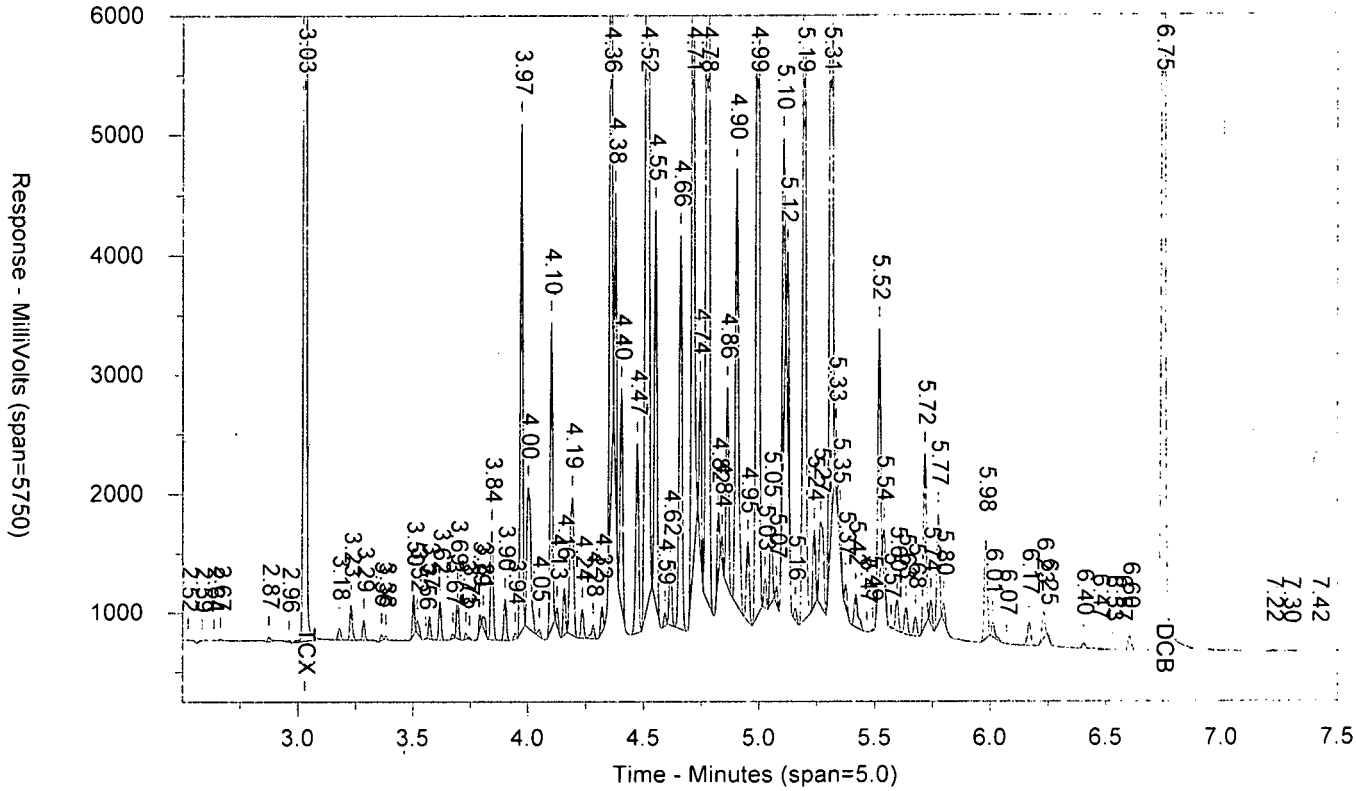

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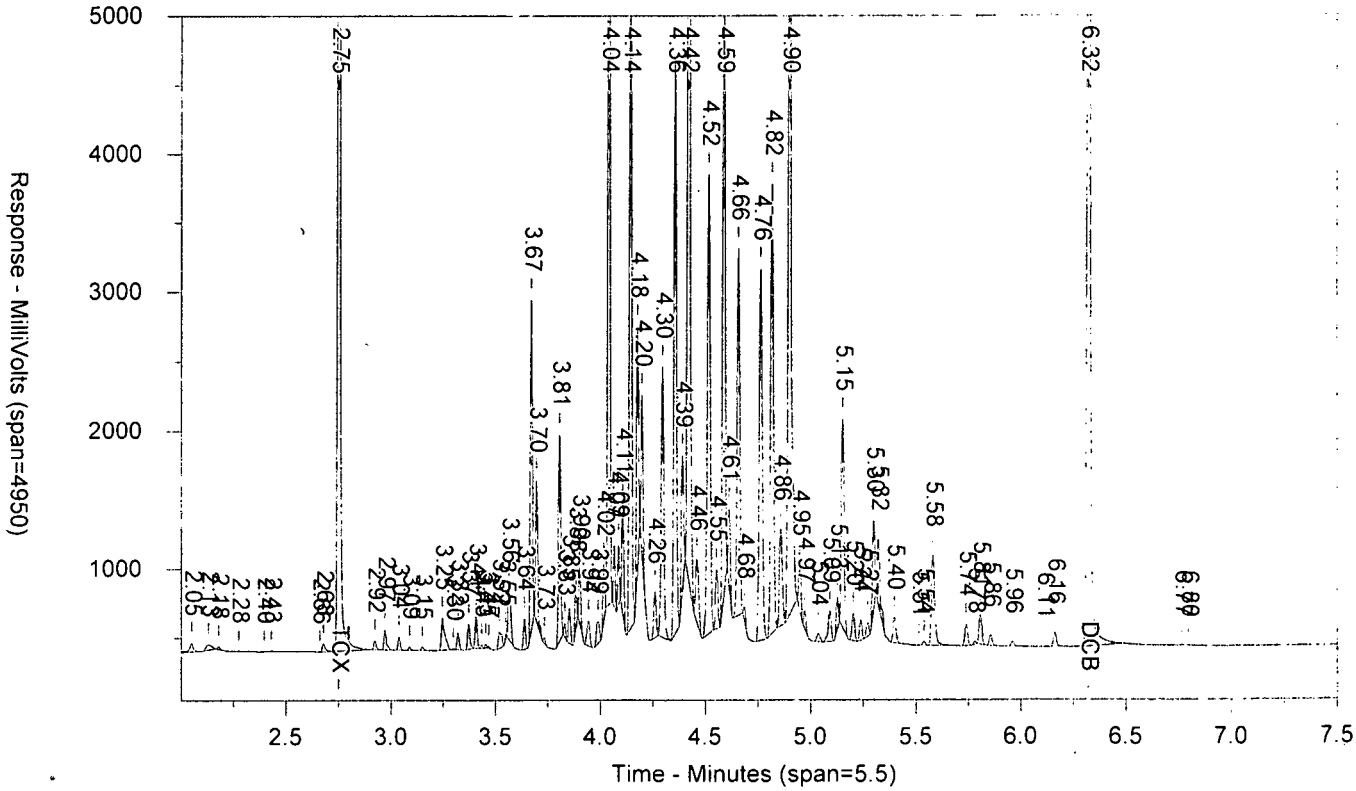

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:44:32 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	26248780	41.34	TCX	2.749	12301090	40.524	TCX
6.749	9722009	38.092	DCB	6.32	8456433	36.65	DCB

Files:
Area File: 07PCBS17292001.0023.RAW
Area File: 07PCBS17292001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/19/2017 11:53:18 PM
File Reported On: 10/22/2017 at 1:36:21 PM

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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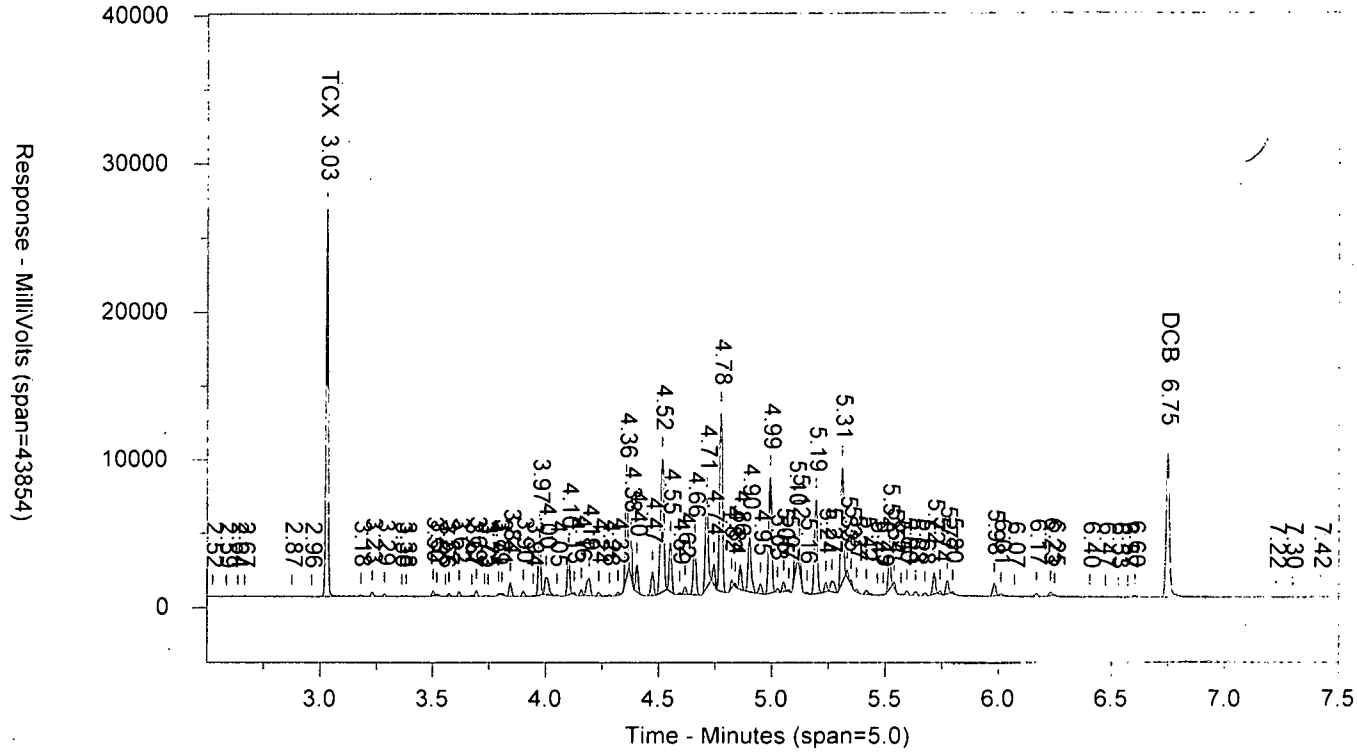

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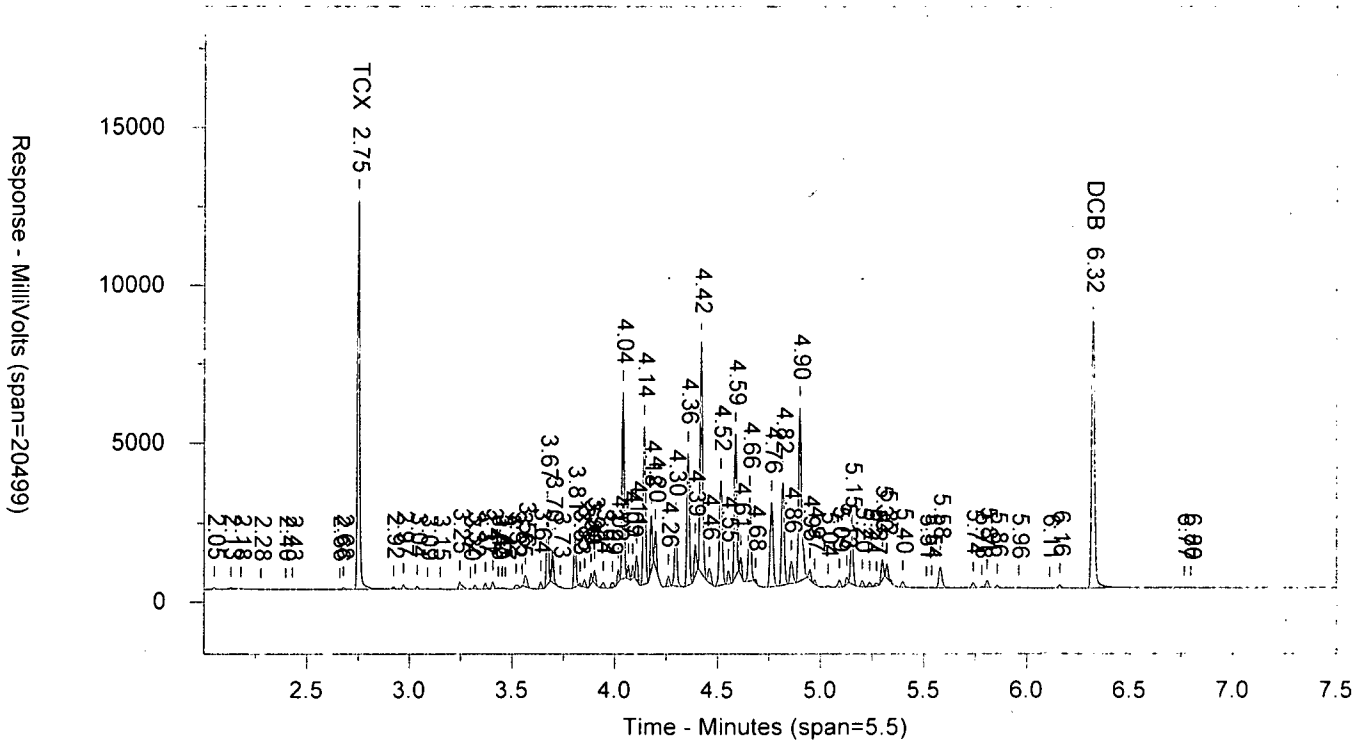

AR5451724C AAAR545AA ICAL 1729199999 10225 SW-846 8082

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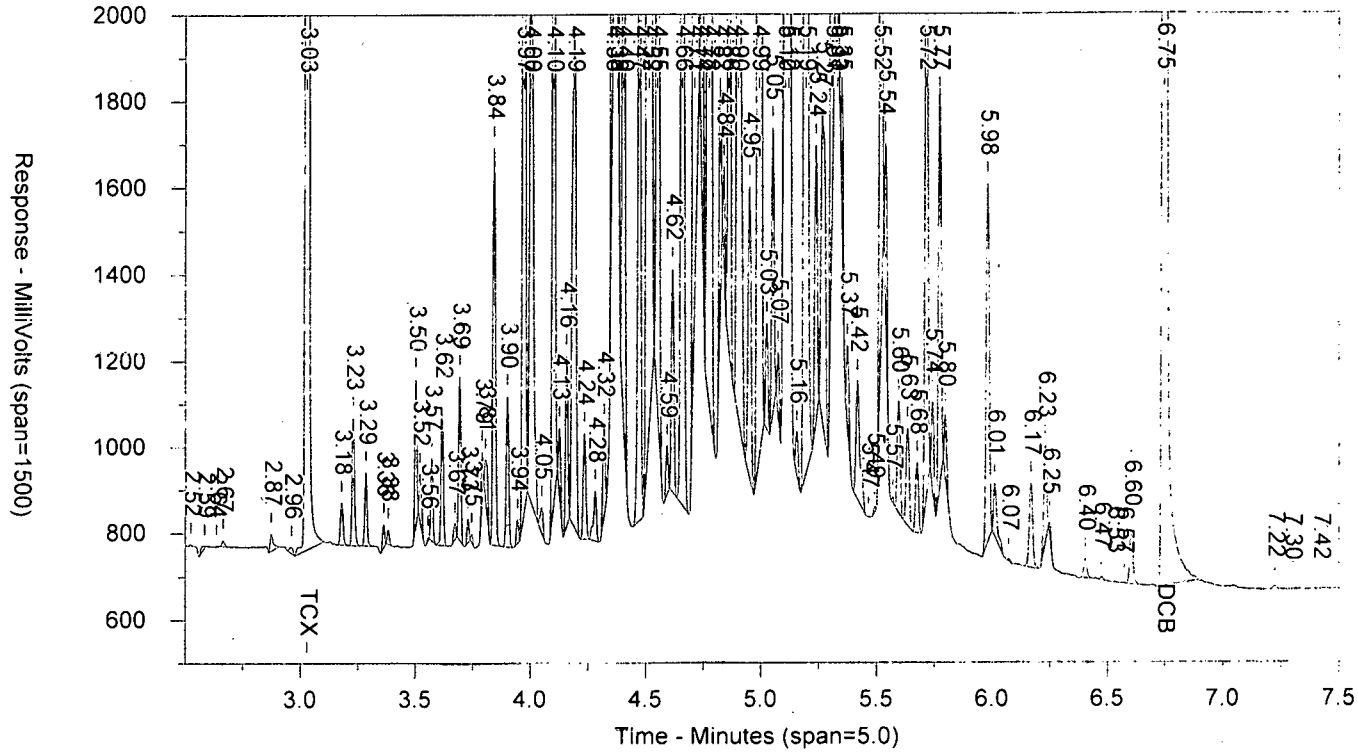

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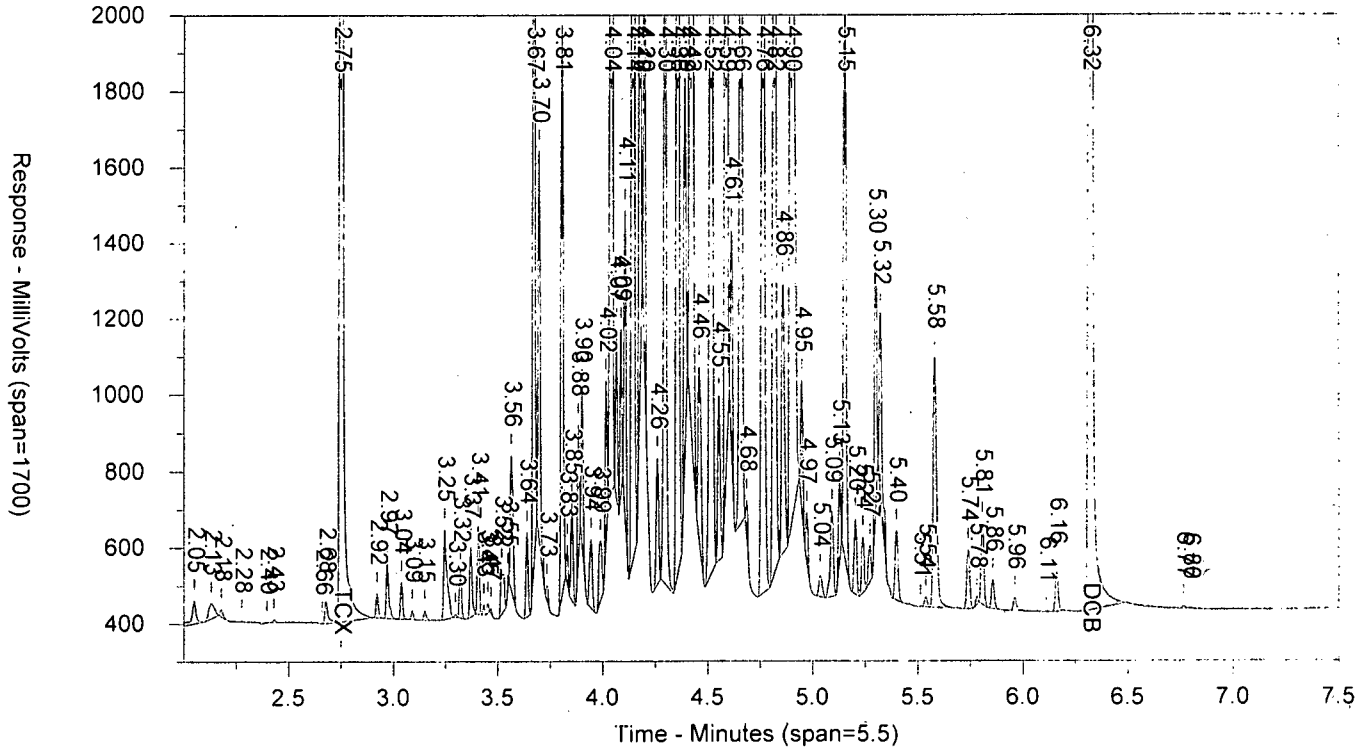

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.673		16567	81665
1.936		2429	2426
1.957		2404	1463
2.056		1797	1937
2.13		31525	71733
2.188		177071	425651
2.24		48757	115279
2.316		211827	210509
2.41		37698	31039
2.427		87333	75378
2.467		10337	13469
2.522		10603	9547
2.574		9985	9168
2.665		25303	19596
2.875		68537	79028
3.029	TCX	51379330	33238170
3.129		8471	5107
3.18		186445	155056
3.23		554239	401568
3.285		317825	216651
3.362		89277	54247
3.381		63120	39772
3.421		5159	2789
3.503		624829	383257
3.52		203672	158187
3.557		15095	6999
3.573		354416	225705
3.618		596376	421367
3.673		69718	47364
3.694		766805	502331
3.73		95620	57998
3.746		36326	18053
3.791		213257	120382
3.806		173586	185971
3.843		1772452	1408597
3.902		674115	502750
3.945		102953	67847
3.972		7971030	5778986
4.001		2293928	2807061
4.049		109060	89158
4.101		4999154	3643882
4.126		313725	187480
4.158		754725	539598
4.192		2263418	2694626
4.235		466059	378360
4.267		13021	8637
4.282		196842	133021
4.32		395126	277431
4.358		12265730	8554929
4.377		4518714	2682133
4.404		3562868	2835634
4.472		3164486	2627195
4.515		18316210	18314410

RT A	Compound A	Height A	Area A
4.552		6267876	4982776
4.593		210307	137731
4.616		989882	775090
4.659		6083476	5593909
4.713		12060680	10298750
4.745		2798142	1832049
4.775		24374700	20973950
4.823		1066124	731951
4.838		386360	188350
4.861		3421835	2626550
4.902		7097294	6944951
4.95		1328617	1191659
4.992		15853230	14197830
5.025		503094	355236
5.051		1255627	972745
5.075		323754	196995
5.105		4943602	3628577
5.121		2961545	1722957
5.155		203449	149334
5.194		12618380	11468910
5.238		1308037	965769
5.265		1426943	1936883
5.311		16119680	13609980
5.332		1064550	556070
5.35		585264	352934
5.374		380567	271778
5.418		529725	602724
5.49		26017	14264
5.517		4063306	3341852
5.538		754281	491390
5.568		29344	16781
5.594		500809	426070
5.634		452527	415976
5.674		356944	317030
5.716		2997229	2438272
5.741		405944	273697
5.773		1786330	1484255
5.797		318266	215514
5.979		1671097	1456767
6.01		247541	237730
6.166		391847	395159
6.23		462627	414357
6.248		51468	28264
6.403		83666	77498
6.447		5370	3968
6.474		3618	2305
6.531		4685	3794
6.57		3744	2817
6.602		213506	221601
6.747	DCB	18081300	18916210
7.221		14600	17739
7.366		2027	439
7.424		1672	517
7.718		1142	484
7.79		1340	537
8.035		1209	1638
8.19		1653	617
8.293		1508	513
8.573		1370	617

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.656		823	11166
1.919		3358	18553
2.017		1132	4817
2.05		95406	94975
2.131		72203	142384
2.179		36425	29769
2.27		3372	3615
2.313		2085	1179
2.4		2678	4575
2.431		13963	13677
2.657		3785	1904
2.676		104471	118914
2.749	TCX	23677540	17447270
2.922		116985	93956
2.97		271332	219181
3.037		172579	131031
3.088		46200	31329
3.15		46637	40418
3.246		419079	487850
3.298		19572	10430
3.32		209580	151939
3.37		333172	261707
3.406		436375	303061
3.433		44020	23107
3.452		51126	27856
3.467		20950	10062
3.518		220794	242177
3.549		63179	29558
3.564		672398	636613
3.639		402965	293757
3.671		4588303	3113585
3.696		1950950	1318472
3.733		76410	48156
3.805		2955175	2115220
3.83		194654	104823
3.852		468262	339550
3.884		674613	388902
3.9		737426	456857
3.943		341187	323018
3.99		284887	308165
4.016		781494	484334
4.039		11250710	8255134
4.066		895756	509464
4.086		839969	471613
4.105		1570235	1033462
4.142		9629699	7454373
4.176		3358127	2319855
4.196		2081545	1264737
4.259		634403	496791
4.296		3641559	3211756
4.355		7880221	6543229
4.39		1892687	1416605
4.418		14258390	11782640
4.459		892800	869121

4.515		6386979	6091532
4.552		838046	667059
4.586		8860119	7035153
4.611		1074669	688097
4.656		5272782	4371212
4.683		174776	104540
4.762		5245022	5240569
4.816		6473688	5811105
4.857		1377640	1296341
4.897		10358360	10788660
4.947		649154	449912
4.97		233906	161088
5.035		100005	112666
5.091		430651	427267
5.128		411304	287437
5.152		3014758	2525797
5.202		354735	321800
5.237		269381	231526
5.271		191738	172906
5.299		1283750	953845
5.32		894367	734136
5.396		378381	354213
5.512		3645	1927
5.537		49204	42134
5.579		1227154	1363404
5.679		4666	4533
5.738		312521	292214
5.78		39805	28141
5.805		439900	395591
5.855		154519	146883
5.958		64941	59602
5.992		3499	3444
6.113		3197	2990
6.159		199292	180595
6.319	DCB	16678760	16576090
6.765		10985	10417

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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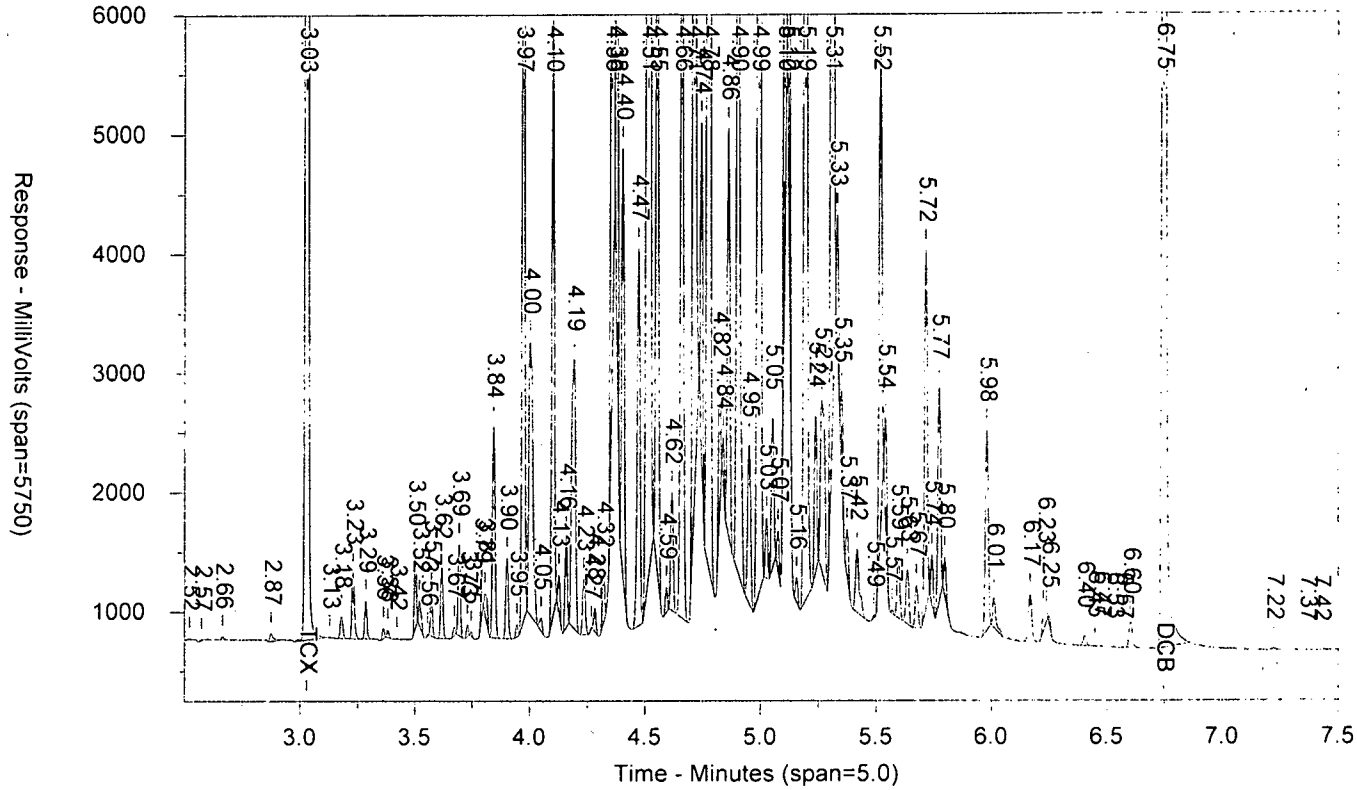

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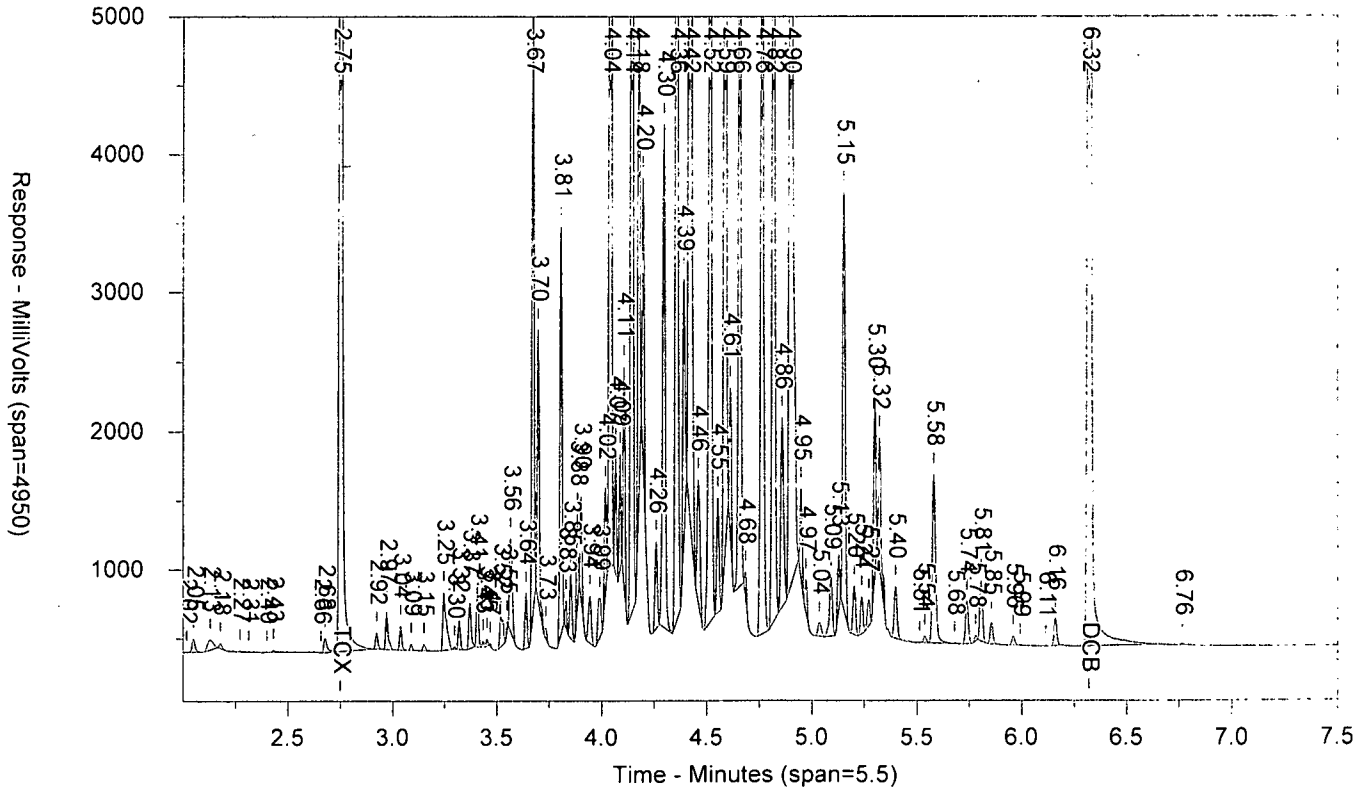

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/19/2017 11:55:57 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	51379330	80.918	TCX	2.749	23677540	78.003	TCX
6.747	18081300	70.844	DCB	6.319	16678760	72.284	DCB

Files:
Area File: 07PCBS17292001.0024.RAW
Area File: 07PCBS17292001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:04:40 AM
File Reported On: 10/22/2017 at 1:36:31 PM

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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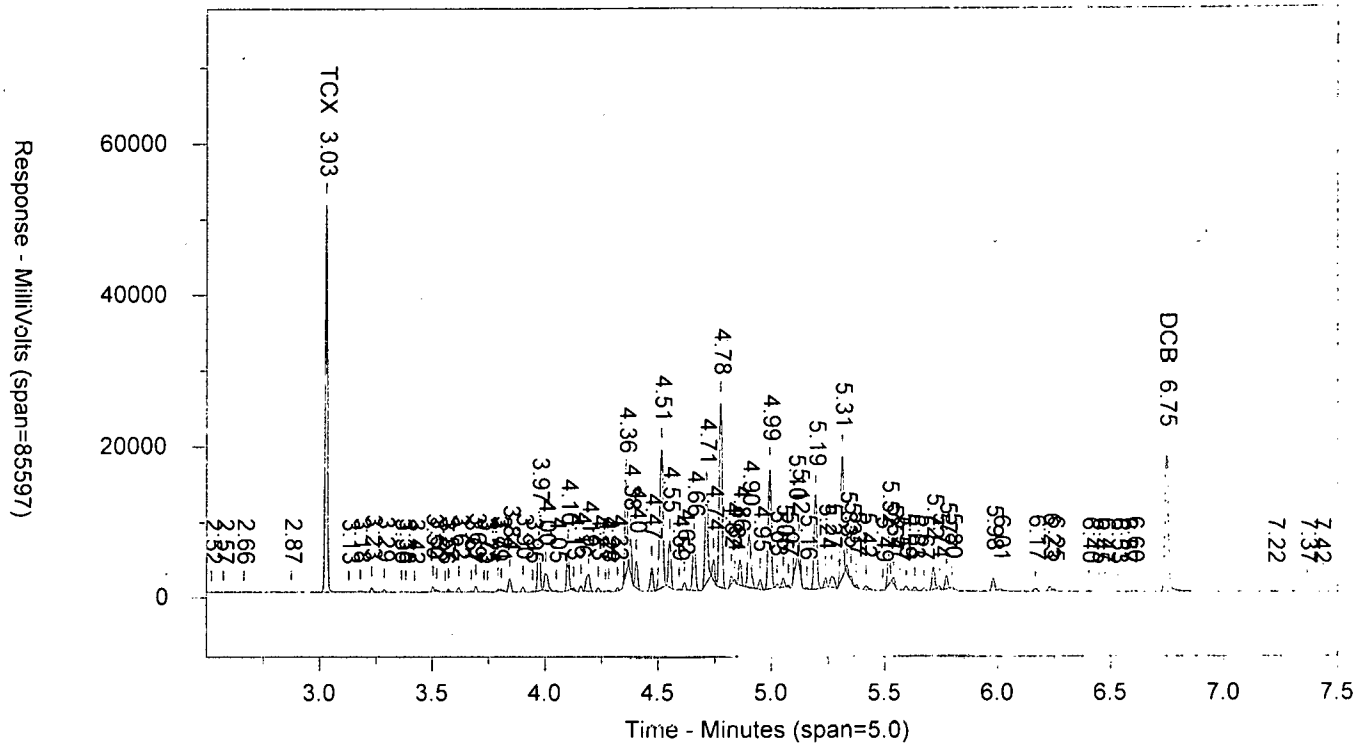

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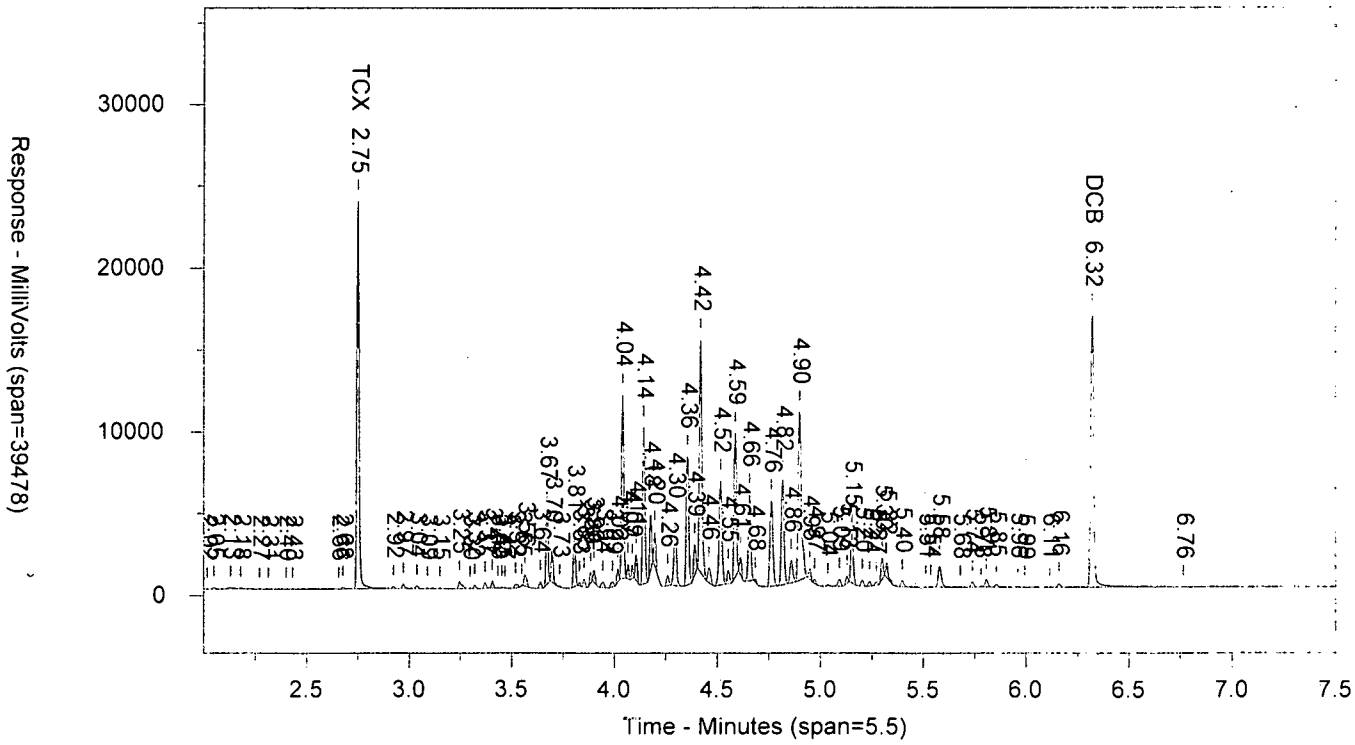

AR5461724B AAAR546AA ICAL 1729199999 10225 SW-846 8082

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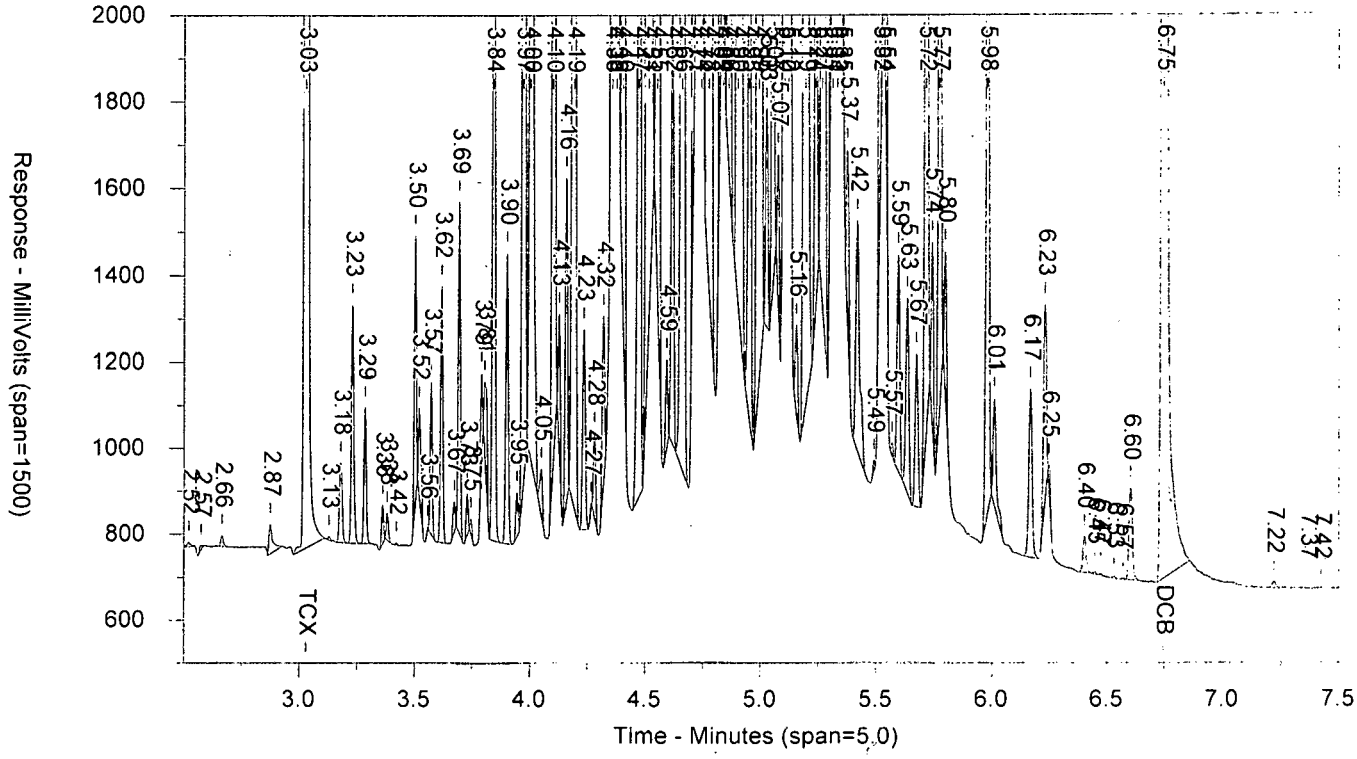

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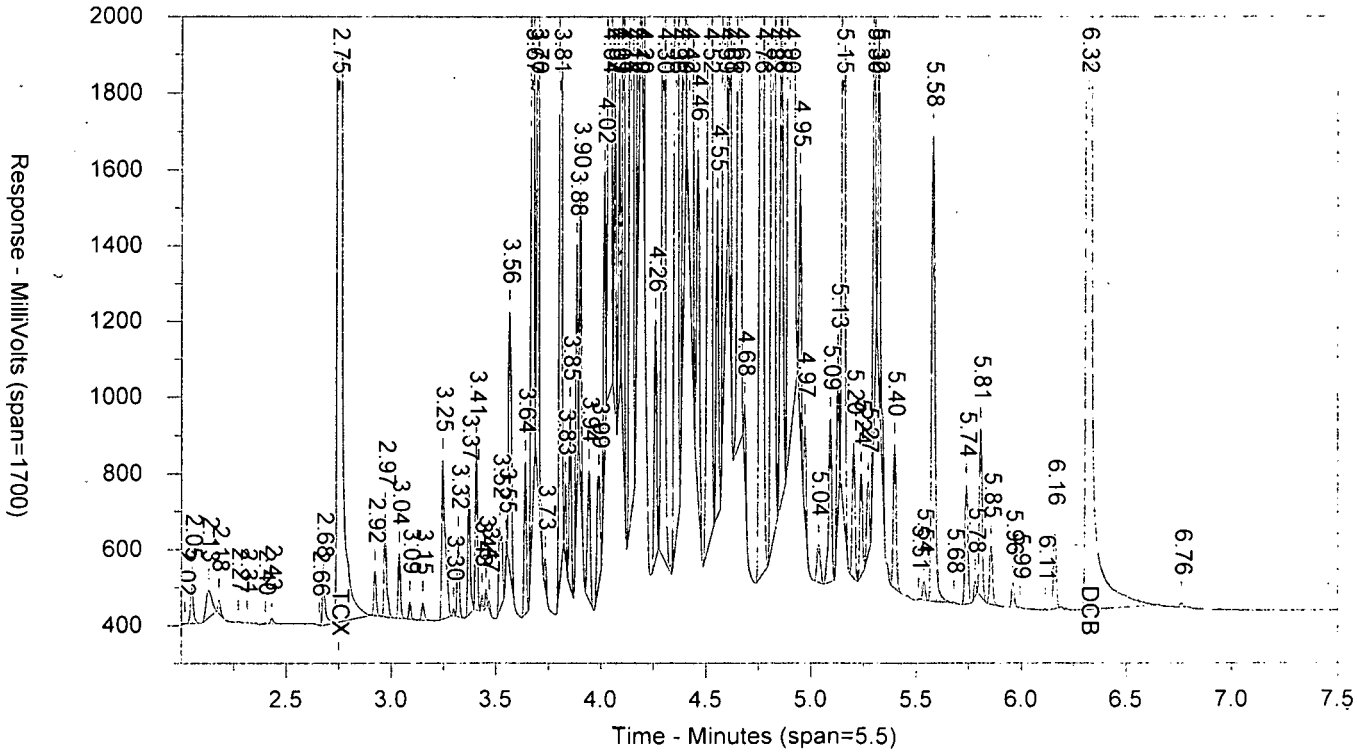

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.677		12232	99721
2.048		1781	649
2.136		46197	150450
2.187		385689	1128208
2.301		39004	82983
2.373		21778	31594
2.411		50531	36992
2.594		8619	31334
2.646		5332	4486
2.682		23035	13879
2.784		2796	2315
2.875		113458	123968
2.961		33706	42009
3.004		14753	28985
3.029	TCX	14575	11207
3.182		16892	15504
3.239		13423	7978
3.263		4486	2113
3.286		75609	50739
3.381		31100	49012
3.502		78270	47108
3.52		36085	23661
3.557		6046	2959
3.572		19683	11222
3.601		6849	3222
3.618		112404	73709
3.67		7399	4446
3.694		43254	27731
3.73		15931	9290
3.746		8404	4573
3.792		35159	19472
3.804		58885	31048
3.844		149247	113806
3.863		3483	1676
3.902		127790	100786
3.932		3495	2336
3.945		9972	5490
3.972		90998	67588
4.01		262952	238586
4.042		11490	7523
4.101		90915	66971
4.126		18429	10527
4.158		26750	18104
4.184		148381	161501
4.234		33399	26798
4.267		5680	2996
4.281		8699	5149
4.32		75717	49589
4.357		499339	492114
4.378		57474	30923
4.402		61147	49758
4.471		35515	25540
4.494		40109	25102

RT A	Compound A	Height A	Area A
4.516		553994	475588
4.551		67481	50597
4.592		3130	1845
4.616		53134	55249
4.655		665434	616612
4.713		35457	27264
4.729		311540	223894
4.775		265013	222286
4.823		1592570	1598180
4.861		305915	220885
4.901		2731599	2432344
4.945		181785	160730
4.99		198832	198914
5.026		123002	92644
5.051		265198	223490
5.104		2624610	2974216
5.155		1385093	1245671
5.196		1068489	844418
5.212		88809	50984
5.242		97089	75703
5.275		140317	117446
5.309		2454515	2287197
5.333		42978	16272
5.351		94925	52179
5.374		3835671	3453363
5.417		1710889	1574731
5.466		7711	7290
5.511		624976	492434
5.538		3299823	3295526
5.594		1338582	1135834
5.619		53798	31021
5.634		334905	248853
5.676		153457	147448
5.718		521235	487692
5.773		6882491	6080726
5.797		147320	78768
5.978		4465690	4263269
6.034		2107157	3171835
6.167		193274	173337
6.249		959307	1115998
6.403		2296311	2242188
6.448		104838	89857
6.602		846947	826630
6.747	DCB	18700	17210
6.815		3324	3636
6.903		1620	552
6.941		1654	1386
7.303		1120	376
7.312		1911	542
7.591		1213	557
7.897		1398	995
7.968		1170	504
8.087		946	382
8.276		1654	409
8.374		1288	528
8.469		1399	515
8.59		1405	673

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.627		3396	14351
1.895		1960	2392
2.005		4548	8819
2.042		27616	26750
2.133		198298	641705
2.398		3163	6217
2.431		1887	1559
2.472		12527	12157
2.659		4849	3297
2.677		173434	205425
2.74	TCX	3582	5062
2.794		6766	7815
2.921		11101	9453
2.984		6912	5666
3.037		44532	29290
3.061		3856	5555
3.12		2874	2228
3.15		13053	11311
3.246		57583	69823
3.298		4536	2391
3.321		35354	29489
3.371		69844	57109
3.406		37198	25153
3.452		9246	4984
3.467		6551	3832
3.519		12016	7898
3.528		33666	15992
3.548		4581	1616
3.564		55761	65455
3.638		88573	67940
3.671		54373	35051
3.697		170842	117909
3.732		27140	22048
3.758		4740	2741
3.805		58151	41647
3.829		17775	10646
3.851		16804	11210
3.883		85040	54165
3.901		14384	13811
3.943		28108	25152
3.991		97138	106158
4.024		19930	11963
4.039		325830	232167
4.065		20497	11524
4.087		12908	6880
4.105		28076	18611
4.142		367764	298210
4.178		40806	28650
4.197		56145	63046
4.246		20081	12526
4.265		5876	2697
4.285		358141	356207
4.331		22542	14438
4.355		82206	64770

4.401		224193	162522
4.432		1013308	788823
4.46		247169	256221
4.514		1802993	1614239
4.556		123776	100366
4.585		56694	39601
4.611		237088	179191
4.631		24247	10479
4.655		1922947	1674422
4.765		1937837	1866266
4.82		340653	321951
4.861		540505	488911
4.896		1187916	1060153
4.93		2540197	2208363
4.97		1121299	961731
5.074		518337	495113
5.127		2666503	2587872
5.201		1032093	1106644
5.237		310898	241219
5.264		269018	237836
5.32		4975869	4860503
5.361		55657	39388
5.396		325326	304521
5.513		63995	39967
5.536		1911755	1762158
5.583		3450604	3823936
5.738		159130	142853
5.779		20677	15165
5.805		98876	86880
5.854		745176	735909
5.959		1898205	1703126
5.99		64824	47155
6.159		720778	743758
6.319	DCB	19342	17764
6.493		2833	2705
6.796		3487	4570
7.061		1113	411
8.641		2404	4122

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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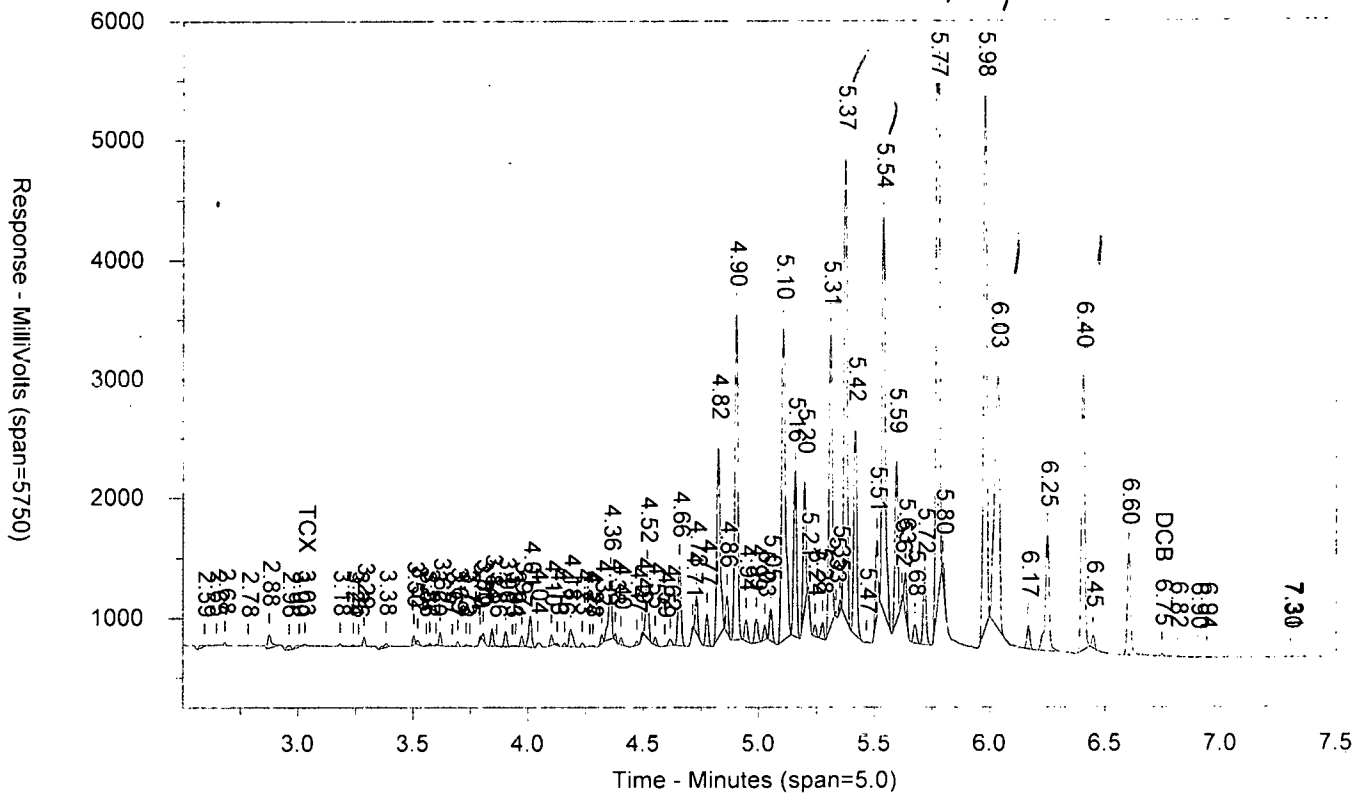

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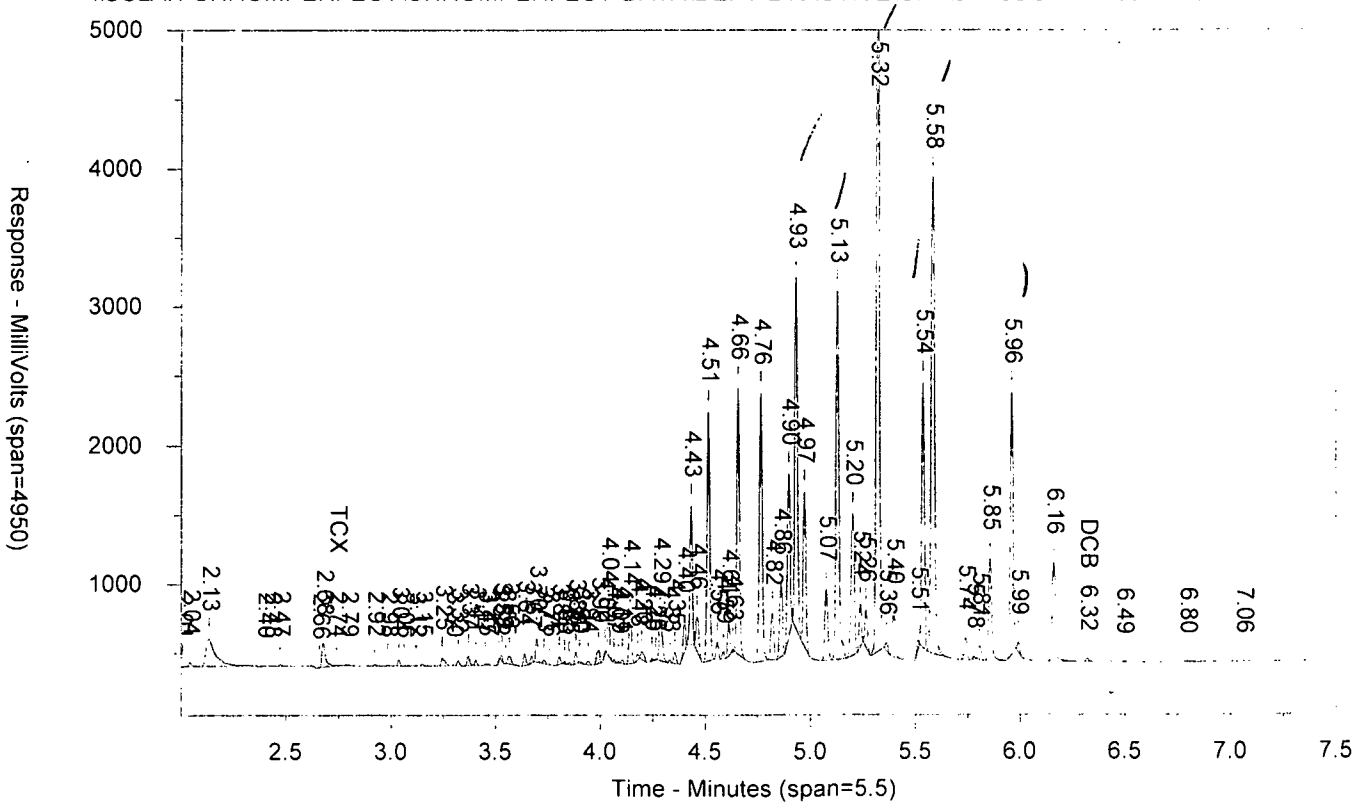

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:07:29 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	14575	.023	TCX	2.74	3582	.012	TCX
6.747	18700	.073	DCB	6.319	19342	.084	DCB

Files:
Area File: 07PCBS17292001.0025.RAW
Area File: 07PCBS17292001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:16:12 AM
File Reported On: 10/22/2017 at 1:36:41 PM

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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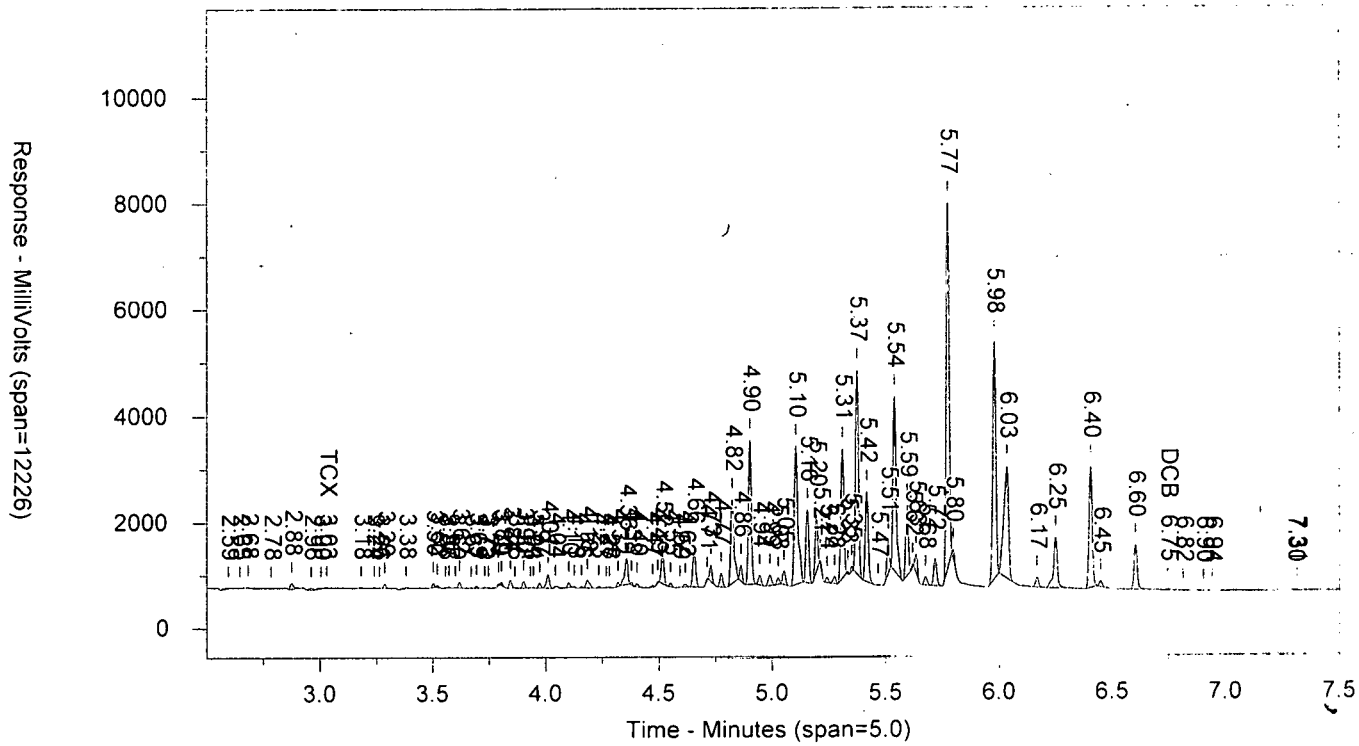

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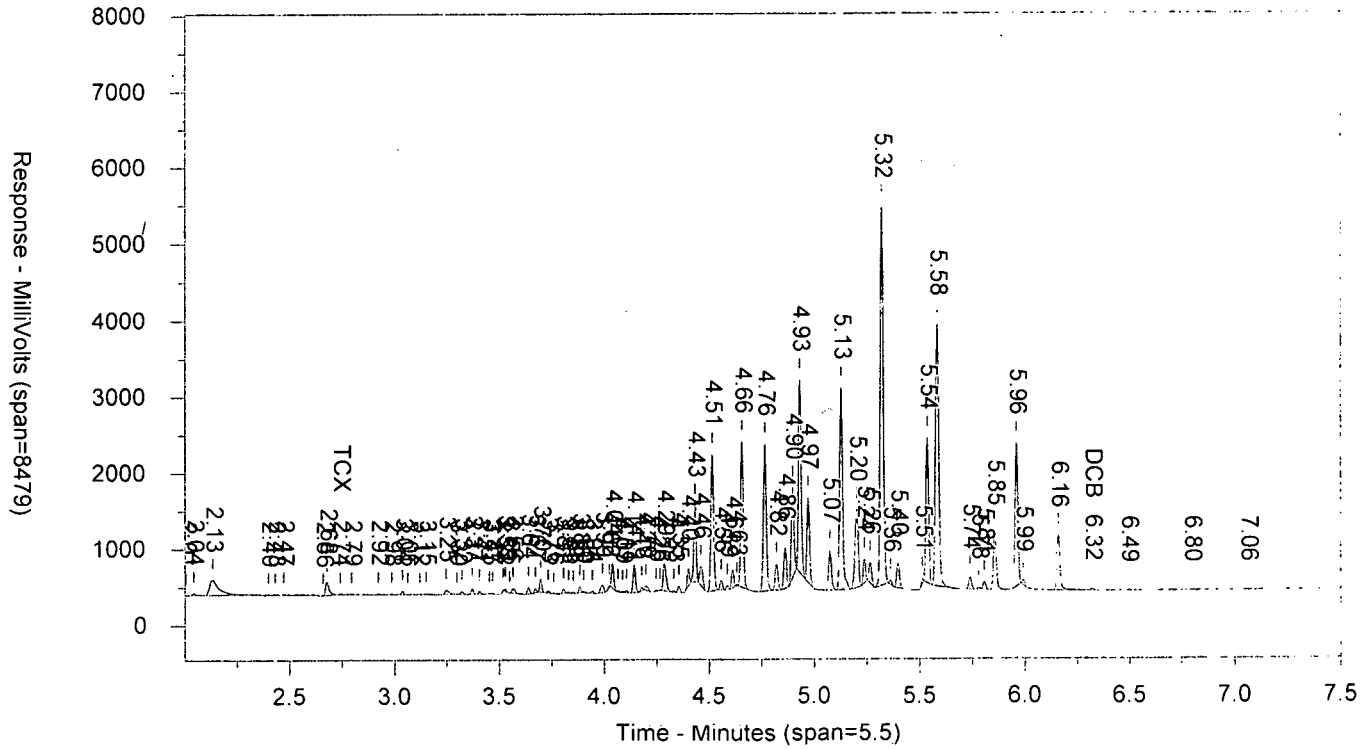

AR6231724A AAAR623AA ICAL 1729199999 10225 SW-846 8082

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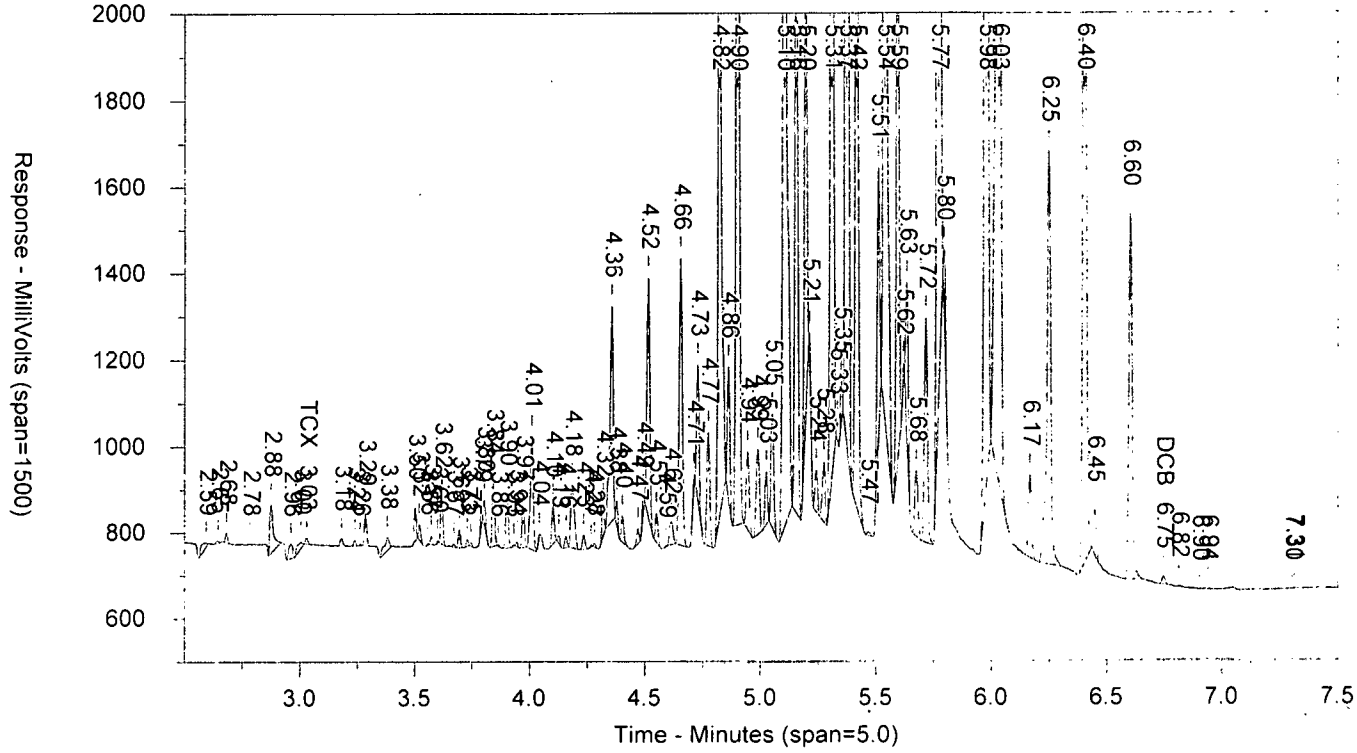

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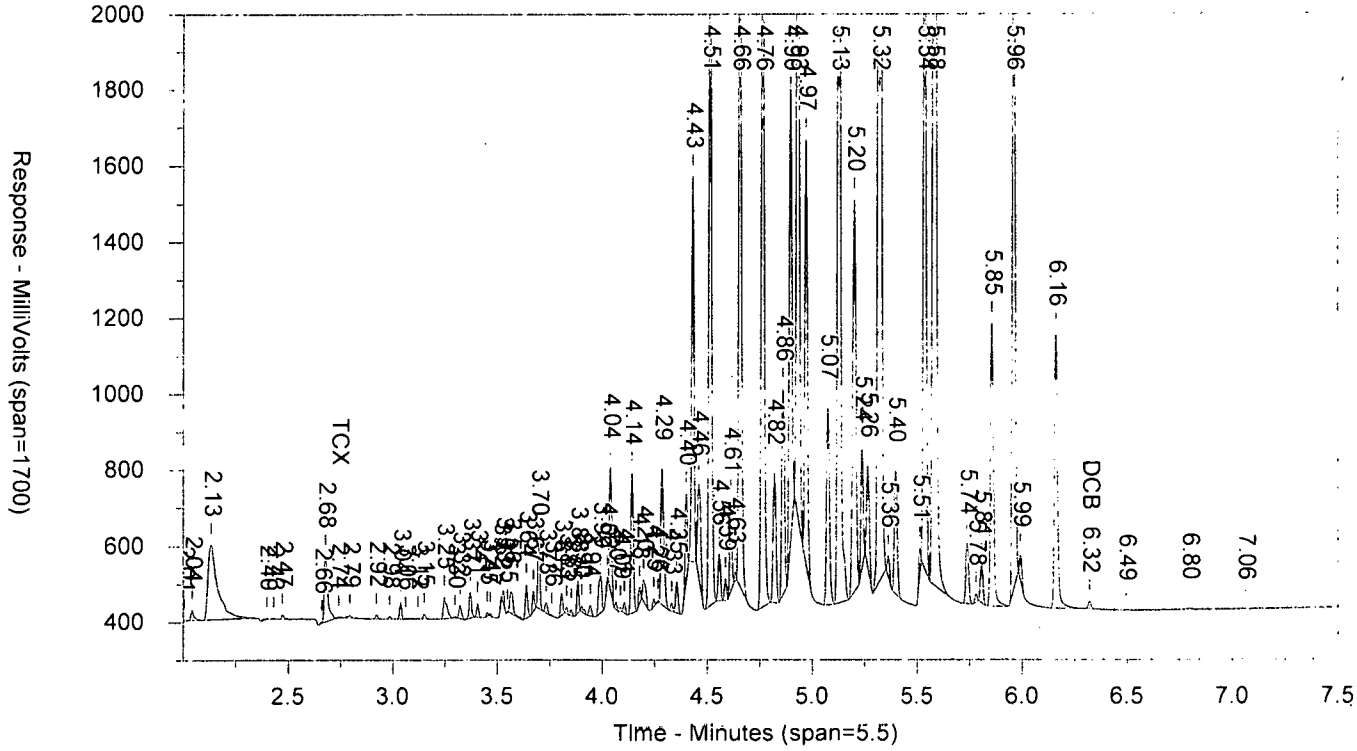

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.687		11026	105513
2.048		1831	1331
2.119		6754	20394
2.185		203188	381050
2.41		58496	40661
2.466		2936	2738
2.592		14538	38966
2.668		4679	3759
2.697		2598	1238
2.734		2362	1781
2.875		76575	66362
2.996		8153	12504
3.03	TCX	6408	4951
3.18		4165	2787
3.24		2870	2220
3.285		27320	18747
3.381		21881	37931
3.502		16911	11066
3.519		6697	6675
3.557		2090	566
3.573		8299	5592
3.6		4469	2247
3.618		50232	34007
3.668		3263	1682
3.694		7369	5208
3.728		3661	2266
3.792		9828	5916
3.803		15868	9242
3.844		63887	52415
3.881		1052	255
3.902		48601	35274
3.945		15562	11629
3.973		25071	17483
4.009		46823	51458
4.048		28544	34834
4.101		30084	21354
4.125		9689	6798
4.159		10409	6941
4.185		68144	80393
4.234		35919	29581
4.268		2544	1231
4.281		2569	1135
4.32		17363	10149
4.34		126045	161707
4.378		51361	34425
4.402		34301	28912
4.462		6331	6301
4.511		87897	78634
4.532		8116	4012
4.611		47254	43629
4.655		386321	354180
4.714		128932	119702
4.746		4760	2624

RT A	Compound A	Height A	Area A
4.775		22912	20137
4.823		31046	29395
4.861		63702	54037
4.902		89863	79691
4.944		248857	224584
4.987		96545	92495
5.027		487742	453144
5.06		9766	8967
5.105		4497	2818
5.121		42382	33534
5.155		225459	209232
5.194		39743	30115
5.213		33929	24064
5.237		7542	4861
5.268		189696	173726
5.308		85120	75655
5.351		219301	148341
5.374		1346588	1153114
5.416		153779	142375
5.47		5407	6127
5.51		172078	133975
5.554		1837501	2221275
5.594		48442	28419
5.618		532435	491357
5.674		302526	294901
5.715		36218	33673
5.772		625382	487610
5.795		648185	518913
5.975		8325168	7860133
6.033		7132077	7644575
6.165		6571517	6352996
6.229		1757974	2033202
6.402		2592923	2464572
6.6		20102440	19851200
6.747	DCB	3752436	3898353
7.034		2414	2510
7.075		6115	5684
7.286		1227	851
7.334		1131	556
7.716		1774	412
7.841		1457	676
7.89		1172	991
8.069		1549	482
8.246		1427	566
8.327		1576	1648
8.351		1645	745
8.471		1019	849
8.568		1813	2211
8.621		1345	655

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.617		1206	5520
1.914		3375	9198
2.041		36743	50497
2.131		122722	374239
2.399		2921	4938
2.676		126023	144106
2.74	TCX	3235	5717
2.921		2291	2040
2.986		1598	1061
3.037		16703	12701
3.15		8361	6944
3.245		11944	17521
3.322		17636	15388
3.371		32398	28294
3.406		8669	6485
3.462		8280	10468
3.528		17459	19592
3.57		30400	41784
3.638		33191	25902
3.672		12724	9085
3.697		31437	19365
3.733		20424	17182
3.805		22321	16985
3.83		8384	5119
3.851		6586	4238
3.883		37856	24186
3.901		4484	1652
3.915		7463	3799
3.945		24693	19287
3.993		84037	72433
4.024		35298	23455
4.041		36864	24454
4.066		17887	11274
4.143		8065	8256
4.182		8625	5026
4.196		30930	24442
4.246		3444	2545
4.266		8734	4899
4.285		207591	185598
4.331		67819	49082
4.355		8483	5717
4.401		13163	10395
4.432		21555	22372
4.463		11269	9997
4.516		106890	109005
4.557		165852	142752
4.612		29967	17872
4.632		273113	247767
4.766		197882	204350
4.82		60609	56652
4.87		132981	136189
4.899		29994	22161
4.931		970703	1045273
4.97		76815	55383

5.075		141952	130716
5.126		1697599	1676806
5.194		417800	446075
5.239		15255	10478
5.274		181585	172750
5.32		578160	543681
5.396		578379	552814
5.513		26051	19891
5.536		5966195	5432795
5.584		6073437	5790185
5.737		5198502	4896970
5.805		1359156	1256066
5.854		304291	281551
5.958		2078852	2070920
6.085		9238	10129
6.158		17198000	16616140
6.319	DCB	3358971	3392768
6.493		6508	5592
6.654		7749	7009
6.795		2797	3719
8.403		1628	2377
8.629		3349	7927

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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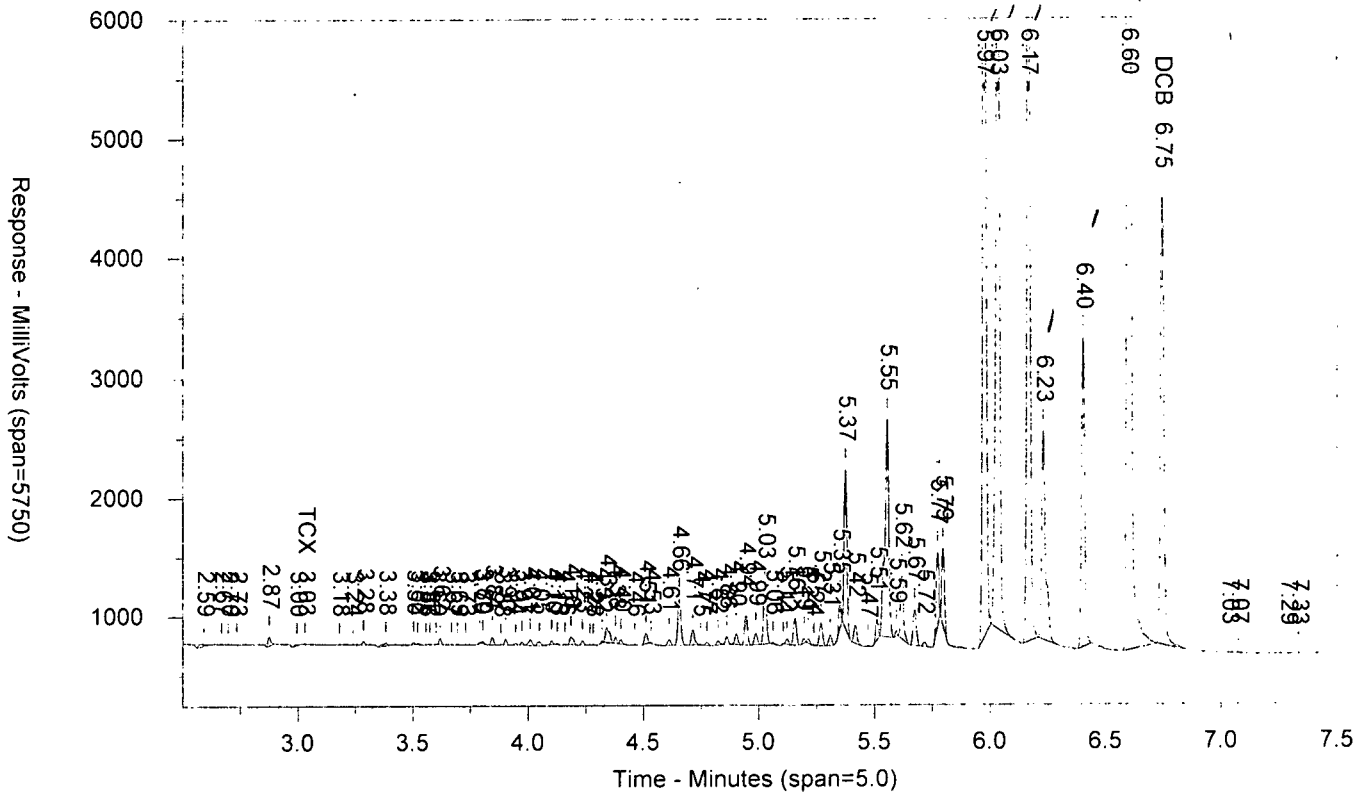

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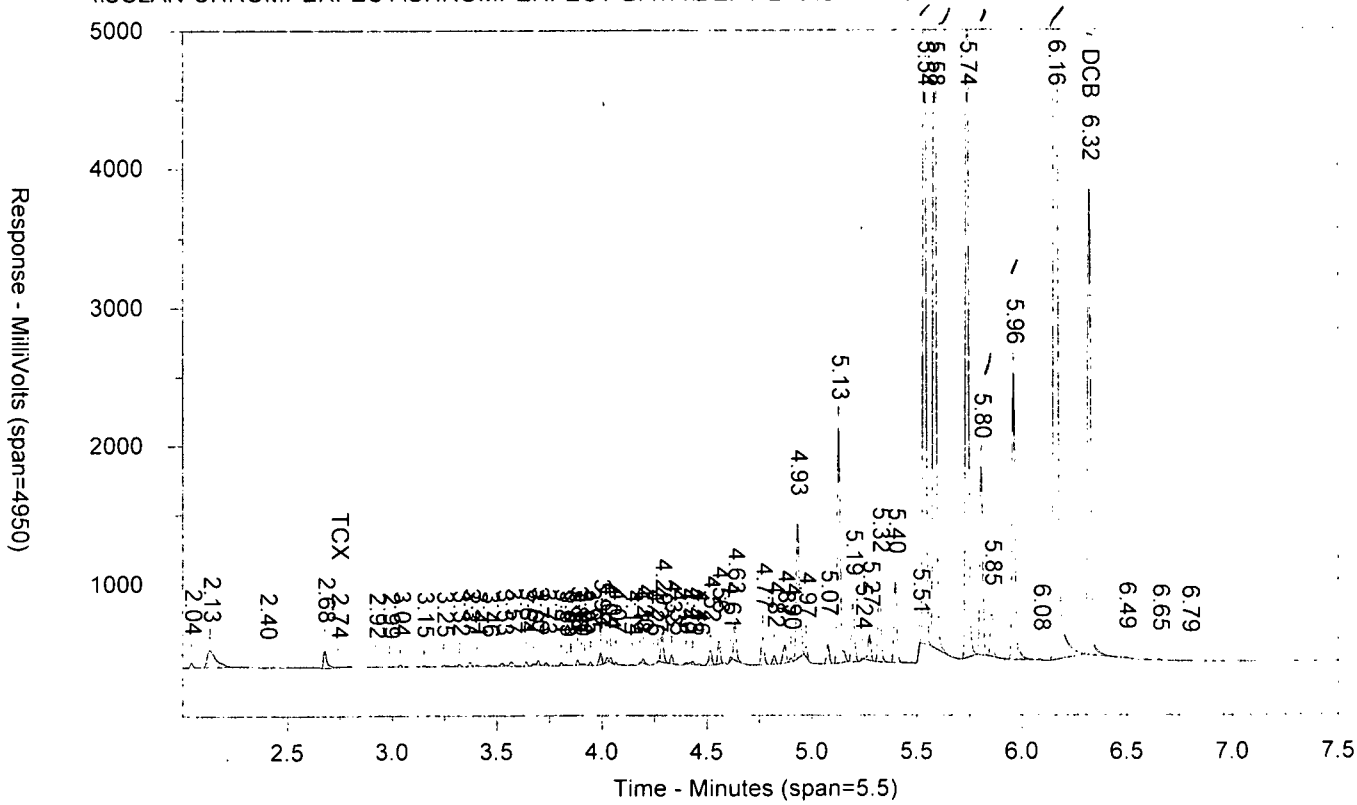

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:18:51 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	6408	.01	TCX	2.74	3235	.011	TCX
6.747	3752436	14.702	DCB	6.319	3358971	14.558	DCB

Files:
Area File: 07PCBS17292001.0026.RAW
Area File: 07PCBS17292001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:27:35 AM
File Reported On: 10/22/2017 at 1:36:51 PM

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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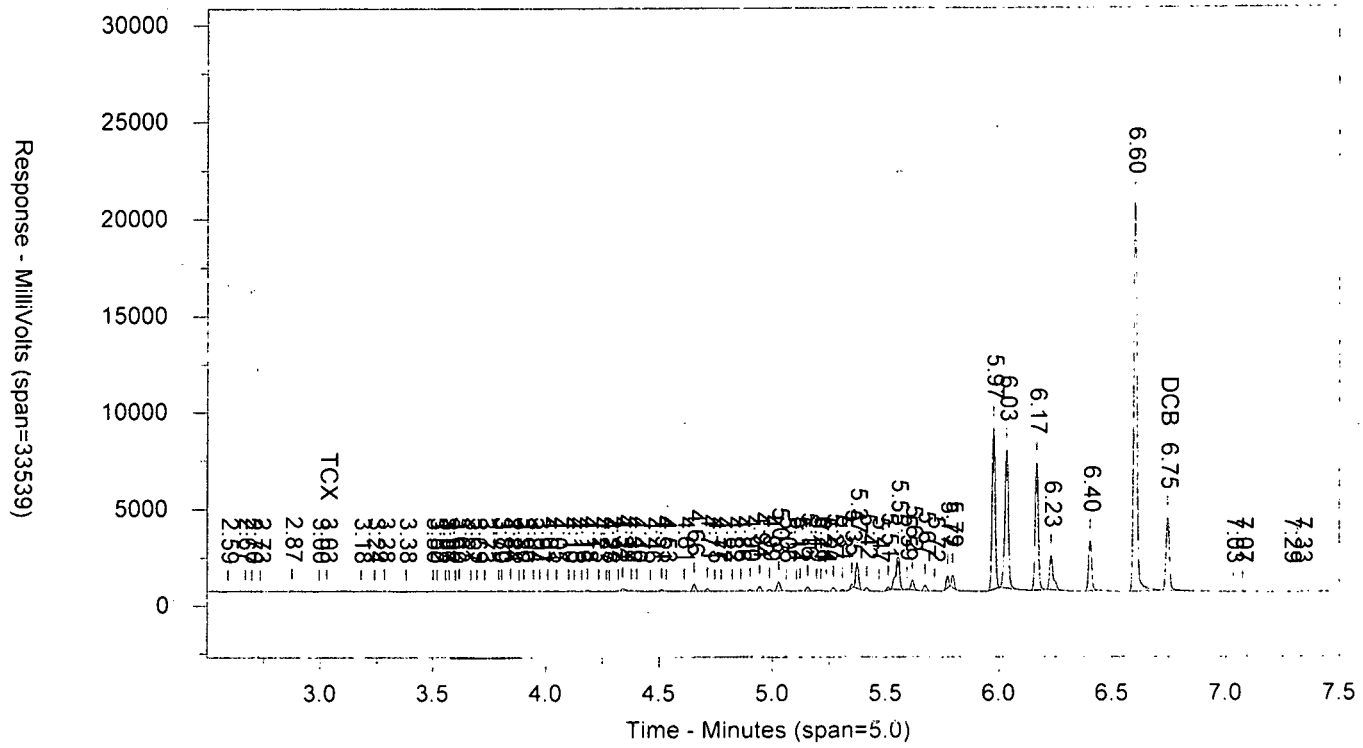

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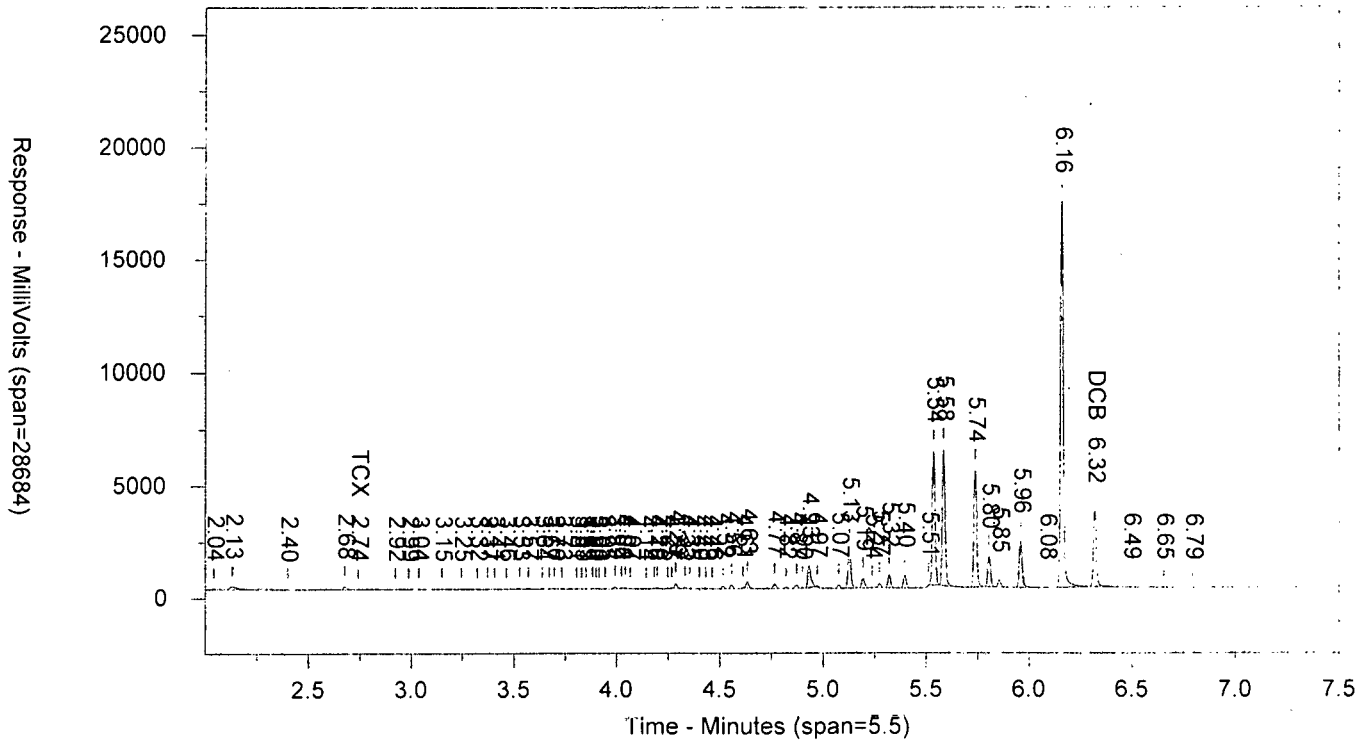

AR6831724B AAAR683AA ICAL 1729199999 10225 SW-846 8082

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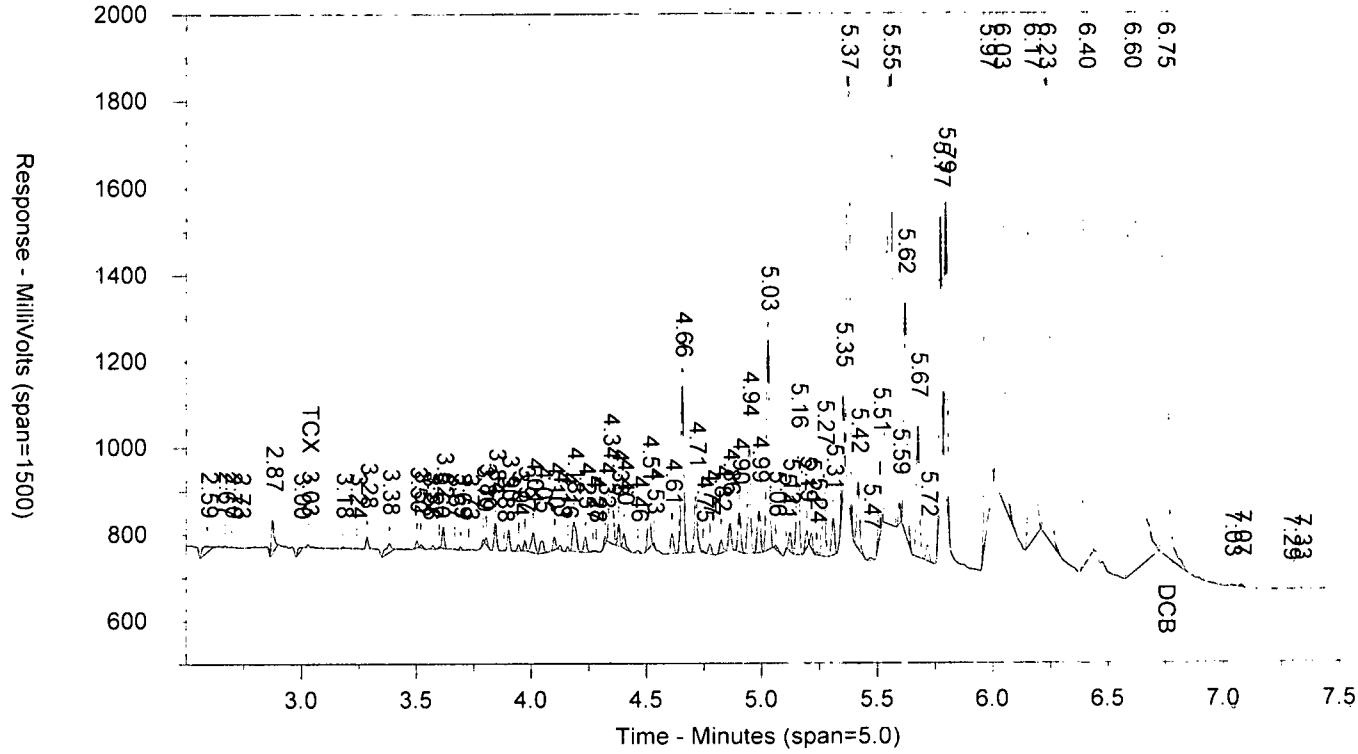

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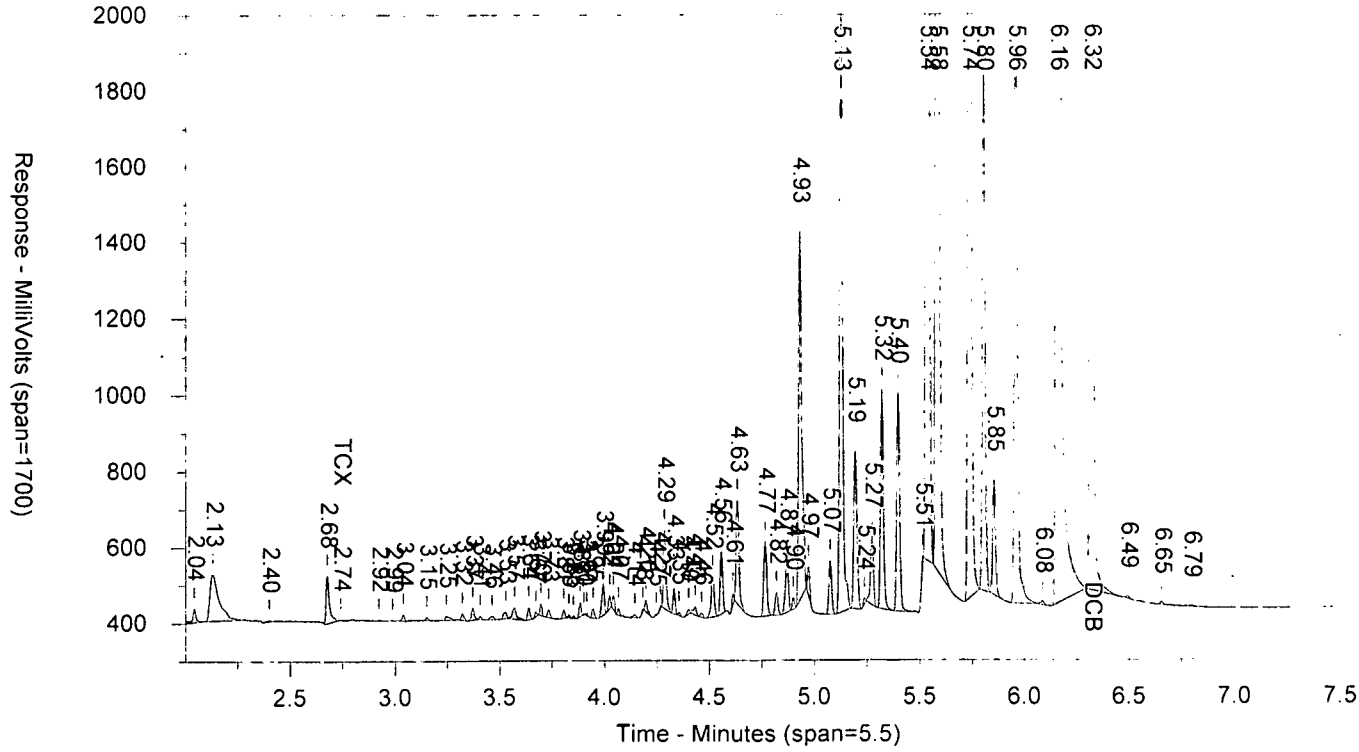

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.679		49262	207312
1.727		17271	24819
1.807		2675	3088
1.954		1917	844
2.134		52721	130036
2.189		201998	713458
2.316		119587	92738
2.41		44037	28805
2.426		43402	30129
2.467		3021	2038
2.521		4055	2134
2.597		4860	36069
2.638		12366	7248
2.662		703157	484251
2.874		58732	46312
2.942		214106	167561
3.028	TCX	26243510	17172220
3.129		5145	2570
3.181		1026074	855111
3.237		884607	732944
3.285		3187332	2109036
3.361		56718	36825
3.38		25200	13775
3.501		188175	107227
3.519		104779	79878
3.555		21328	9879
3.585		294713	197477
3.617		230726	158960
3.675		47123	30391
3.696		3210	1360
3.729		50080	28291
3.745		45898	24077
3.769		2225	1008
3.791		85877	45137
3.803		199183	104314
3.841		251894	195956
3.881		1888	622
3.903		166791	122616
3.943		9466	6898
3.972		50852	36087
3.999		38729	33461
4.048		12110	12200
4.074		1559	544
4.1		55933	39566
4.126		21684	14929
4.157		21112	15026
4.194		81716	79468
4.234		22194	19565
4.282		2840	2632
4.323		1761	968
4.355		36229	27923
4.377		31258	18737
4.401		40734	29539

RT A	Compound A	Height A	Area A
4.461		1340	840
4.51		41962	34916
4.53		11393	7177
4.611		4549	3050
4.66		24276	24400
4.713		49814	46045
4.751		6962	7121
4.775		14738	12494
4.86		12886	11313
4.902		3941	3378
4.946		4480	3807
4.991		12449	12670
5.027		142222	132119
5.06		11569	22529
5.121		15525	18290
5.156		10132	8721
5.193		6846	5239
5.214		15908	12502
5.268		204762	194106
5.308		4527	3315
5.35		6038	4535
5.473		9202	11392
5.518		4147	3927
5.537		4179	2981
5.592		10918	13877
5.618		11462	17683
5.674		131584	127260
5.797		242682	244767
5.883		3171	3037
5.976		15737	14720
6.03		9817	15308
6.115		3291	6146
6.166		188972	187655
6.23		227200	190665
6.403		4331	4548
6.528		1613	686
6.601		125649	127982
6.698		2989	2472
6.747	DCB	9969305	10325920
7.22		7111	7279
7.297		1266	754
7.844		1407	662
7.934		1346	477
7.976		1008	408
8.097		1462	612
8.321		1686	749
8.531		1087	320
8.571		1626	810

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.615		5180	17646
1.917		2773	9609
2.049		70888	116804
2.132		78996	162694
2.178		19738	15543
2.33		3021	2411
2.399		2931	5770
2.427		388902	318887
2.656		4540	2264
2.676		86072	72290
2.704		119364	83507
2.749	TCX	12729980	8756059
2.791		142061	116262
2.921		629041	489066
2.97		46673	22563
2.983		363581	222145
3.036		1594291	1136897
3.087		24226	15289
3.149		17620	13608
3.227		2717	1216
3.246		75037	41352
3.257		27322	29514
3.289		44162	37939
3.32		22888	15092
3.346		140160	92007
3.369		123157	83718
3.405		9640	5861
3.434		30245	16822
3.452		25903	13718
3.468		26831	14790
3.528		200817	221932
3.562		125530	116158
3.637		103619	75803
3.671		33072	22129
3.696		33671	20971
3.715		8710	4743
3.805		39952	29094
3.83		15470	8991
3.851		13284	8751
3.882		13203	7640
3.902		37215	31161
3.944		13277	10287
3.994		4459	2859
4.016		15297	10779
4.04		37722	26624
4.066		27455	19913
4.142		6550	4466
4.181		7863	4446
4.209		7028	4200
4.247		4978	3934
4.286		3204	2386
4.31		4457	2863
4.33		17848	12706
4.355		5974	3998

4.4		2389	2834
4.418		9903	12908
4.517		10376	15991
4.554		3498	2633
4.587		4552	3649
4.632		93247	89652
4.764		10384	10902
4.821		15527	13626
4.871		137466	123233
4.948		4675	2978
5.048		3316	6392
5.128		9448	8475
5.153		3225	2216
5.195		14062	15274
5.274		86792	93344
5.396		178844	176276
5.536		7435	7361
5.585		13143	12944
5.738		153309	154800
5.806		218491	211083
5.855		55309	51861
5.96		3804	3116
6.159		110165	105102
6.319	DCB	9035047	9006623
6.766		6239	5404
8.627		1942	2529

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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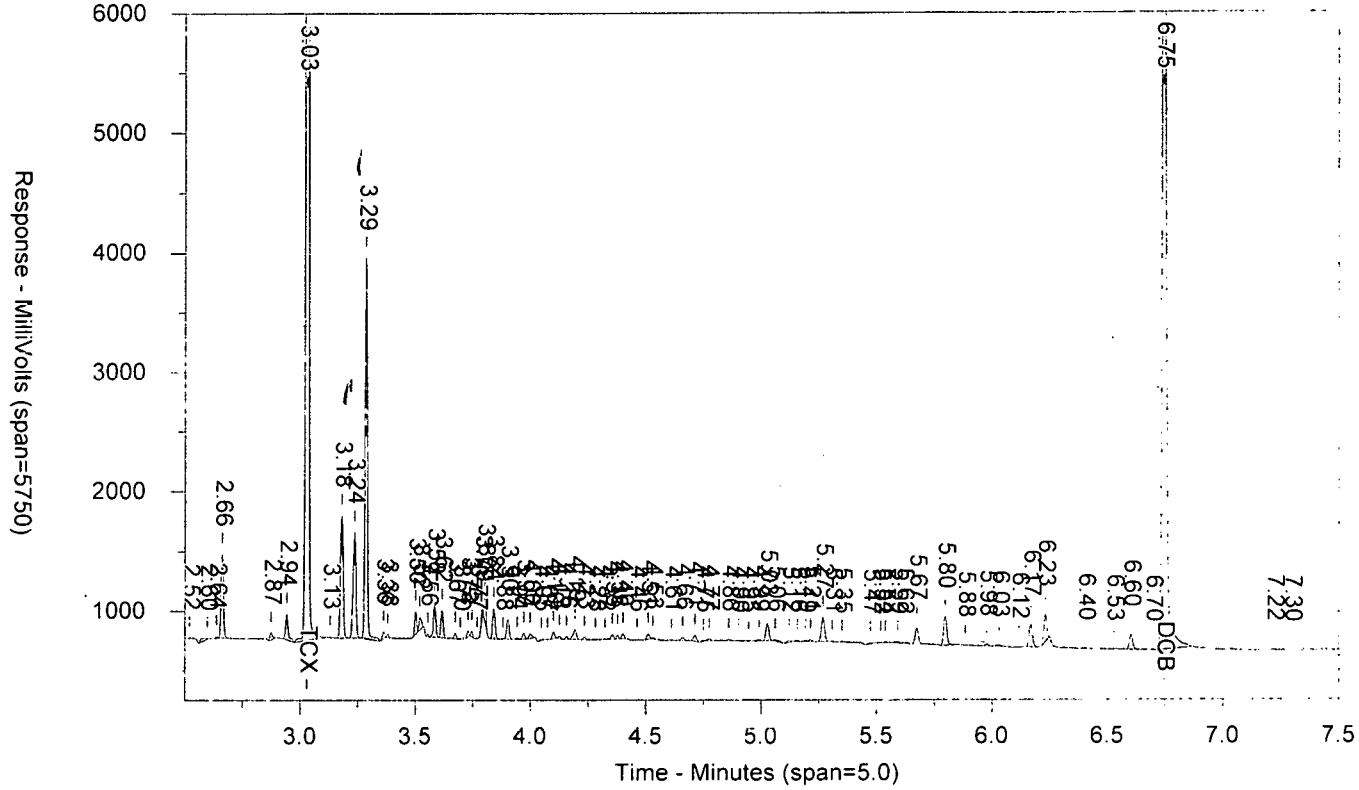

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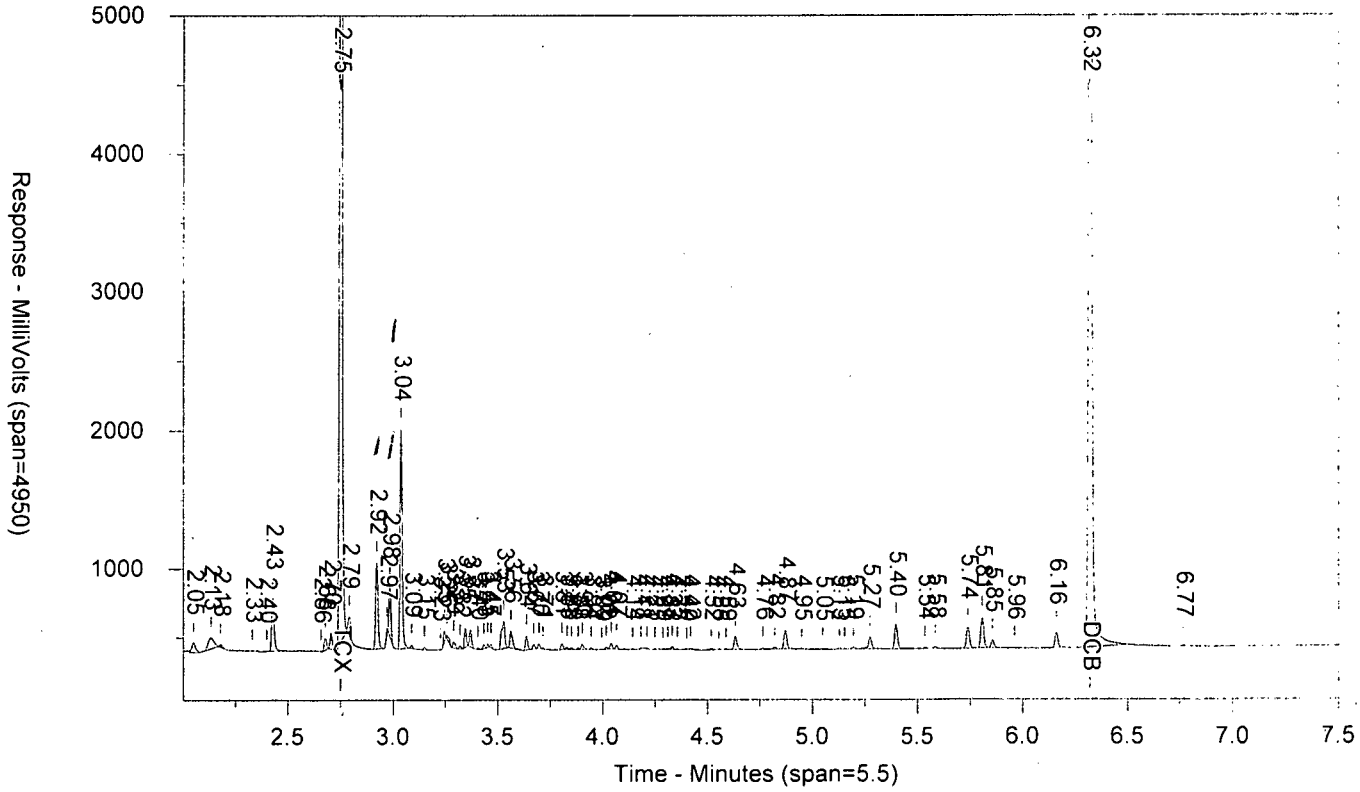

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:30:19 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	26243510	41.331	TCX	2.749	12729980	41.937	TCX
6.747	9969305	39.061	DCB	6.319	9035047	39.157	DCB

Files:
Area File: 07PCBS17292001.0027.RAW
Area File: 07PCBS17292001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:38:59 AM
File Reported On: 10/22/2017 at 1:37:01 PM

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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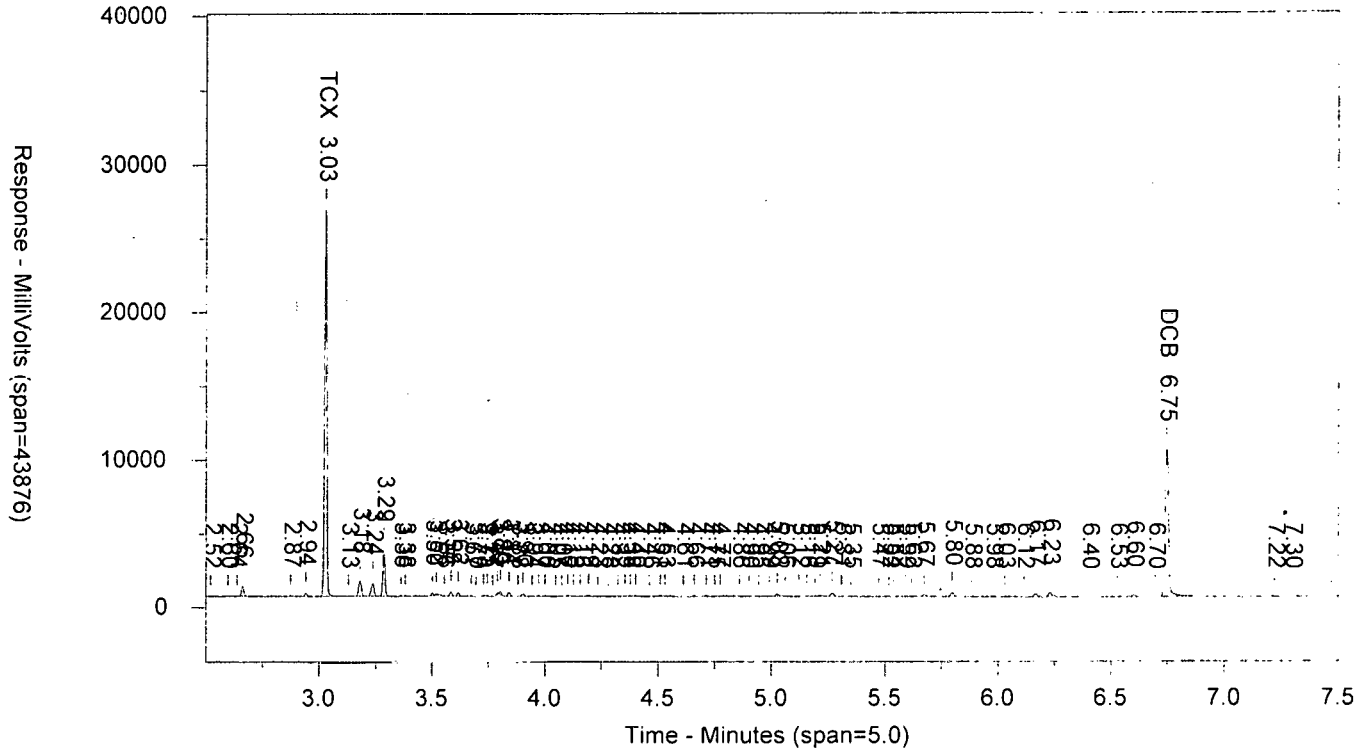

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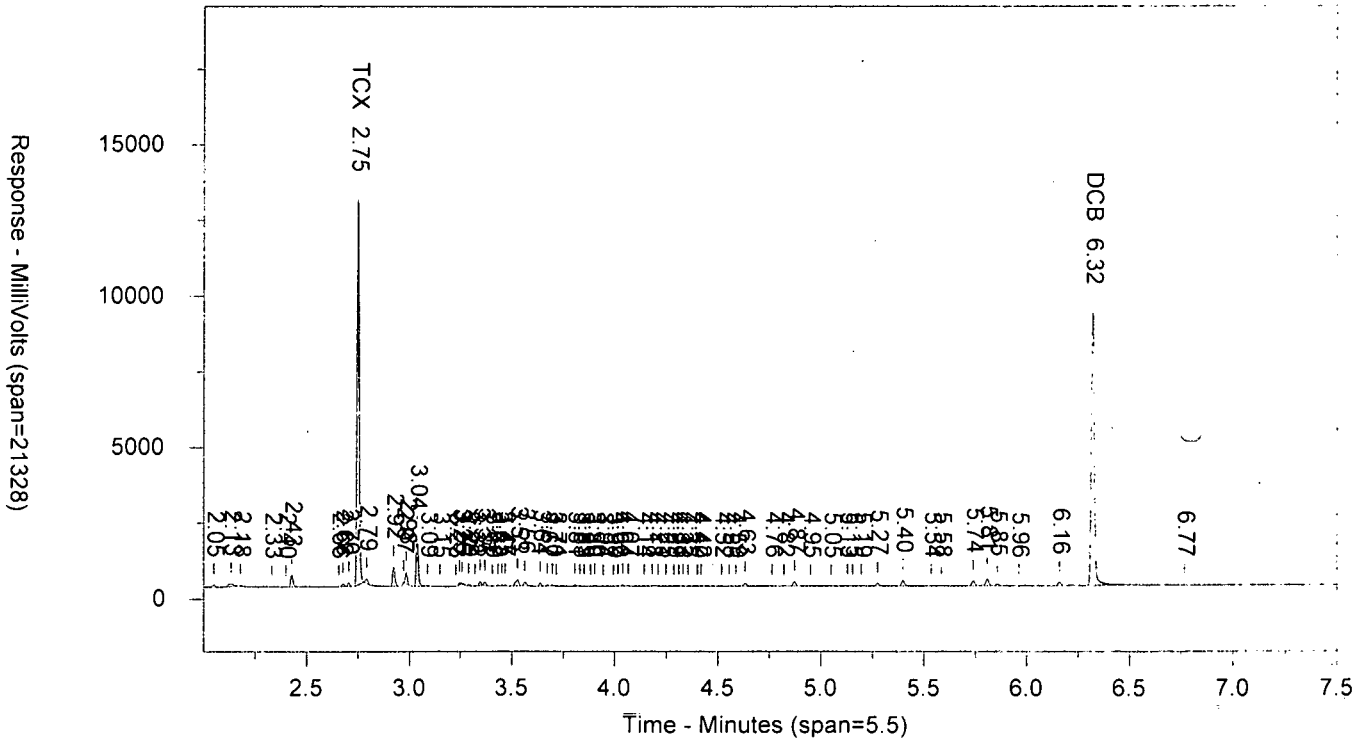

AR2141724A AAAR214AA ICAL 1729199999 10225 SW-846 8082

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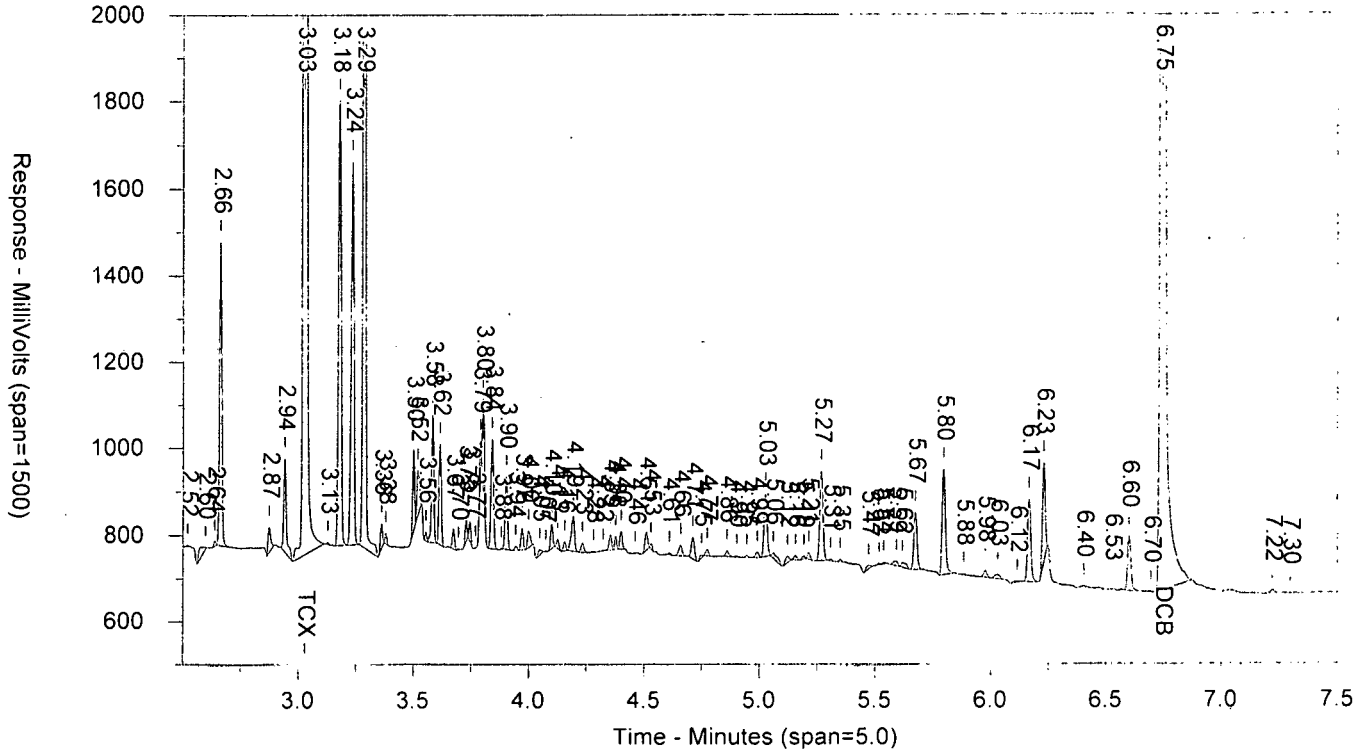

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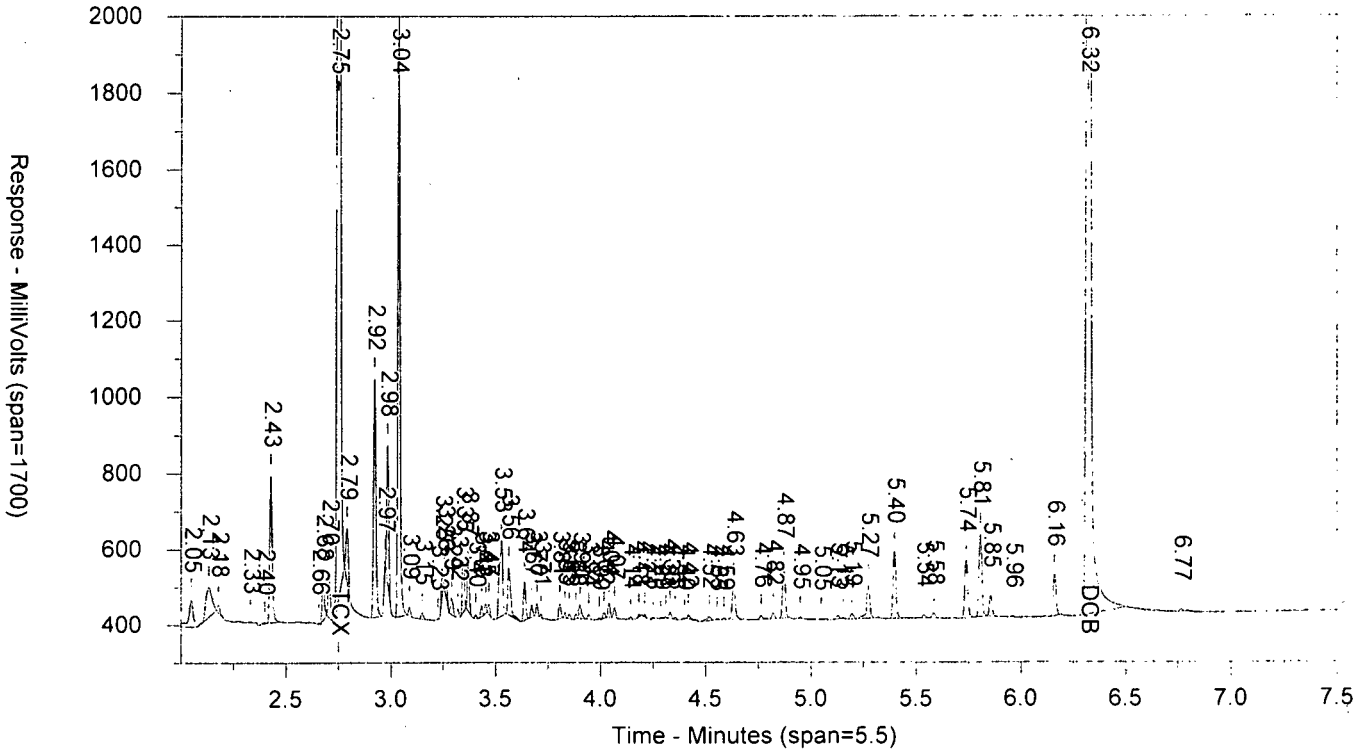

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.669		49530	165509
1.726		11652	12939
2.135		50213	168439
2.186		315809	776659
2.238		84863	232443
2.314		139388	141290
2.34		34872	54631
2.409		72249	59866
2.425		59360	58667
2.468		12477	18518
2.518		7566	6390
2.592		16706	46883
2.637		10247	6278
2.661		424168	287901
2.874		93546	113354
2.941		104226	91921
3.027	TCX	25929520	17012390
3.128		4559	2345
3.179		731555	599032
3.236		646526	576119
3.284		2447347	1610258
3.36		51903	31172
3.379		108849	64942
3.501		968854	572864
3.518		472103	261026
3.554		105390	55220
3.571		23460	9631
3.584		187411	99403
3.616		1128079	797070
3.652		5846	3487
3.673		43859	26717
3.692		50983	30928
3.728		240564	139035
3.744		129484	67407
3.79		601486	331729
3.802		1052380	552111
3.84		1380101	1028098
3.902		1039840	767837
3.943		75474	53557
3.971		591631	428636
3.999		456729	387845
4.022		129753	65885
4.049		7752	5840
4.099		712486	498041
4.124		244428	163088
4.156		279639	201436
4.192		781624	745170
4.233		230316	185060
4.28		43731	34201
4.322		51669	40607
4.355		467544	318725
4.376		553255	368432
4.4		738072	544225

RT A	Compound A	Height A	Area A
4.459		38255	51691
4.509		496144	395110
4.53		256258	159586
4.55		45976	25762
4.591		10210	6441
4.614		19686	16625
4.658		105270	96402
4.711		178721	157191
4.744		75590	56822
4.773		216590	186732
4.822		12713	11069
4.86		116360	105182
4.901		26250	27755
4.948		22732	20978
4.991		142464	129073
5.026		132824	119666
5.06		4011	2646
5.103		8691	4963
5.12		14304	9236
5.153		19496	18223
5.192		140541	121340
5.267		194875	182580
5.31		39532	33804
5.35		6396	4048
5.372		8868	7535
5.423		16741	28109
5.475		5554	7349
5.515		8995	6354
5.537		14240	11755
5.592		15559	15799
5.617		5399	2935
5.673		123587	120529
5.716		6186	4635
5.772		12864	9001
5.796		218658	198568
5.977		23553	21365
6.021		9551	13767
6.106		3309	3295
6.166		178478	177177
6.23		226134	181942
6.401		7362	7215
6.471		4450	4131
6.531		1906	1164
6.568		2234	1853
6.601		119614	118829
6.747	DCB	9572325	10206420
6.961		2624	1492
6.996		1748	768
7.218		8272	9575
7.363		1616	333
7.398		969	446
7.56		1552	1230
7.638		1259	1096
7.664		1850	762
7.773		864	289
7.841		1415	1025
8.138		1402	550
8.226		1589	474
8.275		1466	315
8.342		1452	541
8.409		1827	1743
8.59		1131	514

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.636		2390	15106
1.913		2374	10060
2.023		8262	19775
2.049		69934	85937
2.131		135168	269103
2.177		17109	12829
2.329		3377	2950
2.394		3764	6887
2.427		239648	196147
2.55		2971	5214
2.656		6119	3391
2.676		128937	115546
2.704		63229	42391
2.749	TCX	12562600	8666095
2.791		108199	85924
2.921		451057	350896
2.97		55711	29149
2.983		252852	146755
3.036		1264087	911195
3.087		24003	16608
3.149		73184	53503
3.245		629870	742233
3.296		76538	57610
3.32		70584	45740
3.346		97308	57727
3.369		605846	452875
3.405		40032	25320
3.433		29247	14366
3.451		132686	74319
3.467		79272	41748
3.518		165832	109194
3.528		568605	284867
3.562		619169	495619
3.637		589341	433425
3.671		342834	235281
3.695		376712	237933
3.714		102240	56585
3.805		460471	353000
3.829		164344	97398
3.851		163747	108703
3.882		105346	58994
3.901		354481	260512
3.944		152636	126164
3.994		22664	15937
4.016		240380	161575
4.039		505154	350096
4.065		440080	327519
4.105		14142	7448
4.142		103383	89738
4.18		265044	219142
4.21		186285	126520
4.258		13120	15451
4.295		62202	56036
4.329		17004	11404

4.355		99064	81337
4.389		55191	41961
4.418		149680	125709
4.516		76582	96482
4.552		15664	12066
4.586		93599	75742
4.631		75692	60877
4.655		9800	5505
4.682		6769	5540
4.762		27597	28447
4.816		91228	89201
4.87		122746	104515
4.897		19944	14631
4.932		3713	1972
4.969		4820	3500
5.127		16500	14351
5.152		6474	4331
5.195		14868	17342
5.239		4174	2675
5.273		79172	73456
5.319		18957	17998
5.396		169227	156961
5.536		6628	10421
5.582		19896	22910
5.737		151679	144539
5.805		208700	201398
5.854		55599	50409
5.959		5888	6124
6.158		101191	95066
6.319	DCB	8892238	8882291
6.765		6688	5287
6.8		2913	3342
8.541		1697	2401
8.632		2224	2454

AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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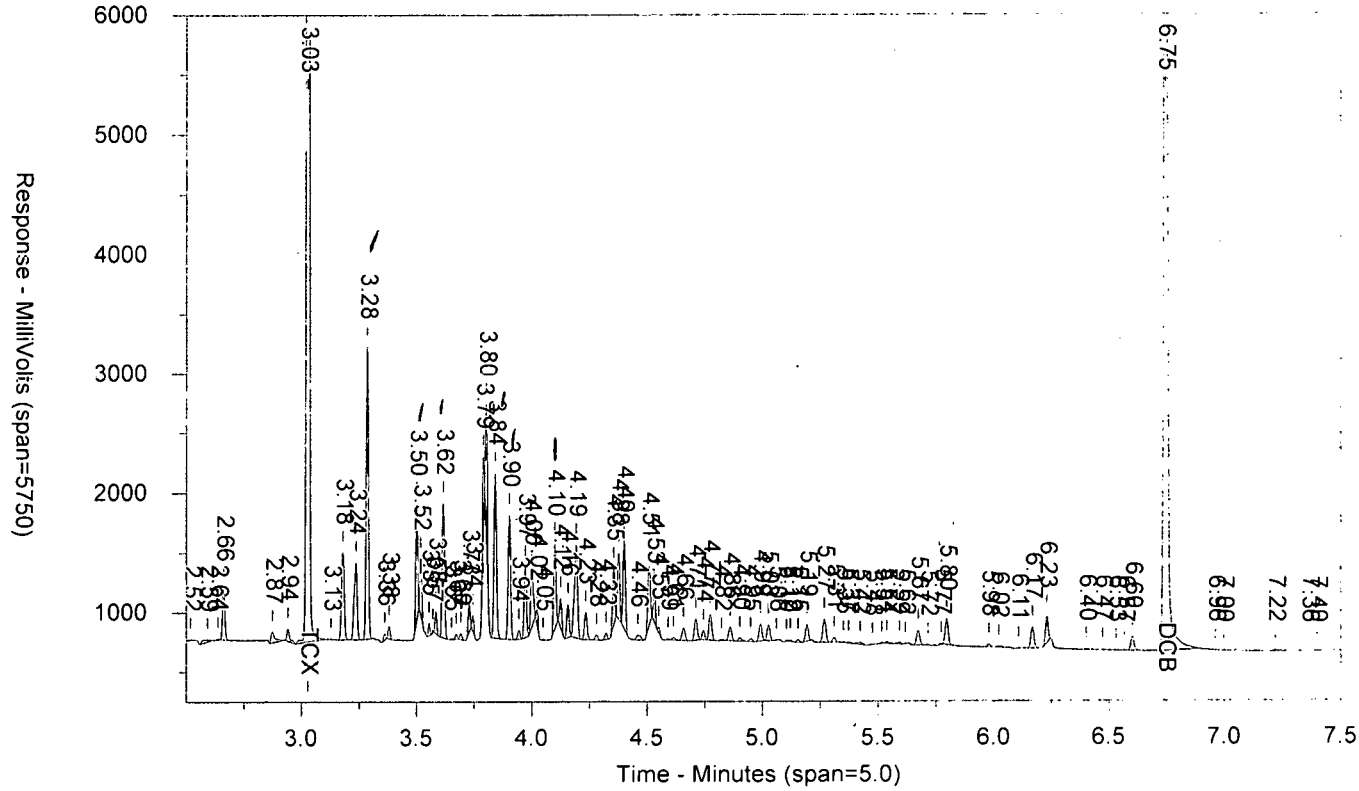

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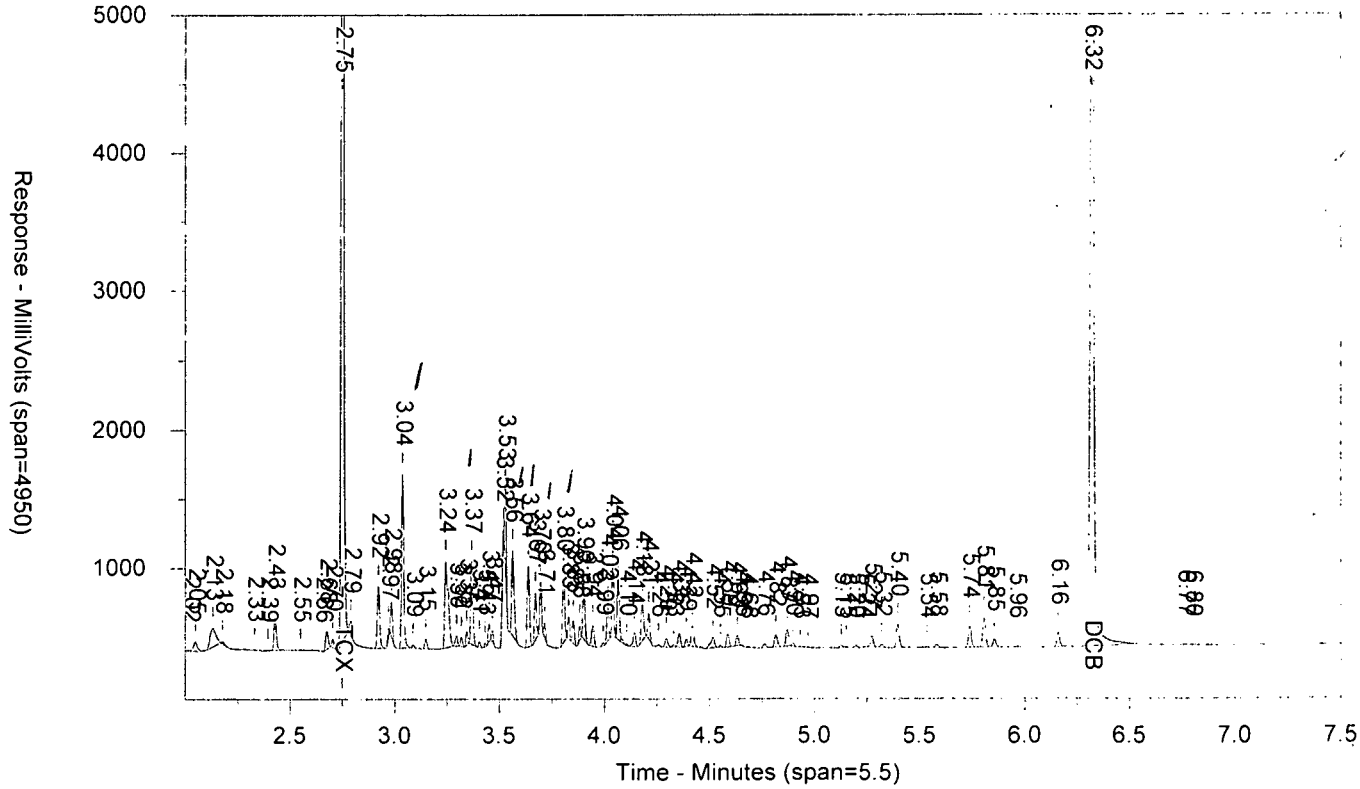

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:41:30 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	25929520	40.837	TCX	2.749	12562600	41.386	TCX
6.747	9572325	37.505	DCB	6.319	8892238	38.538	DCB

Files:
Area File: 07PCBS17292001.0028.RAW
Area File: 07PCBS17292001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 12:50:13 AM
File Reported On: 10/22/2017 at 1:37:11 PM

AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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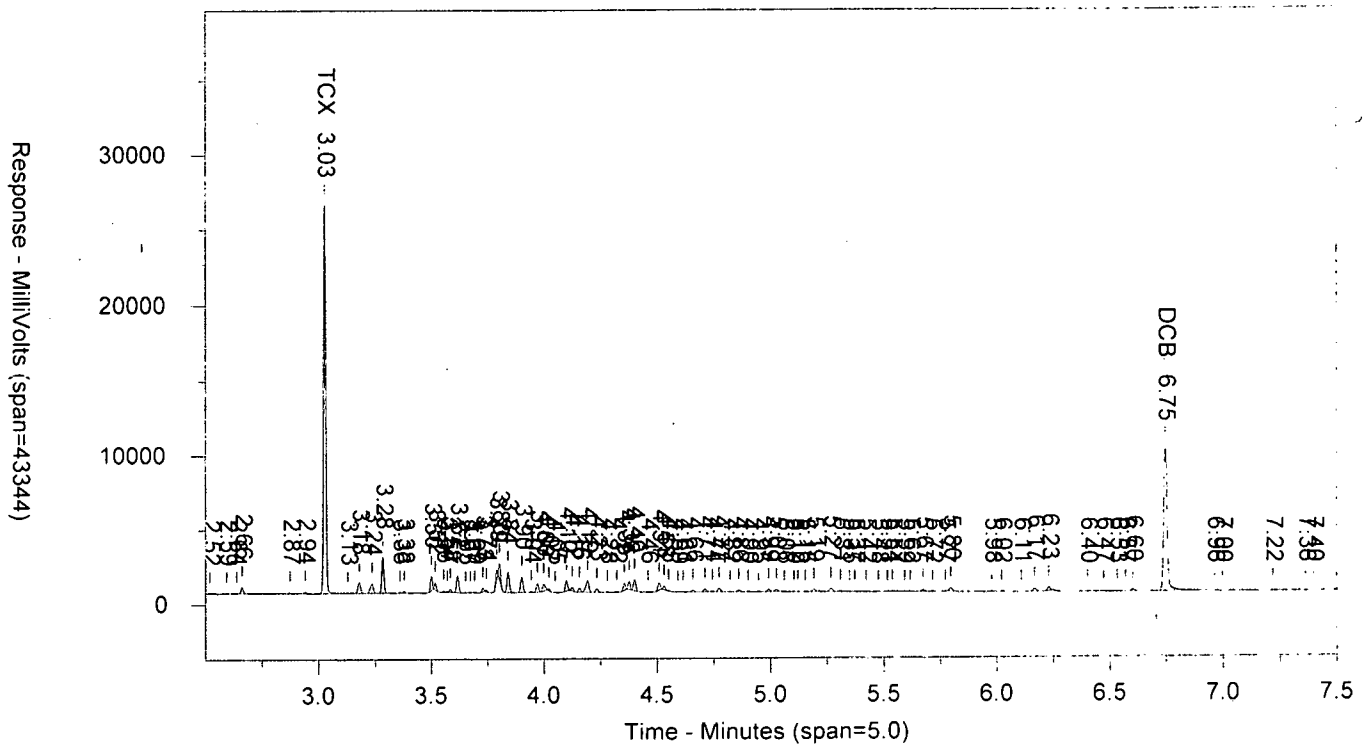

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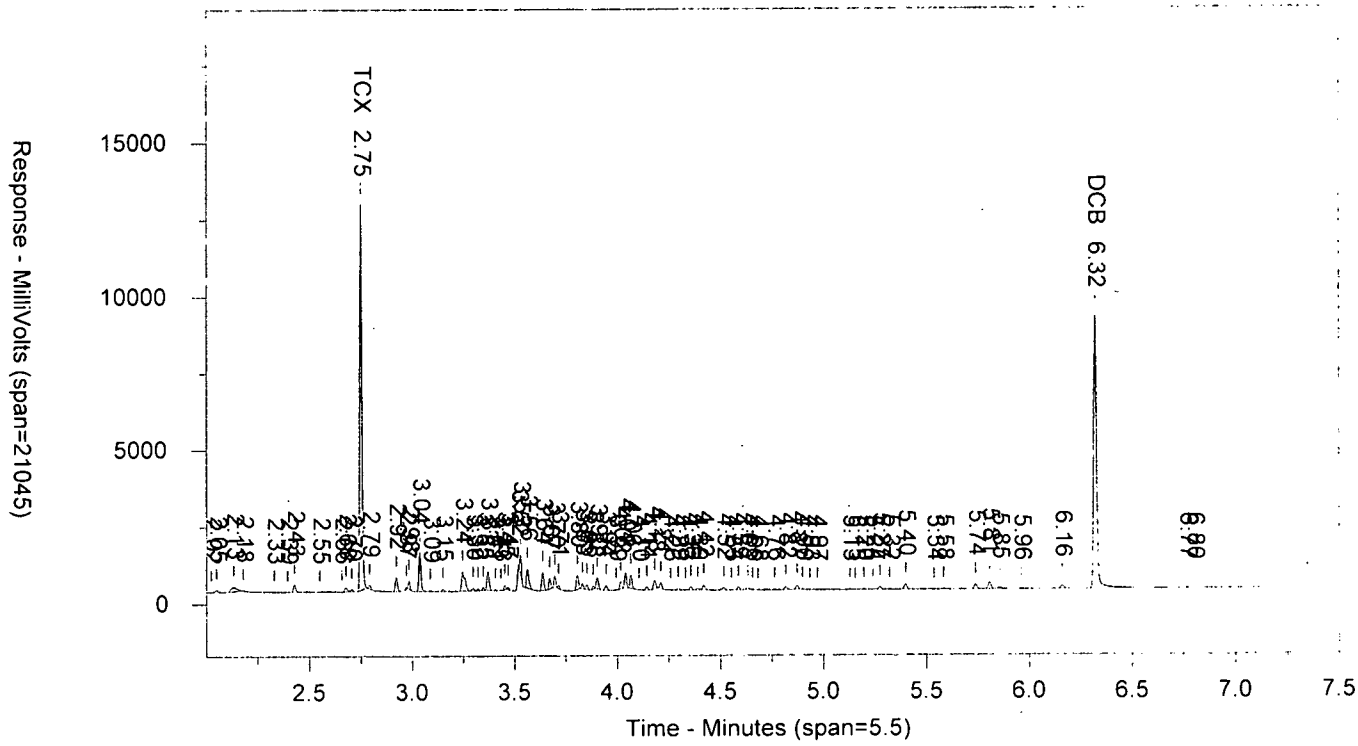

AR3241724A AAAR324AA ICAL 1729199999 10225 SW-846 8082

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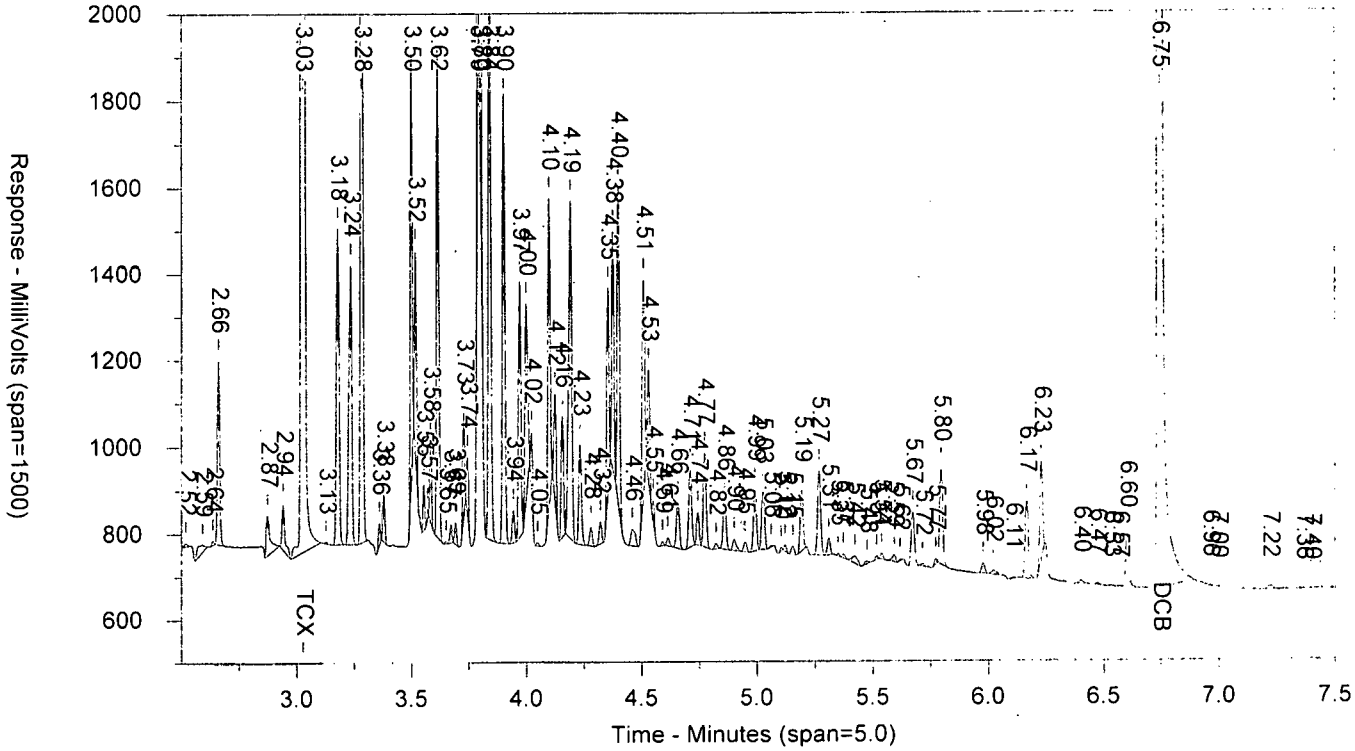

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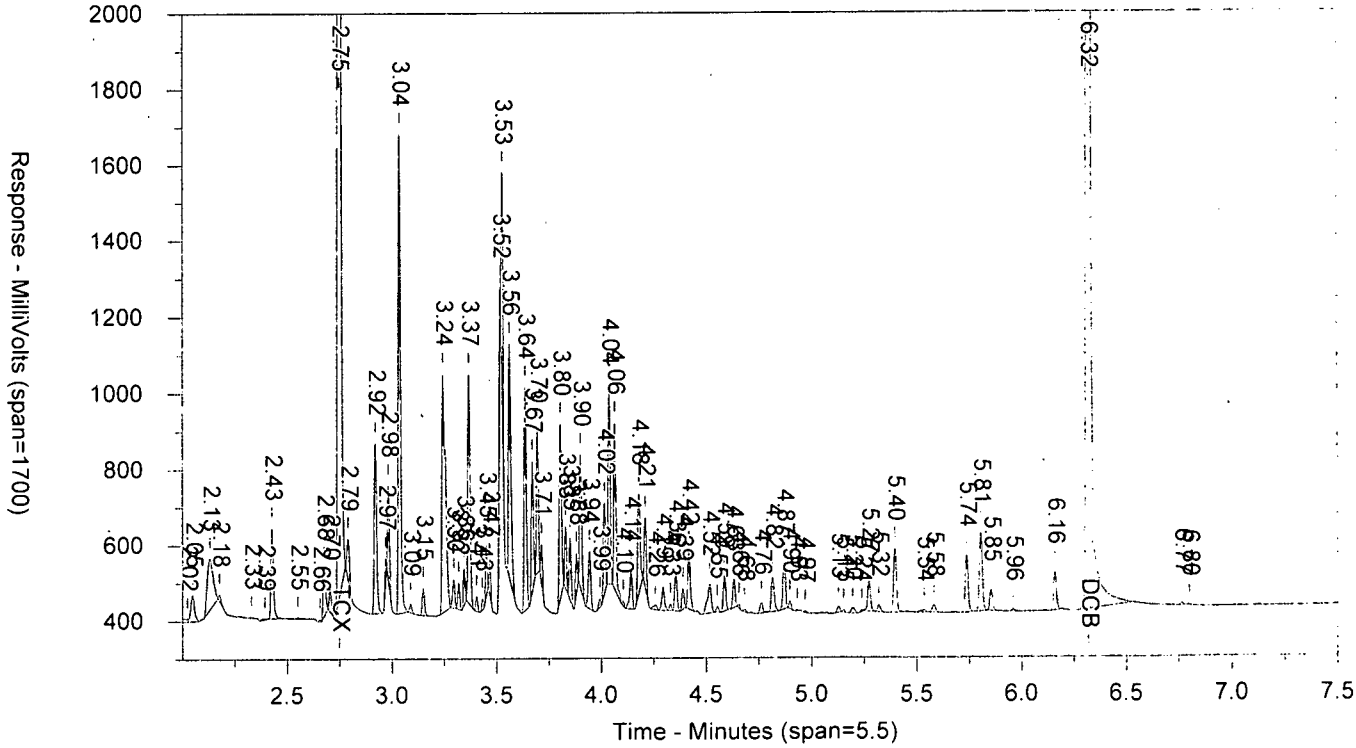

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.547		2062	1343
1.669		43564	147027
1.726		15224	16878
1.807		2567	1850
1.922		2432	1230
1.954		2451	2097
2.121		35821	68118
2.185		110455	286168
2.234		33968	59343
2.316		107994	78985
2.41		54965	35225
2.427		44543	30512
2.521		5817	3980
2.581		12614	20708
2.639		10331	6677
2.664		36687	26348
2.722		1699	1284
2.843		5566	10499
2.875		38534	30015
2.958		19968	23686
3.029	TCX	25694570	16522280
3.161		9522	4131
3.181		416426	338626
3.236		394800	403678
3.286		1726874	1147480
3.362		43069	24837
3.38		192010	118110
3.419		5738	3785
3.502		1709918	1009706
3.519		850569	448614
3.556		176784	100399
3.572		79423	34385
3.586		88566	39564
3.618		1994903	1393103
3.653		8728	4259
3.674		32374	20442
3.693		133211	83460
3.73		367403	220999
3.746		193677	101421
3.791		1028332	574688
3.804		1780496	920221
3.842		2394315	1807082
3.882		1099	357
3.903		1772191	1324616
3.945		141863	99895
3.973		1137433	820861
4.001		854353	735021
4.023		236998	121182
4.05		9793	5866
4.101		1330623	936559
4.126		465660	301148
4.158		525528	375233
4.194		1394075	1384131

RT A	Compound A	Height A	Area A
4.235		429150	334593
4.282		77883	61204
4.323		102182	77581
4.356		852376	607954
4.378		1076762	711596
4.401		1355867	1011767
4.463		13542	13441
4.471		19571	11716
4.51		983740	766363
4.532		418022	259534
4.551		130930	70845
4.593		11509	7319
4.616		40884	32034
4.659		221239	207421
4.712		335168	293089
4.745		169023	125957
4.775		482680	410288
4.824		4983	2905
4.86		228645	206614
4.901		35543	44829
4.951		52751	48623
4.993		335200	303370
5.027		174352	151393
5.074		34994	42730
5.104		19656	12562
5.12		23923	16367
5.156		13733	11762
5.193		331773	331562
5.24		5567	3440
5.268		264676	244908
5.31		90064	77480
5.333		6536	3221
5.35		11959	7454
5.375		5457	3185
5.417		8977	15618
5.477		4990	7023
5.518		30983	24869
5.538		10717	5848
5.593		13889	13705
5.618		6080	2871
5.674		161277	156265
5.715		21862	19304
5.741		5063	3268
5.773		12715	7761
5.797		296072	270567
5.978		29295	29295
6.026		3770	3535
6.104		2102	1274
6.166		212751	206743
6.23		246628	211235
6.403		10315	10328
6.458		1571	366
6.571		2012	624
6.603		120834	124143
6.749	DCB	9447477	9707652
7.036		4169	8757
7.106		1367	396
7.222		8226	8546
7.266		1098	388
7.32		843	501
7.394		1612	718
7.567		1185	742
7.597		1478	717
7.681		1366	471
7.731		1533	689
7.751		1293	695

RT A	Compound A	Height A	Area A
7.826		1009	509
8.023		1258	419
8.046		1476	517
8.412		1602	958
8.679		1233	293

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 . 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.61		2970	7370
1.905		3653	8795
2.013		2587	6683
2.049		61370	69045
2.13		42535	85165
2.179		21316	17709
2.273		2612	3628
2.332		2083	1658
2.399		3996	6838
2.429		21548	18355
2.66		3206	2158
2.677		65929	75965
2.749	TCX	12323110	8474607
2.792		70893	48792
2.922		268075	213991
2.97		73769	37107
2.983		125809	68636
3.037		898329	662591
3.088		21848	14338
3.149		123123	91510
3.246		1089884	1237914
3.298		120894	77984
3.32		97427	63038
3.346		54319	31163
3.369		1038482	793386
3.406		85912	56295
3.434		18692	9017
3.452		217289	124257
3.468		113092	59836
3.519		385599	202676
3.528		947143	461383
3.563		1092970	908981
3.637		1014797	728076
3.672		644312	433012
3.696		712151	443011
3.715		192050	105734
3.805		866082	650217
3.83		307677	179153
3.851		299652	203415
3.883		187745	104088
3.901		633681	452405
3.945		274182	228309
3.994		48880	35823
4.016		426627	301228
4.04		956019	663228
4.066		788092	594395
4.105		30323	16988
4.142		214037	193200
4.181		513577	428973
4.211		320514	221238
4.259		27146	23453
4.295		136566	125965
4.331		17538	10617
4.355		218934	183323

4.389		125942	96543
4.419		312482	266697
4.517		144645	178401
4.553		35446	28634
4.586		215931	197042
4.633		96314	76393
4.655		19107	11405
4.684		17195	14066
4.762		47408	48785
4.816		206642	194592
4.87		156168	134234
4.898		54170	47336
4.945		8979	6935
5.048		2337	2879
5.127		13221	10128
5.152		24925	20503
5.194		18854	20633
5.238		4435	3001
5.274		98218	85732
5.298		4998	3061
5.32		14014	11520
5.396		216203	208218
5.513		1889	1402
5.535		7591	6037
5.582		21617	24081
5.738		178985	169385
5.805		254838	240249
5.854		70288	67845
5.958		6943	6596
6.159		110324	114885
6.319	DCB	8432271	8517683
6.764		5423	5288
8.632		2551	4085

AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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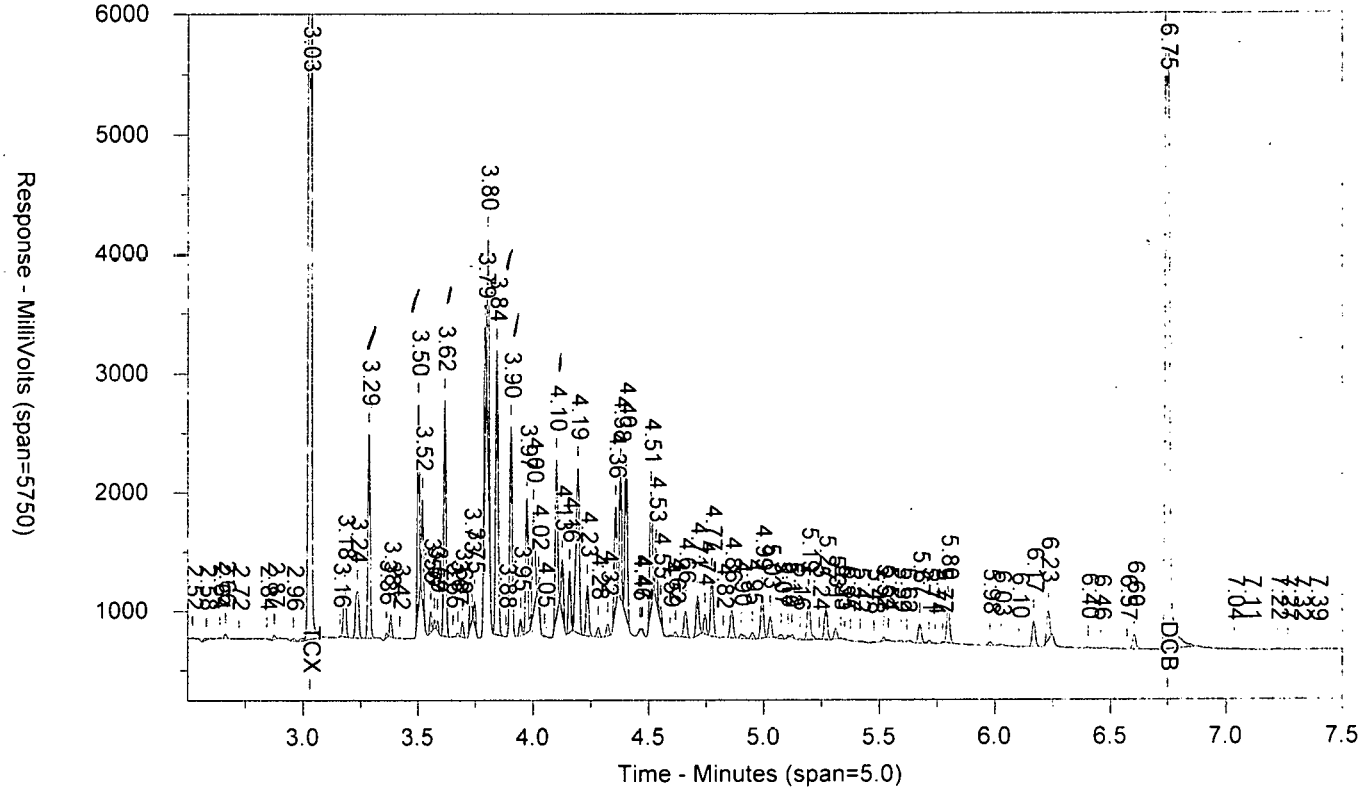

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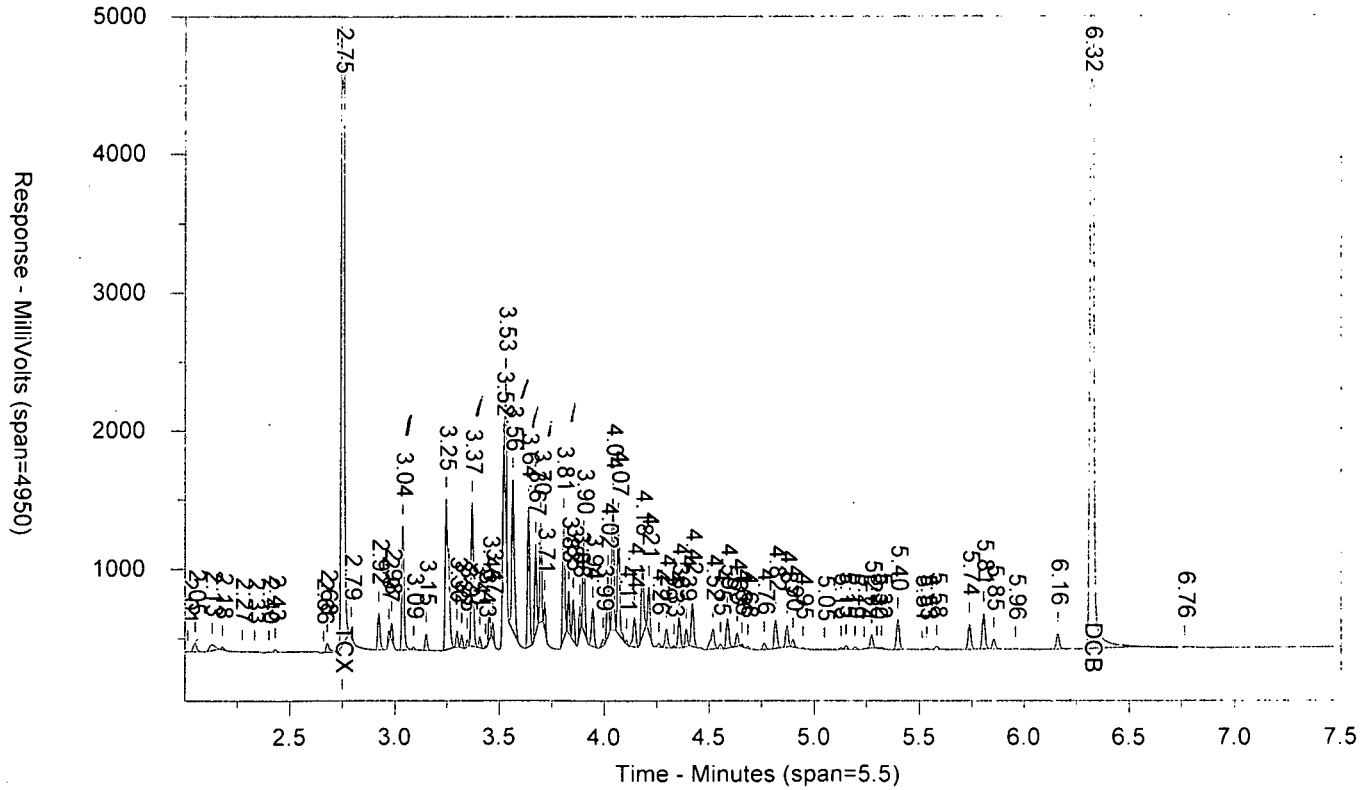

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 12:52:58 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	25694570	40.467	TCX	2.749	12323110	40.597	TCX
6.749	9447477	37.016	DCB	6.319	8432271	36.545	DCB

Files:
Area File: 07PCBS17292001.0029.RAW
Area File: 07PCBS17292001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:01:39 AM
File Reported On: 10/22/2017 at 1:37:22 PM

AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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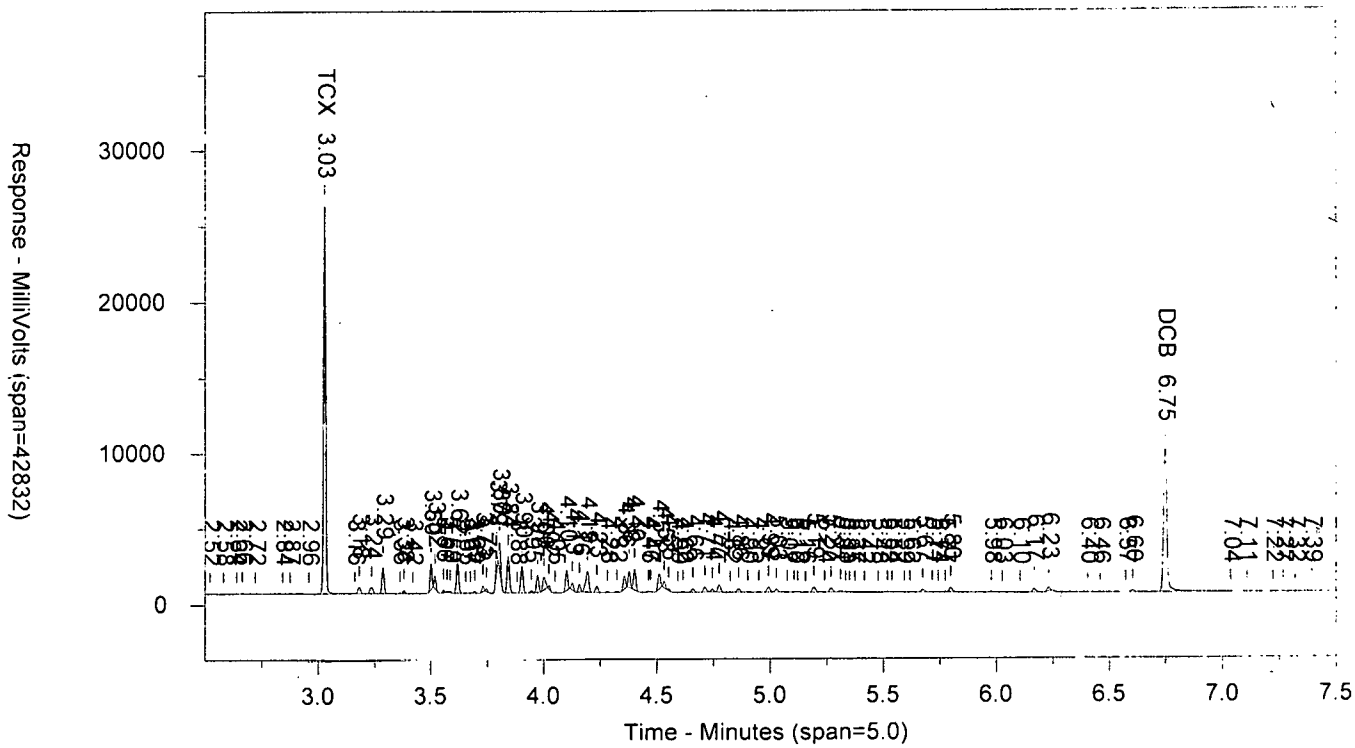

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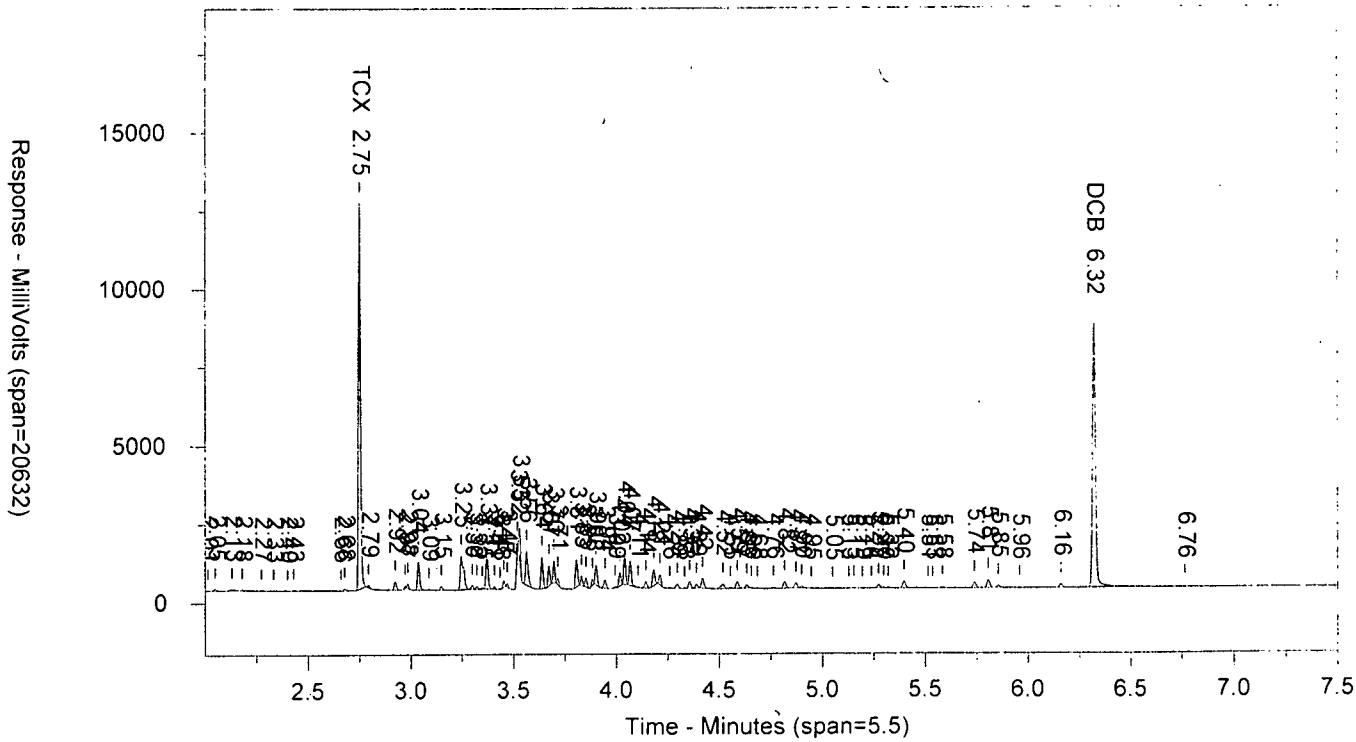

AR4241724A AAAR424AA ICAL 1729199999 10225 SW-846 8082

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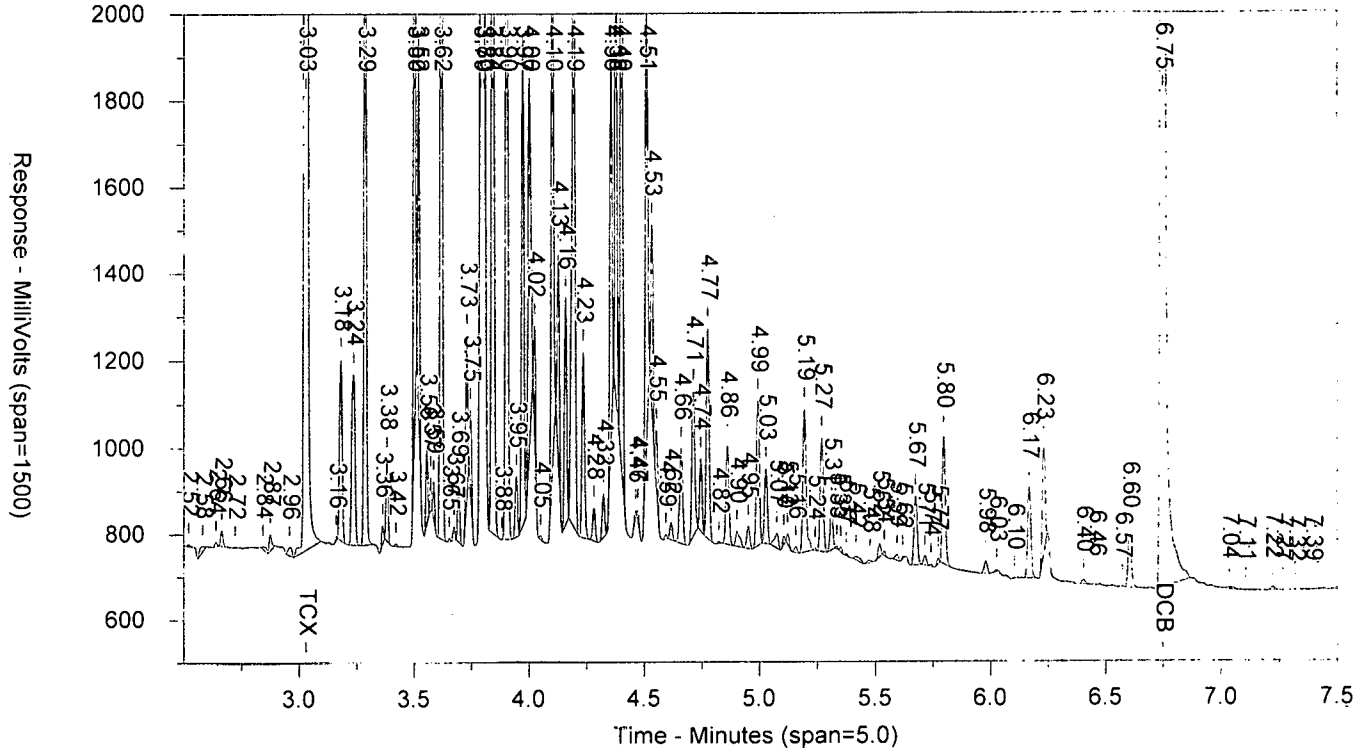

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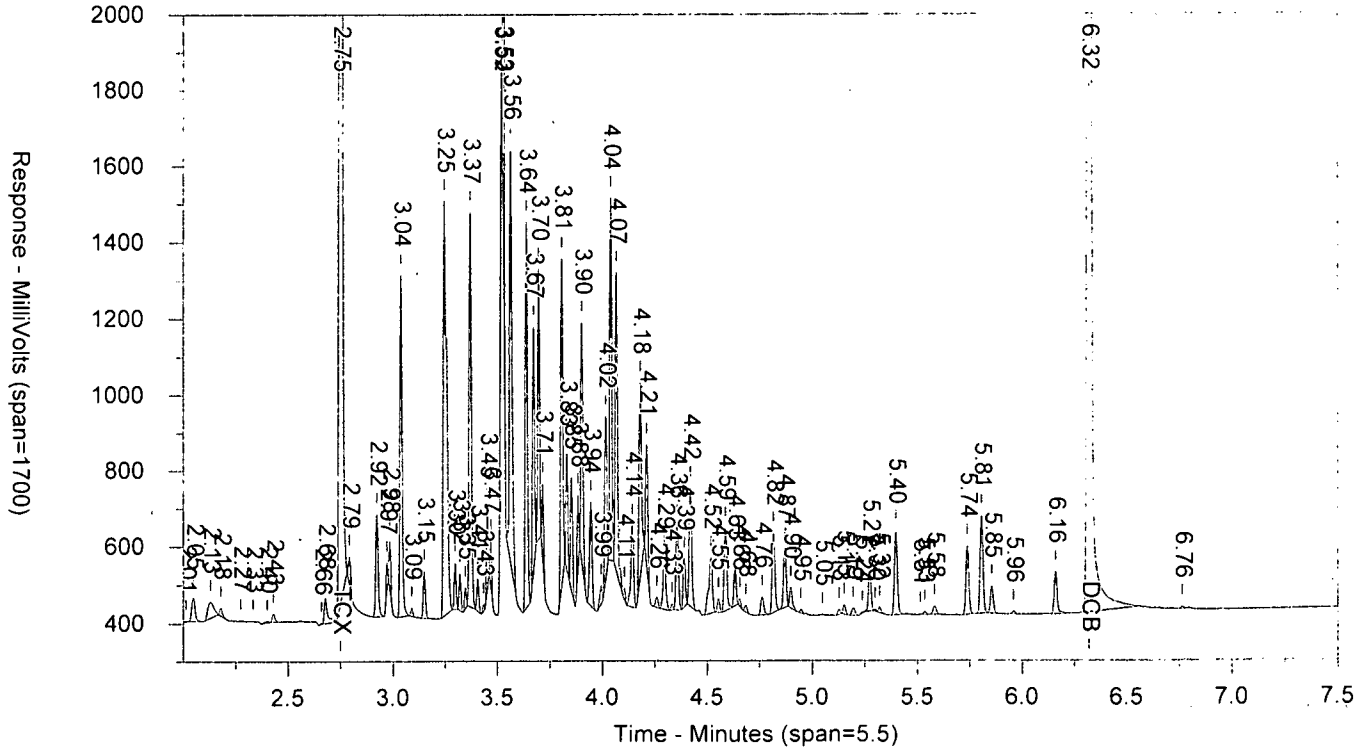

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.689		17395	169189
1.954		2064	1399
2.119		59615	93644
2.185		116900	337622
2.239		49960	100782
2.315		183557	186561
2.41		32116	26992
2.427		68349	49960
2.522		8378	5855
2.589		29239	63833
2.638		4779	3061
2.664		41731	28832
2.875		31452	22275
2.958		21850	26099
3.029	TCX	40462590	25969450
3.13		5982	3271
3.181		463731	388095
3.233		521689	527982
3.285		1956765	1317977
3.361		69246	41095
3.38		219766	136912
3.419		6766	4149
3.501		2025134	1196060
3.519		1013052	540391
3.556		214555	119323
3.572		84828	36809
3.585		103944	51538
3.617		2358466	1661430
3.653		10431	5466
3.674		50504	31497
3.693		68651	41193
3.73		453535	265180
3.745		237140	121933
3.791		1190110	641266
3.803		2266174	1178726
3.842		2616749	1961877
3.903		2128987	1587083
3.944		169563	117854
3.972		1333269	965219
4		1038495	850518
4.022		283426	146999
4.049		8685	6319
4.101		1504121	1113936
4.125		564188	350057
4.157		597253	433521
4.193		1618007	1557206
4.234		482888	383927
4.281		60487	45353
4.322		71043	57156
4.356		524824	363162
4.377		400423	248641
4.401		367174	278998
4.462		2849	1921

RT A	Compound A	Height A	Area A
4.51		128180	112376
4.531		14383	7056
4.551		5545	3324
4.611		11388	8596
4.659		36519	37592
4.712		73759	67062
4.773		11706	26338
4.82		1456	1454
4.861		15912	13611
4.902		1920	847
4.943		8464	7474
4.988		13268	11861
5.026		278562	253931
5.057		9041	22406
5.121		21264	23948
5.155		17164	15169
5.194		2408	1922
5.214		32109	28599
5.268		398718	369358
5.31		5276	4076
5.351		11561	9531
5.471		10080	13110
5.515		5653	5354
5.536		8112	7516
5.592		11143	13324
5.62		7834	6461
5.674		245611	240850
5.797		461761	480320
5.977		16234	18032
6.023		13233	16770
6.109		3565	3708
6.166		320270	326025
6.23		390956	338961
6.386		1375	788
6.404		3797	3205
6.472		5232	4405
6.527		3034	2531
6.567		2937	2160
6.602		185767	191793
6.748	DCB	13863560	14599890
7.222		10872	13367
7.385		950	719
7.516		1442	779
7.582		1074	355
7.961		1384	531
8.247		1235	546
8.409		2006	2621

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		2229	1956
1.632		2503	14457
1.907		6986	20053
2.011		3420	8304
2.05		81821	79776
2.13		33683	66927
2.178		32085	26655
2.271		3520	3447
2.313		1760	1522
2.402		3747	9862
2.429		23366	20587
2.659		2307	1426
2.677		50635	41739
2.749	TCX	19054500	13213640
2.792		66241	42809
2.922		294754	231977
2.97		123929	62818
2.983		119968	59308
3.036		1019156	745799
3.088		34286	22146
3.149		141048	105366
3.245		1256025	1437868
3.297		144172	92509
3.32		93599	60132
3.346		63695	35696
3.369		1224948	932197
3.406		53848	33635
3.434		32448	15842
3.452		258924	144898
3.467		130810	66601
3.518		368734	227054
3.528		1186692	580082
3.548		19089	4956
3.562		1206915	910487
3.637		1237929	867524
3.671		751772	514371
3.696		838102	512417
3.714		228298	125088
3.805		1003661	757438
3.83		341879	203575
3.851		350975	231317
3.883		200407	111248
3.901		699322	502743
3.944		308558	250488
3.993		33413	29744
4.016		195494	132292
4.039		454896	326140
4.066		190541	128600
4.086		28465	15296
4.142		21468	18829
4.182		13167	7813
4.196		39321	31569
4.247		5088	3410
4.266		4098	2346

4.286		5754	3417
4.31		12279	7307
4.331		34821	25431
4.401		6189	4855
4.519		12831	19146
4.556		6134	4246
4.588		2722	2090
4.632		174752	182587
4.763		17984	20064
4.821		28423	25592
4.871		255019	247423
4.948		8533	8857
5.051		1829	1337
5.126		13112	11093
5.15		5642	4610
5.194		27341	27838
5.238		4025	2460
5.273		151039	149747
5.396		318974	309354
5.536		5998	5467
5.583		16965	18027
5.737		268538	262788
5.805		397325	373818
5.854		101976	97229
5.96		2955	3949
6.112		3420	3445
6.159		164222	157473
6.319	DCB	12740220	12885120
6.765		8766	7987
6.798		2619	2536
6.943		1800	3594
8.634		2890	5121

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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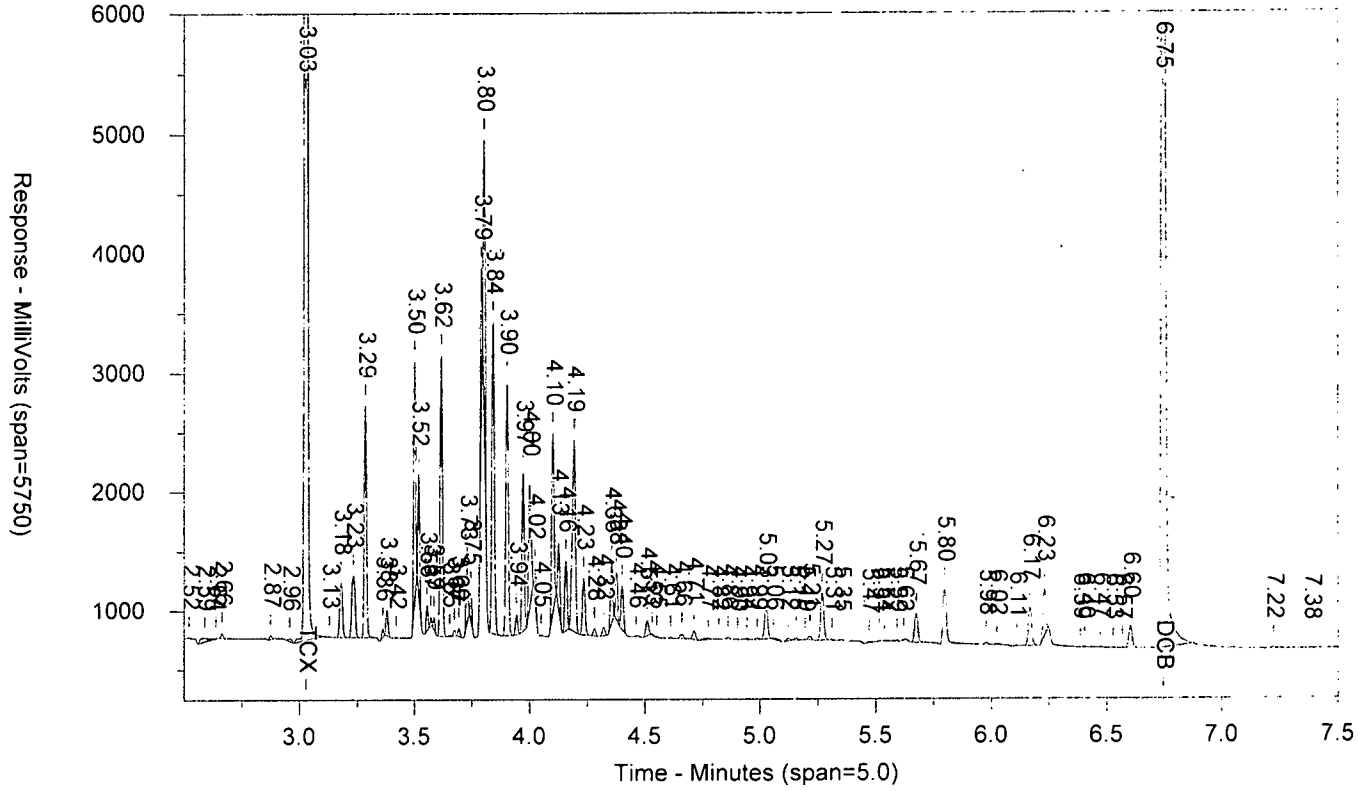

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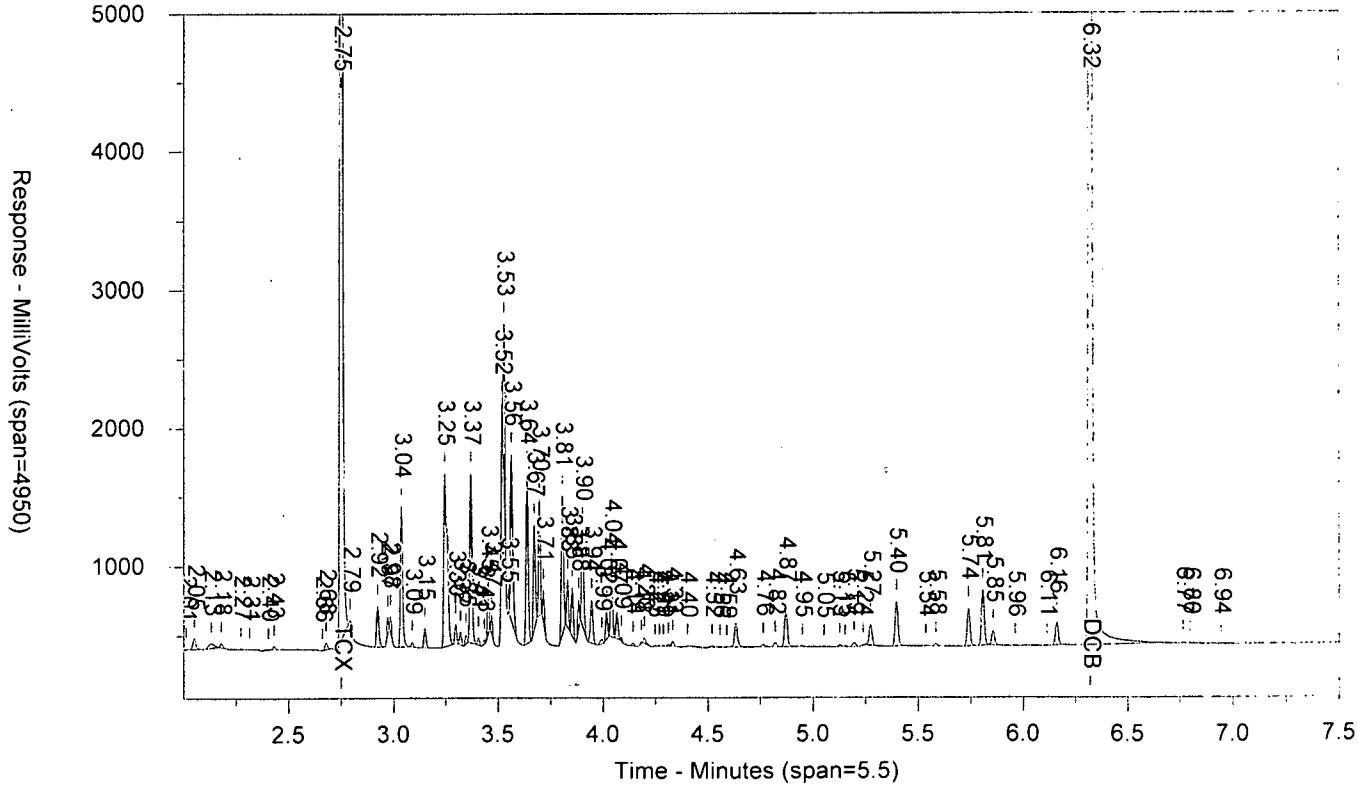

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:04:19 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	40462590	63.725	TCX	2.749	19054500	62.773	TCX
6.748	13863560	54.319	DCB	6.319	12740220	55.215	DCB

Files:
Area File: 07PCBS17292001.0030.RAW
Area File: 07PCBS17292001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:13:02 AM
File Reported On: 10/22/2017 at 1:37:32 PM

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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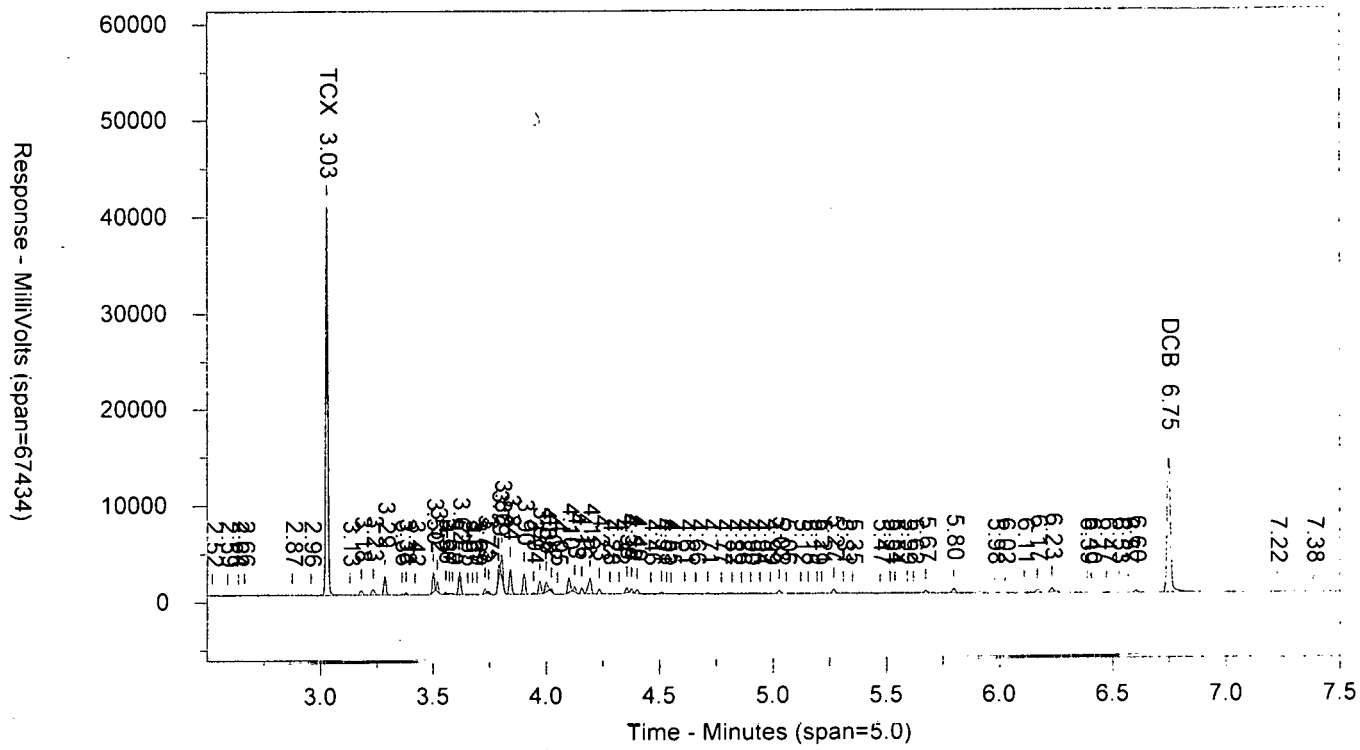

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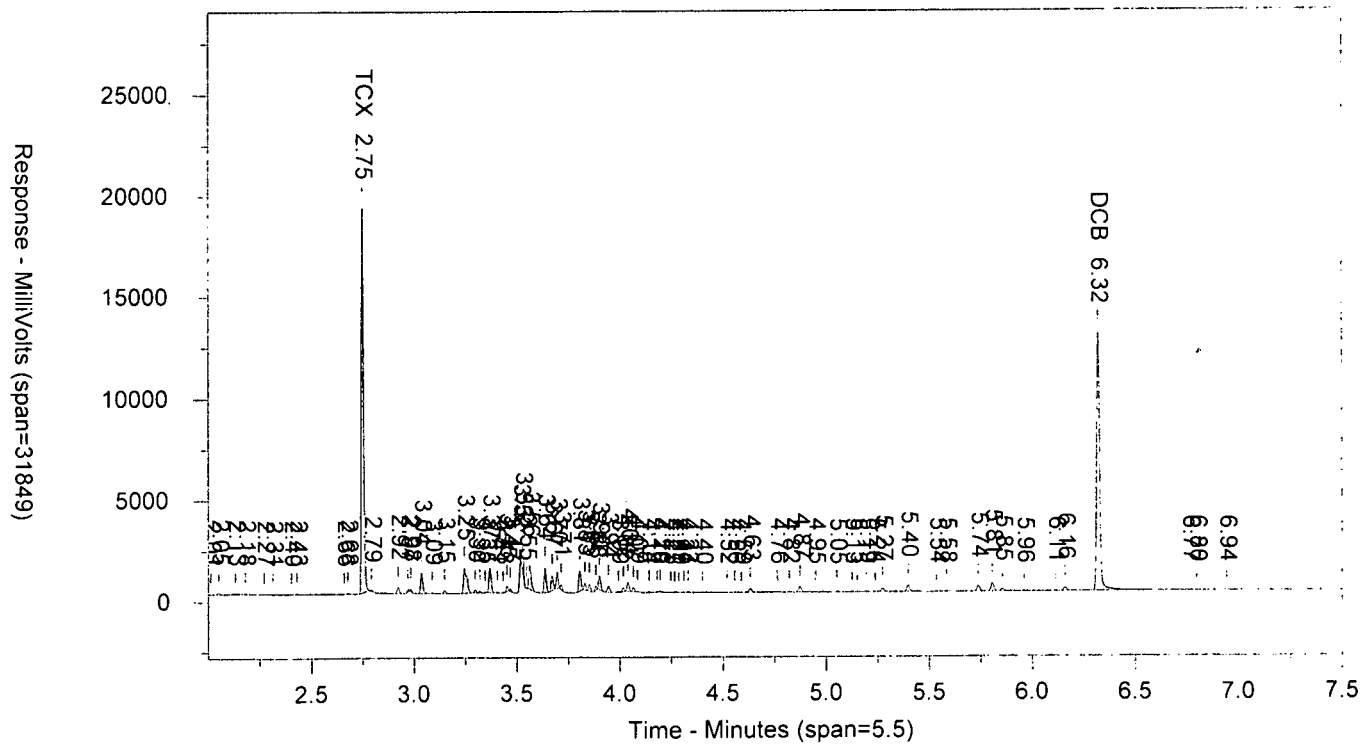

AR16XX1724B AAAR16XAA ICAL 1729199999 10225 SW-846 8082

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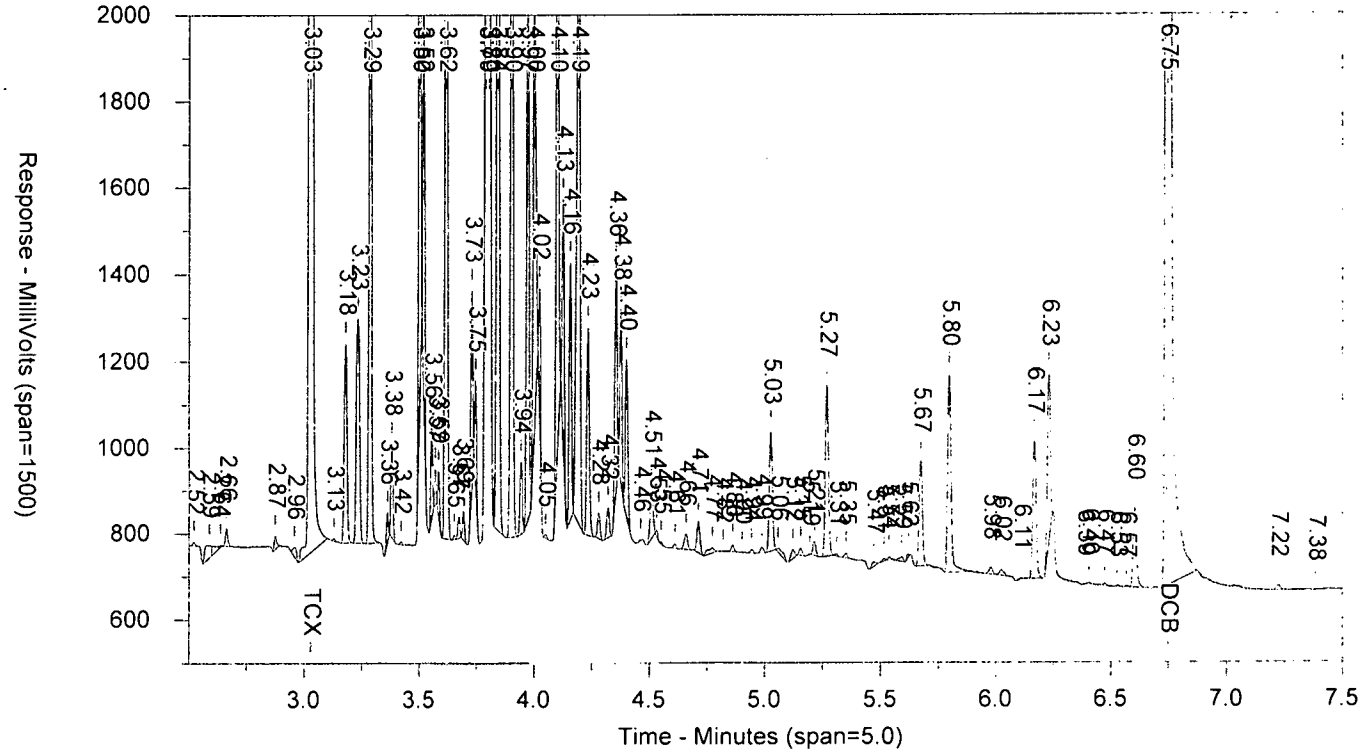

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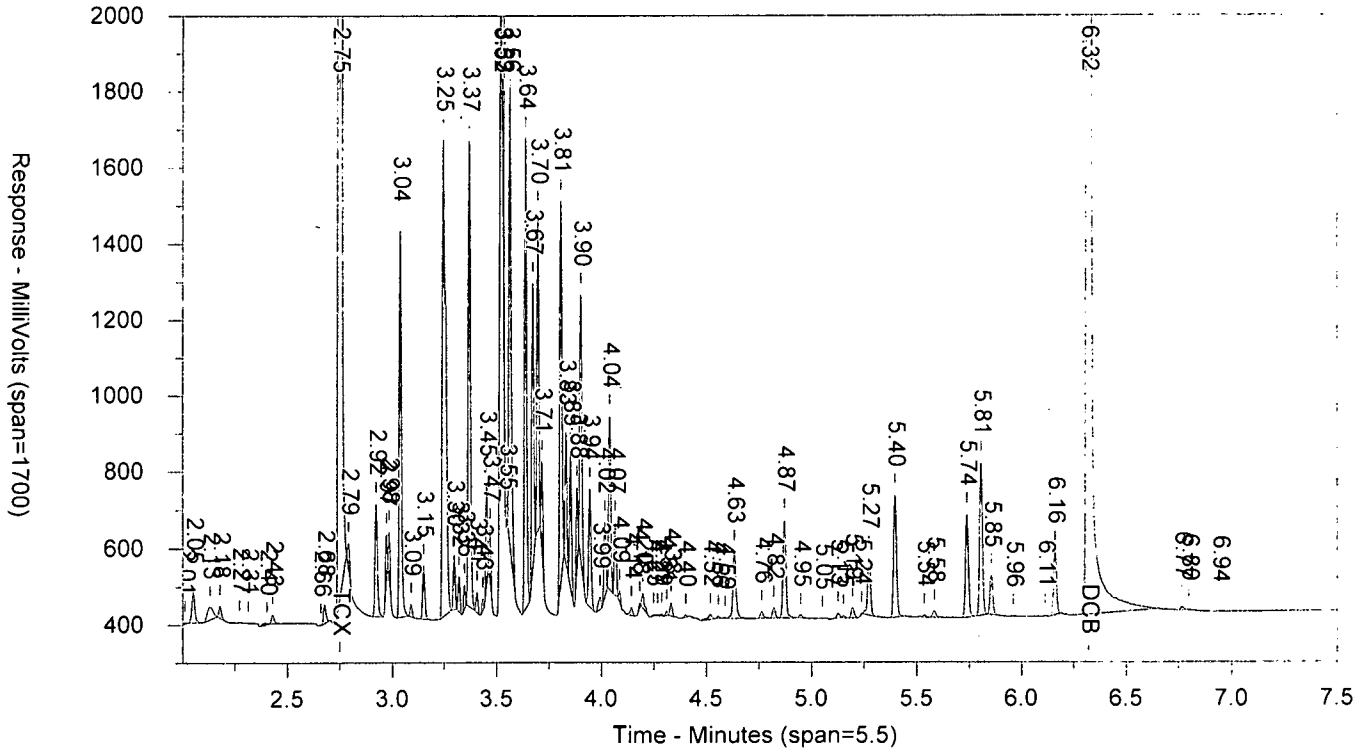

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.585		15530	65881
1.67		13889	90333
2.041		3230	1193
2.132		38924	101669
2.187		87830	231457
2.242		21253	38701
2.409		26588	16691
2.592		10813	31078
2.637		3498	2677
2.767		1582	527
2.874		32960	23605
2.959		18877	21469
3.001		6450	16811
3.028	TCX	239135	155490
3.179		13763	11022
3.237		12699	9924
3.285		55612	37759
3.38		12935	27029
3.501		57229	34946
3.518		27215	14434
3.555		4683	2547
3.586		2647	779
3.6		4903	2748
3.617		64263	41672
3.73		13677	16857
3.791		32602	17158
3.803		55957	28154
3.841		72214	55522
3.878		841	258
3.902		60819	44592
3.931		762	182
3.943		4563	3116
3.972		42018	29944
4.001		39696	60969
4.051		4860	5774
4.1		44585	32488
4.125		15997	10722
4.157		17749	12551
4.193		46178	48080
4.234		13691	11071
4.318		4251	3824
4.357		51069	43060
4.377		3188	1421
4.4		9494	5530
4.417		4527	3186
4.471		5958	5182
4.515		51525	50350
4.551		2282	1471
4.599		1380	790
4.655		19689	17996
4.711		15172	20513
4.775		28853	34691
4.822		39332	43698

RT A	Compound A	Height A	Area A
4.861		11125	8530
4.901		88841	80172
4.945		3961	3105
4.991		14325	15566
5.024		4075	3050
5.054		18108	21925
5.104		61175	48626
5.155		22042	19260
5.194		47049	52351
5.273		10662	14127
5.31		108837	101406
5.332		4307	2164
5.375		58411	51124
5.417		40079	47179
5.474		6970	9480
5.515		10283	9280
5.538		61690	54007
5.594		40720	40111
5.633		16671	13672
5.674		5148	5132
5.716		22040	20808
5.772		135886	120326
5.796		4601	4043
5.978		87031	85283
6.01		3548	2319
6.031		17099	18700
6.105		1207	741
6.163		3338	2534
6.233		1592	2192
6.248		13639	10931
6.318		1509	681
6.403		34353	35083
6.448		2103	852
6.474		4837	4075
6.6		8546	8662
6.661		1291	938
6.748	DCB	105832	105819
7.046		4694	6321
7.086		850	577
7.246		1114	395
7.269		1331	558
7.332		788	283
7.603		1235	714
7.789		1043	281
7.953		1449	851
8.006		1424	517
8.106		1466	556
8.399		1463	374
8.522		1672	800

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.637		1648	13120
1.912		5059	16737
2.009		6892	13655
2.042		20274	23781
2.129		39042	114115
2.398		3181	5927
2.658		2258	1206
2.677		54782	62181
2.749	TCX	121592	90027
2.922		8985	7143
2.983		5414	3584
3.036		34274	22152
3.148		4762	3805
3.245		43541	48168
3.298		3800	2363
3.321		20487	17146
3.369		40613	31843
3.407		3001	2981
3.451		8077	4308
3.467		6711	3551
3.527		60069	68303
3.562		35317	31039
3.637		39773	29845
3.671		26790	18063
3.696		33170	20443
3.714		5774	3114
3.805		32153	23621
3.829		11243	6365
3.851		10379	6992
3.882		11551	6675
3.901		21280	15334
3.943		10130	8172
3.989		2686	2006
4.016		4905	3144
4.039		36683	26772
4.065		5772	3479
4.105		4574	3392
4.142		30542	27334
4.195		6768	7149
4.246		6620	7172
4.285		9370	10391
4.355		7092	5499
4.4		6689	3833
4.432		27181	30657
4.459		12395	11671
4.514		70380	64836
4.556		2838	2405
4.586		4442	3287
4.611		13154	10464
4.656		75030	67470
4.763		62241	68276
4.819		7919	6952
4.858		16026	16139
4.897		69787	63707

4.93		36954	30895
4.971		23920	21062
5.046		1388	1056
5.074		7803	6362
5.127		49593	42684
5.152		5271	3155
5.201		25737	25062
5.237		11995	9573
5.265		7956	7380
5.32		104465	106160
5.396		4751	4369
5.536		23868	23500
5.582		72724	84452
5.737		3842	3087
5.805		4056	4162
5.855		12993	12911
5.959		28744	30192
6.158		8499	8796
6.319	DCB	104279	103130
6.794		3681	4694

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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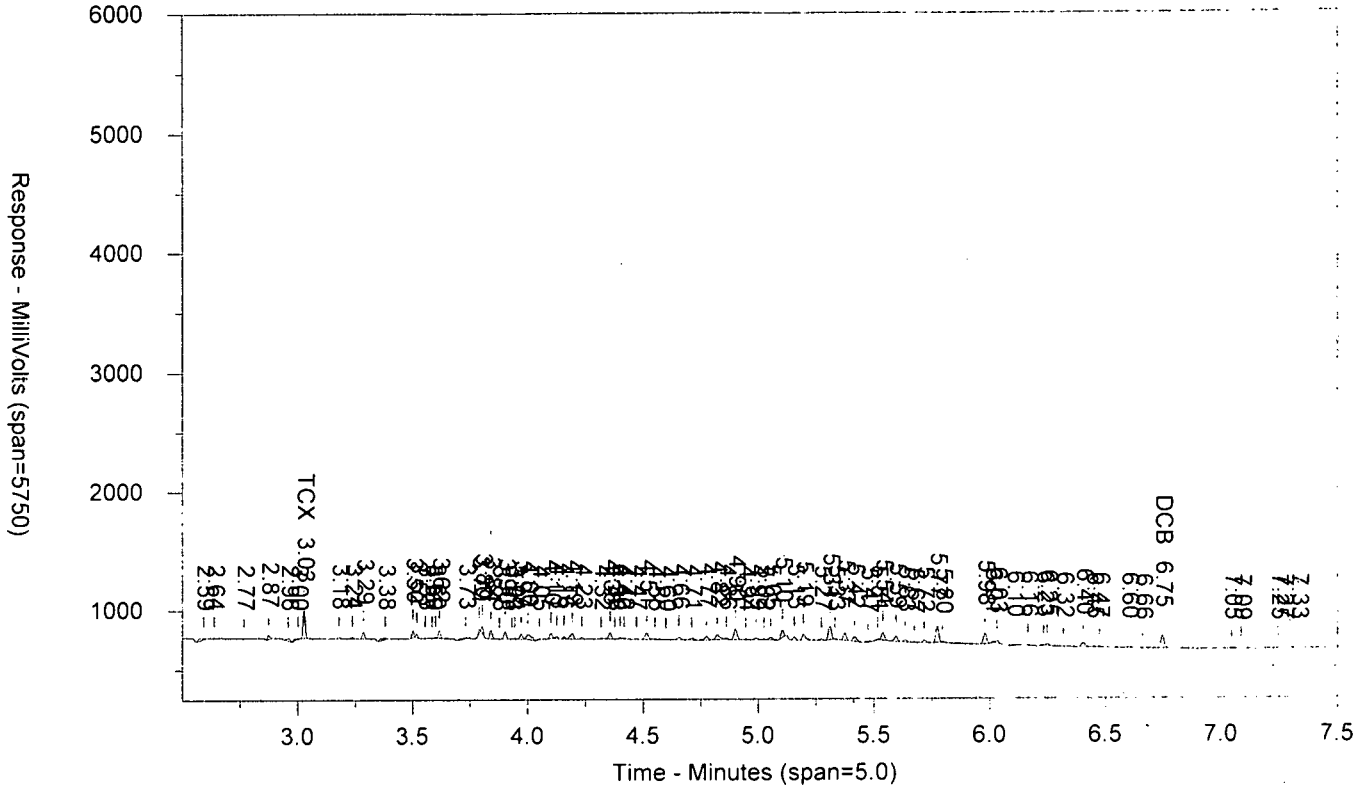

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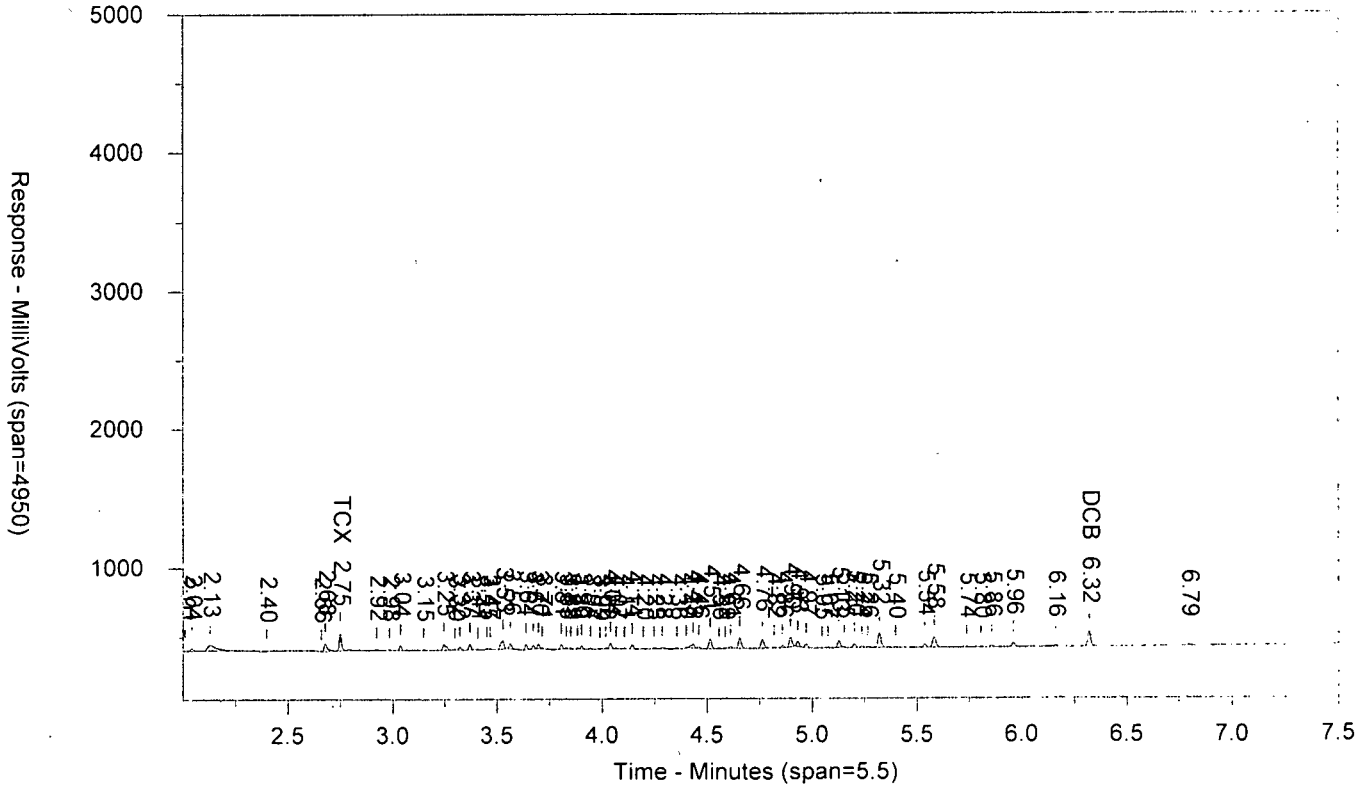

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:15:38 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	239135	.377	TCX	2.749	121592	.401	TCX
6.748	105832	.415	DCB	6.319	104279	.452	DCB

Files:
Area File: 07PCBS17292001.0031.RAW
Area File: 07PCBS17292001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:24:21 AM
File Reported On: 10/22/2017 at 1:37:42 PM

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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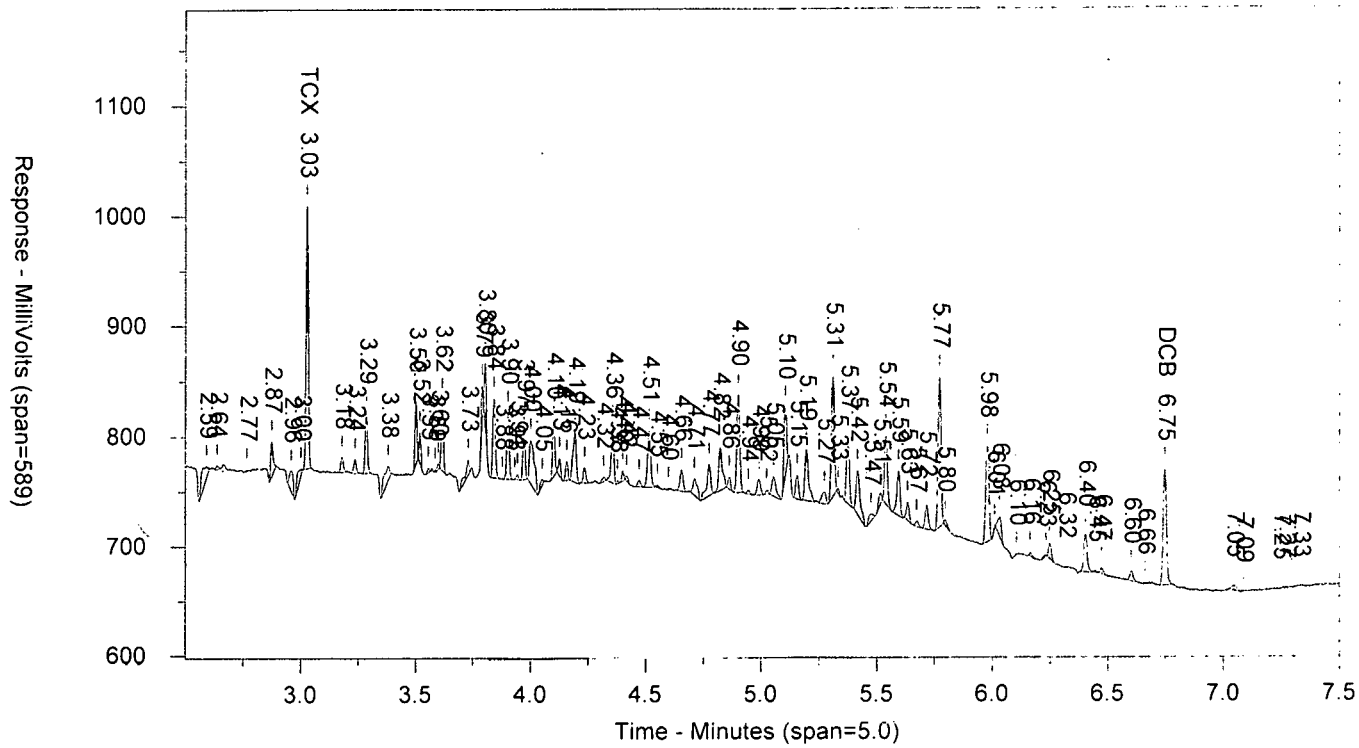

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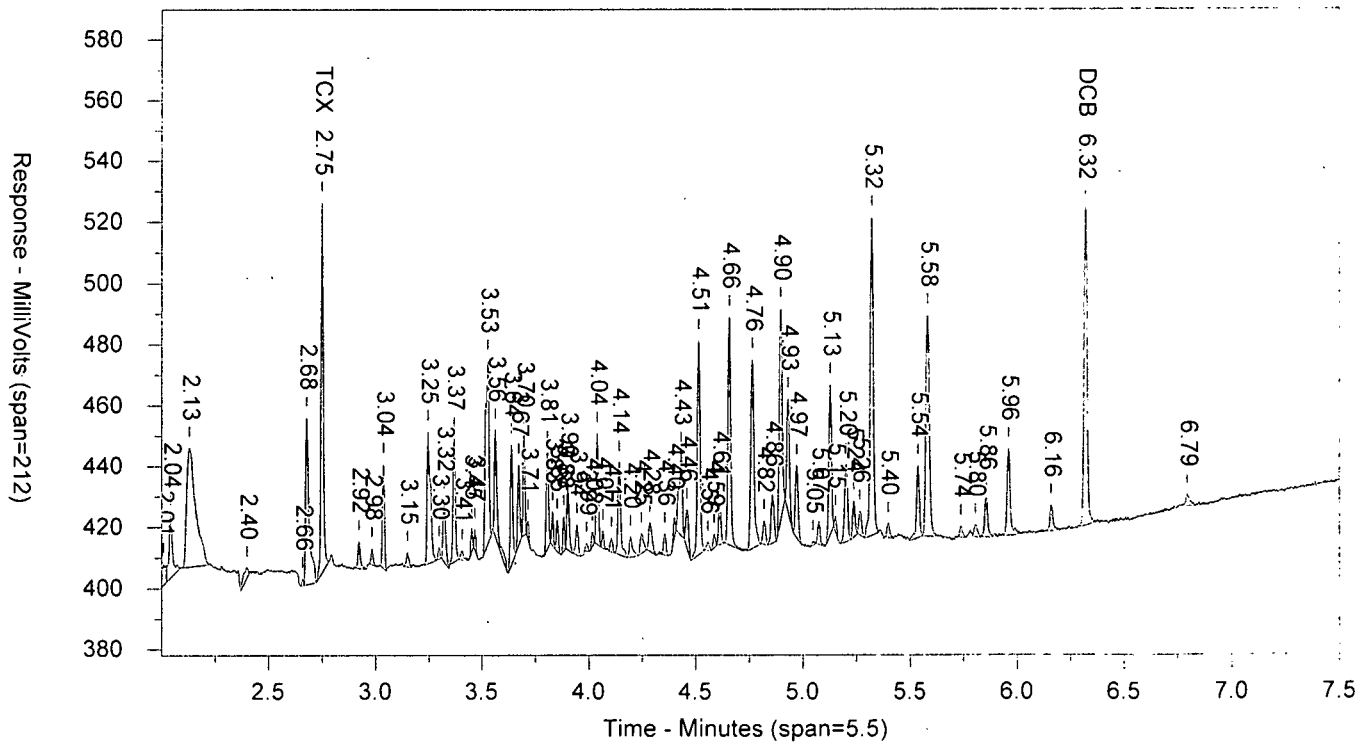

MD16X1724B AAMD16XAA ICAL 1729199999 10225 SW-846 8082

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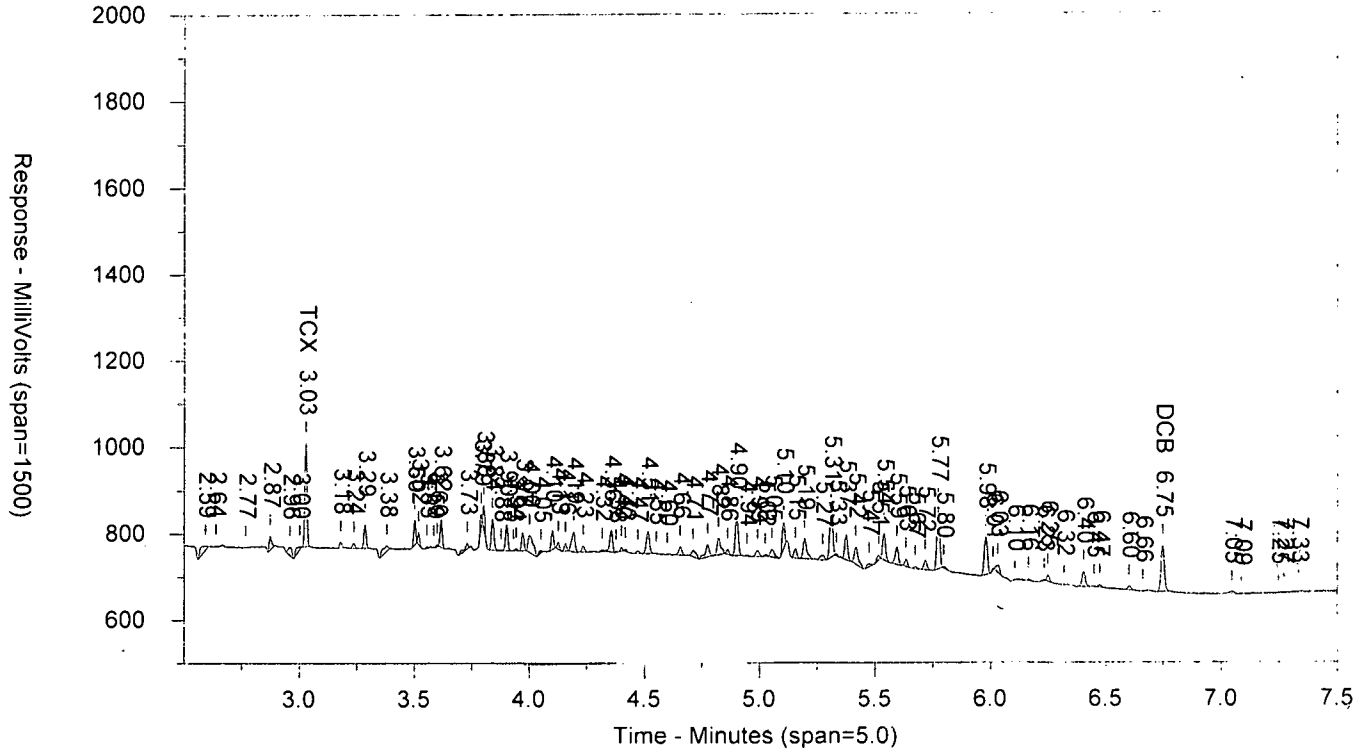

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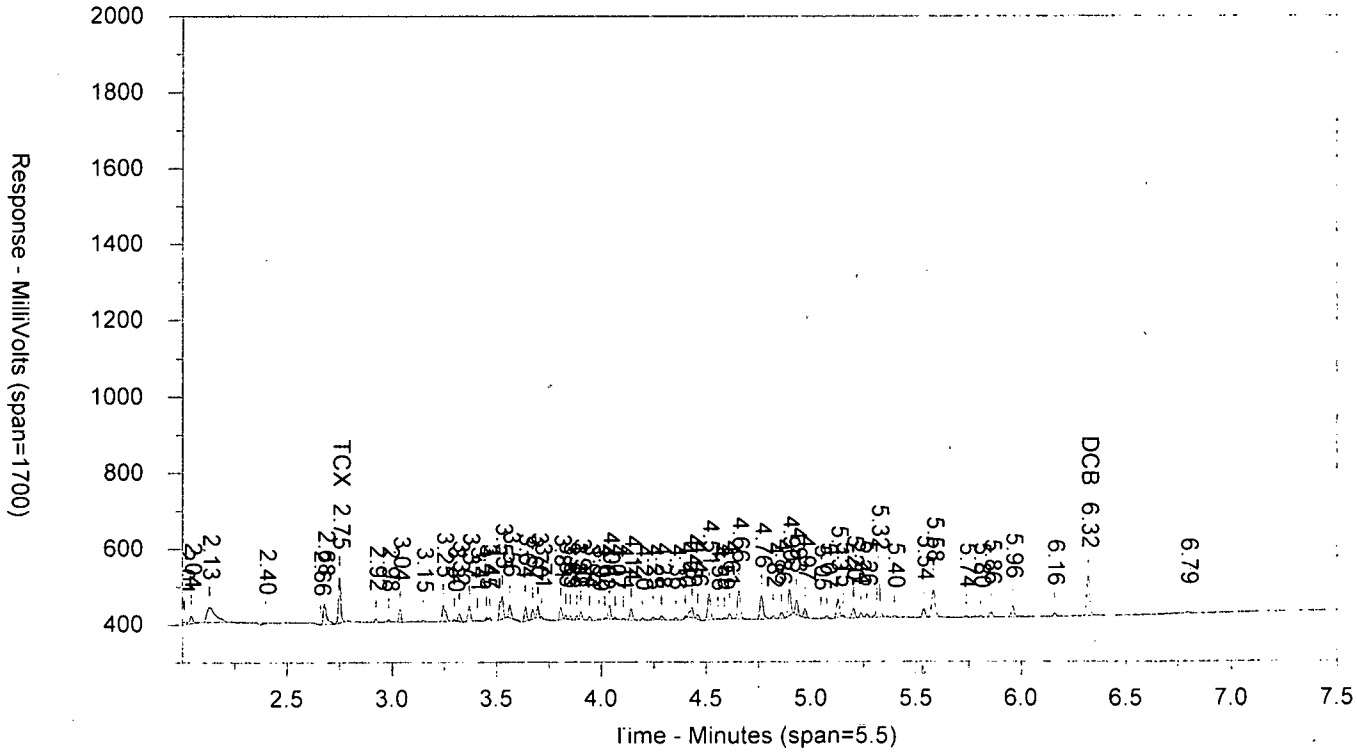

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.588		1563	631
1.667		5986	64681
1.947		1739	1267
2.124		40448	87599
2.184		106477	289637
2.243		41007	90169
2.316		128995	143461
2.41		35311	28464
2.427		52487	43453
2.468		4992	4019
2.522		6161	3726
2.59		7437	22423
2.664		45981	32205
2.875		40964	31031
2.963		13955	12391
2.993		9286	10540
3.029	TCX	27397870	17528530
3.129		4715	2833
3.18		518339	429743
3.236		474439	462395
3.285		2118238	1428723
3.361		46307	25587
3.38		261505	168200
3.418		7372	5265
3.502		2273221	1339043
3.519		1093347	594114
3.556		231463	131214
3.571		114596	50493
3.585		105370	49608
3.617		2734520	1887895
3.653		10919	5707
3.674		35161	22308
3.693		138962	89305
3.73		485914	293034
3.746		258430	131755
3.791		1475771	754663
3.803		2537677	1320561
3.842		3015780	2242600
3.902		2485030	1837050
3.944		201814	139813
3.972		1617017	1159230
4.001		1176121	1136983
4.023		236706	112470
4.101		1768436	1247498
4.125		571277	368863
4.157		628584	455146
4.193		1433049	1569823
4.234		414018	319492
4.266		6188	2678
4.281		36112	22965
4.32		114227	79789
4.357		1369772	1075724
4.377		174936	93127

RT A	Compound A	Height A	Area A
4.401		222534	168876
4.472		192594	165467
4.516		1597596	1449840
4.551		66126	45796
4.613		44448	39306
4.656		646488	634100
4.713		184472	119624
4.729		334549	218584
4.775		855942	741096
4.823		1484564	1609296
4.861		396733	290537
4.901		3467093	3116789
4.945		129458	110350
4.99		452685	461179
5.026		230046	176845
5.051		475146	393898
5.104		2753539	2164990
5.12		294016	177870
5.156		784316	685657
5.196		1842379	1970737
5.237		32535	19084
5.272		518820	623628
5.31		4345473	3885685
5.332		163312	78641
5.35		107510	48789
5.374		2198830	1917636
5.417		1387085	1275978
5.468		6929	6544
5.514		375378	300814
5.537		2405418	2067582
5.595		1202342	1060453
5.634		647145	599621
5.674		285397	272701
5.717		774470	726591
5.773		5178796	4700915
5.796		152860	87575
5.979		3400947	3170869
6.012		84024	76179
6.031		530583	602247
6.125		3067	1425
6.167		326608	317621
6.23		194866	154546
6.249		450390	344057
6.403		1247096	1196790
6.448		64618	54118
6.603		525773	514614
6.692		2617	2207
6.749	DCB	10032940	10102240
7.222		7911	9695
7.377		1561	1334
7.474		2010	757
7.753		1191	690
7.884		2118	1215
8.047		1762	741
8.149		954	472
8.185		1460	1778
8.332		1068	931
8.381		1196	330
8.637		1450	1102

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.633		2372	13541
1.908		5492	15101
2.017		4866	11402
2.05		60991	67261
2.13		36417	73789
2.179		21928	17586
2.273		3058	3074
2.396		3980	6196
2.43		27340	22352
2.659		3240	1758
2.677		68795	58693
2.749	TCX	12849090	9008871
2.791		88417	63350
2.922		322382	255574
2.97		67411	35187
2.983		155858	86426
3.036		1114852	811763
3.087		23726	15267
3.149		165257	125890
3.245		1413603	1618652
3.297		153529	102215
3.319		118811	74654
3.346		66372	38452
3.369		1394702	1052731
3.405		89454	58048
3.433		19326	9228
3.451		283521	163144
3.467		147865	76721
3.518		523510	281255
3.527		1273314	603643
3.562		1373884	1108862
3.637		1378002	998293
3.671		903123	608692
3.696		1118305	689738
3.714		229270	118009
3.805		1141528	847236
3.829		368437	216524
3.851		359997	242334
3.882		299326	175923
3.9		615391	409724
3.944		264177	211830
3.991		111312	120389
4.017		71052	48508
4.039		912213	689830
4.065		97972	59918
4.086		19033	8984
4.105		114670	80233
4.141		923601	747797
4.179		42643	27636
4.195		99412	67932
4.243		6024	3600
4.265		8813	6231
4.284		326982	351071
4.33		35823	22048

4.354		229966	182118
4.401		227905	148627
4.432		851229	883003
4.459		387408	395627
4.514		2308920	2020646
4.557		95963	80144
4.586		135678	95829
4.611		432160	325188
4.632		41479	18698
4.655		2513644	2145696
4.764		2245433	2290737
4.821		290633	267515
4.86		546692	566591
4.897		2450360	2208238
4.931		1212335	1002568
4.97		834825	721817
5.075		299524	327633
5.127		1746603	1474592
5.151		151224	95168
5.202		913646	873823
5.237		404058	333302
5.267		311852	307091
5.299		33972	23248
5.32		3990839	3611652
5.361		61562	45360
5.396		343053	318439
5.513		30161	19467
5.536		785663	706869
5.581		2686448	3097456
5.738		260621	250116
5.78		48651	36593
5.806		303111	271053
5.855		483083	480915
5.959		974098	909001
5.99		42638	30612
6.159		463910	471207
6.32	DCB	8954537	8812967
6.764		5777	5499

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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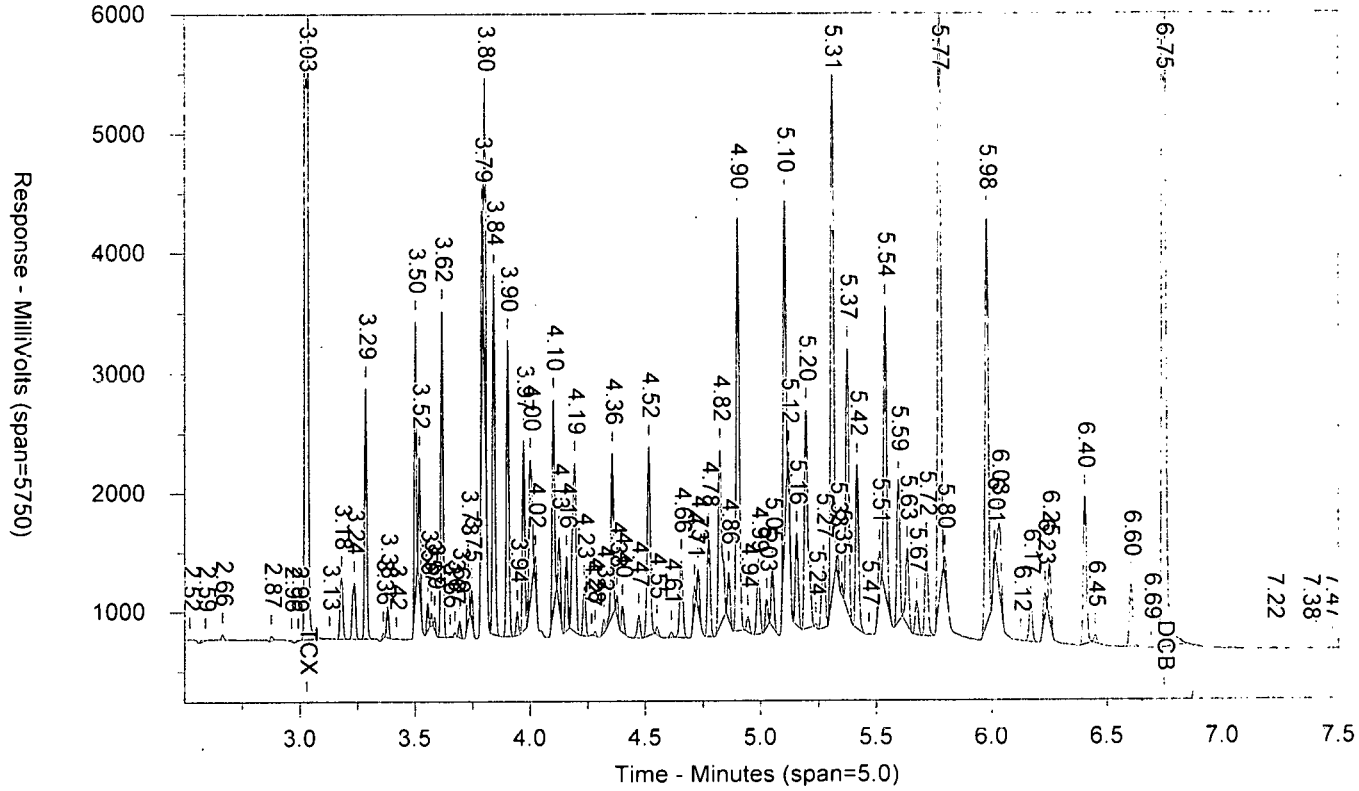

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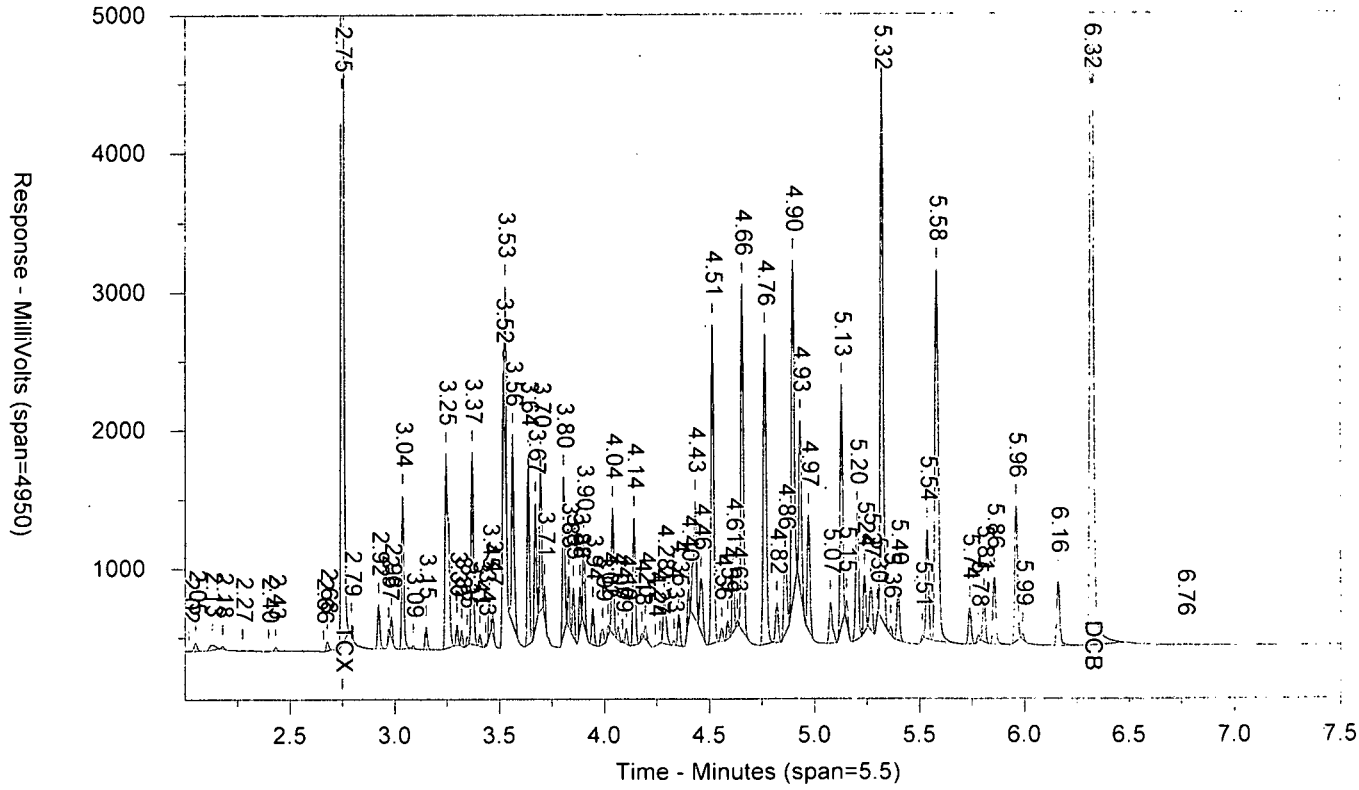

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:27:08 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	27397870	43.149	TCX	2.749	12849090	42.33	TCX
6.749	10032940	39.31	DCB	6.32	8954537	38.808	DCB

Files:
Area File: 07PCBS17292001.0032.RAW
Area File: 07PCBS17292001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:35:47 AM
File Reported On: 10/22/2017 at 1:37:52 PM

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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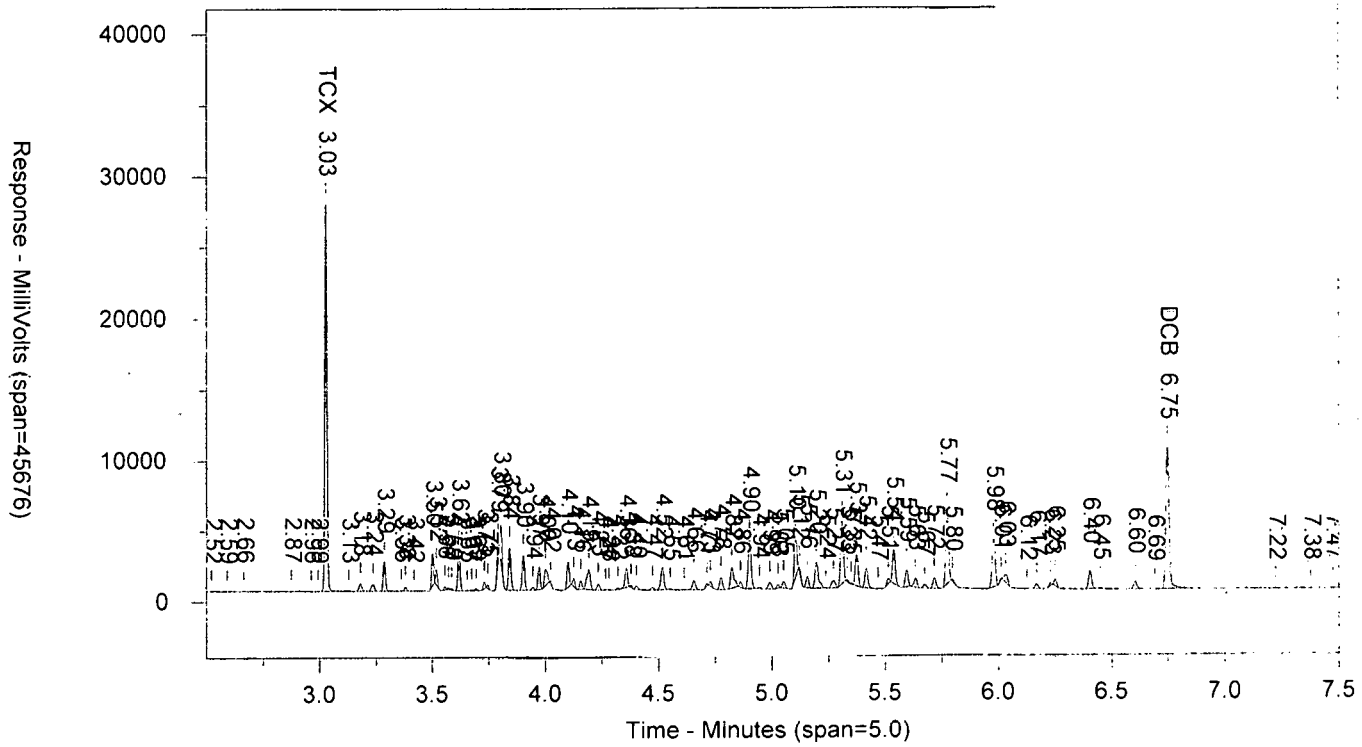

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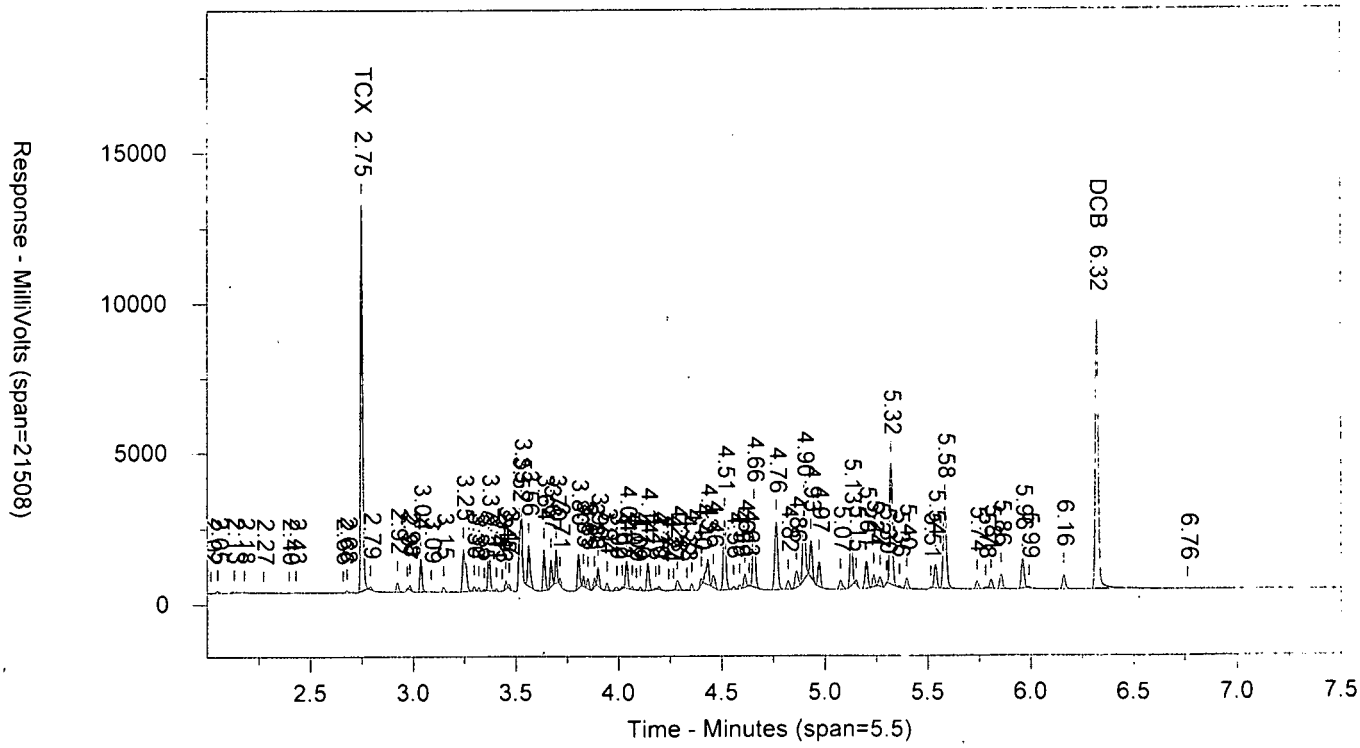

IC16X1724C AAIC16XAA CCAL 1729199999 10225 SW-846 8082

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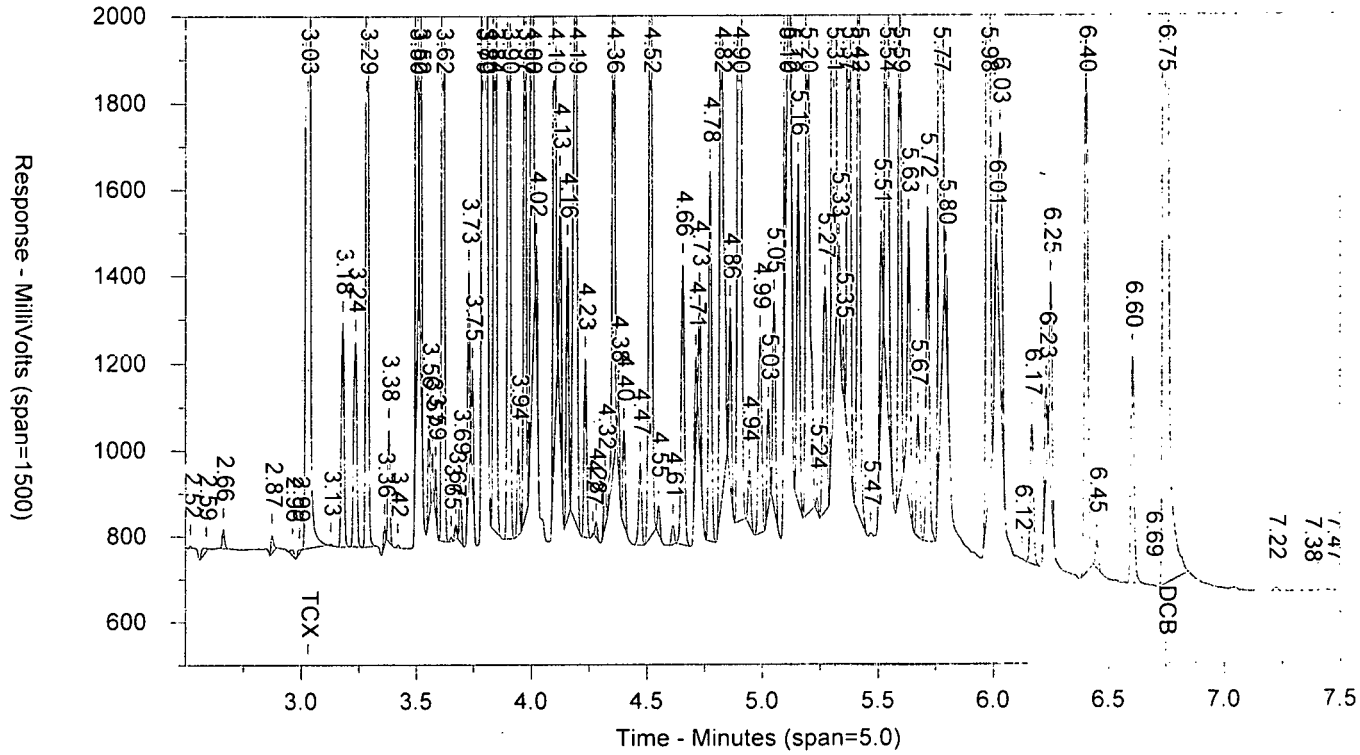

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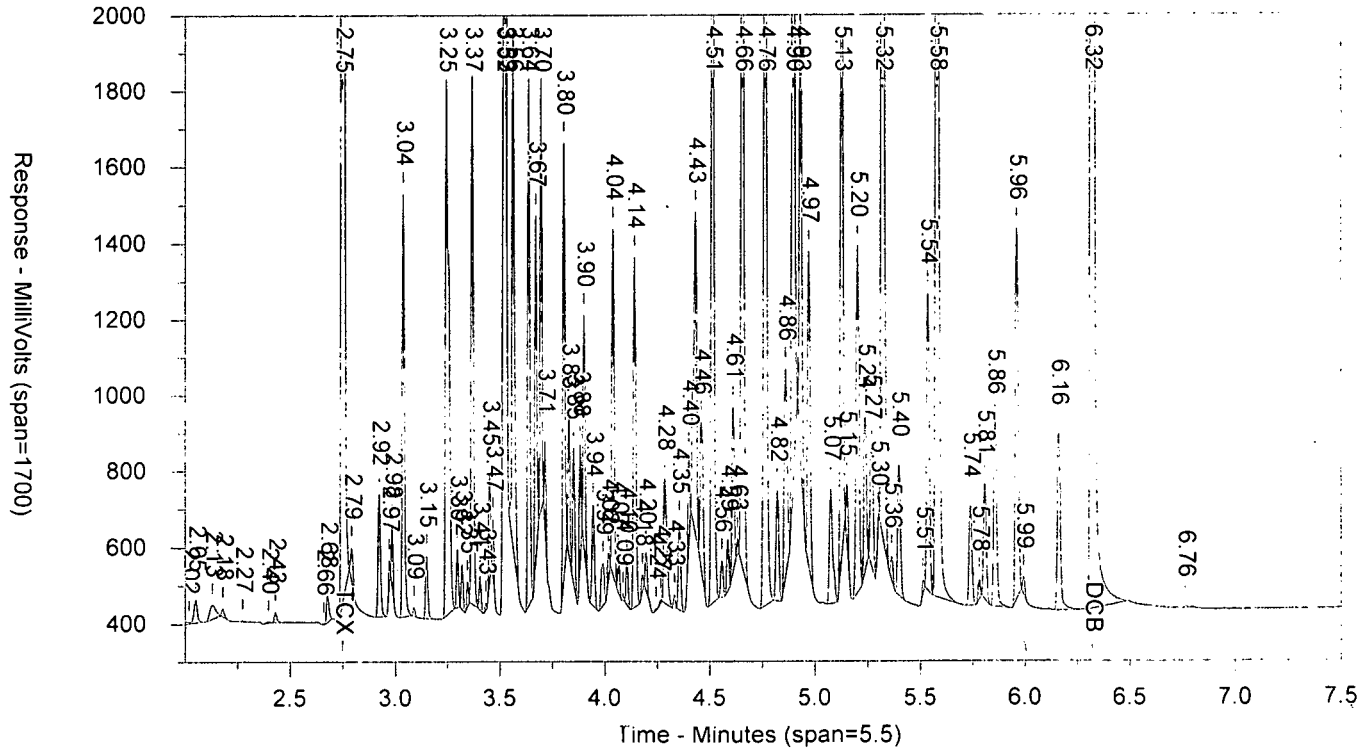

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.546		1872	828
1.589		25264	68730
1.643		26274	36082
1.728		3180	1868
1.954		2857	2319
2.056		1656	1331
2.128		35657	70138
2.186		171552	548579
2.316		123534	131507
2.41		30542	22982
2.427		47798	34665
2.522		6026	4153
2.576		9741	10094
2.642		1716	1106
2.663		17924	13690
2.875		70896	74452
2.958		24301	29726
2.998		6044	11246
3.029	TCX	26242920	16958640
3.129		4069	2244
3.182		213415	176826
3.23		302935	230744
3.286		407975	276740
3.362		46122	27691
3.38		72958	44460
3.422		4306	2525
3.503		1075975	638775
3.52		359339	191172
3.557		58159	31326
3.573		90876	52758
3.619		1029902	735206
3.653		4080	1681
3.675		30432	19211
3.694		165790	106318
3.73		172367	104412
3.746		54560	26995
3.792		917778	487352
3.804		929793	458083
3.843		1545735	1207306
3.903		1250745	941215
3.945		194890	132616
3.973		2205597	1547292
4.001		1394935	1161881
4.023		406912	207751
4.05		13641	9193
4.102		2407494	1761737
4.127		698978	463070
4.158		886340	639978
4.194		2083412	1971867
4.236		669613	523279
4.283		74865	63528
4.323		181271	143440
4.358		1791036	1230809

RT A	Compound A	Height A	Area A
4.378		2010844	1312073
4.402		2502202	1857178
4.473		186600	183042
4.511		2004884	1671527
4.533		587749	313560
4.552		395551	246295
4.594		27579	18578
4.617		102646	82378
4.66		600836	531402
4.713		889387	771949
4.746		471802	356043
4.775		1454798	1256977
4.824		13798	9406
4.861		529278	480834
4.903		95231	117086
4.951		129487	114873
4.994		936802	839517
5.028		189508	155354
5.075		93392	113379
5.107		23687	17693
5.122		65474	45557
5.156		13809	11716
5.194		950969	891447
5.24		18194	11489
5.268		284235	277065
5.311		215241	182066
5.333		12308	5744
5.351		22262	14392
5.374		6168	4157
5.418		16470	33936
5.477		5612	13281
5.519		76971	62699
5.539		10585	6304
5.593		14118	12447
5.62		7301	4252
5.633		6541	4608
5.675		171928	164402
5.716		43471	37019
5.74		7901	6255
5.769		9751	5511
5.798		332267	341966
5.979		32382	33034
6.024		14323	53089
6.112		5716	11020
6.167		234477	233380
6.232		351842	440553
6.342		3446	6902
6.403		11247	18245
6.525		3303	2959
6.571		2822	1796
6.604		144316	153666
6.662		3126	3881
6.749	DCB	9368870	9481997
6.913		1811	1206
7.221		7611	8886
7.272		1254	576
7.299		1701	370
7.434		1038	328
7.522		1134	583
7.611		1558	468
7.63		1093	327
7.743		1335	444
7.794		1427	423
7.82		1189	735
7.927		1327	1500
8.076		1365	455

RT A	Compound A	Height A	Area A
8.176		2060	349
8.251		987	558
8.319		1251	448
8.388		852	424
8.48		1077	720
8.569		1474	404

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.521		2793	2578
1.548		5327	6158
1.617		2053	6369
1.748		1270	1925
1.918		3050	11141
2.025		934	6849
2.05		56799	56844
2.13		70010	142325
2.179		21434	17305
2.395		4504	6433
2.43		9213	7981
2.658		5603	3641
2.677		112731	127560
2.749	TCX	12446930	9041738
2.922		137408	106950
2.97		144302	128763
3.037		229051	167047
3.088		23710	14733
3.149		50551	38339
3.246		679204	732590
3.298		44689	27082
3.32		79013	55840
3.37		564836	440898
3.406		113178	75981
3.434		21771	11506
3.453		95886	54701
3.468		32895	15614
3.519		397208	191751
3.528		445275	202501
3.548		68564	25810
3.563		652153	493765
3.638		735278	528070
3.672		1204894	826486
3.696		1116538	686746
3.715		317327	165292
3.805		1510481	1110992
3.83		431567	253598
3.852		490504	337833
3.883		238430	131722
3.901		908946	640205
3.945		418040	339685
3.993		77571	69911
4.017		747360	499594
4.04		1944159	1395800
4.066		1375736	912617
4.086		70925	33336
4.105		77404	47269
4.143		592490	473969
4.181		849893	763138
4.211		473819	290886
4.26		73491	56957
4.296		360727	327926
4.331		17136	10196
4.356		599626	501344

4.39		340945	252468
4.419		927350	769674
4.518		375646	406477
4.554		87235	70262
4.587		602482	543848
4.633		95254	70591
4.656		48221	32318
4.684		42132	34661
4.762		90805	96260
4.816		571429	542976
4.871		165681	140735
4.898		132887	123123
4.948		20091	14687
5.092		7277	6142
5.127		12951	10139
5.152		58280	50787
5.196		20581	23915
5.24		3637	2621
5.274		98051	83871
5.299		15650	9720
5.32		10225	8099
5.397		223062	210679
5.511		1972	1101
5.536		8559	7656
5.582		28544	31288
5.739		193540	187313
5.806		291278	270126
5.855		72248	67821
5.959		6596	6689
6.16		130693	129131
6.281		2177	1285
6.32	DCB	8231551	8407923
6.765		5796	4576
7.888		1191	5290

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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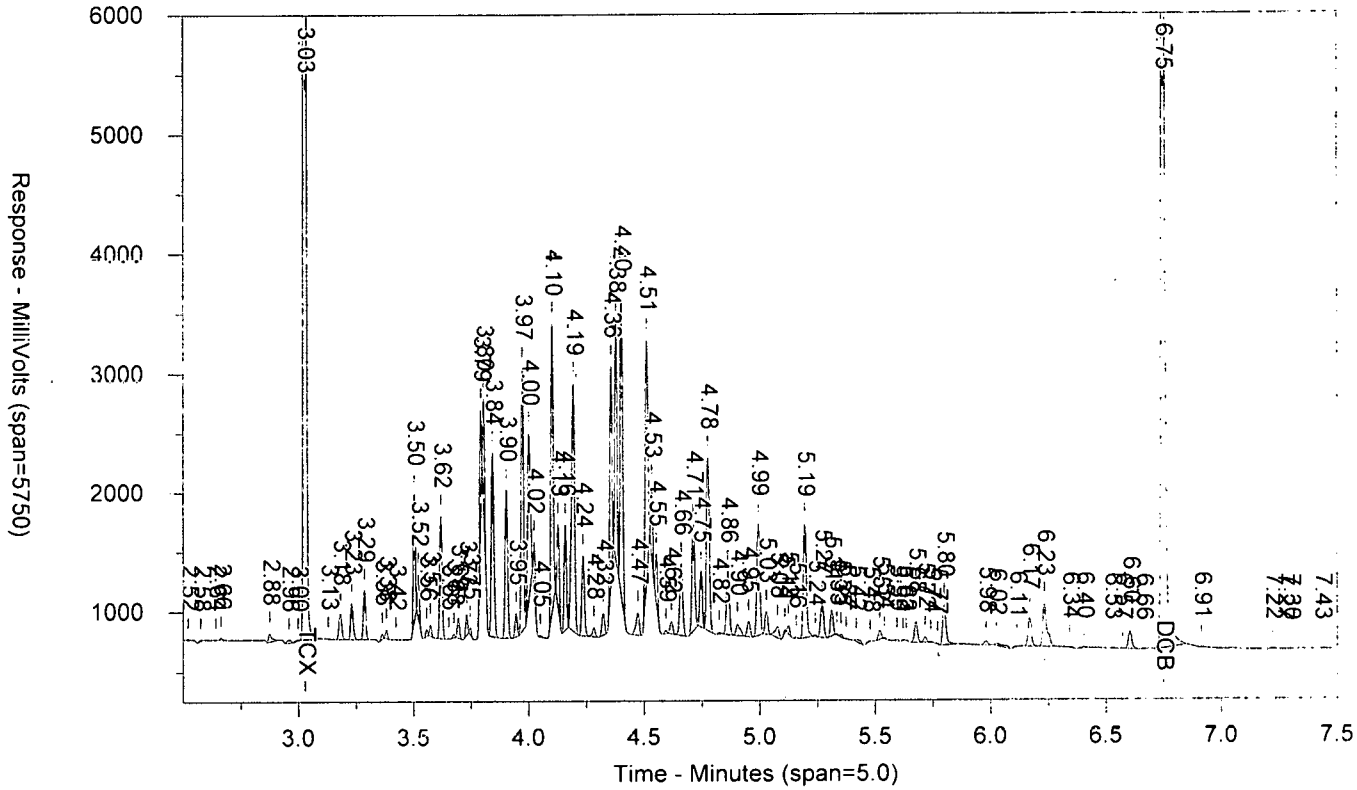

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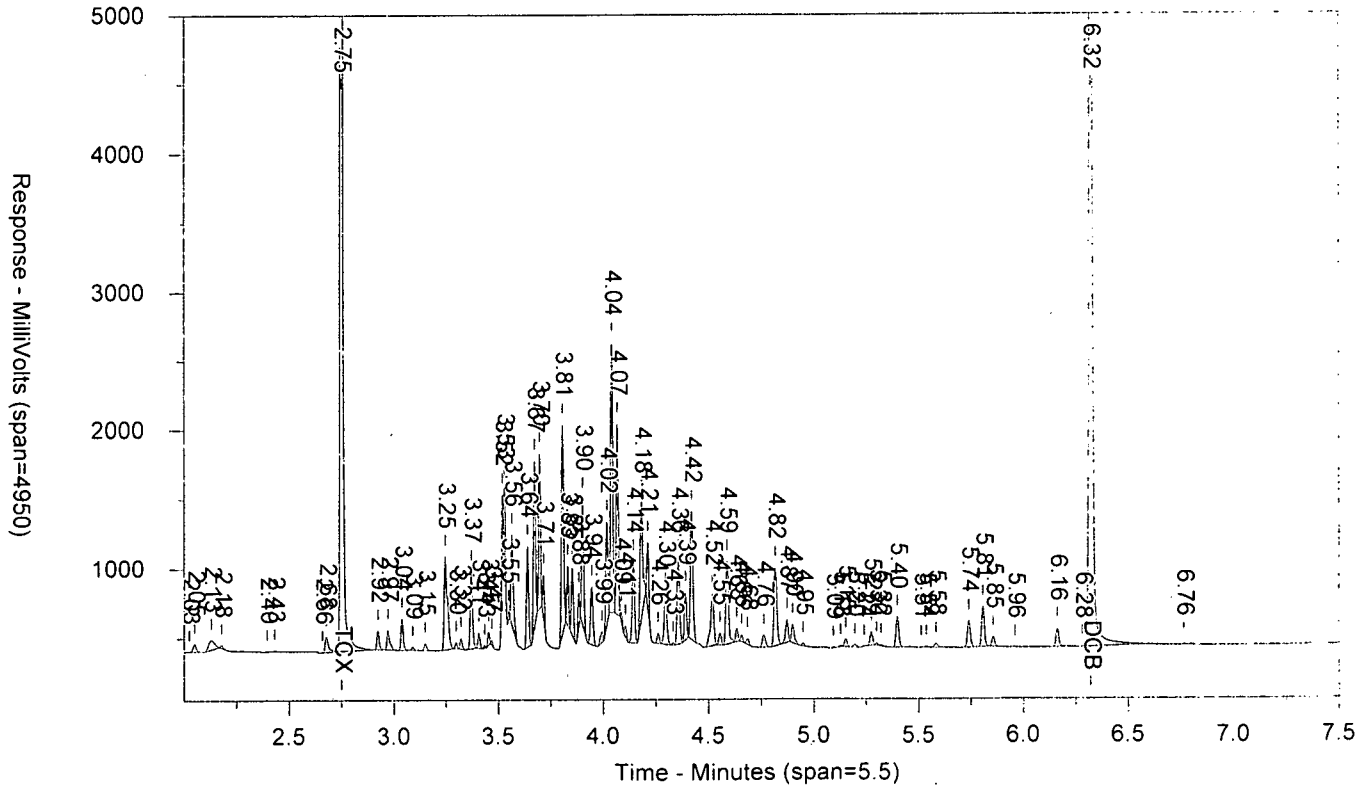

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:38:32 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	26242920	41.33	TCX	2.749	12446930	41.005	TCX
6.749	9368870	36.708	DCB	6.32	8231551	35.675	DCB

Files:
Area File: 07PCBS17292001.0033.RAW
Area File: 07PCBS17292001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:47:14 AM
File Reported On: 10/22/2017 at 1:38:02 PM

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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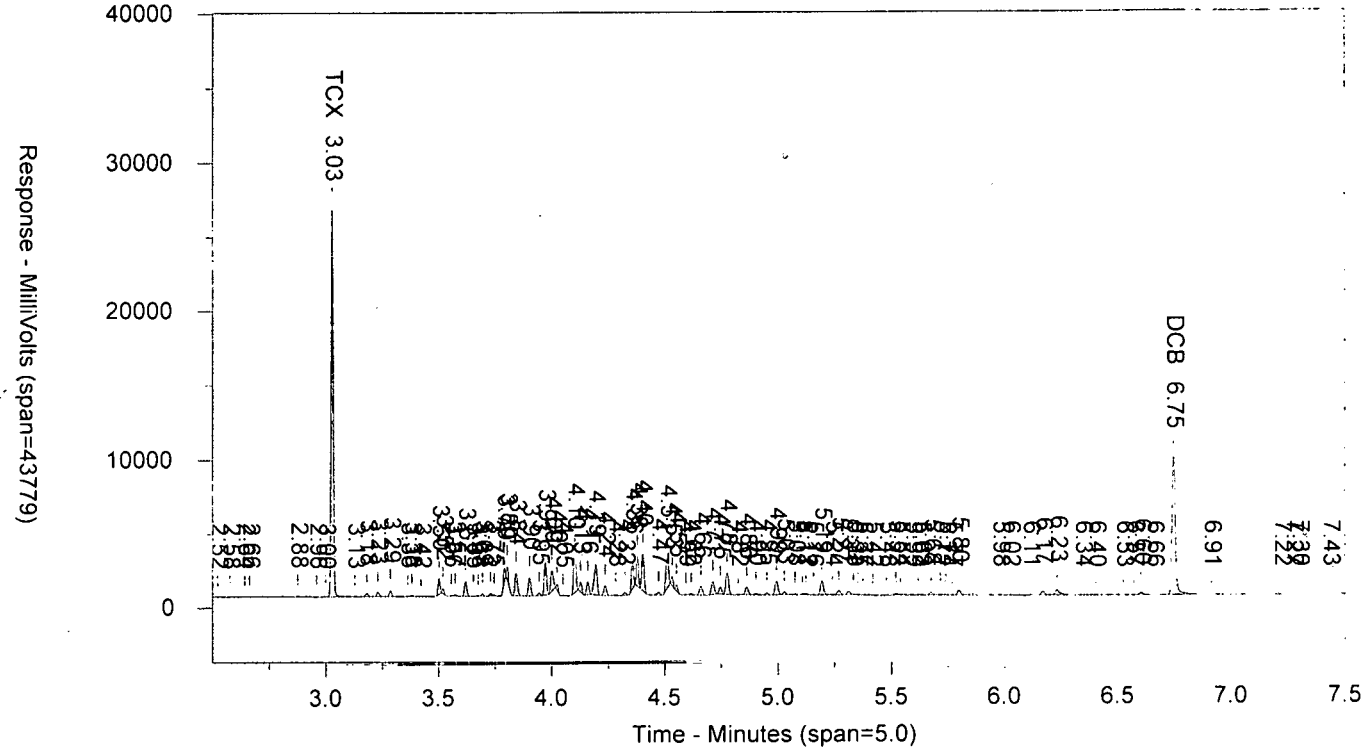

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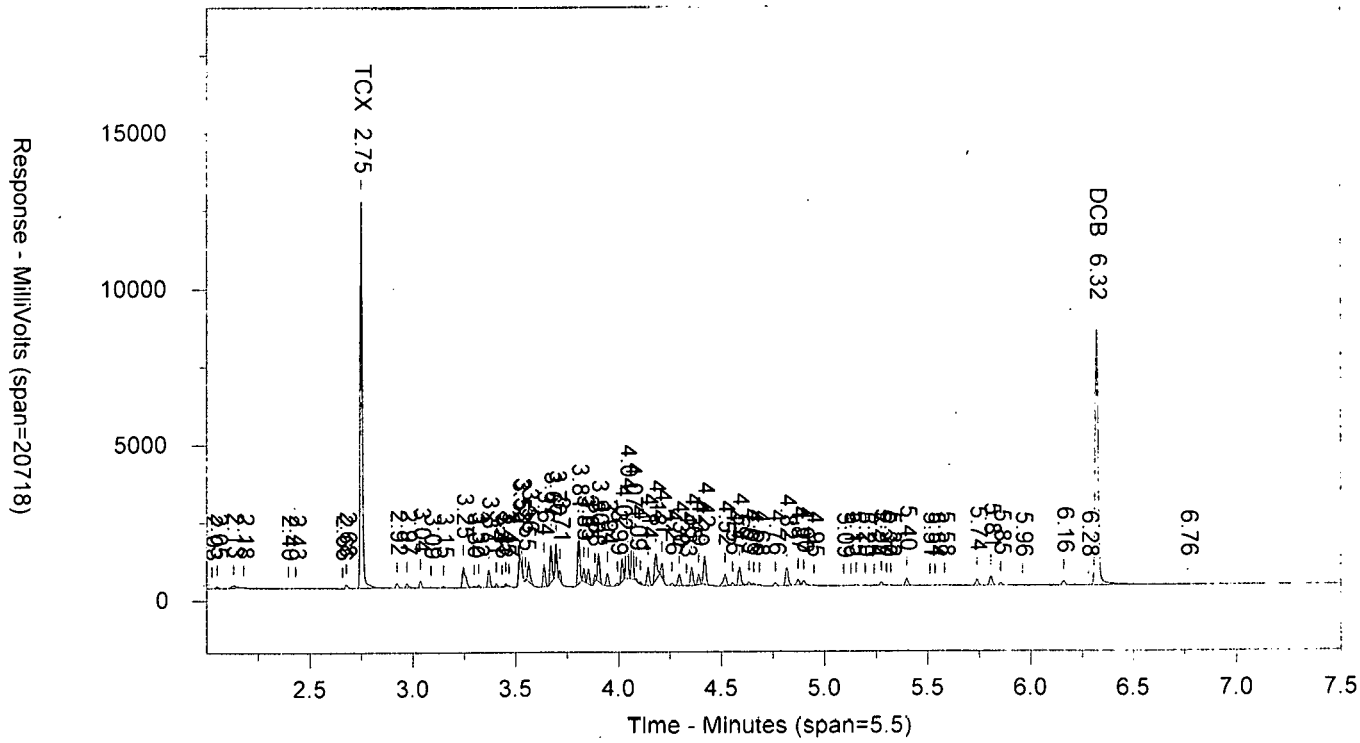

IC48X1724B AAIC48XAA CCAL 1729199999 10225 SW-846 8082

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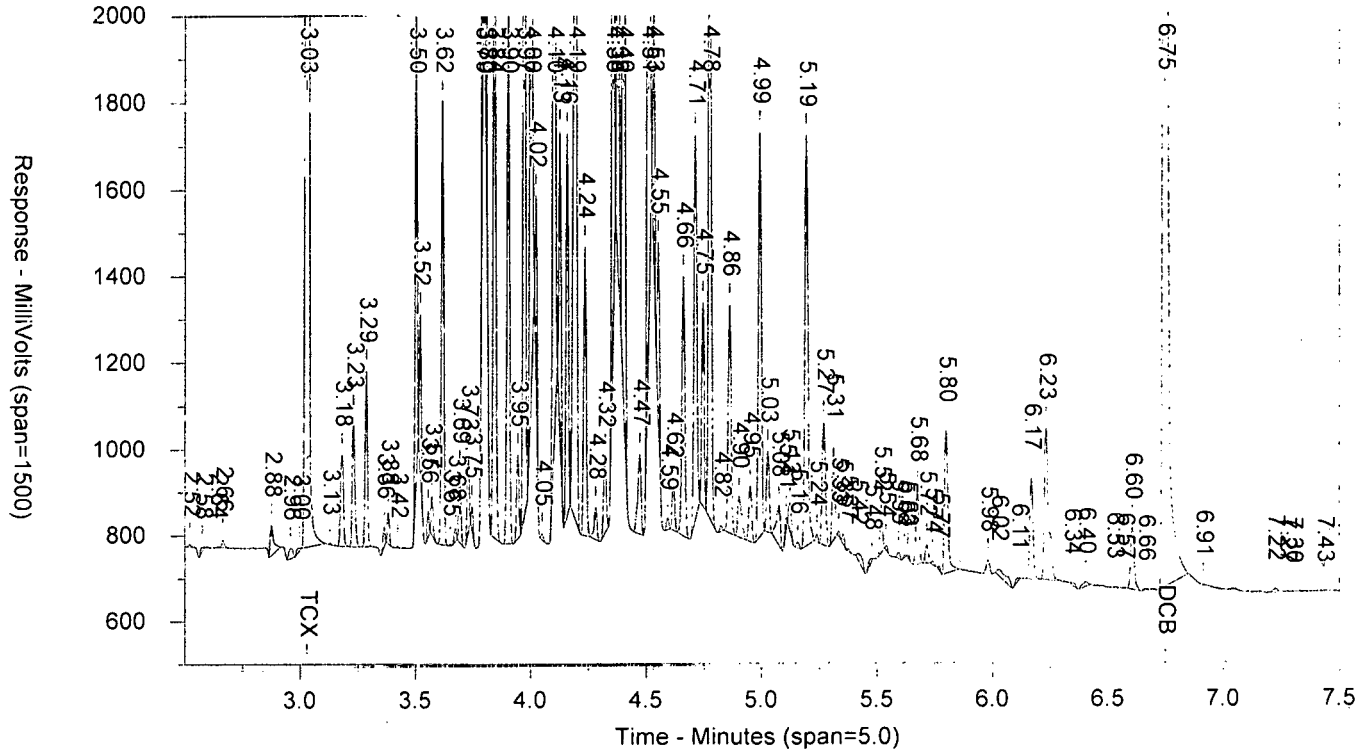

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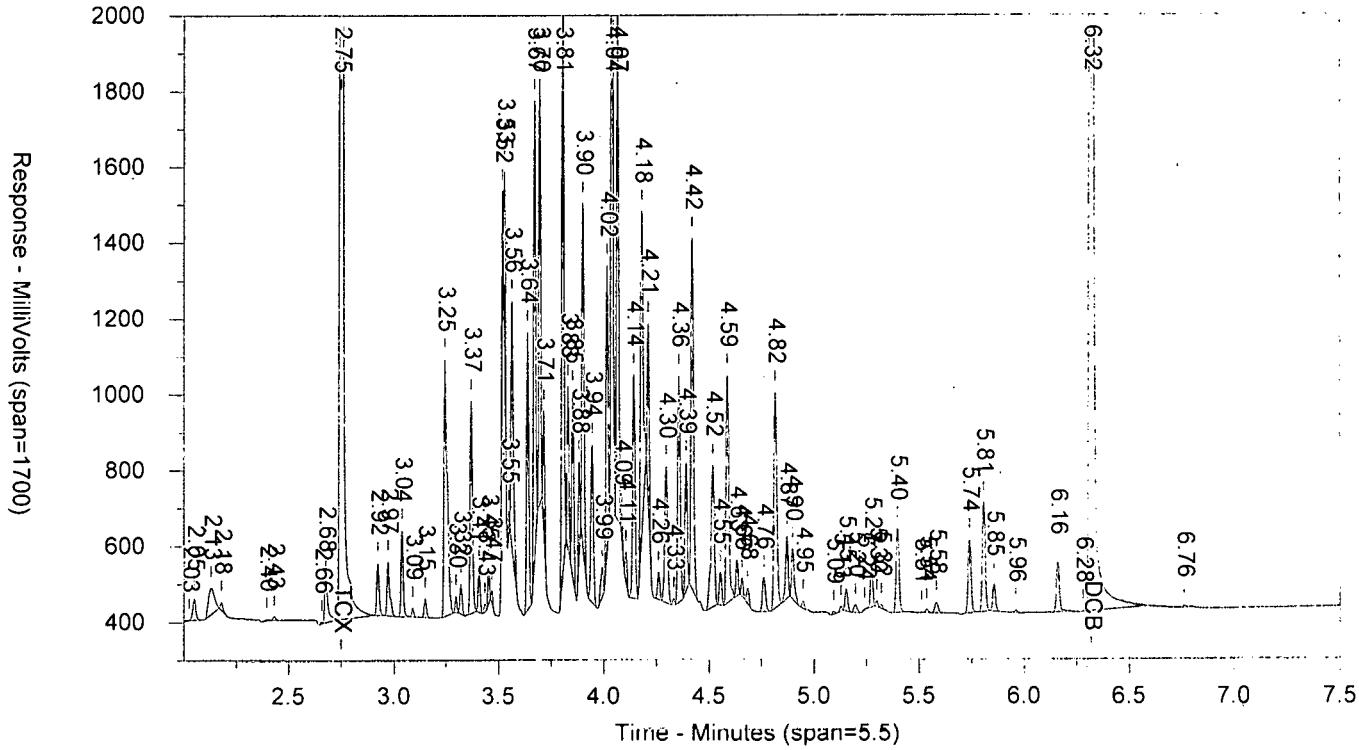

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729201.CAL

RT A	Compound A	Height A	Area A
1.673		14846	101262
2.125		49551	88560
2.185		163644	438408
2.237		57509	121682
2.316		82192	146884
2.41		44206	38689
2.427		33200	30564
2.467		7098	8192
2.493		3149	1312
2.586		9174	21759
2.665		10876	9500
2.773		2227	1939
2.875		67841	70147
2.957		10515	14440
2.998		8755	15808
3.029	TCX	13193820	8382218
3.18		61544	51008
3.23		155577	114509
3.285		106207	70054
3.362		31956	21635
3.381		24493	15067
3.502		215041	128007
3.52		64213	51156
3.557		4863	2291
3.572		115143	72348
3.617		206390	147309
3.673		21267	14919
3.694		227506	145295
3.73		30377	18727
3.747		11948	6102
3.792		54117	31232
3.812		66359	55187
3.843		551496	436734
3.883		998	281
3.902		216008	158766
3.928		1416	265
3.945		36263	25073
3.972		2003817	1473979
4.007		625447	790892
4.051		42612	37919
4.101		1251812	914528
4.126		81388	45599
4.158		232267	163940
4.191		599899	734686
4.235		129925	103932
4.282		66621	62987
4.32		111755	77683
4.358		3006363	2095422
4.377		1072800	625000
4.403		850275	670591
4.473		757951	642692
4.516		4321304	4434355
4.552		1487280	1183543

RT A	Compound A	Height A	Area A
4.593		54008	35239
4.617		253044	193993
4.659		1512517	1375694
4.713		2804693	2410428
4.745		622904	422063
4.775		5482717	4785097
4.823		239032	168277
4.839		100918	49330
4.862		789960	606970
4.902		1686025	1632727
4.951		316396	281301
4.993		3589270	3266260
5.026		130186	96109
5.052		283089	228788
5.075		71040	41533
5.105		1157325	827800
5.121		632161	401006
5.155		48284	36094
5.194		2734694	2588201
5.239		291974	221640
5.268		358652	476570
5.311		3678082	3127396
5.333		256493	128796
5.35		143797	86444
5.375		94806	65893
5.418		130896	155023
5.47		2338	2049
5.492		4571	3363
5.518		925811	767308
5.538		150043	95863
5.568		4042	1886
5.595		128822	107810
5.635		110747	102865
5.675		90580	85808
5.716		663015	560230
5.741		91651	64727
5.773		417481	344342
5.797		99597	68673
5.98		395613	361471
6.01		60722	59978
6.105		2299	1684
6.167		107287	105543
6.231		124307	112663
6.249		15293	8346
6.403		21944	21366
6.475		3379	2570
6.524		2204	2560
6.602		63967	63937
6.748	DCB	4735666	5046944
6.974		1627	969
6.994		1165	487
7.044		4110	4967
7.194		1074	436
7.22		4664	4499
7.293		1225	416
7.34		1621	798
7.382		1297	325
7.438		1155	405
7.538		1380	420
7.626		1313	655
7.00		1481	454
7.814		1000	481
8.158		1303	624
8.372		1654	847
8.405		1185	1138
8.574		1197	847

RT A	Compound A	Height A	Area A
8.608		1209	1015

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729201B.CAL

RT B	Compound B	Height B	Area A
1.632		6504	25121
1.753		1099	4015
1.913		4588	15093
2.003		7445	13676
2.049		36212	48623
2.13		61099	125417
2.178		8939	7400
2.398		5030	9018
2.429		5452	5355
2.677		110135	126417
2.749	TCX	6228594	4532517
2.922		40437	32224
2.97		75621	65227
3.037		61782	41377
3.088		12483	8718
3.15		16768	14258
3.246		147086	168394
3.298		6231	3415
3.32		85580	63261
3.371		123950	95557
3.406		145402	99067
3.434		12288	6207
3.452		15589	8171
3.518		30027	15079
3.549		22413	9736
3.564		218504	204332
3.639		137841	102022
3.671		1197790	821950
3.696		567829	392869
3.733		24986	15777
3.805		762215	563629
3.83		56342	29877
3.852		152854	110134
3.883		231696	137238
3.901		193325	116775
3.943		101897	98878
3.988		90534	94249
4.016		197950	121237
4.039		2721873	2047257
4.066		218374	124032
4.086		218863	124546
4.105		384167	258434
4.143		2381751	1857416
4.176		796878	559095
4.196		556124	340171
4.259		166020	132603
4.295		928767	843162
4.355		1841752	1575557
4.39		459065	345683
4.418		3330828	2819419
4.459		230954	222510
4.515		1572050	1532293
4.553		205946	169503
4.586		2033582	1649311

4.611		256736	170119
4.655		1279803	1092129
4.682		38770	24551
4.761		1255419	1302891
4.816		1485296	1333501
4.858		337630	332218
4.898		2396651	2562828
4.947		157077	108583
4.97		58702	39682
5.035		26822	29717
5.091		110924	108849
5.127		104740	77253
5.152		721153	621654
5.202		94693	87058
5.238		74756	62852
5.271		58619	53073
5.299		299685	221647
5.319		217702	177003
5.396		114273	105920
5.537		13897	11683
5.579		308921	354846
5.738		88341	81729
5.781		9820	7298
5.805		126385	111150
5.855		42084	39891
5.959		17214	18401
6.159		57445	51696
6.245		1538	1062
6.319	DCB	4260390	4375766
6.793		2684	3730
8.404		2005	3648
8.634		3351	9550

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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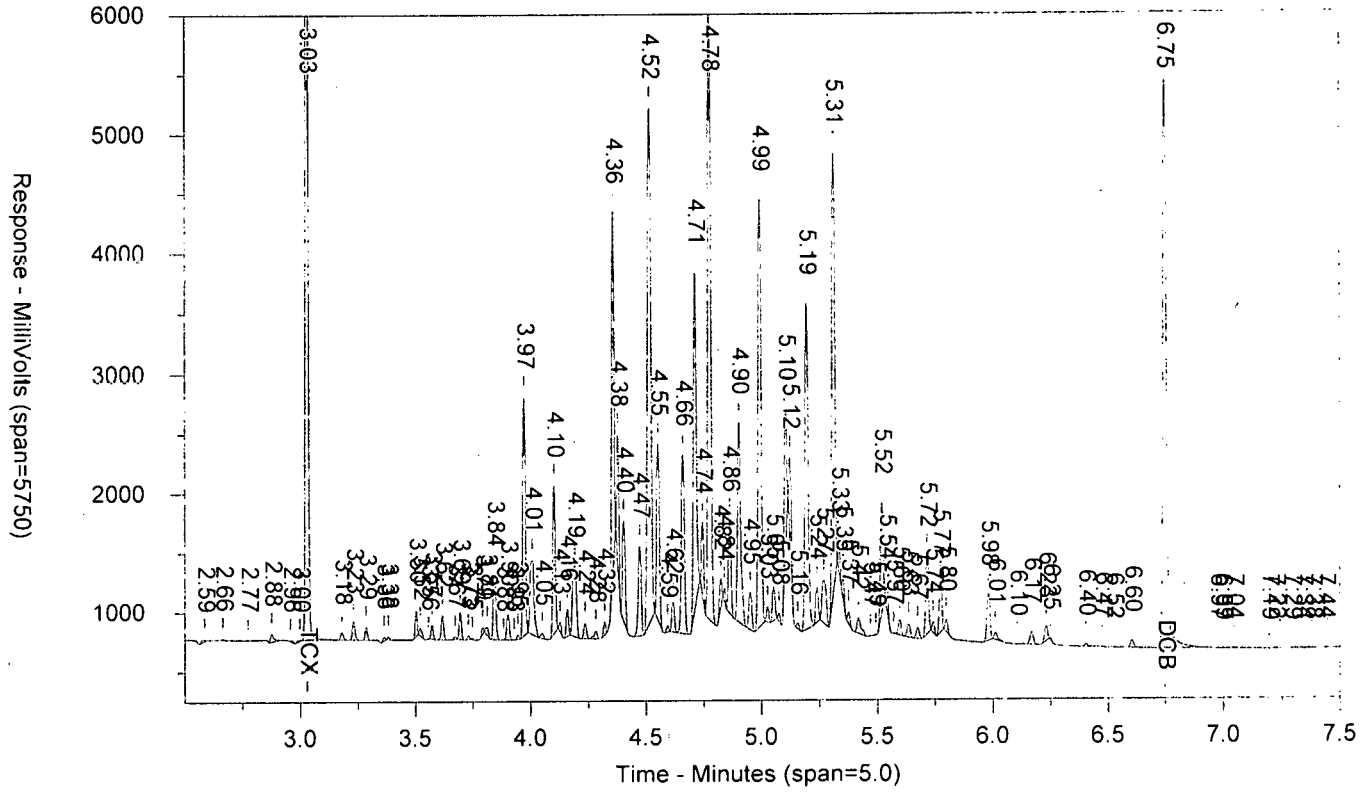

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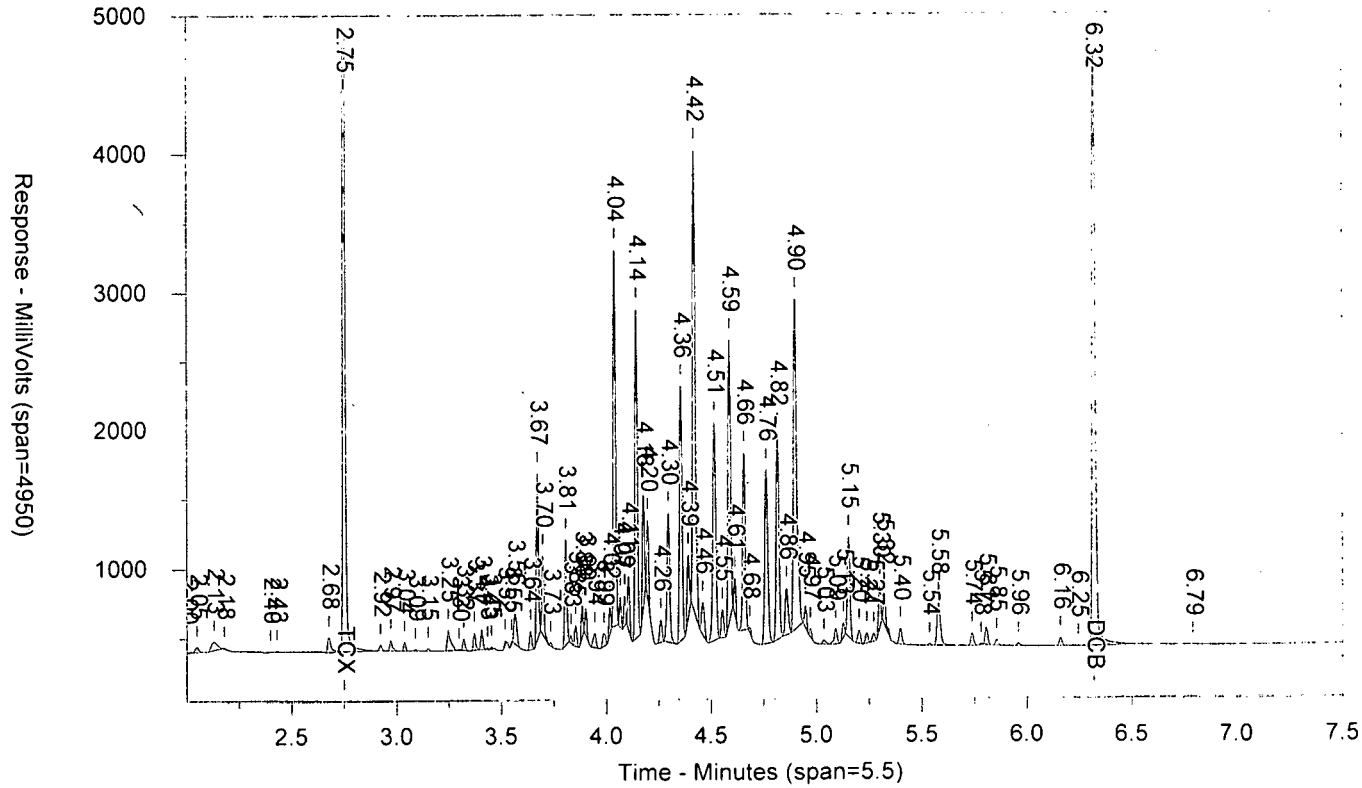

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082
Injected On: 10/20/2017 1:49:57 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	13193820	20.779	TCX	2.749	6228594	20.519	TCX
6.748	4735666	18.555	DCB	6.319	4260390	18.464	DCB

Files:
Area File: 07PCBS17292001.0034.RAW
Area File: 07PCBS17292001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729201.CAL
Calibration File B: 07PCBS1729201B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/20/2017 1:58:38 AM
File Reported On: 10/22/2017 at 1:38:12 PM

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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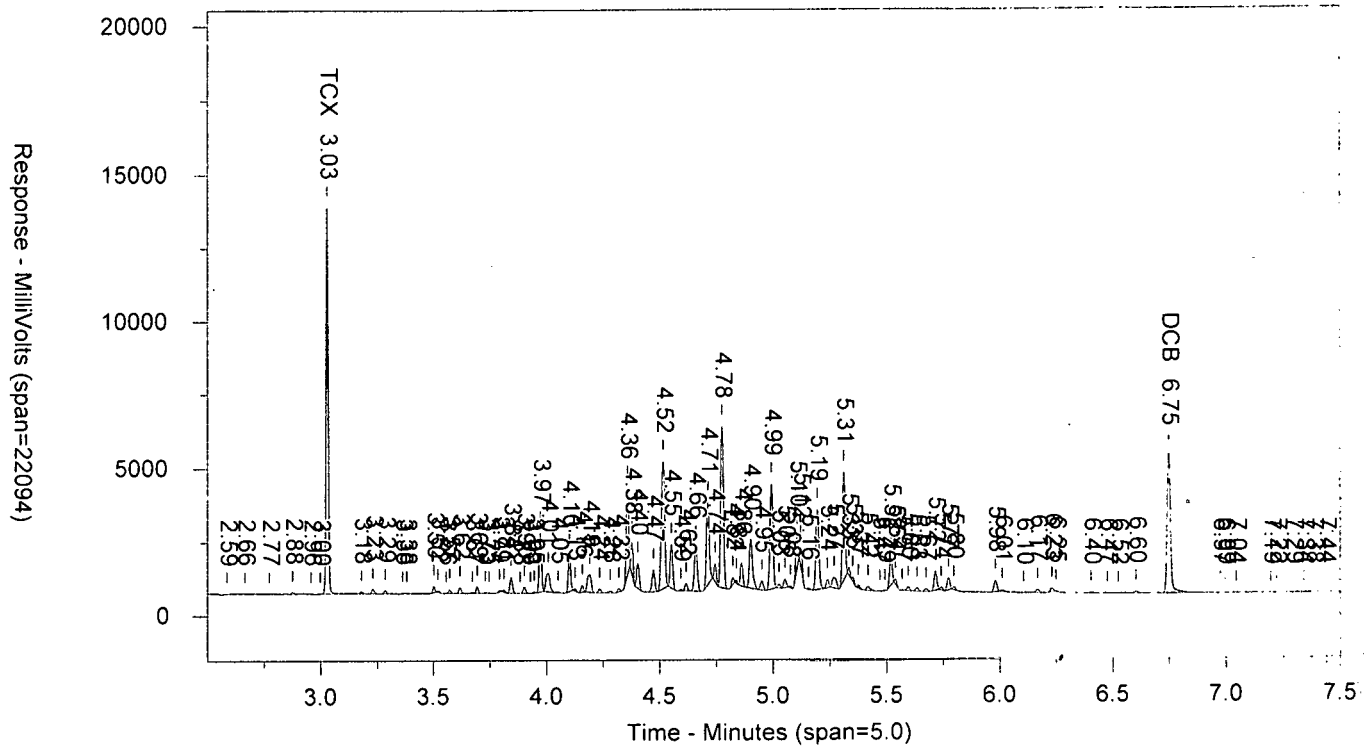

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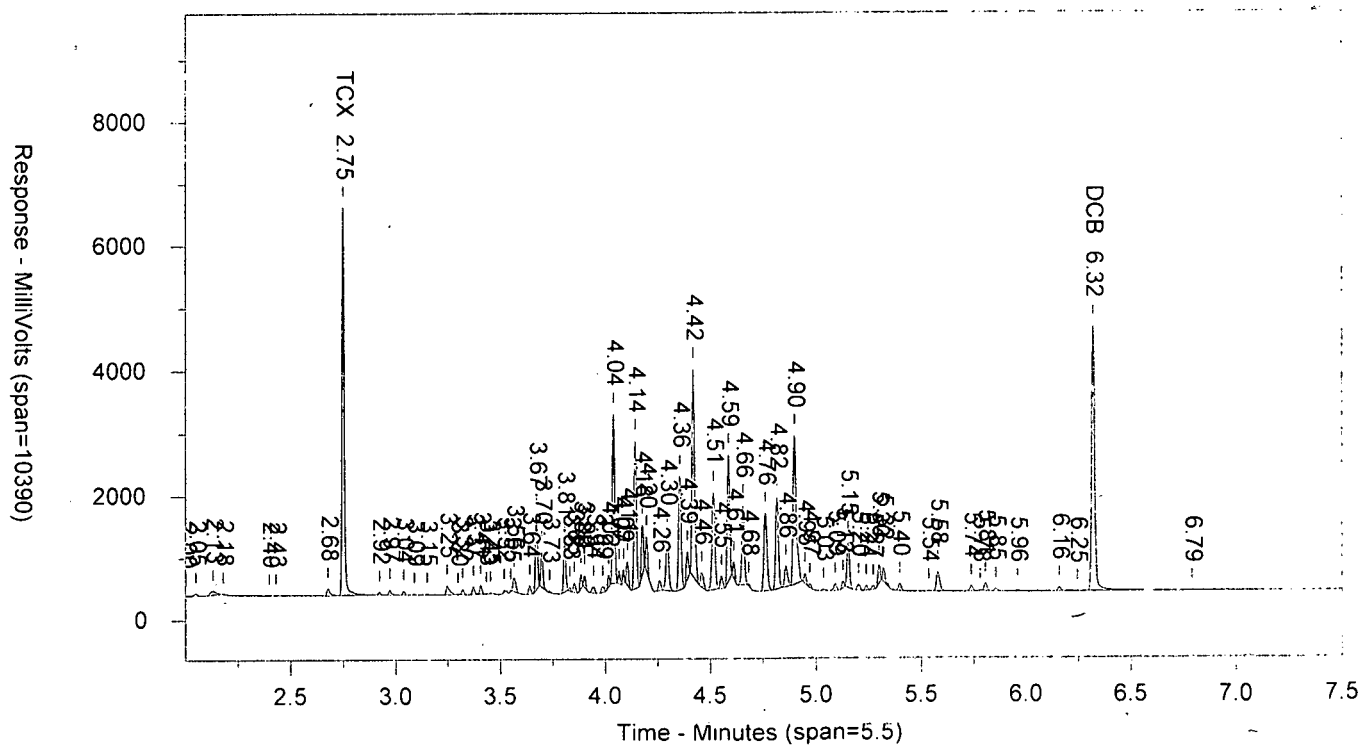

IC54X1724B AAIC54XAA CCAL 1729199999 10225 SW-846 8082

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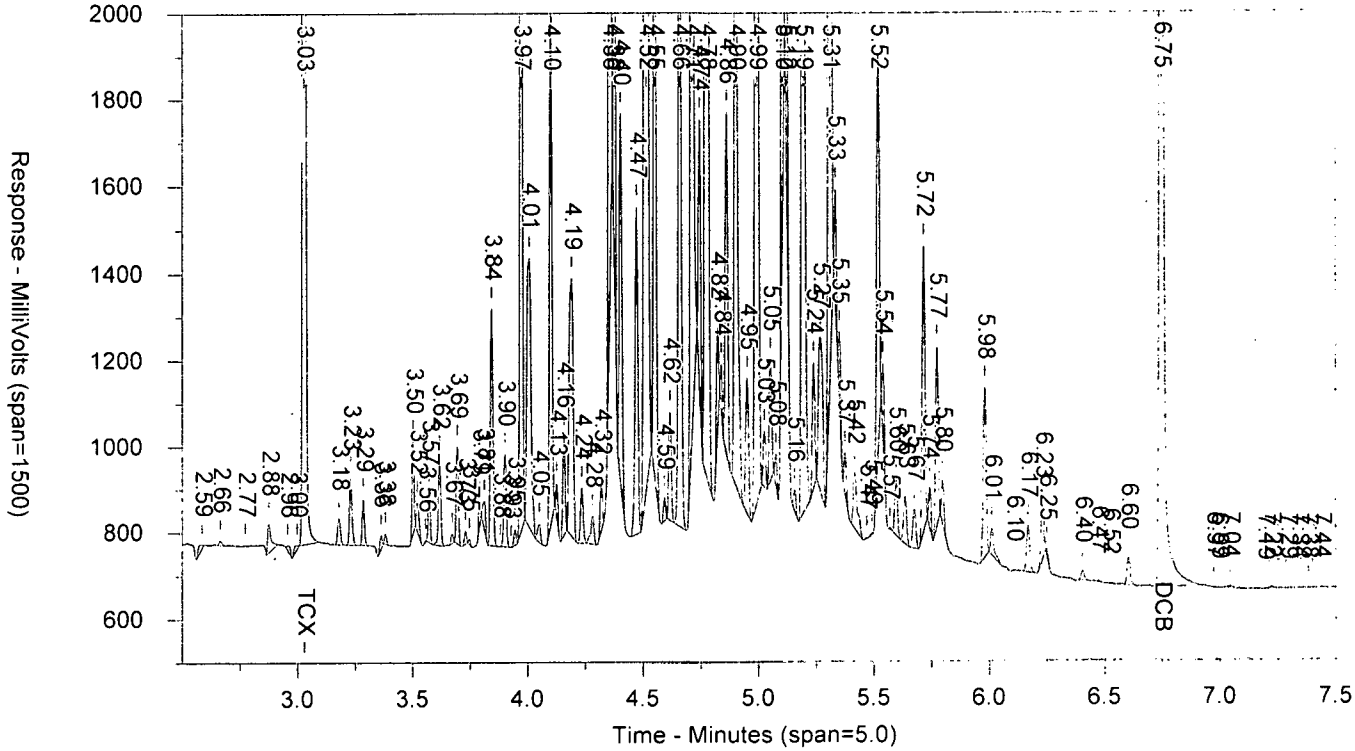

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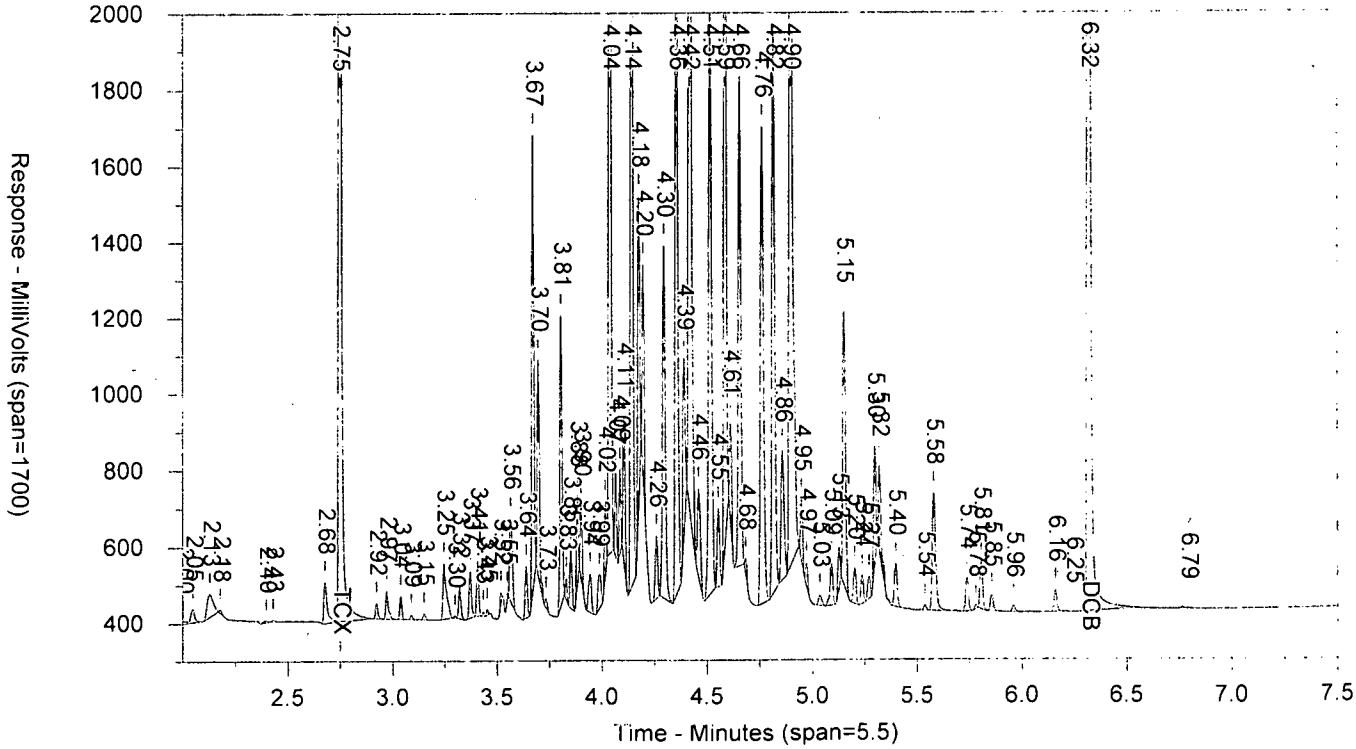

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608
Injected On: 10/26/2017 10:52:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0005.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.665		7999	49131
2.043		2271	609
2.131		20986	67700
2.183		57856	112496
2.315		57495	38961
2.409		36528	23691
2.426		21718	13731
2.465		6620	7314
2.579		4639	7319
2.636		2820	1300
2.875		36222	37409
2.994		4208	6381
3.029	TCX	14156500	9097588
3.229		167351	107856
3.361		36005	25738
3.675		34007	23887
3.715		3260	5212
3.778		6920	7843
3.841		1986	728
3.867		1874	1206
3.883		1861	619
3.892		1060	186
3.899		923	201
3.914		1597	679
3.931		1084	162
3.941		1387	563
3.964		1141	398
4		1408	555
4.045		5703	6020
4.095		1409	430
4.145		1509	457
4.2		1604	348
4.248		1956	1106
4.308		3628	2964
4.394		2473	2993
4.419		7715	7291
4.505		1835	993
4.573		2044	908
4.713		5749	5643
4.751		2591	2351
4.788		1320	404
4.818		1188	427
4.882		1433	489
4.978		1257	1135
5.025		11156	10224
5.12		1467	1844
5.268		27569	25463
5.471		3224	3483
5.503		1480	487
5.584		21531	27180
5.675		21317	21503
5.797		47893	51900
5.886		2900	1745

RT A	Compound A	Height A	Area A
5.982		2126	1158
6.12		1422	590
6.168		64366	63744
6.231		68256	85154
6.326		1715	1217
6.436		1403	895
6.532		1938	775
6.605		44134	45432
6.75	DCB	5719776	5958661
7.035		1371	404
7.515		1068	750
7.536		1410	502
7.583		1824	439
7.611		1462	510
7.808		1272	428
7.952		1117	290
8.123		1527	721
8.191		1876	1114
8.272		1543	358
8.335		1590	991
8.364		1089	316
8.631		1705	539

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608
Injected On: 10/26/2017 10:52:46 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0005.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.633		1669	8742
1.918		2829	8351
2.007		2720	6282
2.046		36013	41558
2.123		28388	48558
2.176		10513	8985
2.389		1798	3062
2.674		63022	63893
2.746	TCX	6923618	4855861
2.967		87083	60255
3.055		1837	1967
3.085		16249	10842
3.205		1569	1468
3.319		4784	3754
3.35		3004	5793
3.431		20442	14299
3.463		4814	3544
3.588		4647	5103
3.668		1440	8264
3.918		3053	7164
4.103		3503	3810
4.193		2600	3870
4.246		6888	8081
4.488		1443	2791
4.628		8586	7789
4.776		4909	6582
4.84		1775	1301
4.866		17586	15290
5.044		33043	36030
5.091		1231	905
5.118		1672	1560
5.269		16527	15342
5.391		36020	35188
5.548		4650	7807
5.6		4215	6752
5.732		58937	56353
5.799		60266	58587
5.849		13340	12177
6.154		47313	45144
6.314	DCB	5532043	5214410
6.763		4277	4181
6.793		2348	2388
6.942		1799	1589
7.949		1914	2449
8.615		5223	10694

IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608

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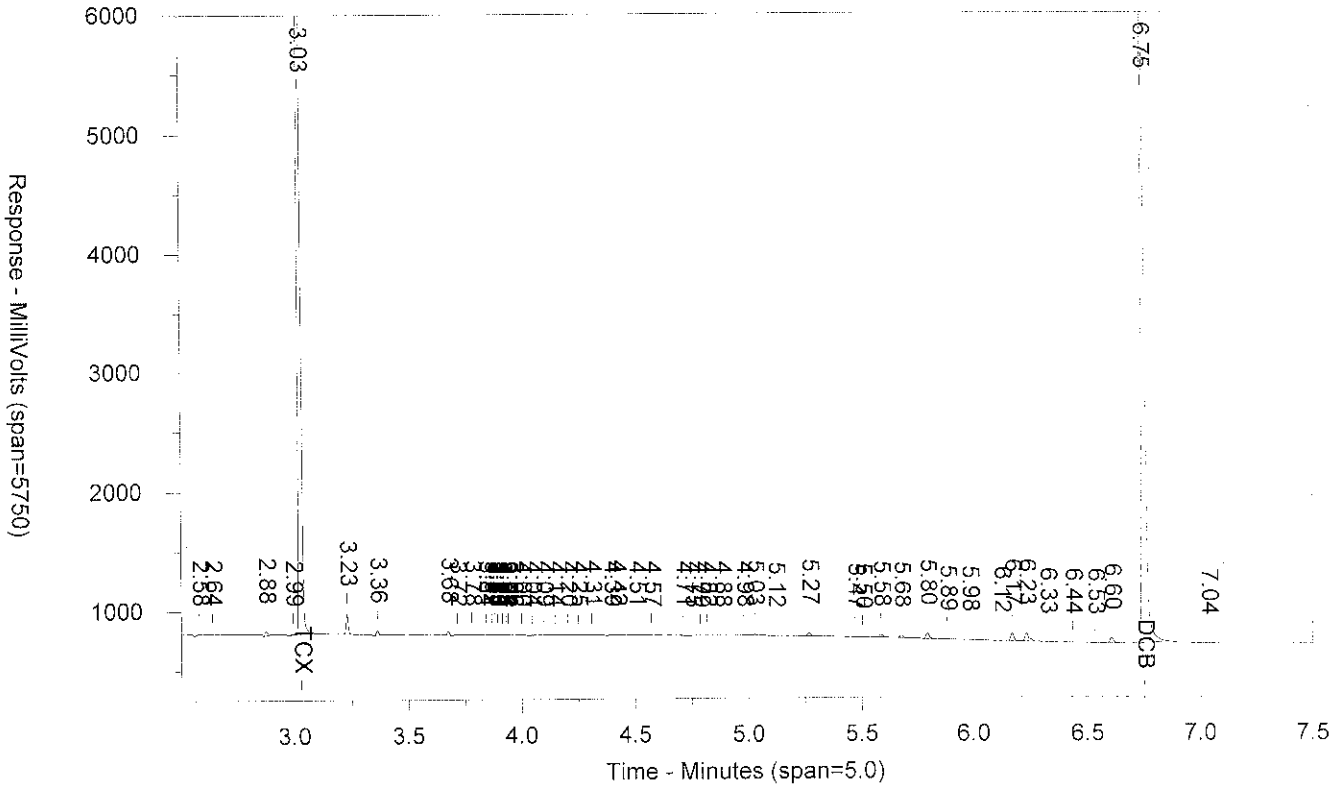

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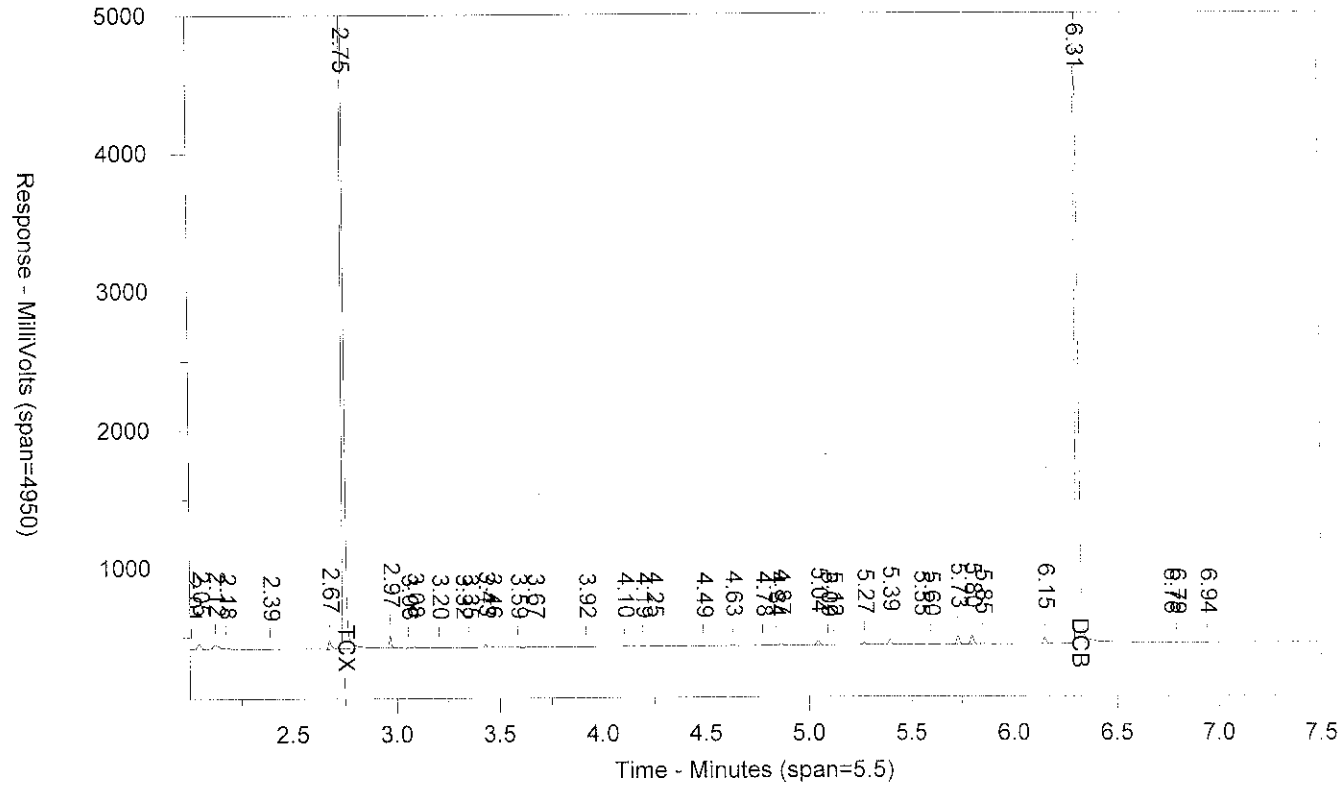

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608
Injected On: 10/26/2017 10:52:46 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	14156500	.202	TCX	2.746	6923618	.202	TCX
6.75	5719776	.198	DCB	6.314	5532043	.201	DCB

Files:
Area File: 07pcbs17299001.0005.RAW
Area File: 07pcbs17299001B.0005.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:01:27 PM
File Reported On: 10/29/2017 at 1:38:05 PM

IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608

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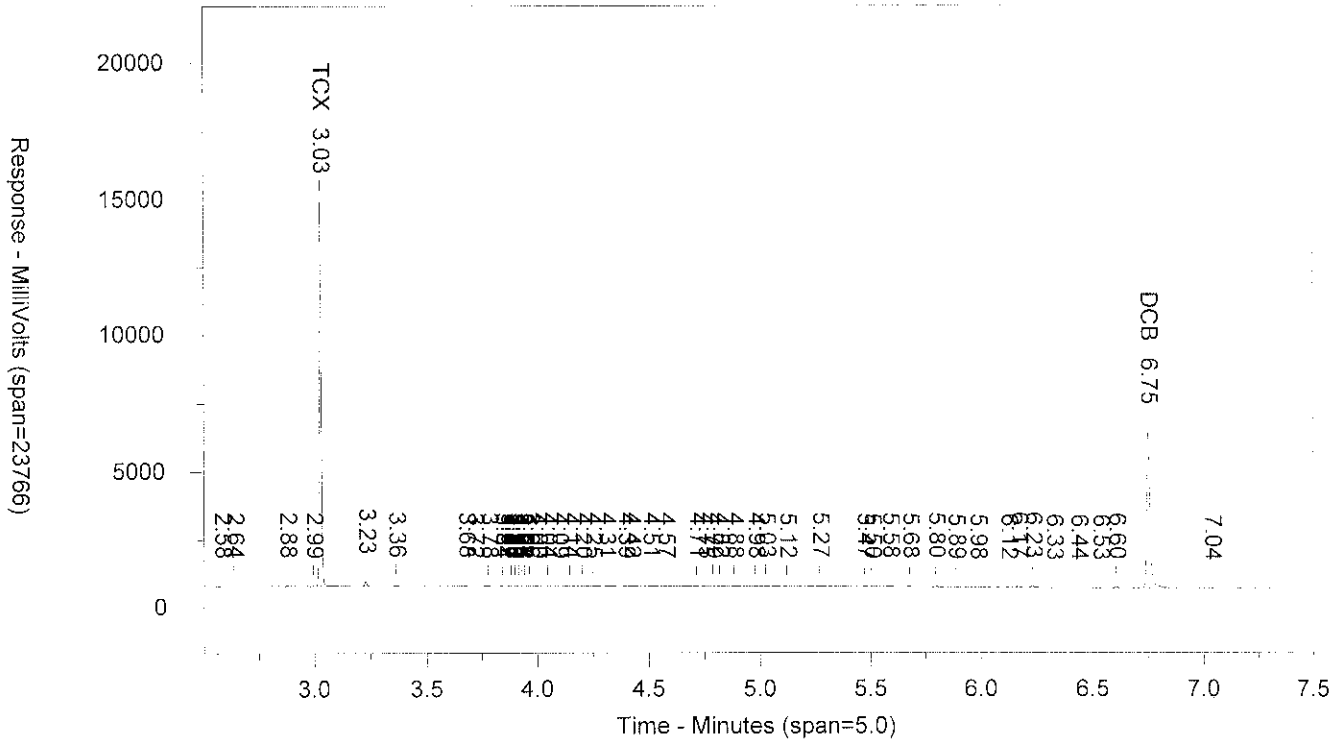

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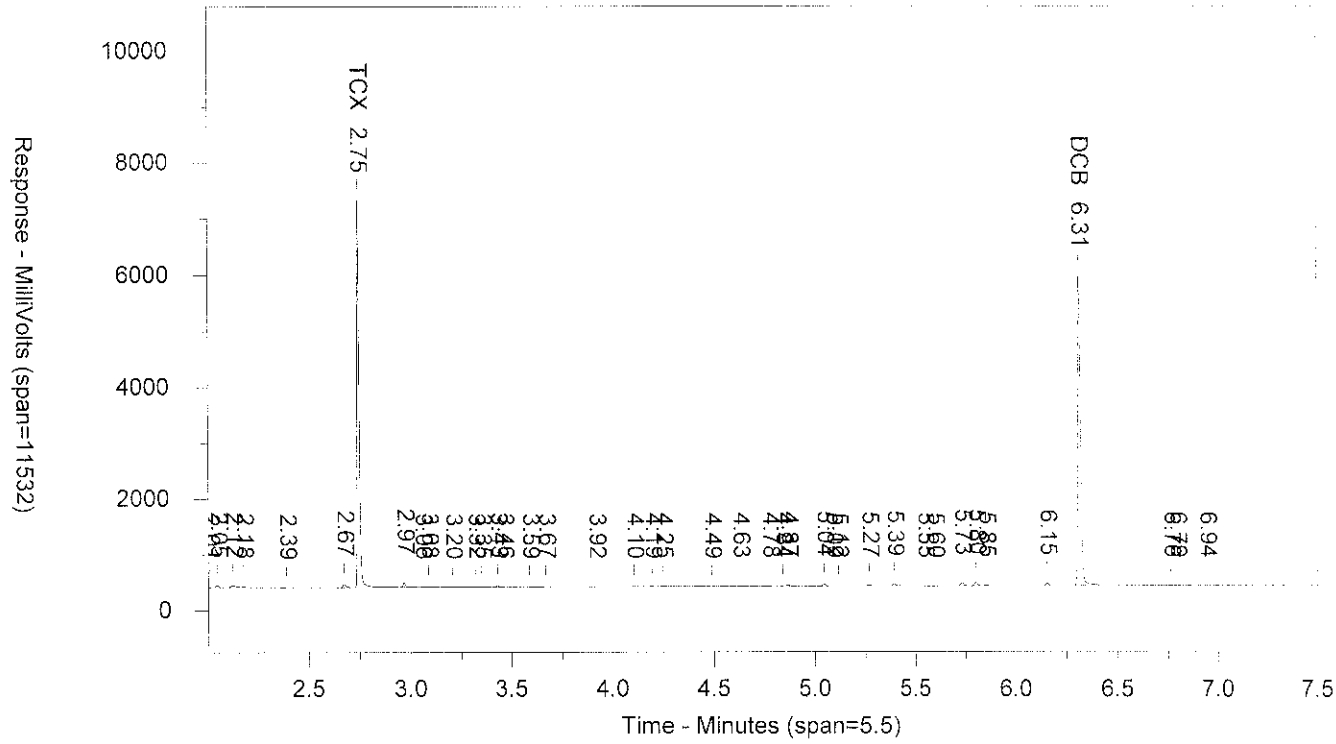

IBLKX1724B AAPIBLKAA PIBLK1729899999 06030 EPA 608

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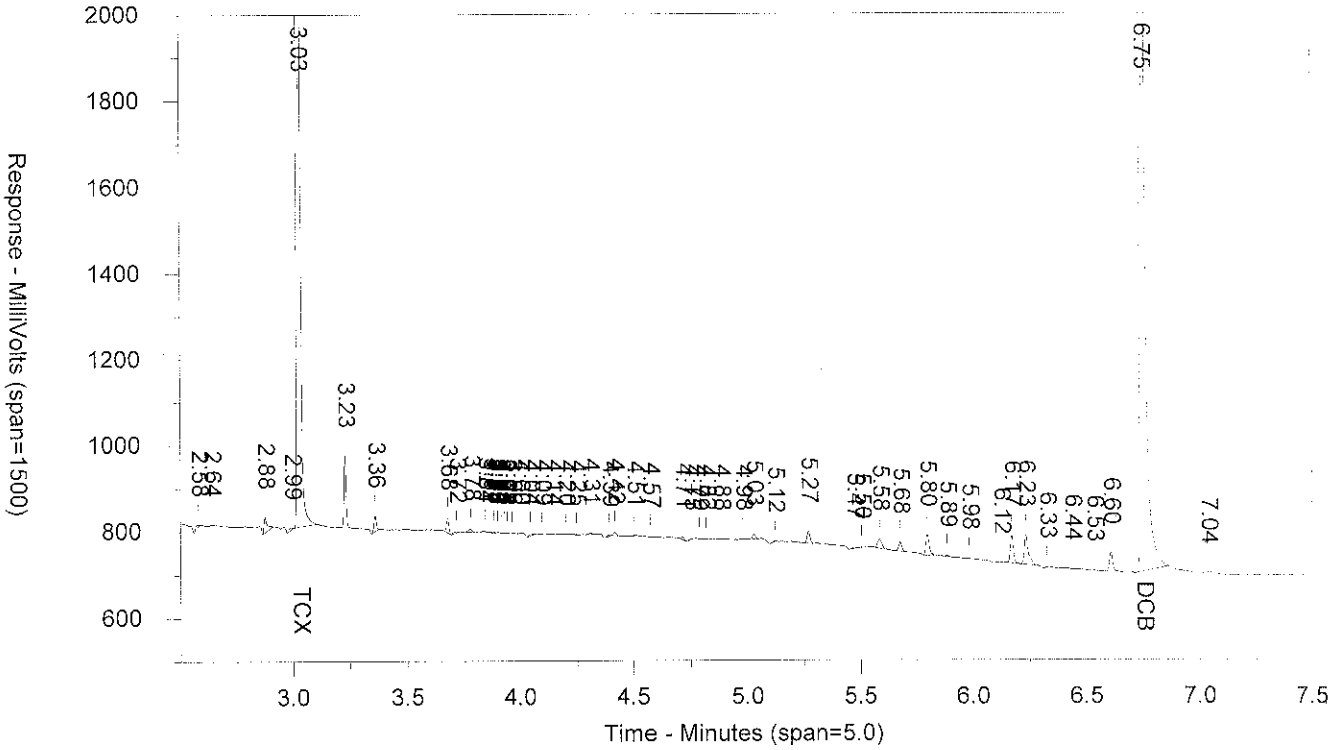

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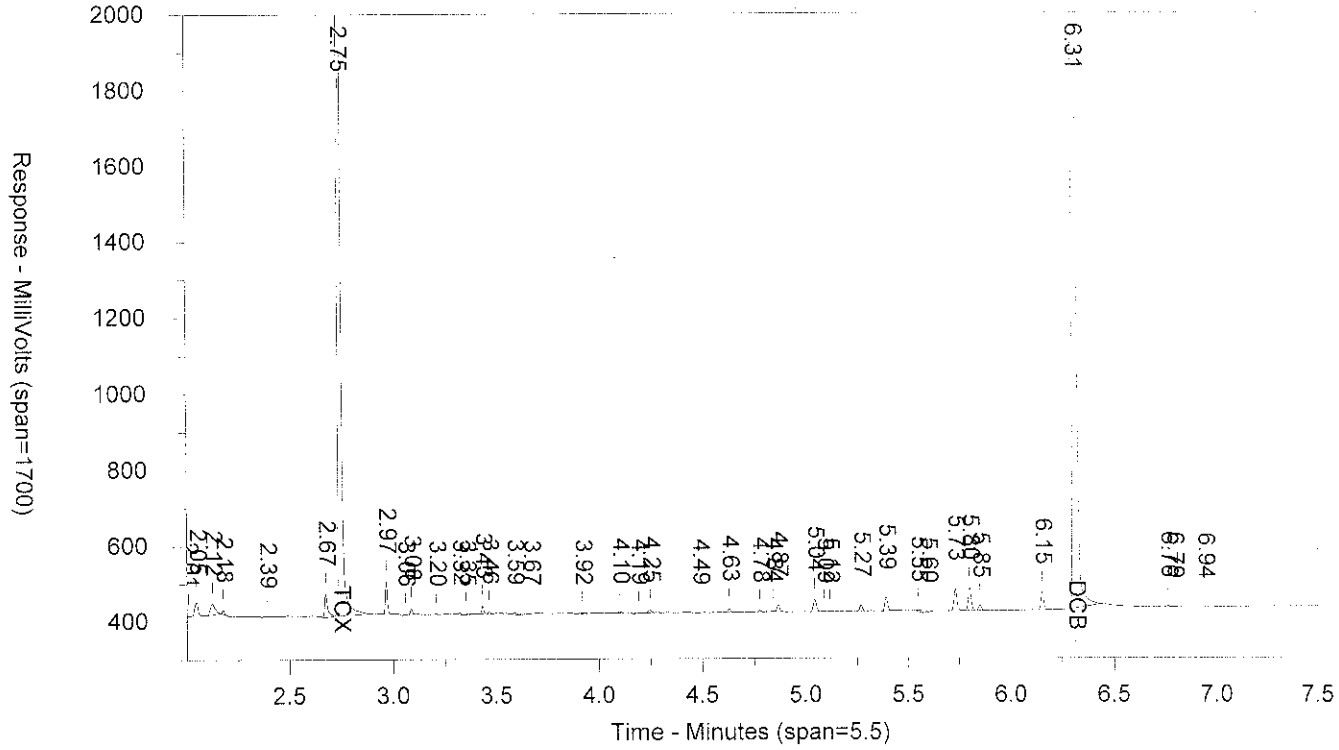

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:04:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0006.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.663		10304	78968
2.105		60461	100019
2.178		61015	128499
2.215		54250	43453
2.245		3175	5986
2.292		3835	2410
2.314		56574	36754
2.408		66473	41589
2.428		202315	130992
2.464		5708	5658
2.519		3229	1715
2.601		310567	254668
2.64		9838	8082
2.77		1514	1450
2.874		30410	22860
2.956		18582	21864
2.998		5619	14869
3.027	TCX	13987390	9032833
3.114		8069	4636
3.228		168882	107861
3.313		9293335	5800861
3.36		43501	35184
3.399		2815	1978
3.416		65411	42298
3.513		6969439	4410318
3.546		46373	31414
3.598		10599	8725
3.63		2945174	1863919
3.674		25953	18107
3.7		6286	3598
3.735		5107	3219
3.777		31394	30064
3.811		246063	185248
3.837		21121	12297
3.854		1080	192
3.866		1078	129
3.879		7713	5756
3.927		508086	389533
3.957		40231	30356
3.986		14380	9171
4.043		23816	18319
4.078		7113	14085
4.121		22982	20238
4.154		1140	489
4.179		55198	42068
4.209		116716	92174
4.263		17769	15207
4.298		549729	447871
4.333		25625	15050
4.351		92605	67041
4.394		30214	29266
4.479		29344	31521
4.515		740554	647982

RT A	Compound A	Height A	Area A
4.602		14732	11295
4.637		32152	33352
4.681		332768	288677
4.712		330721	269526
4.745		3254	2087
4.787		10236	10399
4.842		523755	461083
4.947		689704	612614
4.989		12896760	11583420
5.017		165323	99312
5.035		57983	33098
5.06		6834	4468
5.092		1379068	1301047
5.174		555654	626018
5.25		1241079	1249439
5.329		13329680	12076590
5.408		46746	65659
5.464		8246	10767
5.501		5906	3995
5.547		1254910	1171248
5.605		27967	27573
5.649		53950	83885
5.689		12268440	11762750
5.743		258994	201406
5.78		2963626	2656759
6.096		2034	1005
6.165		79799	77348
6.229		84729	104603
6.511		1337	366
6.6		47405	47296
6.747	DCB	5704698	6181219
7.184		1246	444
7.222		2178	2385
7.281		1263	567
7.326		1637	877
7.368		1583	824
7.42		1343	889
7.474		1572	446
7.636		1273	1084
7.71		1374	584
7.738		1659	691
7.799		1403	474
7.834		1363	628
7.956		1184	1587
8.487		945	859
8.546		1128	333
8.598		1888	595
8.652		1468	723

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:04:00 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0006.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.637		2125	16336
1.836		12946	14726
1.935		8977	37212
2.01		19879	22302
2.042		44190	53232
2.123		19888	35722
2.175		10781	8927
2.274		89725	61805
2.328		6917	9939
2.372		3254	2189
2.445		144427	99886
2.496		3519	2323
2.656		4218	3194
2.673		55349	59018
2.746	TCX	6805116	4787039
2.833		5092	3476
2.909		3972	2336
2.966		86501	59085
3.021		7407	6894
3.094		4557849	2930194
3.215		44075	31517
3.253		30835	22936
3.306		3575838	2312004
3.378		3825	2976
3.405		8280	5438
3.43		10720	6370
3.463		7492	4937
3.486		1584855	1066830
3.545		6898	4408
3.575		12820	7006
3.592		14862	7520
3.612		424482	316258
3.644		21783	13916
3.687		20057	13177
3.726		7163	33386
3.817		16999	34057
3.861		6790	8072
3.919		300858	261435
3.949		21693	10394
3.998		34839	22438
4.016		54128	33133
4.042		9032	14990
4.112		3606	4729
4.157		499110	415658
4.195		5460	5265
4.237		13004	12158
4.28		10053	6961
4.32		209412	196649
4.368		11975	10469
4.424		227028	210285
4.479		9021	11118
4.548		400208	337780
4.576		8825	5981
4.615		8108124	7112647

4.655		111729	90188
4.709		1023070	974107
4.756		13426	19498
4.824		394142	348983
4.862		13289	10078
4.896		10315210	8712631
4.959		750764	693024
4.991		15902	9923
5.072		36674	36284
5.109		12913	9482
5.23		1067570	1199704
5.333		9694395	9065397
5.389		75051	56877
5.409		27023	17015
5.461		7424	6178
5.515		2227130	1975102
5.568		83369	71967
5.731		70861	66192
5.799		75170	70001
5.849		15146	13224
6.152		49442	44710
6.312	DCB	5608256	5388878
6.758		3850	3695
7.752		1301	19624

EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608

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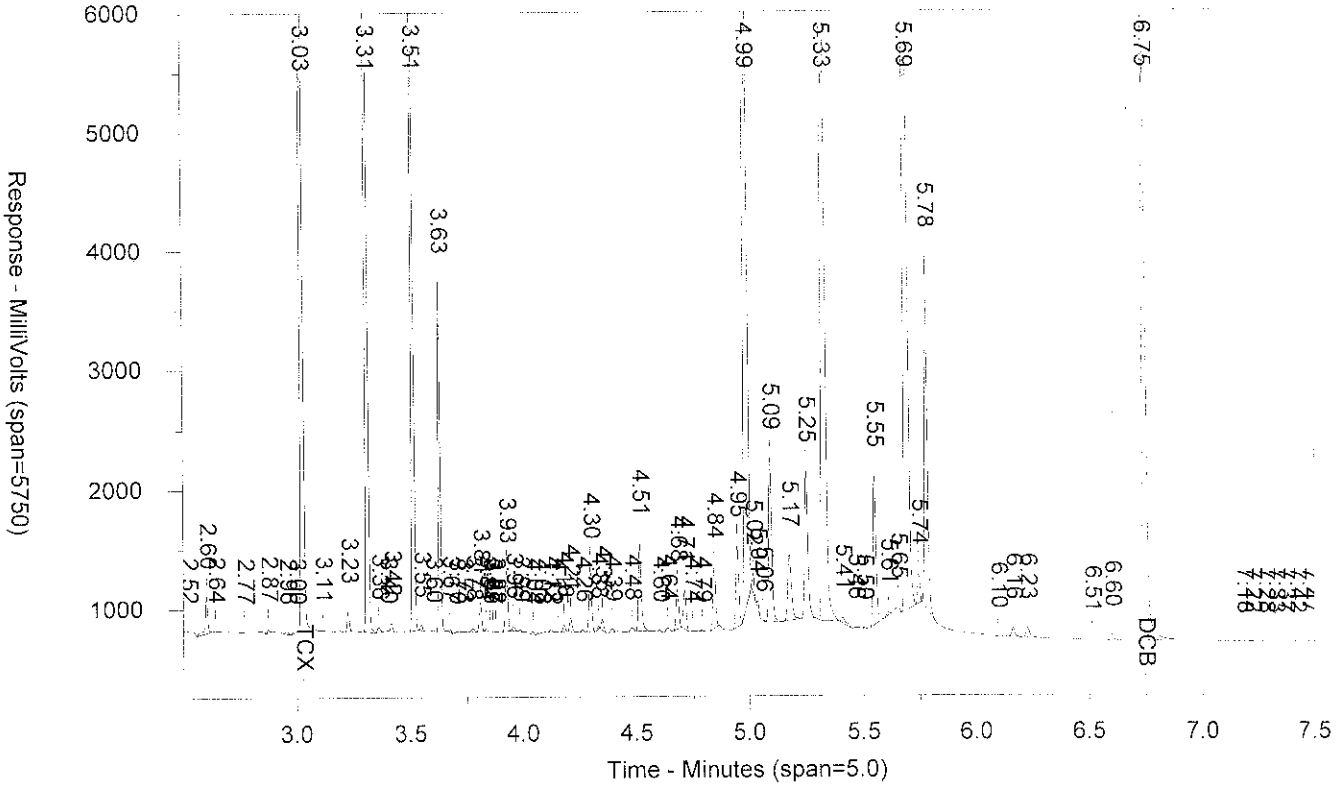

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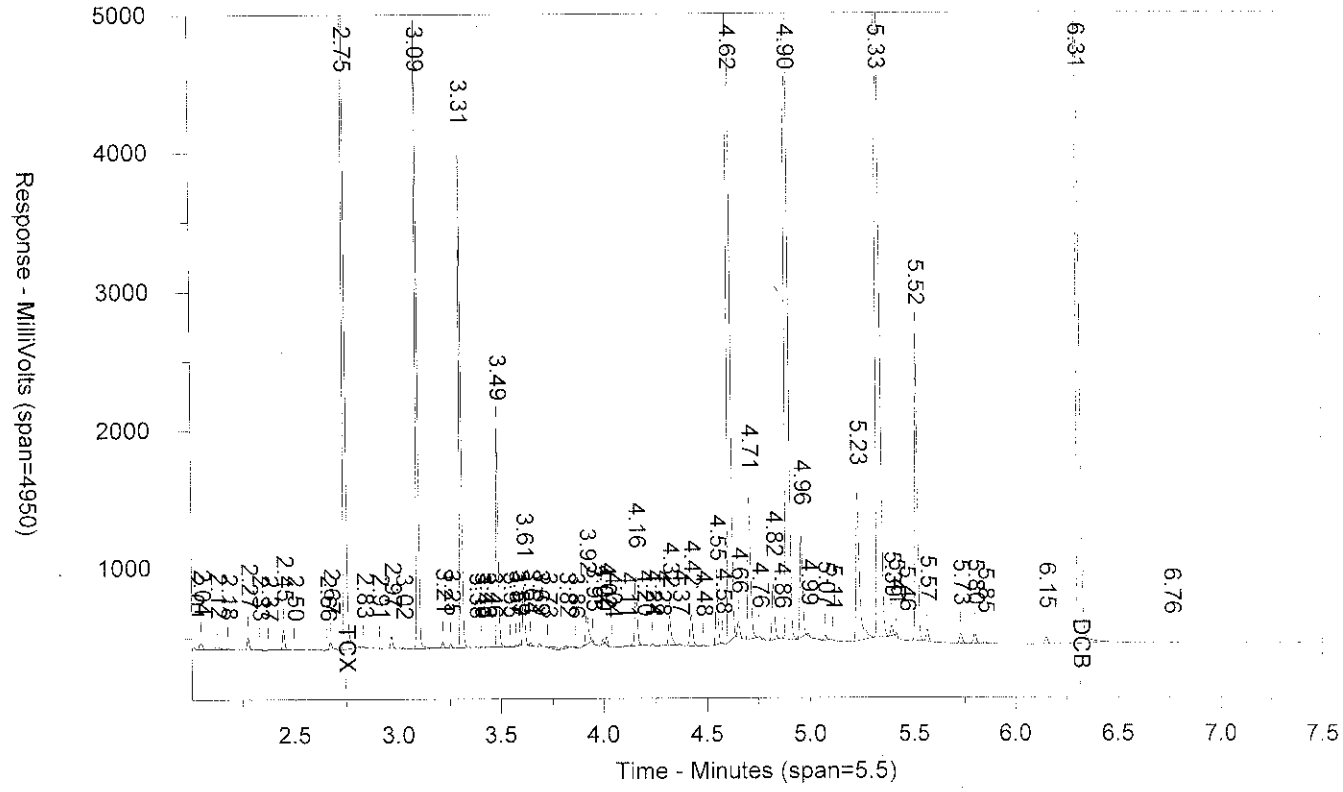

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:04:00 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	13987390	19.979	TCX	2.746	6805116	19.879	TCX
6.747	5704698	19.707	DCB	6.312	5608256	20.36	DCB

Files:
Area File: 07pcbs17299001.0006.RAW
Area File: 07pcbs17299001B.0006.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:12:42 PM
File Reported On: 10/29/2017 at 1:38:27 PM

EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608

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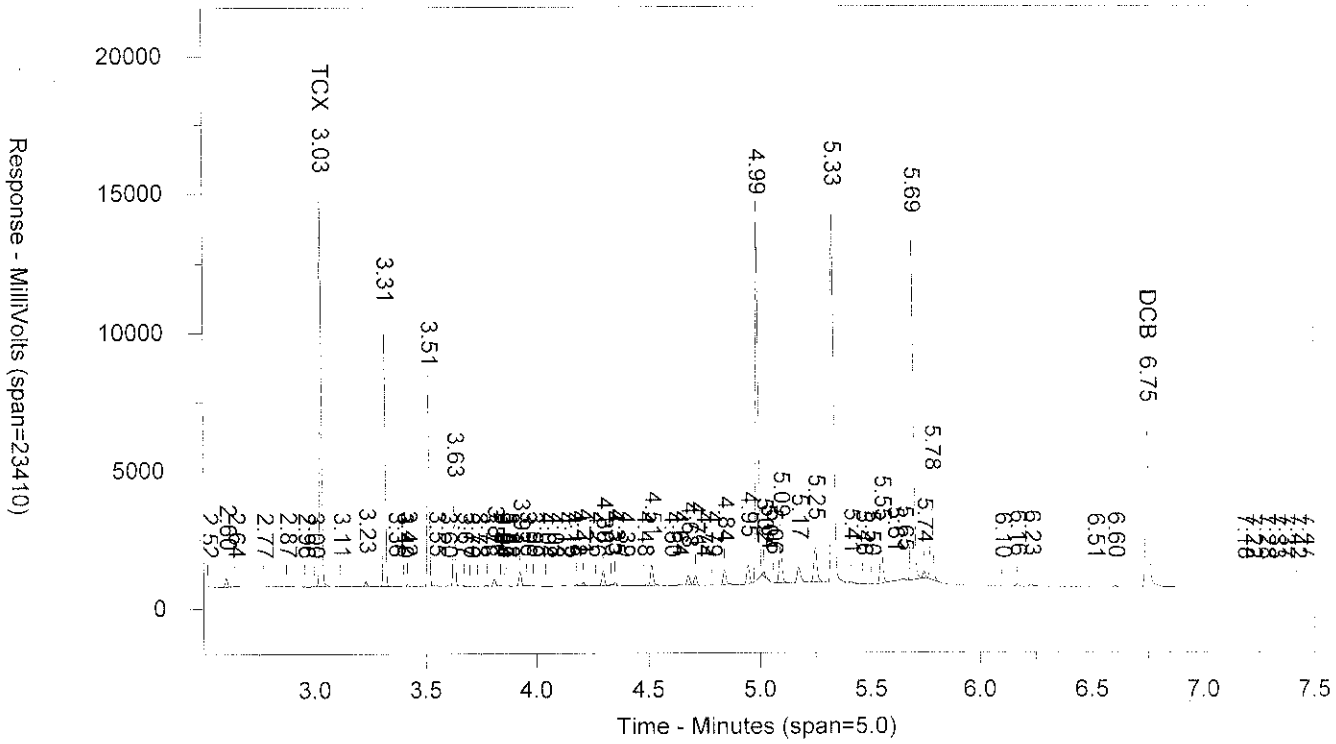

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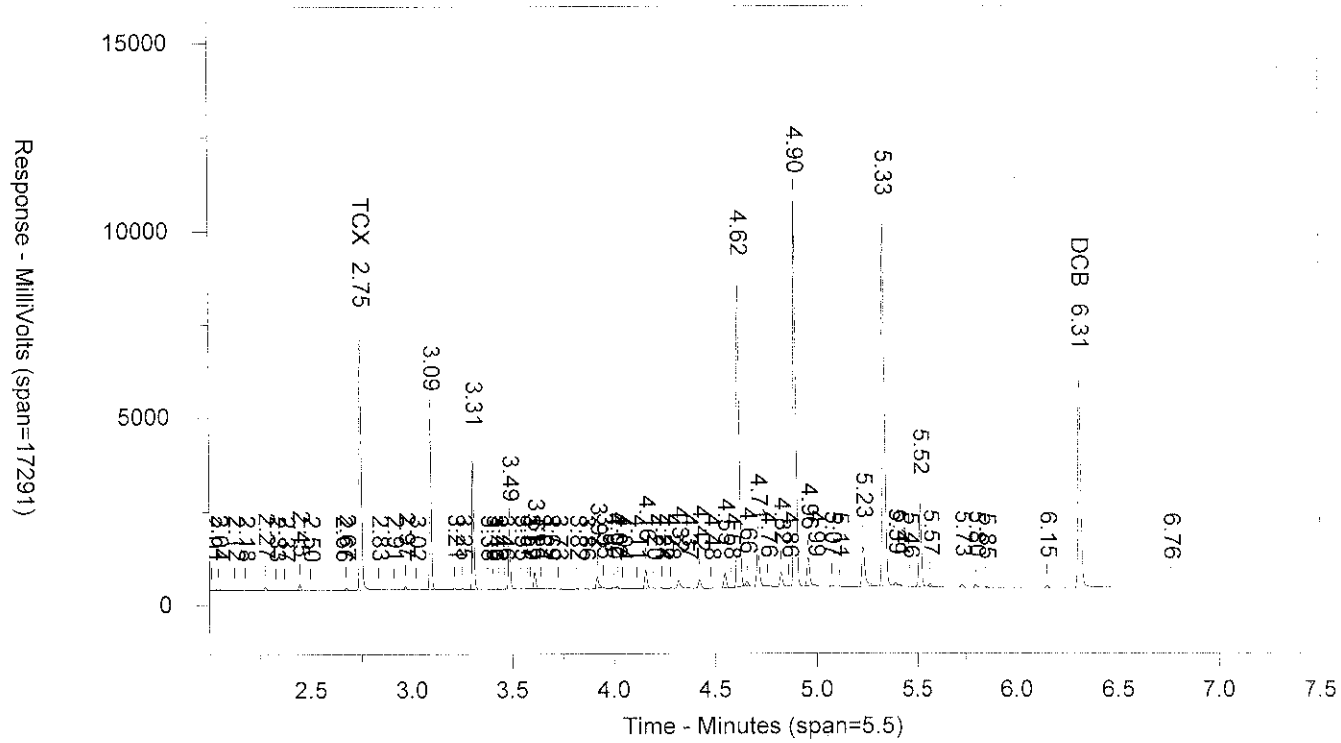

EVALX1724A AAEVALXAA ICAL 1729899999 06030 EPA 608

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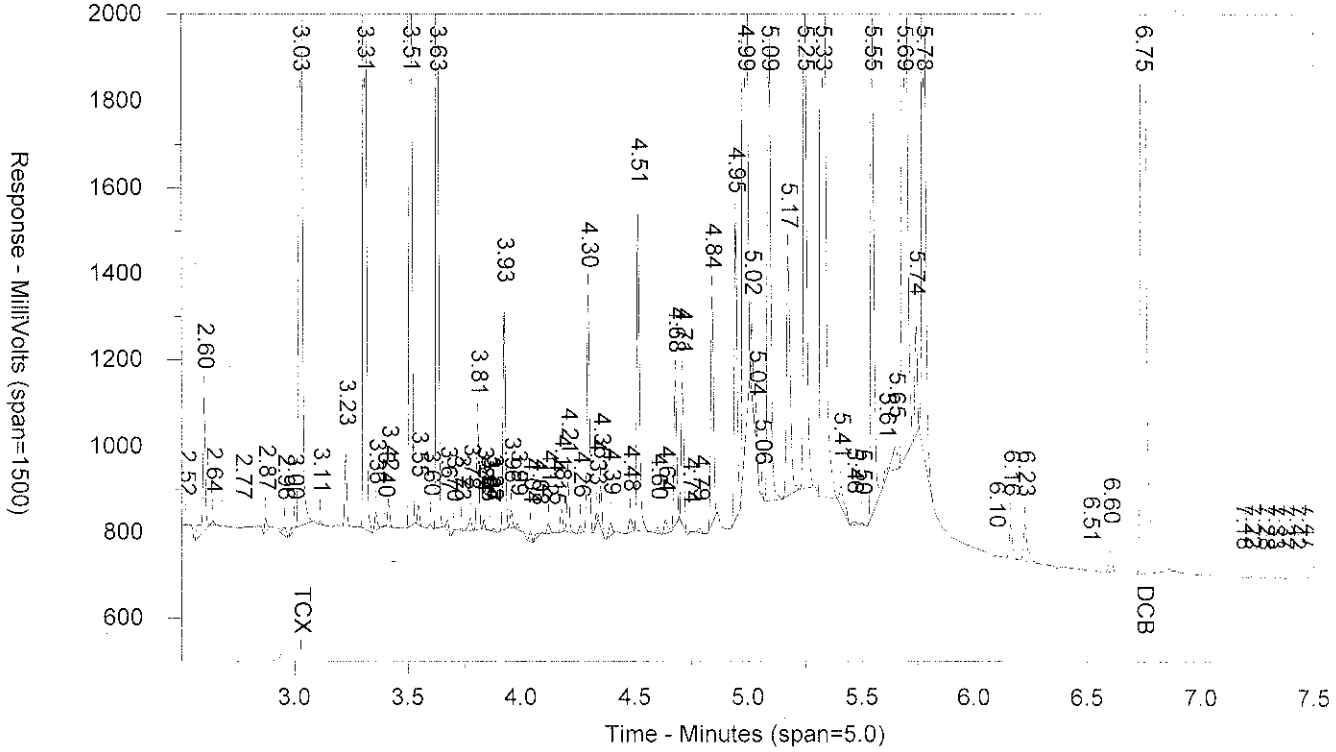

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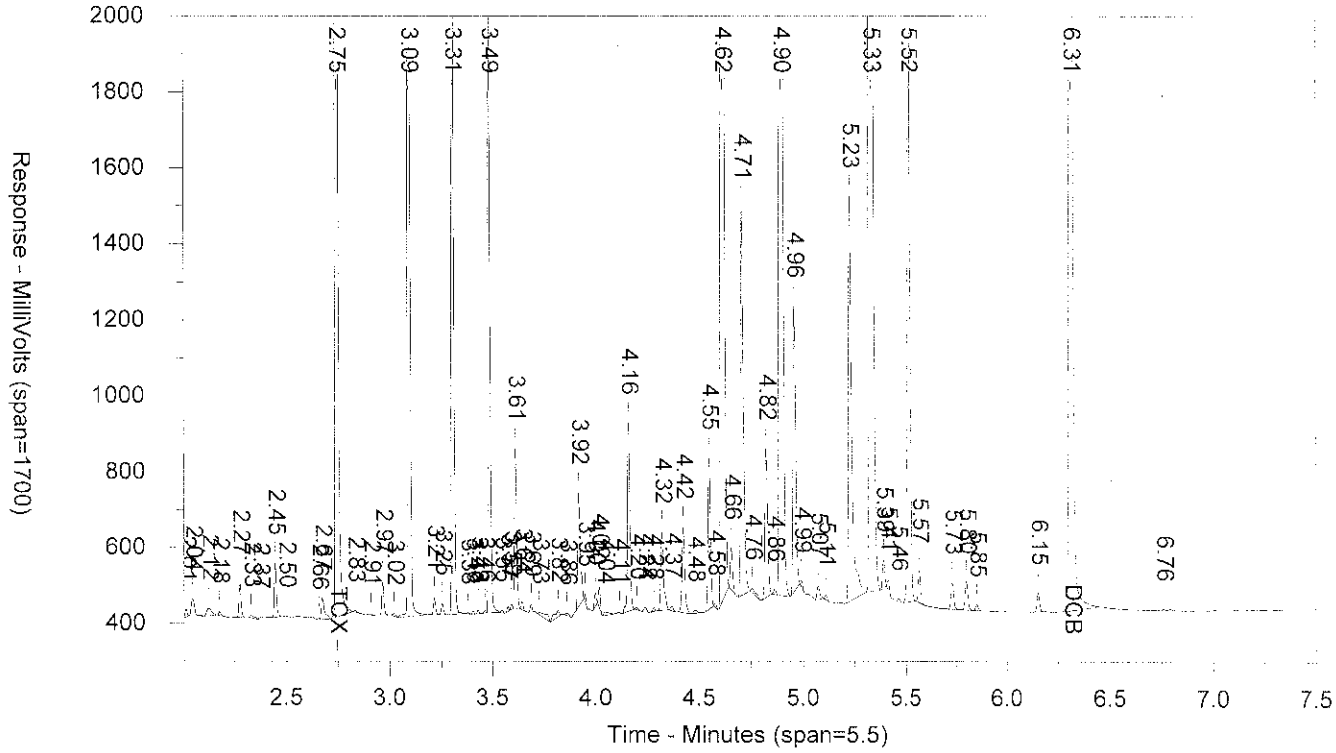

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:15:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.65		9468	27784
2.124		21556	46595
2.177		46337	94320
2.314		5807	3735
2.41		40257	27616
2.462		5269	5827
2.586		10174	21931
2.638		5346	3794
2.875		39733	38922
2.955		8837	10691
3.003		2162	8821
3.028	TCX	1351703	879650
3.18		44335	37223
3.237		59237	46967
3.285		289219	187889
3.361		6495	4760
3.379		32244	20852
3.461		2024	1068
3.502		307148	181499
3.518		151543	79260
3.556		31708	18603
3.573		8133	3530
3.585		19826	9969
3.618		338282	243832
3.652		2476	1618
3.695		6155	3421
3.729		74715	42703
3.745		36762	18868
3.791		204822	109179
3.803		322885	168587
3.841		385277	287814
3.902		326955	243041
3.944		25074	17447
3.972		238712	167532
4		168455	140393
4.022		50039	23521
4.072		1725	570
4.1		248074	176738
4.125		85496	57500
4.157		91457	67237
4.192		242328	238857
4.233		73509	58486
4.281		11163	9128
4.32		14044	12460
4.356		245168	178293
4.376		53972	29861
4.401		57953	46827
4.472		31101	25616
4.515		226901	216979
4.551		6639	4059
4.657		22287	20741
4.712		25876	16598
4.728		51606	33244

RT A	Compound A	Height A	Area A
4.774		137042	116117
4.822		217329	236357
4.861		49085	34421
4.9		483671	448473
4.991		67258	70717
5.024		6691	4340
5.051		78748	73589
5.103		522414	664760
5.154		112491	99875
5.195		250636	277806
5.275		46539	56307
5.31		574216	536706
5.331		24212	10004
5.349		6447	2437
5.373		320569	289381
5.416		205310	188777
5.513		48915	40666
5.537		314261	294728
5.594		176593	155731
5.634		87229	79924
5.674		19900	17657
5.717		105324	110534
5.773		782258	894625
5.978		438754	442395
6.032		129782	222657
6.166		16119	15669
6.226		8799	7904
6.249		73884	64724
6.322		1287	377
6.403		171230	180021
6.446		8549	6409
6.603		49219	51258
6.686		1184	564
6.748	DCB	582010	644263
6.91		1298	660
6.981		1071	567
6.996		1556	588
7.042		1321	1399
7.136		1080	390
7.175		1211	424
7.198		1549	401
7.253		1392	438
7.295		1696	465
7.495		1672	559
7.523		1269	810
7.669		1230	1410
7.809		1772	478
7.928		1510	429
8.18		1324	679
8.233		1737	527
8.302		1970	819
8.402		1790	1105
8.531		1623	385
8.634		1783	510

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:15:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.638		1440	10345
1.903		2364	5185
2.011		3818	9061
2.039		25783	23407
2.12		23153	56825
2.353		2838	1682
2.551		1931	2062
2.655		3699	2064
2.673		71898	74103
2.746	TCX	671653	460398
2.79		13327	9869
2.918		29206	24027
2.98		34032	31416
3.033		160492	114767
3.087		2004	1888
3.145		21714	15903
3.242		217520	240321
3.295		21810	14360
3.317		15935	10802
3.343		11606	6451
3.366		197813	149108
3.402		6850	4336
3.448		45528	26151
3.464		26057	12879
3.515		63489	38667
3.524		187629	93064
3.559		194171	147936
3.634		211211	147829
3.668		154118	100969
3.692		152866	94601
3.71		43585	23711
3.801		178991	135812
3.826		66448	38183
3.847		62750	41040
3.879		34240	18785
3.897		141888	99125
3.941		53554	44285
3.989		6601	6028
4.012		35560	22129
4.035		198834	147380
4.062		35906	23003
4.081		4435	2136
4.101		23573	16508
4.138		162523	136376
4.176		4945	3212
4.192		12192	8923
4.242		7080	7873
4.29		12511	14479
4.35		42416	34155
4.396		38912	24502
4.415		18139	11990
4.428		105057	69798
4.455		64012	66308
4.509		375445	326613

4.557		4852	3370
4.582		30599	21910
4.607		84484	66916
4.651		432394	399651
4.759		353022	366772
4.816		43145	38030
4.855		97377	92926
4.892		399527	371709
4.925		209468	172555
4.965		151562	131205
5.07		48704	54122
5.121		280922	241258
5.145		28299	18523
5.197		156060	150763
5.232		73234	59437
5.26		51089	44735
5.294		11688	6494
5.315		622488	563981
5.355		10957	8683
5.39		27711	25602
5.508		5100	3081
5.531		138656	126200
5.576		427399	499281
5.733		16460	15603
5.774		10658	8182
5.8		14105	11474
5.848		80404	76685
5.953		175134	157986
5.984		8249	6445
6.153		50718	50059
6.312	DCB	619080	608001
6.792		2504	2497
8.483		1349	1486
8.614		4650	10508

AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608

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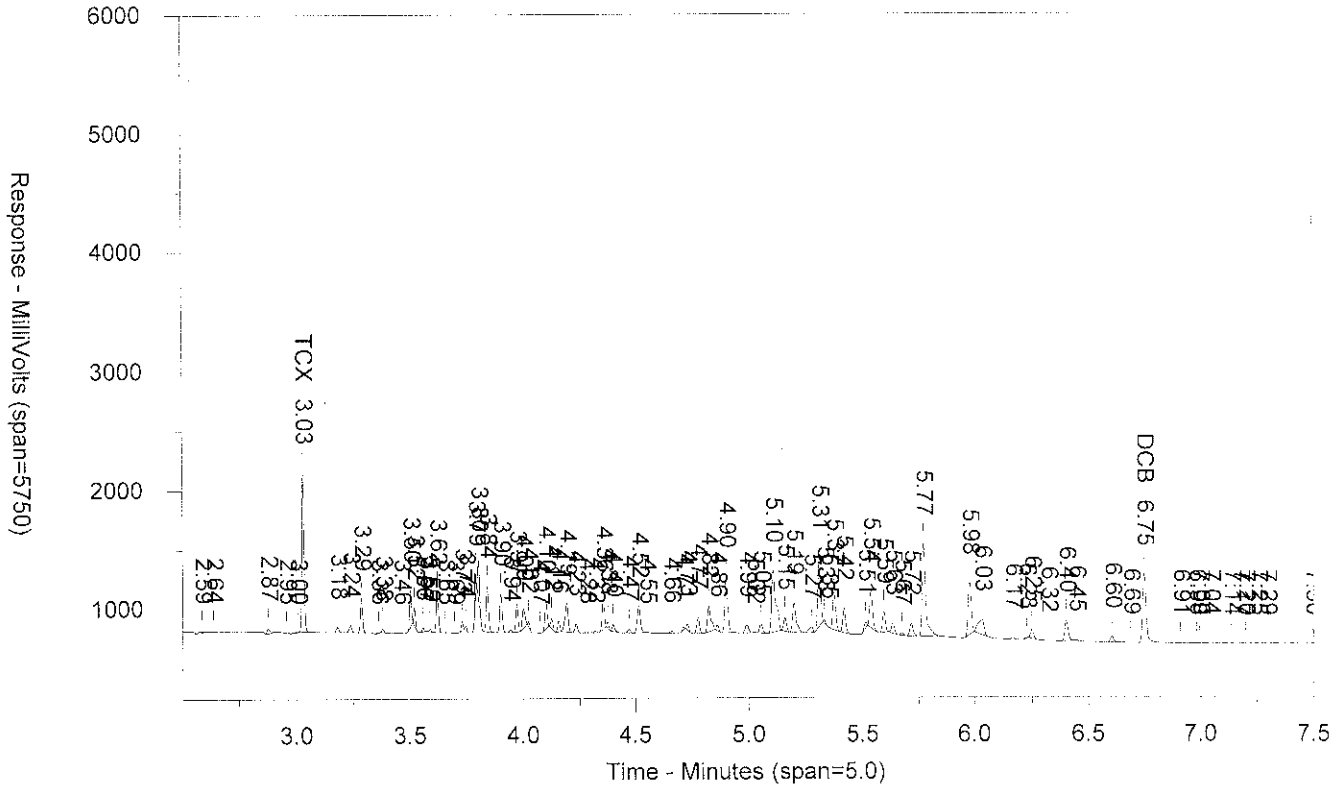

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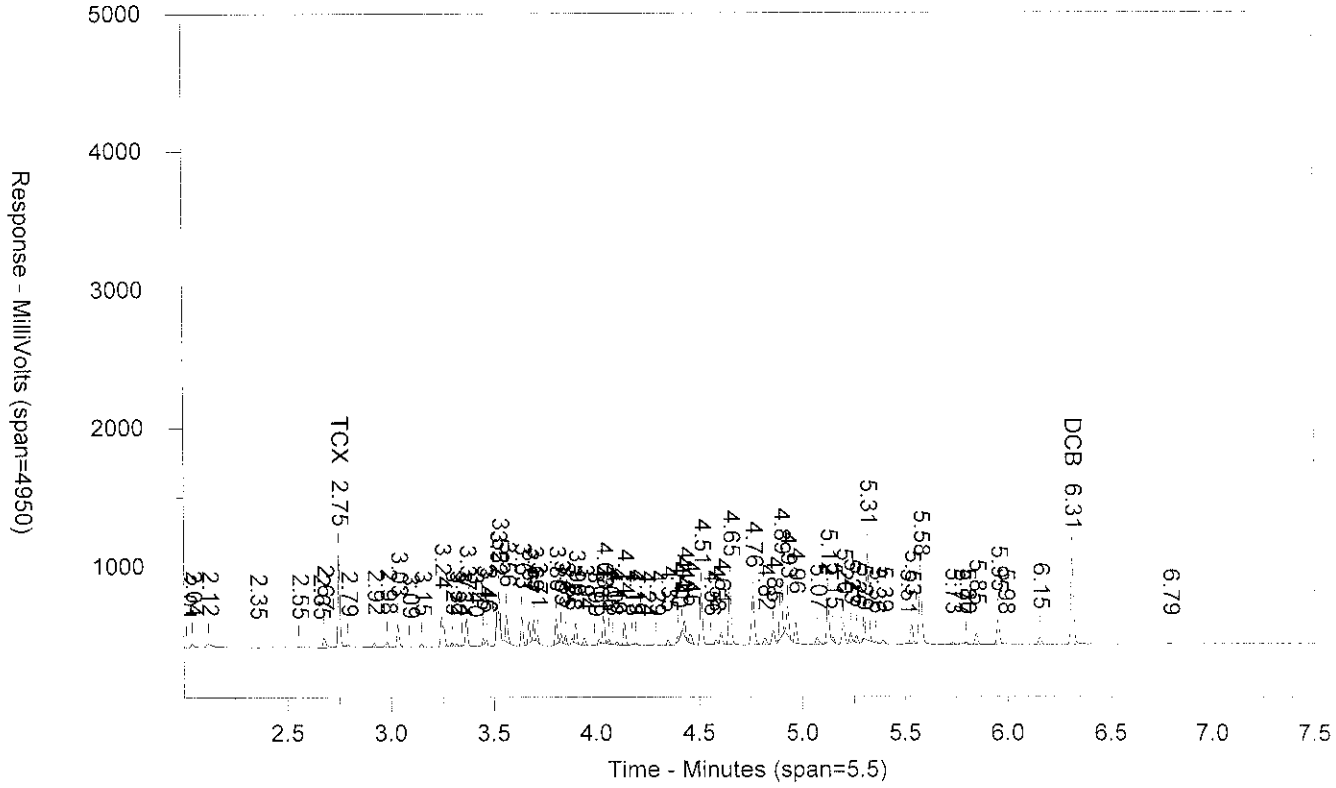

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:15:27 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1351703	2.129	TCX	2.746	671653	2.213	TCX
6.748	582010	2.28	DCB	6.312	619080	2.683	DCB

Files:
Area File: 07pcbs17299001.0007.RAW
Area File: 07pcbs17299001B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:24:10 PM
File Reported On: 10/29/2017 at 12:43:36 PM

AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608

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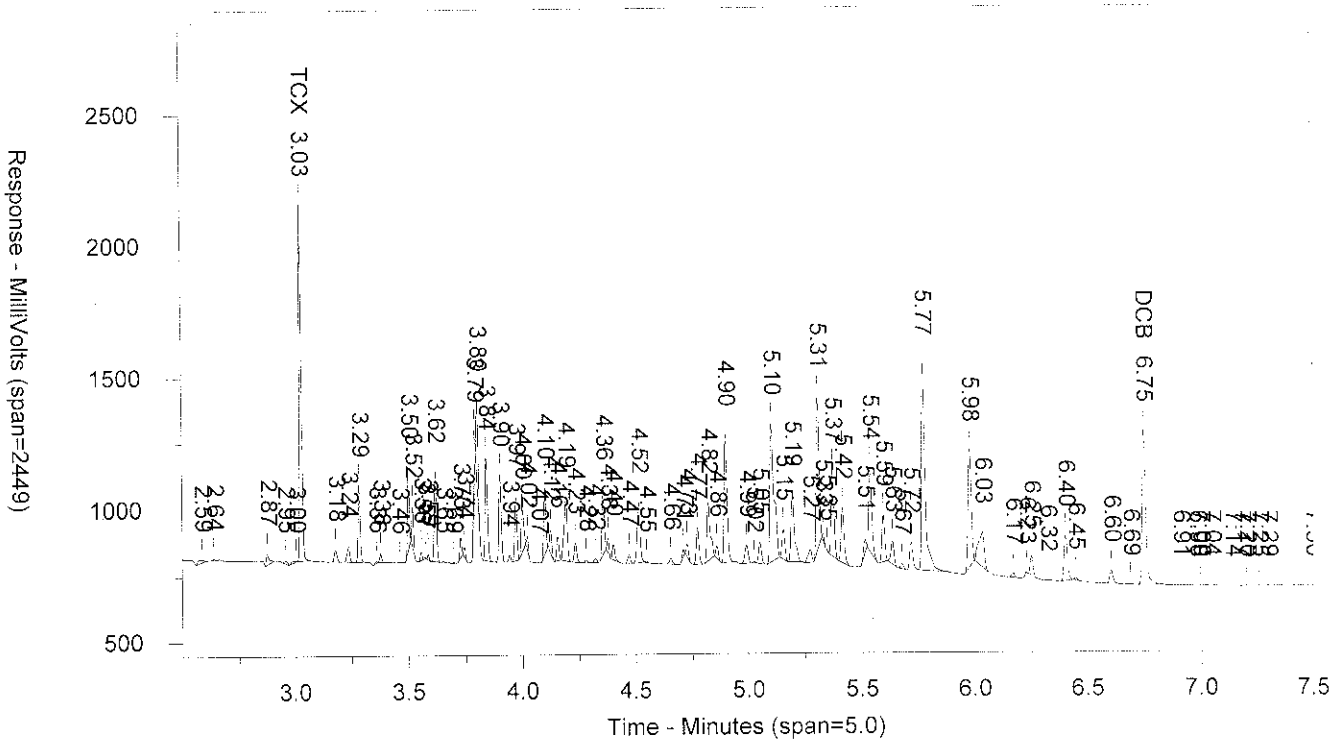

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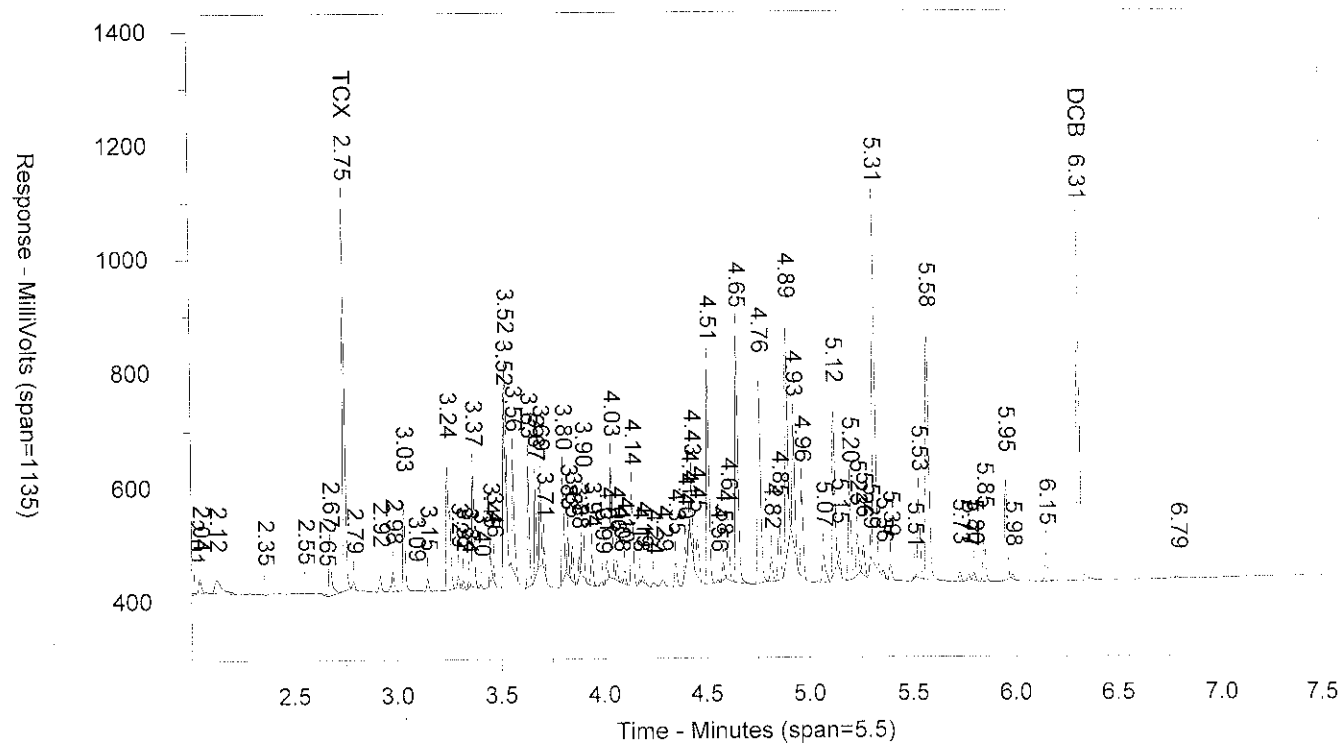

AR1611724B AAAR161AA ICAL 1729899999 06030 EPA 608

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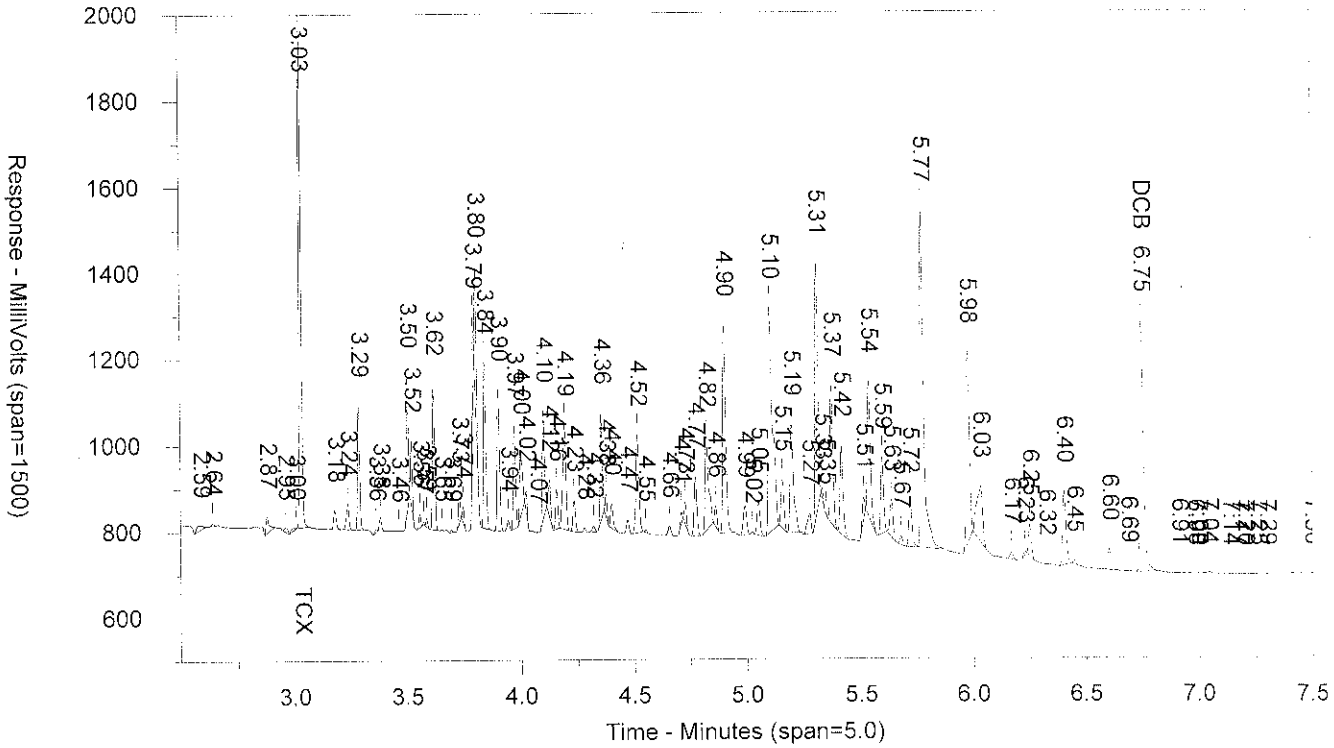

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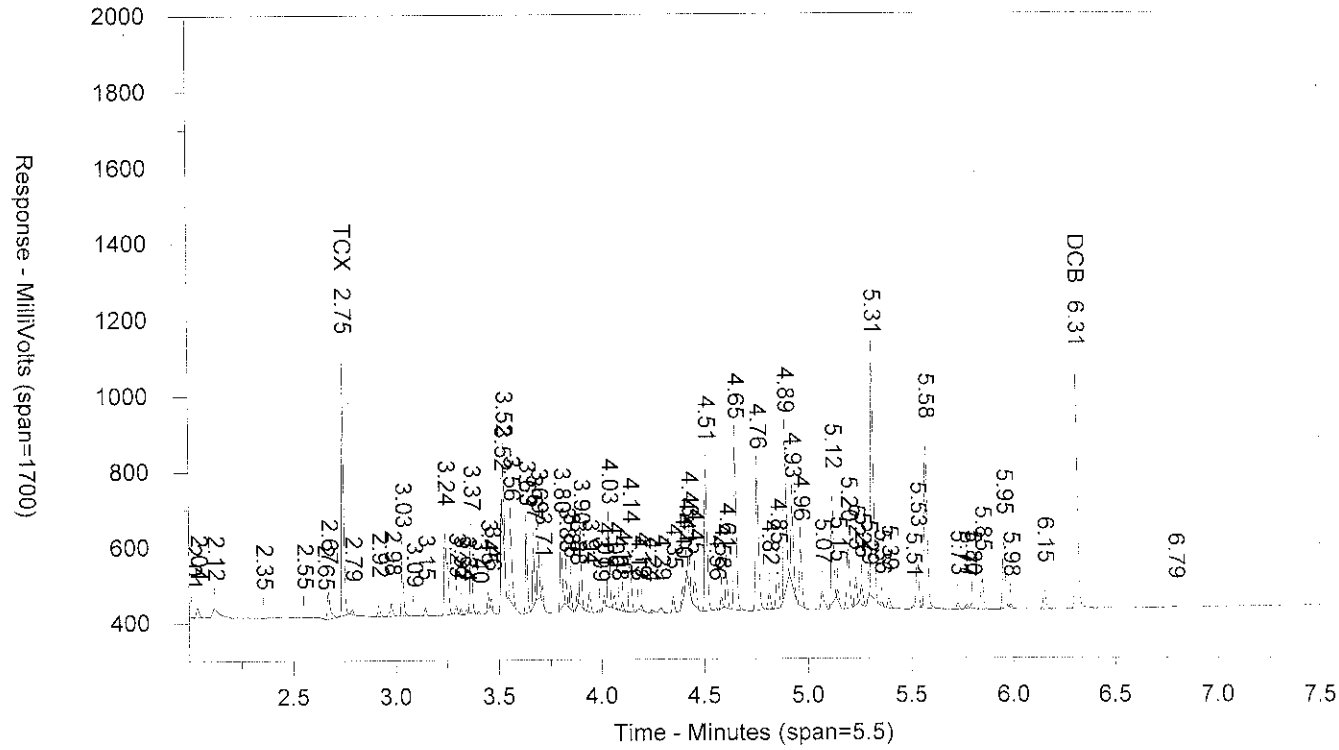

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:26:55 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.663		9612	57324
1.808		1381	655
2.045		1875	1302
2.124		28355	58890
2.178		61819	129324
2.242		9298	12948
2.315		12142	7424
2.41		46552	28615
2.466		6049	6140
2.586		8677	19077
2.639		4344	3245
2.662		5141	2456
2.875		45379	51731
2.961		12427	13592
3.028	TCX	2612275	1767843
3.18		83452	71278
3.237		113859	90990
3.285		517831	350942
3.363		6708	5834
3.38		58444	37207
3.502		569331	333416
3.519		281816	147587
3.556		62118	34947
3.572		15021	6115
3.586		37902	18901
3.618		626561	455783
3.652		3975	1789
3.674		7064	4142
3.694		14072	8426
3.73		139615	81115
3.745		69418	36445
3.792		367817	202572
3.803		639505	323158
3.842		730682	543865
3.903		605489	458866
3.944		45804	32120
3.972		425891	312799
4		311166	260660
4.023		86265	44697
4.101		457188	331979
4.125		163409	105715
4.157		177646	128071
4.193		459349	452777
4.235		140580	112039
4.281		17545	13253
4.322		24038	20252
4.357		446279	331358
4.377		98421	57552
4.401		115769	85812
4.472		59909	49455
4.516		427701	402220
4.55		11091	6810
4.588		1826	852

RT A	Compound A	Height A	Area A
4.614		4027	2503
4.658		42447	41179
4.712		50147	32449
4.728		100629	69516
4.774		252676	224205
4.823		408640	453437
4.861		93216	67357
4.902		907333	853561
4.99		129108	137231
5.024		11795	7924
5.051		151418	138691
5.103		768470	610896
5.119		82332	49817
5.154		215791	188044
5.196		482974	530696
5.275		90872	107256
5.31		1111831	1033645
5.331		33410	19025
5.349		10866	4200
5.374		603862	549832
5.417		377029	357128
5.513		99917	80695
5.537		597560	555692
5.594		334913	294848
5.634		171979	160470
5.675		36601	33542
5.717		203841	209678
5.773		1497118	1694833
5.979		881671	846748
6.032		249945	438145
6.166		31084	29051
6.226		15617	12302
6.25		143395	120548
6.403		339303	339101
6.447		17169	14996
6.603		88502	93142
6.706		2005	594
6.749	DCB	1113497	1202408
7.012		1142	922
7.039		1383	447
7.198		962	442
7.248		1222	581
7.348		1110	517
7.377		1152	466
7.489		1167	503
7.582		1411	550
7.842		1358	643
8.221		1451	449
8.4		1852	1490
8.548		1493	391
8.634		1311	827
8.677		1099	443

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:26:55 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.598		2187	4068
1.855		4864	29869
1.902		5741	12531
2.039		33052	45038
2.121		25426	47120
2.391		2808	5316
2.427		4003	3718
2.655		4155	2568
2.673		78738	82017
2.746	TCX	1263260	871952
2.789		25375	19666
2.918		56881	44639
2.967		7489	3176
2.98		53119	31822
3.033		293546	211657
3.084		3498	2407
3.145		39591	28635
3.242		407660	436939
3.294		43795	28020
3.316		25067	15902
3.343		23325	13144
3.366		364711	275135
3.402		11756	7458
3.43		1841	774
3.449		85356	48339
3.464		46030	24022
3.515		152626	86414
3.524		356718	173464
3.559		368427	295092
3.634		386305	274360
3.668		276243	183666
3.692		278084	172239
3.711		80023	42670
3.801		339187	249887
3.826		118835	70231
3.848		115145	75495
3.879		63377	35637
3.897		261689	180430
3.941		98578	80754
3.989		12922	11713
4.012		65739	42097
4.035		365531	270571
4.062		69845	44139
4.082		9213	4417
4.102		43209	29700
4.139		317427	247317
4.176		10872	6479
4.193		22167	15677
4.243		6266	8011
4.289		24471	27198
4.351		79805	63993
4.397		69310	43820
4.415		41513	22563
4.428		195401	126624

4.455		116155	123902
4.51		679549	602497
4.558		9824	8071
4.583		59606	43223
4.608		157090	124629
4.652		818097	731446
4.76		633448	680888
4.817		83067	76160
4.856		185109	172444
4.892		773406	709315
4.926		387155	315083
4.966		283663	241478
5.07		95693	106015
5.122		528481	444692
5.146		52271	34330
5.197		293737	278526
5.232		133506	110602
5.261		93465	82380
5.294		18054	12486
5.315		1170080	1063108
5.356		23143	18274
5.391		53154	47797
5.508		11066	7193
5.531		268032	234469
5.576		814721	937610
5.732		28610	25927
5.775		20447	16031
5.8		24047	19803
5.849		145468	139637
5.954		330701	293060
5.985		16287	11850
6.153		96390	89498
6.313	DCB	1102966	1107925
6.761		1591	1123
6.793		2573	3362
8.617		4919	10495

AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608

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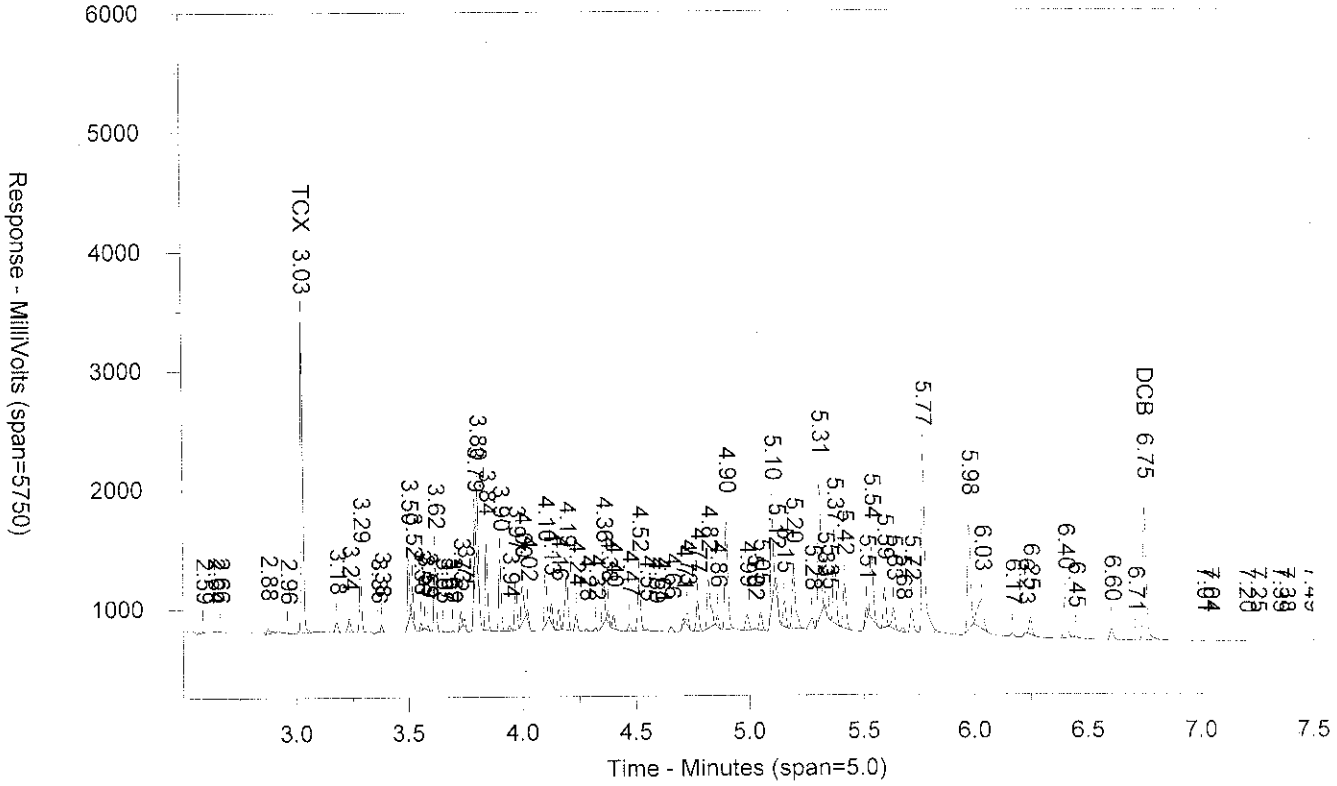

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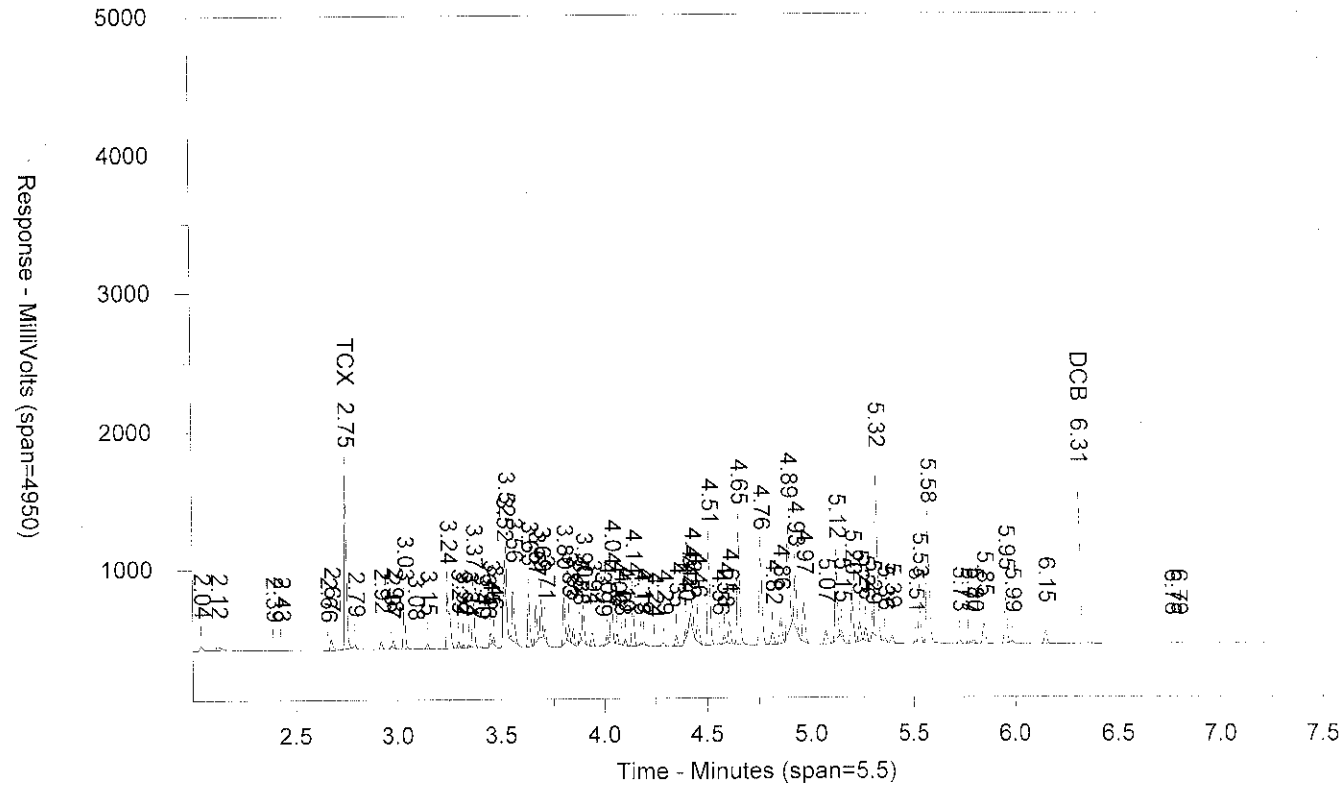

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:26:55 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	2612275	4.051	TCX	2.746	1263260	4.058	TCX
6.749	1113497	4.324	DCB	6.313	1102966	4.601	DCB

Files:
Area File: 07pcbs17299001.0008.RAW
Area File: 07pcbs17299001B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:35:38 PM
File Reported On: 10/29/2017 at 12:43:52 PM

AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608

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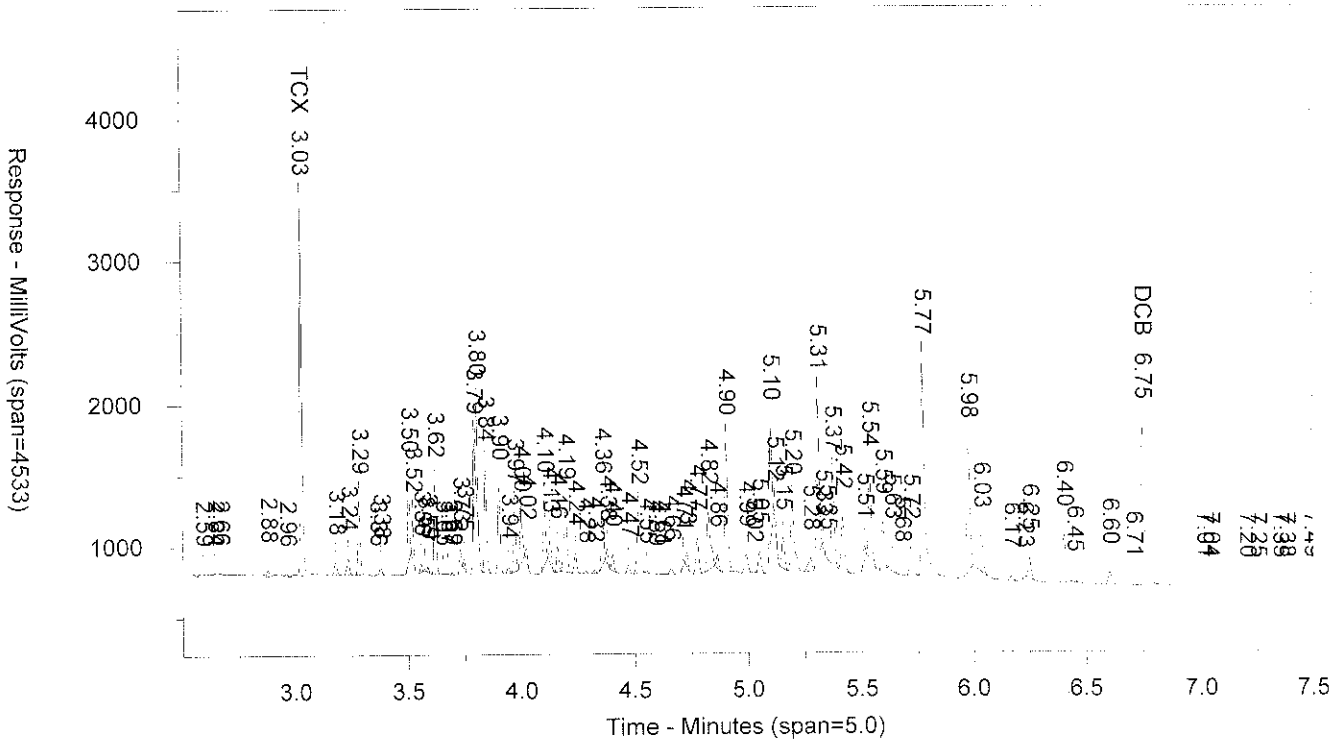

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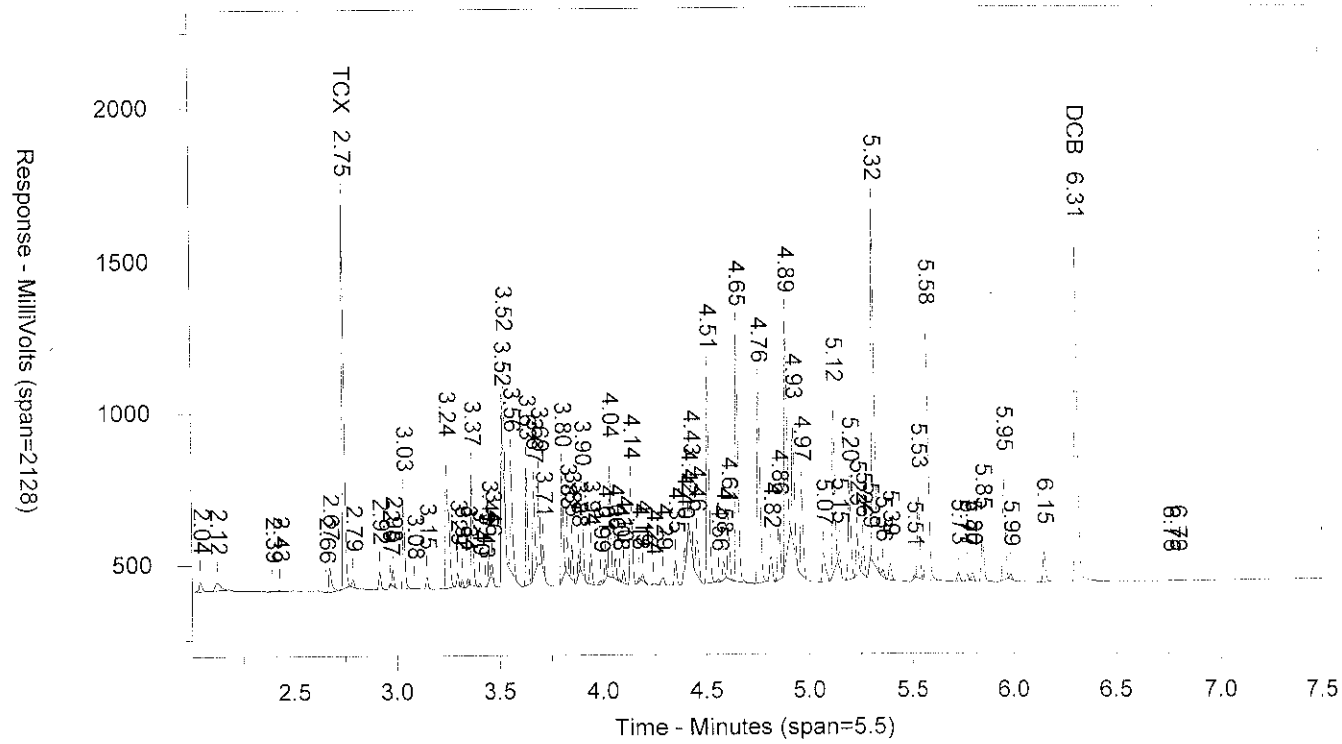

AR1621724B AAAR162AA ICAL 1729899999 06030 EPA 608

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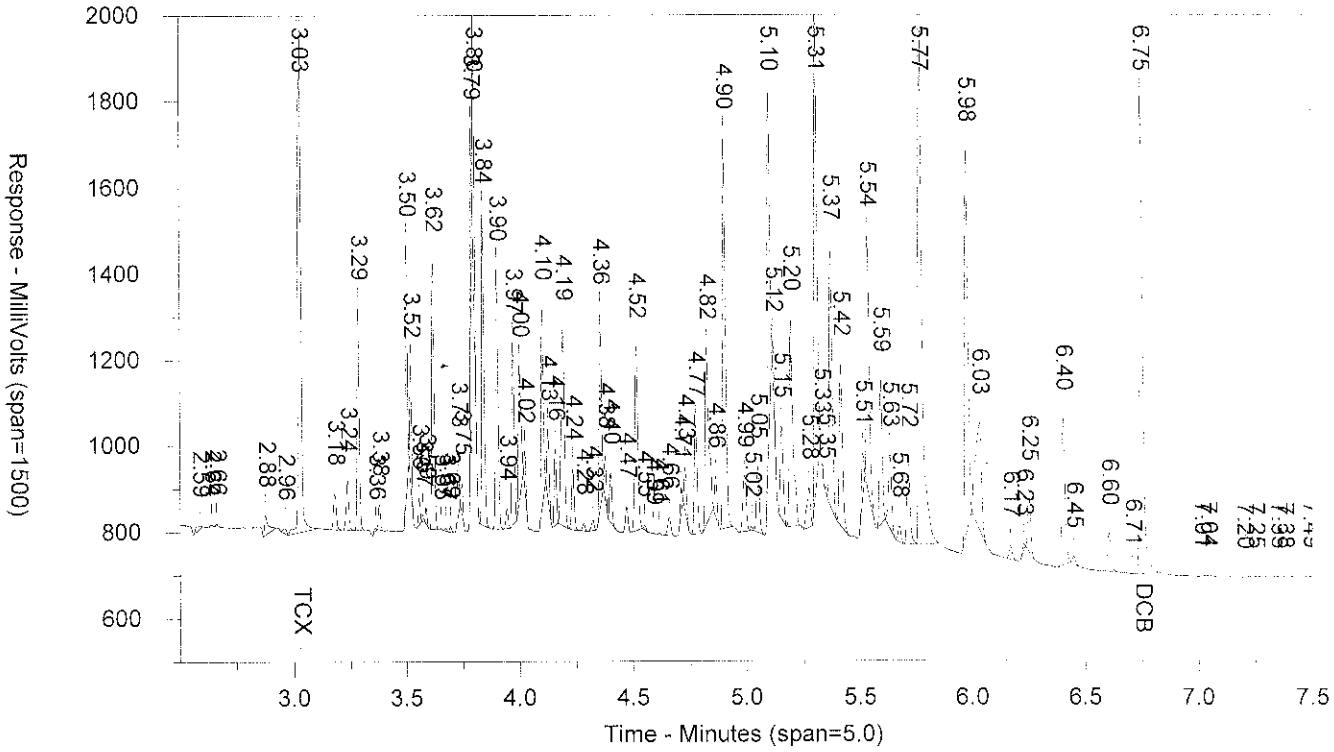

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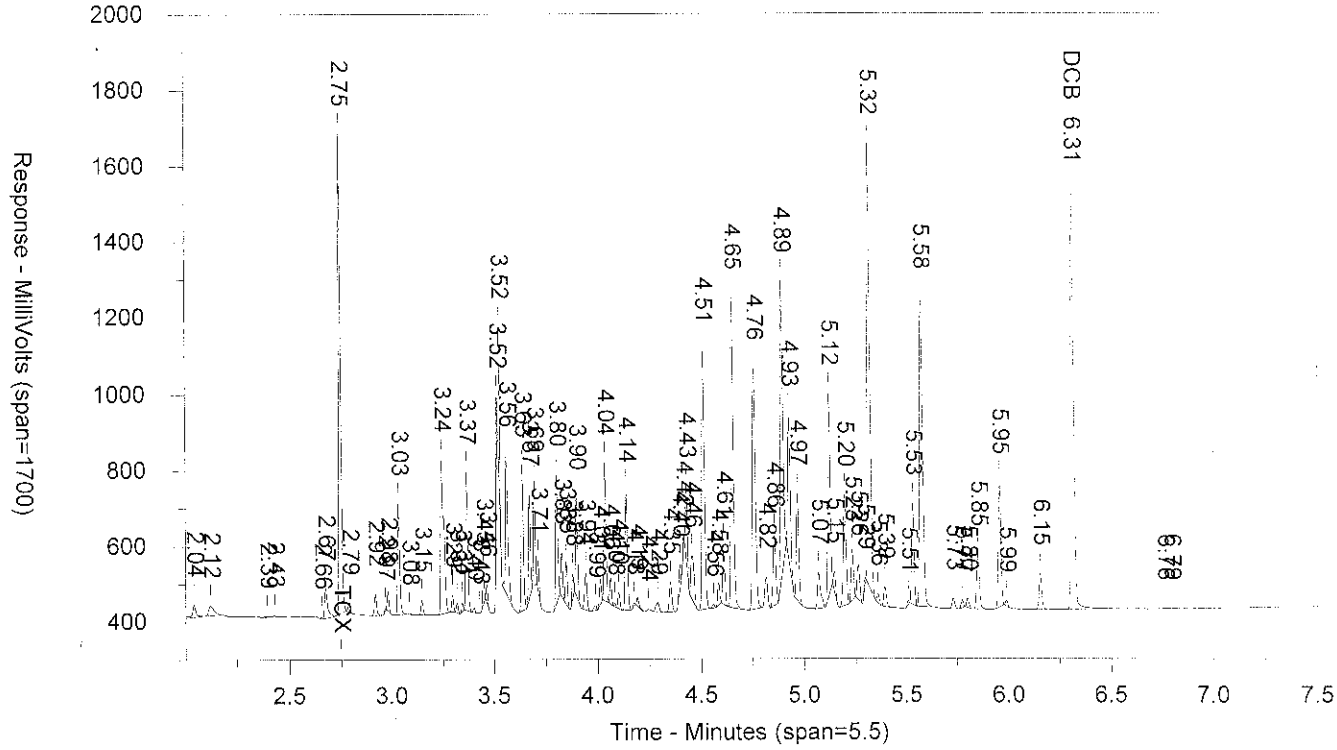

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:38:20 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: 07pcbs17299001.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.641		15090	22862
1.858		2798	1535
2.053		2530	1970
2.126		43773	101403
2.178		78488	256110
2.251		15516	41116
2.315		58696	40523
2.41		41031	26449
2.426		21771	14449
2.464		3634	2935
2.58		7003	11760
2.639		5710	4304
2.662		10781	8117
2.874		26109	23542
2.962		11913	10487
2.999		4209	10215
3.028	TCX	14078170	9047796
3.179		172854	141490
3.236		243359	239787
3.285		1069072	697691
3.361		26761	16091
3.379		118177	72241
3.501		1118425	663995
3.518		550801	295696
3.555		129709	72112
3.571		31519	12457
3.585		76997	39048
3.617		1317278	921478
3.652		6479	3695
3.673		28882	18184
3.692		31591	17840
3.729		265579	159262
3.744		139188	73654
3.79		777671	397692
3.803		1300167	692814
3.841		1465072	1112408
3.902		1263699	936335
3.943		92238	65006
3.971		868041	624711
3.999		625606	519559
4.022		179344	94759
4.1		948217	670049
4.125		330735	215455
4.156		349236	255822
4.192		929236	915365
4.233		280745	223232
4.28		35181	26749
4.32		47990	38839
4.356		920088	664540
4.375		207240	115161
4.4		230796	176768
4.47		119760	100839
4.514		867021	810122

RT A	Compound A	Height A	Area A
4.549		23047	15214
4.614		6941	4906
4.656		85633	81506
4.711		102324	65752
4.727		202902	139984
4.773		515063	453841
4.822		829997	911454
4.86		186441	136103
4.899		1903521	1742121
4.989		270400	276999
5.023		26659	18709
5.049		299012	273888
5.102		1626334	1279118
5.118		154057	86271
5.153		430696	381936
5.194		1004231	1093958
5.235		8176	4331
5.274		205691	244228
5.308		2382017	2176802
5.331		88745	41221
5.348		28139	10985
5.373		1263729	1135097
5.415		763719	730084
5.512		211711	176461
5.536		1325318	1148731
5.593		681628	602461
5.633		361774	331056
5.674		86024	82502
5.716		430842	423084
5.773		3229531	3604223
5.977		1803997	1752634
6.032		502510	895623
6.166		101464	102905
6.228		45117	37276
6.248		268382	223686
6.403		691465	686924
6.447		33361	28282
6.602		210079	213111
6.748	DCB	5533668	5995082
7.217		2306	2640
7.266		1981	757
7.57		1648	481
7.666		1113	589
7.857		1461	664
7.872		1743	531
7.907		857	467
8.171		1555	957
8.3		1332	502
8.401		1594	1131
8.486		1568	478
8.538		1160	467

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:38:20 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: 07pcbs17299001B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.63		1770	9289
1.787		1281	939
1.919		25059	104355
2.046		42141	95565
2.122		14876	26399
2.176		10958	9036
2.385		2796	4676
2.426		7376	6765
2.654		2540	1504
2.673		44540	47093
2.746	TCX	6832868	4660028
2.788		42115	29290
2.918		109883	85702
2.967		42083	20868
2.98		80478	43509
3.032		565577	409520
3.084		14593	9441
3.145		78954	56664
3.241		741200	838011
3.294		86858	56920
3.316		42952	27021
3.342		50023	27989
3.365		720600	533293
3.402		24341	14794
3.429		14522	6907
3.448		165938	94946
3.464		86682	45512
3.515		227963	153946
3.524		730528	347189
3.559		714466	543900
3.633		762789	540170
3.667		525437	354285
3.692		545527	333639
3.71		156016	84913
3.801		645553	482793
3.825		223088	133129
3.847		219510	144724
3.878		126385	71892
3.896		524637	356910
3.94		197529	158080
3.988		28341	25256
4.012		126218	81778
4.034		713845	525336
4.061		135341	86430
4.081		16975	7972
4.101		79317	54570
4.138		606036	477659
4.175		19527	12297
4.191		47131	35017
4.254		5992	8590
4.29		48322	55229
4.35		155437	125496
4.396		138270	88714
4.415		56643	39282

4.427		380464	247451
4.456		236625	243640
4.509		1335366	1177441
4.556		19811	15755
4.581		119827	83675
4.606		302226	237195
4.651		1599395	1421855
4.759		1282937	1346275
4.815		163459	148593
4.854		358056	334510
4.891		1559701	1424584
4.925		785701	632820
4.965		559496	478238
5.069		187750	212085
5.121		1044524	881717
5.145		102988	66067
5.196		564332	544687
5.232		261105	214023
5.26		178039	162648
5.293		44755	26837
5.314		2390138	2155895
5.356		47117	35548
5.39		125586	115553
5.507		21379	13340
5.53		518860	456498
5.575		1674623	1893121
5.732		97777	89402
5.774		40262	30319
5.8		89725	76386
5.849		300772	283603
5.953		634422	581607
5.985		33374	23982
6.152		211063	206839
6.313	DCB	5414737	5252540
6.759		4168	3236
6.793		2512	2286
6.937		1663	1518
8.617		4873	10072

AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608

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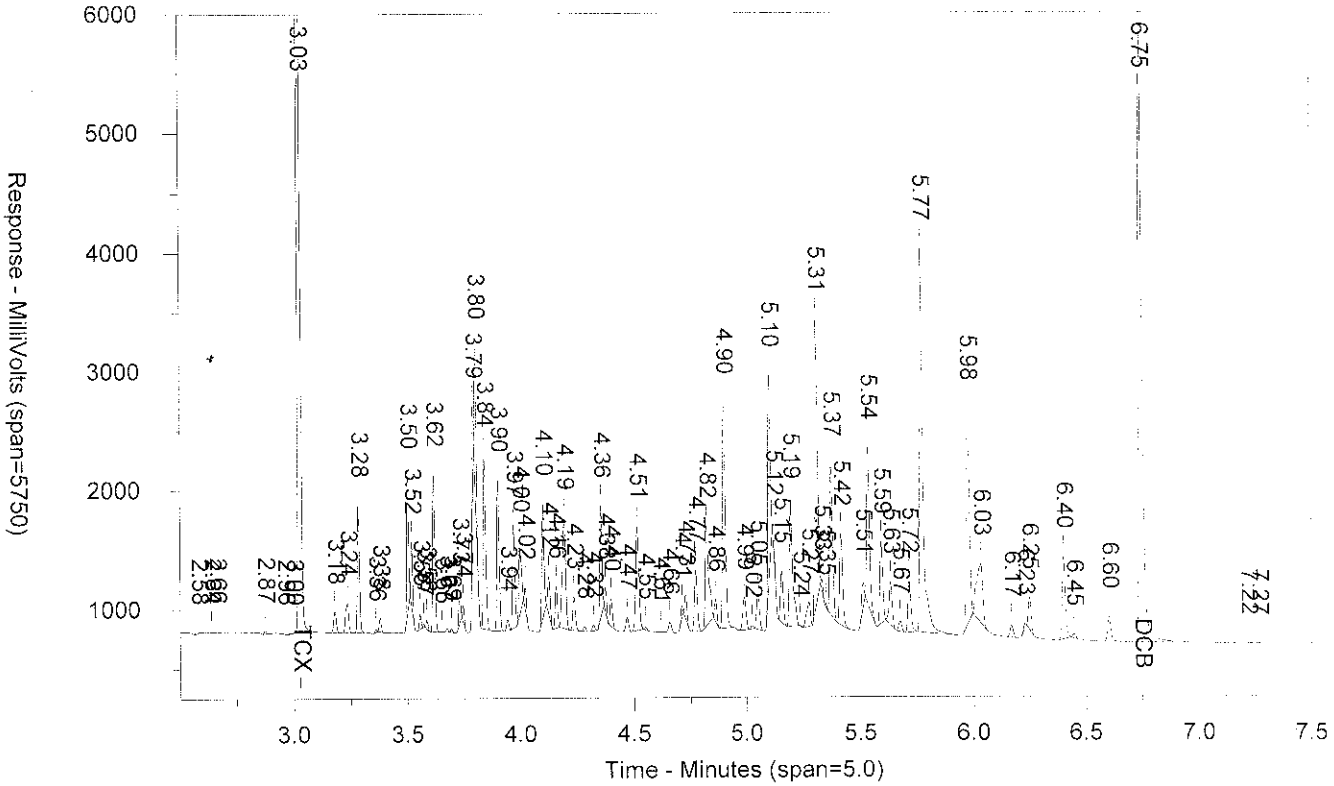

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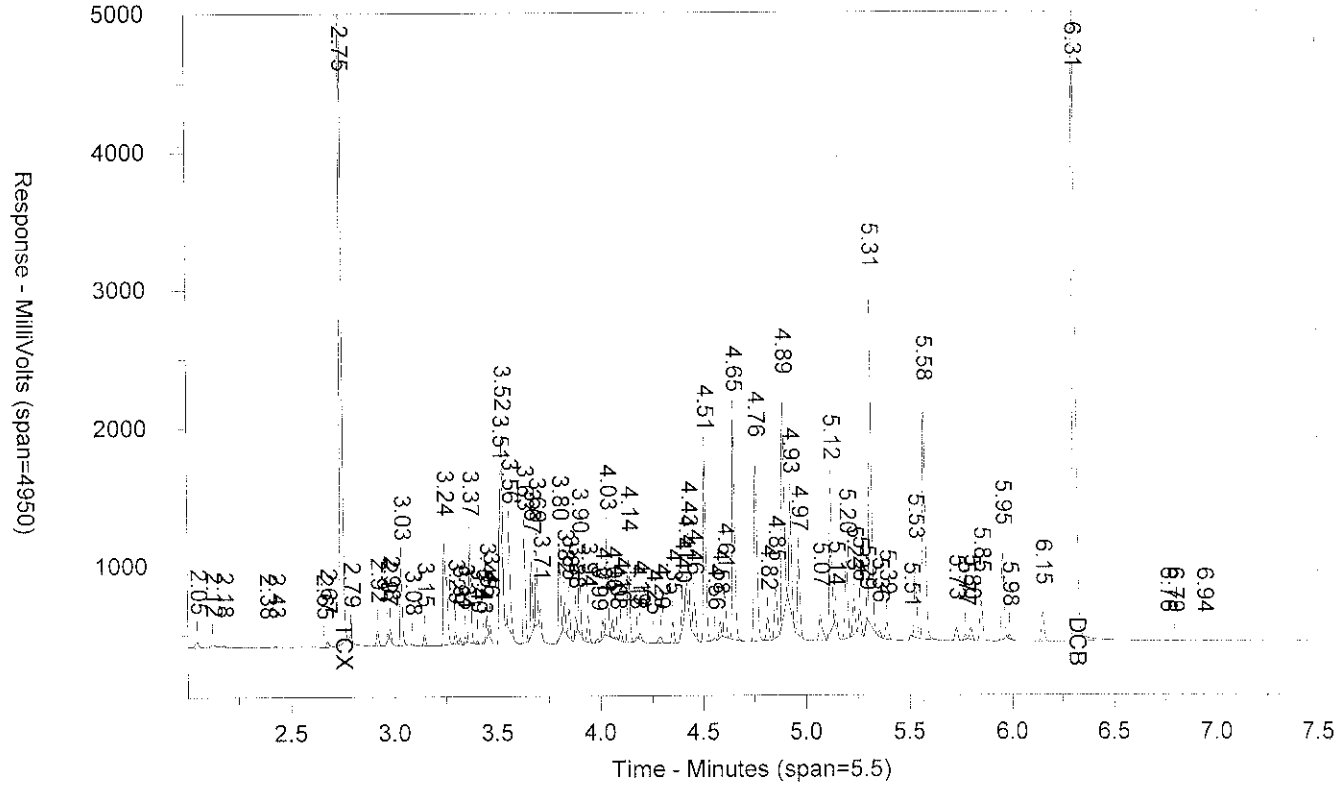

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:38:20 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
3.028	14078170	21.499	TCX	2.746	6832868	21.457	TCX
6.748	5533668	21.046	DCB	6.313	5414737	21.88	DCB

Files:
Area File: 07pcbs17299001.0009.RAW
Area File: 07pcbs17299001B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:47:00 PM
File Reported On: 10/29/2017 at 12:44:06 PM

AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608

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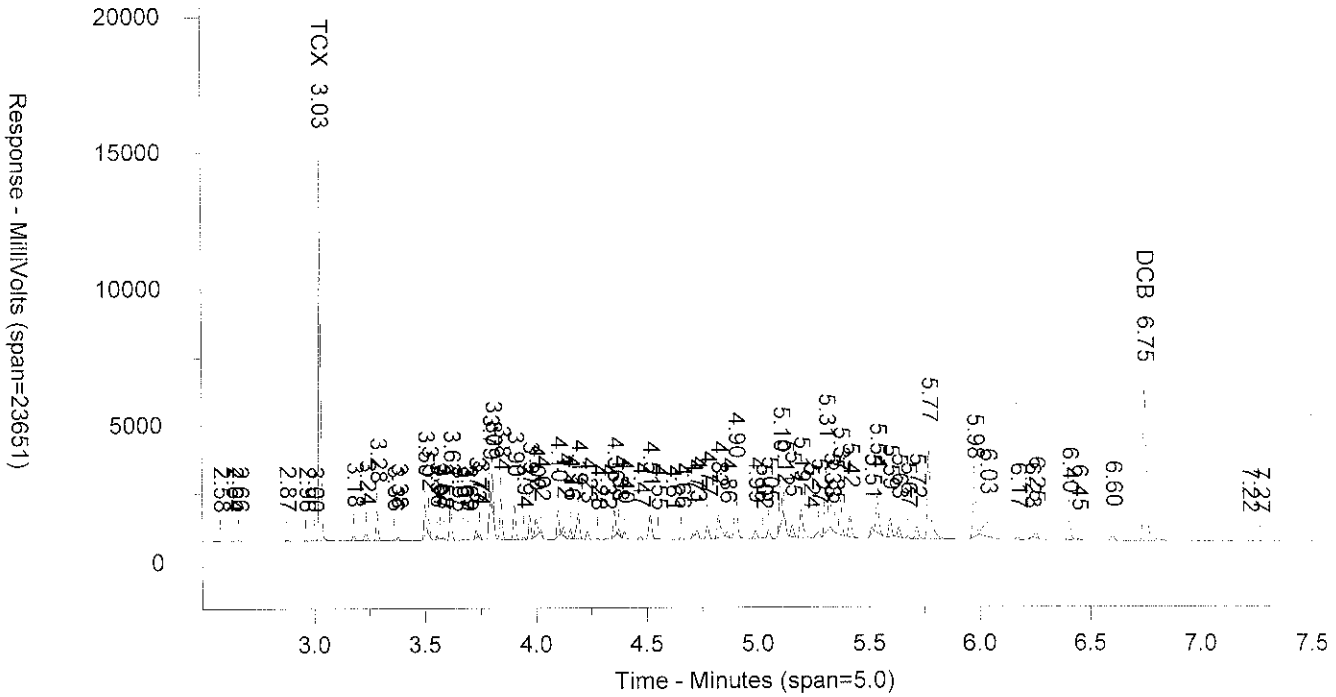

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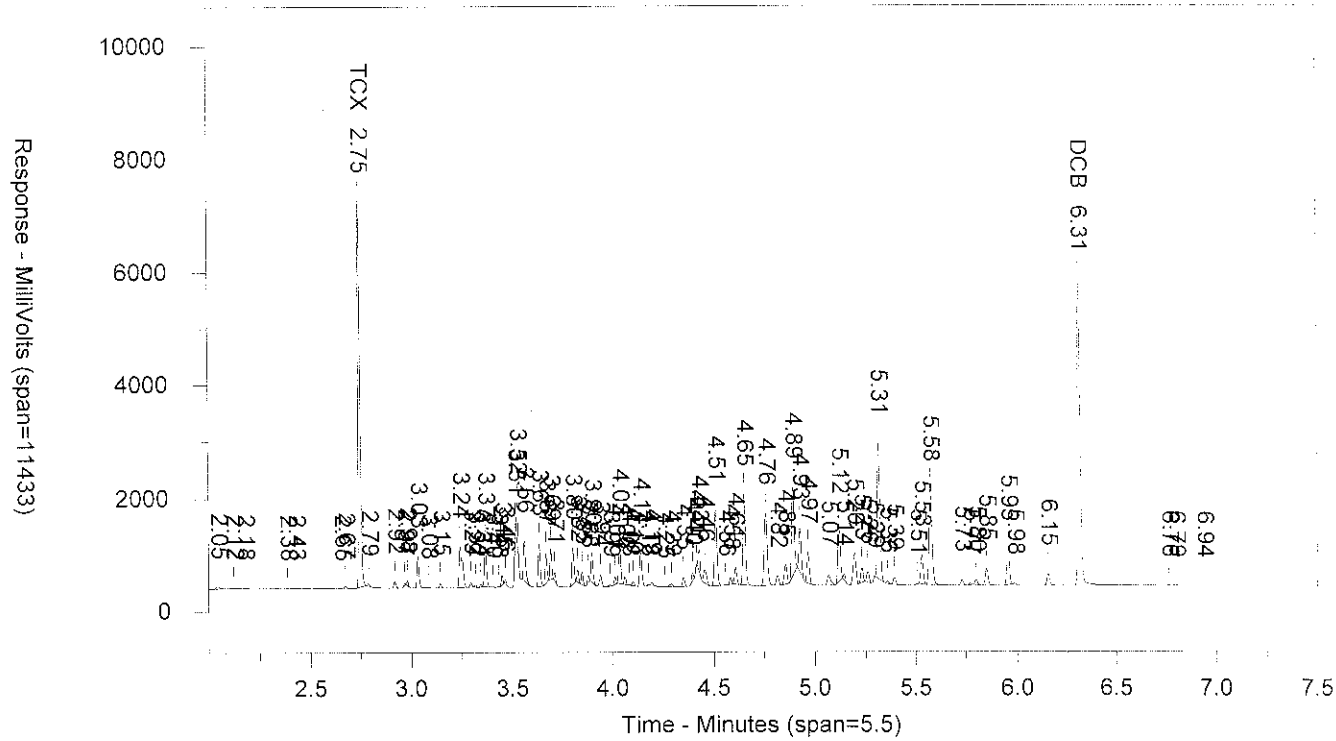

AR1631724B AAAR163AA ICAL 1729899999 06030 EPA 608

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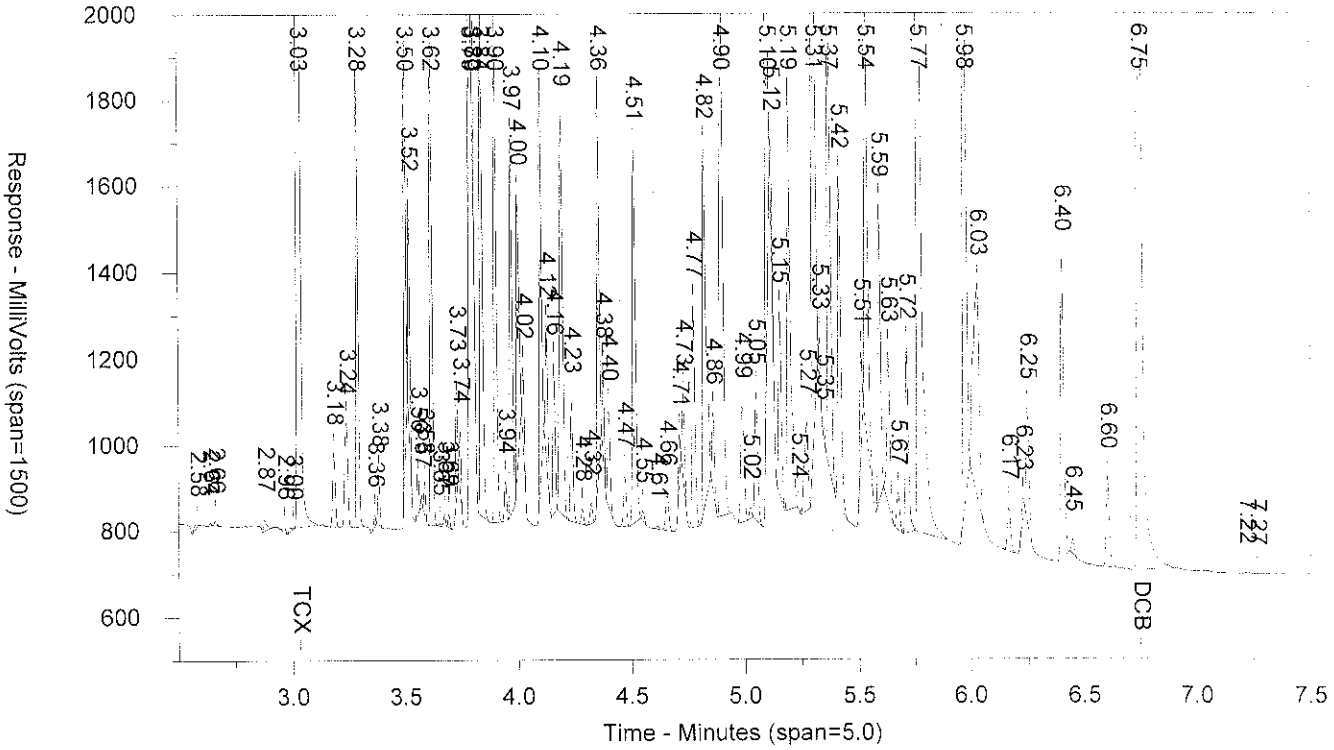

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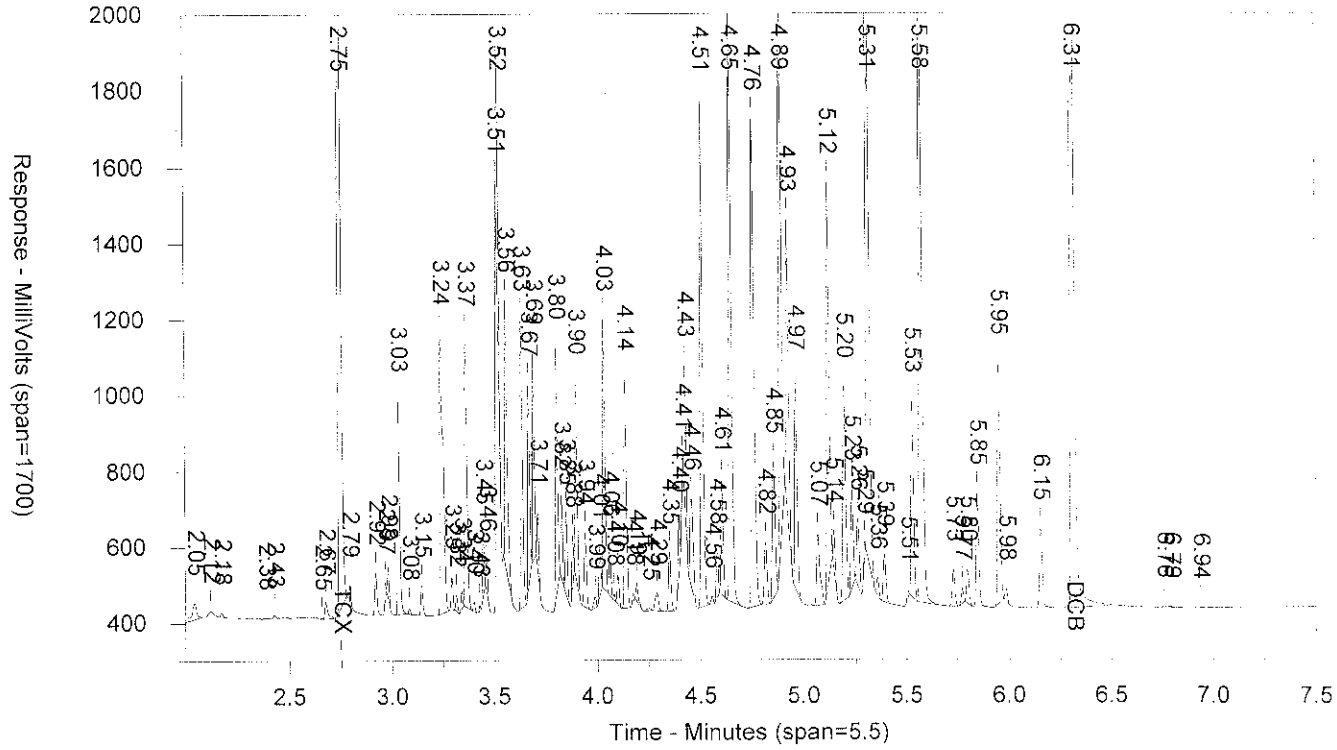

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:49:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.639		8483	10124
2.121		22220	46159
2.178		57951	131120
2.245		7367	9438
2.315		115740	81045
2.409		43029	27559
2.426		44146	29865
2.467		4340	2929
2.581		6392	10480
2.638		4336	3113
2.662		22612	15501
2.874		45578	54097
2.96		11475	12238
3.028	TCX	29464330	18419240
3.128		4397	2478
3.179		346262	285090
3.235		489398	479970
3.284		2117027	1407489
3.36		48541	26636
3.378		238016	148032
3.416		6160	5180
3.5		2318513	1338950
3.517		1141326	599825
3.554		255964	145469
3.57		66839	27039
3.584		156804	80114
3.616		2660757	1879940
3.651		12419	6450
3.673		48364	29016
3.692		73517	44646
3.728		545587	319998
3.744		287362	148365
3.79		1461990	778394
3.802		2925150	1527108
3.84		3085086	2297206
3.901		2630102	1936149
3.943		184529	132133
3.97		1753138	1262820
3.999		1256871	1074126
4.021		359352	190554
4.099		1933731	1370560
4.124		705959	448579
4.156		710397	517220
4.191		1928693	1888813
4.232		568444	454893
4.279		74375	54802
4.32		98800	78198
4.355		1848094	1345766
4.375		423983	232588
4.399		467837	358161
4.47		241675	206377
4.514		1777482	1639861
4.549		44625	29238

RT A	Compound A	Height A	Area A
4.612		14525	12067
4.655		185802	175269
4.71		195925	128320
4.727		408862	283292
4.773		1059288	919688
4.821		1685032	1857451
4.859		392798	278641
4.899		3902882	3591415
4.943		16311	11414
4.989		542083	558110
5.023		58234	39172
5.048		618107	545350
5.101		3350515	2740911
5.117		242964	166698
5.152		891268	783729
5.193		2170708	2266030
5.235		19005	9644
5.273		415334	491229
5.308		5155391	4585426
5.33		179971	84183
5.347		48476	19542
5.372		2691207	2355148
5.415		1580416	1497332
5.512		442959	364123
5.536		2679556	2405707
5.593		1406172	1226096
5.632		746992	677089
5.674		183491	173542
5.716		885442	869333
5.772		6866926	7447593
5.978		3949811	3658337
6.032		1049683	1898909
6.165		200689	193642
6.229		88267	74789
6.249		563793	463993
6.402		1441420	1388135
6.447		68374	58783
6.602		419150	432219
6.747	DCB	11597880	11785510
7.219		7898	9120
7.274		1267	729
7.39		1562	485
7.48		1111	603
7.588		1451	696
7.748		1336	874
7.777		1206	386
7.927		1052	874
7.953		1423	322
7.994		1402	720
8.036		1786	1019
8.149		1691	825
8.187		1279	422
8.302		1187	273
8.394		1452	1127
8.402		1814	430

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:49:45 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.595		2219	4183
1.898		6532	14136
2.047		64593	82197
2.121		22871	40005
2.176		21792	16682
2.426		12547	9700
2.492		1740	2793
2.608		3523	8391
2.656		5090	3354
2.673		79799	83619
2.746	TCX	14044460	9463843
2.789		80701	58106
2.918		214757	169042
2.967		78546	39028
2.979		153610	84870
3.033		1116252	804000
3.084		29196	18187
3.145		152438	111237
3.241		1471024	1616268
3.293		166172	110407
3.315		77027	47028
3.342		97711	56711
3.365		1425094	1044147
3.401		51753	30869
3.429		24678	11714
3.447		336657	188578
3.463		172531	90195
3.514		509018	289283
3.523		1530594	736510
3.543		22180	6119
3.558		1447008	1088530
3.633		1553321	1089754
3.666		1032408	687702
3.691		1038542	652223
3.71		311050	168411
3.801		1305623	951526
3.825		436338	262647
3.846		427586	285833
3.878		242086	135749
3.896		1015299	705061
3.94		381476	312687
3.988		54879	50051
4.011		266289	166615
4.034		1414278	1032471
4.061		263212	170760
4.081		33288	15217
4.1		153279	105217
4.137		1152257	920666
4.174		40746	26920
4.191		87682	65424
4.255		10097	12292
4.289		96099	112622
4.325		3809	1847
4.349		302424	245607

4.395		232705	154267
4.414		110011	67587
4.426		756878	480125
4.454		456124	478931
4.509		2663259	2305376
4.556		35715	30275
4.581		238792	168029
4.606		582998	457839
4.65		3231663	2793585
4.758		2631284	2687803
4.815		318277	288407
4.854		683726	653708
4.891		3213055	2897628
4.925		1551297	1229309
4.965		1090565	934876
5.026		4428	4977
5.069		381078	421876
5.121		2024707	1739596
5.145		216878	137771
5.195		1124478	1056921
5.231		518965	420153
5.259		362240	325533
5.292		88096	53975
5.314		5028864	4412841
5.355		89833	68015
5.39		248638	224436
5.506		41218	27278
5.53		1007122	887333
5.575		3424619	3813679
5.731		177663	164316
5.773		75194	58575
5.799		161409	139691
5.848		586767	553901
5.952		1224495	1147096
5.984		64244	47741
6.109		2711	2708
6.152		410157	403315
6.312	DCB	10920490	10257510
6.758		8751	12687
7.712		1672	3684
8.617		4710	10998

Chrom Perfect Chromatogram Report

AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608

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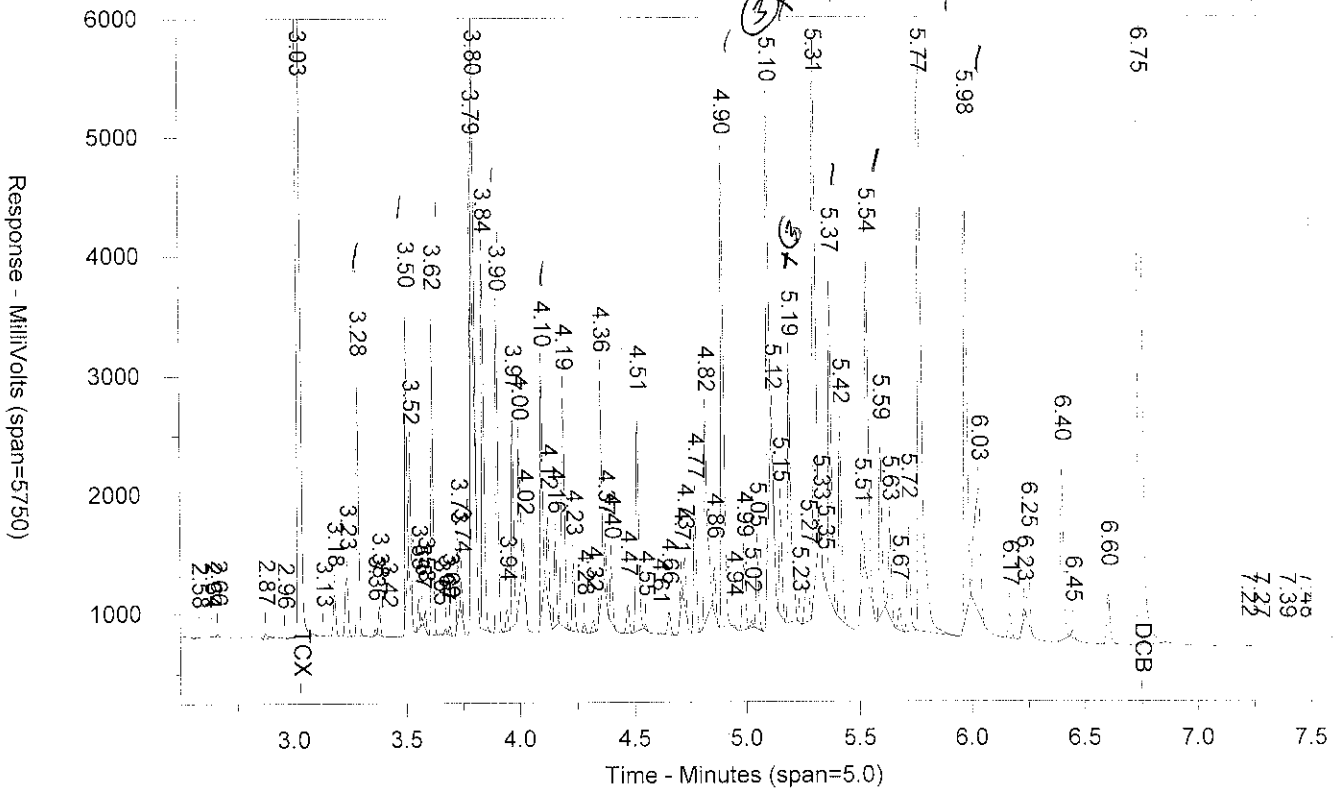

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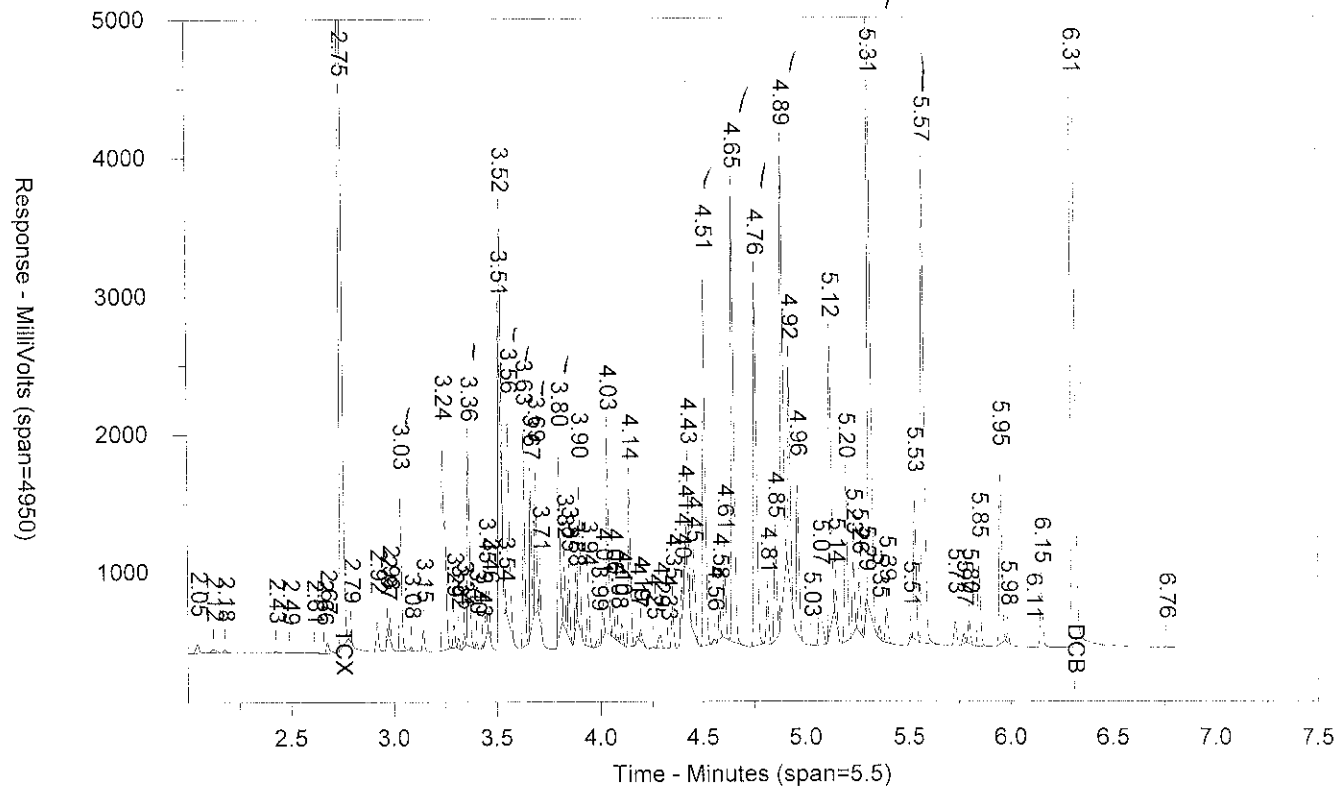

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608
Injected On: 10/26/2017 11:49:45 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	29464330	44.35	TCX	2.746	14044460	43.41	TCX
6.747	11597880	43.396	DCB	6.312	10920490	42.897	DCB

Files:
Area File: 07pcbs17299001.0010.RAW
Area File: 07pcbs17299001B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 11:58:25 PM
File Reported On: 10/29/2017 at 12:44:28 PM

AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608

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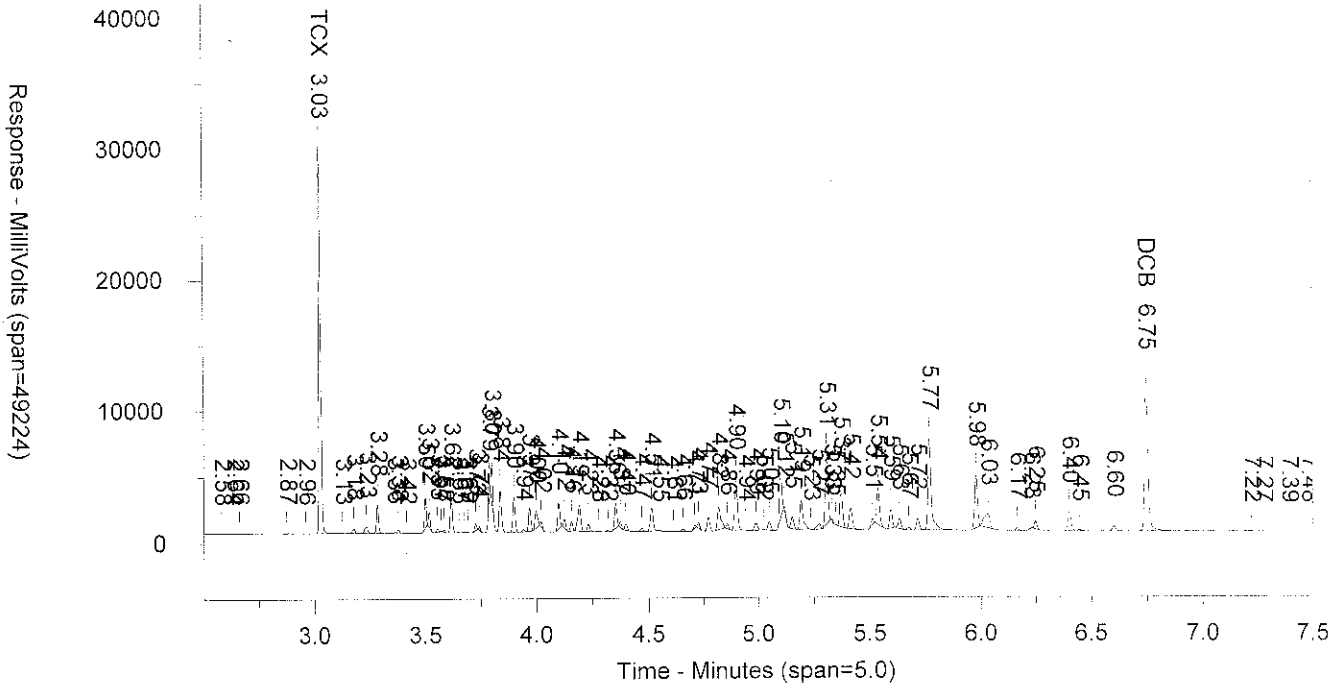

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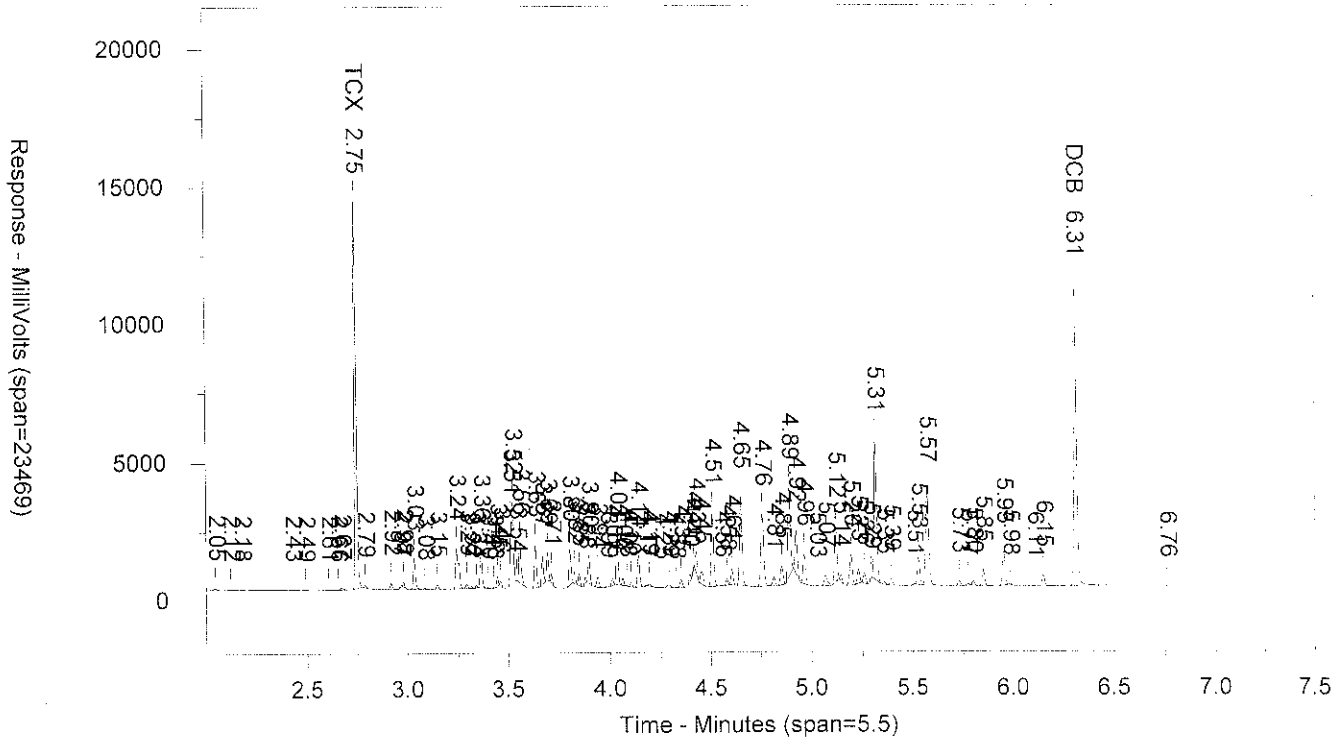

AR1641724B AAAR164AA ICAL 1729899999 06030 EPA 608

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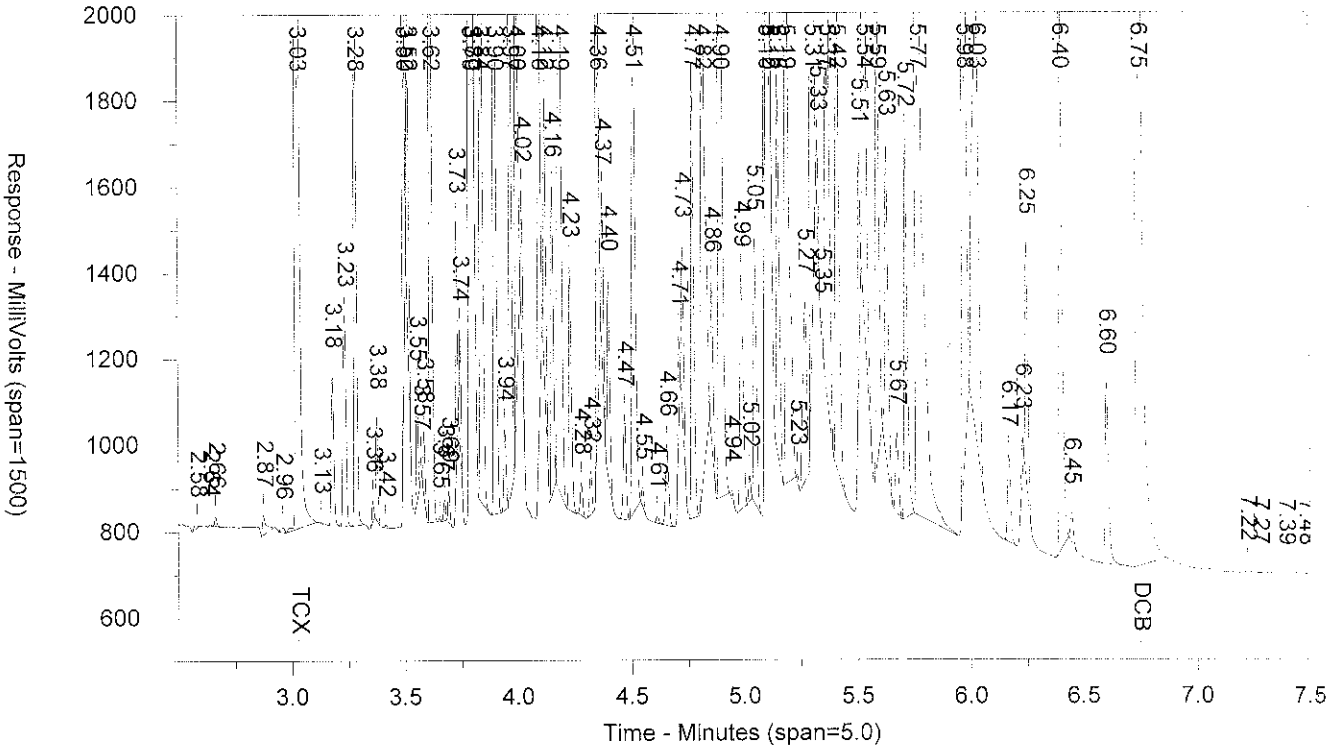

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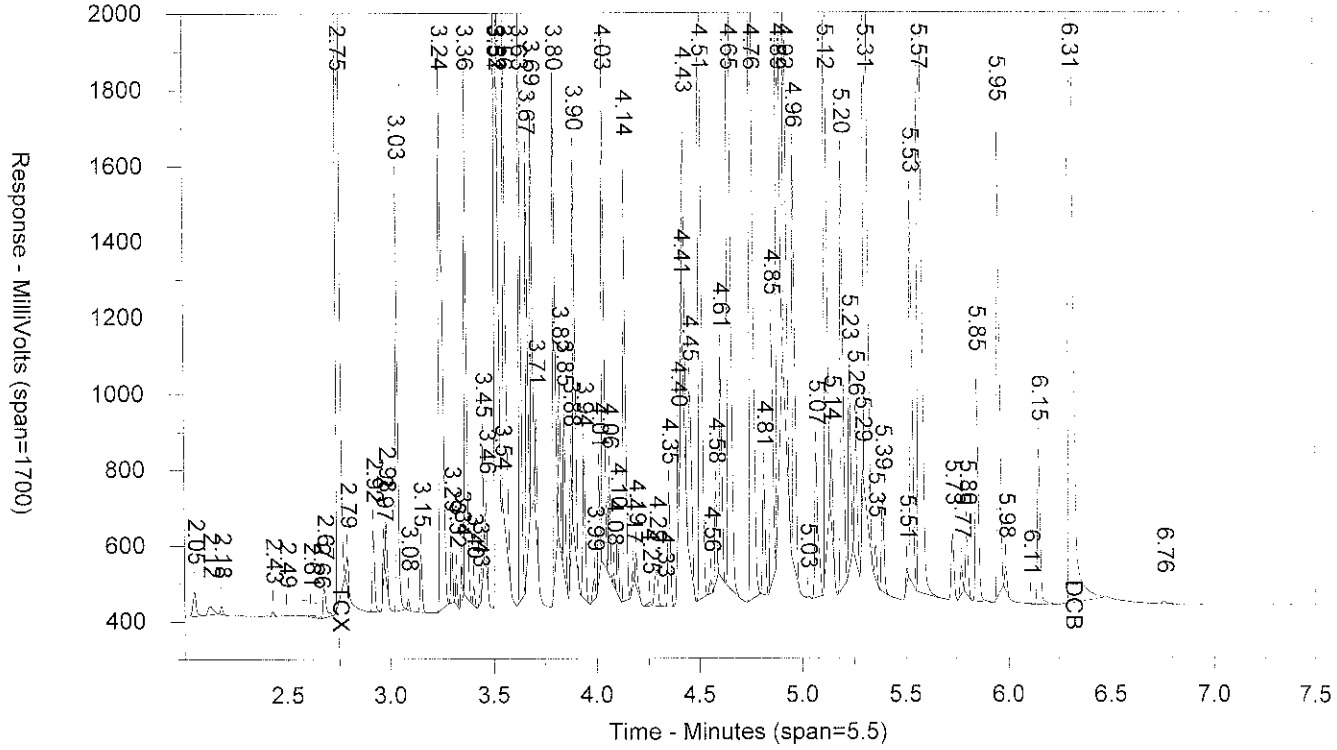

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:01:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.658		13212	52469
1.857		2133	1124
2.05		2015	1523
2.129		35242	117043
2.179		74039	197766
2.241		28281	63301
2.315		194587	173390
2.409		53956	39105
2.426		72959	56780
2.463		9754	16158
2.575		13733	16195
2.64		2529	1444
2.662		53546	35055
2.874		44846	35088
2.958		8510	7357
3.028	TCX	44071240	28370750
3.128		7827	4222
3.179		824981	688206
3.236		1140818	982555
3.285		5200104	3506546
3.361		73749	39290
3.379		584641	370321
3.419		15085	9571
3.501		5514924	3261022
3.518		2902018	1526790
3.555		645797	356507
3.571		148716	60254
3.585		364566	185578
3.617		6584219	4667516
3.652		30892	15221
3.673		78667	49414
3.693		183883	115836
3.729		1379875	805738
3.744		759327	379974
3.791		3790036	2081634
3.803		6983593	3618467
3.841		7889776	5835424
3.901		6709756	4978000
3.943		449439	320809
3.971		4455810	3199157
3.999		3380836	2746803
4.022		944937	501195
4.099		5001009	3517339
4.125		1661449	1127323
4.156		1884304	1317357
4.192		5078908	4941835
4.234		1483164	1153181
4.28		192015	153994
4.32		243278	192150
4.356		4803911	3458592
4.376		1075379	601331
4.4		1232222	930960
4.471		619933	514975

RT A	Compound A	Height A	Area A
4.514		4619770	4191827
4.549		113946	71291
4.615		40759	32432
4.656		435044	430193
4.711		465651	312433
4.727		1059555	715647
4.773		2664248	2371150
4.822		4527199	4807543
4.859		1026161	731741
4.9		9854719	9200618
4.943		46670	36827
4.989		1352335	1433412
5.023		118294	79924
5.05		1583117	1400298
5.102		8779069	6946550
5.118		830339	493597
5.153		2338665	2004101
5.194		5787243	6026820
5.235		53931	29358
5.273		1052713	1219826
5.308		13510680	12217510
5.331		531095	267013
5.348		146469	58740
5.373		7066298	6177475
5.416		4301139	3972039
5.513		1207314	964092
5.536		7374696	6245035
5.594		3655081	3208919
5.633		1897733	1801489
5.674		414111	396380
5.716		2442452	2285748
5.772		18039980	19224810
5.977		10245850	9460008
6.031		2814328	4989554
6.165		384195	373415
6.227		178982	159127
6.248		1450876	1235934
6.402		3551617	3496976
6.447		181147	152307
6.601		925733	990016
6.747	DCB	18103390	18339080
7.033		1776	2629
7.1		1783	902
7.145		2519	3790
7.222		12178	13849
7.301		1180	417
7.428		1394	318
7.716		1628	841
7.815		1275	400
8.094		1592	1066
8.166		1401	827
8.206		1441	630
8.458		1312	544
8.501		1976	761
8.555		1486	670
8.627		1649	1157

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:01:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.518		2741	3121
1.622		1668	8076
1.792		1873	2082
1.895		5584	10637
2.005		2838	6833
2.047		90530	90668
2.123		23457	43077
2.176		33678	26824
2.309		1900	987
2.381		2465	3122
2.425		31539	25218
2.655		4687	2788
2.673		80989	69588
2.746	TCX	21536430	14698470
2.789		203345	154179
2.918		512006	400960
2.967		97513	45244
2.98		418256	241312
3.033		2601956	1871239
3.084		44601	27773
3.145		352625	260567
3.242		3406110	3793355
3.294		393103	261675
3.316		184459	108815
3.342		235145	136202
3.365		3339327	2500033
3.402		118450	74025
3.43		36060	17355
3.448		806537	451525
3.463		411384	215198
3.514		1208884	677201
3.524		4075475	2010046
3.558		3702830	2910162
3.633		3878616	2725395
3.667		2470798	1650790
3.692		2638638	1604001
3.71		762403	403432
3.801		3219905	2329084
3.826		1096769	637042
3.847		1067285	682004
3.878		628906	349268
3.897		2547989	1758354
3.94		901582	747302
3.989		128153	115872
4.012		630647	399272
4.035		3607633	2550914
4.061		660592	421961
4.082		78612	35777
4.101		359343	245307
4.138		2785602	2219035
4.175		103792	67798
4.191		204910	152131
4.255		23671	19918
4.29		221396	266018

4.326		8413	3800
4.35		733481	592275
4.396		601980	374579
4.415		355527	234939
4.428		1794094	1164859
4.455		1120738	1141671
4.509		6653312	5708866
4.557		86823	70041
4.582		552660	404748
4.607		1425942	1112882
4.651		8263626	6961032
4.759		6659815	6664285
4.816		757593	701032
4.855		1706276	1568932
4.892		8350747	7445096
4.926		3977240	3089190
4.965		2769710	2330203
5.031		9834	11084
5.07		940638	1025395
5.122		5238270	4386480
5.146		494363	326505
5.197		2663296	2567705
5.233		1257826	1020391
5.26		869462	772089
5.293		262513	146937
5.315		13109840	11415170
5.356		226596	172637
5.39		529862	475724
5.507		91139	61442
5.531		2398880	2163118
5.576		8869048	9687294
5.732		324632	299896
5.774		189011	149900
5.8		290955	242367
5.849		1409463	1318385
5.953		3155588	2832089
5.985		152934	112439
6.153		912726	880070
6.273		2300	1798
6.313	DCB	16156980	15762850
6.486		7942	6963
6.758		13092	11855
6.937		2729	2561
8.616		4645	8039

AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608

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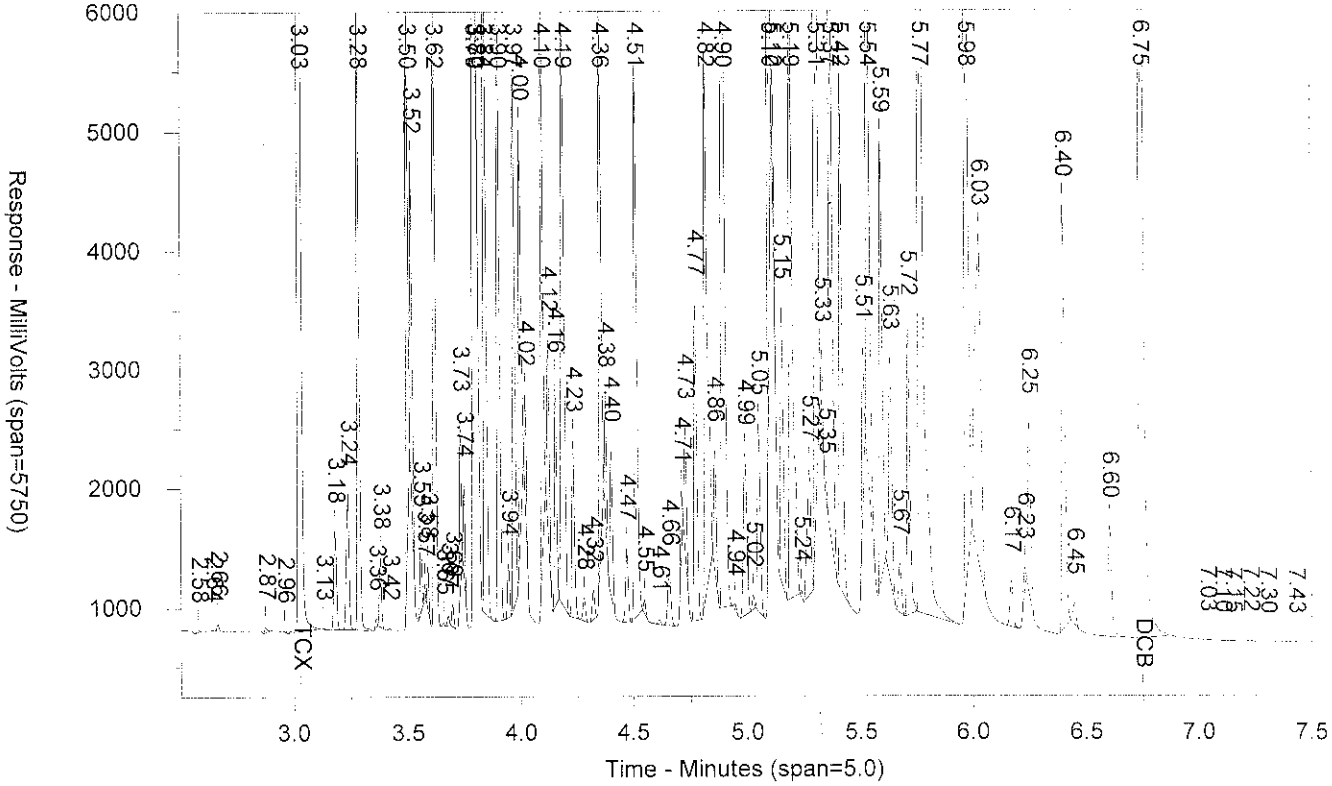

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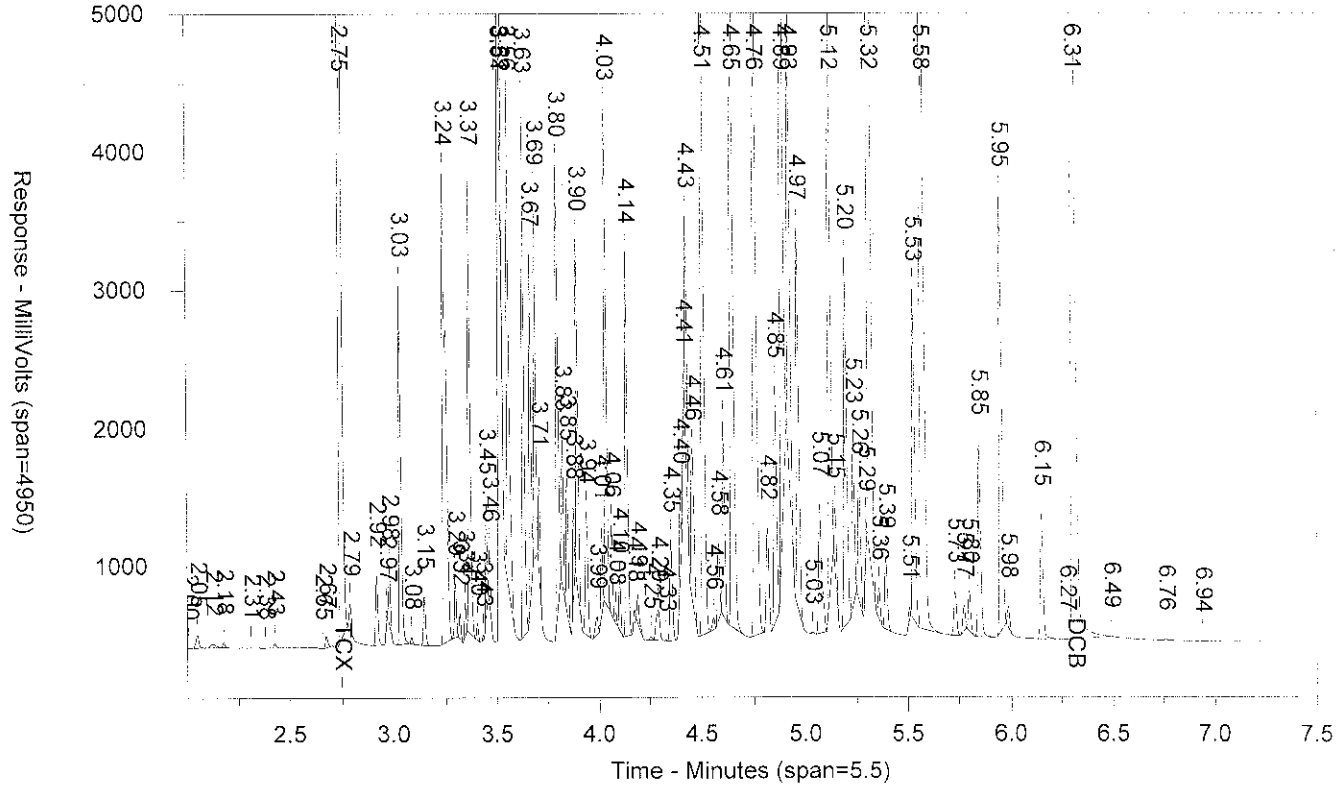

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:01:06 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	44071240	65.121	TCX	2.746	21536430	65.176	TCX
6.747	18103390	66.635	DCB	6.313	16156980	61.718	DCB

Files:
Area File: 07pcbs17299001.0011.RAW
Area File: 07pcbs17299001B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 12:09:51 AM
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AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608

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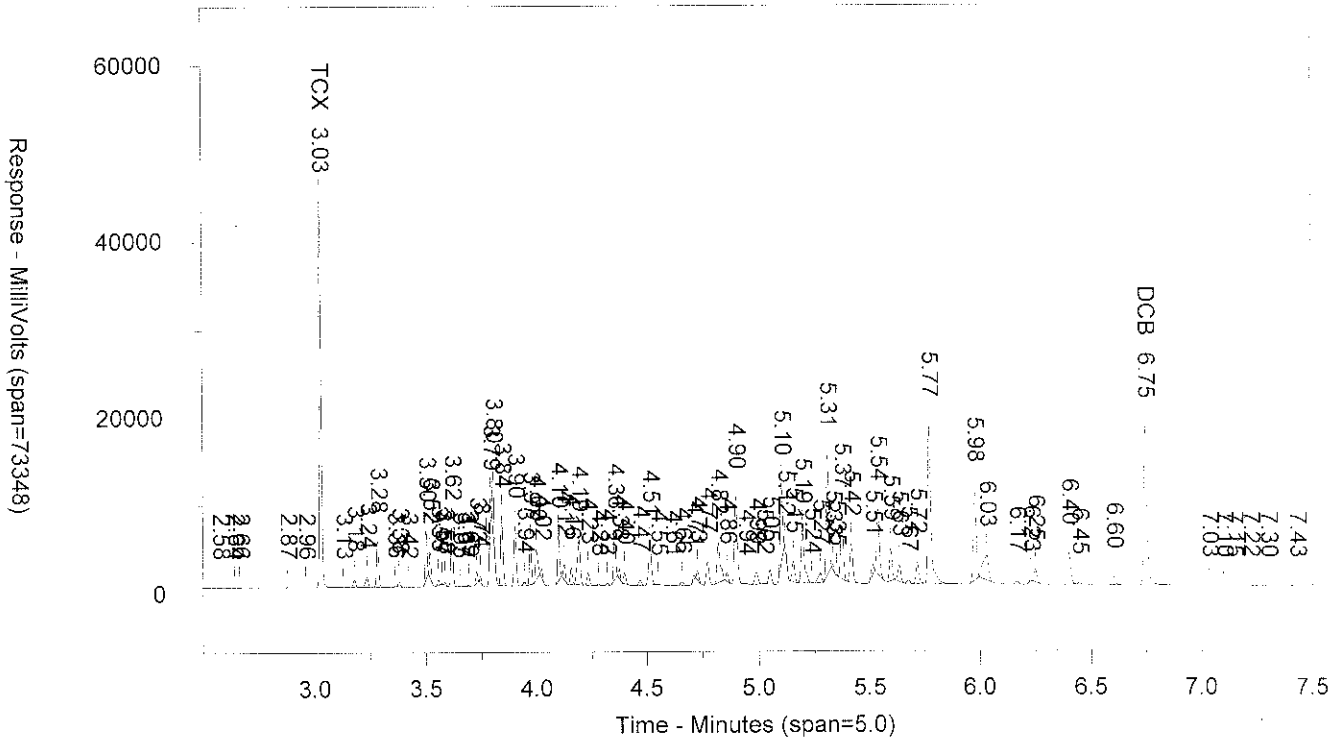

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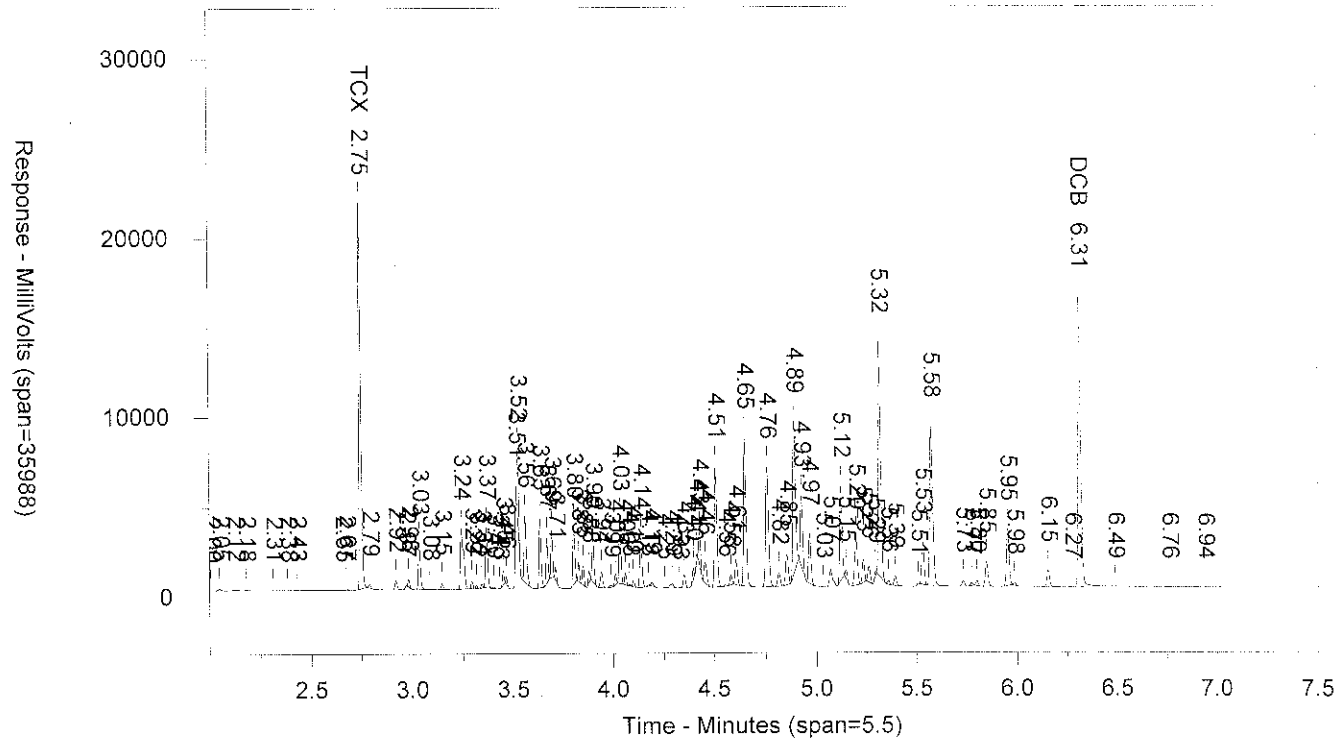

AR1651724B AAAR165AA ICAL 1729899999 06030 EPA 608

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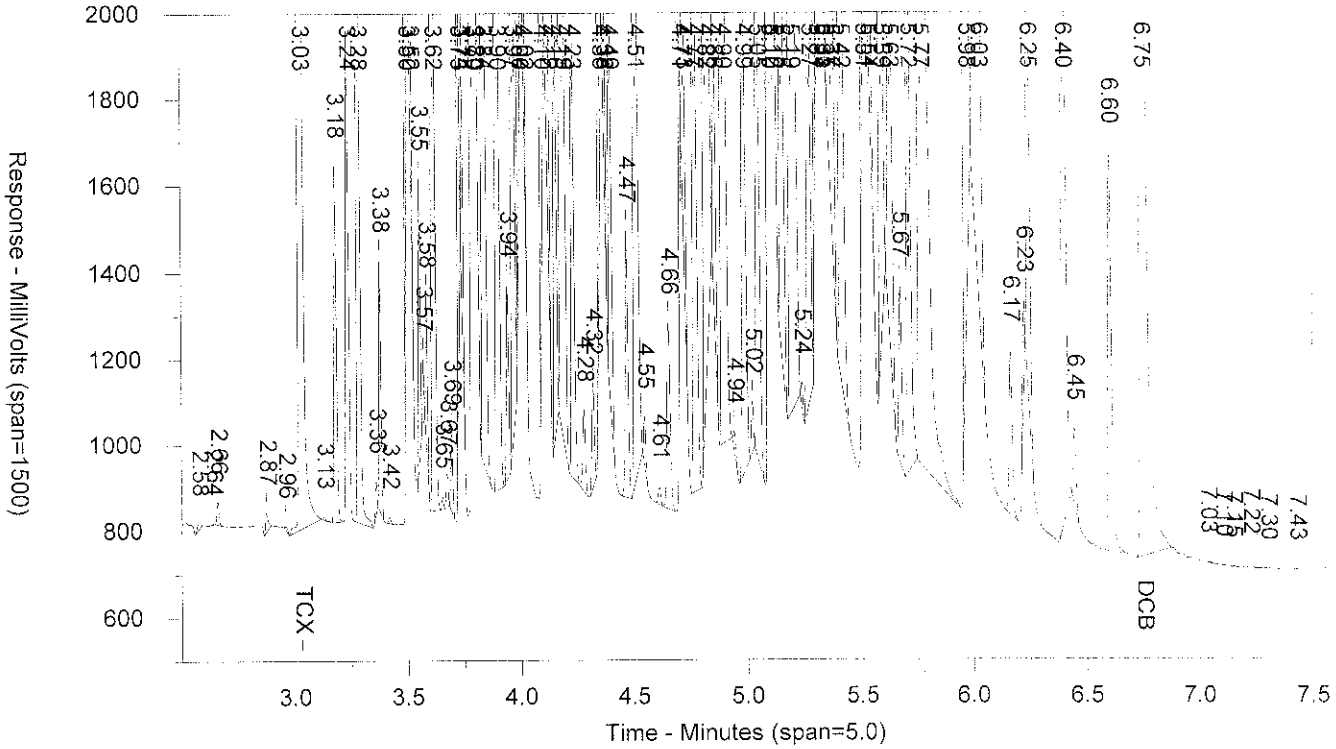

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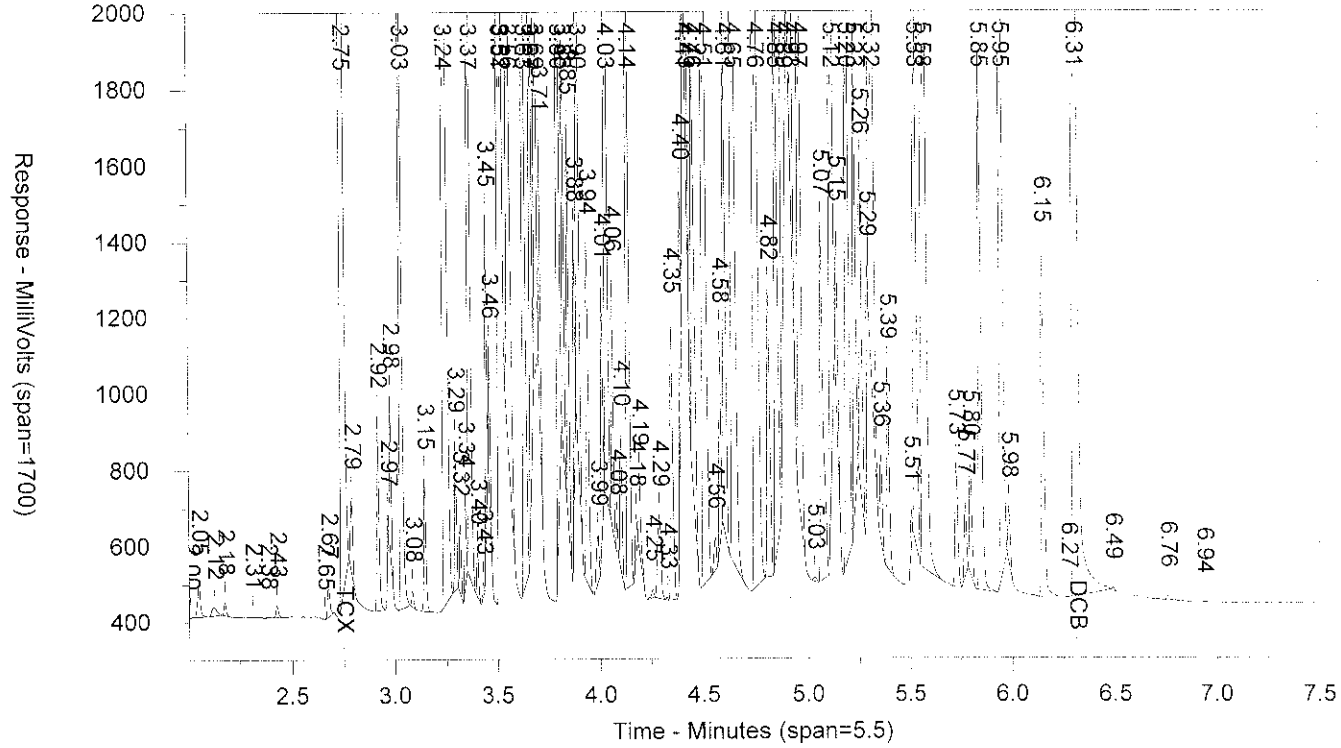

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:12:31 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: 07pcbs17299001.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.545		2227	1605
1.668		34145	149200
1.861		4107	2582
2.131		35662	122440
2.18		57044	123689
2.315		229257	162141
2.409		51313	32378
2.426		85595	59171
2.52		4308	3199
2.583		10255	23805
2.639		7823	5189
2.661		104951	67341
2.815		1593	660
2.874		40881	32905
2.943		12734	22565
3.028	TCX	56502520	36610760
3.129		11834	6533
3.179		1583440	1334497
3.236		2105193	1705869
3.284		9856238	6656737
3.36		88190	45574
3.378		1140538	722159
3.418		29803	18017
3.5		10540380	6196068
3.517		5571885	2925491
3.554		1212264	694450
3.57		300198	118512
3.584		720982	368583
3.616		12739480	9045143
3.652		58843	30558
3.672		108239	67989
3.691		367896	234774
3.728		2696592	1604197
3.744		1416433	718139
3.79		8377936	4353797
3.802		15276240	7721404
3.84		15477770	11643070
3.901		13637020	9984116
3.943		915184	618909
3.97		8732901	6334192
3.998		6537052	5441818
4.021		1998769	1056641
4.073		4859	1381
4.099		9804164	6940848
4.124		3463042	2243710
4.156		3809526	2691504
4.191		10461660	10028630
4.233		2968982	2338844
4.28		387477	302937
4.32		478928	371016
4.355		9347275	6948352
4.376		2323270	1300356
4.4		2648687	1930930

RT A	Compound A	Height A	Area A
4.47		1213696	1023349
4.514		9277855	8405502
4.549		203773	135456
4.614		81089	64454
4.656		842200	837157
4.711		1047012	673478
4.727		2099968	1386182
4.773		5574975	4824620
4.821		8989593	9785460
4.859		2148199	1520199
4.899		21885380	18927690
4.943		92736	70881
4.99		2922378	2948260
5.022		228416	153519
5.049		3285375	2877865
5.102		18954300	14570950
5.118		1932208	997014
5.153		4686674	4101007
5.194		11922840	12538320
5.235		102562	54803
5.273		2122139	2472179
5.308		29067170	25836890
5.33		1321216	698643
5.348		341302	125126
5.373		14588480	12883670
5.416		9209103	8197591
5.512		2419061	1955412
5.535		15163350	12659420
5.593		7516939	6562475
5.632		4088929	3748407
5.674		835797	765555
5.715		4941589	4763460
5.772		38297090	39911600
5.977		20878190	19616290
6.031		5718871	10154710
6.165		614568	586420
6.226		278727	265465
6.248		3017844	2591140
6.402		7267190	6979718
6.446		372558	325934
6.568		3690	1866
6.601		1850688	1843581
6.747	DCB	25034420	24501800
7.22		14742	17415
7.365		1728	609
7.432		1363	378
7.525		1828	647
7.817		1233	395
7.912		1969	624
8.165		1232	1298
8.208		1191	953
8.351		1526	485
8.45		1490	1441
8.48		1895	868
8.614		1549	467

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:12:31 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: 07pcbs17299001B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.516		4570	13336
1.635		6288	27502
1.77		1923	10247
1.79		2986	4573
1.912		2428	6752
2.001		3634	7702
2.047		114319	114767
2.119		22037	38915
2.176		44401	34423
2.268		2773	3408
2.393		2883	7230
2.425		61076	48125
2.49		1823	1722
2.655		4120	2625
2.673		70779	57646
2.701		11541	6898
2.745	TCX	28427880	19314710
2.788		362601	295042
2.918		960900	750592
2.967		81440	42590
2.979		820576	500678
3.032		4902912	3500932
3.084		56210	34673
3.145		638688	485877
3.241		6445899	7109238
3.293		749911	495734
3.315		348260	206787
3.341		439793	258209
3.365		6358242	4746077
3.401		223648	140278
3.43		38237	18047
3.448		1541437	886056
3.463		843492	424562
3.514		2432497	1393621
3.524		7998553	3927019
3.558		7296821	5715435
3.633		7780130	5348286
3.667		4816693	3212938
3.691		5118663	3141632
3.71		1440869	779387
3.8		6197800	4544902
3.825		2123123	1238088
3.847		2035232	1323423
3.878		1166398	651166
3.896		5069751	3429719
3.94		1759910	1439190
3.988		246401	216894
4.011		1197948	781845
4.034		7020133	5013147
4.061		1319708	838323
4.081		140756	66914
4.101		693916	473900
4.137		5556526	4323758
4.175		197413	124024

4.191		392180	292595
4.254		38839	33420
4.289		431434	494928
4.325		11902	5457
4.35		1425278	1145801
4.396		1129682	716906
4.414		931457	505383
4.427		3787285	2302367
4.456		2053079	2181870
4.509		12859180	11156110
4.557		150485	130067
4.581		1079726	789219
4.606		2854882	2169972
4.651		16036070	13736480
4.759		12951610	13008890
4.815		1489006	1355002
4.854		3466249	3088277
4.891		16436280	14807010
4.925		7942461	6061642
4.965		5327788	4635345
5.034		18427	19451
5.069		1820120	1992122
5.121		10280020	8732149
5.146		1048278	656785
5.196		5348435	5037043
5.232		2454575	2003270
5.259		1703300	1524863
5.293		484303	285442
5.314		26336440	23008630
5.356		438880	338107
5.39		952081	848552
5.507		190039	119026
5.53		4929272	4258912
5.575		17574490	19350540
5.731		497386	453572
5.773		379094	300127
5.799		414030	345586
5.848		2797870	2542352
5.952		6210518	5598089
5.984		276010	210929
6.152		1676654	1613147
6.312	DCB	21378440	20624690
6.486		12931	11722
6.758		16787	19667
6.934		3418	5904
7.666		1495	1985
7.756		2403	3082
7.907		1807	1974
8.246		1878	1441
8.613		4734	9943

AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608

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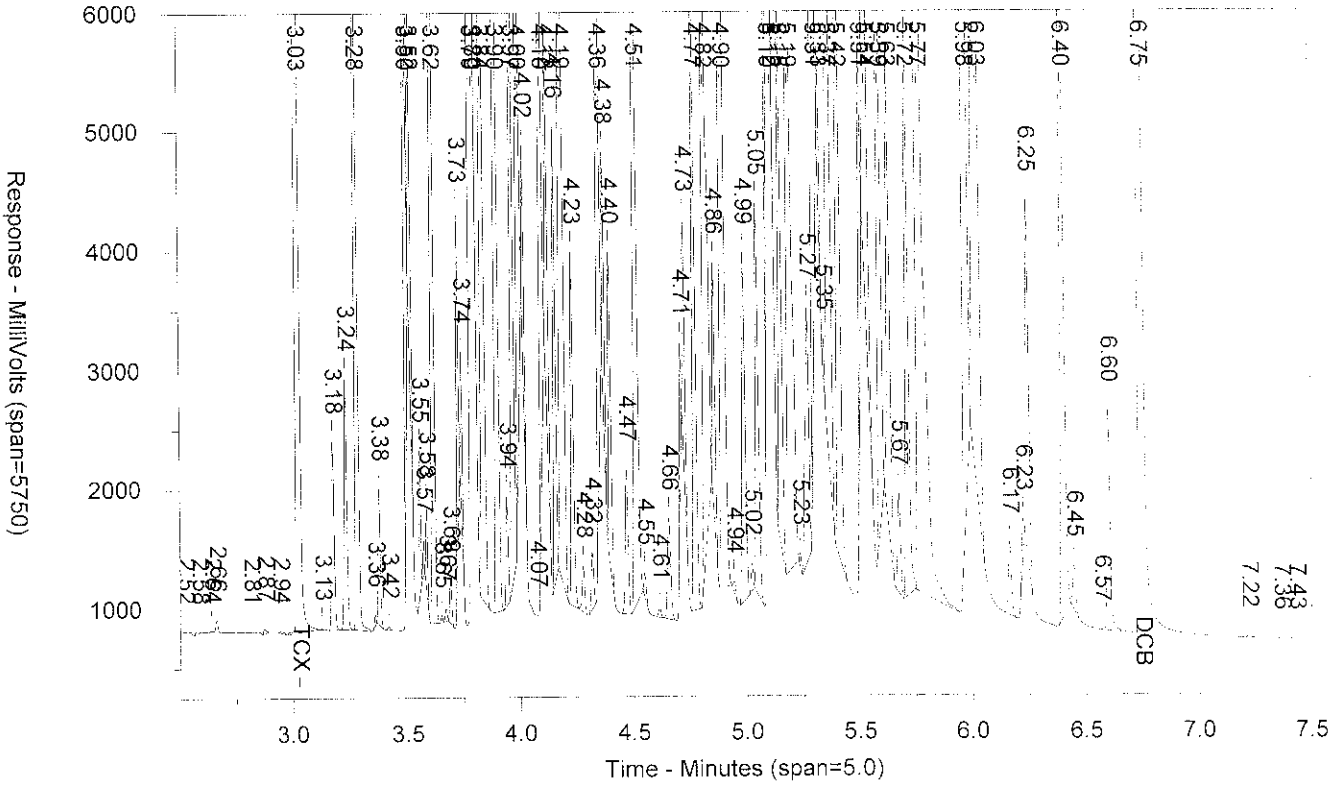

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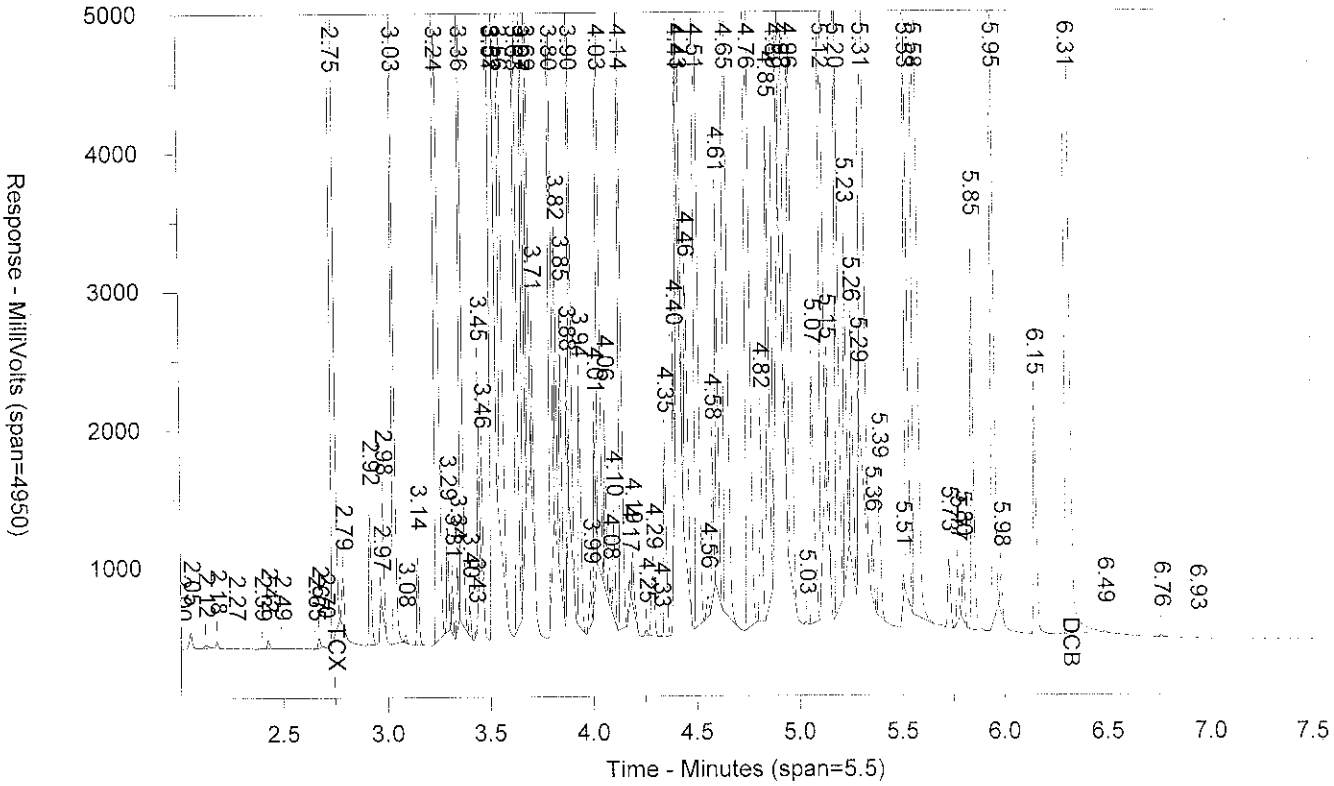

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:12:31 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
3.028	56502520	82.254	TCX	2.745	28427880	84.641	TCX
6.747	25034420	89.372	DCB	6.312	21378440	79.81	DCB

Files:
Area File: 07pcbs17299001.0012.RAW
Area File: 07pcbs17299001B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 12:21:16 AM
File Reported On: 10/29/2017 at 12:45:01 PM

AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608

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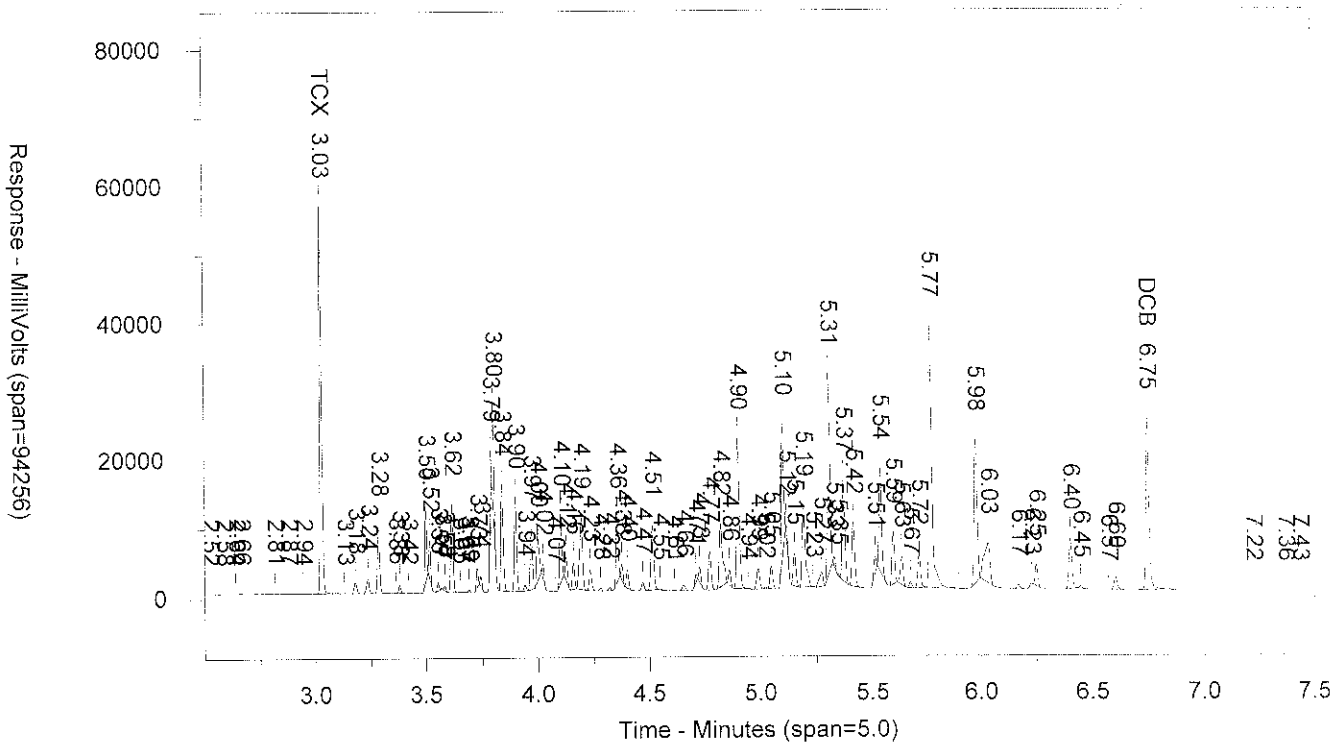

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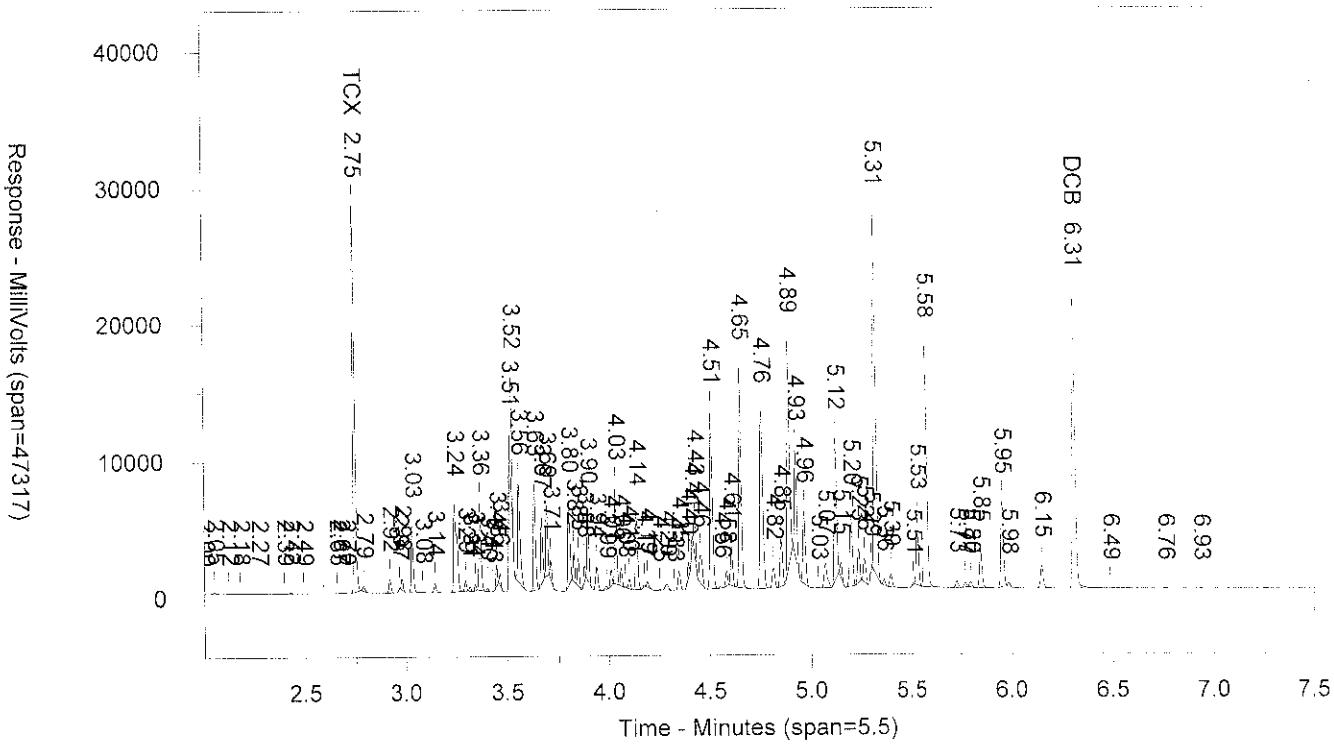

AR1661724A AAAR166AA ICAL 1729899999 06030 EPA 608

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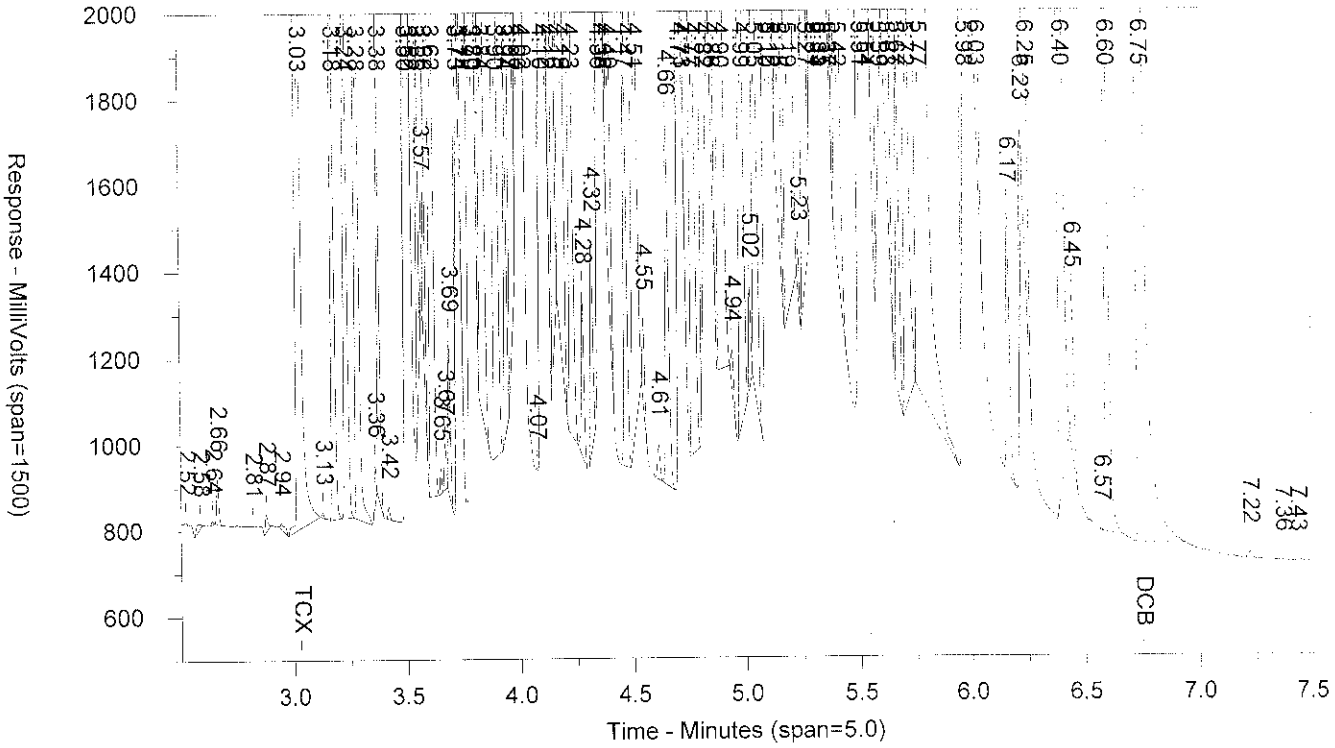

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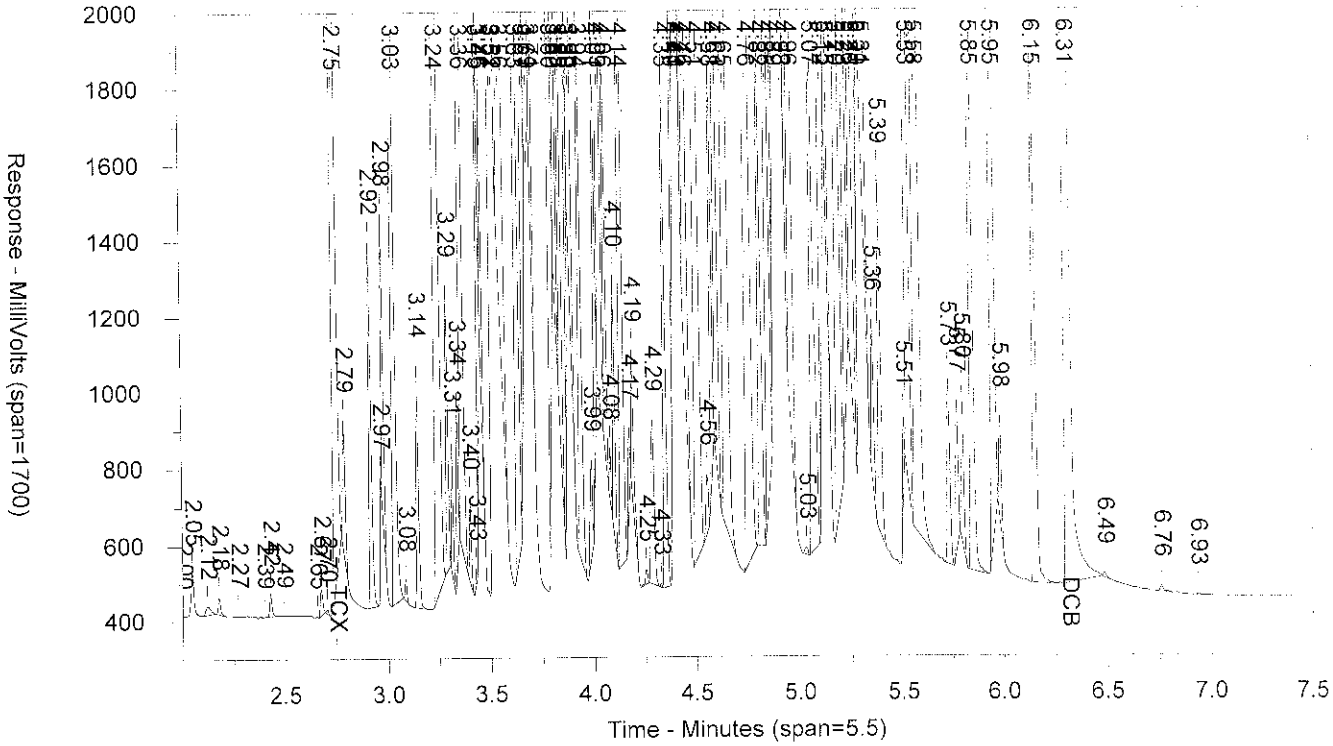

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:24:03 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: 07pcbs17299001.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.659		16037	72582
1.941		1579	1003
2.119		46160	91053
2.178		63123	173394
2.245		23026	45629
2.316		7514	7425
2.41		50115	33751
2.583		15205	29335
2.64		6377	4563
2.875		27363	21005
2.959		17327	19215
3.028	TCX	1281852	894765
3.181		10225	8117
3.231		18938	16821
3.285		52709	34534
3.363		7774	9229
3.379		8240	5001
3.501		166336	98359
3.518		53226	26647
3.555		9890	6047
3.617		144125	105098
3.729		26502	22275
3.745		10183	4670
3.79		147336	77211
3.802		142139	72152
3.84		179485	138894
3.881		1450	383
3.901		195345	146807
3.943		25807	18221
3.971		341124	246468
3.998		222428	181255
4.021		64449	32801
4.042		2525	1437
4.099		384426	271844
4.125		111437	72236
4.156		127394	91239
4.191		303461	278736
4.233		97543	76895
4.28		10608	6514
4.32		27534	24149
4.354		267915	184870
4.376		306644	196932
4.4		339798	257511
4.471		27307	24515
4.508		277170	238484
4.53		80116	40897
4.549		57078	35485
4.592		4424	3161
4.614		15933	10673
4.657		85943	76867
4.71		130317	114108
4.743		69541	54210
4.773		206605	180325

RT A	Compound A	Height A	Area A
4.818		5060	4066
4.859		72729	65255
4.899		23326	26255
4.949		16452	14608
4.991		120822	110547
5.055		2064	1499
5.071		10039	8766
5.104		8622	6056
5.119		11171	7474
5.15		3798	2858
5.191		122621	118889
5.236		5002	3218
5.265		9887	10633
5.308		48421	43549
5.37		9417	7140
5.415		10659	16504
5.467		3897	3438
5.514		11274	8664
5.536		10573	6895
5.591		15336	17252
5.627		5265	4848
5.671		7739	7418
5.715		8657	7237
5.769		23421	20926
5.795		10374	8604
5.975		28609	29328
6.007		1213	513
6.099		3031	2208
6.166		12650	12858
6.23		12962	10868
6.403		10792	15346
6.473		7200	6809
6.602		7476	7394
6.748	DCB	613388	646672
7.03		1589	989
7.041		2712	3215
7.235		1396	428
7.391		976	657
7.416		1475	1039
7.593		1076	254
7.675		1892	1545
7.692		1704	507
7.77		1319	370
8.037		1347	373
8.09		1568	1163
8.171		1362	398
8.226		1189	430
8.274		1596	679
8.309		1646	463
8.318		1796	499
8.481		1665	767
8.537		1212	305

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:24:03 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: 07pcbs17299001B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.617		2552	11600
1.914		4048	18788
2.039		34860	56410
2.124		18534	45684
2.398		2293	6100
2.656		3296	1771
2.673		51512	56599
2.746	TCX	644444	475054
2.918		5868	4914
2.967		6450	3323
3.033		28271	17730
3.083		1872	2336
3.146		6598	5122
3.242		114423	115284
3.293		7494	4965
3.319		12400	9914
3.365		91102	74997
3.403		4458	3268
3.448		16124	8713
3.463		8052	4282
3.514		76065	38605
3.524		76486	33461
3.544		13002	5021
3.558		81052	53856
3.634		129252	93027
3.667		218997	147781
3.692		184473	115802
3.711		53409	29548
3.801		266382	192235
3.825		77521	45692
3.847		80225	54494
3.879		30798	16422
3.897		174399	122965
3.94		69502	56475
3.988		12284	11784
4.012		129596	87119
4.035		341140	234964
4.061		217249	149566
4.081		12634	5973
4.101		17508	10260
4.138		109566	87465
4.176		156092	139923
4.206		69212	46046
4.254		12606	12942
4.291		63136	54544
4.35		104729	87974
4.385		58076	44246
4.414		160095	135715
4.511		69695	75587
4.548		14840	11770
4.581		98668	82196
4.65		19030	15404
4.68		7094	5377
4.757		20495	22666

4.81		93581	83475
4.853		5974	6759
4.892		34698	32906
4.924		4622	4686
4.963		4019	3410
5.042		2554	3739
5.083		2246	1880
5.119		10570	8919
5.146		11175	9140
5.195		6856	7450
5.231		4158	3286
5.264		5637	5269
5.313		27564	35903
5.39		10499	10873
5.529		7547	6810
5.572		23205	28722
5.731		12201	11838
5.798		14521	14651
5.847		8733	9183
5.951		9616	9283
6.153		8656	10651
6.313	DCB	610282	615013

AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608

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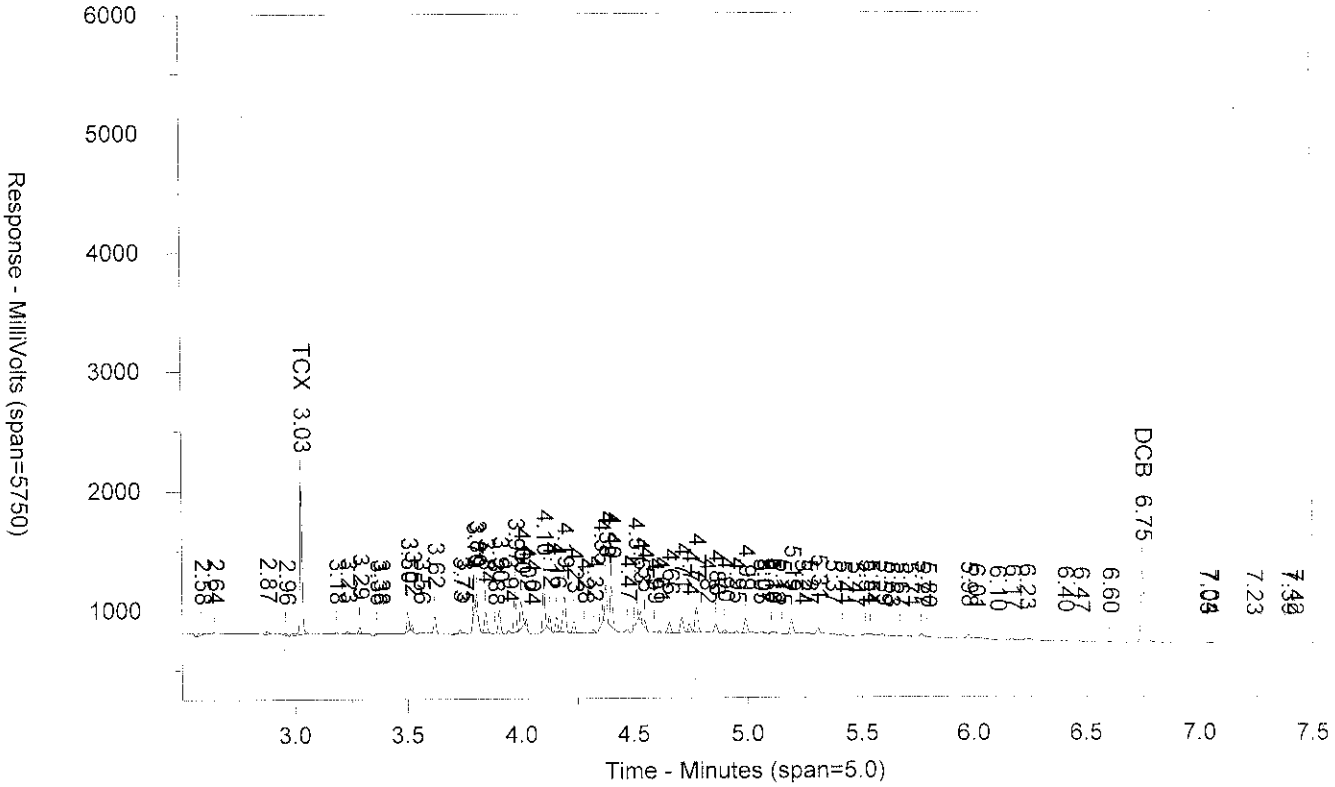

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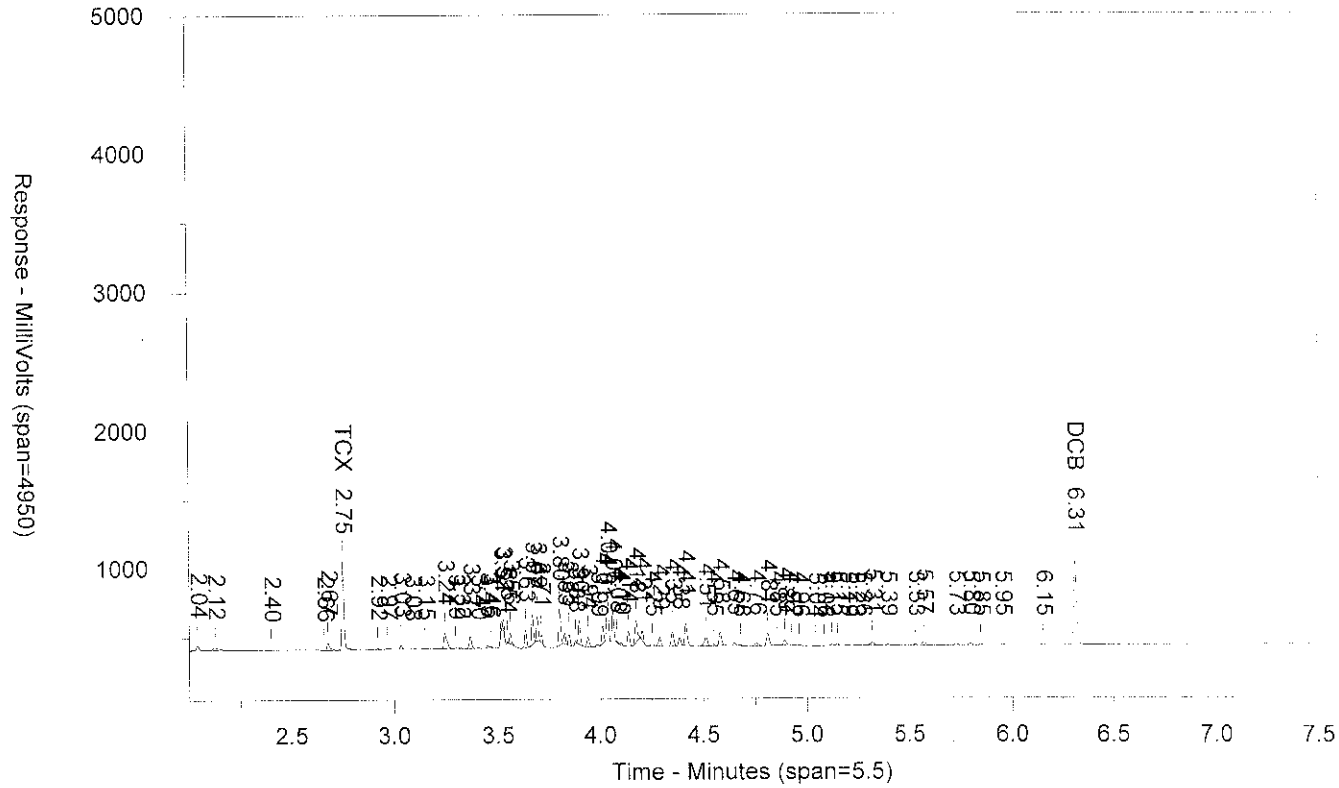

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:24:03 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
3.028	1281852	1.831	TCX	2.746	644444	1.883	TCX
6.748	613388	2.119	DCB	6.313	610282	2.216	DCB

Files:
Area File: 07pcbs17299001.0013.RAW
Area File: 07pcbs17299001B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 12:32:44 AM
File Reported On: 10/29/2017 at 1:38:41 PM

AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608

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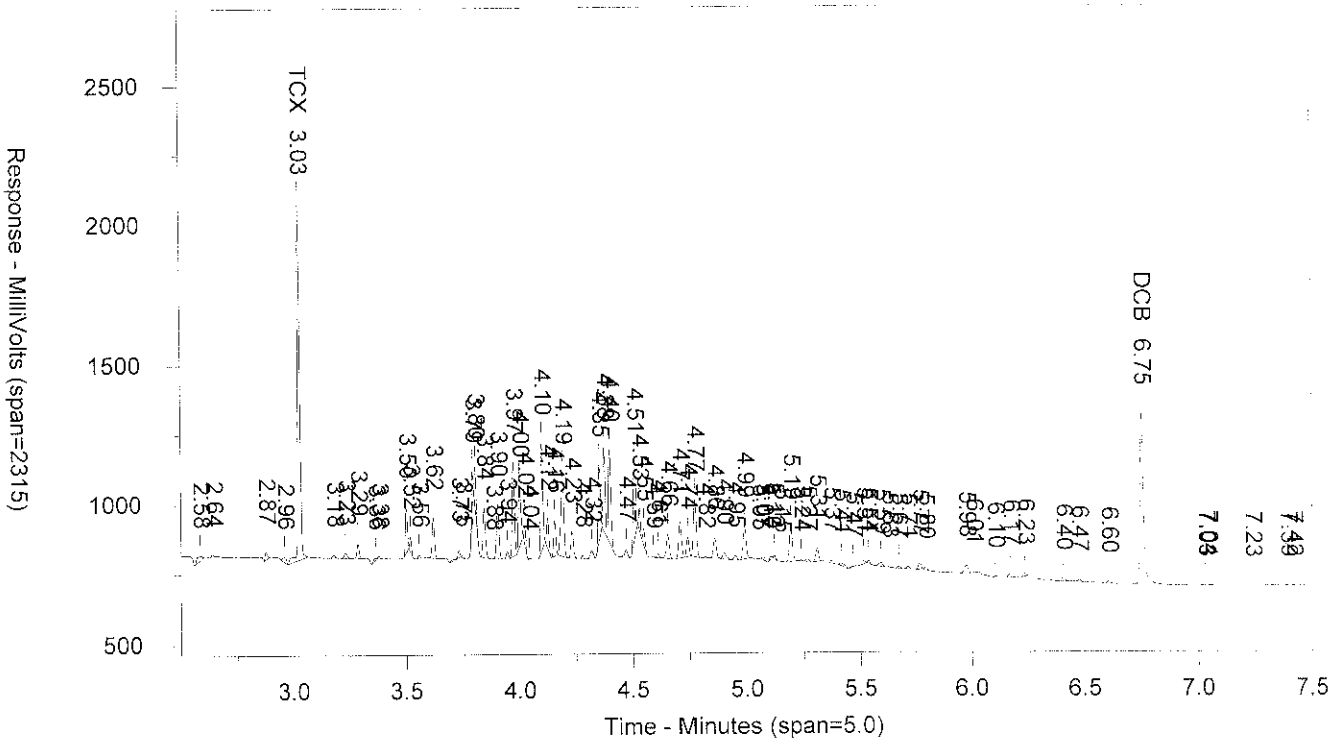

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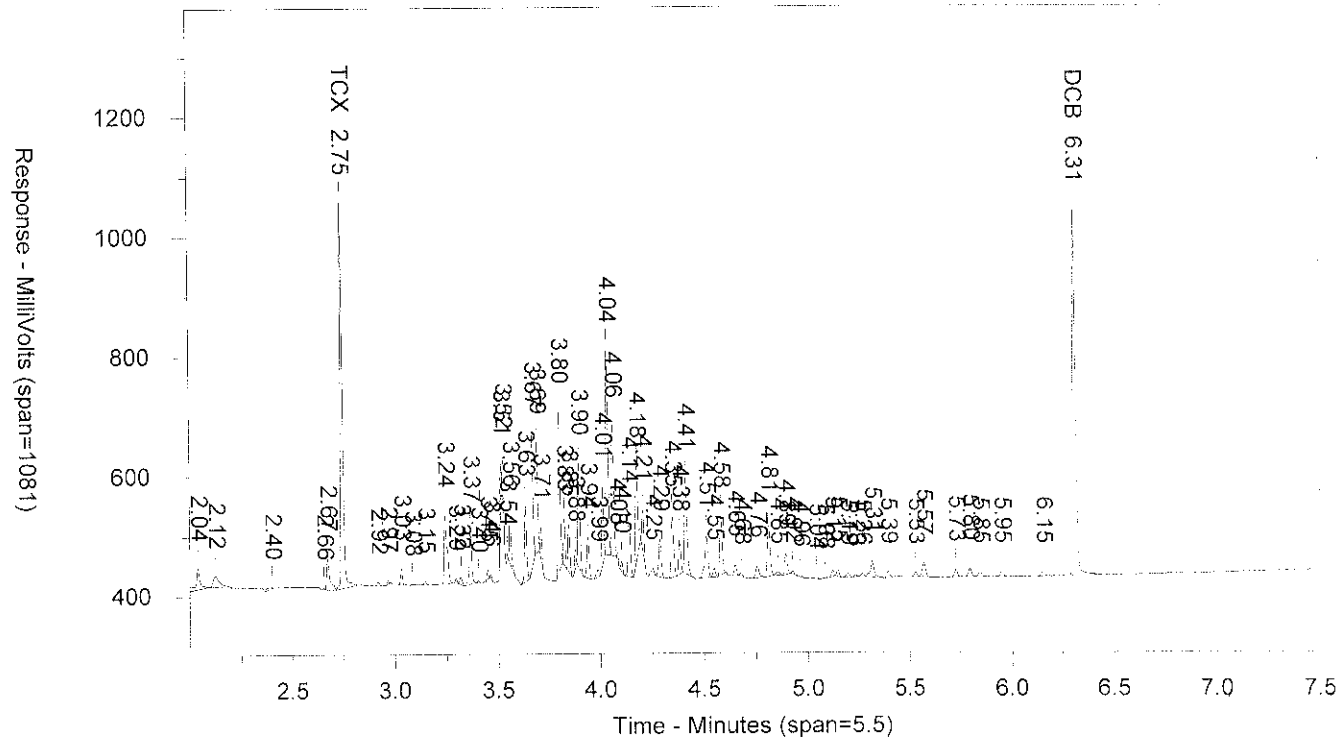

AR4811724C AAAR481AA ICAL 1729899999 06030 EPA 608

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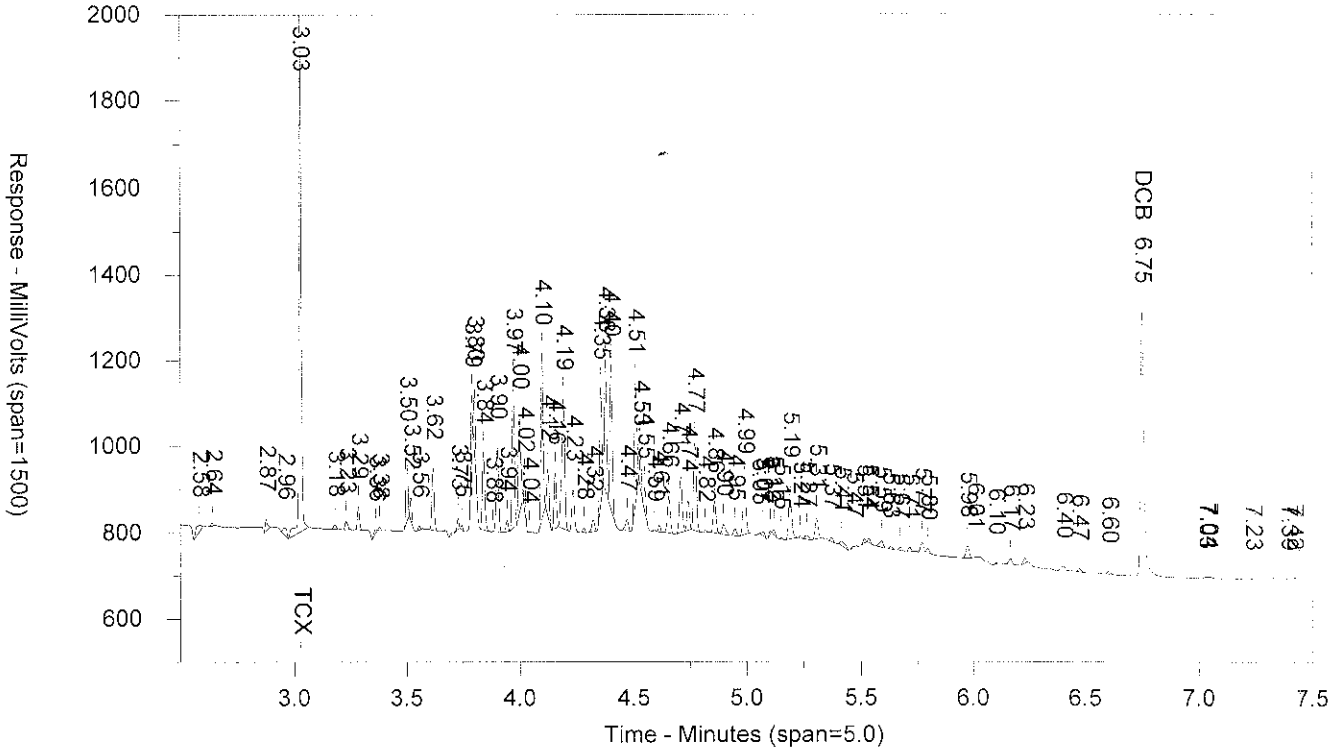

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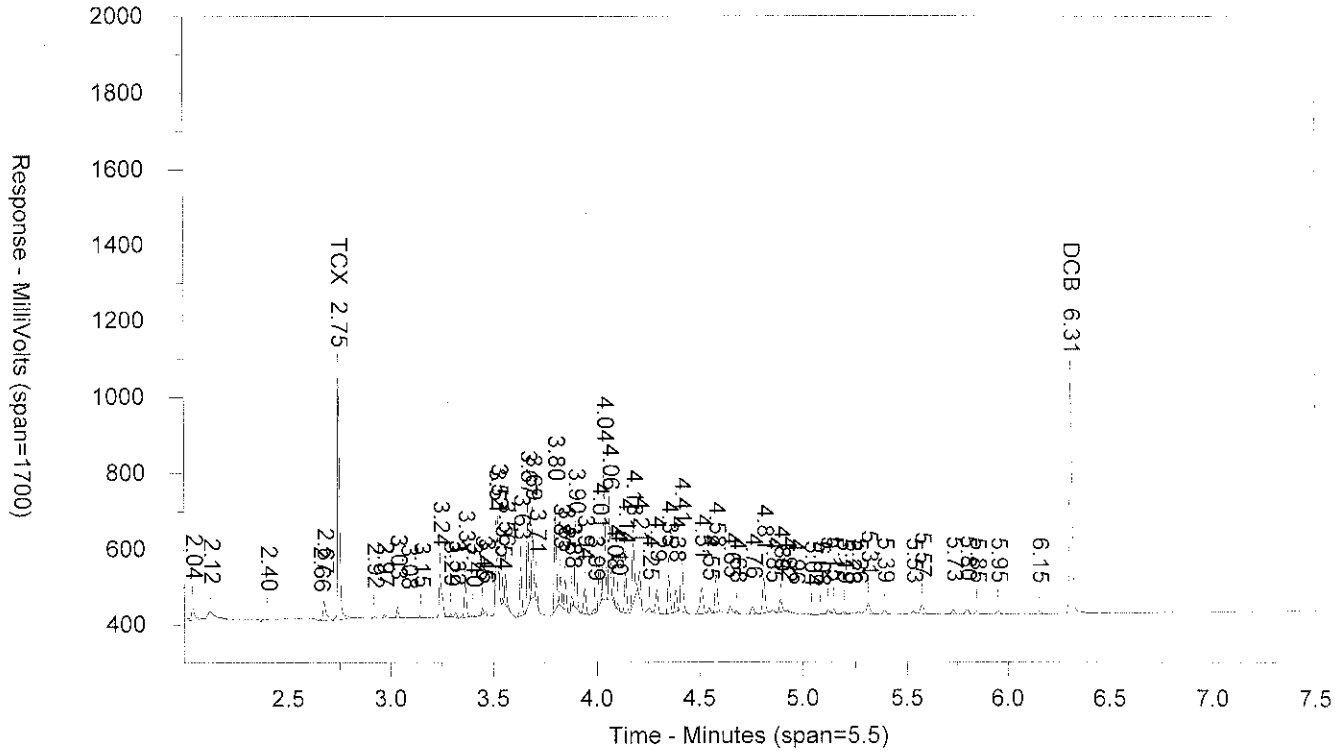

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:35:17 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: 07pcbs17299001.0014.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.64		21560	27495
2.133		31229	84811
2.178		70887	183250
2.314		15221	11327
2.408		318724	211530
2.462		5084	5480
2.55		41959	33893
2.583		32333	65395
2.619		44134	33619
2.695		5113	3321
2.746		8047	6284
2.874		43759	38837
2.965		11618	12248
3.027	TCX	2742385	1798542
3.115		20480	14017
3.178		20788	17384
3.228		37035	33754
3.284		99880	68516
3.361		9434	7688
3.378		16415	10053
3.5		303086	181528
3.517		98559	51009
3.554		20216	11389
3.569		3652	1502
3.584		5070	2574
3.616		272262	194623
3.65		2853	966
3.673		8426	6006
3.693		5554	2848
3.728		47746	30002
3.744		17577	8763
3.79		280408	155303
3.802		258051	130037
3.84		328500	257439
3.88		801	179
3.9		358272	270358
3.943		50051	35060
3.97		623872	457108
3.998		399908	325344
4.021		118509	64381
4.099		701833	505401
4.124		200912	132454
4.155		235826	172713
4.191		560445	522698
4.233		187853	145423
4.28		17687	12674
4.32		52616	45326
4.355		482885	333099
4.375		566153	373180
4.399		643488	484130
4.469		52335	49404
4.509		507605	445482
4.53		151356	79388

RT A	Compound A	Height A	Area A
4.549		115920	72411
4.591		7936	5085
4.614		29474	22429
4.636		1675	343
4.657		160971	138193
4.71		240739	207046
4.742		133144	100711
4.773		392217	340556
4.819		7746	6786
4.858		140632	123540
4.899		32525	38988
4.949		33531	28844
4.99		229088	214340
5.021		4736	3325
5.073		23613	31416
5.102		18127	11557
5.119		14995	9898
5.149		3660	3509
5.191		227404	219372
5.236		6834	4409
5.265		14786	15890
5.309		62989	56302
5.347		4017	2171
5.373		10309	8568
5.415		7555	10212
5.463		1940	952
5.517		16223	12226
5.536		6740	4752
5.59		10141	9717
5.631		3096	1960
5.672		9133	8655
5.713		11010	10432
5.771		19496	15296
5.795		14311	11792
5.976		20728	21251
6.03		5095	9085
6.1		2380	1536
6.165		18863	19907
6.23		21819	30640
6.317		1469	1032
6.402		9148	11449
6.575		2043	1095
6.601		14138	15690
6.747	DCB	1160533	1242305
7.029		1151	623
7.252		1445	585
7.414		1339	536
7.531		1711	480
7.663		1913	813
7.682		1221	466
7.766		1162	408
7.836		2061	1657
7.883		1345	333
7.898		1077	428
7.917		960	505
7.987		1283	909
8.166		1332	851
8.177		1841	604
8.306		1136	455
8.472		1580	715

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:35:17 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: 07pcbs17299001B.0014.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.598		2273	3979
1.718		1295	1931
2.038		173230	147366
2.121		37399	170831
2.243		12560	38867
2.276		26750	21930
2.33		3272	2466
2.357		3058	1828
2.445		5438	3816
2.489		2554	2389
2.633		3705	2448
2.673		80275	83074
2.746	TCX	1336608	921857
2.833		14482	11310
2.919		11645	8989
2.967		11437	5981
3.033		57023	38336
3.084		2964	1549
3.145		12852	9236
3.241		204378	211484
3.294		12894	8208
3.316		10992	8185
3.365		163454	130129
3.402		6152	3671
3.429		2565	1124
3.448		30258	16963
3.463		14414	7610
3.514		121646	68079
3.524		131890	63291
3.544		21122	8421
3.558		146810	100412
3.633		233198	164577
3.667		394627	267809
3.692		335325	206825
3.71		99430	53267
3.8		482645	349055
3.825		136000	80719
3.847		149887	100288
3.878		59063	32556
3.896		317228	220450
3.94		129648	103448
3.988		22977	20938
4.012		238293	160554
4.035		619763	434719
4.061		405369	281023
4.081		27298	12655
4.1		30541	18496
4.138		195654	155198
4.175		289710	258713
4.205		140070	86988
4.254		24631	21191
4.29		115272	99303
4.35		195999	161556
4.385		107003	81326

4.413		284005	241662
4.511		119744	129245
4.548		27771	21462
4.581		189386	173805
4.65		26201	19496
4.678		13556	9914
4.756		30922	33494
4.81		171092	152372
4.851		7349	9081
4.891		50861	47268
4.926		3493	1906
5.083		2530	2092
5.122		8825	6884
5.144		15747	12488
5.194		5770	5638
5.235		2292	2230
5.269		4654	4578
5.292		4363	2544
5.313		17522	15682
5.39		13301	12931
5.53		8021	7282
5.576		17269	21009
5.732		18557	17784
5.8		20554	18994
5.847		7615	7204
5.951		8242	7548
6.152		14617	13244
6.313	DCB	1183628	1143599
7.617		4203	7449
7.733		1444	1478
8.616		3605	6232

AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608

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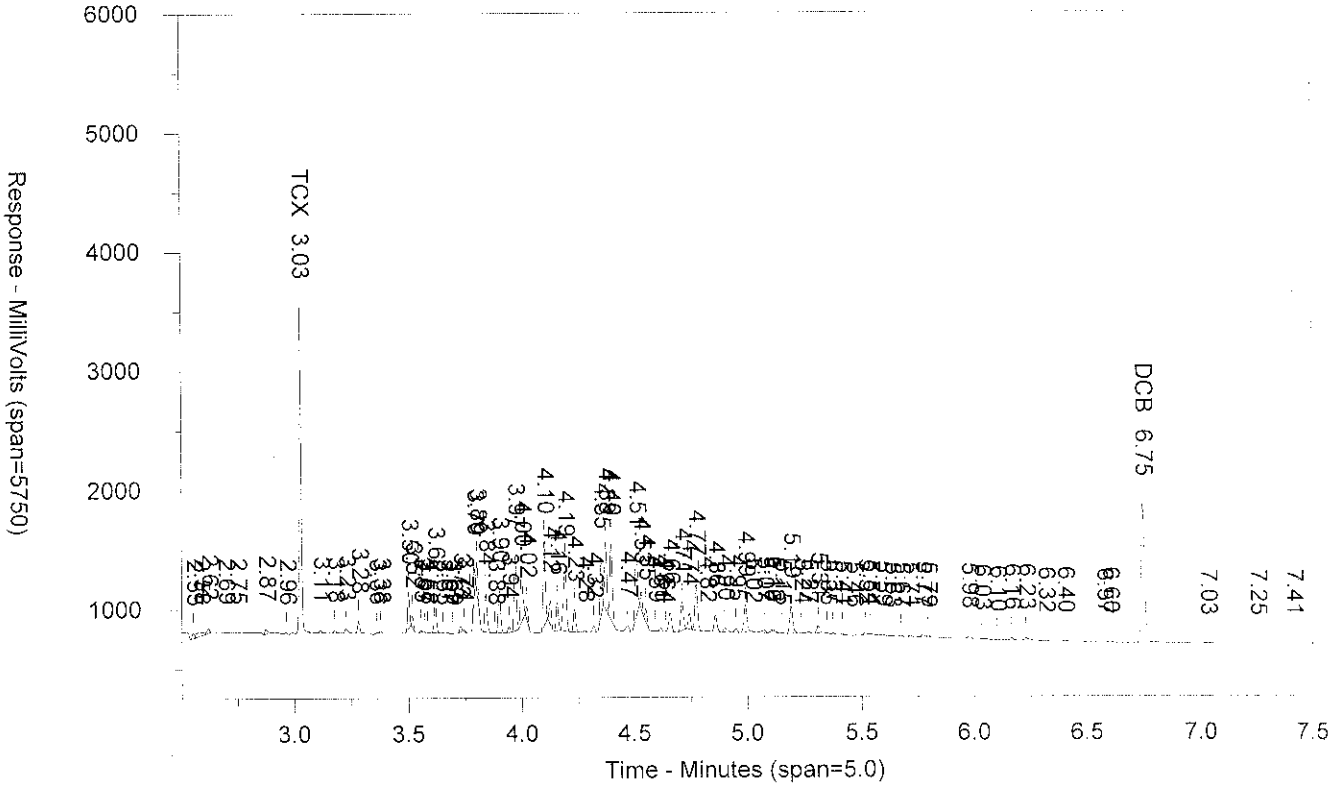

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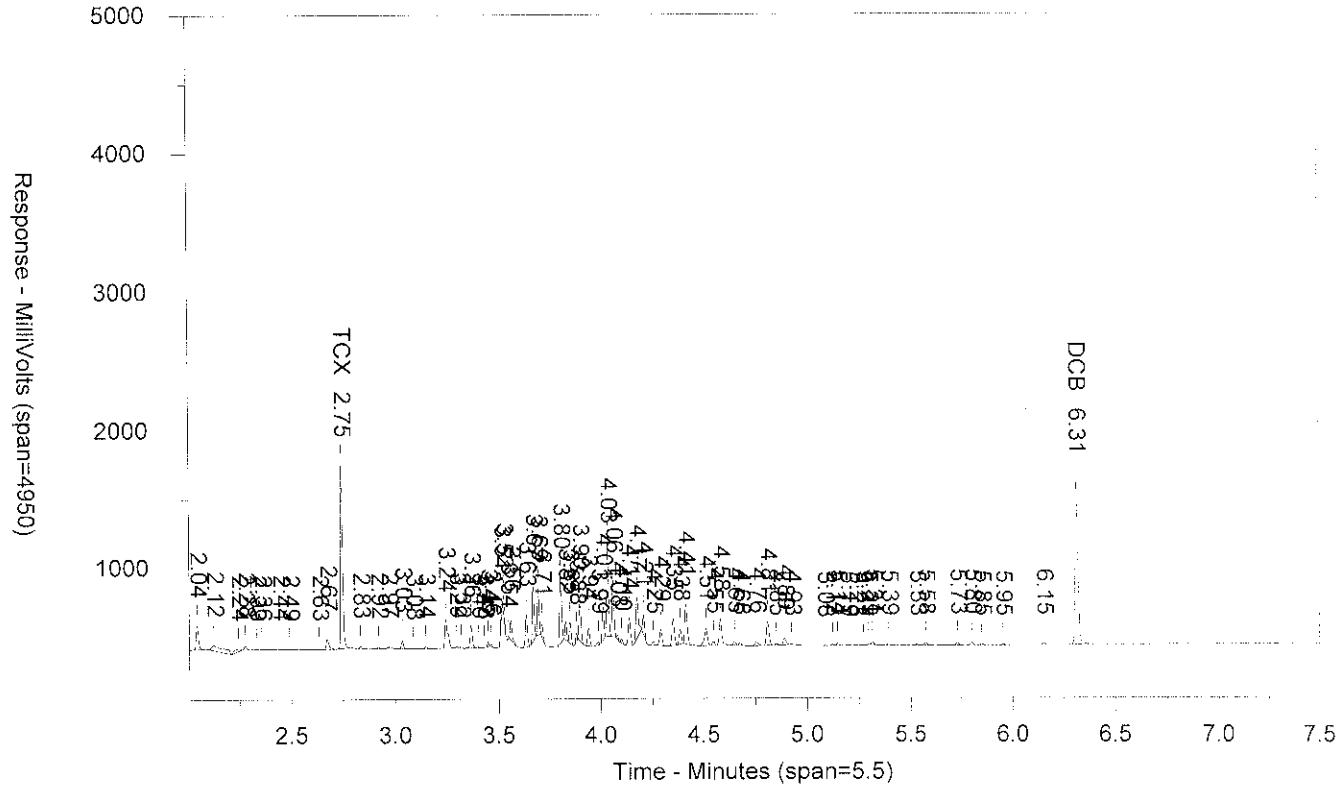

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:35:17 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
3.027	2742385	3.917	TCX	2.746	1336608	3.904	TCX
6.747	1160533	4.009	DCB	6.313	1183628	4.297	DCB

Files:
Area File: 07pcbs17299001.0014.RAW
Area File: 07pcbs17299001B.0014.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 12:43:58 AM
File Reported On: 10/29/2017 at 1:38:51 PM

AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608

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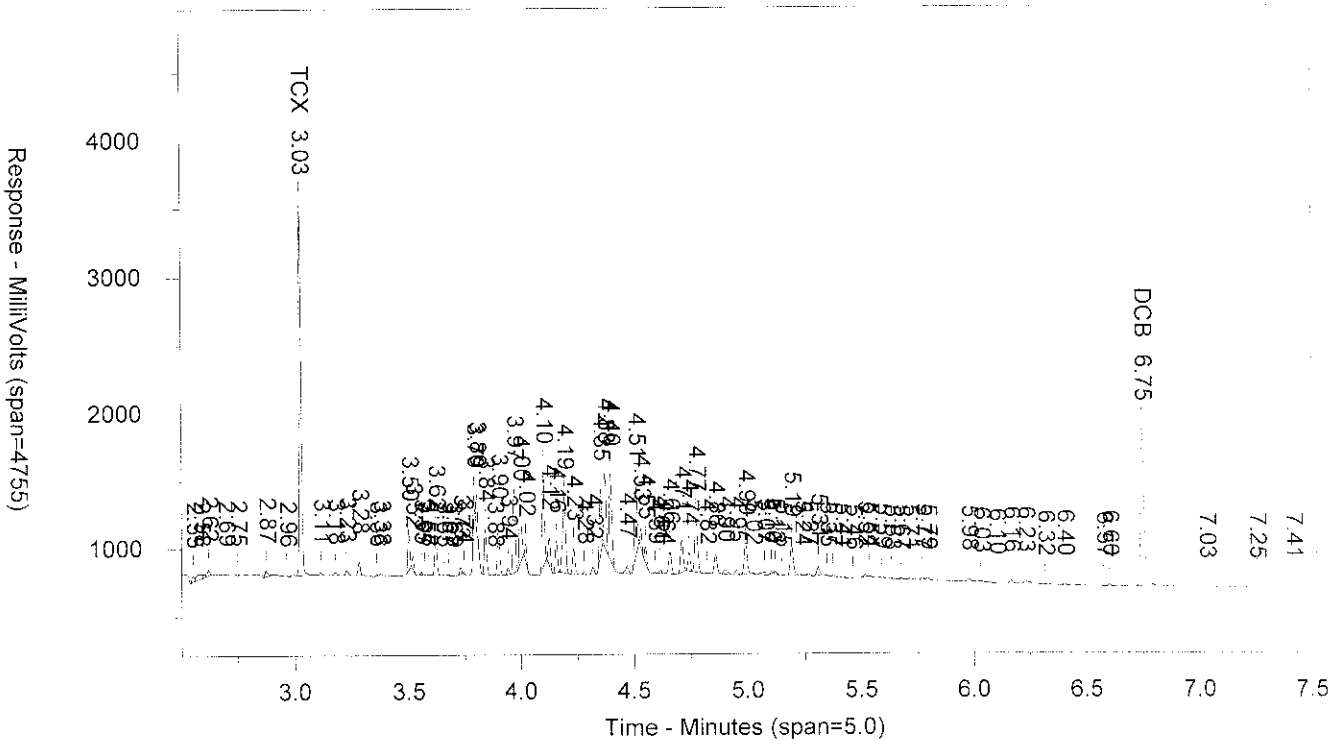

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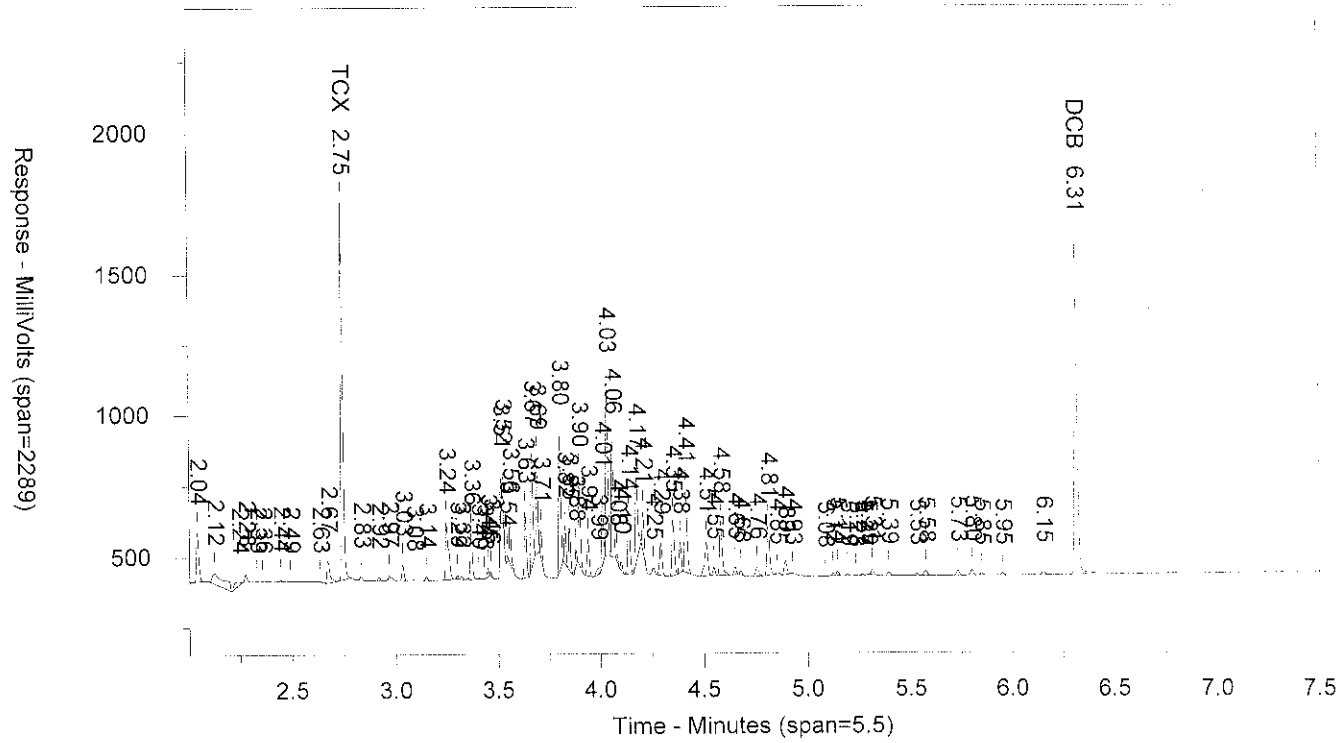

AR4821724C AAAR482AA ICAL 1729899999 06030 EPA 608

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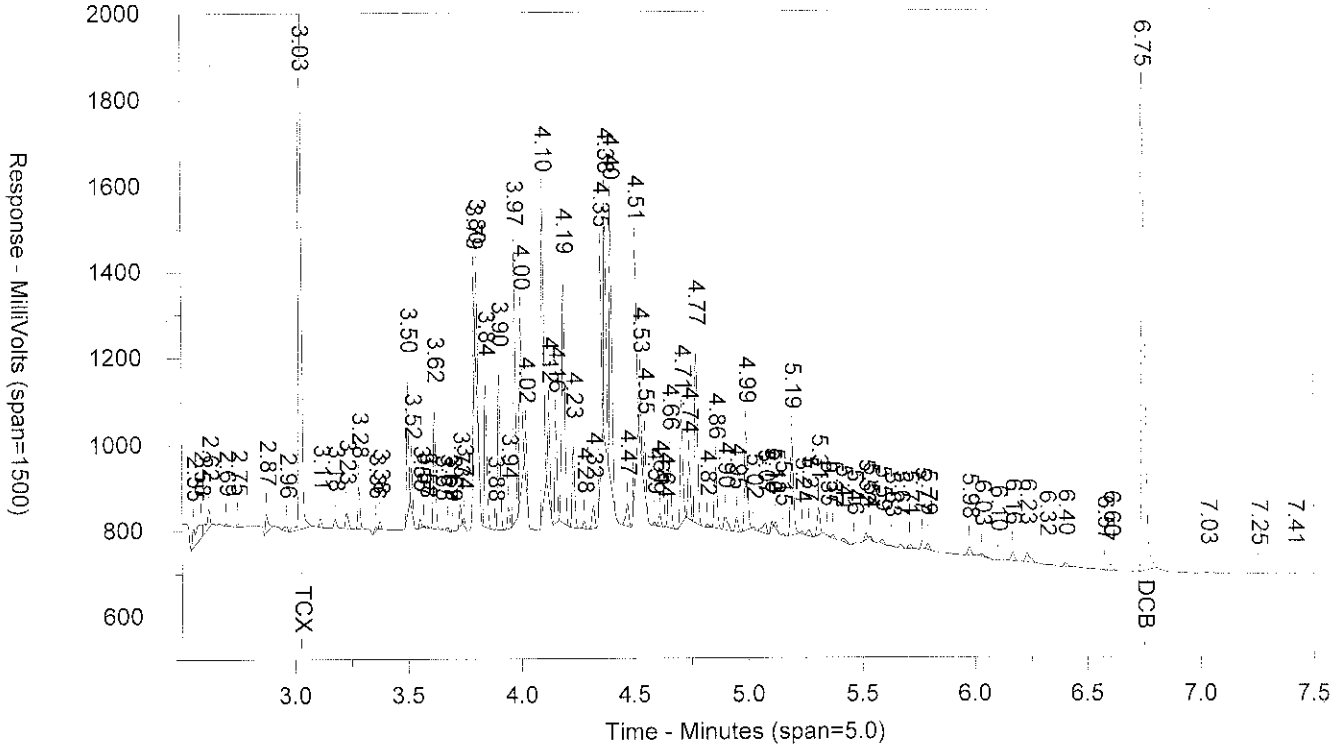

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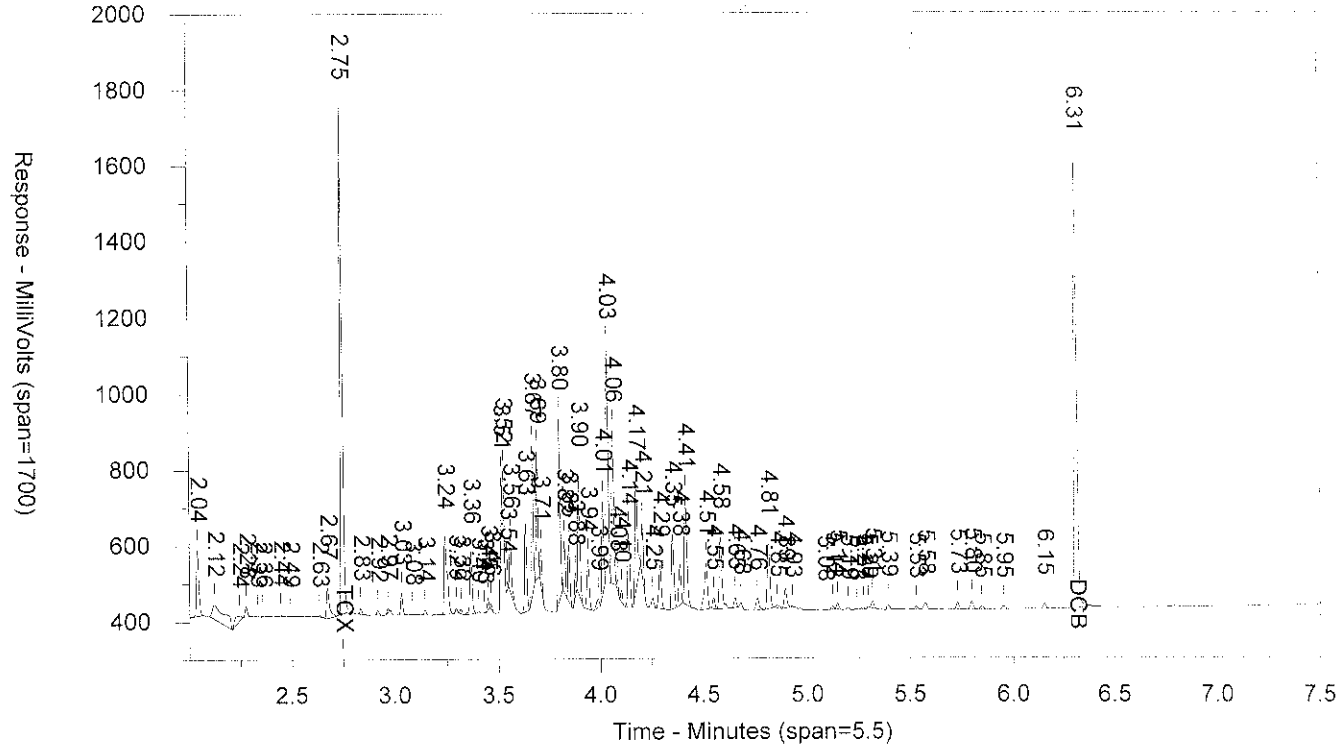

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:46:42 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: 07pcbs17299001.0015.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.652		13052	40438
2.058		1930	1864
2.135		20576	63827
2.178		52009	101797
2.315		58396	44508
2.409		63775	41161
2.425		22590	14461
2.462		5336	5337
2.58		8274	13331
2.637		3789	2605
2.661		3664	1225
2.874		39712	35649
2.96		15132	18053
2.994		3598	5778
3.028	TCX	13719470	8909708
3.126		4167	3622
3.18		40824	34273
3.229		167894	127281
3.285		204340	133869
3.361		29675	18577
3.379		35365	20385
3.501		609992	362009
3.518		204024	104591
3.555		42056	24274
3.571		10171	4454
3.585		10814	4582
3.617		562879	391376
3.674		28740	17913
3.693		14453	8427
3.728		106994	64036
3.744		30882	15176
3.79		574815	309378
3.802		566745	283012
3.841		658771	521111
3.901		715449	550716
3.943		101173	70348
3.971		1302862	926389
3.999		810146	661639
4.022		242465	137319
4.099		1445583	1034904
4.124		405116	266727
4.156		473978	348155
4.192		1147011	1073406
4.233		376449	296882
4.281		34462	25208
4.321		108729	89997
4.356		968456	674782
4.376		1219892	784202
4.4		1391615	1015236
4.47		113975	102552
4.509		1060362	902786
4.53		303831	156732
4.55		238775	151638

RT A	Compound A	Height A	Area A
4.591		16528	11652
4.614		59556	45591
4.658		317035	280457
4.71		474075	414676
4.742		266703	202332
4.773		802965	698587
4.822		13738	9041
4.859		279627	250692
4.901		66248	76803
4.949		64356	57799
4.991		467717	432247
5.025		16270	11373
5.073		42488	52488
5.103		37363	25313
5.119		30157	20448
5.153		8484	6639
5.191		461262	440593
5.236		9233	6928
5.267		45684	46089
5.309		117516	104401
5.33		6317	2893
5.347		5201	3236
5.373		18738	15629
5.416		12361	14719
5.468		2980	2684
5.517		32193	25239
5.536		14345	9257
5.591		15127	15482
5.63		3196	2778
5.673		30643	29261
5.715		20915	19302
5.738		3763	2435
5.772		28816	22130
5.796		58168	49130
5.976		32340	32897
6.032		12060	20067
6.095		1317	519
6.166		84703	86267
6.23		91434	121353
6.402		14307	12852
6.603		54471	56238
6.748	DCB	5539403	5889886
6.97		1306	387
7.054		2044	875
7.221		1480	829
7.341		1116	1070
7.682		1291	413
7.797		1543	339
7.931		1541	1338
7.95		1796	547
7.997		1361	362
8.077		1781	368
8.25		1740	966
8.318		1173	401
8.669		1702	342

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:46:42 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: 07pcbs17299001B.0015.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.52		2220	2393
1.607		3070	8420
1.71		1103	799
2.019		3419	9663
2.043		44463	57822
2.121		24199	44118
2.176		10619	8176
2.384		2365	3693
2.655		4783	3372
2.673		74190	79434
2.746	TCX	6723167	4770030
2.918		26317	21167
2.967		85141	72064
3.033		112250	80765
3.084		15056	10603
3.145		25427	18233
3.242		408290	409443
3.294		27916	18001
3.317		18577	13282
3.343		6910	3747
3.365		315029	241021
3.402		14245	8909
3.43		14869	8097
3.448		60866	34624
3.464		24453	11962
3.514		252900	124160
3.524		301488	139457
3.544		40654	15594
3.559		292840	204104
3.634		448787	325919
3.667		770555	525577
3.692		680665	412809
3.71		200793	108747
3.801		961834	692594
3.825		274704	161491
3.847		296536	197118
3.878		120419	64371
3.896		638779	440577
3.941		258267	205086
3.989		47571	41491
4.012		479307	321415
4.035		1274061	876157
4.062		825667	571304
4.082		49688	23749
4.101		57421	34535
4.138		381567	304543
4.176		577175	510988
4.206		287408	183641
4.254		48112	39118
4.291		232450	196602
4.351		386303	320836
4.385		215498	160742
4.414		573757	481180
4.452		7541	6504

4.512		230053	255245
4.548		53874	43954
4.582		374338	308671
4.627		5747	2889
4.651		49217	35383
4.679		25963	20973
4.757		64218	66803
4.811		343018	310745
4.865		22333	26248
4.892		93037	85524
4.925		5902	2949
4.965		6460	4977
5.086		6000	6125
5.122		15740	12259
5.146		30550	24892
5.195		9950	9322
5.233		3465	3083
5.268		21901	18498
5.293		9411	5930
5.314		32325	26662
5.391		54649	50290
5.531		14085	12449
5.576		28646	32268
5.732		77688	71594
5.8		86498	77553
5.849		22812	20262
5.953		13205	11384
6.153		57805	55727
6.312	DCB	5387782	5197892
6.759		4221	4036
8.023		1433	2135
8.487		1795	2165
8.615		3607	6264

AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608

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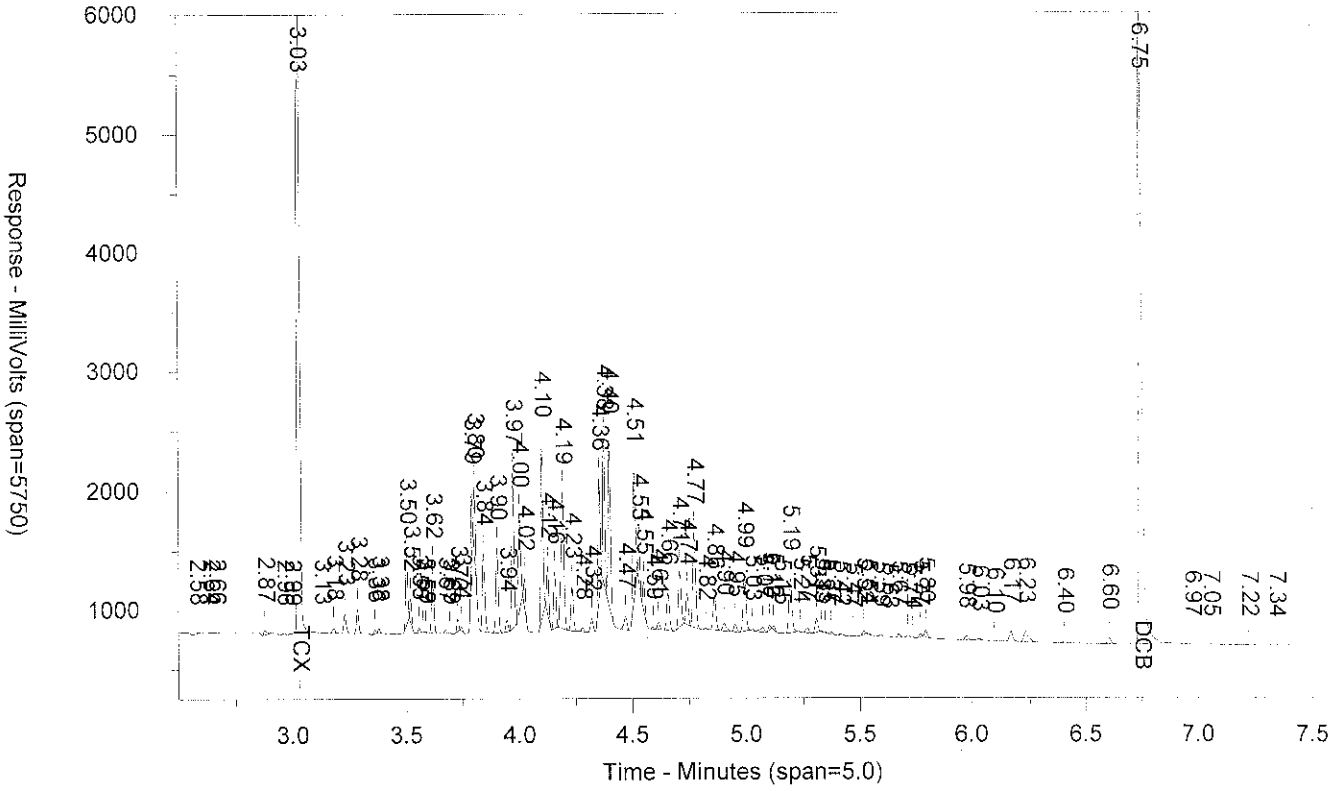

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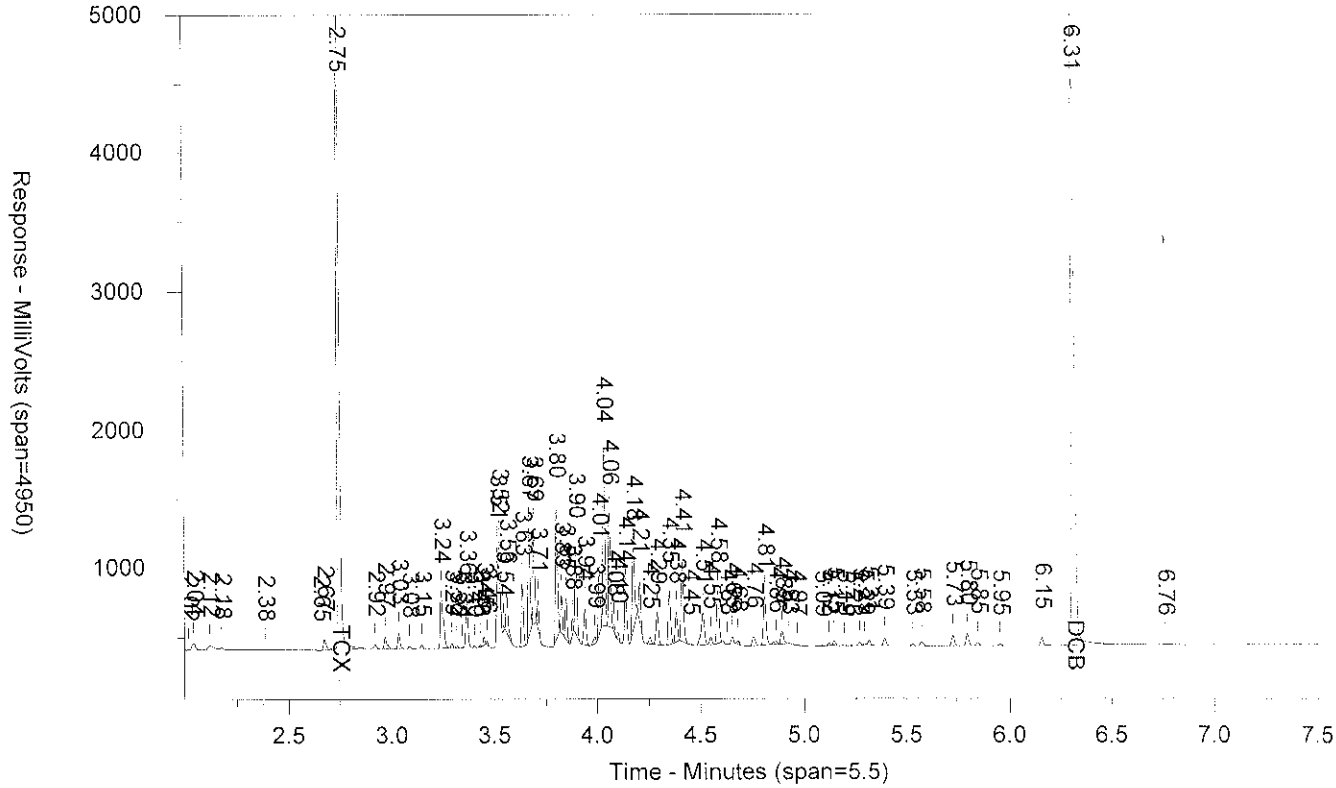

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:46:42 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	13719470	19.597	TCX	2.746	6723167	19.64	TCX
6.748	5539403	19.136	DCB	6.312	5387782	19.56	DCB

Files:
Area File: 07pcbs17299001.0015.RAW
Area File: 07pcbs17299001B.0015.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 12:55:22 AM
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AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608

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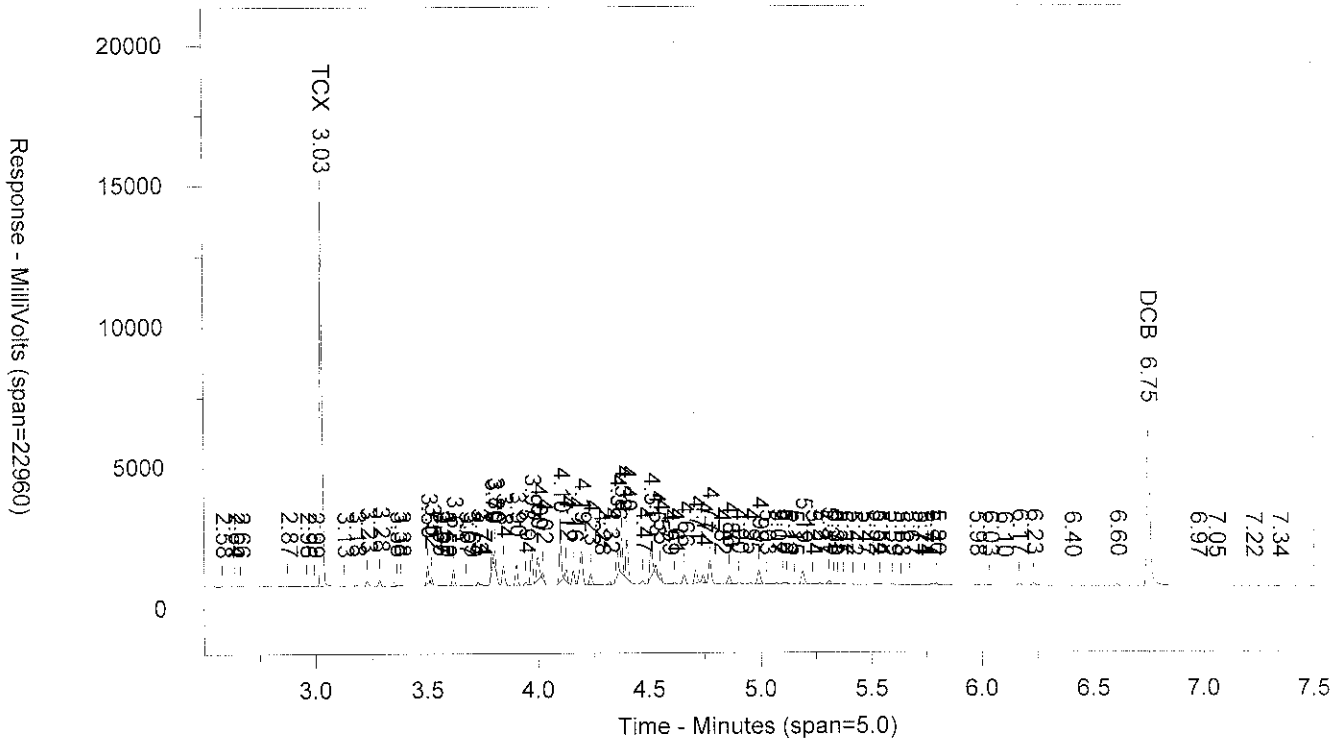

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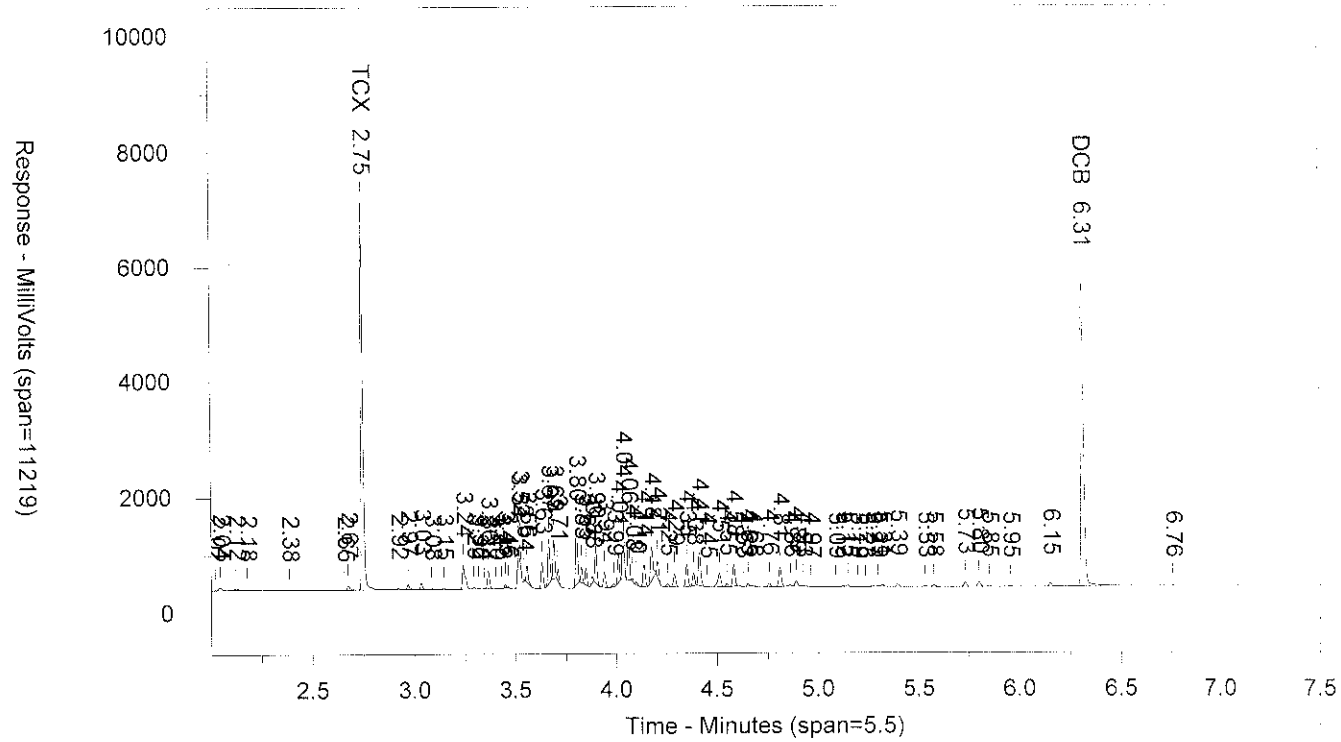

AR4831724C AAAR483AA ICAL 1729899999 06030 EPA 608

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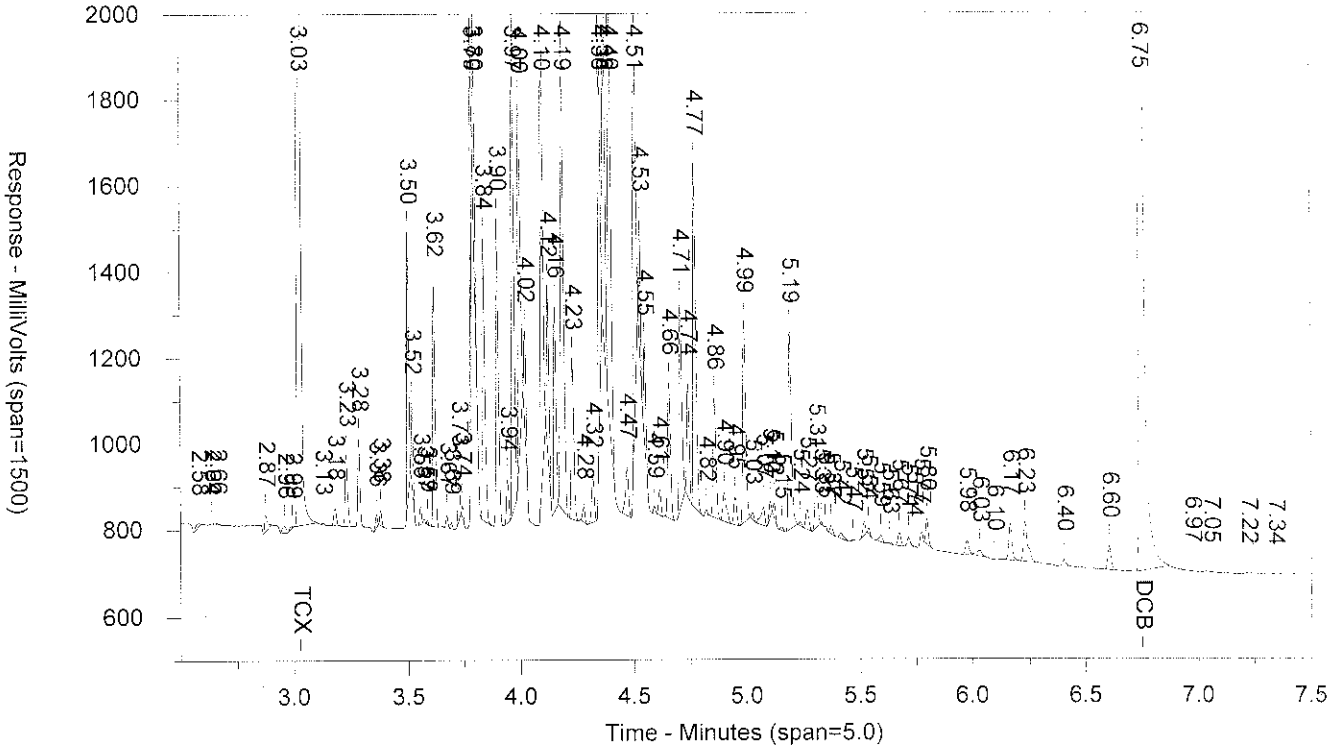

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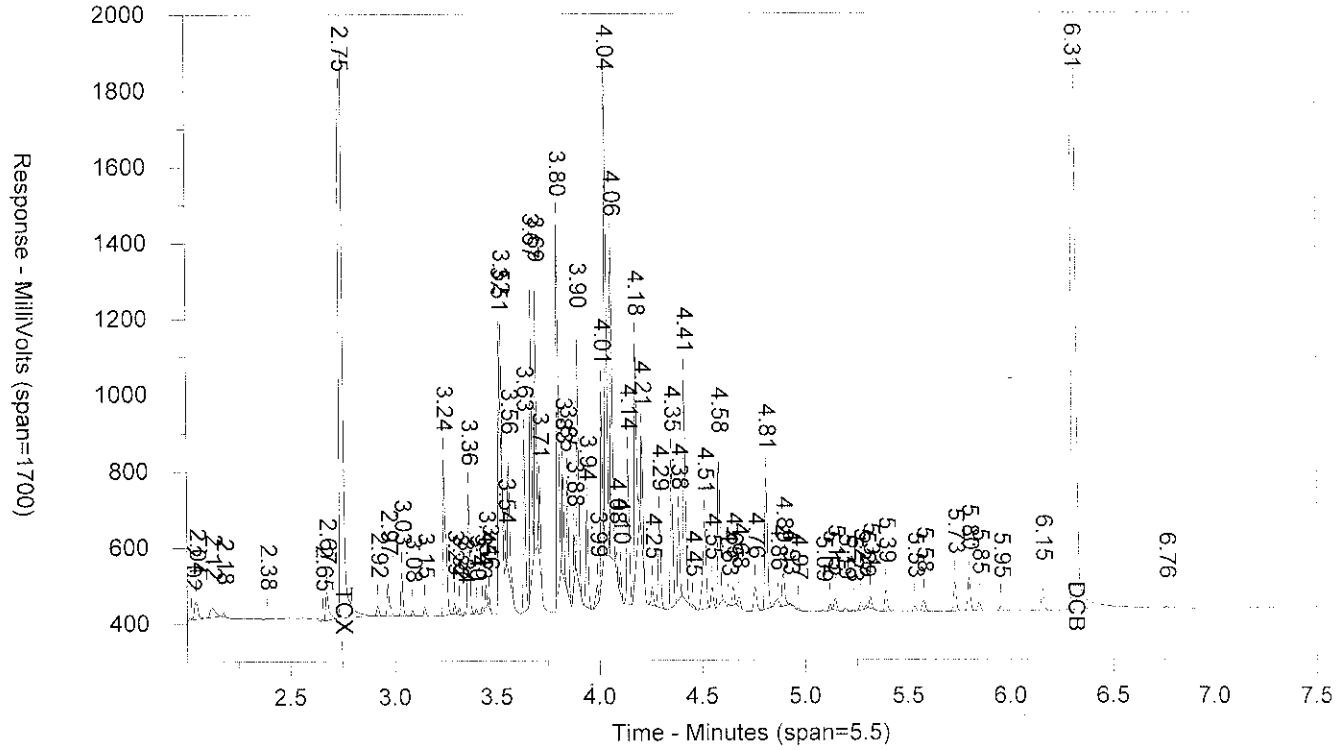

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:57:53 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: 07pcbs17299001.0016.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.543		10465	10348
1.589		41839	87853
1.637		22345	26054
2.009		1536	4262
2.06		2302	3559
2.133		18522	63402
2.178		51290	98844
2.314		112686	78469
2.408		63814	40965
2.425		42031	26976
2.463		2396	1580
2.517		3097	1735
2.582		6965	13517
2.636		5260	3648
2.663		4420	2591
2.873		41616	34708
2.953		13477	16083
2.995		4117	7492
3.027	TCX	28861540	18245210
3.129		6517	3511
3.179		73391	61167
3.228		324546	243320
3.284		369894	248674
3.36		54784	32495
3.378		69546	39642
3.5		1139708	676947
3.517		360918	184541
3.554		80940	46183
3.57		18605	7565
3.584		19799	9474
3.616		1078825	740439
3.65		5251	2711
3.673		54270	33543
3.693		29674	17803
3.728		199783	120523
3.744		59420	30939
3.79		1102666	577157
3.801		1110881	546900
3.84		1292609	994962
3.9		1421718	1054414
3.943		193209	135186
3.97		2480182	1767613
3.998		1594888	1270057
4.021		495530	259966
4.098		2826829	2020551
4.124		793329	517582
4.156		922185	670565
4.191		2300492	2096464
4.232		718557	568861
4.279		74080	60120
4.32		207041	173457
4.355		1927537	1333722
4.375		2415139	1599404

RT A	Compound A	Height A	Area A
4.399		2697400	2050454
4.47		214067	201407
4.508		2181377	1802249
4.53		652563	348108
4.549		462330	282733
4.59		32168	22403
4.613		120914	91926
4.657		612163	546745
4.709		936933	798338
4.743		517552	386045
4.773		1604890	1364623
4.82		26713	17597
4.859		535773	482276
4.899		131167	149430
4.948		128345	114832
4.991		945466	841697
5.023		29592	21502
5.072		78556	93754
5.102		71684	49922
5.118		55549	35678
5.152		14210	11965
5.191		943000	863566
5.234		16649	11664
5.265		84313	84716
5.308		228834	200989
5.331		13641	5918
5.348		12601	7329
5.372		33972	27885
5.414		20274	22483
5.516		57416	47806
5.535		22304	14341
5.591		21212	19245
5.616		1651	422
5.631		5896	3768
5.673		54880	52973
5.713		38523	32938
5.771		57827	41320
5.795		100232	84305
5.976		59162	57332
6.032		22375	34425
6.095		1682	1208
6.166		158587	155712
6.229		144654	119826
6.401		26690	27539
6.469		2069	1388
6.601		108094	112698
6.687		1585	517
6.747	DCB	11207730	11563800
7.031		1794	1031
7.113		1667	363
7.221		8698	10386
7.279		1625	741
7.312		1499	634
7.442		1624	722
7.489		1122	342
7.506		1323	526
7.644		1155	437
7.788		1474	609
7.993		1427	1353
8.161		2092	797
8.345		1316	590
8.388		1098	415
8.475		1064	394
8.511		1277	327

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:57:53 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: 07pcbs17299001B.0016.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.518		6340	7521
1.548		6480	6679
1.594		1718	1586
1.787		1845	1964
2.046		67812	90831
2.122		24305	43308
2.176		21199	16296
2.387		1839	3159
2.425		3342	3091
2.655		4447	3283
2.673		78271	81726
2.746	TCX	13629470	9614300
2.918		49612	38487
2.966		163090	137279
3.032		203590	149333
3.084		30018	19970
3.145		49246	34811
3.241		720263	740933
3.293		53841	34039
3.316		26146	16611
3.342		12722	6812
3.364		579882	439892
3.401		24907	15401
3.429		33320	17395
3.447		113362	64495
3.463		39930	20379
3.514		465375	240163
3.523		596683	261576
3.543		74687	29624
3.558		552971	379790
3.633		850755	607763
3.667		1437342	965884
3.691		1226148	757978
3.71		372670	202614
3.8		1769993	1294996
3.825		508017	294879
3.846		538120	361430
3.878		216572	116365
3.896		1223479	831881
3.939		470210	381865
3.988		87062	77665
4.011		943311	614124
4.035		2403907	1676994
4.061		1647047	1109888
4.081		90342	42373
4.1		103718	61320
4.137		694210	560547
4.175		1107036	970981
4.205		577752	370237
4.253		89349	68019
4.29		418379	363460
4.35		709155	600403
4.384		402371	301389
4.413		1084595	897275

4.451		16241	15384
4.511		432955	472512
4.547		106249	82608
4.58		672651	579966
4.627		10679	6113
4.65		88180	64506
4.678		50018	39992
4.756		116219	125193
4.81		641208	594742
4.864		40703	50131
4.892		171514	157207
4.924		11512	6196
4.963		11661	8832
5.083		7442	8902
5.121		28239	21414
5.144		56656	47040
5.194		17343	17650
5.231		6718	4902
5.267		38344	31774
5.292		17585	11188
5.314		57418	48497
5.39		97730	89799
5.53		26691	23126
5.575		51899	56892
5.731		138761	131199
5.799		155645	142197
5.847		40979	37996
5.952		24444	21766
6.152		109247	100041
6.312	DCB	10508000	10130580
6.759		7258	6851
8.614		5192	17227

AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608

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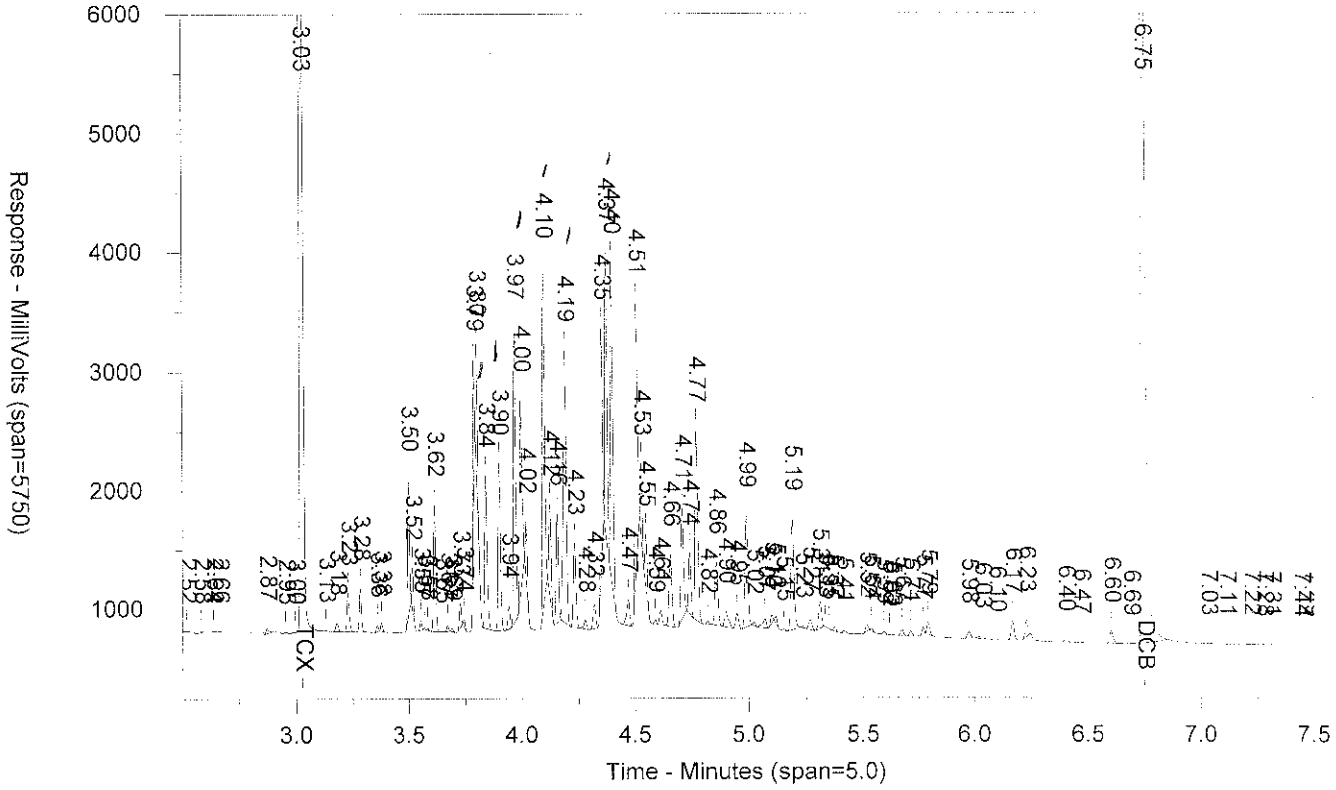

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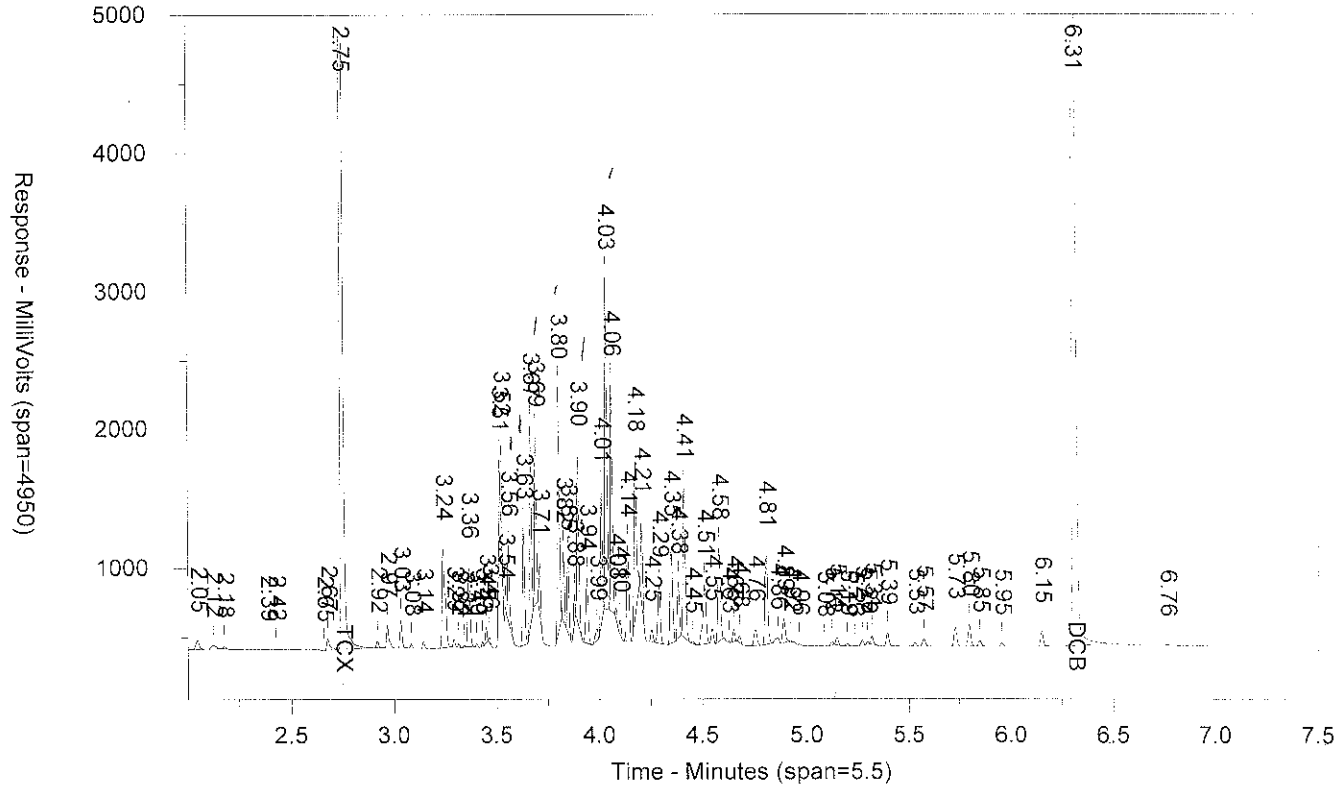

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 12:57:53 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
3.027	28861540	41.225	TCX	2.746	13629470	39.814	TCX
6.747	11207730	38.717	DCB	6.312	10508000	38.149	DCB

Files:
Area File: 07pcbs17299001.0016.RAW
Area File: 07pcbs17299001B.0016.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 1:06:38 AM
File Reported On: 10/29/2017 at 1:39:13 PM

AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608

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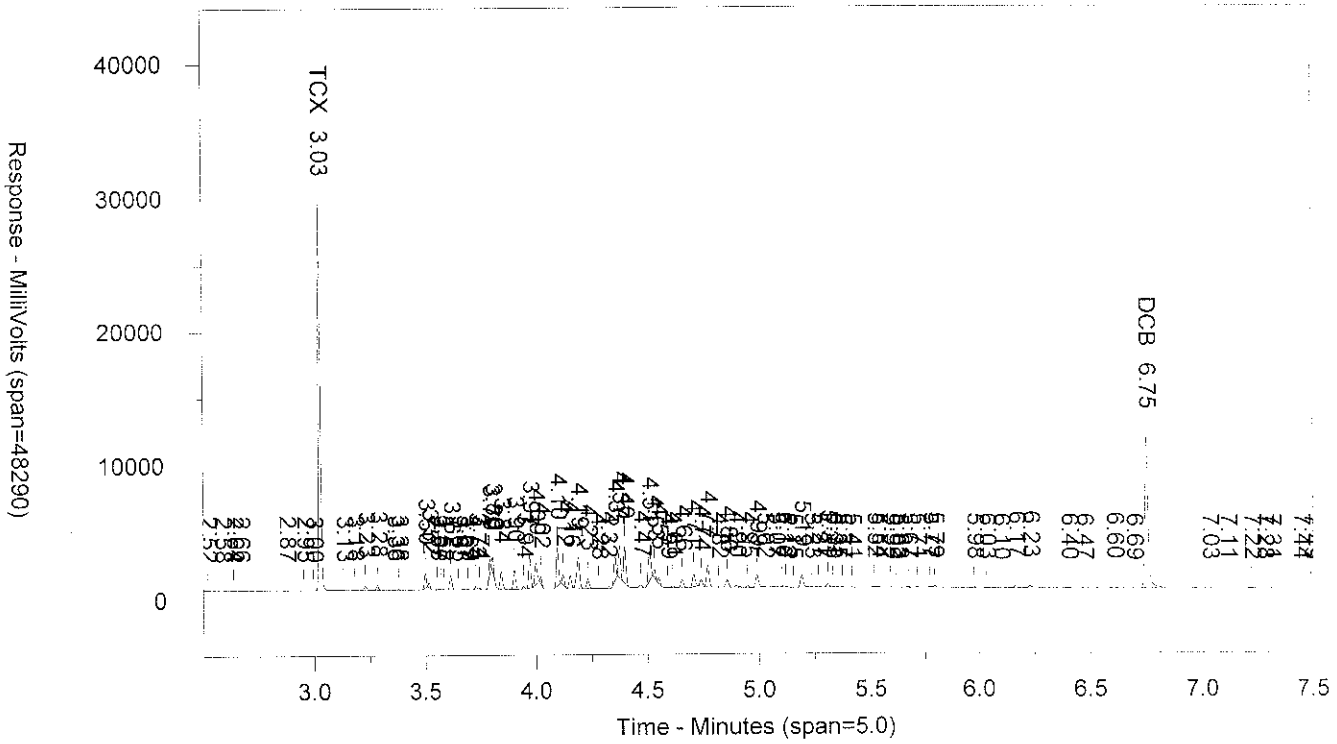

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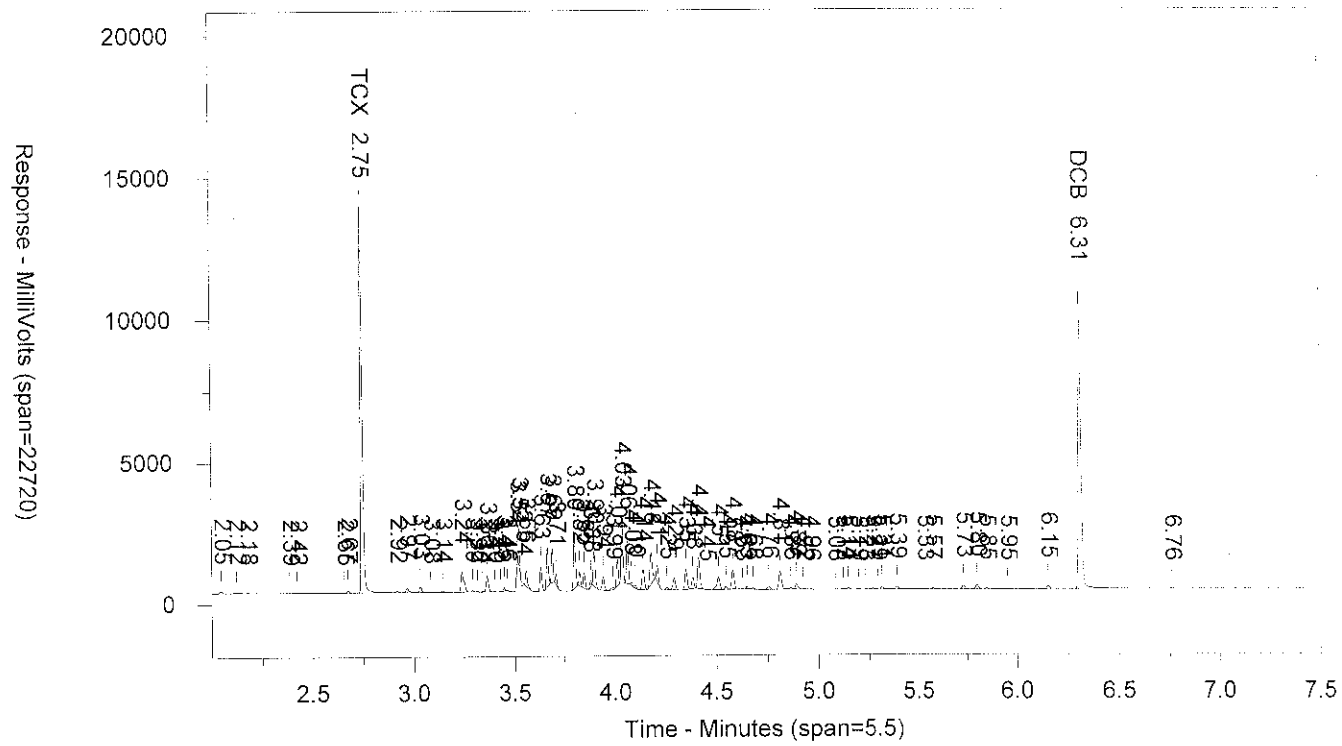

AR4841724C AAAR484AA ICAL 1729899999 06030 EPA 608

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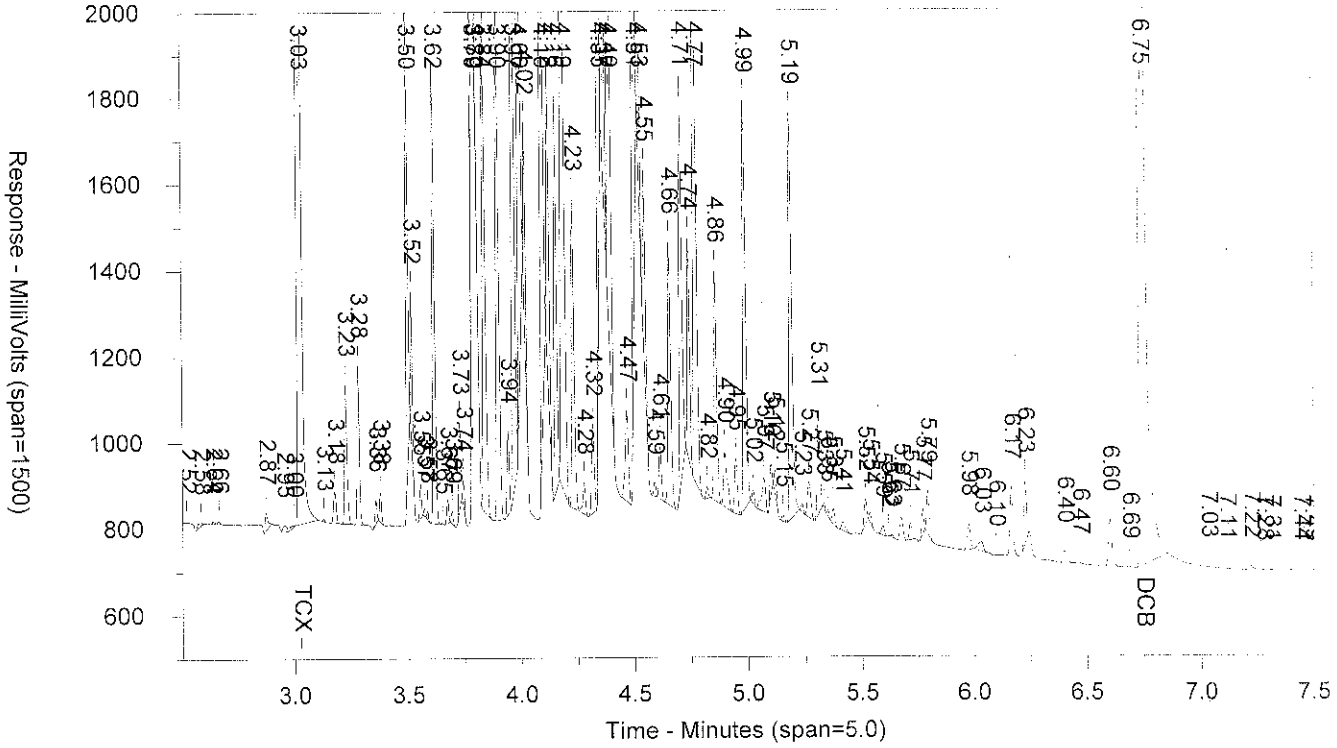

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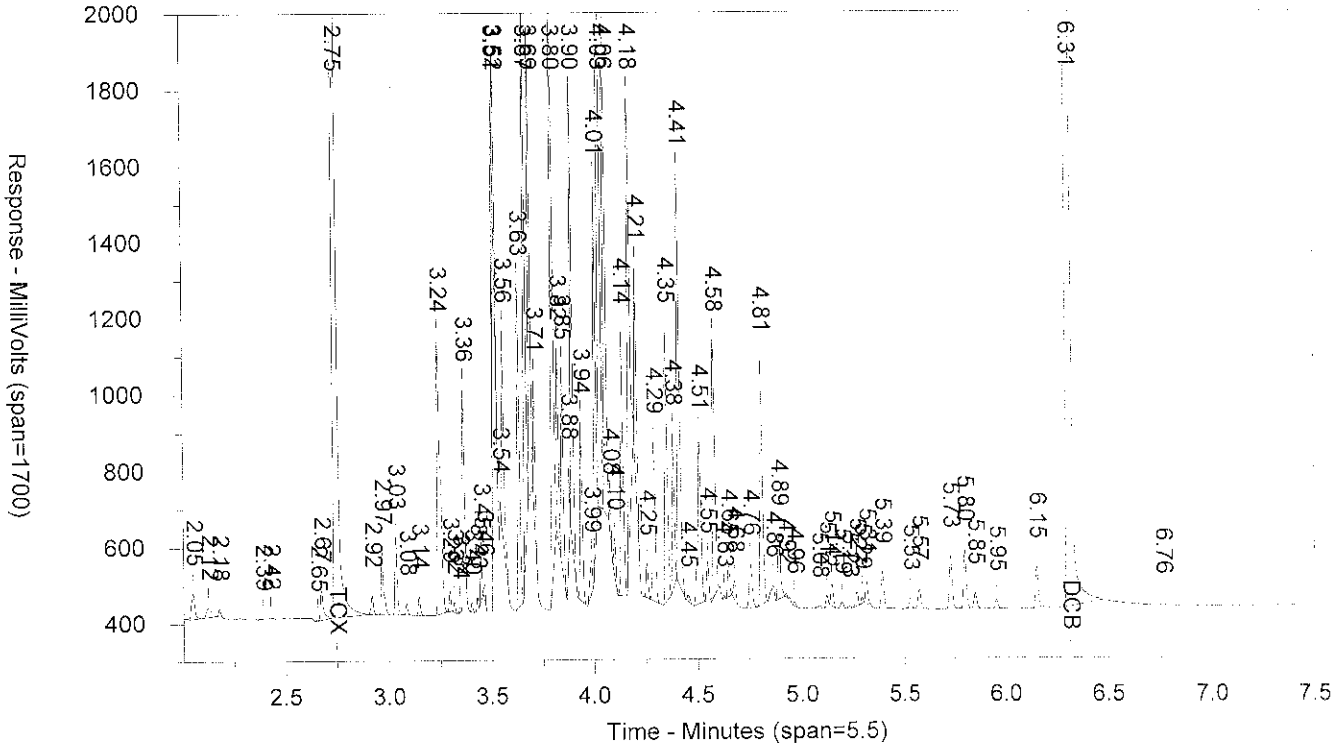

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:09:18 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: 07pcbs17299001.0017.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.542		2001	1239
1.589		20396	41847
1.64		15746	19273
1.935		4433	5648
1.953		7209	6491
2.123		19953	41959
2.18		61829	129520
2.239		5627	5720
2.315		168785	116651
2.409		52372	34018
2.426		63337	41577
2.465		5392	5303
2.573		9584	9811
2.639		5413	3419
2.661		13090	9470
2.875		42657	33506
2.959		9360	10194
3.028	TCX	44226040	28027160
3.129		9751	5389
3.18		173108	147385
3.229		495524	401370
3.285		879842	582812
3.361		80739	45042
3.379		171793	102428
3.501		2717132	1618849
3.518		919660	463122
3.555		197076	113672
3.571		40629	16651
3.585		50114	22326
3.617		2528069	1791824
3.652		8798	4276
3.674		80249	47961
3.693		81100	48029
3.729		461215	281212
3.745		144475	68560
3.791		2596718	1448358
3.803		2638783	1375985
3.841		3227215	2441826
3.902		3515668	2622087
3.943		455719	322264
3.971		6074309	4340328
3.999		3925292	3170444
4.022		1259084	682010
4.1		6720333	4934256
4.125		1970073	1289713
4.156		2262046	1651193
4.193		5938880	5293888
4.234		1778300	1399336
4.28		181863	146984
4.321		501285	412940
4.356		4836531	3396869
4.377		6361595	4138367
4.401		7180279	5271386

RT A	Compound A	Height A	Area A
4.471		520234	477930
4.51		5284720	4549169
4.531		1731971	921055
4.55		1174060	729875
4.591		81164	50328
4.615		284896	213345
4.635		3921	1062
4.658		1491934	1318474
4.711		2367108	2017880
4.743		1340446	987987
4.774		4021890	3482806
4.821		64739	45602
4.837		5418	1207
4.86		1367419	1190461
4.9		298638	359605
4.95		324935	284266
4.991		2329529	2106983
5.023		42844	30983
5.073		180281	220287
5.102		173655	122098
5.119		138476	90978
5.153		30911	25277
5.192		2352903	2187624
5.236		51648	36705
5.266		142471	151215
5.31		554606	481675
5.331		30961	14236
5.348		33491	20772
5.374		82828	67920
5.416		42415	43500
5.483		1346	448
5.517		144878	115589
5.536		53414	32278
5.593		42125	37719
5.617		2577	966
5.631		13726	10989
5.673		83445	79936
5.715		90067	80727
5.739		12494	8223
5.773		142862	110765
5.796		148759	114792
5.978		133514	128795
6.032		52731	82653
6.166		235510	239128
6.23		215417	179109
6.403		62060	61174
6.529		3836	3542
6.571		2925	2095
6.602		174202	178799
6.661		1447	405
6.748	DCB	17328540	17678210
7.221		10742	14421
7.283		1287	345
7.328		1240	807
7.439		2147	1408
7.468		1228	980
7.655		1257	483
7.771		1853	1092
7.985		1246	714
8.017		1361	603
8.139		1394	618
8.215		1307	841
8.25		1391	390
8.31		2011	860
8.335		1769	801
8.377		1380	457

RT A	Compound A	Height A	Area A
8.468		1422	334
8.578		1640	656
8.639		1510	626

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:09:18 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: 07pcbs17299001B.0017.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.518		4068	4045
1.899		4519	10383
2.047		90034	105849
2.124		28000	51101
2.176		31436	24280
2.276		2231	2299
2.352		2442	1441
2.394		1122	2121
2.424		7462	6254
2.654		4290	2752
2.673		80018	83165
2.745	TCX	20672190	14567950
2.918		111469	88446
2.966		240862	225351
3.032		470265	348038
3.084		44249	29255
3.145		113507	81400
3.241		1654940	1681887
3.293		122945	80883
3.316		53879	33096
3.342		32533	17127
3.365		1330582	1016013
3.401		57085	35651
3.43		43437	21831
3.447		273461	154002
3.463		87078	42833
3.514		1109512	591399
3.524		1446536	657615
3.544		174447	64878
3.558		1305449	900098
3.633		2071091	1445446
3.667		3483030	2285039
3.691		2989103	1836114
3.71		888828	481856
3.8		4294480	3089522
3.825		1166113	695468
3.847		1321201	861297
3.878		502608	272886
3.896		2955673	1984631
3.94		1104851	891937
3.988		201600	176123
4.011		2253622	1510224
4.035		6143921	4149073
4.061		4086096	2795375
4.081		211695	101785
4.1		237936	148639
4.138		1655046	1309956
4.175		2833983	2359773
4.206		1583724	973262
4.254		211566	156561
4.29		950249	841774
4.35		1715074	1444238
4.385		962912	719526
4.413		2682289	2175628

4.453		45564	42070
4.512		1012924	1104780
4.547		240111	191273
4.581		1722337	1394606
4.606		35628	17968
4.628		10864	5430
4.651		198914	149078
4.678		113007	92292
4.756		279269	293029
4.81		1642120	1477925
4.853		66970	92364
4.893		400807	375697
4.925		23696	12051
4.94		20762	11045
4.964		29608	21398
5.039		5976	7303
5.069		5548	3149
5.084		12503	8640
5.121		63418	49496
5.146		131211	109244
5.195		38376	39726
5.232		14646	11549
5.268		54931	46384
5.292		42780	28159
5.315		128362	109993
5.391		142138	139851
5.508		2206	1332
5.53		61870	55166
5.577		117228	129624
5.732		207245	195273
5.8		215862	211040
5.849		69516	64951
5.953		56819	52100
5.987		3206	2213
6.107		3640	3502
6.153		170453	156947
6.186		3536	2287
6.313	DCB	15562190	15231540
6.761		12578	11328

AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608

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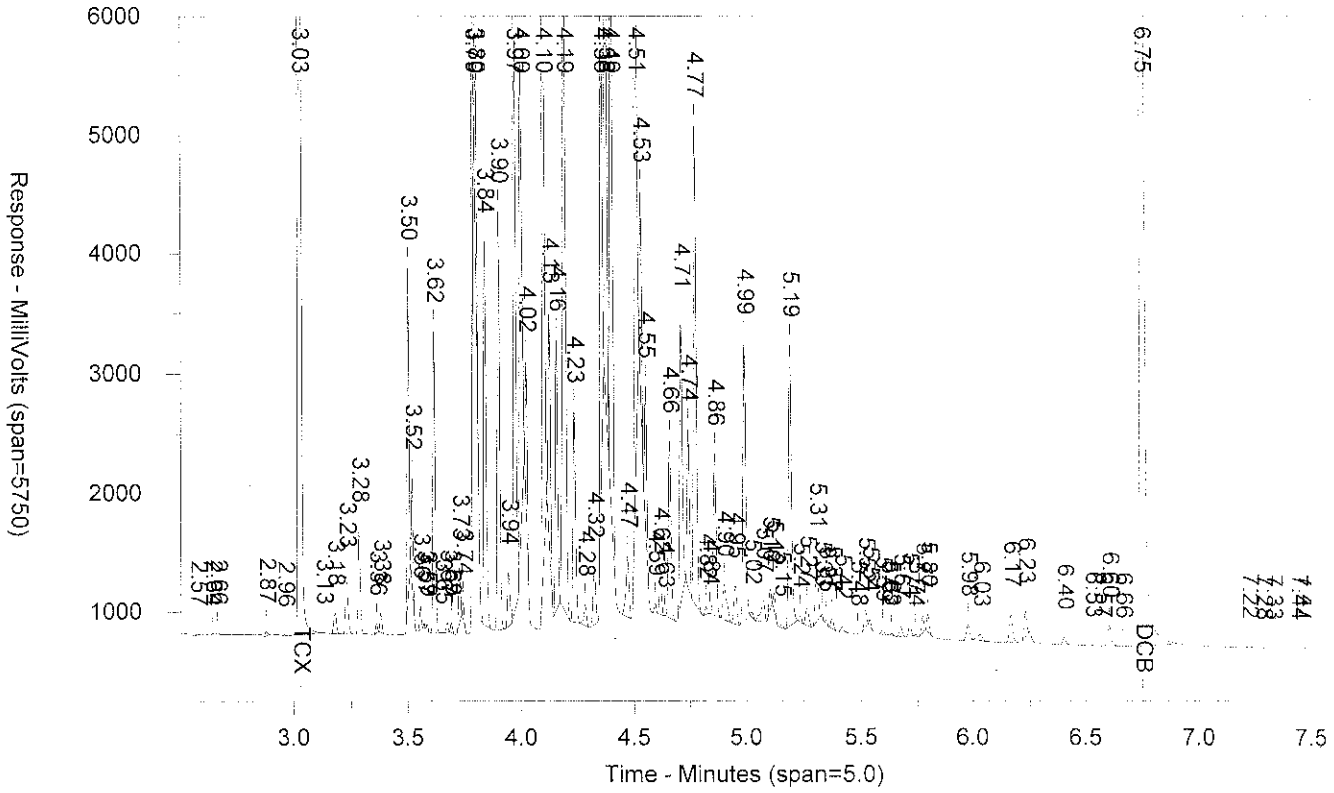

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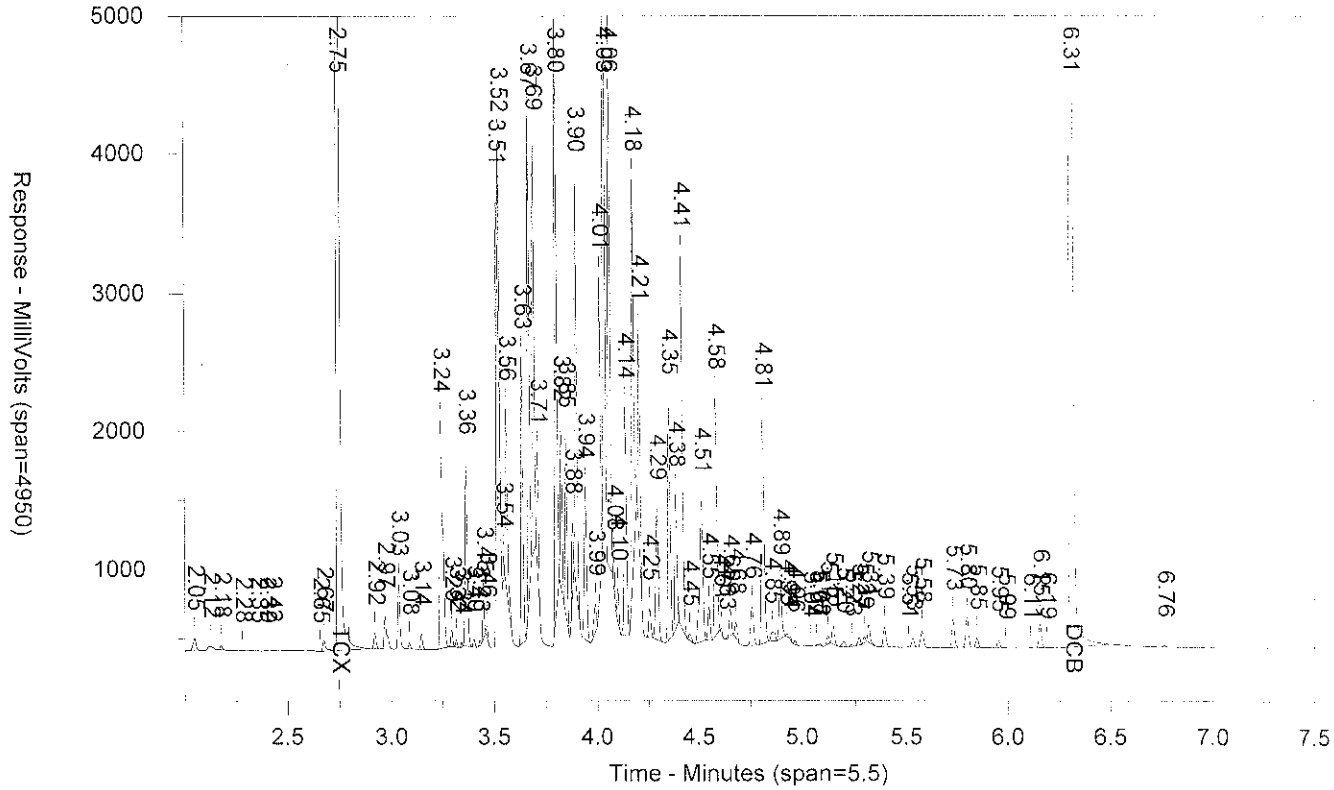

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:09:18 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	44226040	63.171	TCX	2.745	20672190	60.387	TCX
6.748	17328540	59.862	DCB	6.313	15562190	56.498	DCB

Files:
Area File: 07pcbs17299001.0017.RAW
Area File: 07pcbs17299001B.0017.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 1:18:00 AM
File Reported On: 10/29/2017 at 1:39:29 PM

AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608

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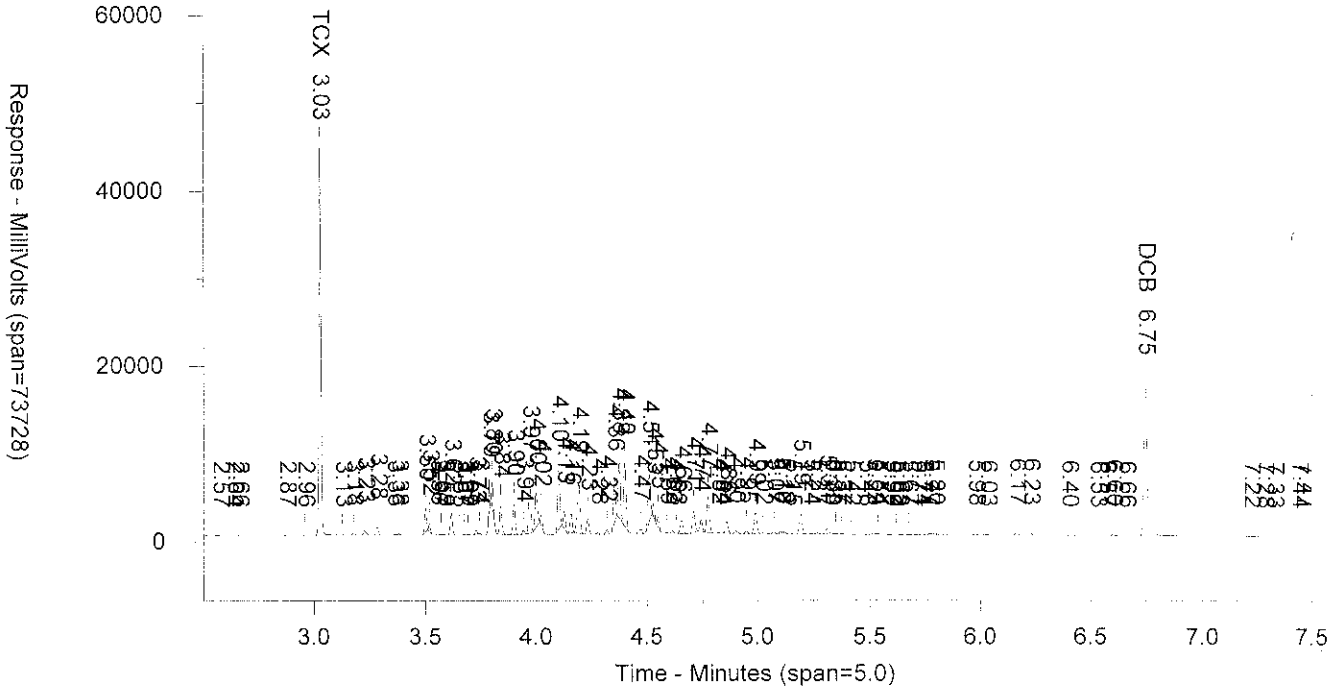

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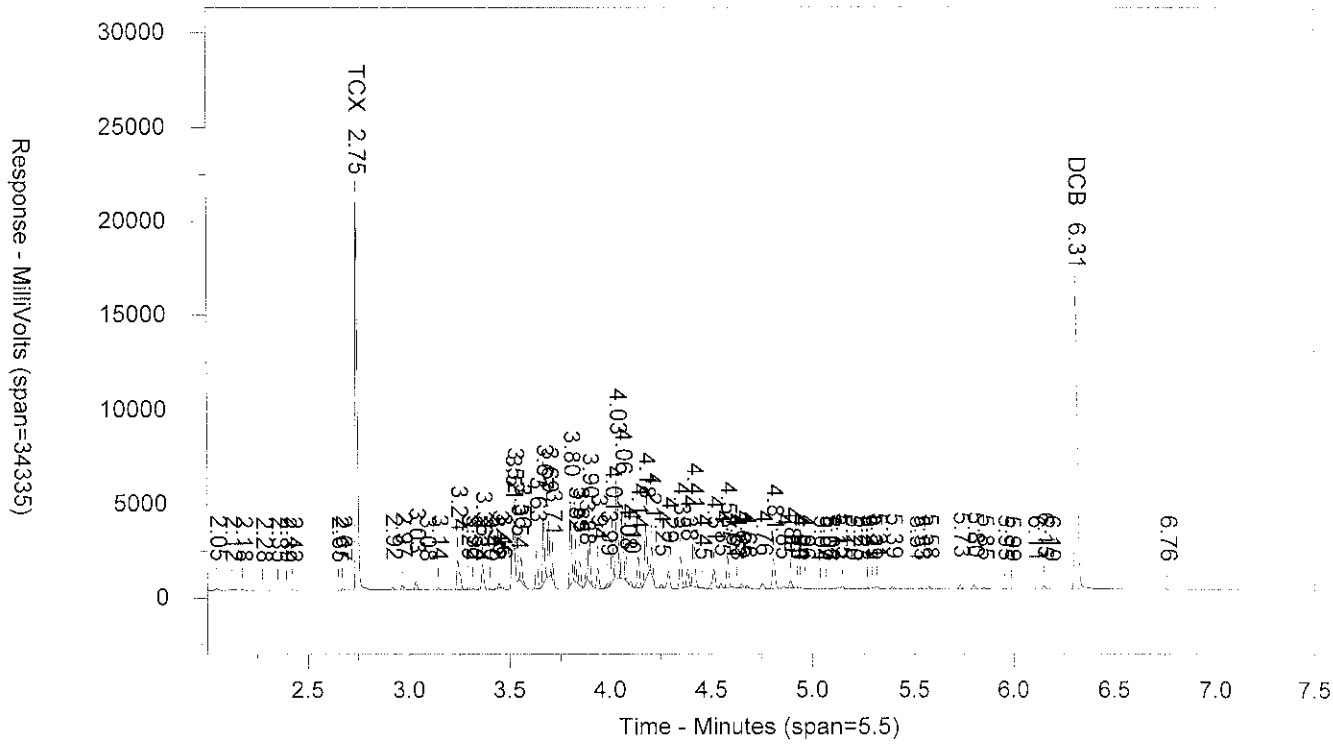

AR4851724C AAAR485AA ICAL 1729899999 06030 EPA 608

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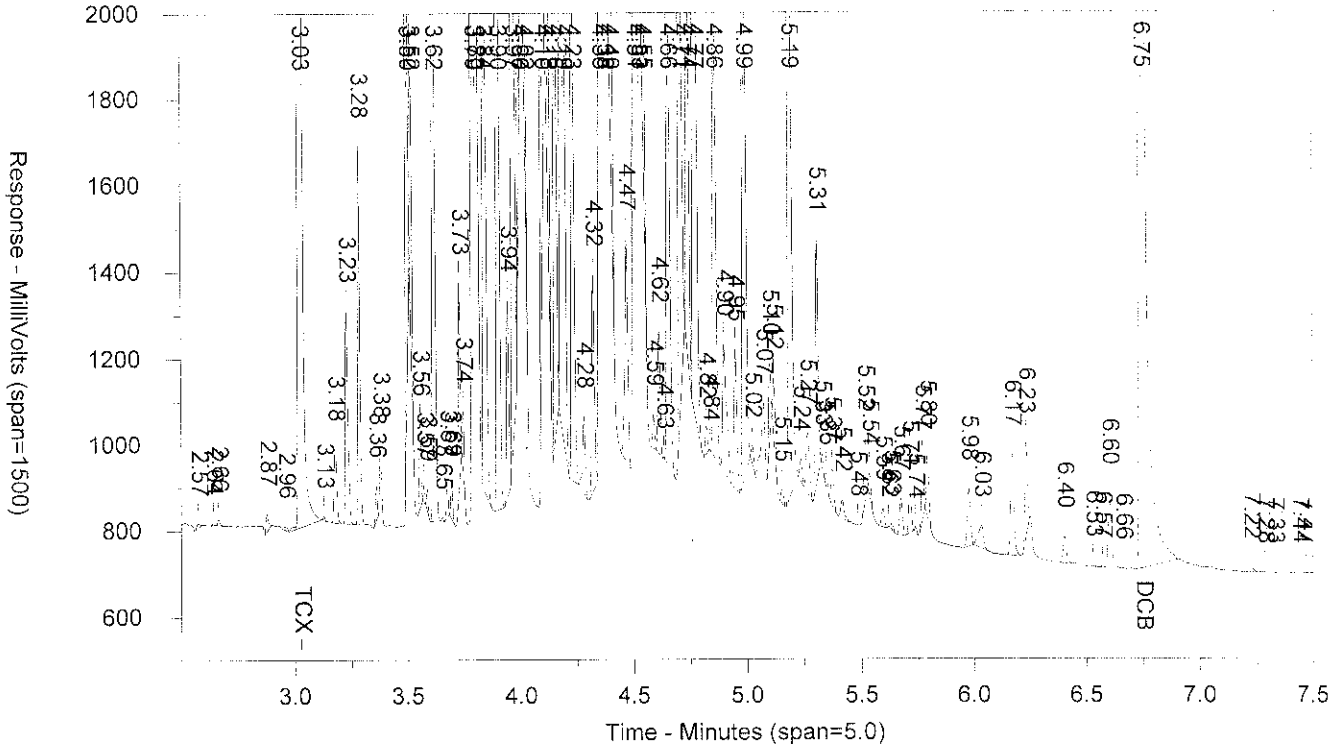

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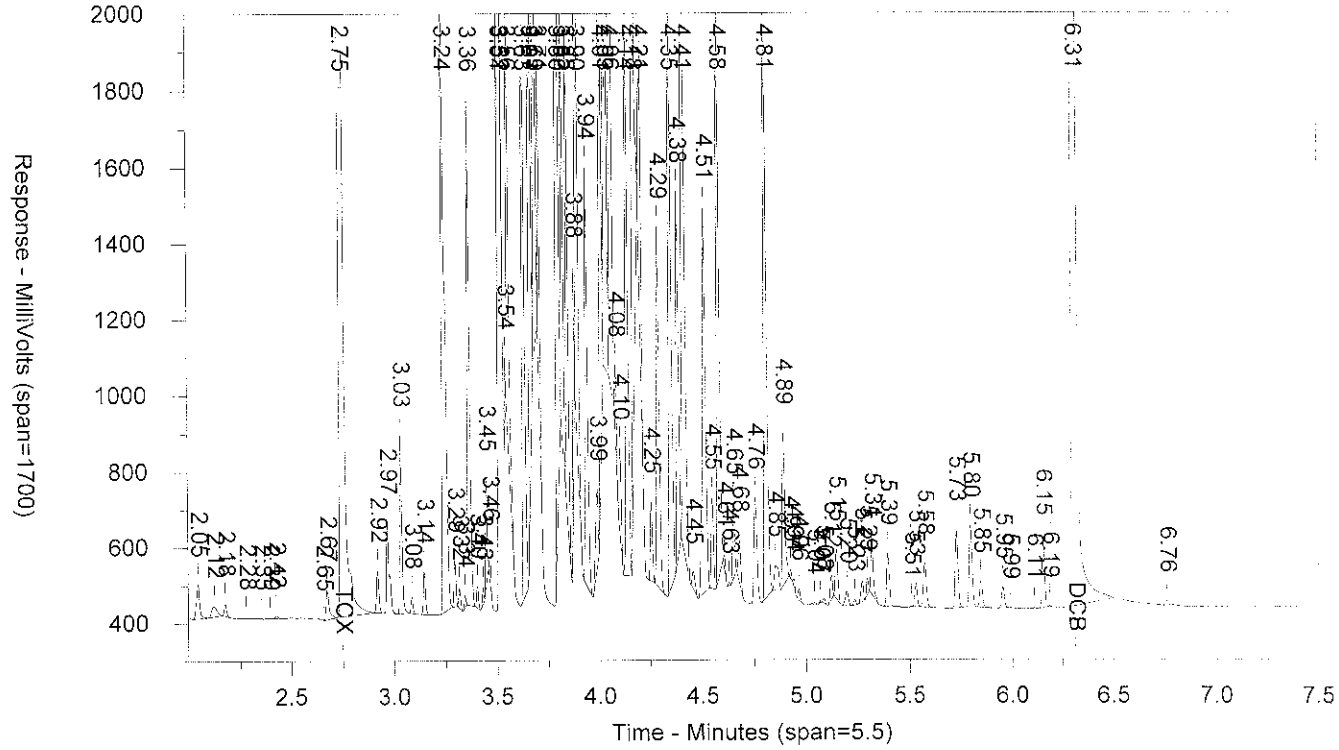

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:20:44 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: 07pcbs17299001.0018.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.542		2764	1208
1.669		12347	122106
1.765		1976	1304
1.863		3284	2756
1.945		4487	4014
2.127		55424	110404
2.179		77801	175290
2.315		221668	153802
2.41		51985	32793
2.426		85001	57352
2.466		7087	8573
2.519		5220	3792
2.573		30065	36139
2.64		3739	2405
2.661		25653	18402
2.875		48868	43349
2.959		25891	27764
3.028	TCX	58527250	37572340
3.129		11503	6723
3.179		346835	291283
3.23		667619	592386
3.285		1785552	1223478
3.361		100730	59385
3.379		340553	208637
3.42		6641	4397
3.501		5330292	3185196
3.518		1713669	906275
3.555		379985	222368
3.571		84397	34460
3.585		92606	43794
3.618		5101062	3604743
3.652		17587	8456
3.674		103808	62586
3.693		159595	96943
3.729		934068	564286
3.745		304788	149429
3.791		5554090	3037158
3.803		5848350	2965905
3.841		6661032	4968104
3.902		7063207	5330353
3.944		900109	626765
3.971		12276550	8746697
3.999		8135886	6528298
4.022		2456346	1295394
4.1		14198160	10067800
4.125		3992871	2650713
4.157		4835479	3447594
4.193		11938480	11020870
4.234		3765653	2904027
4.281		356665	297947
4.322		1032536	834247
4.356		10788310	7149045
4.377		12789390	8148986

RT A	Compound A	Height A	Area A
4.4		14801410	10959010
4.471		1093576	997052
4.51		11355990	9502863
4.531		3616045	1928041
4.55		2309666	1455853
4.591		162538	106674
4.615		581556	437329
4.637		7058	1834
4.659		3230475	2740646
4.711		5010437	4237381
4.743		2897625	2101736
4.774		8677849	7325052
4.822		133470	91569
4.838		4569	1210
4.86		2943349	2506476
4.9		635392	740792
4.95		660566	579565
4.992		4880794	4462149
5.024		66005	44626
5.052		29080	21412
5.073		344738	301622
5.104		343026	238013
5.12		273336	171313
5.154		64585	50824
5.193		5031273	4645535
5.237		107553	77604
5.267		215597	249526
5.311		1147255	997606
5.332		62864	30904
5.35		60654	33019
5.374		166823	132140
5.416		92878	93803
5.455		4235	3956
5.491		1842	792
5.517		300959	240644
5.537		120305	74593
5.595		80853	67139
5.619		3023	1480
5.633		29601	21979
5.675		119215	112571
5.716		188617	164574
5.741		27456	17635
5.774		291245	230880
5.797		204136	153554
5.979		257104	251187
6.033		106275	168455
6.099		3263	2500
6.167		327965	330449
6.231		290248	238687
6.404		116078	118053
6.444		3366	3361
6.53		4796	4754
6.555		1569	469
6.572		3735	2685
6.604		241066	251006
6.749	DCB	22544680	23283860
6.947		4032	2467
7.021		1725	595
7.223		15016	20114
7.444		1569	1108
7.508		1076	229
7.732		1029	769
7.876		1418	329
8.071		1302	874
8.474		1386	376
8.6		1580	386

RT A	Compound A	Height A	Area A
8.617		1883	519
8.635		998	582

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:20:44 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: 07pcbs17299001B.0018.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.626		3892	19234
1.84		3286	11720
1.89		3804	5859
2.021		1772	13243
2.047		113564	111993
2.121		28946	50715
2.176		42665	32935
2.268		3142	27611
2.385		4908	9106
2.425		15330	12556
2.492		2516	2689
2.655		5064	3343
2.673		94517	104552
2.746	TCX	27777790	18887710
2.787		42697	27815
2.918		224649	175893
2.966		230978	124732
2.979		69122	31010
3.032		872507	650936
3.084		60100	37448
3.145		214907	157624
3.241		3197122	3216174
3.293		235448	153517
3.315		95912	59511
3.342		64413	34787
3.365		2591714	1970541
3.402		109670	71484
3.43		55135	26799
3.448		549710	310710
3.463		168104	78947
3.514		2253410	1218743
3.524		2948274	1349827
3.544		322723	123147
3.558		2772808	1838905
3.633		4115227	2895983
3.667		6737008	4505323
3.692		6105329	3656701
3.71		1730840	939617
3.801		8538307	6167332
3.825		2455263	1401354
3.847		2543639	1696999
3.878		955127	515929
3.896		5925330	3982191
3.94		2183484	1758718
3.988		412872	352165
4.012		4721553	3091793
4.035		12096570	8392147
4.061		8560630	5755184
4.081		394421	186309
4.101		463409	274310
4.138		3399180	2596703
4.176		5584284	4554184
4.206		3308200	2103984
4.255		396121	303332

4.291		1951885	1653280
4.351		3580348	2929504
4.385		1927287	1449207
4.414		5601107	4416566
4.454		78079	76138
4.512		2029665	2179068
4.548		469524	375617
4.582		3554690	2824985
4.606		61523	32221
4.627		9388	4177
4.651		389312	291457
4.679		242994	190171
4.757		521285	551445
4.811		3632119	3061400
4.853		131552	158426
4.893		799292	748636
4.925		45196	22964
4.941		39828	22273
4.966		57818	42897
5.041		13999	23796
5.07		7535	4530
5.086		26036	18458
5.122		119294	90592
5.146		252440	210446
5.196		75387	74994
5.232		28612	22194
5.267		76301	65770
5.294		89472	56648
5.315		240405	206521
5.391		203628	193048
5.508		3164	2165
5.531		115217	105059
5.577		213277	250345
5.732		281162	266494
5.8		300309	288964
5.849		106007	101440
5.953		106511	99654
5.985		4470	3520
6.107		4002	3910
6.153		238692	219248
6.183		4527	2770
6.277		2099	1504
6.313	DCB	21275060	19815350
6.761		16527	22582
6.937		2528	4370
7.549		1735	2149
8.619		5284	12426

AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608

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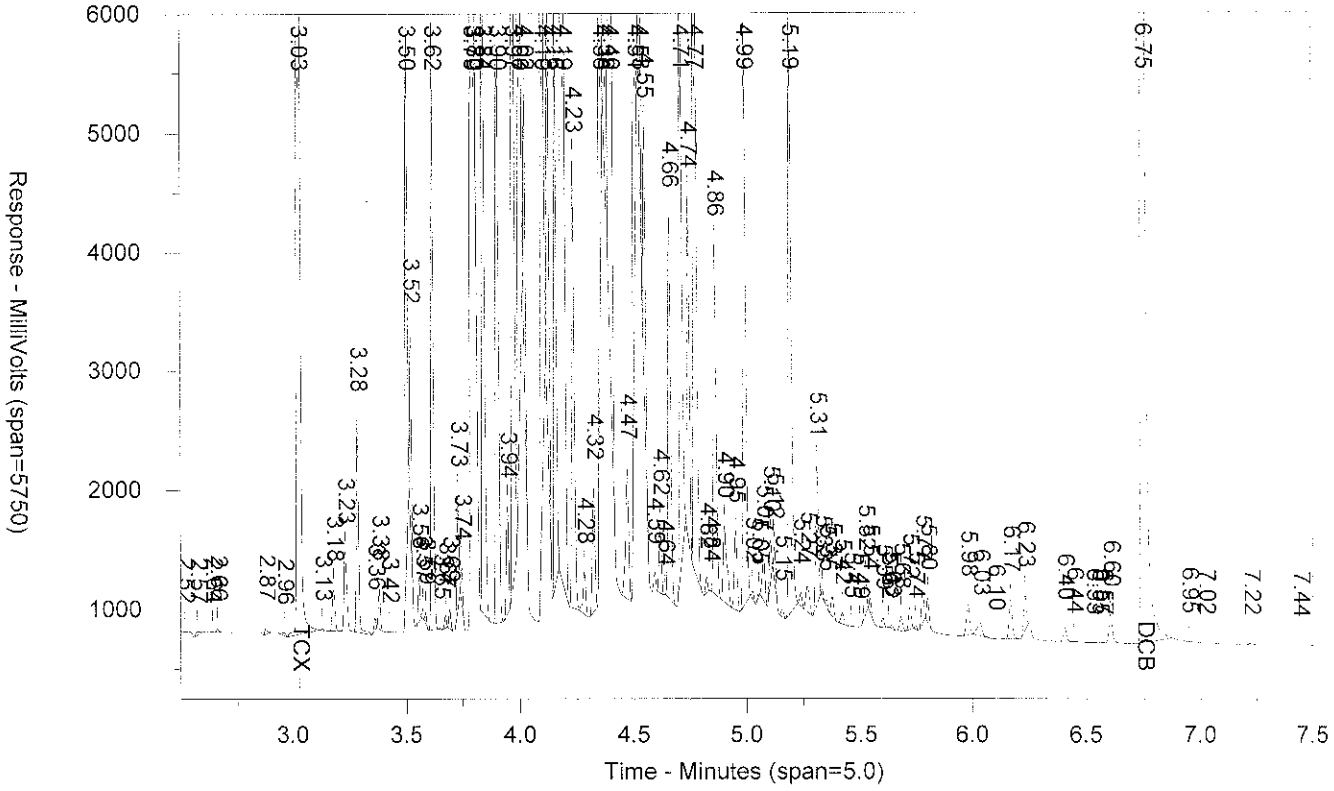

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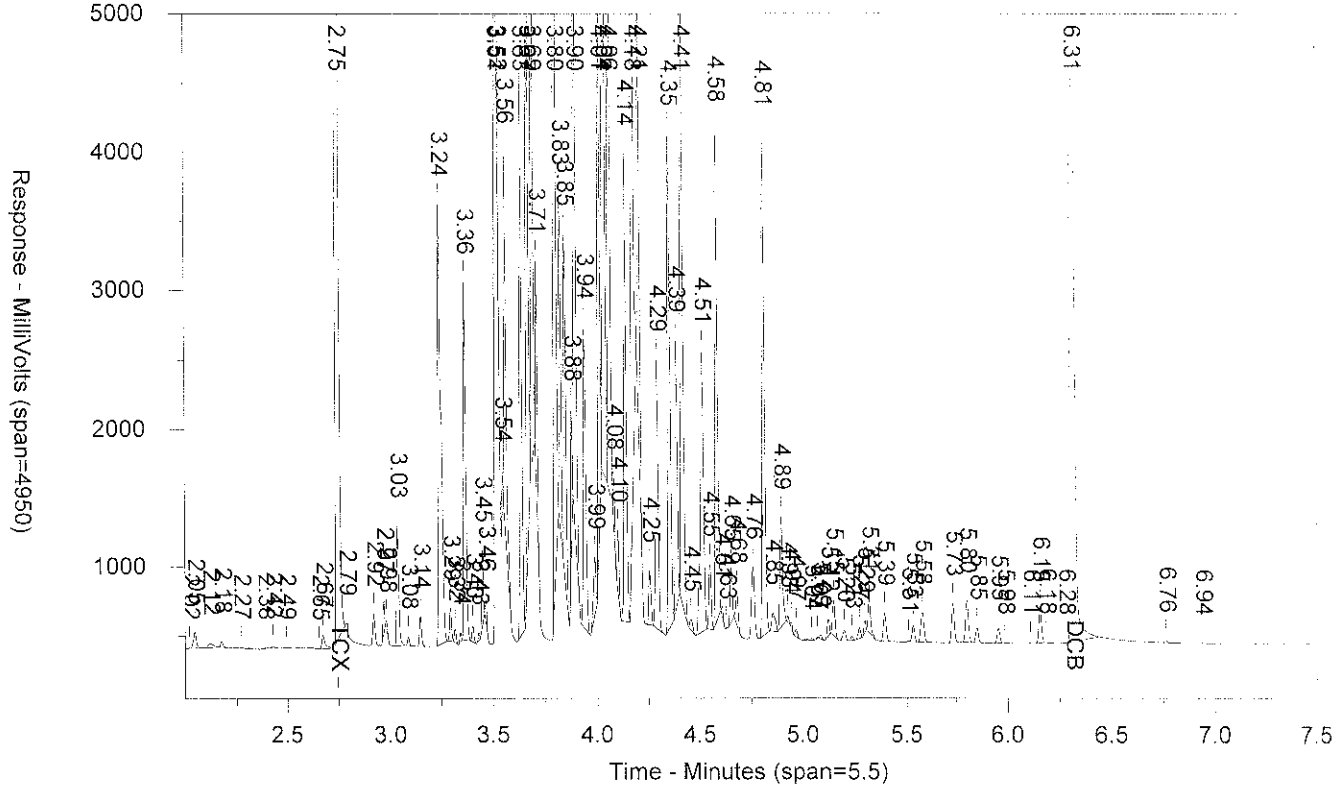

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:20:44 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	58527250	83.599	TCX	2.746	27777790	81.144	TCX
6.749	22544680	77.881	DCB	6.313	21275060	77.238	DCB

Files:
Area File: 07pcbs17299001.0018.RAW
Area File: 07pcbs17299001B.0018.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 1:29:29 AM
File Reported On: 10/29/2017 at 1:39:43 PM

AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608

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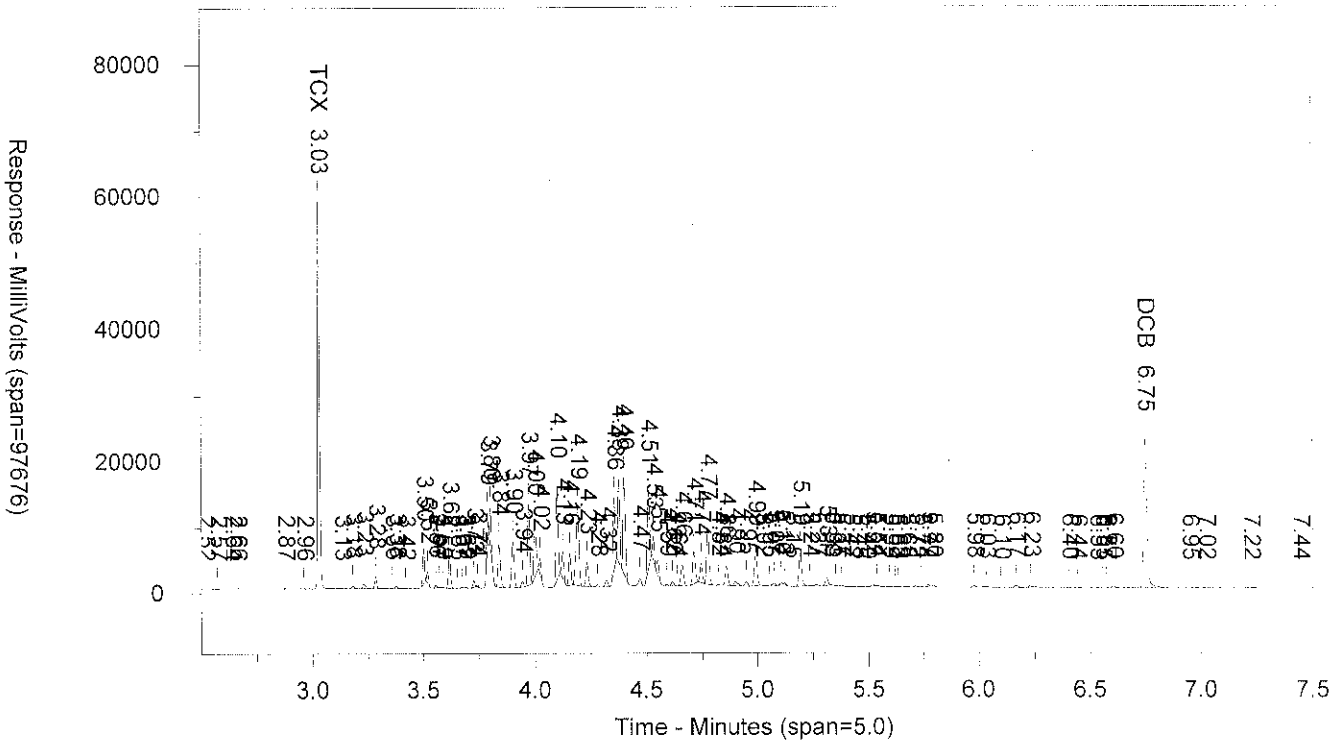

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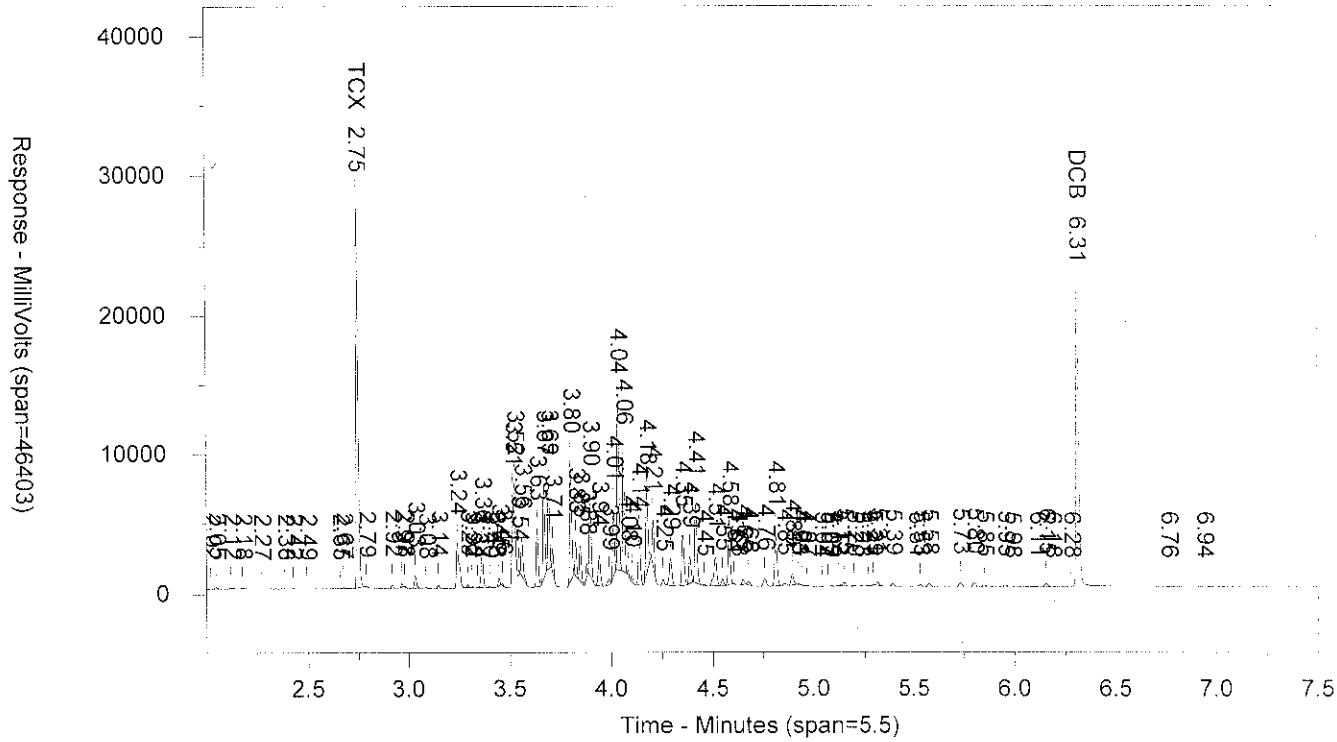

AR4861724B AAAR486AA ICAL 1729899999 06030 EPA 608

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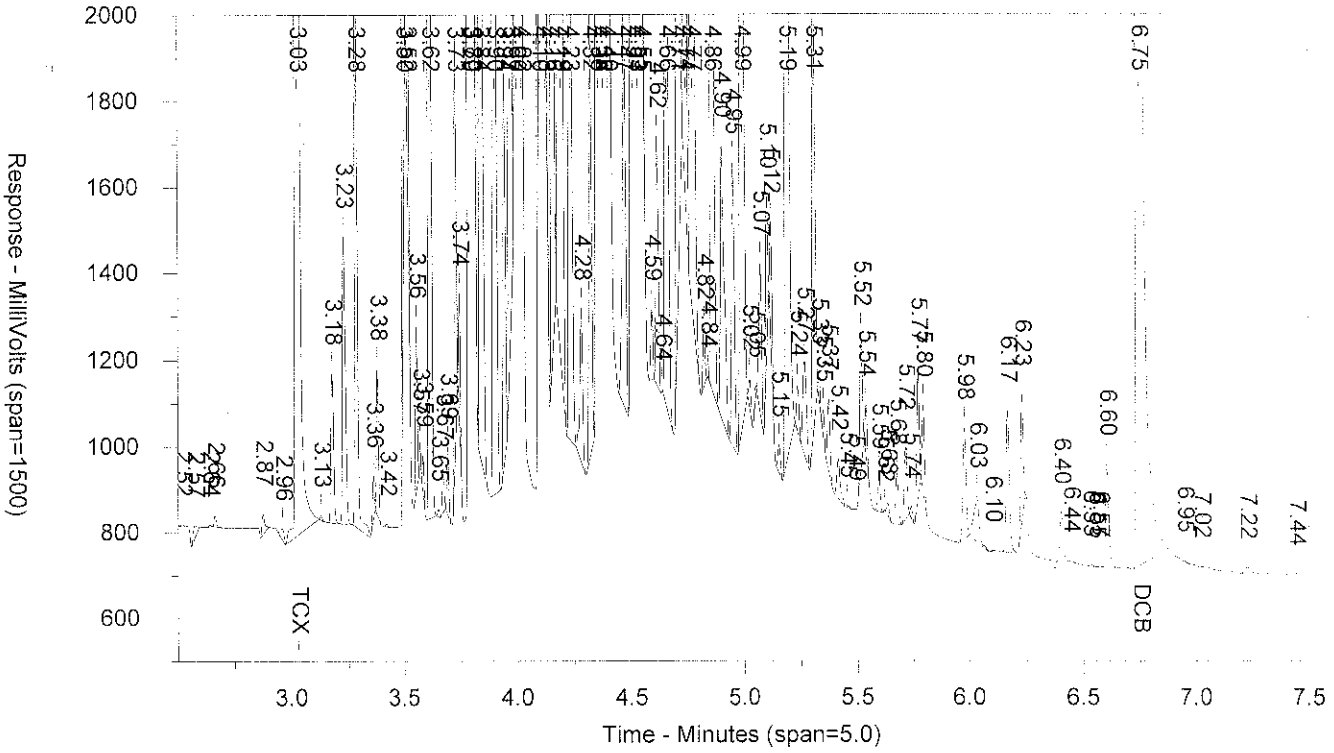

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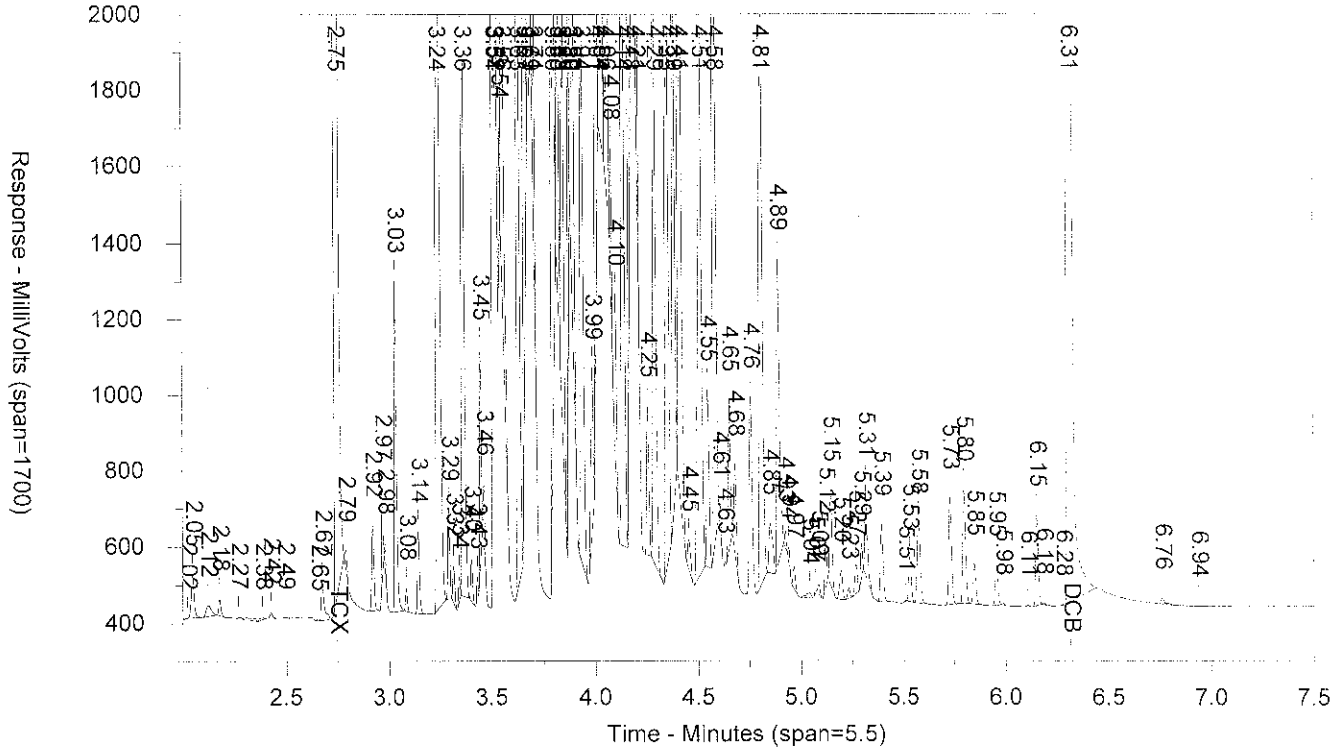

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:32:10 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0019.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.671		5878	55293
1.81		2314	1432
1.951		4204	2610
1.994		2297	1918
2.13		22587	55545
2.18		53462	114224
2.244		3493	3674
2.315		7352	8503
2.41		53780	33253
2.465		4200	3654
2.584		7494	14321
2.875		34877	24450
2.959		15484	18186
2.986		5306	3548
3.028	TCX	1367386	899334
3.185		2341	2170
3.229		17539	12278
3.287		5206	3912
3.362		7113	6172
3.502		9164	5964
3.551		1478	1509
3.572		2638	1767
3.601		3267	1742
3.618		7190	4648
3.729		3410	7534
3.789		9032	8844
3.843		16808	12903
3.865		1305	296
3.879		870	101
3.901		12799	10470
3.935		568	171
3.944		2021	1031
3.971		281691	201584
3.999		68748	51969
4.049		3997	4214
4.1		164916	122964
4.126		10190	6066
4.157		15203	10949
4.192		67022	59229
4.234		13561	10224
4.28		3119	3237
4.321		12041	10898
4.357		375545	276884
4.377		137620	82499
4.403		110655	87980
4.471		102344	83698
4.514		526047	561764
4.55		196262	155498
4.593		7335	5373
4.615		30924	24989
4.658		185222	161627
4.711		341818	305226
4.743		81806	54750

RT A	Compound A	Height A	Area A
4.774		665579	591216
4.823		31751	22060
4.838		13976	6961
4.861		94803	72919
4.9		222047	217831
4.95		38327	33949
4.992		419400	391790
5.023		11263	7215
5.052		37771	31536
5.072		7334	5293
5.103		146096	105134
5.12		82270	49981
5.152		6526	4860
5.193		322298	314628
5.238		34728	26766
5.264		37639	53164
5.31		435255	384185
5.332		21513	10664
5.373		11928	7574
5.416		19485	25335
5.467		2591	1498
5.518		118278	96638
5.538		22893	14483
5.593		19027	17675
5.634		15664	13286
5.675		9640	9404
5.715		75497	68468
5.741		11696	7250
5.774		51057	43246
5.98		52850	50213
6.01		6913	5599
6.102		2132	2120
6.166		14188	14326
6.23		20326	28917
6.382		1284	349
6.404		4434	4060
6.436		1412	871
6.603		6278	5013
6.749	DCB	602828	669615
7.031		1269	337
7.104		1612	1239
7.203		781	170
7.275		1133	619
7.309		1133	550
7.428		1571	1109
7.587		1102	697
7.655		1208	278
7.677		1190	569
7.752		1118	333
7.827		1415	407
8.023		688	286
8.154		867	551
8.227		1501	381
8.398		1059	724
8.544		1201	409
8.647		1590	336
8.656		1530	466

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:32:10 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0019.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.614		2152	7420
1.776		1711	1286
1.89		5084	9560
2.039		33447	37707
2.122		24745	52831
2.392		1441	2697
2.654		5182	3335
2.673		68526	72463
2.746	TCX	670999	493535
2.966		9974	16818
3.086		2518	5413
3.241		6696	8288
3.318		12002	9932
3.367		5754	7118
3.403		3339	1950
3.464		8471	8031
3.515		10908	13700
3.544		3154	1283
3.56		6416	4753
3.634		8951	8402
3.667		185712	127534
3.691		52893	32201
3.801		112979	82153
3.824		6511	3488
3.848		9751	7733
3.878		4206	2093
3.896		41310	29572
3.938		10477	8492
3.981		6961	6627
4.012		32212	19270
4.034		405227	304127
4.061		36153	20630
4.082		34093	19306
4.101		65542	44377
4.138		358098	288973
4.171		125287	89451
4.192		80249	49487
4.254		27337	26193
4.29		141542	119924
4.35		280845	234604
4.385		74166	55271
4.414		469612	411000
4.453		33491	33101
4.51		238292	232671
4.548		32108	26923
4.582		314257	251917
4.606		45137	29816
4.651		206866	176851
4.678		7243	4611
4.756		184740	195746
4.811		218330	193558
4.852		56485	52443
4.892		359011	393151
4.941		23603	15462

4.964		10166	7496
5.028		4771	6065
5.085		17872	14980
5.121		16912	12259
5.146		110830	95692
5.196		14775	14097
5.233		11674	9875
5.266		8072	7761
5.294		46891	35181
5.315		37256	29808
5.39		10527	10617
5.53		2979	2563
5.574		50047	53493
5.732		12363	12490
5.799		14913	13280
5.851		5651	5779
5.954		2426	1678
6.153		7223	8627
6.274		1354	1250
6.314	DCB	620962	617509
6.789		2953	3719
6.986		965	1370
8.621		5079	11702

AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608

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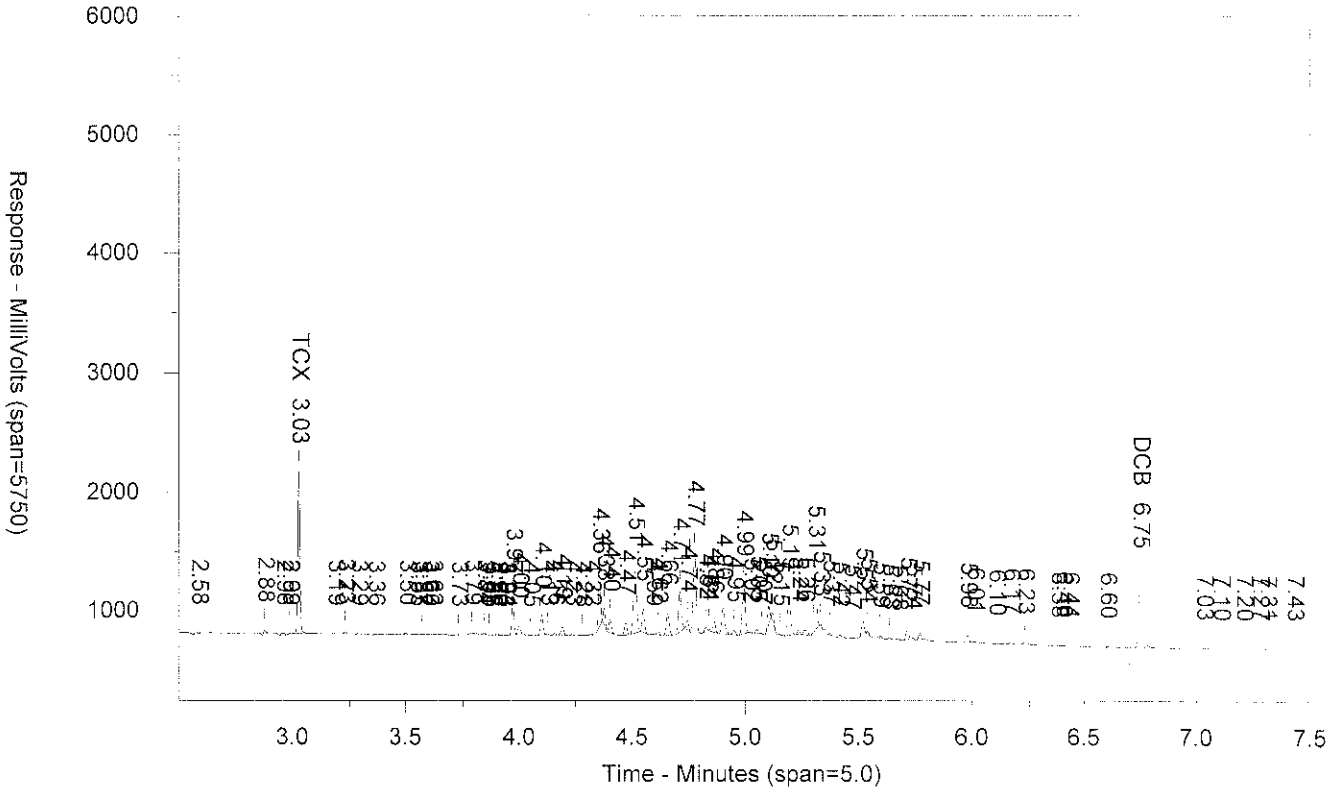

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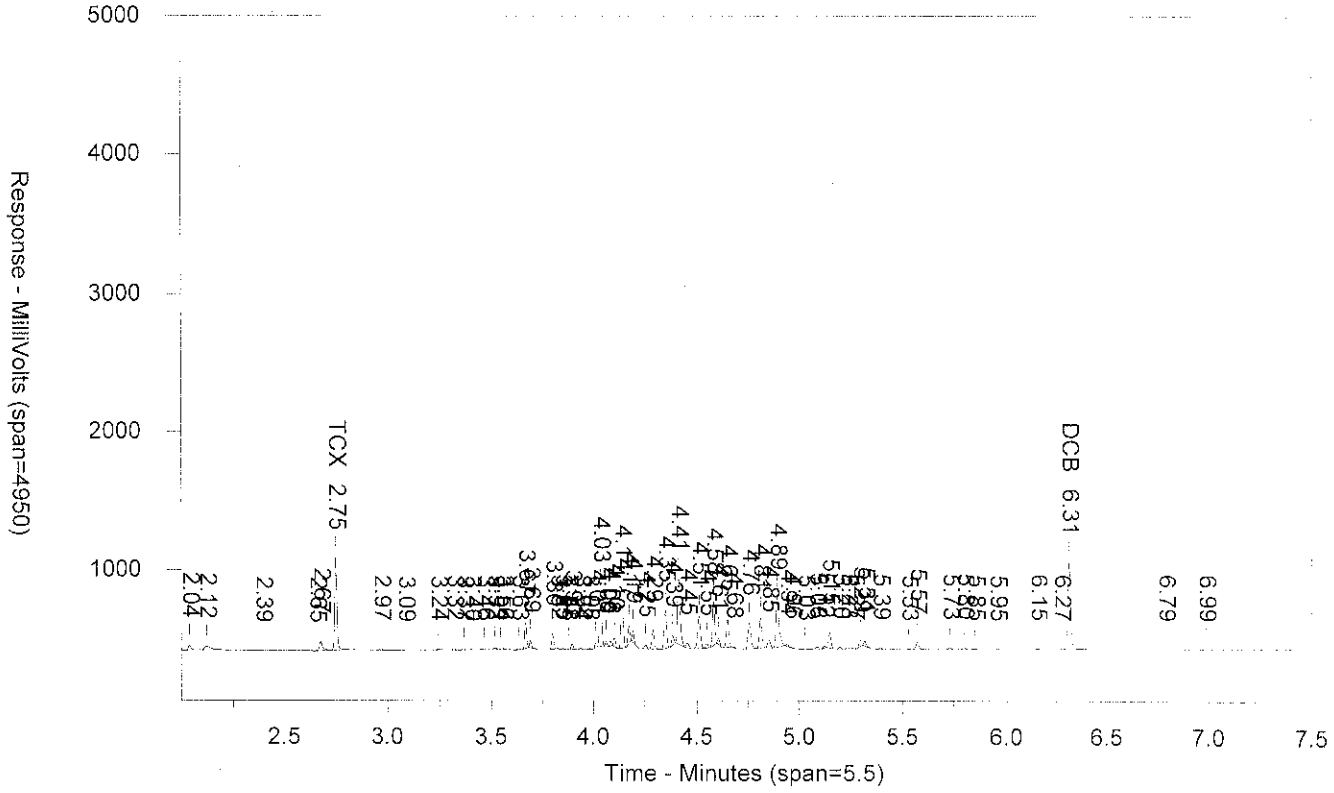

LANCASTER LABORATORIES

Sample Number: AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:32:10 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1367386	1.953	TCX	2.746	670999	1.96	TCX
6.749	602828	2.082	DCB	6.314	620962	2.254	DCB

Files:
Area File: 07pcbs17299001.0019.RAW
Area File: 07pcbs17299001B.0019.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 1:40:55 AM
File Reported On: 10/29/2017 at 1:39:53 PM

AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608

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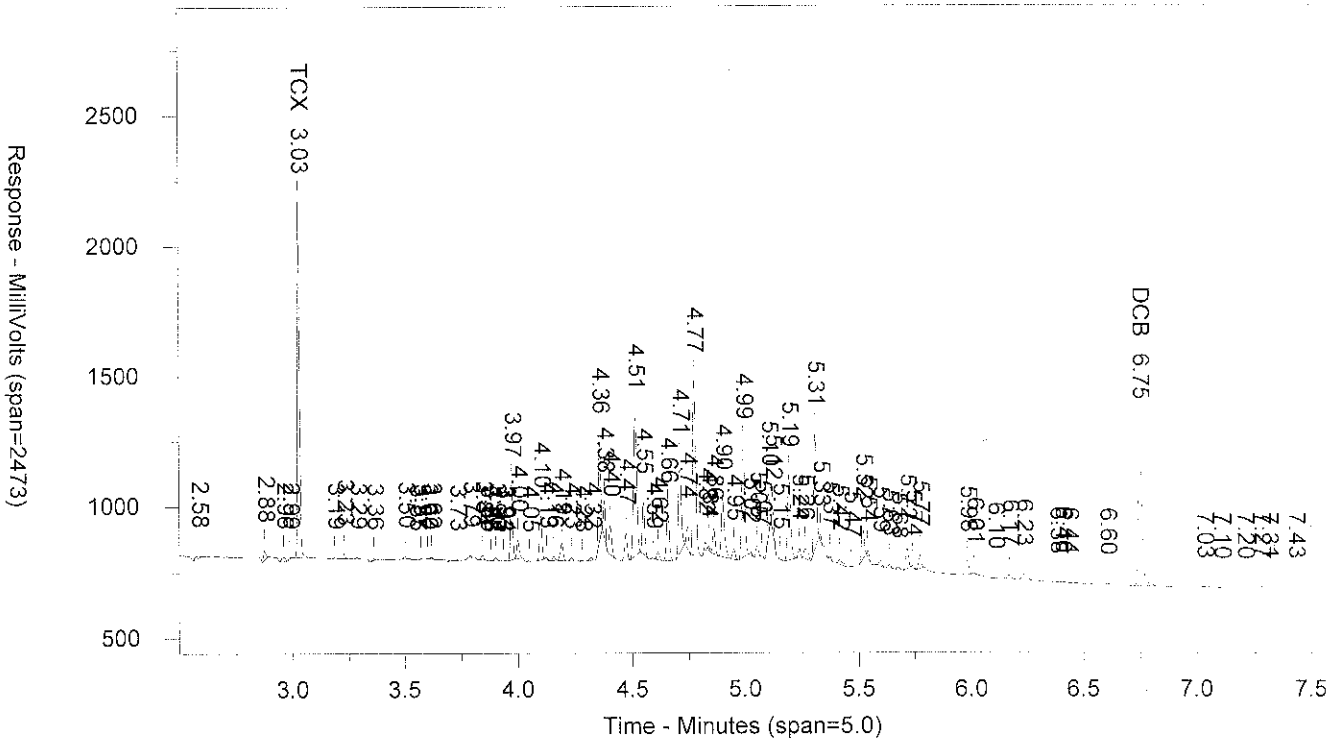

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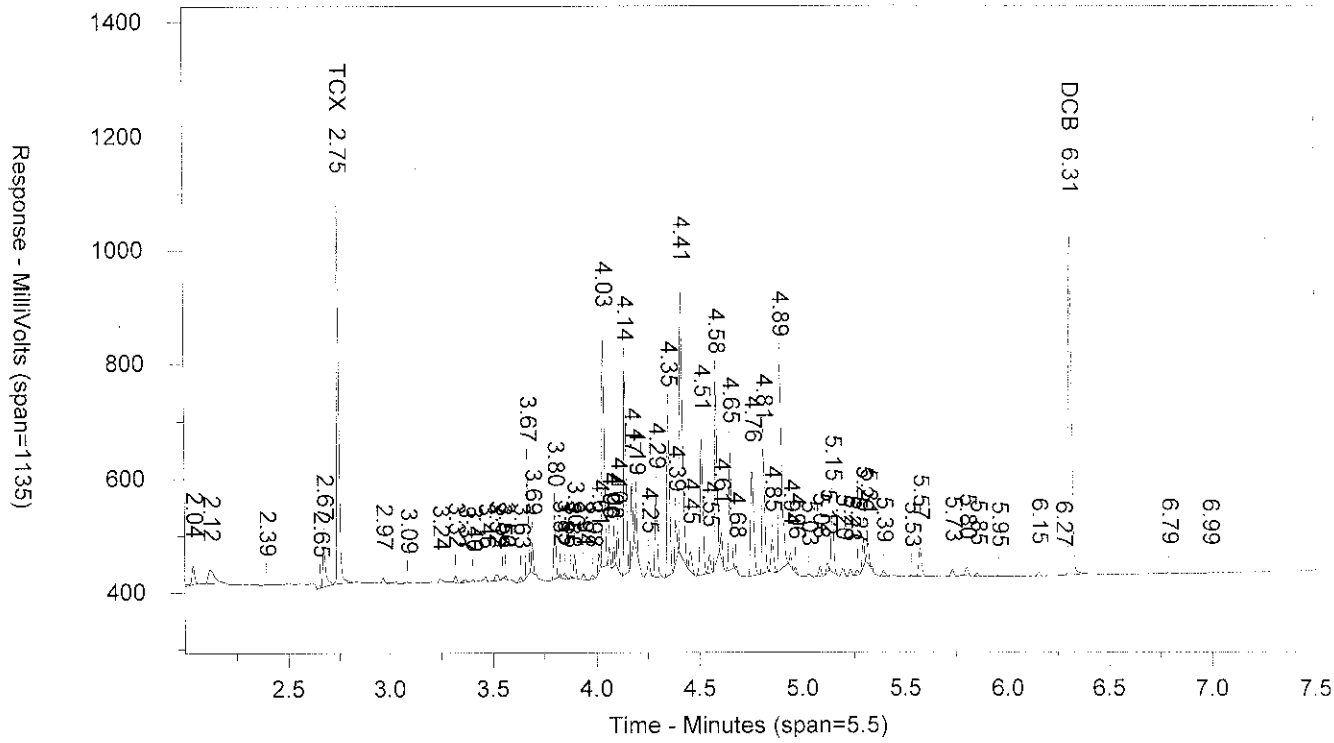

AR5411724C AAAR541AA ICAL 1729899999 06030 EPA 608

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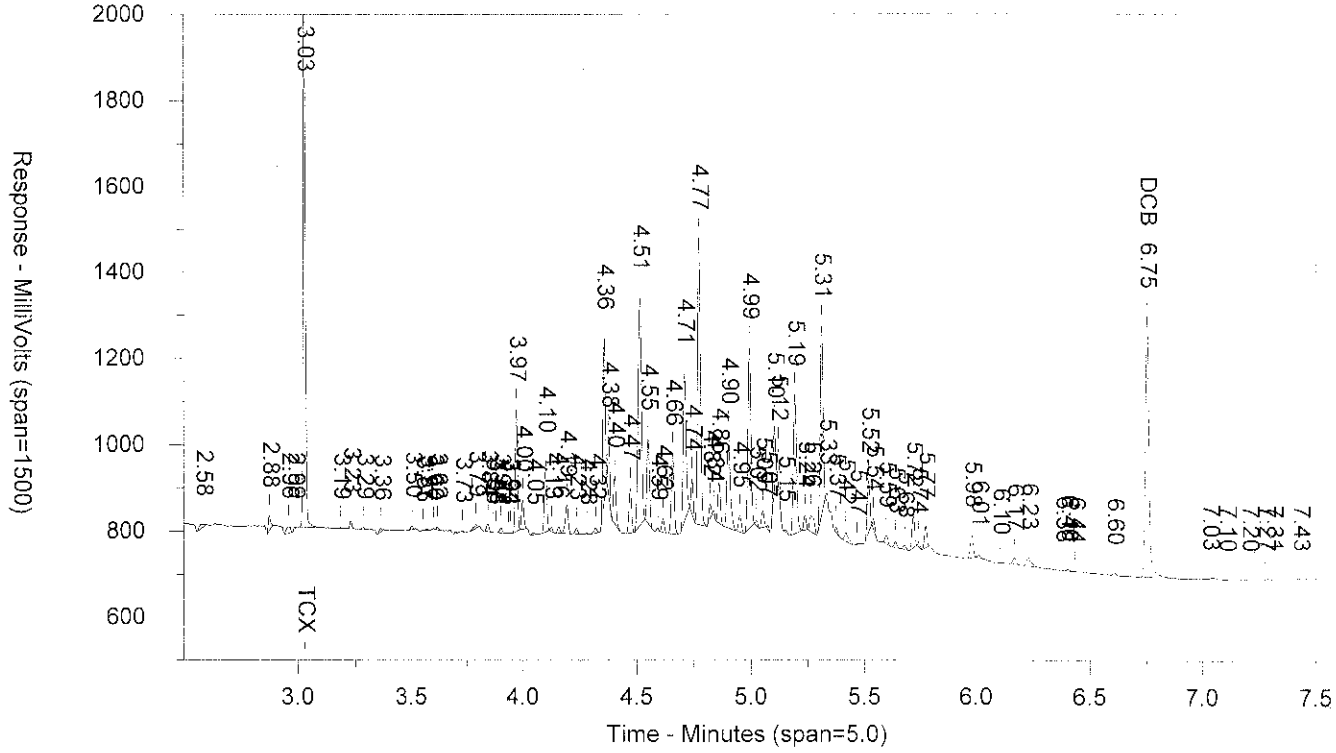

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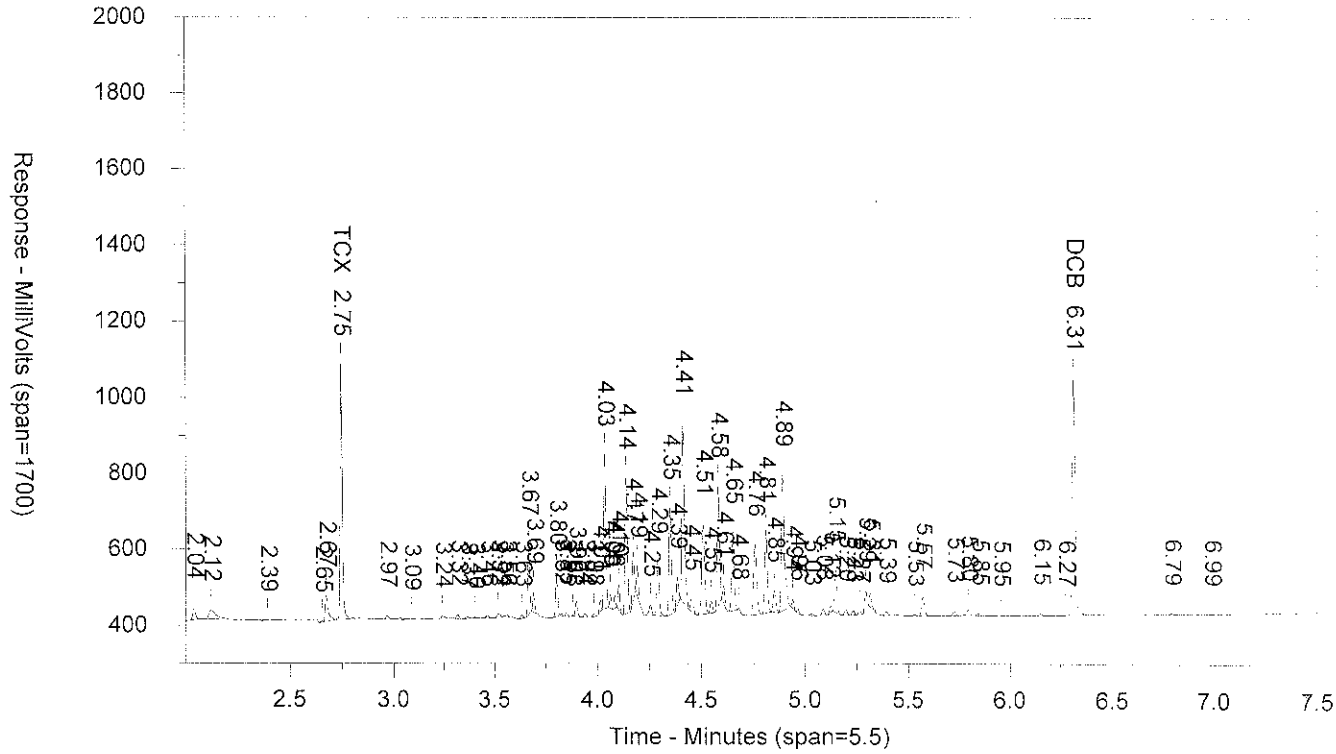

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:43:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0020.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.669		12332	85006
1.81		3212	2246
2.13		32822	83377
2.18		78660	166996
2.235		5720	4597
2.315		11345	8451
2.409		63095	40678
2.463		5103	4726
2.583		11736	21978
2.637		7754	6554
2.874		47591	35115
2.957		14388	15548
2.999		4779	12685
3.027	TCX	2713873	1717089
3.178		2544	1417
3.229		34460	22019
3.285		9142	5988
3.361		14797	15478
3.501		17751	10756
3.518		6137	3608
3.572		4505	2754
3.616		14415	10014
3.674		9014	5919
3.697		5180	3048
3.73		3290	2258
3.79		12669	7151
3.804		10986	8379
3.841		31149	23256
3.875		1088	206
3.882		1235	267
3.902		17811	14146
3.937		957	244
3.942		1660	516
3.971		508517	379106
3.999		142107	124721
4.046		2676	1975
4.062		1513	371
4.099		316143	233085
4.124		16604	10690
4.156		27839	20419
4.192		130052	110526
4.234		23528	19239
4.267		1918	824
4.28		3306	1909
4.32		23895	20728
4.356		735592	528532
4.376		275628	157670
4.401		212437	167579
4.471		200881	165440
4.514		1062138	1080955
4.55		374038	306237
4.591		14543	9471
4.615		62052	48753

RT A	Compound A	Height A	Area A
4.658		352392	310317
4.71		688682	592169
4.742		164091	109254
4.774		1330928	1162071
4.821		71668	48003
4.837		28099	12607
4.859		188137	141955
4.9		406452	414976
4.949		74262	64833
4.991		814156	768383
5.021		15891	10034
5.05		81539	63482
5.073		16725	9695
5.102		271354	203699
5.119		163388	98011
5.151		8520	6416
5.192		641665	606114
5.236		71801	53024
5.262		69521	97294
5.309		848014	739339
5.33		46104	25004
5.347		29539	17229
5.372		24124	16588
5.415		34828	43358
5.465		3522	3528
5.516		237604	188873
5.535		33509	19633
5.593		34868	31102
5.633		29192	24845
5.673		10963	9578
5.714		145428	129601
5.739		20158	13100
5.772		101715	86893
5.795		6643	4954
5.979		100132	91215
6.008		12646	10121
6.106		2075	2215
6.166		16743	15949
6.229		18860	16960
6.402		5895	5539
6.602		10903	10410
6.667		1442	366
6.747	DCB	1122001	1226970
7.001		1316	390
7.026		1331	340
7.048		2861	3458
7.09		1164	351
7.241		1460	417
7.301		1228	317
7.394		1322	584
7.56		1508	614
7.584		1539	308
7.629		1567	1294
7.68		666	1095
7.889		1158	306
7.908		1749	613
8.027		1249	379
8.231		1485	482
8.32		1243	400
8.38		1590	667
8.411		1273	1333
8.49		1479	1363
8.638		1114	621

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:43:34 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0020.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.607		2630	8535
1.907		3204	9225
2.009		4752	12786
2.039		37800	34900
2.122		37300	95474
2.396		2192	5460
2.655		5717	3037
2.673		95939	102510
2.746	TCX	1311311	947153
2.966		18255	13851
3.031		5483	3053
3.084		4556	7991
3.242		12658	14890
3.318		11759	10051
3.366		11113	12290
3.402		6337	4062
3.448		2226	925
3.463		4308	2611
3.514		17777	18479
3.545		4207	2231
3.56		11715	13814
3.635		13871	12762
3.667		341243	234566
3.692		97418	59849
3.801		205879	151802
3.825		11919	6541
3.848		20561	15286
3.878		6460	3426
3.896		78967	55845
3.94		17846	15247
3.981		14541	12732
4.012		59937	36236
4.034		754921	566946
4.061		66152	38564
4.082		63099	36484
4.101		127777	82366
4.138		666029	538097
4.172		248125	168395
4.192		160301	98087
4.254		54082	45664
4.29		261813	224453
4.35		532754	442904
4.385		133038	102287
4.413		918769	773801
4.454		62730	61366
4.51		445639	431053
4.548		62525	53224
4.581		600113	479719
4.606		81500	56098
4.651		384237	331181
4.678		13823	8852
4.757		352162	362481
4.81		414320	370804
4.852		105676	98326

4.892		681293	744251
4.941		47403	32781
4.964		18887	13294
5.028		8339	10714
5.085		35215	32687
5.121		33483	23303
5.145		202459	182112
5.196		28676	25348
5.232		22732	18856
5.262		13362	11843
5.292		92793	68147
5.314		66951	54814
5.391		13451	13518
5.53		3402	3230
5.572		91160	100419
5.731		16857	16372
5.775		2980	2419
5.799		17602	14851
5.848		7571	7100
5.951		5543	4892
6.153		12621	11836
6.312	DCB	1134904	1120748
6.789		2121	1463
8.616		4492	7198

AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608

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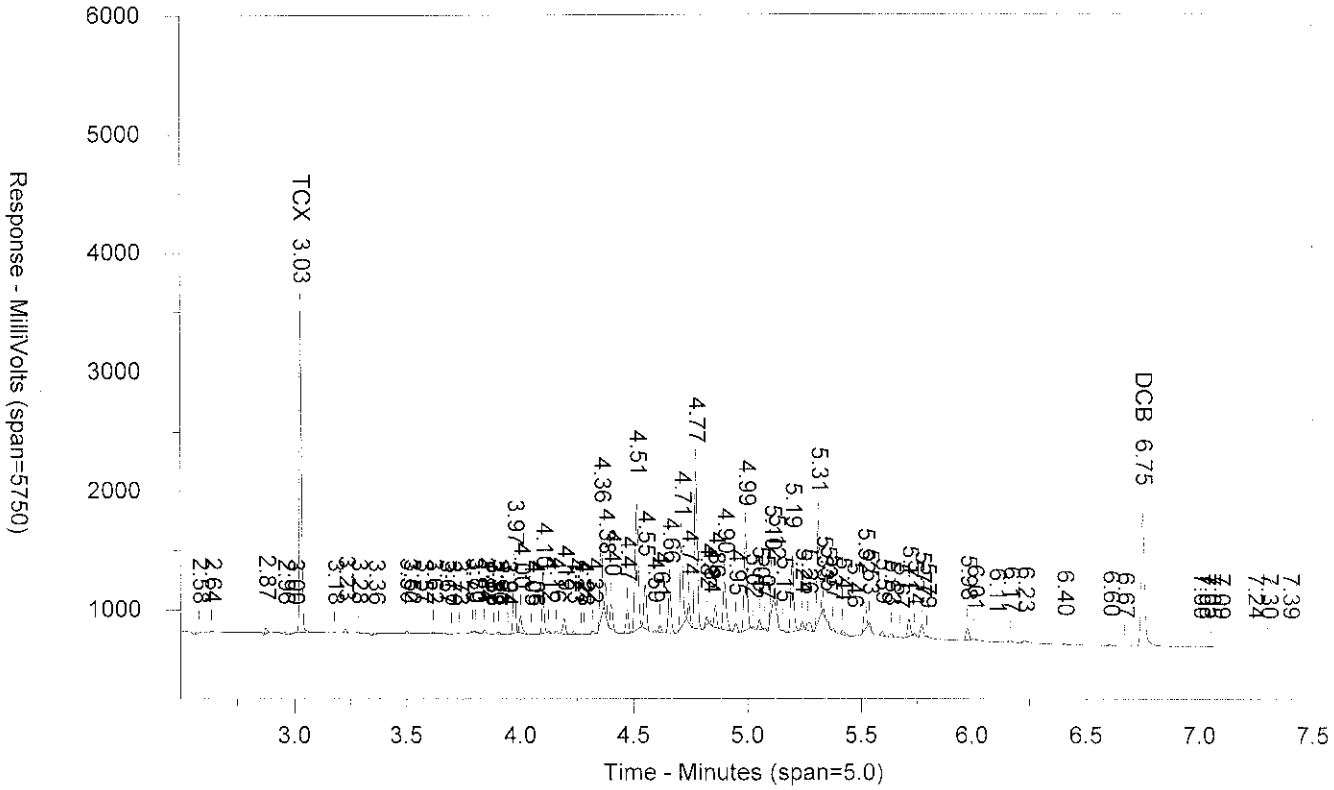

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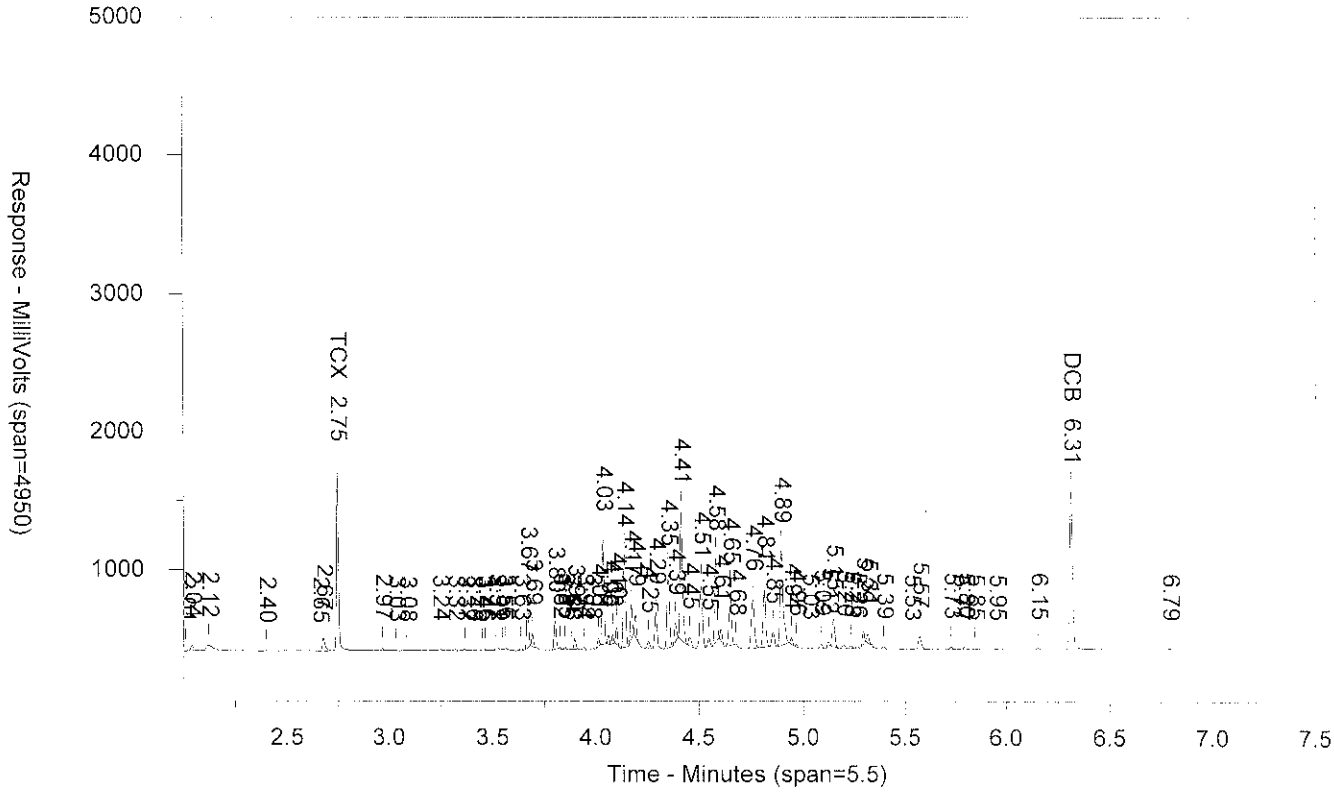

LANCASTER LABORATORIES

Sample Number: AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:43:34 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	2713873	3.876	TCX	2.746	1311311	3.831	TCX
6.747	1122001	3.876	DCB	6.312	1134904	4.12	DCB

Files:
Area File: 07pcbs17299001.0020.RAW
Area File: 07pcbs17299001B.0020.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 1:52:19 AM
File Reported On: 10/29/2017 at 1:40:03 PM

AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608

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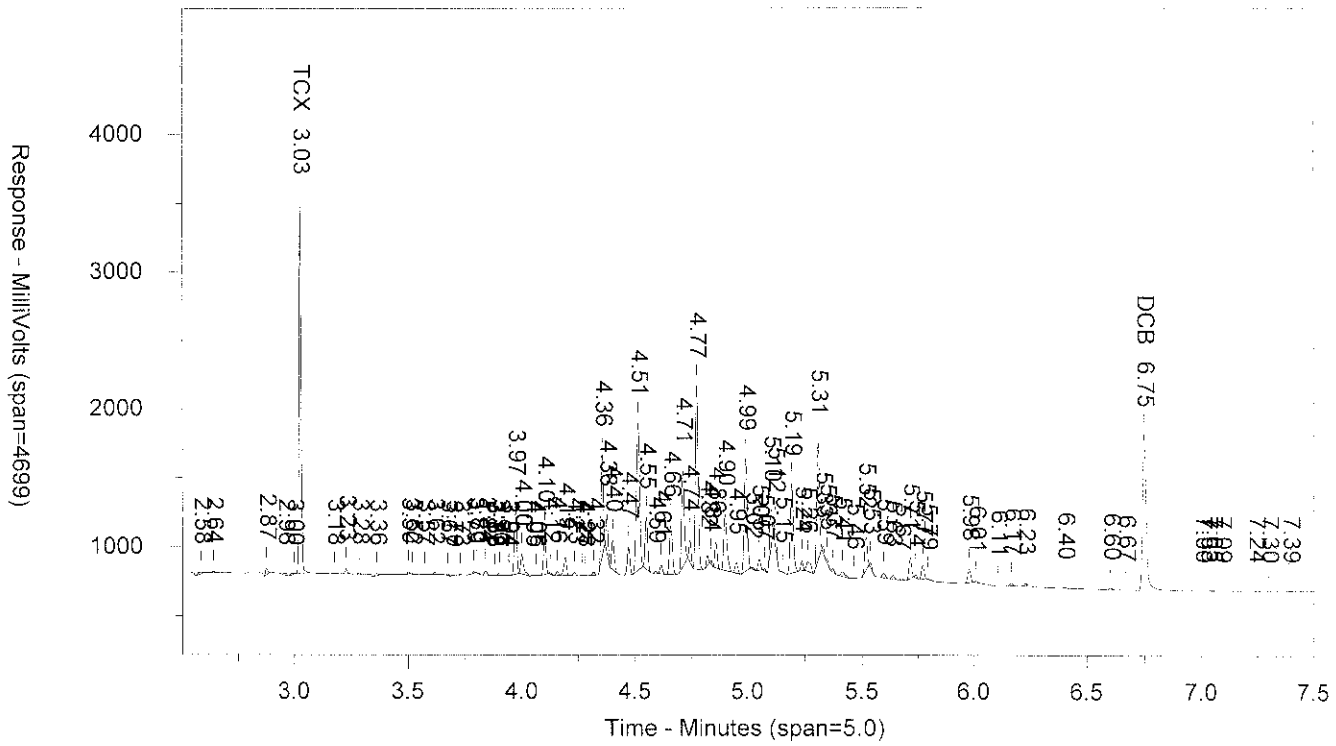

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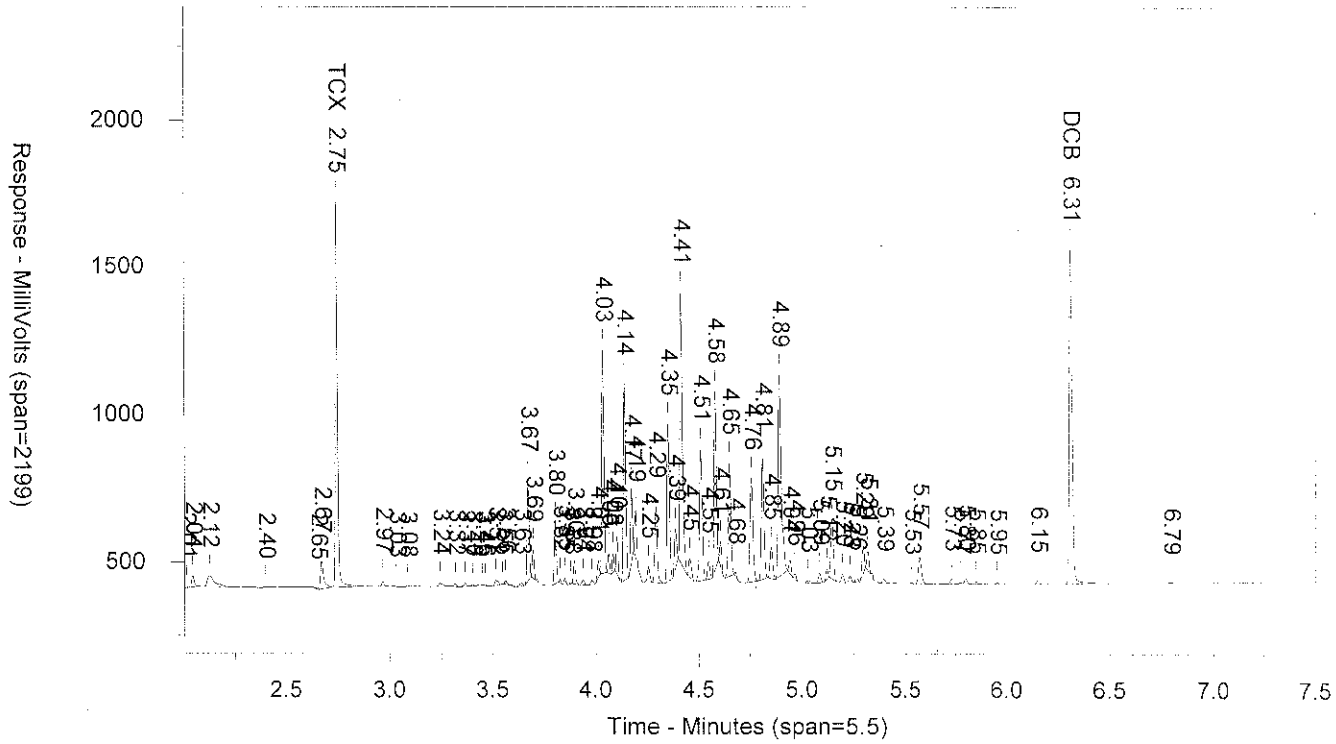

AR5421724C AAAR542AA ICAL 1729899999 06030 EPA 608

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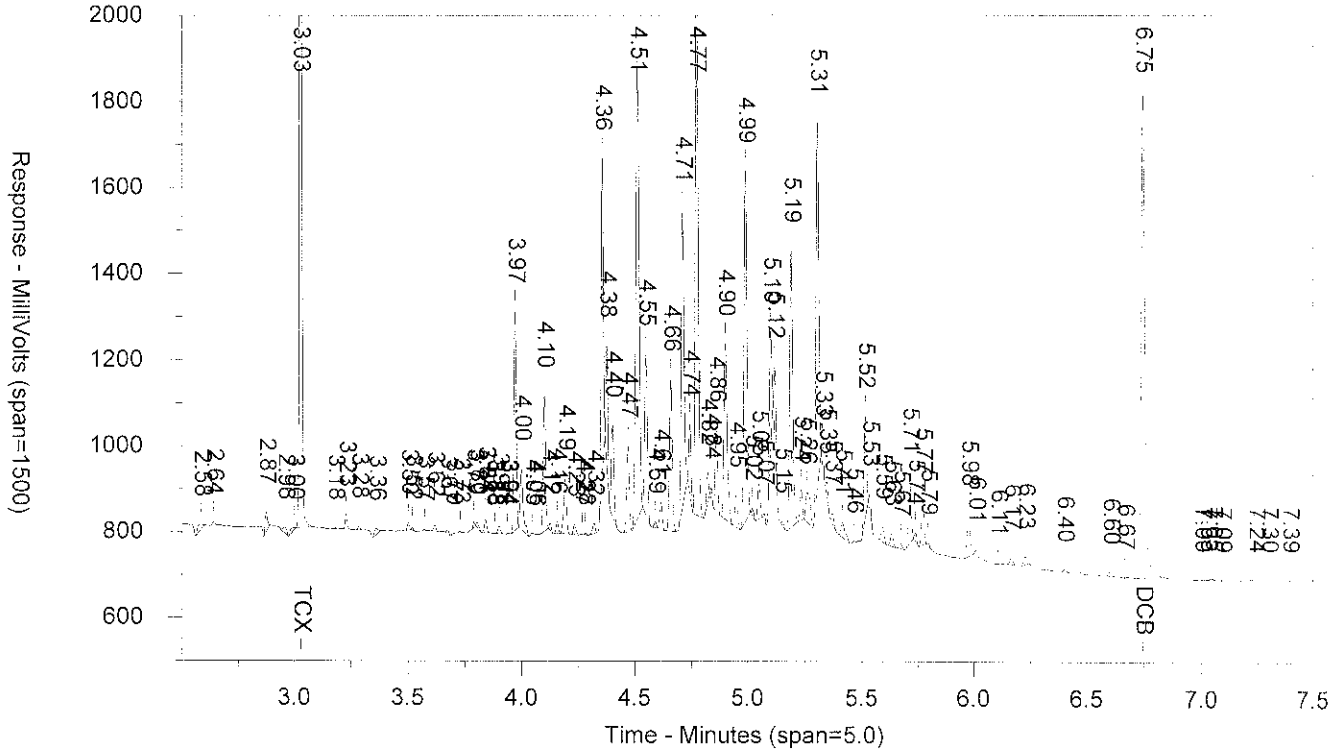

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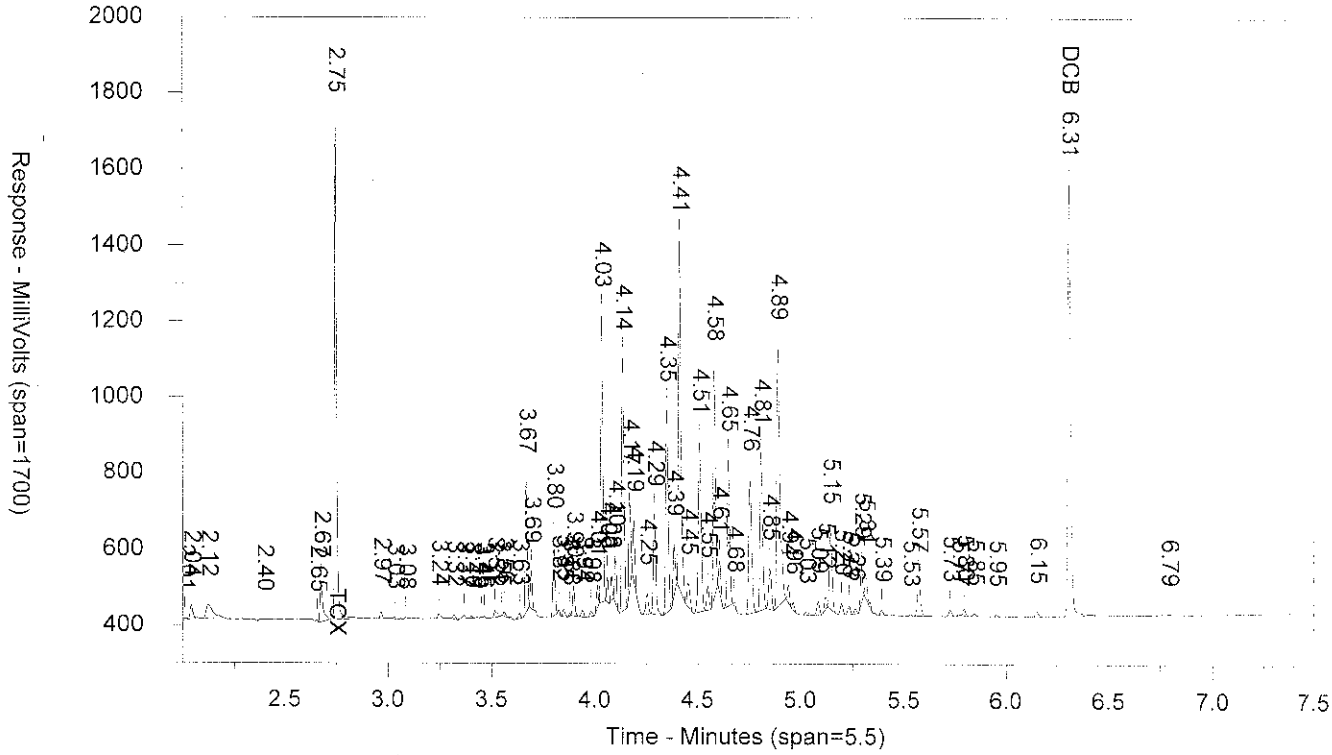

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:55:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0021.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.67		7182	61537
1.874		1310	1107
2.133		29354	86980
2.179		105376	241085
2.315		27357	23860
2.41		42168	25147
2.466		4698	4213
2.586		8224	17645
2.642		3388	1939
2.875		64224	57202
2.959		14380	16935
2.997		4514	9386
3.028	TCX	5625542	3608089
3.18		4697	3490
3.229		70491	48506
3.285		17838	12009
3.361		15700	11813
3.502		32529	20309
3.519		11501	6287
3.572		7682	4250
3.601		2339	1215
3.617		28390	19638
3.674		14223	8341
3.694		10587	6921
3.73		6309	3463
3.79		26579	13601
3.803		17742	14798
3.841		59424	47878
3.876		1184	576
3.901		36569	28261
3.923		1275	293
3.945		4417	3128
3.971		979000	719957
3.999		247800	189321
4.021		15589	6505
4.045		5046	4835
4.1		579205	441861
4.125		34861	21785
4.156		56637	39363
4.192		243727	214663
4.234		46852	36970
4.264		3468	1913
4.278		3820	2666
4.319		42064	34295
4.356		1415668	1014192
4.376		523518	312845
4.402		399531	321089
4.47		380621	315454
4.514		2042074	2090287
4.55		732007	585451
4.591		24968	16160
4.615		122006	94018
4.658		679556	597988

RT A	Compound A	Height A	Area A
4.711		1326692	1142743
4.743		288095	199024
4.774		2635609	2287889
4.821		119040	84726
4.836		48016	25100
4.86		342168	269353
4.9		797554	802284
4.949		149502	128669
4.991		1629220	1501719
5.02		32079	22571
5.05		156133	128468
5.073		29136	17039
5.102		584435	418722
5.119		293289	198729
5.153		22698	15378
5.192		1246238	1199263
5.237		144106	106378
5.263		56990	41512
5.309		1697796	1472167
5.33		81413	44857
5.349		65581	35574
5.372		46245	32038
5.415		63603	71680
5.467		2328	1463
5.489		2322	978
5.517		450343	366201
5.537		79556	48356
5.567		3549	1702
5.593		64245	55092
5.633		52536	47874
5.672		20859	18533
5.715		297103	252538
5.739		35349	25348
5.772		197969	176422
5.794		9658	5398
5.979		190283	174780
6.008		24248	21689
6.166		36067	36378
6.229		34064	33067
6.372		1705	502
6.403		10300	9904
6.602		21355	20559
6.68		1737	529
6.748	DCB	2294956	2473946
6.91		2060	957
7.122		2023	1014
7.139		1826	836
7.248		1124	328
7.299		1479	323
7.324		1232	537
7.381		1571	403
7.577		1252	381
7.639		1606	516
7.716		1034	294
7.769		1265	481
7.858		1214	357
7.959		1491	397
8.149		1044	616
8.18		2364	599
8.291		1392	935
8.546		1472	700

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:55:00 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0021.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.65		632	10164
1.907		3000	5612
2.04		32848	50331
2.122		45272	84084
2.278		2010	2206
2.387		3186	5451
2.654		5893	3519
2.673		126509	134645
2.746	TCX	2707300	1926987
2.967		36337	25500
3.032		9817	6397
3.084		6798	5225
3.242		23772	24977
3.317		13489	11037
3.366		20271	17275
3.402		11463	7545
3.43		7496	3857
3.448		2823	1501
3.464		4549	2458
3.515		31041	33276
3.544		8802	3800
3.56		23353	17908
3.634		25777	19792
3.667		629512	433799
3.692		175001	109657
3.801		386853	283836
3.825		22426	12267
3.847		38218	28559
3.879		14328	7136
3.896		137220	99996
3.94		34790	28544
3.981		28878	26748
4.012		113682	68035
4.034		1425587	1067258
4.061		118481	70388
4.082		119038	67799
4.101		224736	151754
4.138		1259060	1003457
4.172		451218	313907
4.192		284644	178063
4.254		98059	80938
4.29		492110	418955
4.35		1003697	842726
4.385		249591	190622
4.414		1753242	1480178
4.453		119701	121712
4.51		839690	809792
4.547		119647	100132
4.582		1137409	917443
4.606		158596	103670
4.651		696417	619151
4.678		29755	17565
4.757		674194	691385
4.811		815607	723542

4.852		208409	184632
4.892		1289986	1420355
4.941		90670	62172
4.965		38188	26250
5.028		15631	18506
5.085		65441	64606
5.122		60263	43273
5.146		400253	344358
5.196		54172	47555
5.231		42017	35231
5.263		23823	21807
5.293		185345	135524
5.314		124480	103672
5.39		25511	27386
5.53		7130	6156
5.572		175644	192689
5.732		30963	29325
5.774		5878	4286
5.799		33300	28742
5.848		14123	13531
5.953		9712	8980
6.153		22834	23341
6.313	DCB	2238654	2155051
6.761		2062	1660
6.79		2498	2577

AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608

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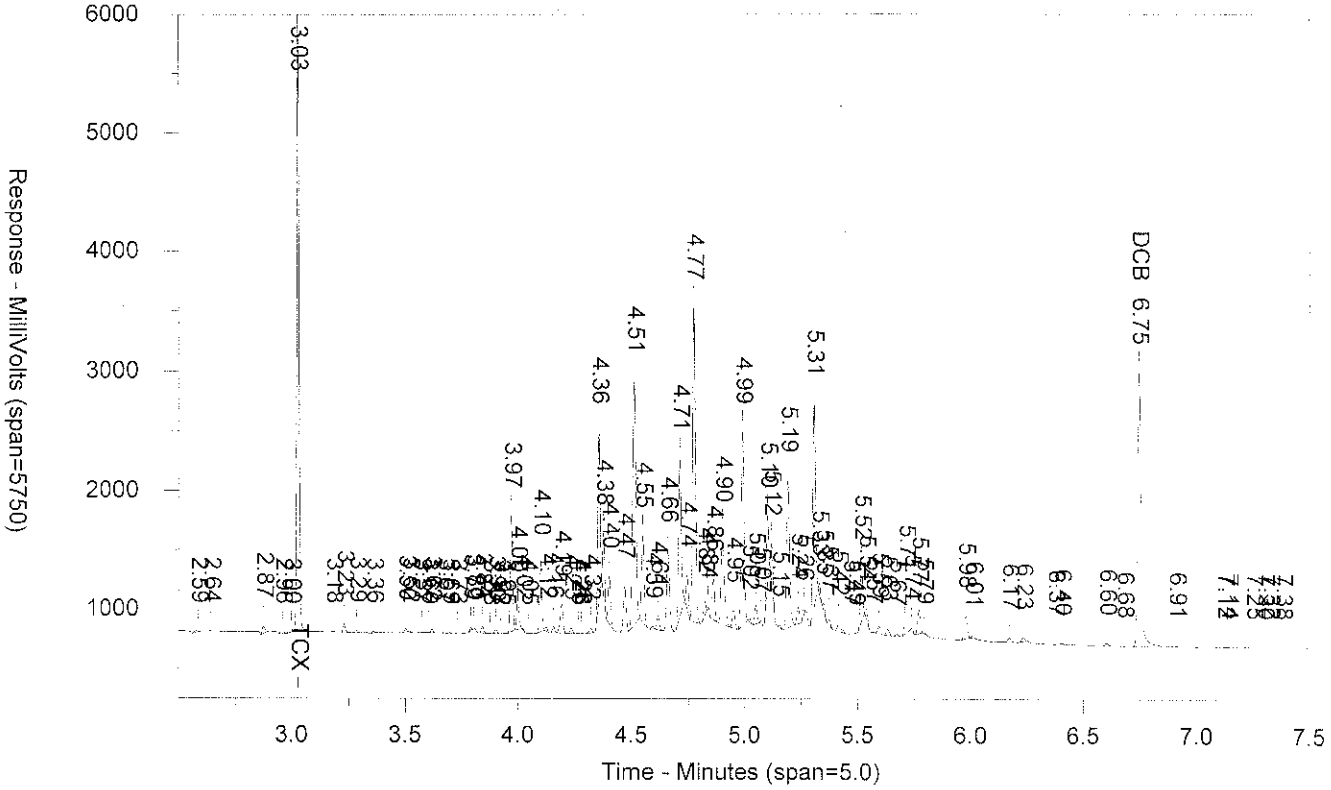

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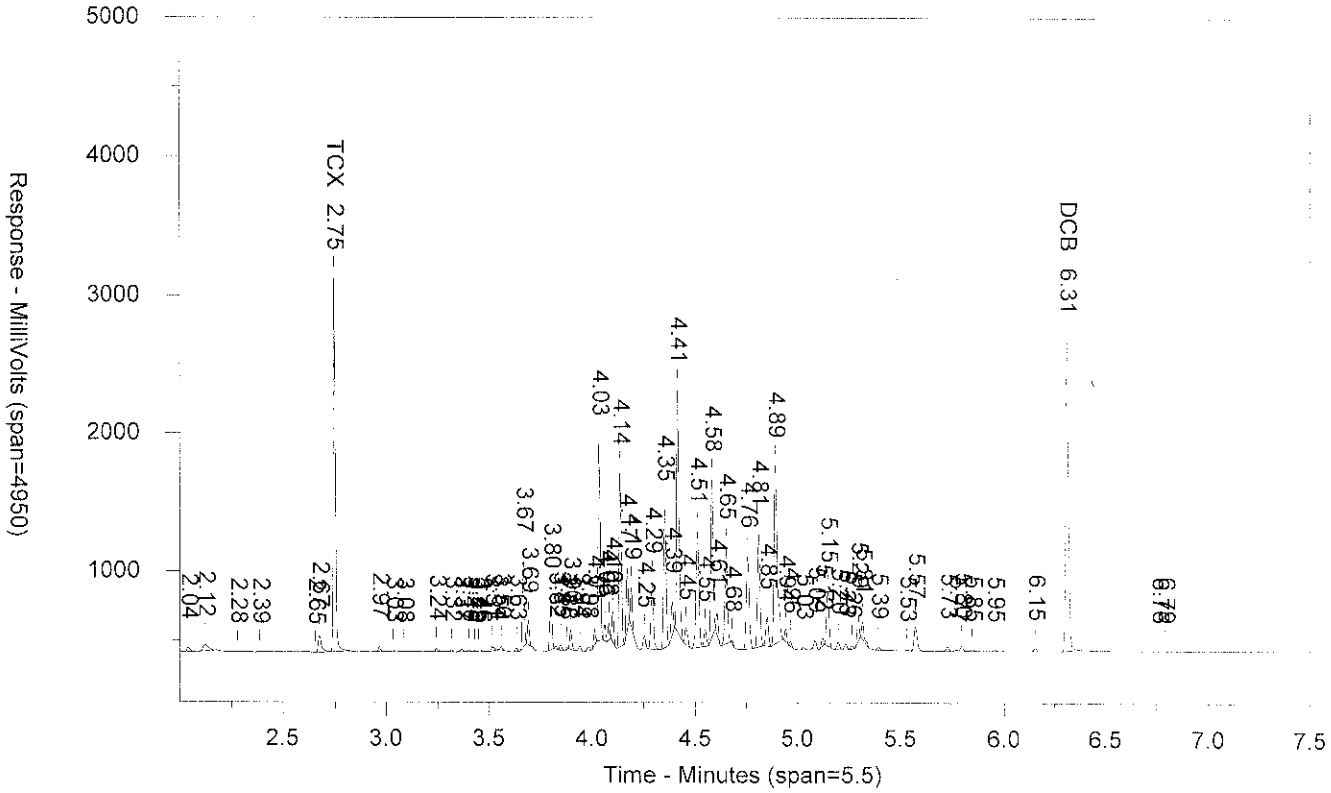

LANCASTER LABORATORIES

Sample Number: AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 1:55:00 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	5625542	8.035	TCX	2.746	2707300	7.909	TCX
6.748	2294956	7.928	DCB	6.313	2238654	8.127	DCB

Files:
Area File: 07pcbs17299001.0021.RAW
Area File: 07pcbs17299001B.0021.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 2:03:44 AM
File Reported On: 10/29/2017 at 1:40:13 PM

AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608

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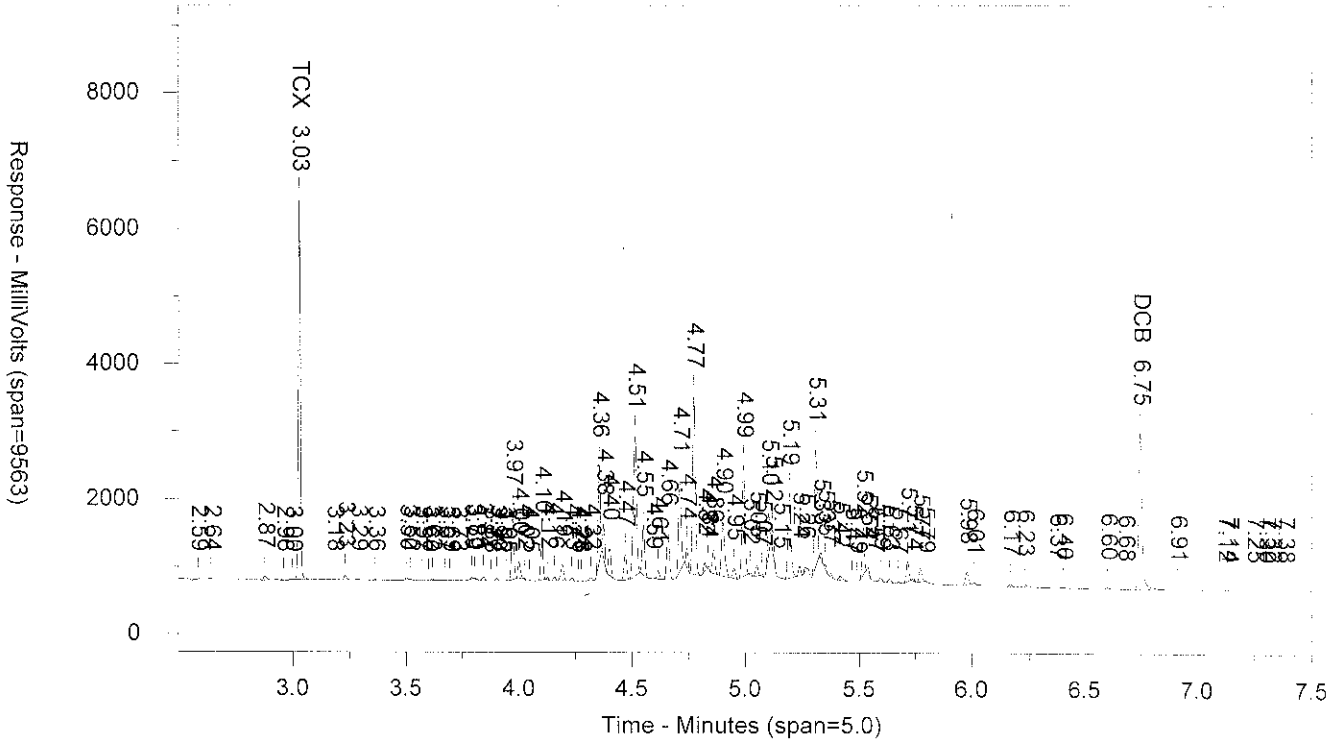

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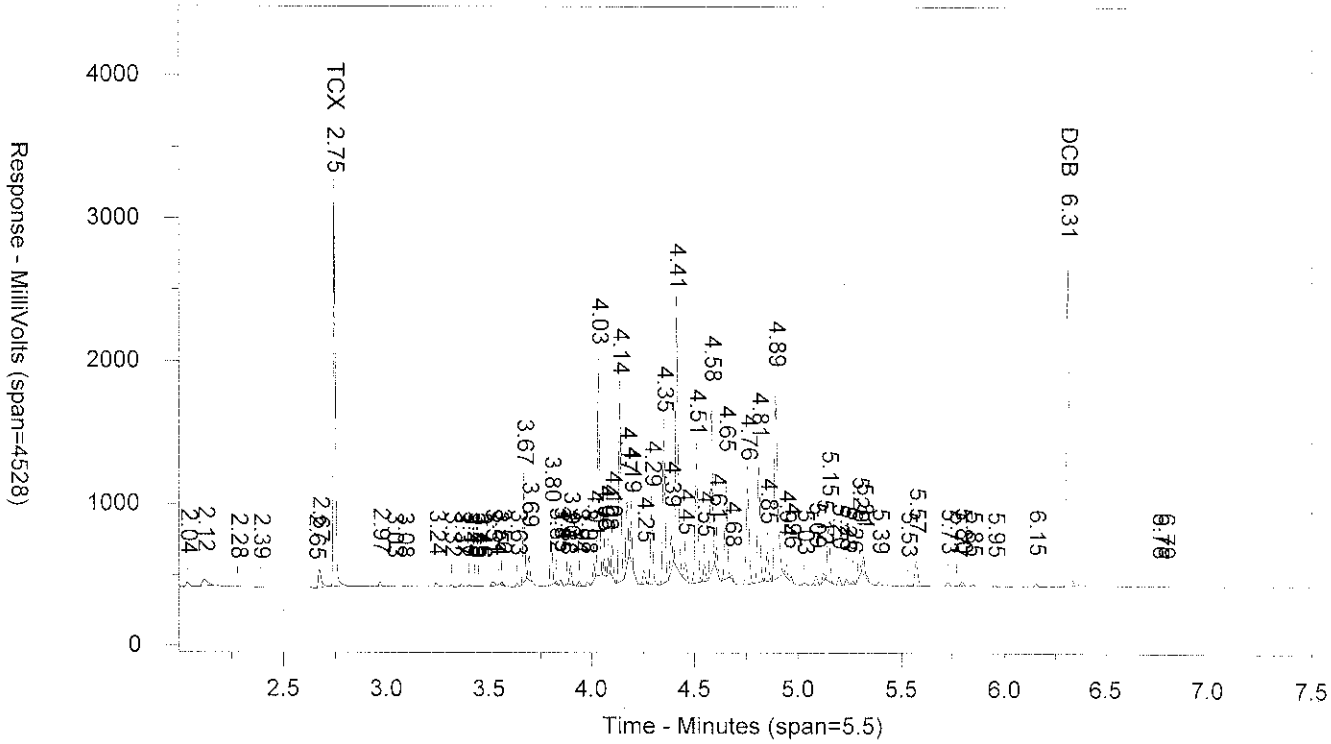

AR5431724C AAAR543AA ICAL 1729899999 06030 EPA 608

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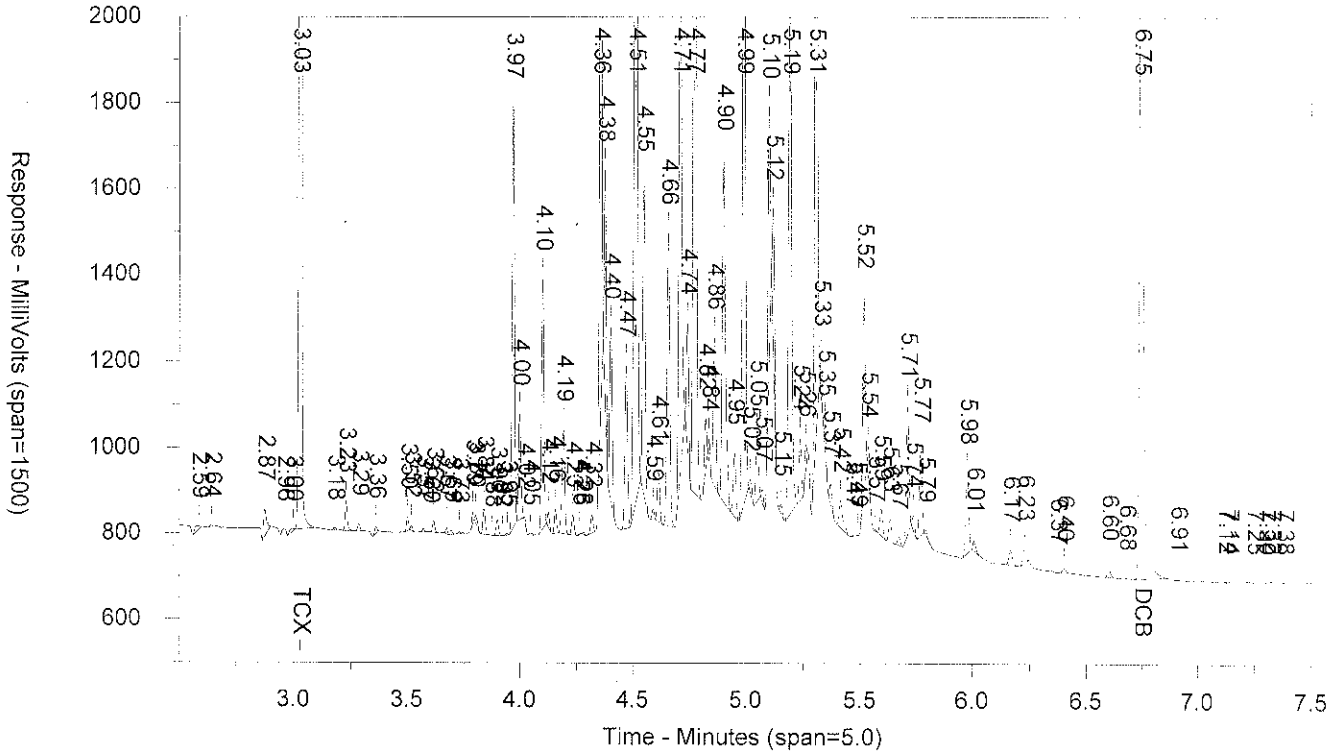

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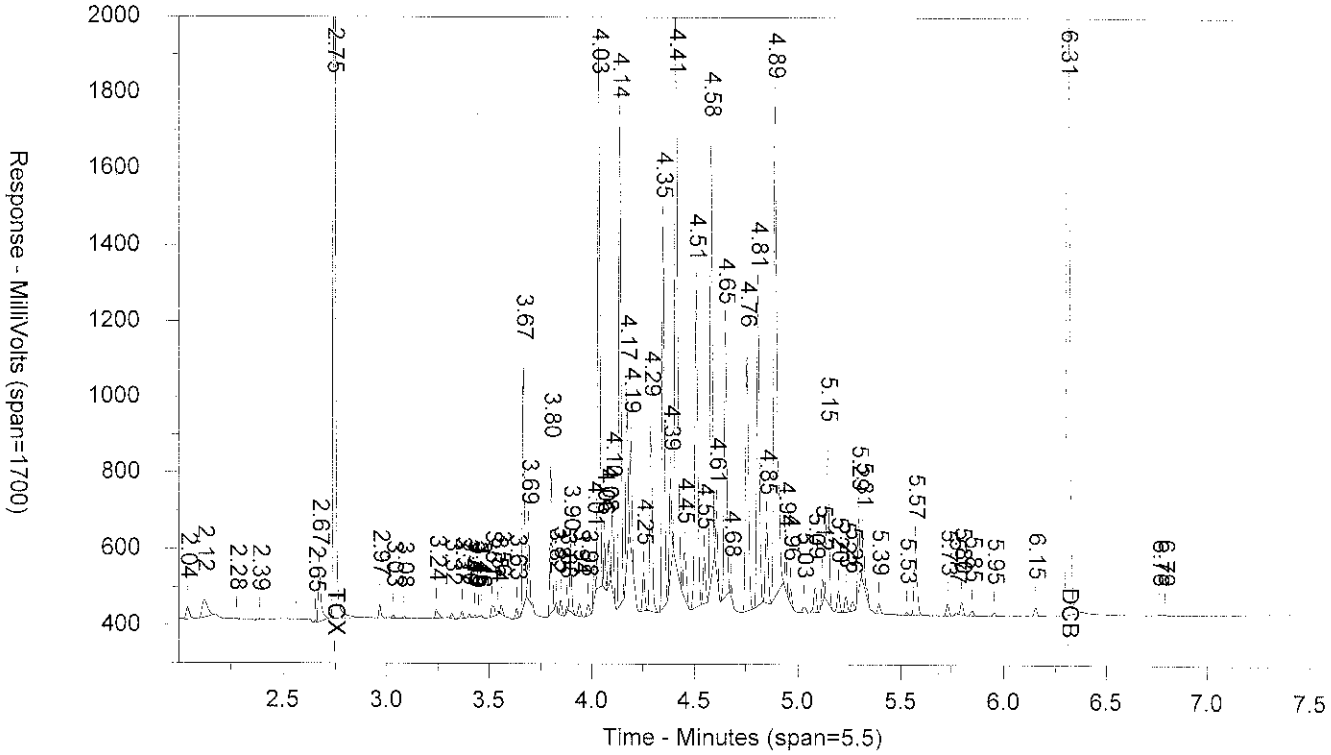

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:06:26 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: 07pcbs17299001.0022.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.652		13503	46351
1.828		2302	1229
2.055		1940	2355
2.116		41689	71317
2.181		61532	154783
2.244		7486	9104
2.315		56027	37792
2.41		46933	31395
2.426		22292	14008
2.464		3872	2753
2.584		10047	23474
2.639		5233	3908
2.875		37443	34544
2.958		26493	28910
3.028	TCX	14109510	8945917
3.179		12574	11824
3.229		166213	112487
3.285		43570	28008
3.361		42004	32064
3.378		4062	2032
3.501		74642	44587
3.519		25506	13625
3.555		3675	1847
3.572		17637	11799
3.617		66394	46257
3.675		40029	28321
3.695		23944	14876
3.729		14705	8849
3.745		7269	3793
3.791		61559	33926
3.804		42281	36815
3.842		137513	105865
3.882		1072	243
3.901		84334	63906
3.944		10808	6667
3.971		2372121	1718165
3.999		608263	548950
4.049		16223	19613
4.1		1395666	1063800
4.125		82018	50238
4.157		130836	94122
4.192		578491	508110
4.234		111139	86779
4.265		8446	4506
4.28		10543	5683
4.319		104200	80267
4.356		3568418	2520252
4.377		1188031	711718
4.402		1012267	783726
4.471		915168	756938
4.515		5090501	5180212
4.55		1817741	1445873
4.591		63896	42515

RT A	Compound A	Height A	Area A
4.615		285809	228026
4.658		1657193	1460150
4.711		3351876	2872524
4.743		781019	525714
4.774		6658762	5748554
4.822		298635	200084
4.837		125102	59493
4.86		875523	662713
4.9		1966841	1970099
4.95		371319	318809
4.992		4173738	3827150
5.022		75659	49947
5.049		375733	299176
5.073		86878	53661
5.103		1211598	897035
5.12		778169	467363
5.153		45720	33146
5.193		3321282	3076655
5.238		329742	258129
5.263		327797	461771
5.31		4390745	3760640
5.332		266651	128716
5.349		141365	83702
5.373		105548	74114
5.416		168170	200264
5.465		10155	9168
5.491		5371	3022
5.517		1108717	909692
5.537		187390	114977
5.594		152512	130231
5.634		126533	116672
5.674		46798	40616
5.714		708118	622928
5.74		97547	64707
5.773		459623	388997
5.795		23716	15324
5.979		451231	412249
6.009		57056	52623
6.103		10401	14483
6.166		84927	86469
6.229		76979	72986
6.403		27075	36205
6.603		52556	57358
6.654		1505	1301
6.747	DCB	5227558	5796922
6.915		1454	1051
7.223		3466	3381
7.283		1550	1001
7.342		1260	881
7.358		1767	790
7.383		1356	359
7.413		1348	699
7.433		1176	535
7.609		962	982
7.64		1260	564
7.828		1305	1021
7.866		1058	631
7.901		1487	1683
7.934		1077	272
7.96		1351	496
8.163		1803	830
8.18		1784	545
8.379		2123	614
8.513		1254	364

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:06:26 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: 07pcbs17299001B.0022.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.66		5155	33949
1.896		7638	16131
2.002		7716	14643
2.045		41369	58037
2.12		21646	38969
2.175		11003	8861
2.395		4265	12730
2.655		4600	2775
2.673		66470	75211
2.746	TCX	6740314	4778847
2.917		6934	6367
2.966		85424	61730
3.032		19285	11544
3.085		16532	15489
3.147		3433	2784
3.242		54063	58856
3.294		3481	2038
3.316		20891	16043
3.366		45459	44477
3.403		25856	17329
3.43		19156	11390
3.448		6886	3445
3.464		8464	4478
3.515		72123	79137
3.545		18706	8699
3.559		53585	41417
3.634		60271	49091
3.667		1464351	987260
3.691		402775	249053
3.71		30602	14443
3.801		884130	652670
3.826		57816	30451
3.848		86525	66363
3.879		22056	10862
3.896		321851	232550
3.94		81484	67308
3.981		67434	60900
4.012		267089	162198
4.035		3358774	2545413
4.062		294605	168574
4.082		268698	151733
4.101		529173	350704
4.138		2972683	2369423
4.173		987290	684493
4.192		658314	400243
4.255		226706	180666
4.291		1156457	966184
4.351		2486973	2028191
4.386		599971	456429
4.414		4286450	3617460
4.455		249746	261127
4.51		1914562	1885608
4.548		278135	233417
4.582		2836611	2244225

4.607		374244	249693
4.651		1721345	1438626
4.679		73785	46016
4.758		1383001	1494490
4.811		2013257	1797031
4.853		463487	430695
4.893		3275558	3416421
4.941		210783	145690
4.965		77663	57753
5.029		42270	48664
5.086		162382	153461
5.122		139273	98057
5.146		928868	813997
5.197		121767	108841
5.232		97000	81665
5.264		51111	46791
5.294		426998	321877
5.315		288458	185427
5.333		33705	18638
5.391		59564	60371
5.531		16447	13664
5.573		401928	452525
5.732		74822	69673
5.774		15983	11630
5.8		76751	66863
5.849		32530	28848
5.953		20972	17577
5.984		2276	1797
6.153		51871	47455
6.313	DCB	5209318	4969236
6.757		4540	8357
8.613		5175	9324

AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608

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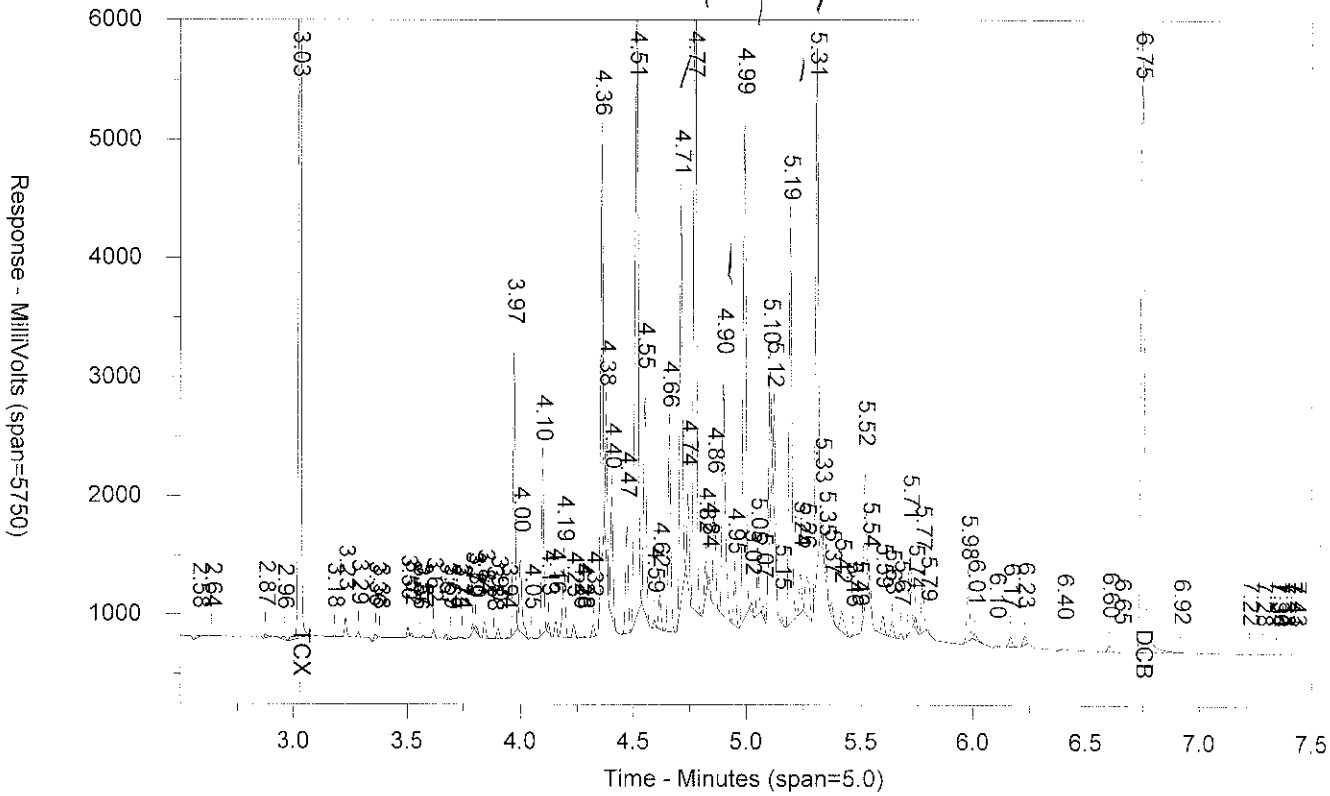

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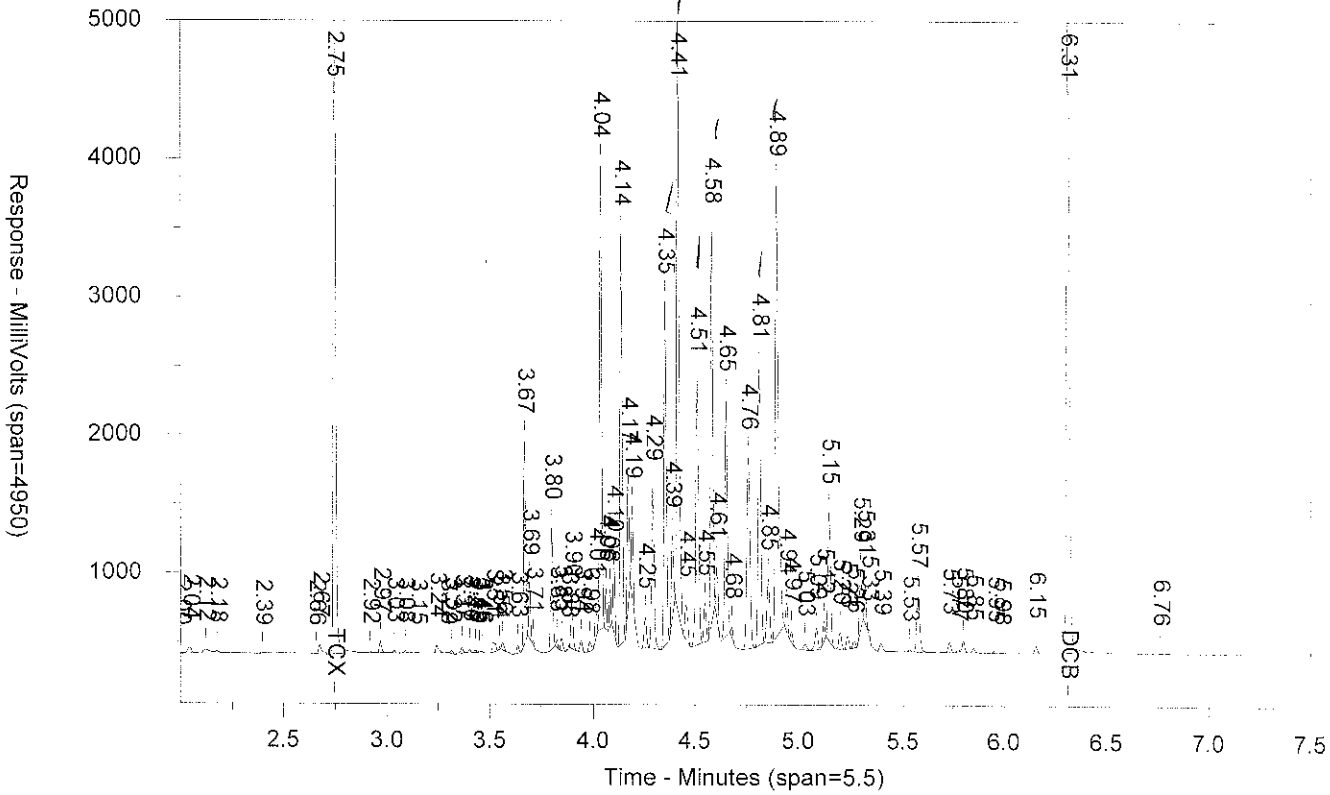

LANCASTER LABORATORIES

Sample Number: AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:06:26 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
3.028	14109510	20.154	TCX	2.746	6740314	19.69	TCX
6.747	5227558	18.059	DCB	6.313	5209318	18.912	DCB

Files:
Area File: 07pcbs17299001.0022.RAW
Area File: 07pcbs17299001B.0022.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 2:15:10 AM
File Reported On: 10/29/2017 at 1:40:23 PM

AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608

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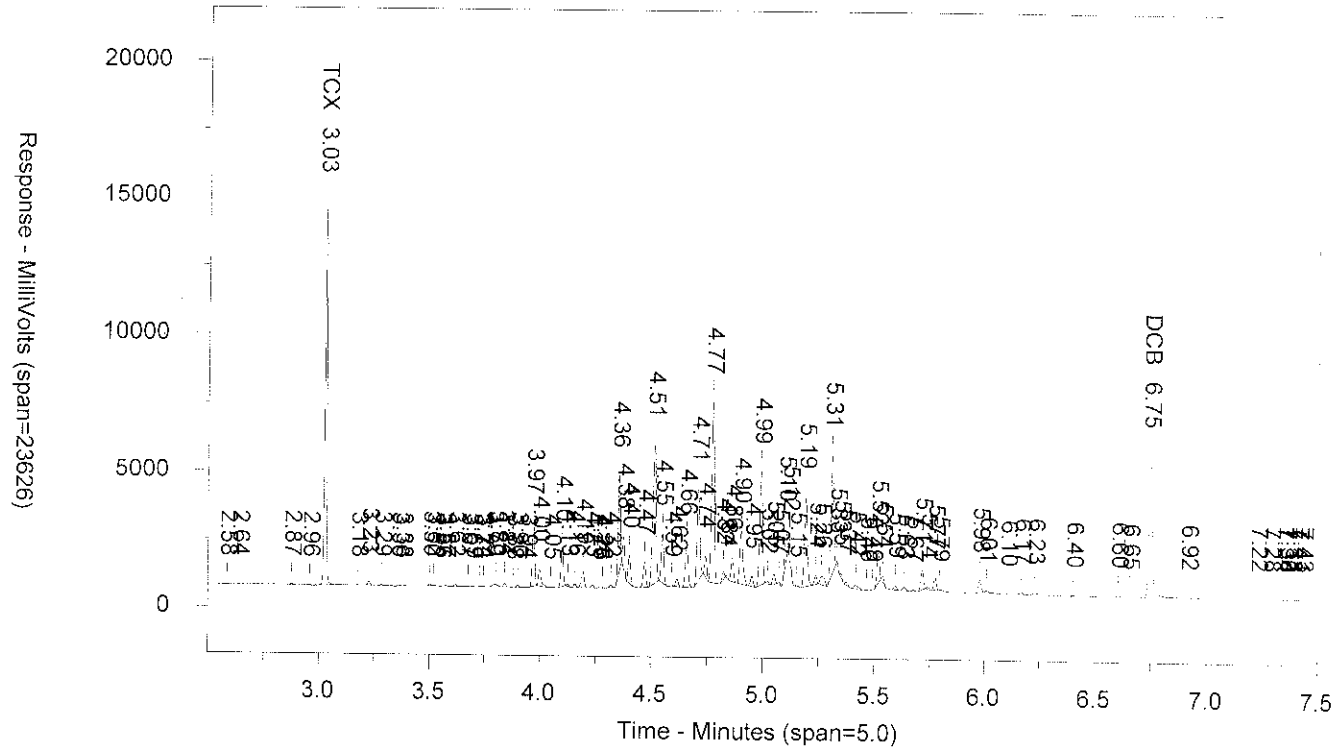

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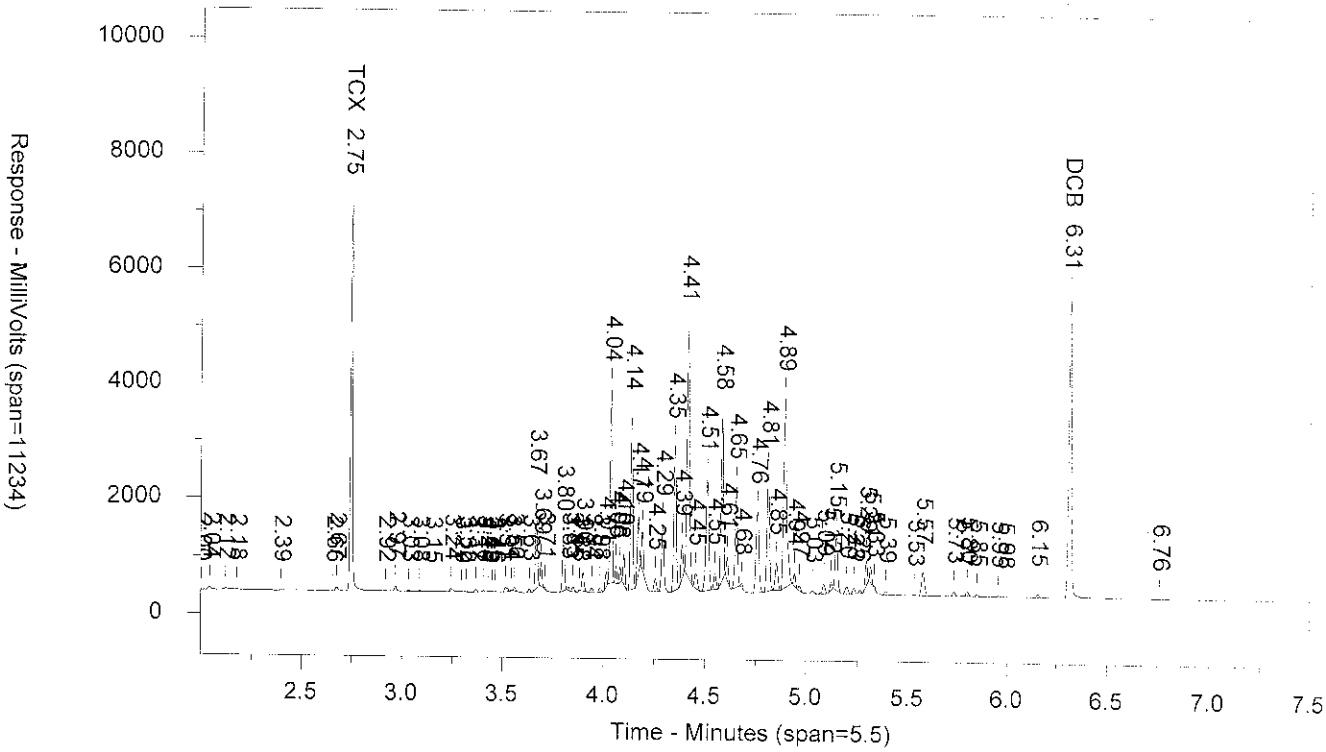

AR5441724C AAAR544AA ICAL 1729899999 06030 EPA 608

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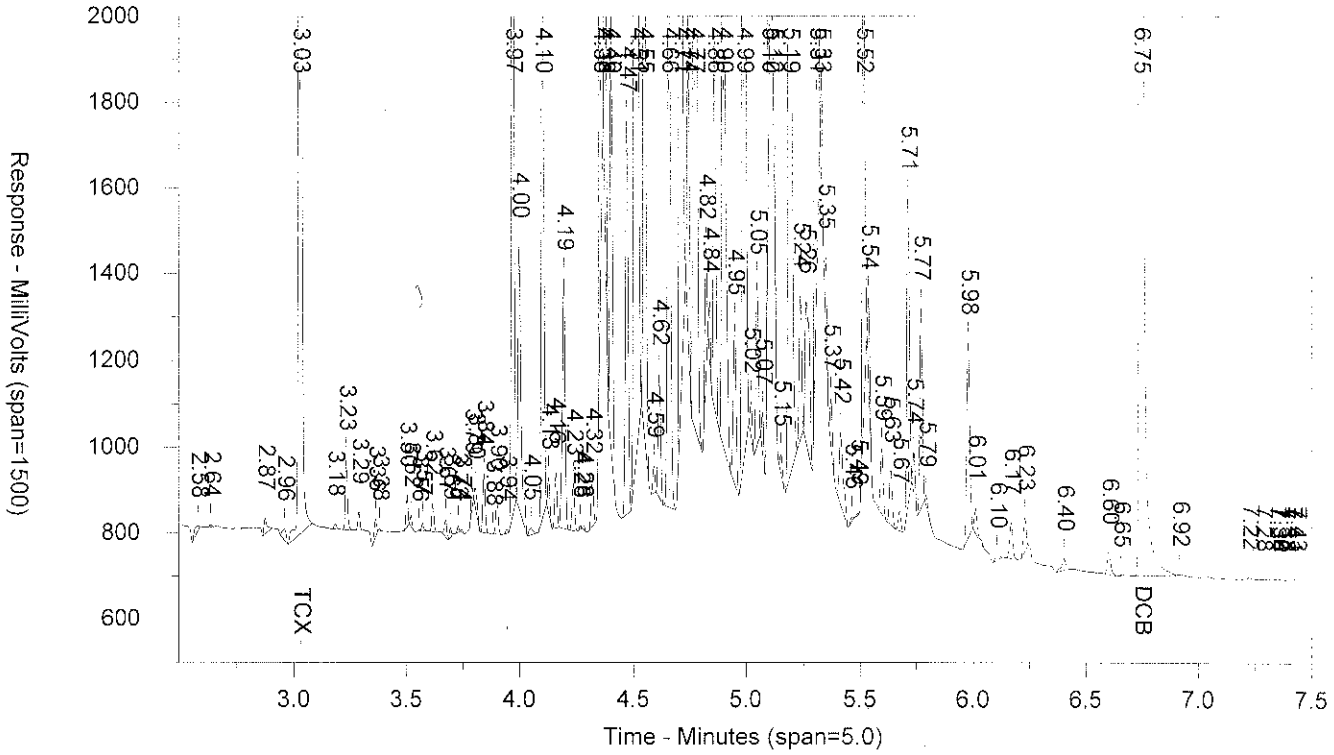

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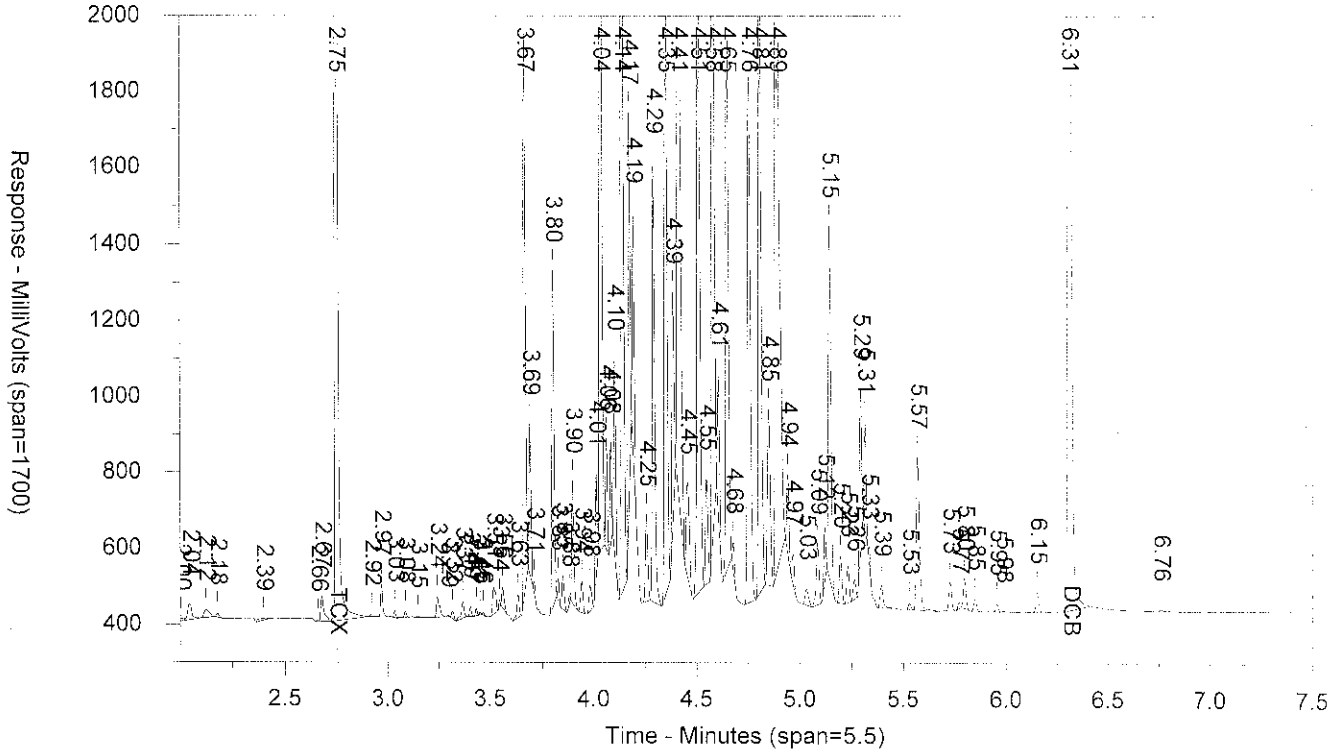

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:17:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0023.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.681		23227	144758
1.891		1713	1420
2.13		36976	88084
2.18		58803	153986
2.246		4997	9288
2.315		113016	80749
2.409		54819	34889
2.426		41981	28792
2.459		2589	1316
2.577		13174	16052
2.639		8286	5832
2.874		25858	18847
3.027	TCX	28692770	18437850
3.179		24915	20041
3.229		319328	218186
3.285		86703	57077
3.361		62079	41684
3.379		7862	4418
3.473		2125	1426
3.501		145186	87286
3.518		50234	26357
3.555		7291	3803
3.572		33594	19422
3.617		137489	93511
3.674		56767	34064
3.693		62355	38085
3.729		29205	17379
3.745		12495	6367
3.791		129174	70712
3.804		81217	71016
3.842		273566	212419
3.879		900	261
3.901		166121	126206
3.944		22194	13735
3.971		4754642	3428005
3.999		1152102	873056
4.022		72873	34979
4.048		6855	3601
4.1		2865341	2122956
4.125		170082	103561
4.157		257867	184000
4.192		1154696	1008540
4.234		219326	174007
4.266		16820	9180
4.281		21809	12569
4.319		202751	157802
4.357		7069984	5053887
4.376		2859546	1653198
4.402		2023180	1596997
4.471		1852081	1529903
4.514		10537870	10585400
4.55		3826423	3003188
4.592		125005	81231

RT A	Compound A	Height A	Area A
4.616		576954	449333
4.658		3551776	2981459
4.711		6887986	6007104
4.743		1674777	1100917
4.774		14440680	12123690
4.822		616712	433443
4.837		252958	124373
4.86		1843003	1402843
4.9		4193013	4128327
4.949		768677	661182
4.991		8710330	8036185
5.022		167445	104082
5.05		784389	625756
5.074		175382	106582
5.103		2896493	2078776
5.12		1725652	1071060
5.153		98764	69341
5.192		6903826	6523803
5.238		710301	557795
5.263		685092	978177
5.309		9327597	7950706
5.332		631238	302287
5.349		346117	193103
5.373		220152	155381
5.416		309726	345493
5.491		10997	7348
5.517		2355723	1933443
5.538		406359	247560
5.568		14734	6888
5.594		299676	259492
5.634		264759	239233
5.674		97432	84109
5.715		1535074	1314498
5.74		208104	136175
5.773		1023142	900475
5.795		37828	21227
5.979		915834	837018
6.009		121756	110396
6.166		154632	160355
6.229		152677	136190
6.247		16448	11339
6.402		45426	46323
6.444		2666	2292
6.603		99452	104416
6.748	DCB	11262620	11476410
7.111		1404	308
7.223		8064	9687
7.436		1453	465
7.48		1191	585
7.945		1234	567
7.957		1761	472
8.107		1592	353
8.18		1415	2466
8.335		1095	317
8.407		2046	1173
8.462		1235	424
8.511		1221	348
8.525		1247	393
8.658		1336	722
8.673		1318	370

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:17:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0023.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.627		5102	18394
1.67		4069	7581
1.8		1217	1194
1.904		10542	44995
2.047		65528	92853
2.122		18300	33648
2.176		21716	17496
2.278		2148	2363
2.417		919	7552
2.553		2094	3194
2.654		2727	1477
2.673		51601	55241
2.746	TCX	13543010	9651867
2.917		14911	12186
2.966		161539	119432
3.032		48751	32284
3.084		29618	21169
3.145		7378	5556
3.242		104886	112111
3.293		6324	3871
3.316		32279	23155
3.344		3181	1825
3.366		79417	61226
3.402		50152	33615
3.43		35231	20619
3.448		14491	7306
3.464		8935	4796
3.514		137028	152195
3.544		37141	17607
3.559		101522	80610
3.634		109714	78384
3.667		2794126	1903300
3.691		758090	472193
3.71		57379	27077
3.801		1755087	1259993
3.825		105438	55930
3.847		160650	123614
3.879		55918	29528
3.896		635312	439682
3.94		156253	130521
3.981		128464	117973
4.012		511846	314487
4.035		6829058	5064408
4.061		564910	330240
4.082		500092	284928
4.101		1013933	667356
4.138		6142864	4680478
4.172		2038085	1397380
4.192		1300999	780956
4.255		437728	340431
4.29		2165394	1880433
4.35		5026358	4116374
4.385		1200978	923688
4.414		8836574	7311587

4.454		534765	544462
4.51		3984765	3744280
4.548		542640	454899
4.581		5832616	4615431
4.607		725856	489510
4.651		3372254	2844471
4.678		137379	86248
4.757		3163720	3169363
4.811		4155569	3738206
4.852		906793	848336
4.892		6640278	6931928
4.941		401554	284524
4.965		161494	112961
5.03		72790	82682
5.085		301087	295792
5.121		261438	186223
5.146		1933184	1627490
5.197		231480	208891
5.233		188598	154807
5.263		97139	88632
5.294		884864	662682
5.314		550412	446465
5.391		106427	101304
5.531		30681	27162
5.573		789691	865133
5.732		135568	126734
5.774		30282	22206
5.799		141073	123821
5.849		63059	57357
5.953		41571	38035
6.104		2230	2067
6.153		101784	91475
6.183		2631	1768
6.312	DCB	10275220	9860326
6.759		7685	7382
8.623		4679	9923

AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608

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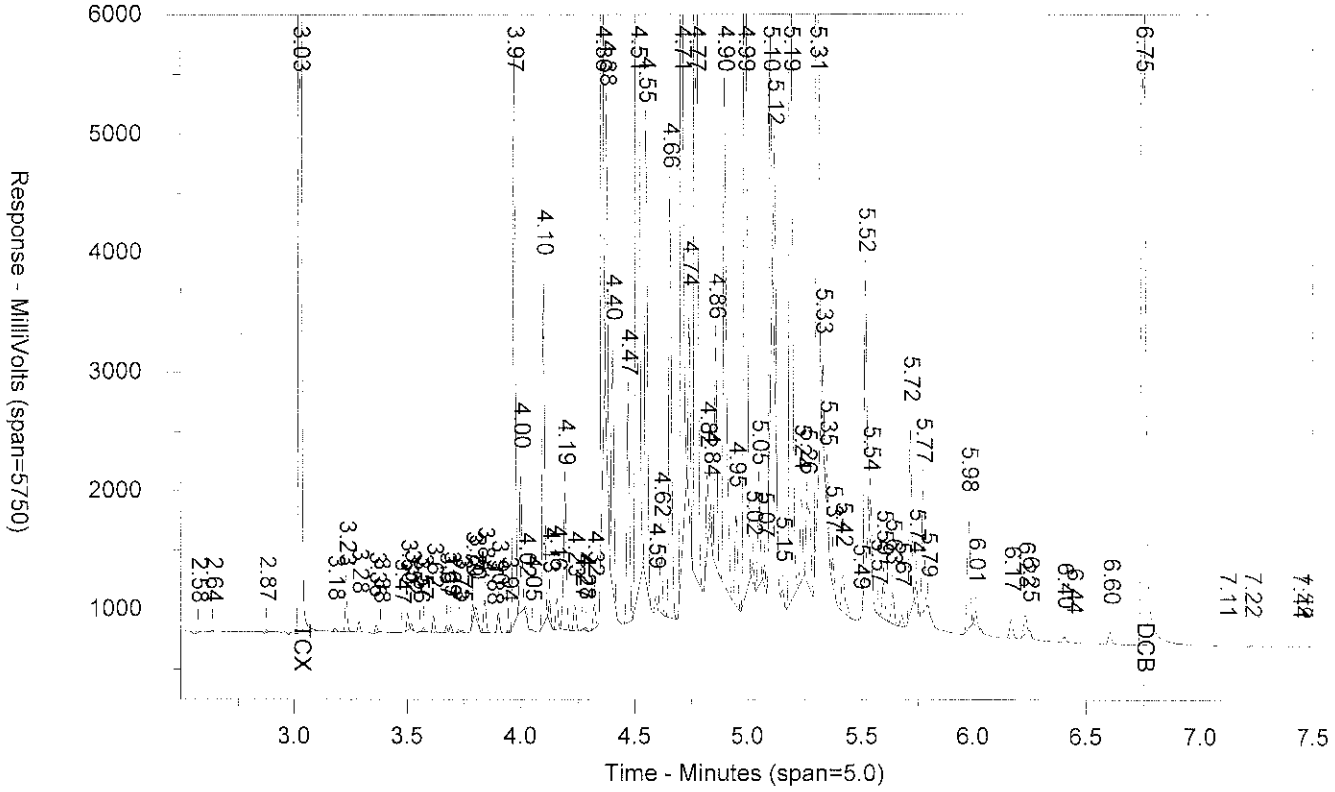

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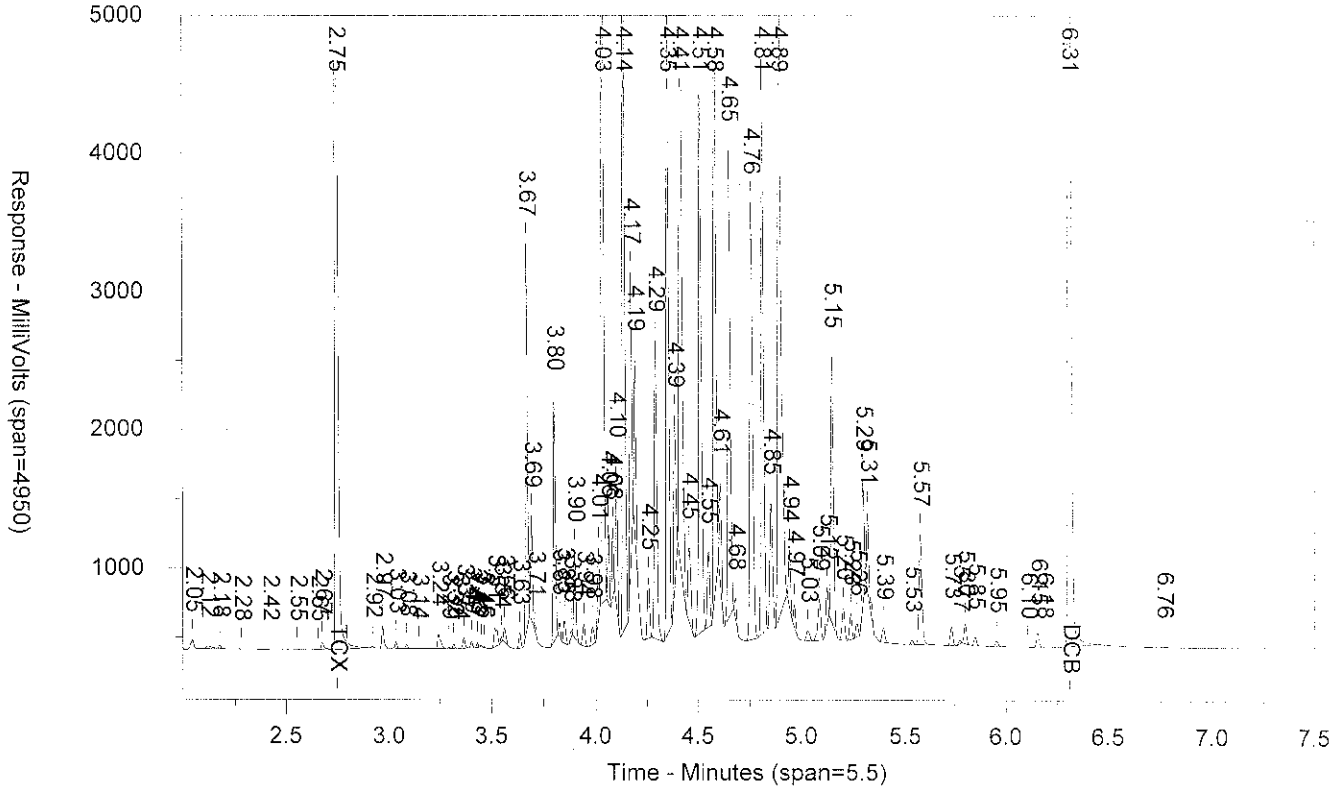

LANCASTER LABORATORIES

Sample Number: AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:17:54 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	28692770	40.984	TCX	2.746	13543010	39.562	TCX
6.748	11262620	38.907	DCB	6.312	10275220	37.304	DCB

Files:
Area File: 07pcbs17299001.0023.RAW
Area File: 07pcbs17299001B.0023.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 2:26:37 AM
File Reported On: 10/29/2017 at 1:40:33 PM

AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608

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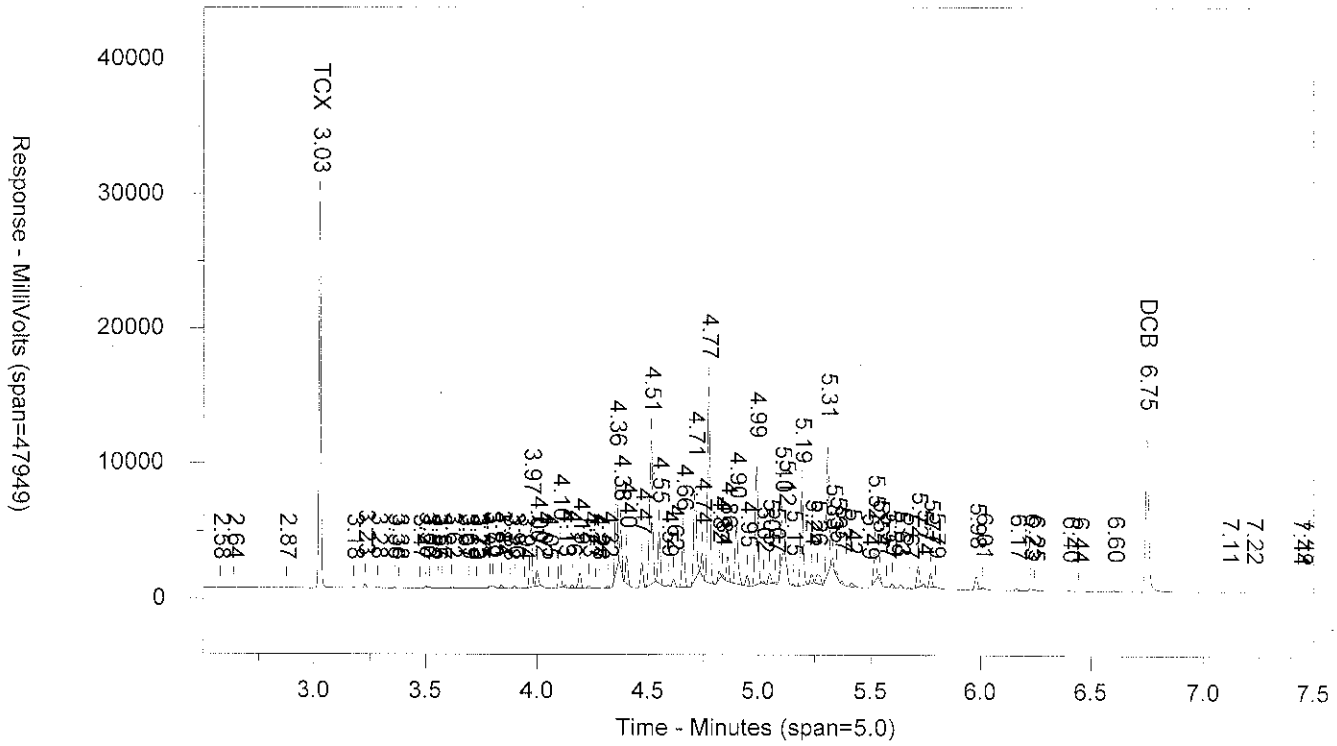

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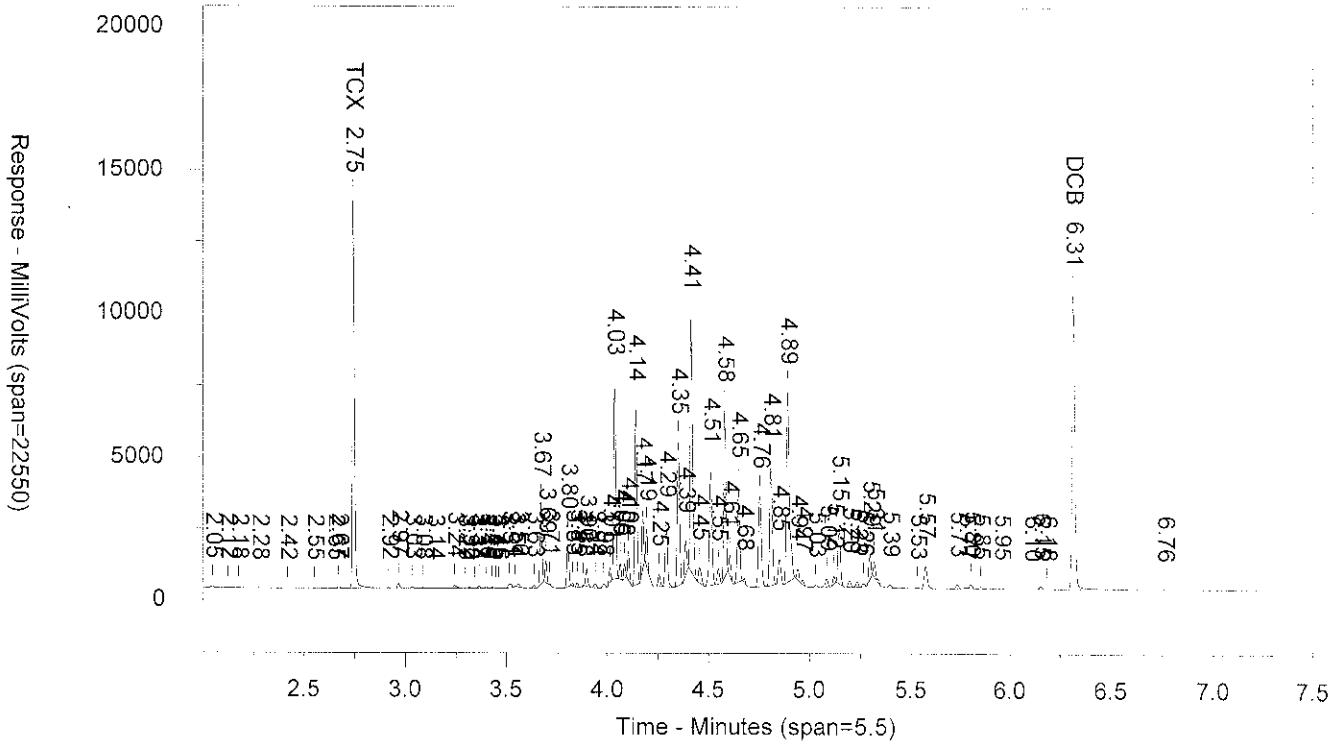

AR5451724C AAAR545AA ICAL 1729899999 06030 EPA 608

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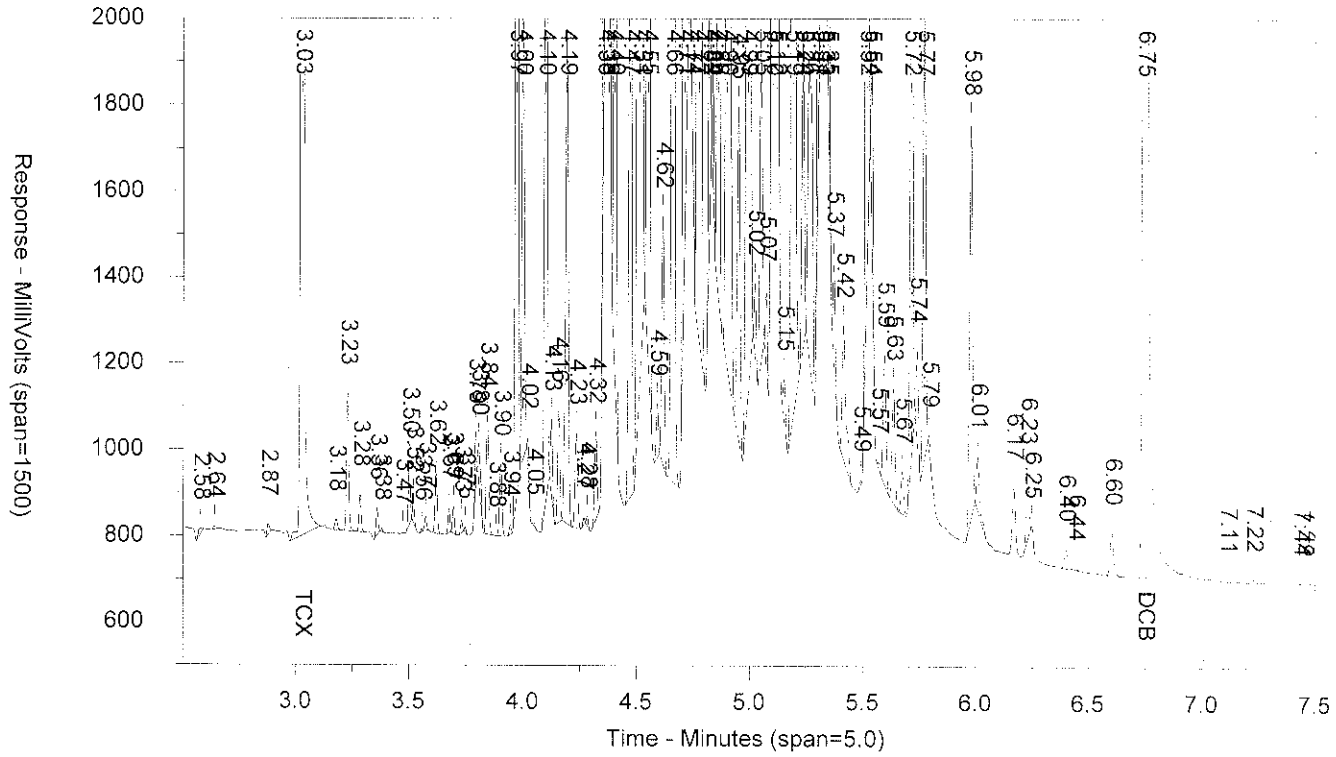

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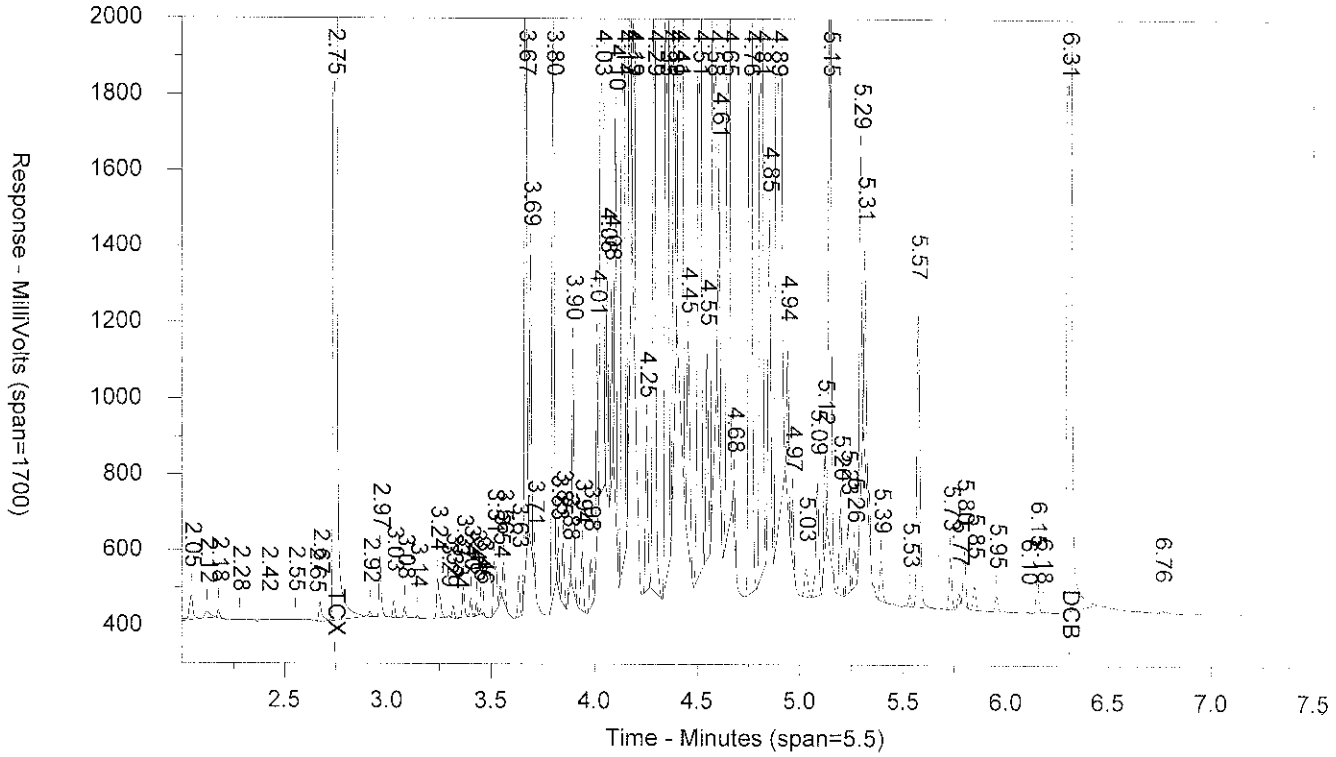

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:29:20 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: 07pcbs17299001.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.677		11473	109533
2.127		39789	112914
2.179		73506	166852
2.235		6816	6243
2.315		220396	157579
2.41		54032	35003
2.426		81441	54903
2.463		6120	7088
2.519		3968	2255
2.582		15007	26732
2.637		8298	6609
2.814		2480	1231
2.874		41931	29783
2.959		19391	21826
2.994		7035	12100
3.028	TCX	58501500	37283040
3.129		10862	6379
3.179		45488	36283
3.229		609525	414341
3.285		165867	106643
3.361		122176	76270
3.378		14904	7392
3.501		275026	164950
3.518		99872	54596
3.555		15006	6857
3.571		68890	44628
3.617		260037	181757
3.674		104010	61909
3.693		126427	76375
3.729		58202	32879
3.745		23520	11691
3.79		241039	131182
3.803		161457	132673
3.842		507086	406360
3.901		317362	244127
3.943		40778	25835
3.971		9096849	6633817
3.998		2350718	1715774
4.021		129208	63511
4.047		14451	8428
4.099		5688604	4173908
4.124		307409	194350
4.156		492529	353830
4.192		2290572	1991368
4.234		424796	335502
4.265		32606	18680
4.28		43075	24354
4.319		373944	297461
4.356		14464520	9948591
4.376		5343047	3121953
4.401		4081622	3248408
4.47		3727130	3055393
4.514		21113090	21273440

RT A	Compound A	Height A	Area A
4.549		7537624	5992231
4.59		253196	166119
4.614		1163168	910037
4.657		6966766	5975788
4.71		14132270	12289380
4.742		3344552	2227512
4.773		29417570	25248770
4.821		1315822	884661
4.836		508778	247409
4.859		3767363	2901823
4.899		8475075	8365940
4.948		1571827	1392300
4.991		18565990	16758060
5.021		324888	214577
5.049		1520299	1261076
5.073		359842	209505
5.102		5971381	4410152
5.119		3516532	2121001
5.152		190448	144343
5.192		14857630	13763490
5.237		1577996	1187742
5.263		1432403	2034302
5.309		19727710	16597320
5.331		1259688	654319
5.349		703220	417438
5.372		452615	316507
5.415		634897	700045
5.491		17782	12181
5.517		4935656	3980491
5.536		801233	477275
5.564		17521	13184
5.593		599638	520930
5.633		527102	476916
5.673		201519	170854
5.714		3171695	2732573
5.74		409593	277300
5.772		2156658	1857885
5.795		75411	43937
5.978		1787599	1685434
6.009		249601	233432
6.166		316397	315313
6.229		291355	273471
6.247		26070	17868
6.376		1345	349
6.403		86764	85559
6.446		4515	3324
6.526		4126	3491
6.602		195486	199340
6.747	DCB	21787930	22724670
7.222		15230	17856
7.273		2076	621
7.44		2114	1666
7.651		1222	720
8.049		1311	430
8.087		1026	463
8.116		1352	672
8.157		1282	952
8.224		1161	748
8.364		1560	891
8.629		1306	707

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:29:20 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: 07pcbs17299001B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.623		2563	11906
1.903		1912	4152
1.999		3954	7565
2.047		110050	109393
2.122		28197	50000
2.176		41533	31999
2.279		2530	2935
2.395		2895	7752
2.489		1724	2688
2.655		4836	2768
2.673		85160	91360
2.746	TCX	27094870	19074880
2.918		29579	25227
2.966		310023	226700
3.033		91031	62926
3.085		59315	39193
3.145		14137	10389
3.242		192944	209196
3.293		13136	7496
3.316		51457	35921
3.344		5876	3498
3.366		149109	114771
3.402		92946	62941
3.43		66977	39119
3.448		31148	15482
3.463		16892	8804
3.514		260654	286821
3.544		69228	31766
3.559		194536	152050
3.634		205973	146454
3.667		5468696	3648211
3.691		1457300	895481
3.71		114647	50139
3.801		3428234	2417834
3.825		198303	105899
3.847		313792	231300
3.879		105597	57588
3.896		1182330	836494
3.94		291114	243936
3.981		234853	218835
4.011		1010941	612934
4.035		13703480	9881366
4.061		1136282	662033
4.081		1001063	554669
4.1		1981191	1308472
4.138		11892970	9111655
4.172		4019523	2775945
4.191		2571095	1540389
4.255		803752	640581
4.29		4445956	3636147
4.35		10105240	8151122
4.385		2454002	1840977
4.413		17810060	14444000
4.454		1036558	1046170

4.509		7634660	7325601
4.547		1085256	881988
4.581		11815160	9193688
4.606		1407589	944602
4.651		6338749	5573426
4.678		284687	170857
4.756		6144487	6174650
4.81		8482696	7573758
4.851		1814779	1640706
4.892		13431160	13791950
4.941		827831	566920
4.964		297448	206089
5.029		140972	156491
5.085		583207	566788
5.121		503501	354632
5.145		3754535	3233973
5.196		441246	393583
5.231		358016	299117
5.262		190825	168083
5.292		1881436	1388000
5.314		1177811	970711
5.39		206647	194714
5.45		4231	3971
5.508		2690	1470
5.53		55235	48988
5.572		1523977	1668456
5.673		3427	3137
5.732		257382	240349
5.773		55609	42236
5.8		274326	236115
5.848		118331	110583
5.953		80161	71772
5.987		4463	4032
6.105		3680	3046
6.153		187711	172023
6.313	DCB	20059450	19165940
6.485		4214	2924
6.759		15393	14193
6.936		2586	2387
8.614		4199	7599

AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608

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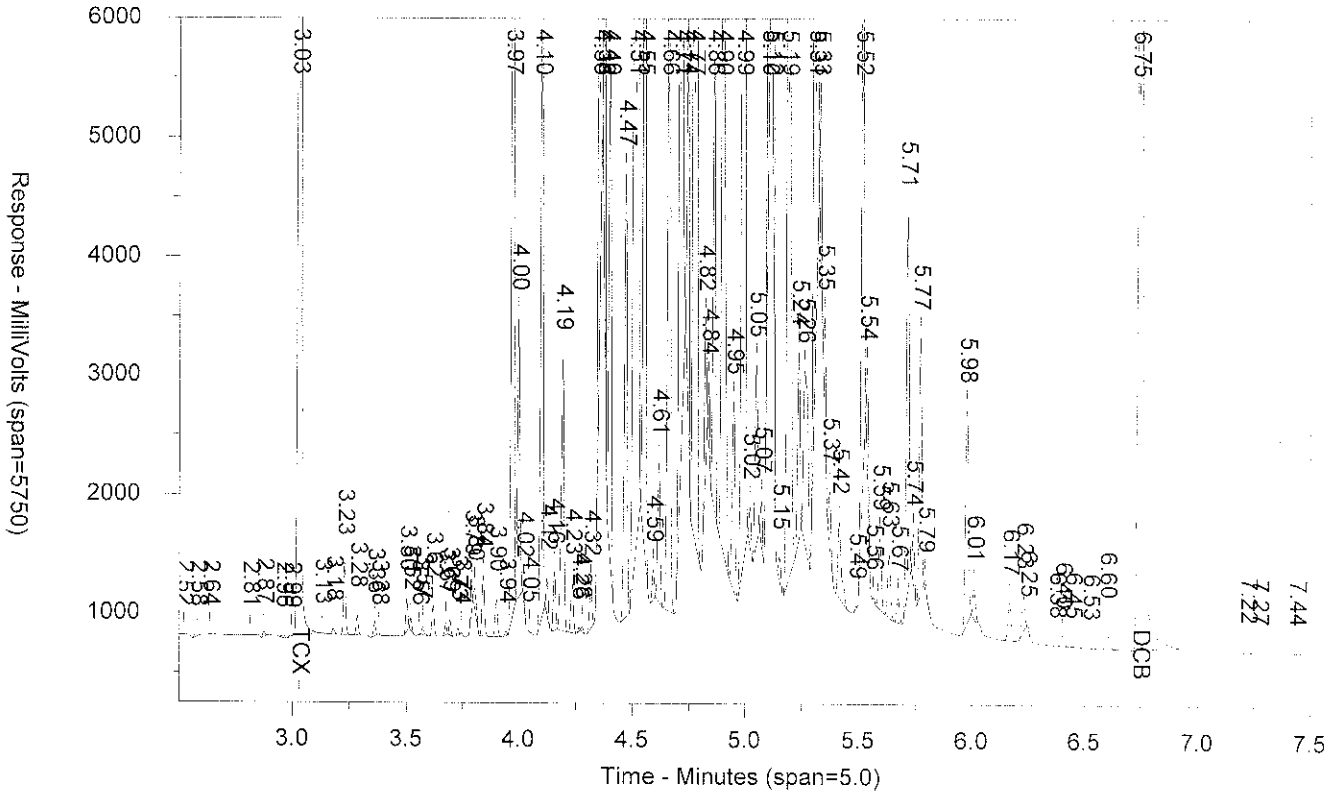

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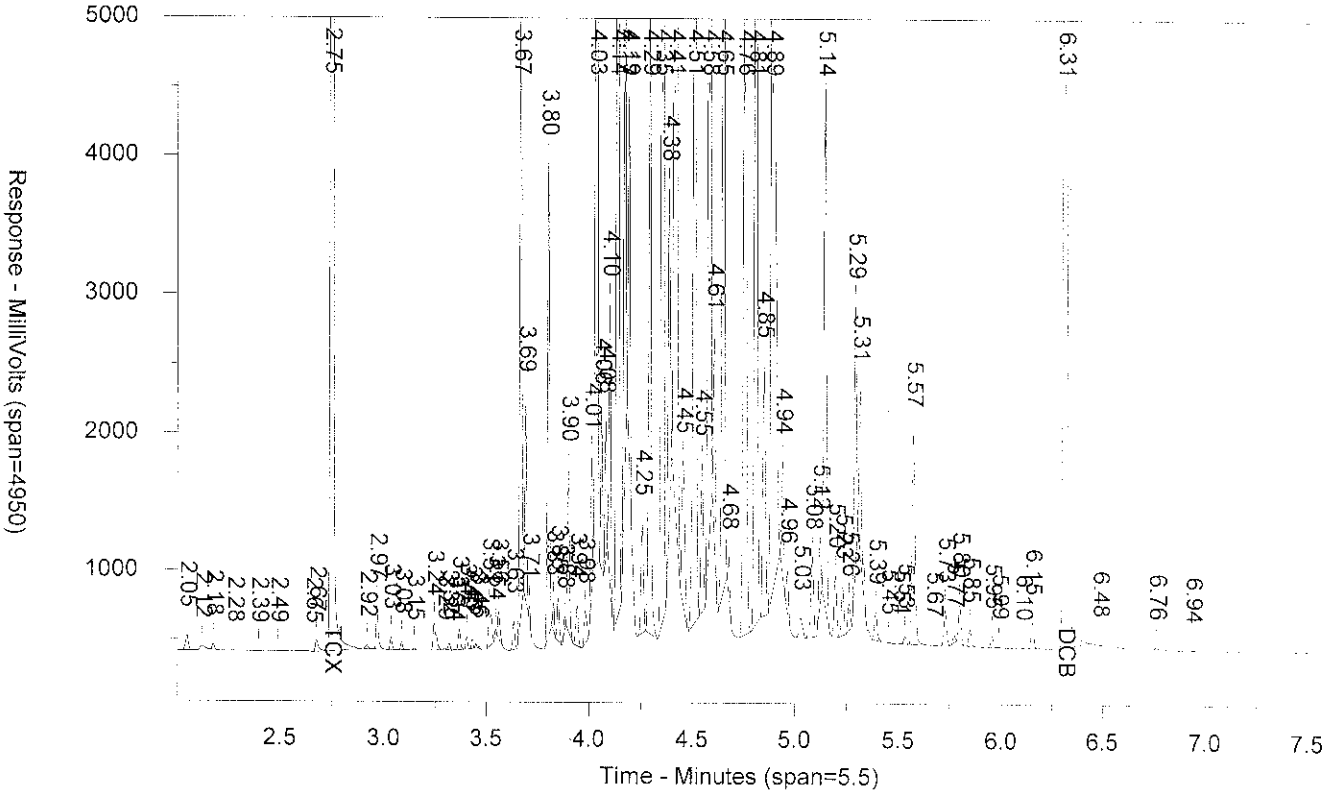

LANCASTER LABORATORIES

Sample Number: AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:29:20 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	58501500	83.562	TCX	2.746	27094870	79.149	TCX
6.747	21787930	75.267	DCB	6.313	20059450	72.825	DCB

Files:
Area File: 07pcbs17299001.0024.RAW
Area File: 07pcbs17299001B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 2:39:35 AM
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AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608

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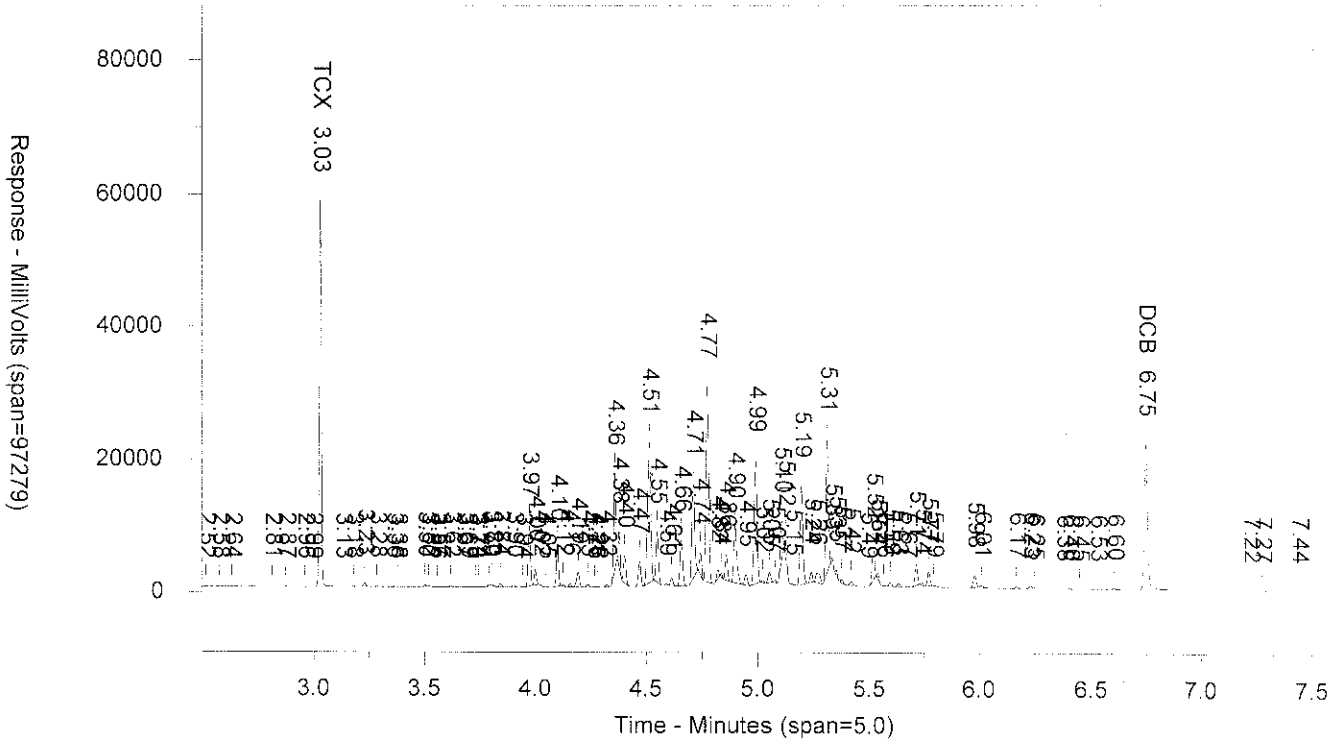

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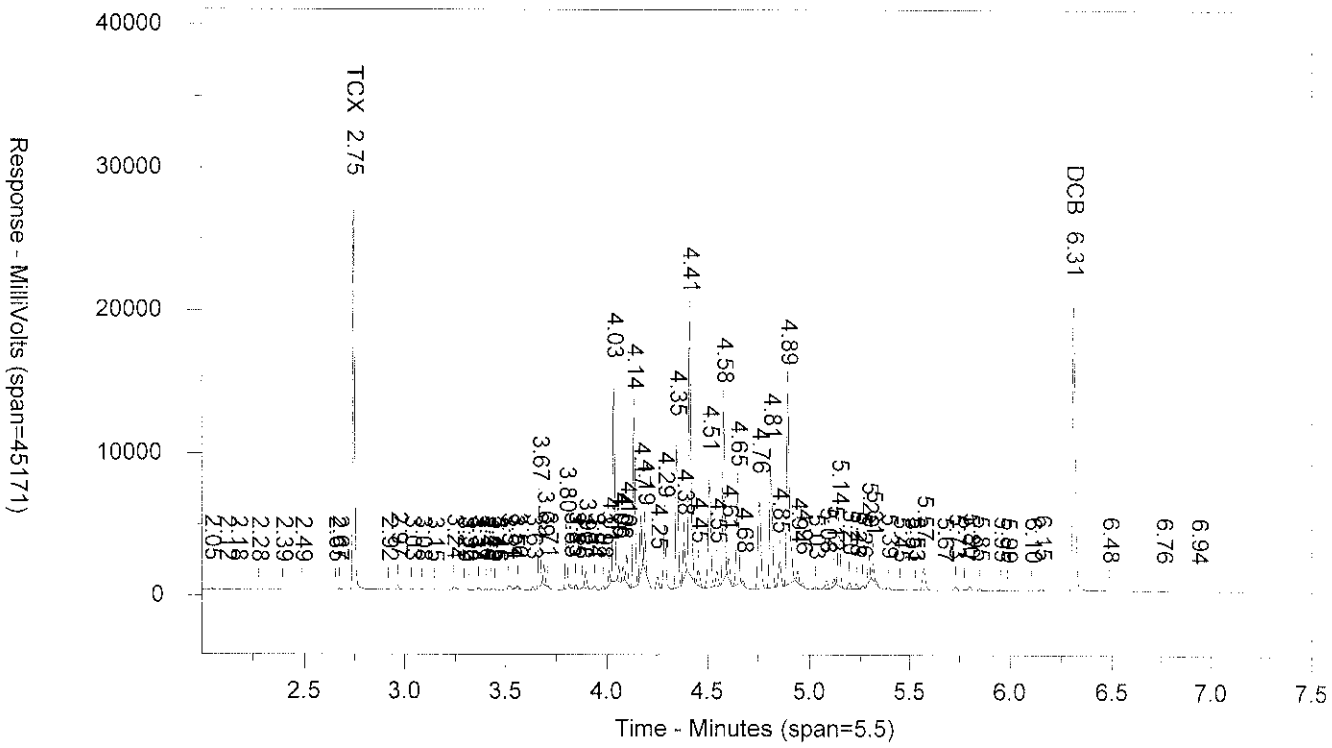

AR5461724B AAAR546AA ICAL 1729899999 06030 EPA 608

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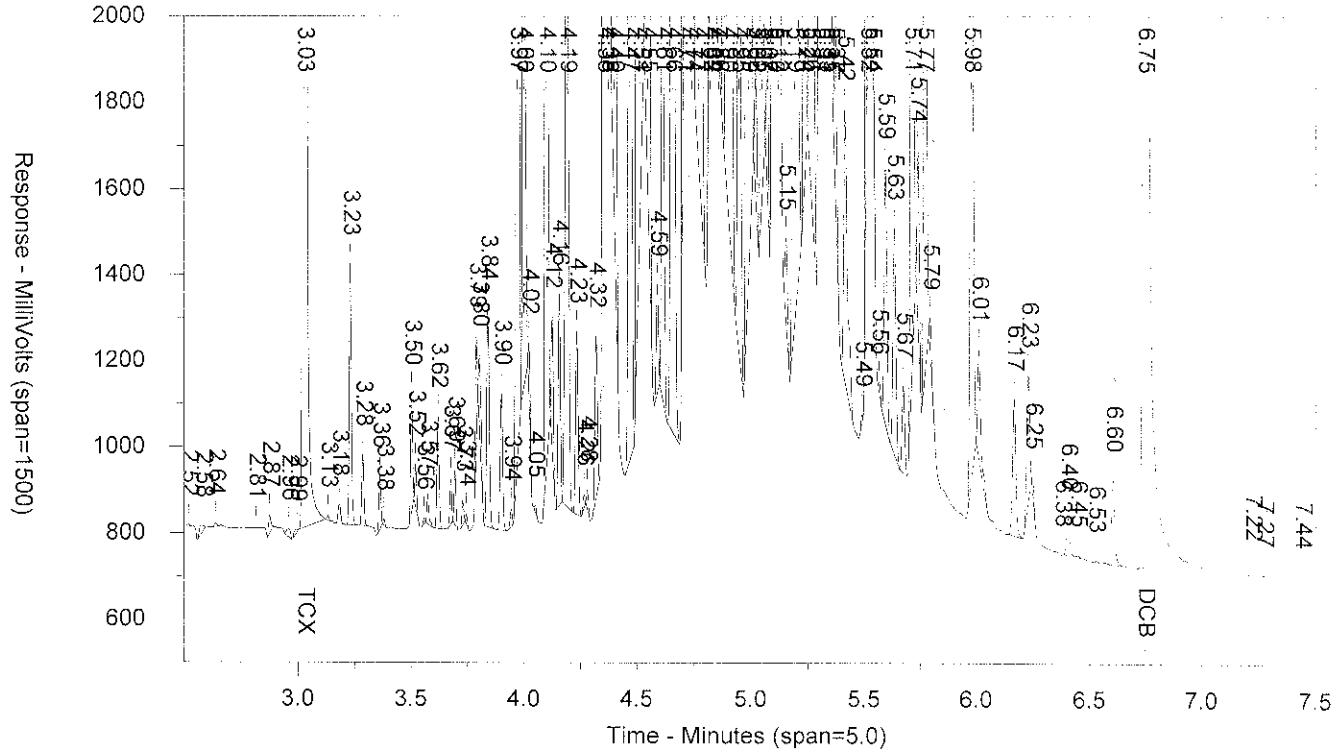

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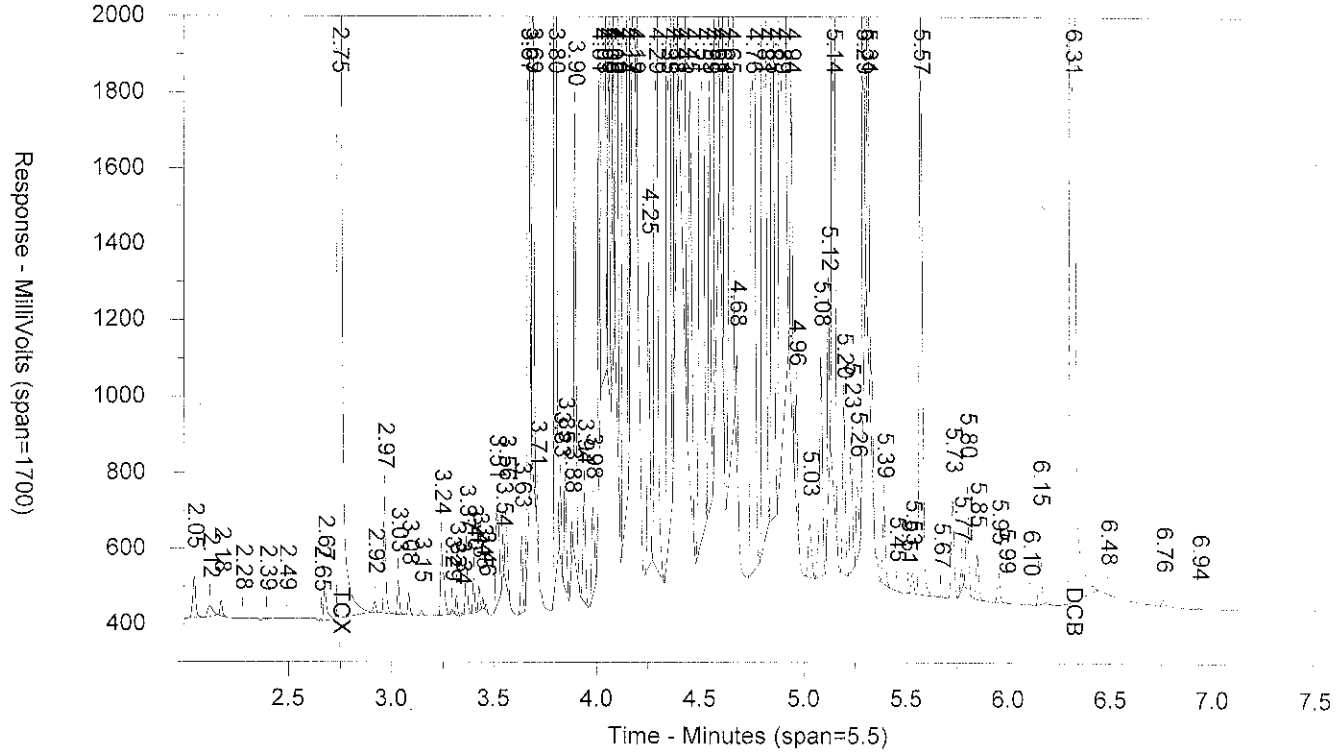

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:40:50 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: 07pcbs17299001.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.658		16013	64879
1.725		4898	3360
1.938		1774	2354
1.994		2981	2154
2.13		30986	103263
2.181		36325	65292
2.249		26291	49378
2.314		6213	4969
2.343		11013	8029
2.41		39283	28238
2.469		4898	5428
2.576		24849	39130
2.619		6109	5642
2.638		52380	54932
2.876		21184	20570
2.961		20780	23787
2.999		7636	15551
3.028	TCX	1400358	898075
3.18		36983	30562
3.238		51349	42391
3.286		243148	159586
3.364		5132	5412
3.38		25400	16057
3.502		261801	152471
3.52		124800	67244
3.557		27364	15378
3.574		6404	2685
3.587		17316	9009
3.619		289300	204399
3.705		2988	3679
3.73		62095	36023
3.746		30172	14910
3.792		154185	84657
3.804		270789	142505
3.842		323968	242904
3.903		271265	201665
3.945		20847	14773
3.972		189961	131540
4.001		140754	117971
4.023		39322	18933
4.048		2335	1726
4.101		208746	149693
4.127		75579	48426
4.158		78190	56646
4.194		213921	211155
4.235		58314	45284
4.281		12138	9720
4.324		16624	14733
4.357		144891	100371
4.378		167727	108271
4.401		209939	153573
4.463		9661	12963
4.511		145398	116826

RT A	Compound A	Height A	Area A
4.532		67882	39348
4.551		19619	11230
4.591		3461	2168
4.616		5188	3822
4.659		33200	31279
4.712		52461	50342
4.744		30332	23204
4.775		80311	71062
4.86		35243	31900
4.901		7547	7799
4.951		7320	5846
4.992		57303	52926
5.026		5605	3889
5.059		1579	513
5.108		3499	2483
5.119		5788	4488
5.193		61103	61475
5.267		9583	9400
5.309		25054	23634
5.373		2375	1447
5.472		3020	3949
5.519		7284	6666
5.591		10429	12462
5.673		9331	8969
5.716		5476	4296
5.77		4736	3132
5.796		13750	13895
5.978		7513	6916
6.114		1842	3482
6.165		14494	15091
6.23		19101	28264
6.392		1508	358
6.604		5541	5272
6.749	DCB	614381	681295
6.948		1420	545
7.109		1139	350
7.15		1070	781
7.412		1507	394
7.517		1712	546
7.601		1357	867
7.832		1810	762
7.9		1100	420
7.953		1433	448
8.012		1868	798
8.139		1238	322
8.175		1638	1374
8.346		1581	1134
8.394		1444	1058
8.455		1267	554
8.482		1226	1283
8.581		1399	1235

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:40:50 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: 07pcbs17299001B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.664		17030	105287
1.748		22918	51336
1.81		28716	120307
1.897		13809	28105
2.015		5574	14854
2.038		27156	29070
2.122		18897	45987
2.326		7818	12767
2.385		4305	8455
2.49		3120	2265
2.55		4064	3229
2.655		3771	2461
2.673		44285	48949
2.746	TCX	661247	473642
2.789		11055	7921
2.918		26491	21215
2.98		28146	26102
3.033		133964	97564
3.146		17773	12847
3.242		185889	205195
3.294		19512	12637
3.316		12955	9791
3.344		10234	5885
3.366		167200	125285
3.403		6654	4396
3.432		2080	997
3.448		38525	21710
3.464		20500	10166
3.515		65779	36292
3.525		162733	78586
3.56		160758	123229
3.634		171400	124144
3.668		119474	78931
3.692		130043	79088
3.711		37198	19575
3.802		152683	112708
3.826		60560	37477
3.848		52390	34094
3.879		28857	15646
3.897		122259	88560
3.941		46924	38149
3.989		8270	5498
4.012		84449	56529
4.036		168549	120077
4.062		142644	107086
4.102		7015	4265
4.139		43443	36809
4.177		89634	75870
4.207		58549	39642
4.251		6742	8383
4.291		25334	22322
4.351		43168	36543
4.386		23607	17281
4.414		64818	59221

4.512		29751	38068
4.548		6809	4850
4.582		46642	43142
4.65		8900	6700
4.679		3655	2719
4.755		5936	8244
4.811		38366	33224
4.838		5340	7727
4.892		20386	28448
5.042		5060	5143
5.088		2206	2267
5.121		2458	1560
5.147		6997	5997
5.267		4868	4479
5.293		3003	1802
5.314		6434	5722
5.39		10181	10072
5.452		1842	1984
5.571		3989	4390
5.732		13603	14728
5.8		16882	16827
5.848		4847	4104
5.882		2892	2012
6.153		6497	5843
6.313	DCB	620805	637920
6.791		3454	3813
7.314		1256	1781
8.319		1377	1583

AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608

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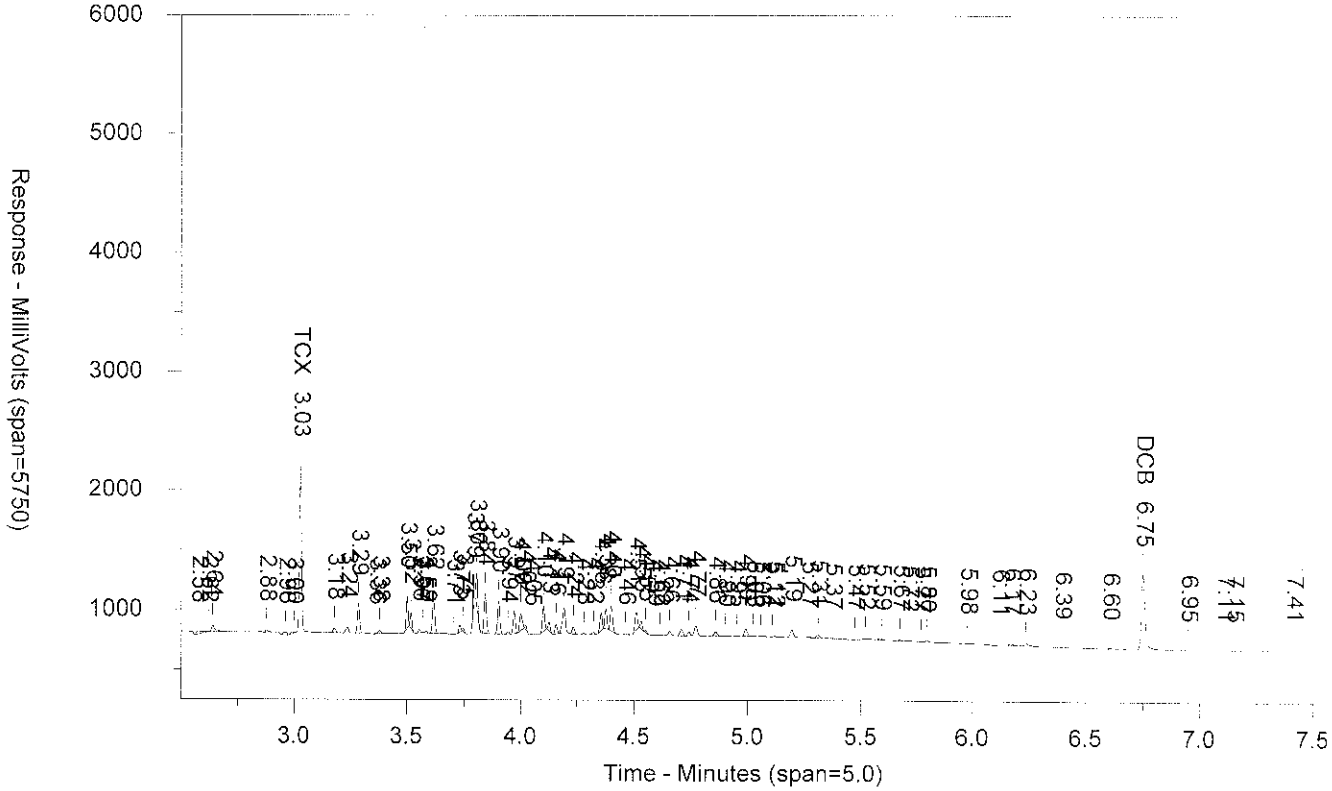

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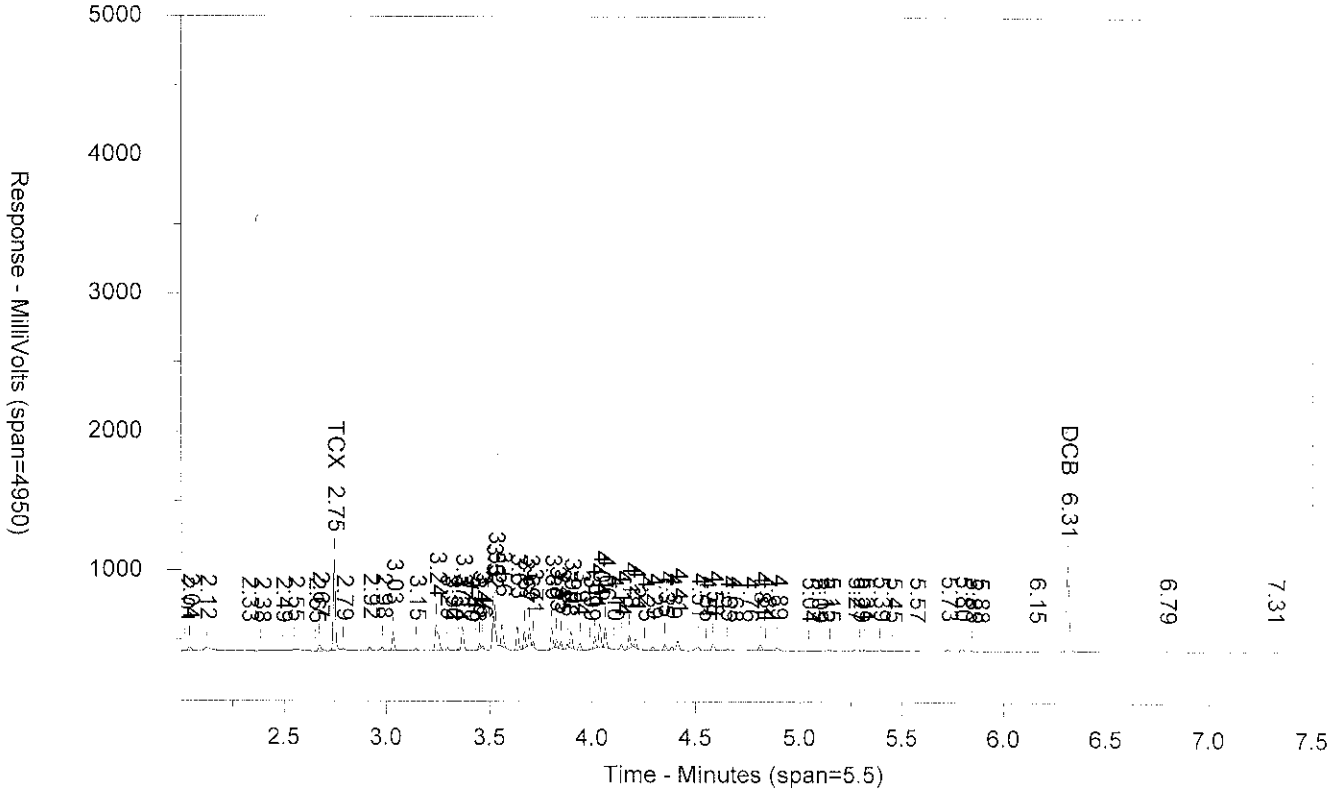

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:40:50 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
3.028	1400358	2	TCX	2.746	661247	1.932	TCX
6.749	614381	2.122	DCB	6.313	620805	2.254	DCB

Files:
Area File: 07pcbs17299001.0025.RAW
Area File: 07pcbs17299001B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 2:49:32 AM
File Reported On: 10/29/2017 at 1:40:57 PM

AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608

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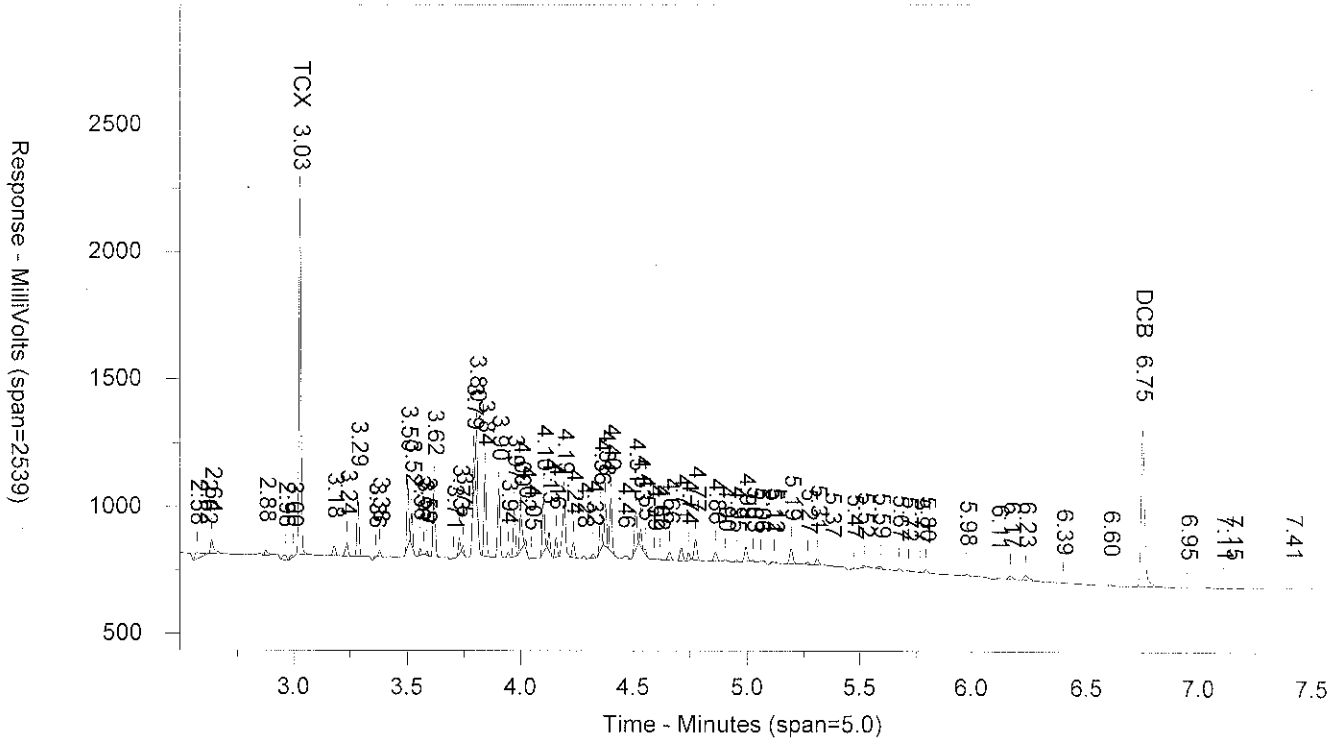

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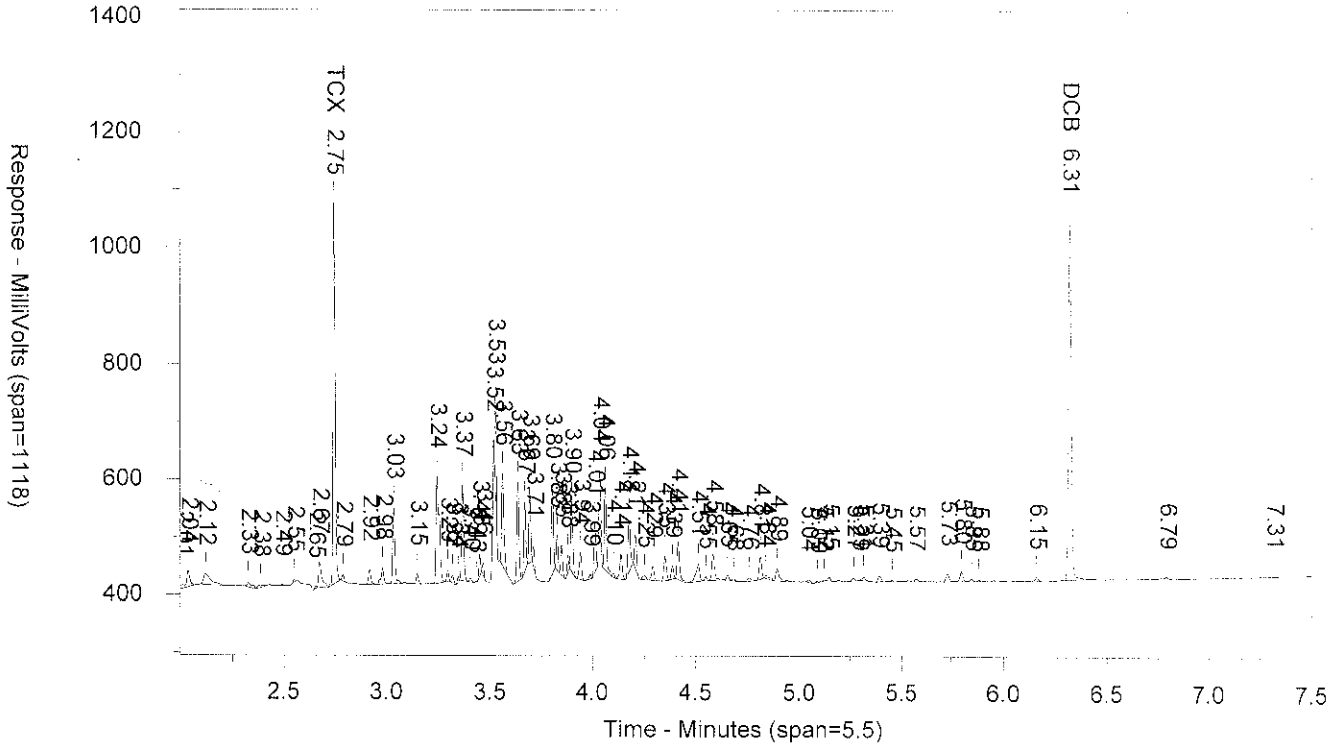

AR4211724A AAAR421AA ICAL 1729899999 06030 EPA 608

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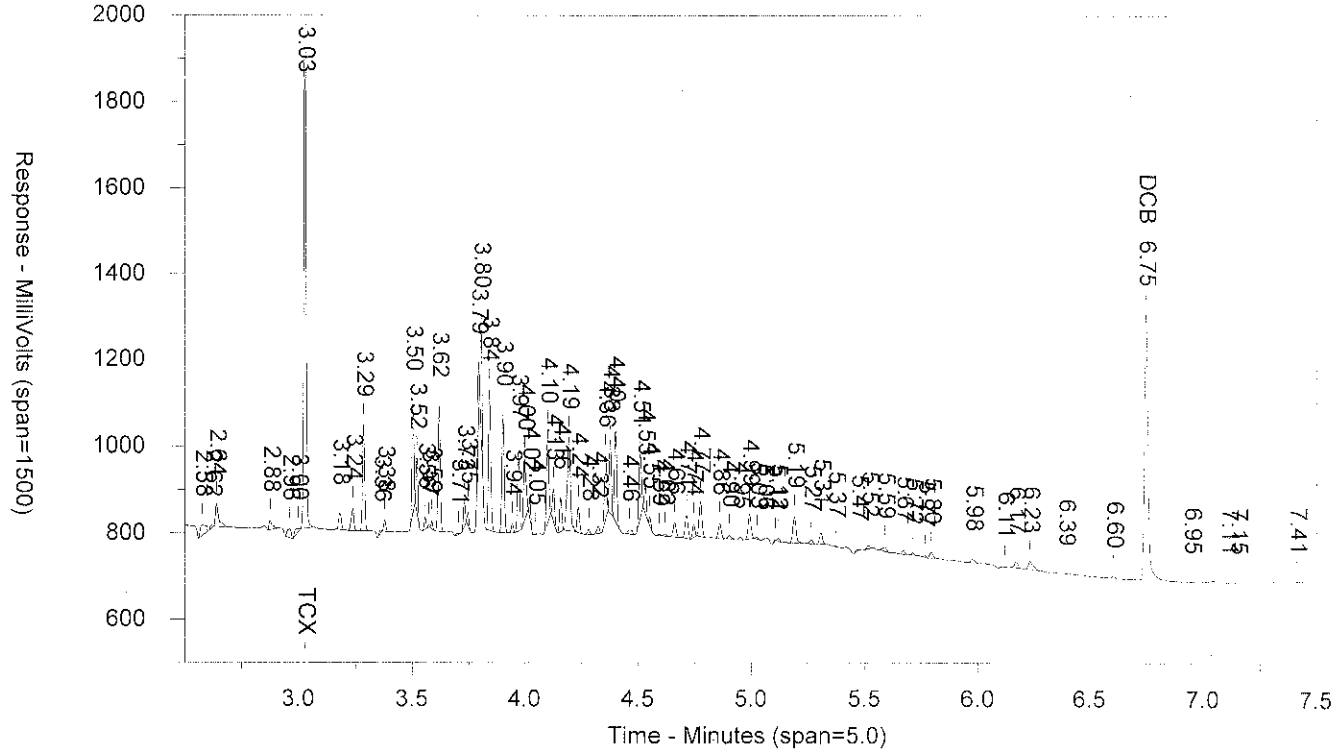

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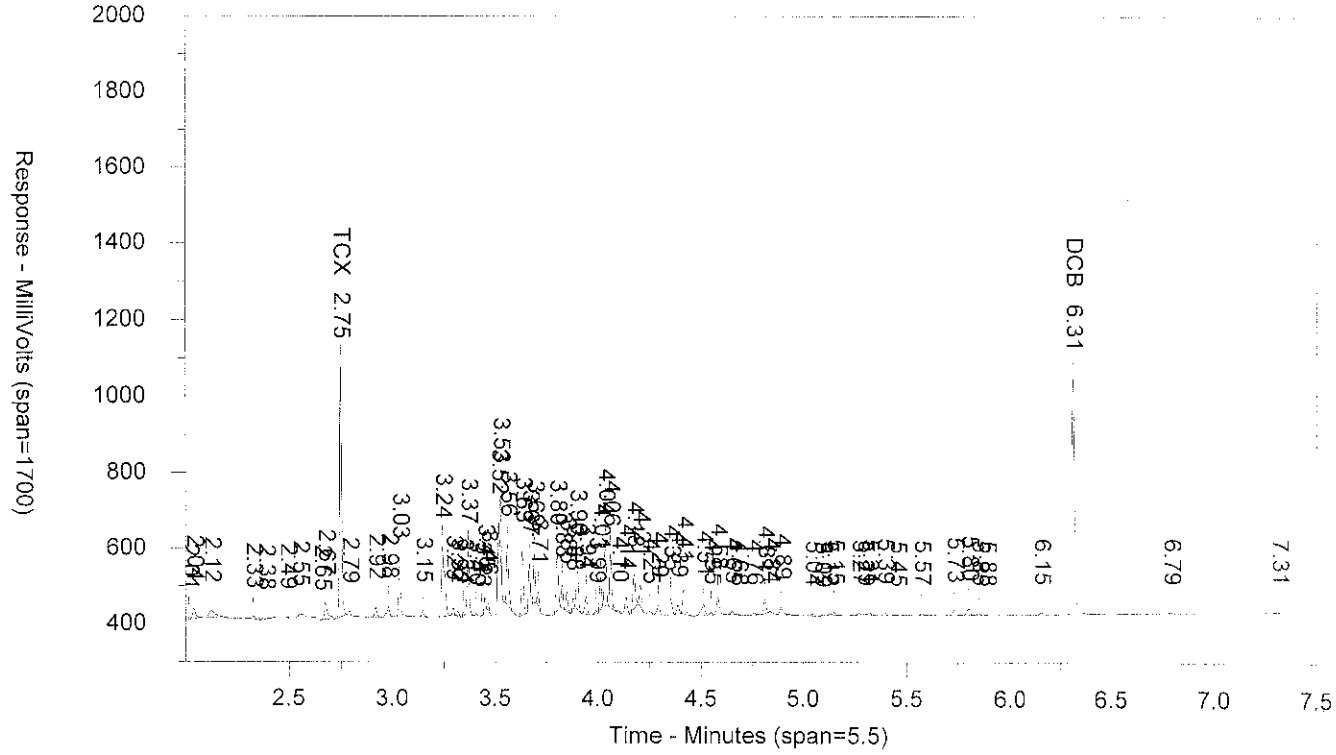

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:52:16 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: 07pcbs17299001.0026.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.673		27294	100225
1.725		8053	6610
1.809		3571	1900
2.069		7796	12030
2.121		23562	43568
2.18		84817	177450
2.24		6033	5156
2.315		11920	9346
2.342		9739	6046
2.41		56305	34543
2.467		2796	1677
2.577		11357	15473
2.638		55443	42654
2.875		58955	75478
2.962		14185	16491
3.028	TCX	2700129	1813946
3.16		2531	1088
3.179		76012	61017
3.237		101449	83508
3.285		459183	303168
3.362		5834	4302
3.379		50702	31977
3.501		492464	289549
3.518		233887	123923
3.555		53490	30015
3.571		14014	5490
3.585		31492	16439
3.617		557246	390571
3.673		6094	3931
3.693		12812	7720
3.729		116877	70086
3.745		63402	31310
3.791		312210	166992
3.802		564088	276525
3.841		615149	467647
3.902		513762	389368
3.944		41127	28598
3.971		349421	252147
3.999		267960	226085
4.022		80917	43631
4.1		396287	285483
4.125		143158	92389
4.157		155241	110053
4.192		423326	402503
4.234		125407	97444
4.28		21027	15878
4.322		32500	27579
4.355		265380	186645
4.376		336048	216076
4.4		395510	299233
4.46		6836	4015
4.47		7577	3291
4.509		283688	222543

RT A	Compound A	Height A	Area A
4.531		128926	77971
4.55		35958	21228
4.592		5229	3471
4.613		11574	8728
4.658		63317	57442
4.711		92663	81587
4.743		53237	40365
4.774		148089	127598
4.822		4925	3497
4.839		1819	400
4.859		64384	57515
4.899		20268	21944
4.949		14381	12947
4.991		94428	91647
5.023		4116	2949
5.055		2199	1329
5.074		7976	6188
5.103		17021	11349
5.12		9180	4355
5.148		10093	8818
5.191		102730	109282
5.236		2260	1180
5.267		14254	15764
5.309		55801	50407
5.35		3134	1498
5.374		25590	23390
5.416		19820	23074
5.47		3225	4086
5.514		8042	5986
5.536		46800	40049
5.592		28264	27303
5.635		13041	11898
5.673		9930	10041
5.717		21982	20630
5.772		134596	120319
5.794		8218	5087
5.978		128949	126868
6.031		39254	66047
6.166		26741	26052
6.23		14540	11307
6.249		21907	15980
6.404		61203	62815
6.603		31221	29831
6.748	DCB	1158170	1259845
7.216		1364	1118
7.558		1471	644
7.609		1772	952
7.739		1507	892
7.78		1149	595
7.94		1098	387
7.978		1325	284
8.011		1562	724
8.14		1445	416
8.29		1282	600
8.406		1789	894
8.619		999	353

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:52:16 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: 07pcbs17299001B.0026.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.592		3043	4155
1.901		6704	14669
2.039		36986	42252
2.121		39732	74399
2.325		6407	9012
2.399		1609	4221
2.424		2821	2791
2.552		10805	19523
2.653		5357	3279
2.673		101855	107326
2.746	TCX	1283923	902200
2.788		22559	16526
2.918		50737	40141
2.98		56098	51734
3.033		255320	186372
3.083		4180	3472
3.145		33990	24341
3.242		339777	377962
3.294		37613	23874
3.316		20913	13760
3.343		20309	10675
3.365		312613	236400
3.402		12164	7901
3.43		2885	1264
3.448		73264	40417
3.464		42102	21374
3.515		103460	65840
3.524		301036	147211
3.559		308721	235255
3.633		332849	232348
3.667		222033	149053
3.692		238178	147773
3.711		72001	38258
3.801		288684	213423
3.825		102927	61256
3.847		98105	65383
3.879		56464	31199
3.897		226268	165168
3.941		87938	73575
3.989		15677	12236
4.012		158367	107794
4.035		319955	224792
4.062		267237	203414
4.102		12081	6822
4.139		79105	66159
4.177		172847	143016
4.206		116111	79183
4.254		11020	11286
4.291		47859	41370
4.351		77155	64897
4.385		44669	33982
4.414		114305	97830
4.512		55388	65864
4.548		12101	10357

4.582		81391	75639
4.651		22646	17859
4.679		6057	4759
4.759		19880	19388
4.784		4032	2436
4.81		68247	57501
4.838		4330	2804
4.892		42184	37705
4.925		17038	13981
4.966		13156	10592
5.045		3160	3063
5.121		44638	36000
5.146		8349	6025
5.196		21304	20363
5.232		10133	8036
5.263		12658	12696
5.315		134560	130311
5.356		2842	1950
5.39		17801	17290
5.509		1968	1212
5.53		49415	42555
5.576		121367	136941
5.731		23430	22024
5.775		2174	1685
5.799		22241	19783
5.849		29930	27485
5.953		58164	53088
6.153		31502	30584
6.277		913	882
6.313	DCB	1157231	1145308
6.794		3081	3118

AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608

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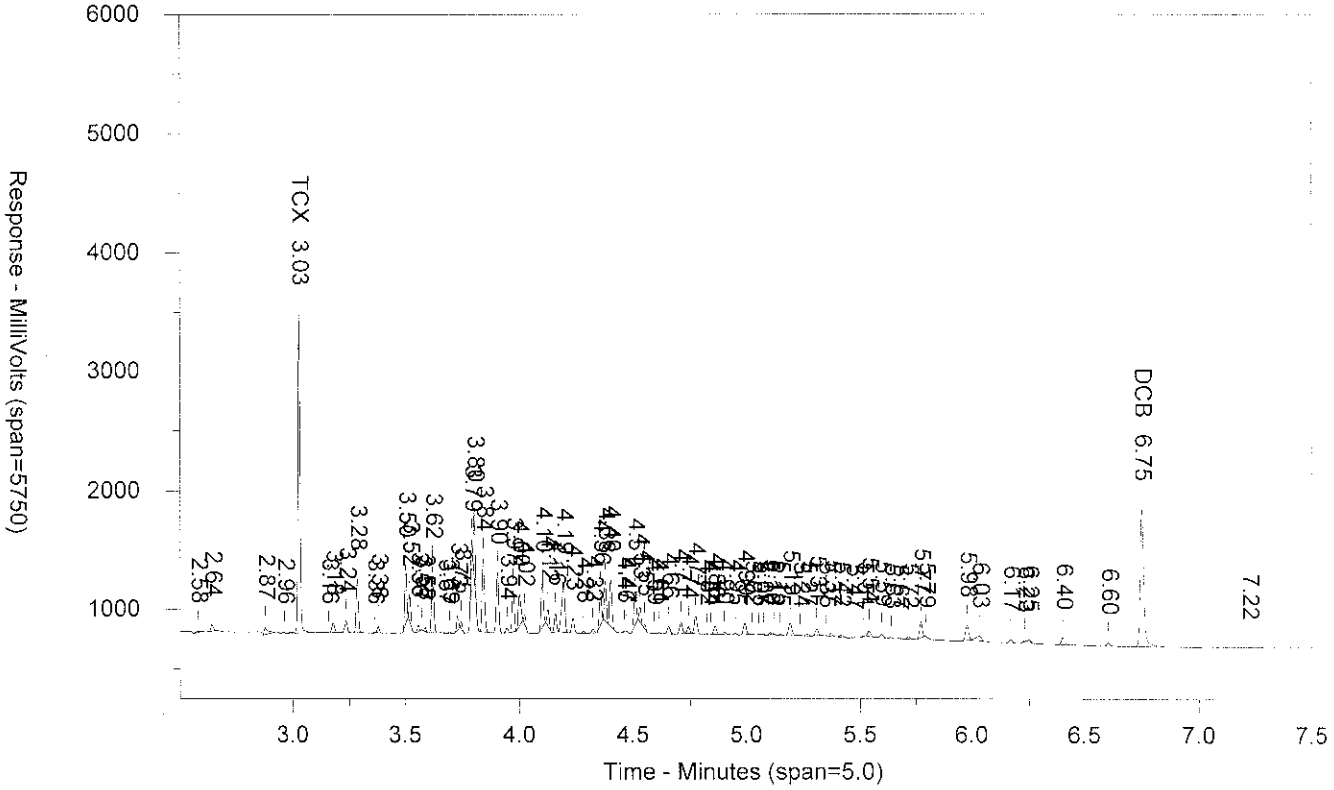

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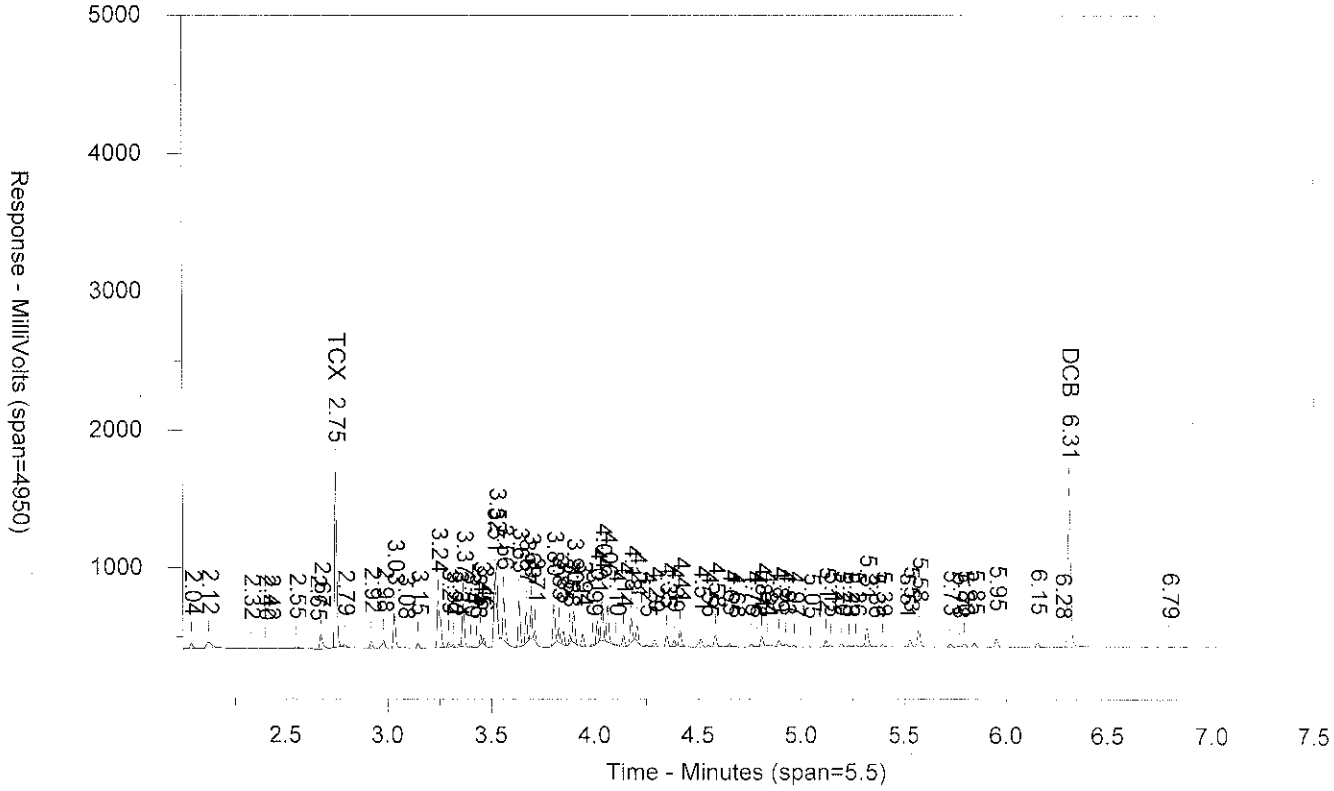

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 2:52:16 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	2700129	3.857	TCX	2.746	1283923	3.751	TCX
6.748	1158170	4.001	DCB	6.313	1157231	4.201	DCB

Files:
Area File: 07pcbs17299001.0026.RAW
Area File: 07pcbs17299001B.0026.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 3:01:00 AM
File Reported On: 10/29/2017 at 1:41:08 PM

AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608

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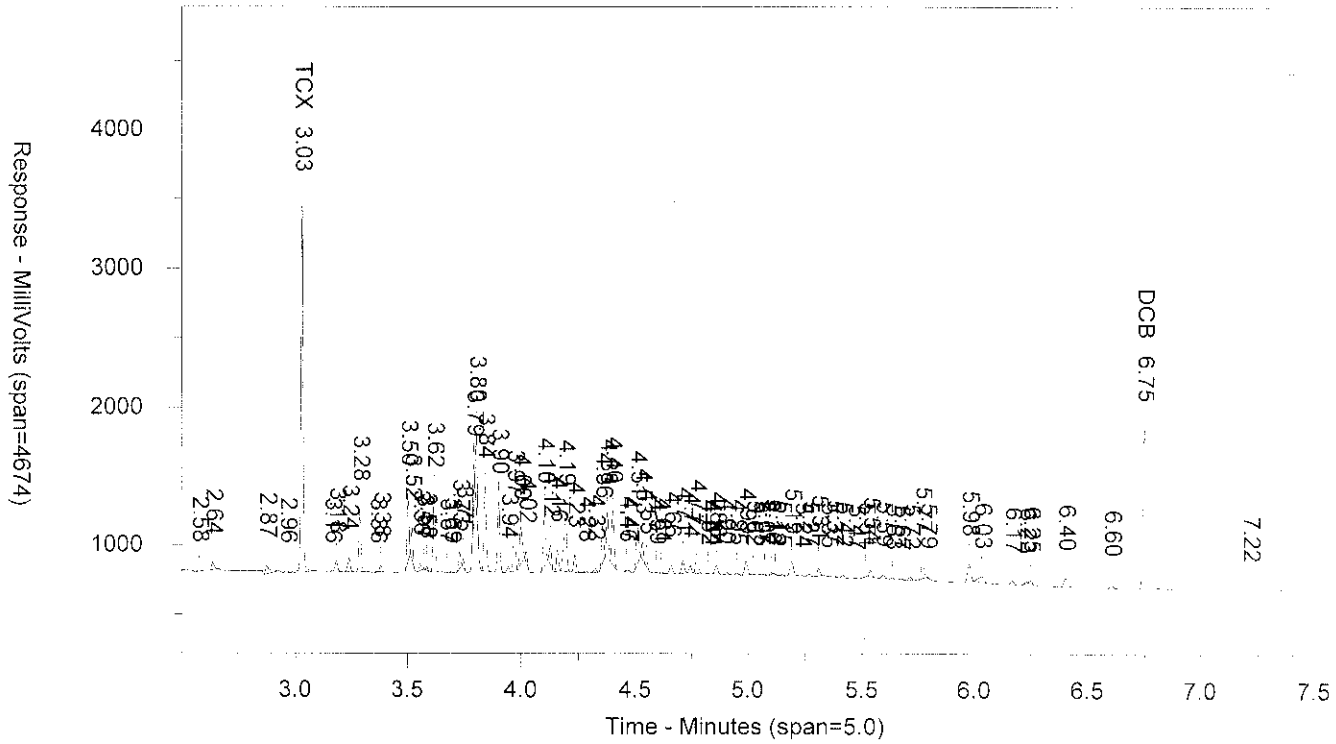

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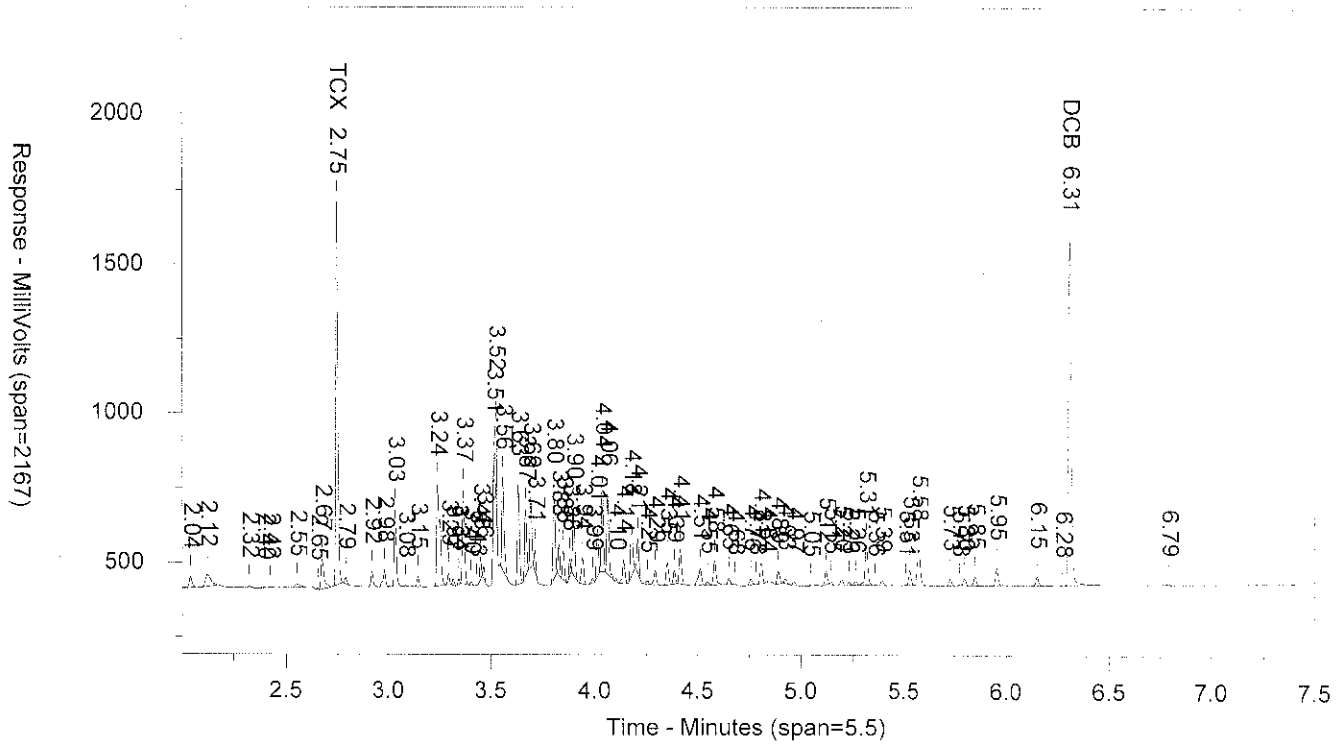

AR4221724A AAAR422AA ICAL 1729899999 06030 EPA 608

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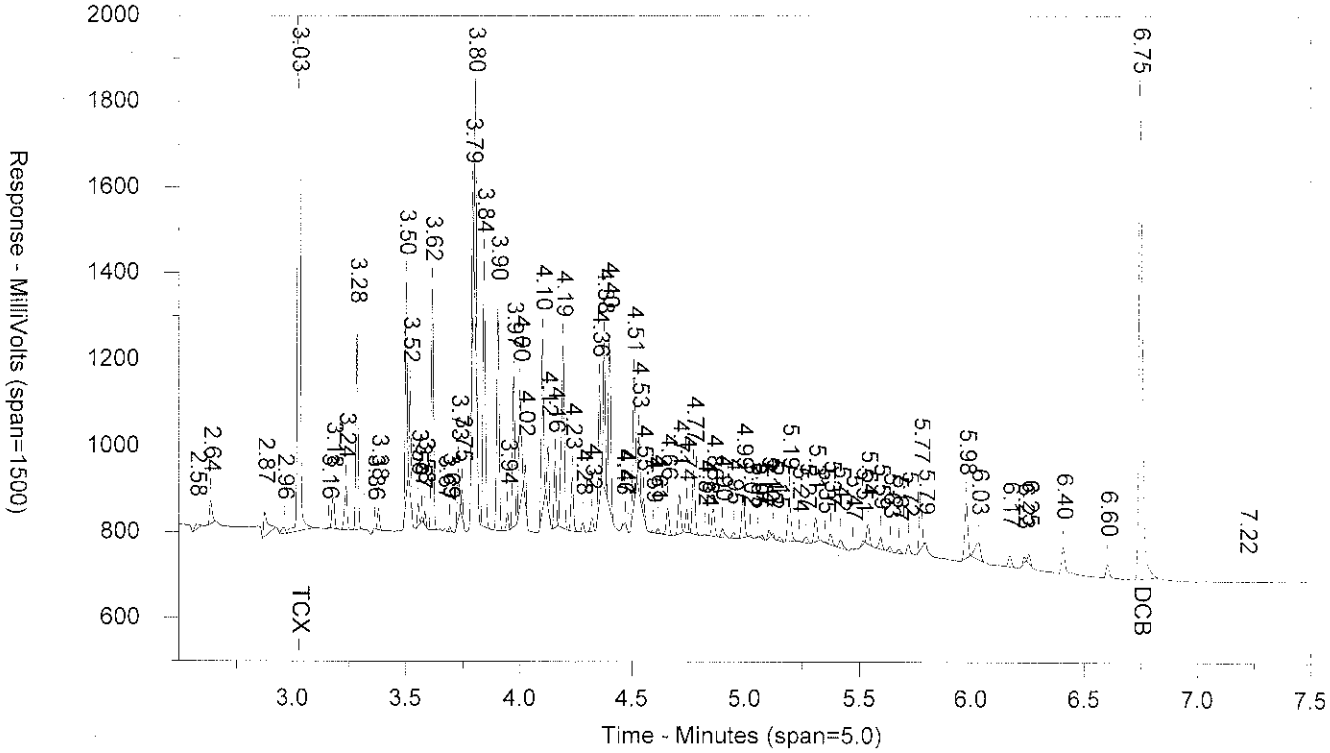

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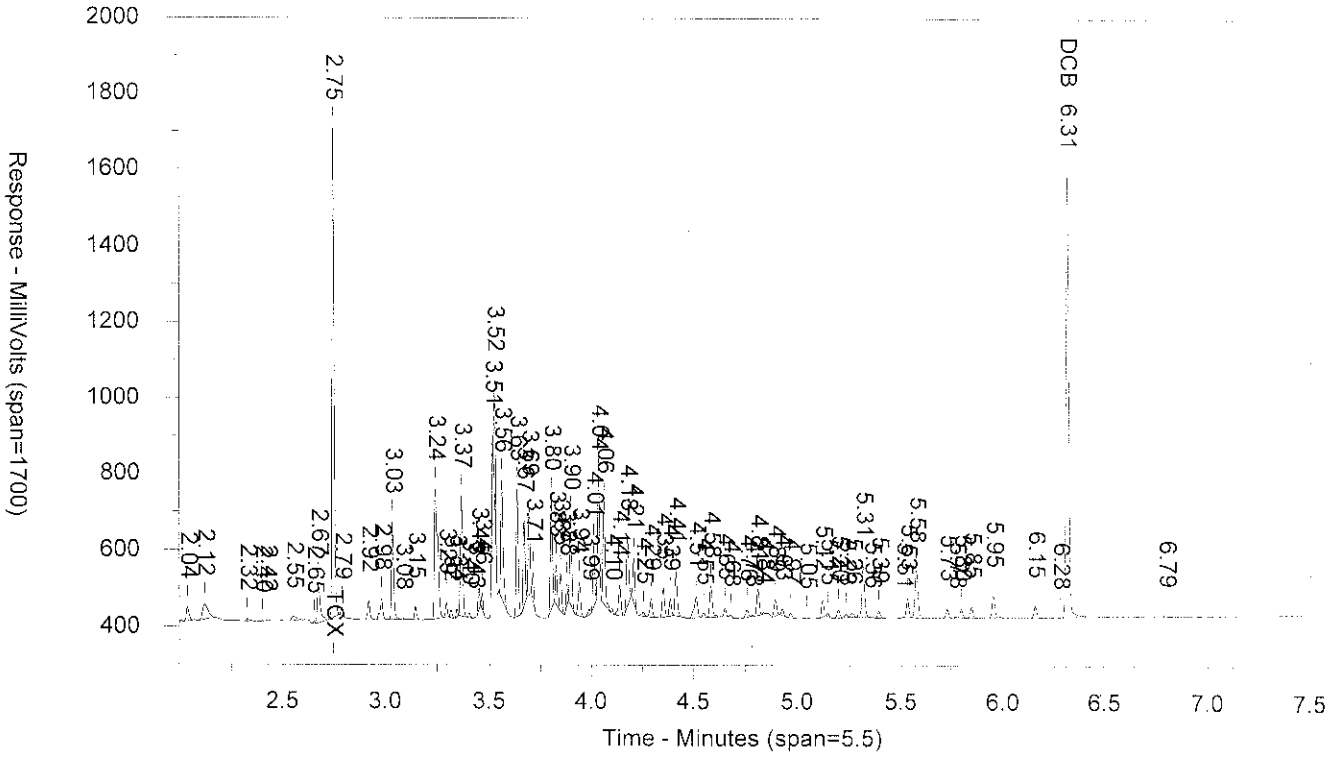

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:03:39 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0027.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.643		8371	15567
1.73		3255	2921
1.809		3660	3292
1.923		3555	2770
1.95		8290	8205
2.129		14159	40141
2.18		43287	66940
2.315		56153	37496
2.343		6028	4634
2.409		63242	41171
2.426		22168	13855
2.465		2654	2275
2.581		8488	13095
2.637		34811	25046
2.662		9373	5475
2.874		41027	40403
2.957		16704	19848
2.989		4803	5248
3.028	TCX	13665060	8662288
3.159		4612	1977
3.179		145651	115465
3.235		212338	215056
3.284		866599	577449
3.361		26020	15373
3.379		96375	58855
3.501		932457	547480
3.518		454870	240348
3.555		102255	57251
3.57		24929	10172
3.585		59506	31511
3.617		1038790	746364
3.652		5621	3039
3.673		25294	15163
3.692		29767	17080
3.729		220131	130101
3.744		113699	58818
3.79		585621	301161
3.802		1091532	544165
3.841		1203104	906886
3.901		1002577	745543
3.943		75235	53095
3.971		658714	476039
3.999		502064	418059
4.021		153377	81378
4.099		759310	541838
4.125		260965	175044
4.156		293995	209703
4.192		790715	767839
4.233		232747	189949
4.28		42518	34262
4.321		60677	49812
4.355		509744	350408
4.376		649244	415956

RT A	Compound A	Height A	Area A
4.4		773015	578638
4.469		40915	54000
4.509		508160	412216
4.531		246596	146280
4.549		65610	37817
4.591		7774	4592
4.615		22408	16748
4.659		116160	105001
4.71		179983	153785
4.742		102215	75108
4.773		270747	237634
4.821		3838	2074
4.858		121245	108908
4.901		13134	9263
4.949		27464	24445
4.991		185165	168504
5.025		18905	14699
5.073		20387	24392
5.102		11825	7823
5.119		10466	6582
5.191		179403	177234
5.236		4034	2435
5.267		43889	42379
5.309		51798	45944
5.372		5636	3899
5.42		4716	5755
5.471		2665	3248
5.516		14928	11749
5.536		6958	4537
5.593		9521	8102
5.632		3745	3233
5.672		33755	32051
5.714		13649	11588
5.773		19900	15244
5.796		60961	53470
5.883		2405	654
5.977		29654	28117
6.031		4820	4531
6.166		88594	87167
6.229		99341	126061
6.404		15190	13986
6.568		1762	1012
6.602		52882	55083
6.747	DCB	5361139	5759160
7.22		3821	4259
7.645		1604	411
7.752		1306	469
7.857		1995	418
8.049		1277	458
8.064		1227	338
8.163		1030	336
8.307		1396	581
8.39		1619	575
8.472		1126	348
8.497		1638	1006

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:03:39 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0027.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.629		3712	14877
1.662		3878	7945
1.896		4102	7170
2.015		1960	5881
2.042		42914	53247
2.122		25704	47238
2.176		10425	7989
2.326		3384	2456
2.388		831	1485
2.426		6133	5846
2.554		10000	53083
2.656		4612	3787
2.673		71069	73274
2.746	TCX	6605437	4477970
2.788		35721	23876
2.918		97788	75608
2.966		42521	20941
2.979		65195	34523
3.033		473487	343676
3.084		15092	9193
3.145		64375	46315
3.241		614250	690292
3.293		69010	44883
3.316		35066	21450
3.342		37687	21590
3.365		571905	435579
3.401		23448	14682
3.43		13666	6512
3.448		130292	75115
3.463		76216	38581
3.514		236823	131313
3.523		565744	269546
3.558		580490	445421
3.633		610972	434748
3.667		400764	273014
3.692		442460	270565
3.71		124663	68747
3.801		541359	396702
3.825		190841	111628
3.847		181079	120446
3.879		99664	54455
3.897		429434	304697
3.94		165025	138447
3.989		27828	20699
4.011		304364	203062
4.035		613425	422076
4.061		513623	387627
4.1		19866	11606
4.137		140641	122187
4.176		332974	274537
4.206		218833	148872
4.253		17939	14458
4.29		87473	75829
4.351		138690	121639

4.385		85444	63693
4.414		202987	170124
4.512		89787	108742
4.547		21636	17368
4.582		149487	135648
4.626		10456	7173
4.65		17464	12140
4.679		12612	10082
4.756		19021	18029
4.81		130844	114489
4.837		2227	1293
4.865		22681	17836
4.892		41031	38675
5.042		3870	3565
5.121		7947	5919
5.145		14879	12210
5.193		4889	4887
5.233		2608	1737
5.267		23338	19173
5.293		5332	3251
5.314		25816	22086
5.391		57509	60510
5.53		8183	7088
5.574		22860	25009
5.731		79572	73788
5.8		85881	81771
5.848		25234	24580
5.953		13352	14302
6.152		55820	50565
6.312	DCB	5161839	5109148
6.759		4033	3447
6.789		2628	2492
7.479		1556	726
8.174		1187	1175
8.614		4872	10345

AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608

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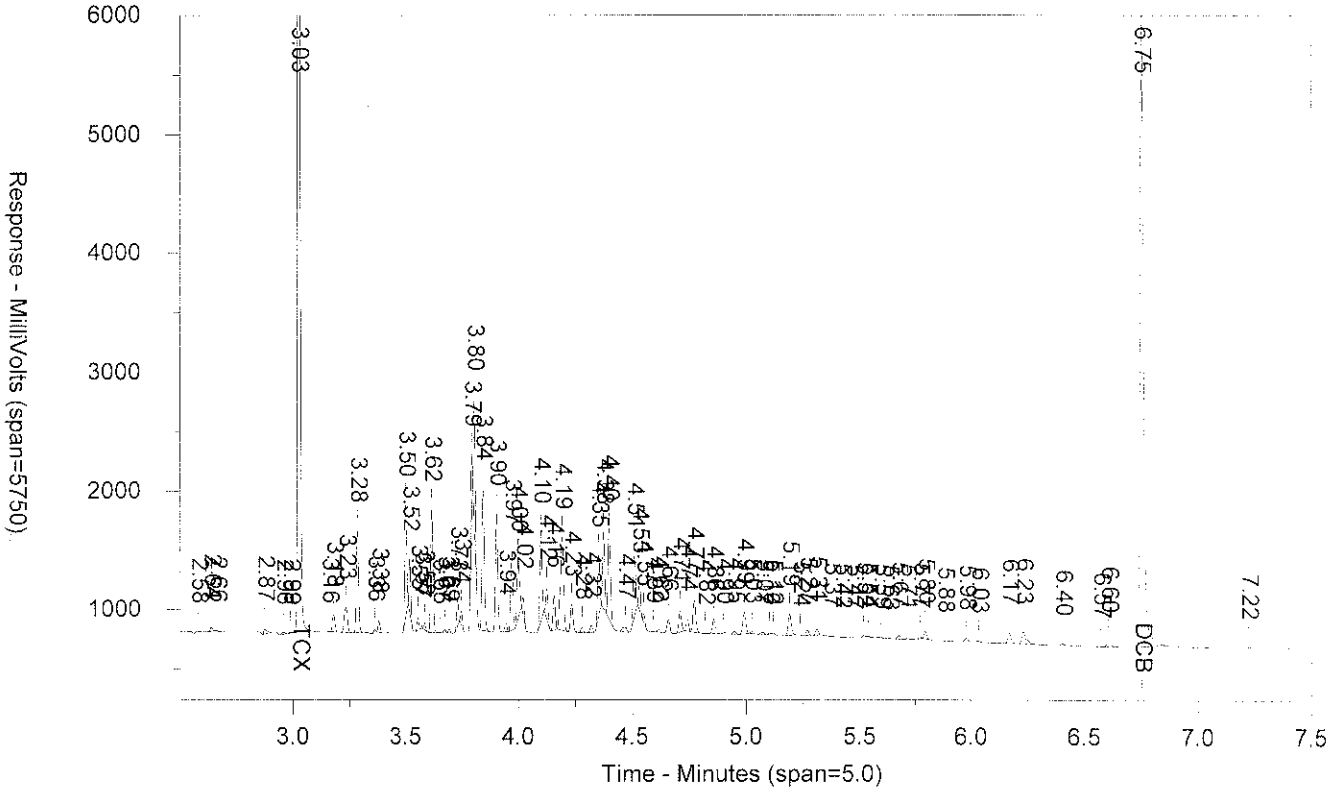

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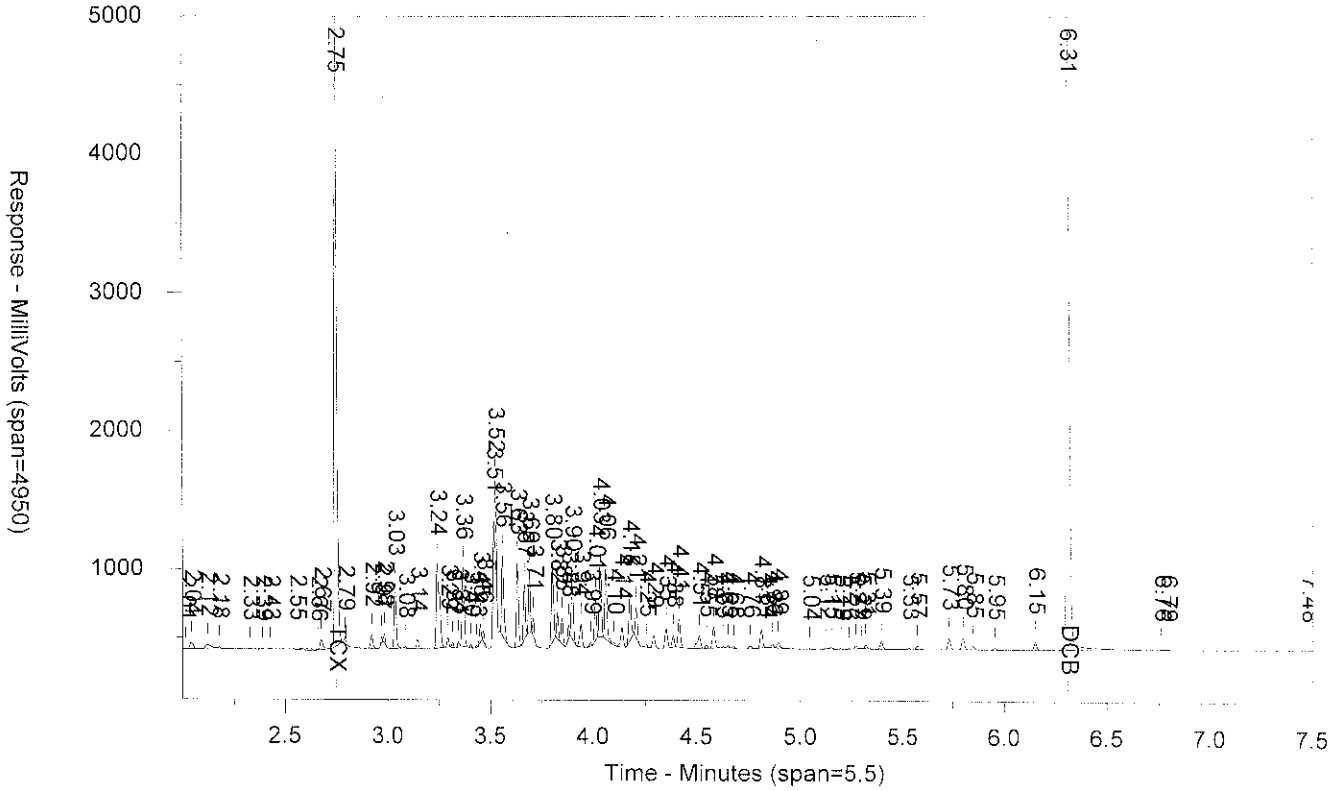

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:03:39 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	13665060	19.519	TCX	2.746	6605437	19.296	TCX
6.747	5361139	18.52	DCB	6.312	5161839	18.74	DCB

Files:
Area File: 07pcbs17299001.0027.RAW
Area File: 07pcbs17299001B.0027.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 3:12:24 AM
File Reported On: 10/29/2017 at 1:41:18 PM

AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608

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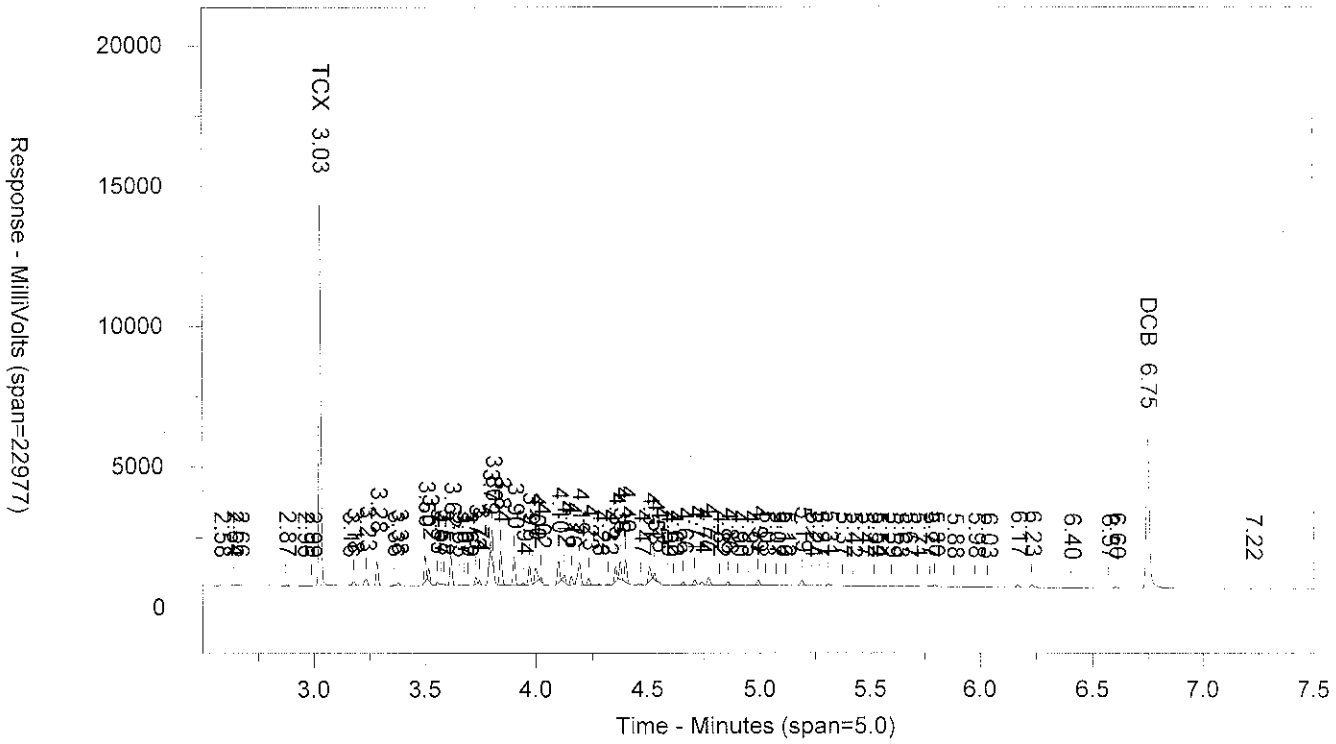

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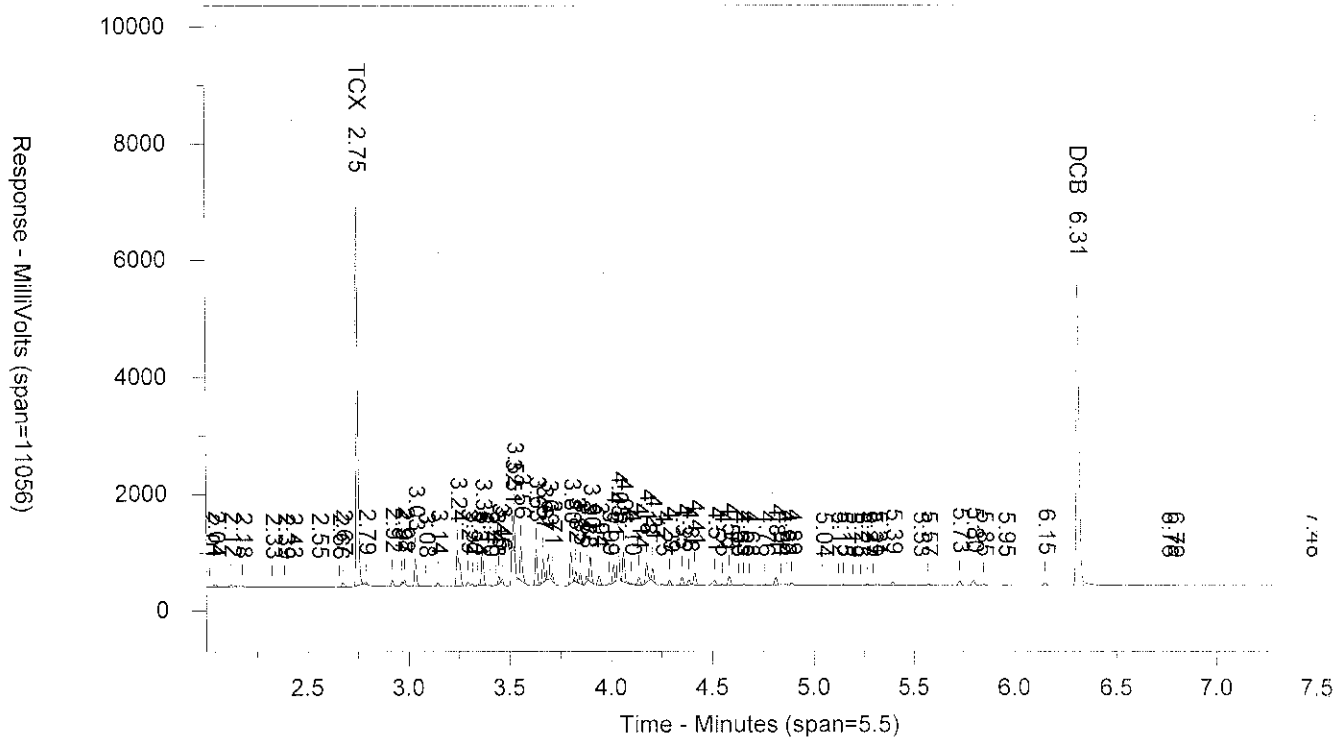

AR4231724B AAAR423AA ICAL 1729899999 06030 EPA 608

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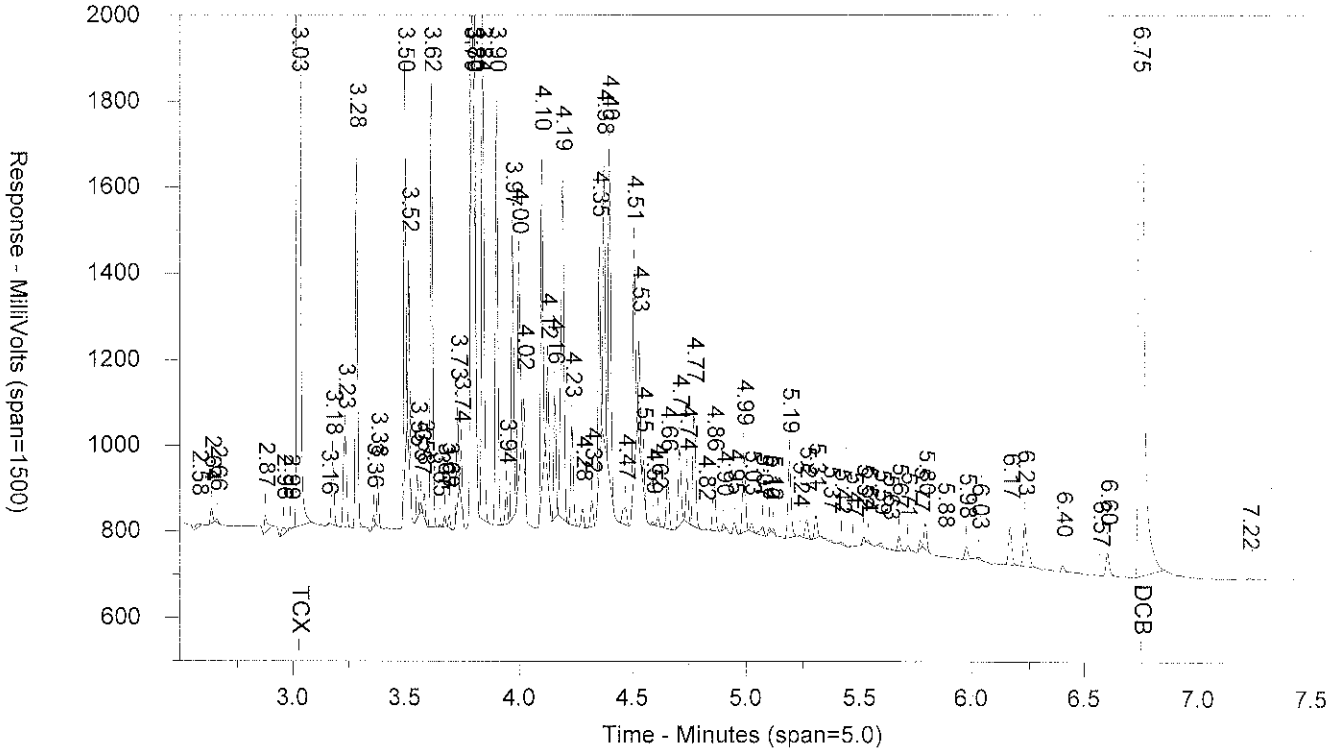

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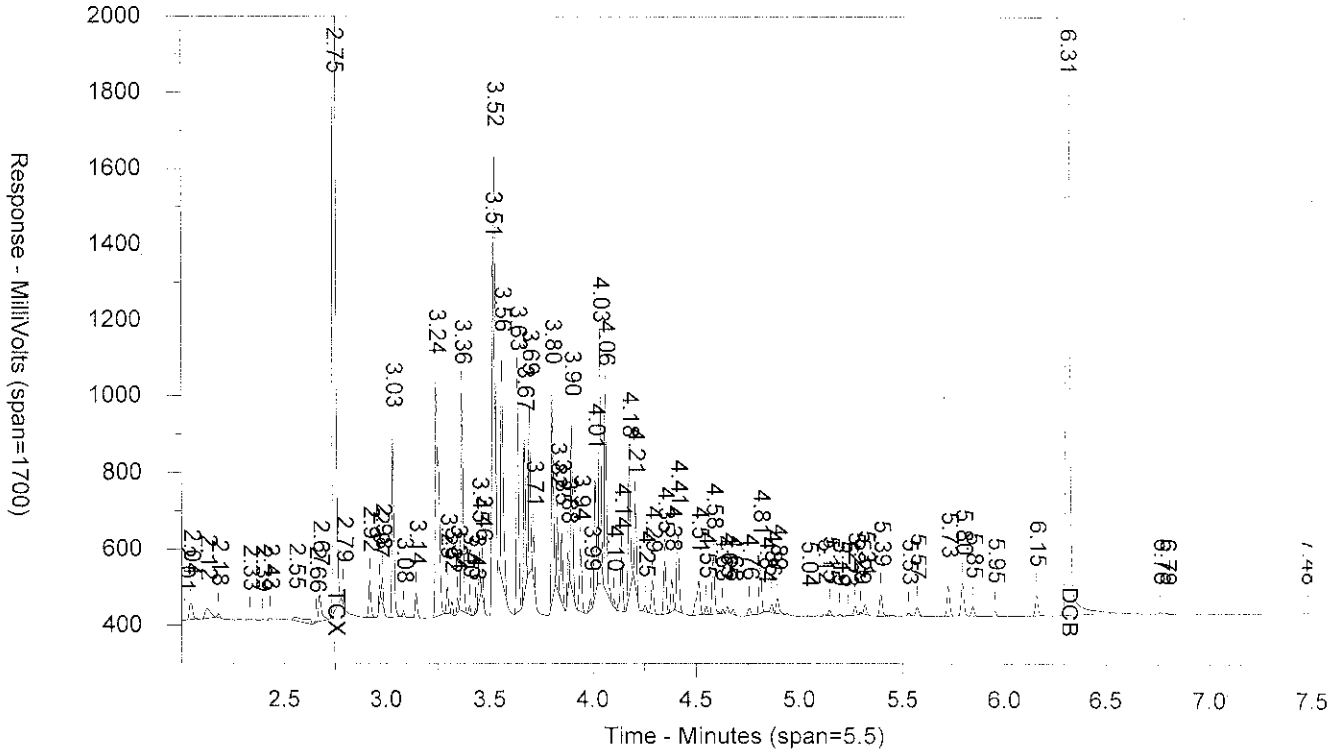

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:15:10 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0028.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.663		25770	88187
1.691		8086	5909
1.727		6952	4506
1.81		4419	3443
2.125		20069	39116
2.181		77705	157247
2.236		7646	5443
2.315		110738	73411
2.41		101513	67490
2.426		43707	28994
2.521		3496	2032
2.576		13403	18730
2.638		21282	14396
2.663		20386	12435
2.779		1616	2470
2.876		47302	56485
2.961		11999	13212
3.029	TCX	28711590	18236470
3.13		4598	2610
3.161		4679	2041
3.18		288687	237178
3.236		431272	431805
3.286		1785020	1172174
3.362		50854	28575
3.38		192237	120452
3.422		5932	4360
3.502		1887330	1103856
3.519		918401	485176
3.557		206791	118381
3.572		55666	21849
3.586		116852	59170
3.618		2157656	1513637
3.653		10453	5275
3.675		50912	30826
3.693		65494	38364
3.73		436856	261146
3.745		229446	120749
3.791		1089891	618072
3.803		2301497	1211569
3.842		2536425	1877433
3.903		2120456	1545202
3.944		155043	109510
3.972		1350010	966277
4		1037280	853725
4.023		307096	166915
4.101		1551531	1114826
4.126		544939	360185
4.157		582845	421612
4.193		1660225	1585491
4.235		477068	378942
4.281		90847	68774
4.323		128310	102680
4.356		1055790	730765

RT A	Compound A	Height A	Area A
4.377		1346917	863630
4.401		1649391	1206466
4.461		17041	11614
4.471		34176	18365
4.51		1068329	859800
4.532		535416	316488
4.551		140232	79505
4.591		13790	9564
4.616		47565	34047
4.659		238863	211427
4.712		360079	317556
4.744		210479	157789
4.774		551929	481829
4.822		6536	4171
4.86		246305	225496
4.901		39269	48995
4.95		54119	47160
4.992		367474	343506
5.027		39969	30854
5.074		37792	42859
5.103		27861	18681
5.12		20114	12368
5.152		4665	3625
5.192		371813	363222
5.237		9475	5702
5.268		92136	89071
5.31		99802	88110
5.331		6199	3102
5.374		5861	4246
5.417		8529	12975
5.455		1918	438
5.518		32520	25847
5.538		8036	4557
5.593		11806	13246
5.617		1431	722
5.674		67602	65222
5.715		22195	18891
5.741		3793	1824
5.773		14010	9655
5.797		140282	127221
5.978		25591	25825
6.024		5686	10058
6.103		1892	1510
6.166		186430	183636
6.231		197357	256154
6.403		11383	12188
6.47		1266	602
6.603		103877	111229
6.748	DCB	11107160	11788140
6.908		2466	1563
6.97		2193	1038
7.222		7390	7958
7.439		2063	2417
7.512		1556	470
7.605		1331	419
7.859		1531	708
8.181		1249	445
8.215		1216	497
8.294		2255	502
8.455		1320	311
8.655		1214	975

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:15:10 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0028.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.627		2316	10651
1.659		2547	2922
1.916		2565	8324
2.044		77183	109044
2.123		37391	66722
2.176		20789	16527
2.276		3903	3621
2.327		3152	2530
2.397		2459	4873
2.425		12444	10414
2.555		4309	7730
2.653		4899	2838
2.673		84597	89713
2.746	TCX	13742330	9363886
2.788		66463	47695
2.918		193801	149881
2.967		91040	44956
2.98		126115	67028
3.033		932123	674149
3.084		29947	19169
3.145		127303	92473
3.242		1195326	1344673
3.294		137242	90106
3.316		83447	55377
3.343		77724	44581
3.365		1143742	860201
3.402		47448	29451
3.43		27641	13320
3.448		272882	153259
3.464		142932	74519
3.515		474285	276138
3.525		1204600	573058
3.544		19757	5359
3.559		1162834	899305
3.634		1238088	880840
3.668		804418	531769
3.692		884003	532310
3.711		257951	138883
3.801		1030743	784901
3.826		373756	218760
3.847		350470	234222
3.879		198557	107787
3.897		850378	602244
3.941		327252	274654
3.99		58103	42597
4.012		608116	406245
4.035		1216543	850367
4.062		1078286	787339
4.101		41034	23751
4.139		283361	242431
4.176		670683	546055
4.206		471980	317759
4.255		38481	27476
4.291		169252	147662

4.326		3189	1668
4.351		285102	241540
4.385		165982	126558
4.414		418042	337658
4.513		175806	219175
4.548		45349	36080
4.582		306338	269666
4.628		23870	15973
4.651		36449	25352
4.68		25303	20402
4.757		44222	45087
4.811		263662	235215
4.865		49172	39888
4.893		79562	75647
4.942		7345	4820
4.965		4026	2788
5.042		4826	4265
5.089		5546	5363
5.122		8639	6265
5.146		29937	25501
5.192		8486	9592
5.233		3033	2234
5.268		47391	39312
5.294		11080	6919
5.315		18532	15877
5.391		115702	109818
5.531		6433	5635
5.574		17895	20035
5.732		160249	150114
5.8		181421	168884
5.849		46209	40642
5.953		10033	11933
6.153		106203	97793
6.184		2859	1944
6.313	DCB	10701310	10276650
6.759		8882	8015
6.791		2464	1751
8.616		4501	6831

AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608

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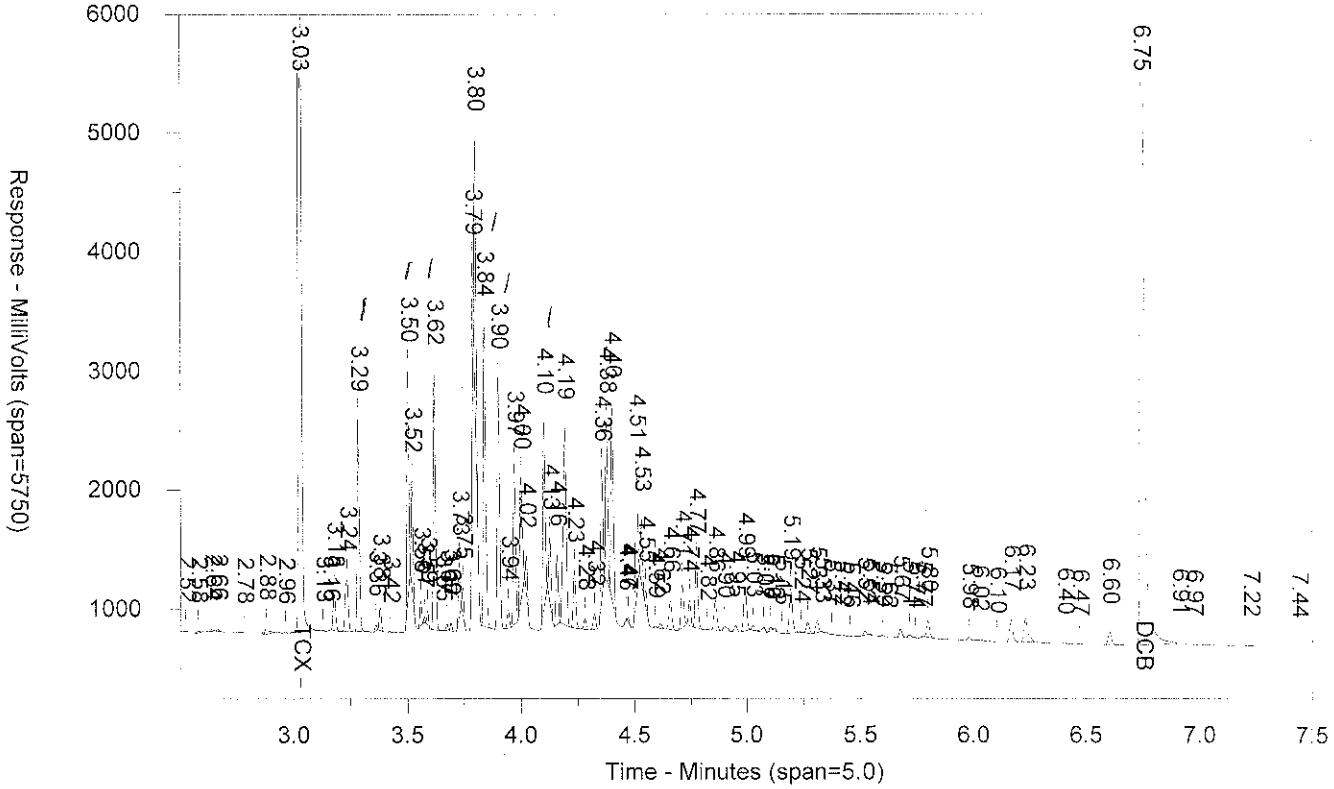

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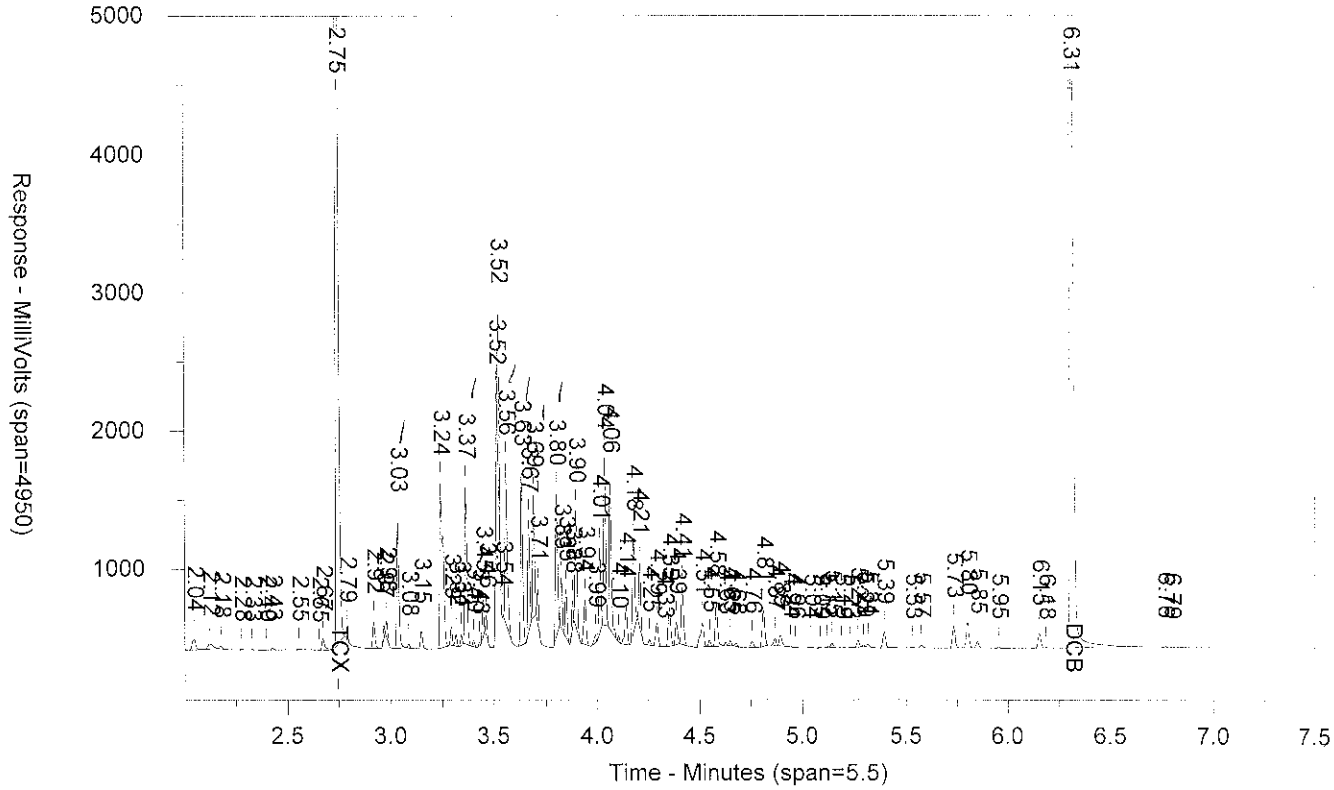

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:15:10 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	28711590	41.011	TCX	2.746	13742330	40.144	TCX
6.748	11107160	38.37	DCB	6.313	10701310	38.851	DCB

Files:
Area File: 07pcbs17299001.0028.RAW
Area File: 07pcbs17299001B.0028.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:07:40 AM
File Reported On: 10/29/2017 at 1:41:28 PM

AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608

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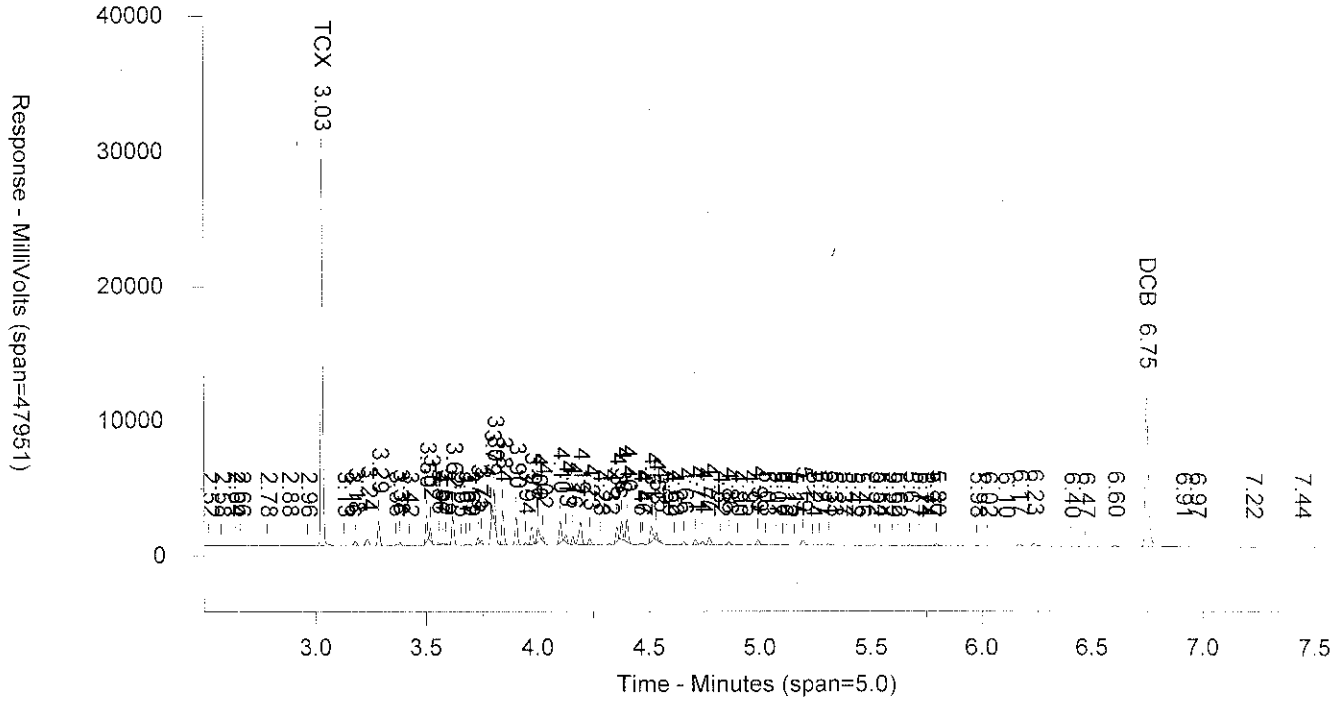

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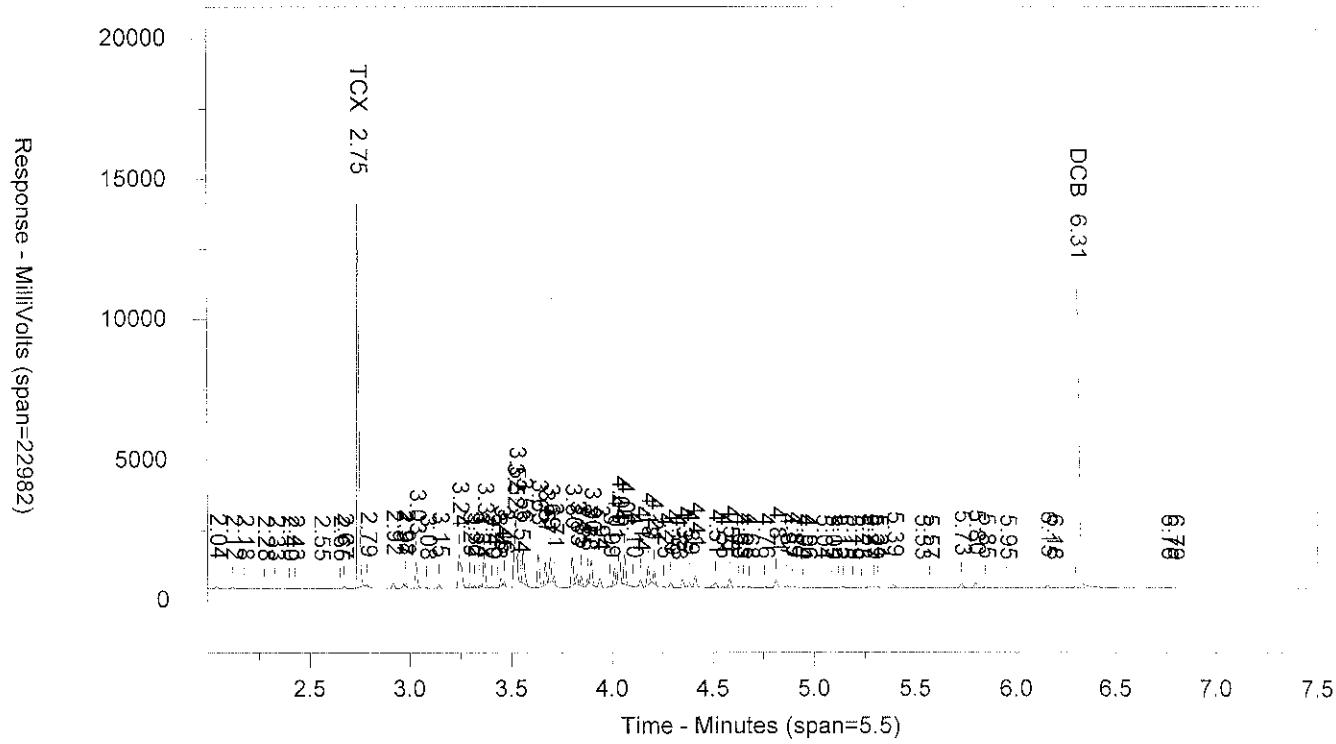

AR4241724A AAAR424AA ICAL 1729899999 06030 EPA 608

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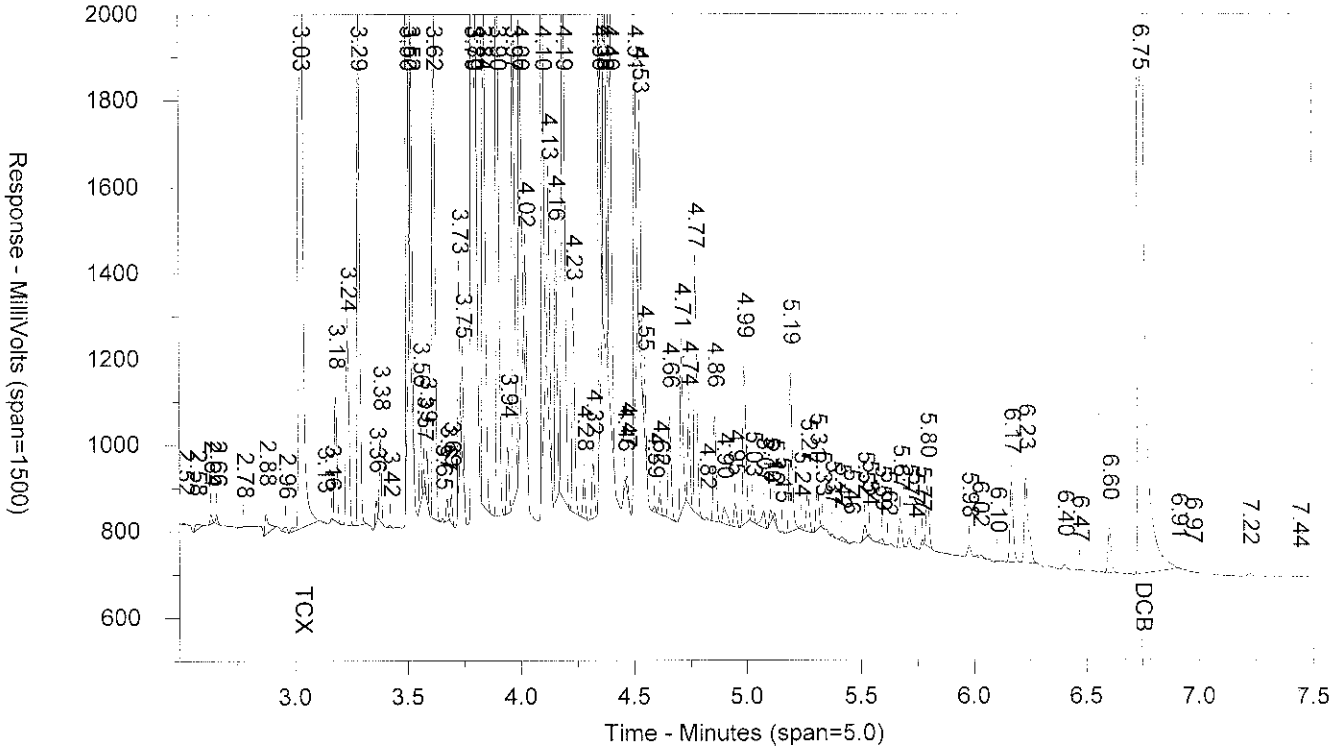

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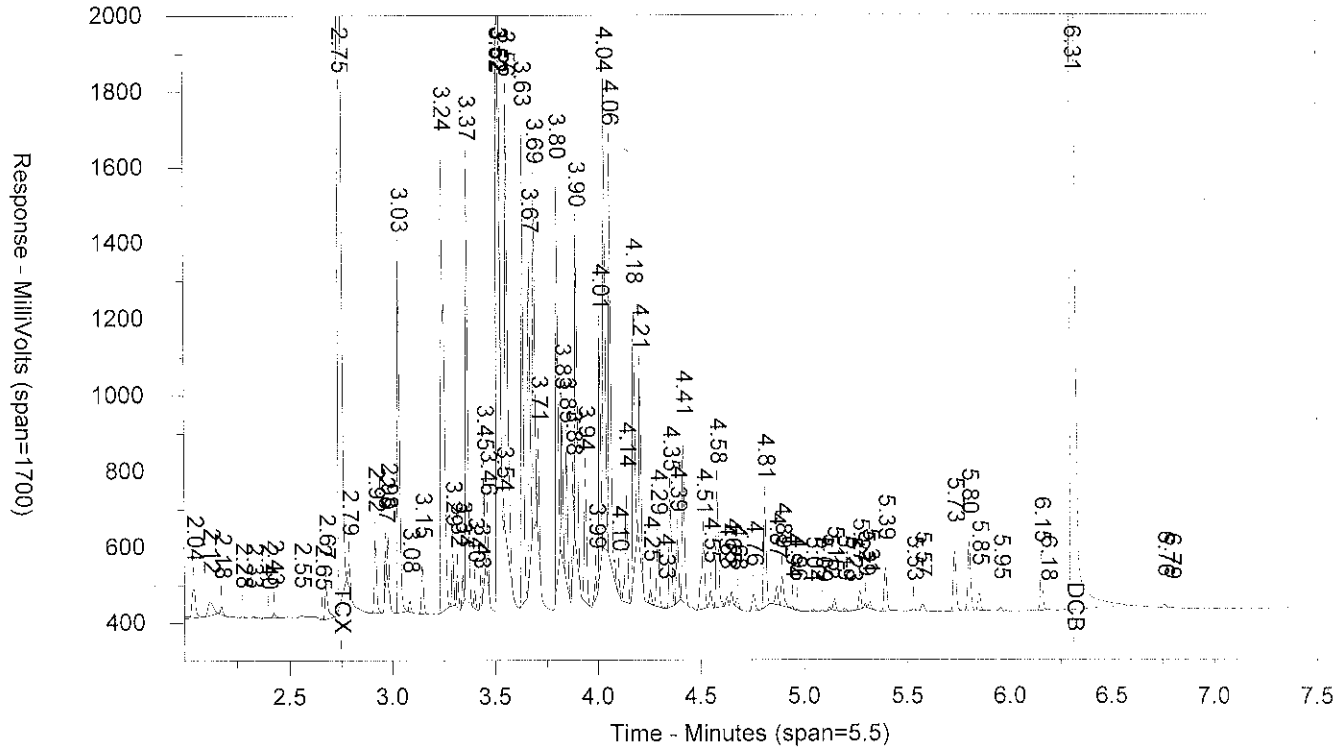

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:26:36 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: 07pcbs17299001.0029.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.656		8822	40329
1.726		4947	3195
1.808		3189	1681
2.047		2351	2697
2.125		26854	52713
2.182		52381	113802
2.216		22368	17216
2.237		4900	2428
2.315		160761	108225
2.41		57163	35633
2.426		61186	40399
2.463		4365	2833
2.519		3539	2442
2.577		16093	19041
2.62		2157	1410
2.638		17392	12234
2.662		49029	31833
2.813		2546	1951
2.875		28392	28689
3.028	TCX	40236660	26441720
3.13		8183	4372
3.16		17157	7875
3.18		745716	593621
3.236		956823	873372
3.285		4542531	3040913
3.361		66466	34965
3.379		498193	314025
3.419		13842	8652
3.501		4679099	2797189
3.518		2410082	1270535
3.555		527406	297080
3.571		133029	53134
3.585		301940	160743
3.617		5563192	3958537
3.652		25278	12537
3.673		70935	43413
3.692		185542	114443
3.729		1136957	676051
3.745		620290	313588
3.791		3314035	1798538
3.803		6295141	3243875
3.841		6580828	4978112
3.902		5612838	4149746
3.944		377295	271972
3.971		3596307	2532252
3.999		2806319	2287450
4.022		791819	440534
4.1		4206501	2978137
4.125		1490465	969068
4.156		1575478	1113742
4.192		4438354	4290638
4.233		1265910	1000248
4.28		236215	182243

RT A	Compound A	Height A	Area A
4.321		332162	264436
4.355		2884655	1963983
4.376		3676628	2396526
4.4		4527323	3356039
4.46		44412	29765
4.469		80829	46915
4.509		2946287	2371128
4.531		1557171	911261
4.55		361947	200637
4.59		38507	25919
4.614		122022	89915
4.658		591337	542170
4.71		938005	808346
4.743		558922	406302
4.773		1493808	1271755
4.82		10758	6383
4.859		640768	585622
4.9		93440	121876
4.949		144254	128150
4.991		993399	890053
5.025		56904	42653
5.074		95353	104022
5.103		66412	46183
5.118		43853	29893
5.154		5503	3220
5.192		967059	916091
5.237		24568	16114
5.267		138059	139463
5.31		252348	215879
5.33		14385	7409
5.349		16038	9120
5.417		10588	15638
5.517		79642	67312
5.537		13102	6717
5.591		13357	11625
5.616		2239	586
5.632		8206	7451
5.673		100680	94821
5.714		59625	50578
5.739		8452	5890
5.772		27355	18336
5.796		198998	178595
5.978		46883	45251
6.01		2017	766
6.021		1386	600
6.166		262942	260443
6.229		293297	391411
6.403		14019	13565
6.512		1764	426
6.571		2865	1745
6.602		148600	155686
6.702		2967	3170
6.748	DCB	16219640	17033470
7.038		1597	1251
7.221		11737	14006
7.511		1376	615
7.572		1715	689
7.655		1742	910
7.915		1454	425
7.942		1545	707
8.136		1462	679
8.389		1455	535
8.437		1360	410
8.486		1341	1205
8.549		1369	298
8.569		1312	446

RT A	Compound A	Height A	Area A
8.673		1156	705

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:26:36 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: 07pcbs17299001B.0029.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.611		1948	6325
1.926		8546	40774
2.006		2681	6027
2.047		88078	92969
2.124		19874	34829
2.176		30907	23408
2.328		4013	5879
2.397		1768	3477
2.425		29082	23987
2.559		4179	8122
2.656		2482	1616
2.673		45657	37178
2.746	TCX	19929750	13686720
2.788		172634	130427
2.918		462083	368179
2.967		91606	44118
2.979		359823	205890
3.033		2255502	1639693
3.084		41395	25679
3.145		305970	223998
3.242		2964042	3258542
3.294		335816	222557
3.316		160341	95303
3.342		201278	114729
3.365		2860440	2128314
3.402		115113	72913
3.43		30958	14863
3.448		673189	378135
3.464		363618	184905
3.515		1297629	660318
3.525		3160931	1606668
3.558		3144243	2491959
3.634		3250978	2273836
3.667		1947660	1331286
3.692		2244308	1347744
3.71		633240	340853
3.801		2717661	1991299
3.825		923533	546938
3.847		882229	588385
3.879		523448	285927
3.897		2275699	1570258
3.94		807991	680196
3.989		147971	105710
4.012		1565740	1046229
4.035		3254032	2215235
4.061		2828546	2057103
4.1		97145	53986
4.138		673330	592445
4.176		1716041	1398833
4.206		1262925	860685
4.254		88891	66499
4.29		413509	361651
4.35		702319	607602
4.385		419273	314688

4.414		1021316	833839
4.453		13765	11867
4.512		420703	533464
4.547		113140	90538
4.581		748753	672707
4.627		29710	18262
4.651		81098	56895
4.678		63871	51703
4.756		103398	106228
4.81		706724	637249
4.865		71843	69807
4.892		191800	188881
4.94		20210	13468
5.042		6239	10061
5.085		12590	10897
5.122		13336	9275
5.146		77335	64320
5.195		11661	12091
5.232		6035	4772
5.268		64627	55078
5.293		32936	21967
5.314		31154	26120
5.39		172283	159038
5.532		11974	12562
5.574		37182	40978
5.732		231795	212357
5.799		258586	239970
5.848		64519	58473
5.951		12722	11101
6.106		3493	3690
6.153		147136	137088
6.182		3234	2174
6.312	DCB	15218620	14498640
6.759		12467	10819
8.62		4661	8881

AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608

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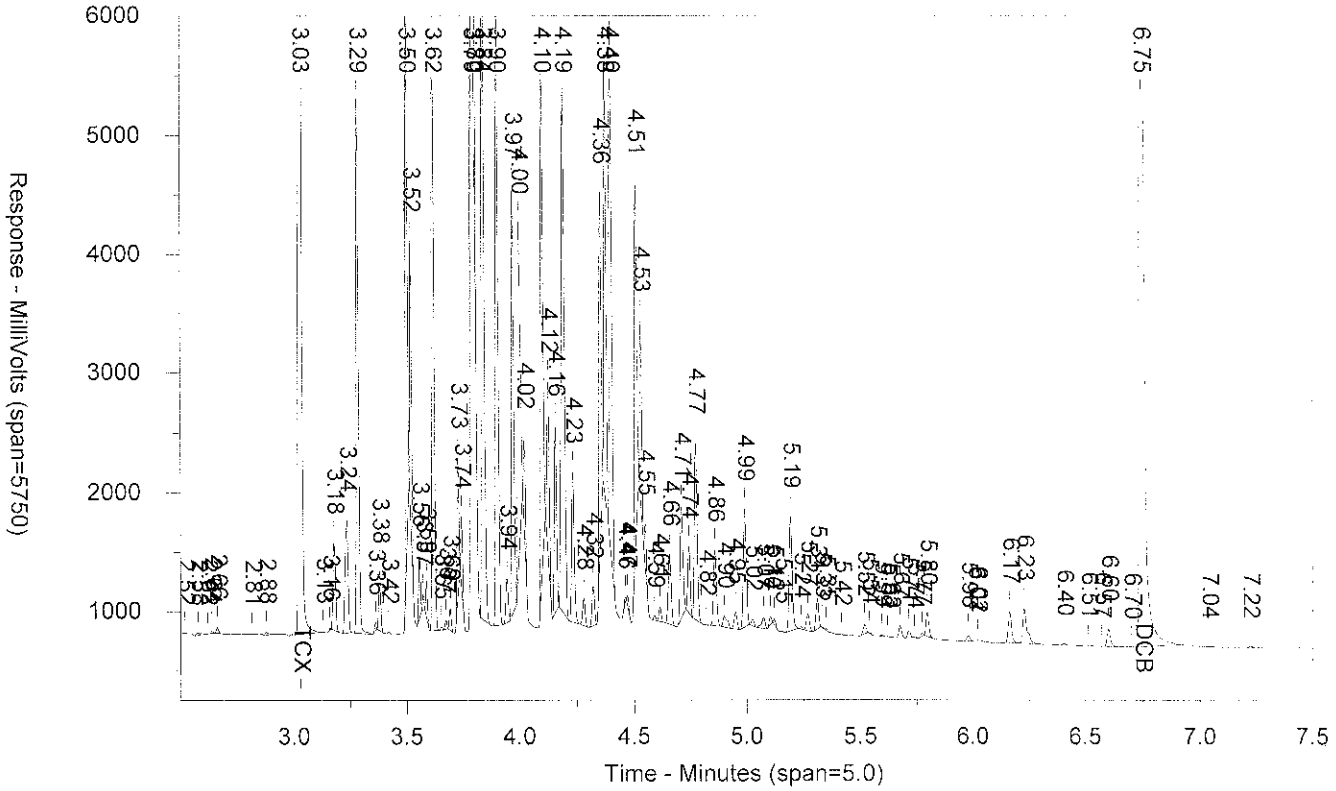

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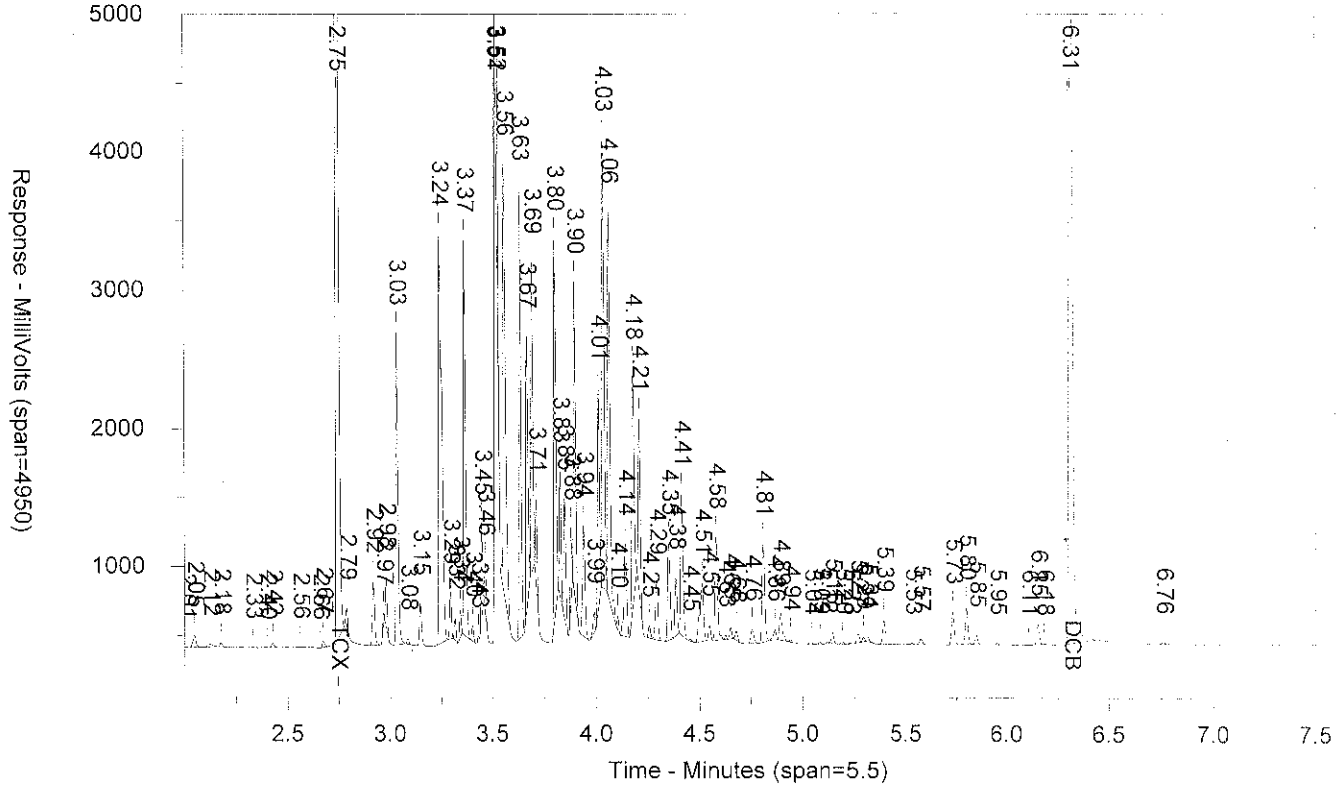

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:26:36 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
3.028	40236660	57.473	TCX	2.746	19929750	58.218	TCX
6.748	16219640	56.031	DCB	6.312	15218620	55.25	DCB

Files:
Area File: 07pcbs17299001.0029.RAW
Area File: 07pcbs17299001B.0029.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:07:41 AM
File Reported On: 10/29/2017 at 1:41:38 PM

AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608

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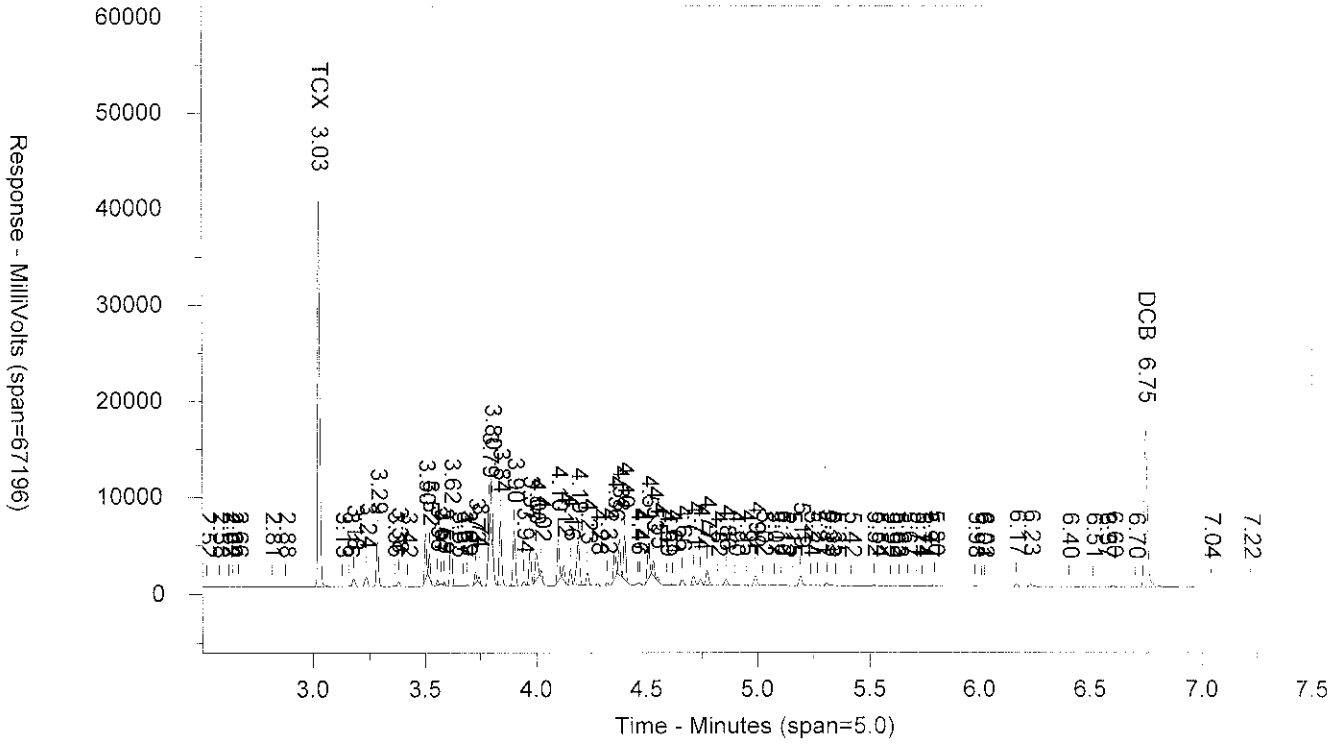

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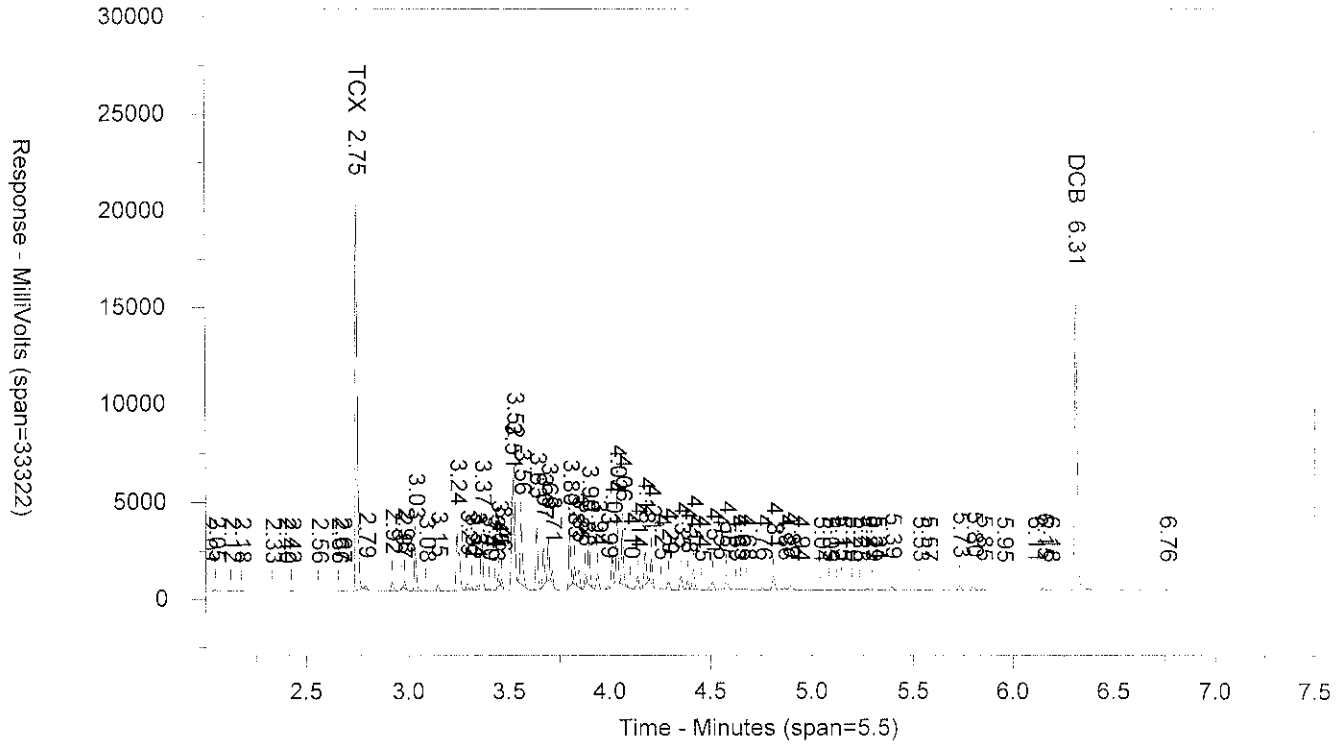

AR4251724A AAAR425AA ICAL 1729899999 06030 EPA 608

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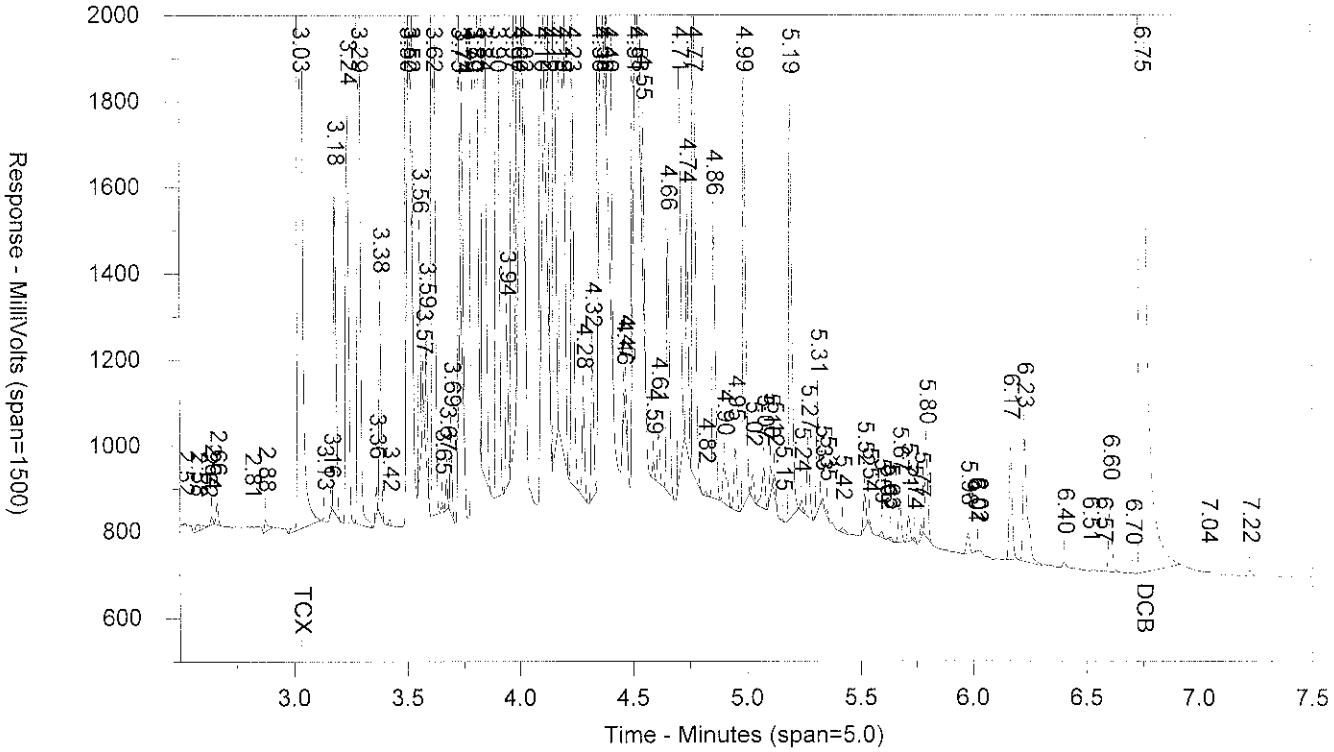

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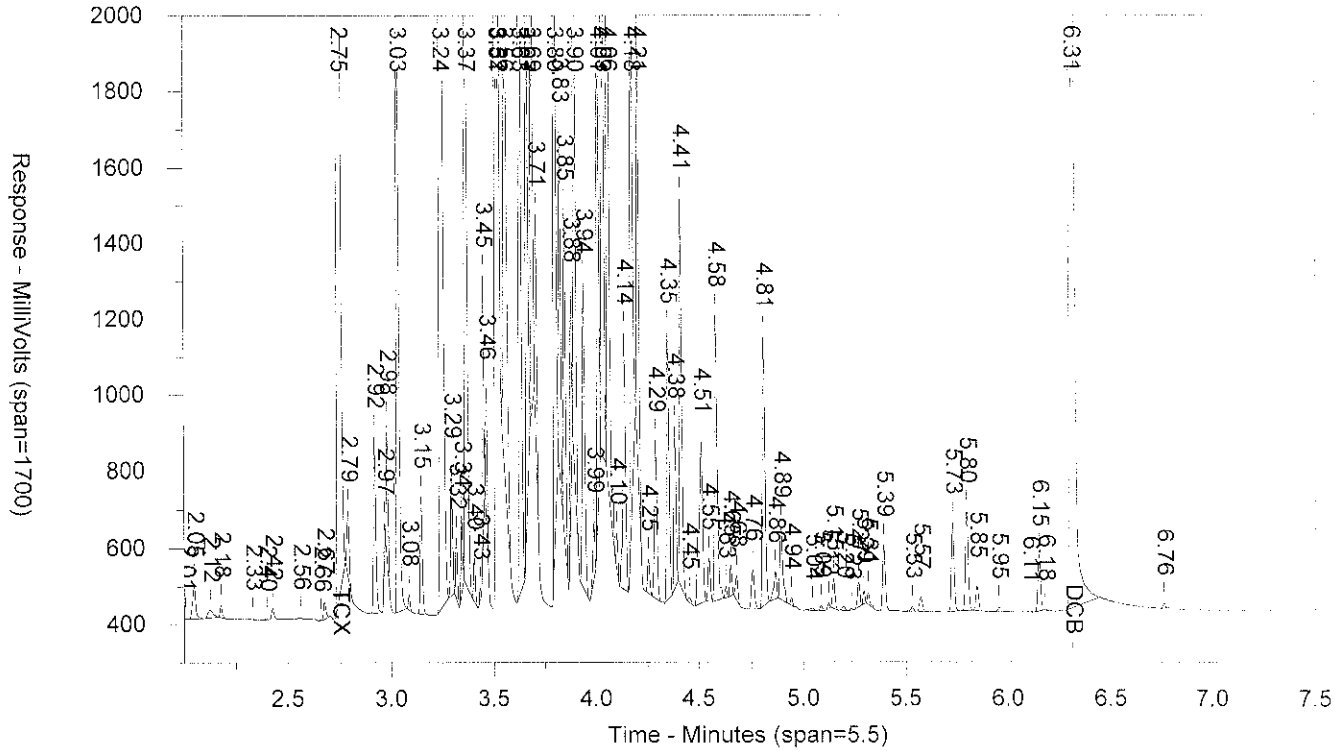

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:38:01 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0030.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.587		18416	58389
1.665		11280	67848
1.807		6252	10194
2.118		32728	63987
2.182		62890	134658
2.216		30625	20640
2.241		5692	4887
2.315		219345	160252
2.409		62508	39688
2.426		82656	55365
2.466		5766	6236
2.572		16251	16639
2.638		12656	8356
2.662		91912	60663
2.812		2154	1074
2.875		29810	20782
2.942		10980	6653
2.99		6788	7197
3.028	TCX	54451780	35597640
3.13		10168	5414
3.16		51861	23807
3.179		1375369	1083058
3.236		1795424	1478790
3.284		8203020	5567378
3.361		82945	43257
3.379		916839	589117
3.419		25209	16174
3.501		8430226	5092816
3.518		4580394	2400259
3.555		997164	566460
3.571		252156	101832
3.585		579605	295437
3.617		10438080	7361392
3.652		48522	24038
3.673		105122	65947
3.692		336348	214637
3.728		2212135	1300909
3.745		1134619	597070
3.79		6388876	3310436
3.802		12594520	6267109
3.841		12835760	9471743
3.902		10868820	7956213
3.943		721344	506272
3.971		6833726	4810719
3.999		5179944	4367346
4.022		1663516	869337
4.1		8045986	5639485
4.124		2815114	1892233
4.156		3071456	2163533
4.192		8773879	8307746
4.233		2425919	1913260
4.28		433945	342332
4.322		635369	498563

RT A	Compound A	Height A	Area A
4.356		5528504	3719345
4.376		6873231	4571082
4.4		9054464	6556090
4.46		73510	57040
4.47		161122	89012
4.509		5661179	4570121
4.531		3199085	1898439
4.549		687865	384128
4.591		71441	47409
4.614		227512	165230
4.635		5029	1482
4.658		1167871	1019463
4.711		1790257	1546810
4.743		1049377	782124
4.773		2902855	2475382
4.821		24256	14023
4.859		1249754	1131990
4.9		173521	231028
4.949		272582	244749
4.991		1903422	1732562
5.025		75918	56935
5.073		187688	202430
5.102		132288	93275
5.119		89793	59450
5.152		9251	6561
5.192		1904756	1783989
5.237		51070	37822
5.266		197406	198303
5.309		457593	397819
5.331		34017	15704
5.349		22295	13887
5.371		10259	7895
5.415		13741	18197
5.453		2253	1571
5.517		159181	131944
5.536		19775	13286
5.591		14955	11587
5.632		14715	16241
5.673		134687	124613
5.714		105209	90969
5.739		17393	12855
5.773		39841	27609
5.796		261874	233489
5.978		77491	74792
6.021		15359	29320
6.166		338411	348432
6.23		401950	515026
6.403		36892	35411
6.476		4761	4018
6.529		4175	3830
6.572		3642	2947
6.603		204949	213572
6.749	DCB	22794710	23322840
7.021		1389	430
7.077		1989	1511
7.225		16537	21787
7.306		1456	527
7.442		2195	1366
7.722		1005	296
7.778		1603	422
7.809		1285	460
7.924		1771	439
8.173		1432	483
8.351		1236	481
8.471		1256	729
8.644		1449	359

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:38:01 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0030.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.628		2070	10769
1.747		1758	2042
1.911		9687	44255
2.003		2905	6984
2.047		114013	119575
2.123		24895	46092
2.176		42273	33498
2.272		3621	3769
2.326		2803	2424
2.395		2146	4763
2.425		55742	43608
2.673		53749	43030
2.701		10365	6407
2.746	TCX	27639630	18709870
2.788		309669	245201
2.918		844838	664313
2.967		95132	46844
2.979		664920	402515
3.032		4190411	2948793
3.084		56036	33400
3.145		539297	404387
3.242		5281649	5886149
3.293		597736	403292
3.315		283821	170552
3.341		365705	213708
3.365		5204355	3891560
3.401		207554	130009
3.43		40173	19120
3.448		1254696	711176
3.463		669642	339859
3.514		1949234	1142852
3.524		6208785	3097985
3.558		5782068	4354251
3.633		6125478	4294732
3.667		3719192	2439048
3.691		4099894	2508041
3.71		1179474	645539
3.801		5110412	3709988
3.825		1740177	1008814
3.847		1626126	1087668
3.878		920069	500546
3.896		4372104	2971431
3.94		1483721	1253803
3.989		259028	192652
4.011		3038362	2010512
4.035		6159334	4228094
4.061		5502634	3722163
4.081		121249	50735
4.101		180918	102470
4.137		1213489	1089476
4.176		3381408	2652908
4.206		2480164	1699788
4.254		158382	121571
4.29		772103	655997

4.35		1341380	1128490
4.384		775785	583320
4.413		1916589	1556543
4.452		22827	21568
4.497		78603	56147
4.512		580001	431904
4.547		205877	163811
4.581		1432977	1248137
4.627		30950	19086
4.651		144304	101774
4.678		115902	92878
4.756		184537	187026
4.81		1351581	1195928
4.865		91898	95122
4.892		354120	362080
4.94		37105	26069
4.965		7011	4066
5.041		10457	13270
5.086		23146	20274
5.121		18663	13162
5.145		136369	120168
5.193		16073	18136
5.231		9504	7458
5.268		81542	67300
5.292		63635	43917
5.314		37295	24596
5.39		224140	217380
5.53		18929	16892
5.574		64918	74079
5.731		300056	280608
5.799		340424	316643
5.848		87897	81762
5.953		33130	29321
5.986		2759	2774
6.106		4538	3888
6.153		205343	186660
6.186		5116	3121
6.275		2130	1639
6.313	DCB	20758400	20071450
6.76		16333	15159
7.554		1458	1923
8.62		4541	9680

AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608

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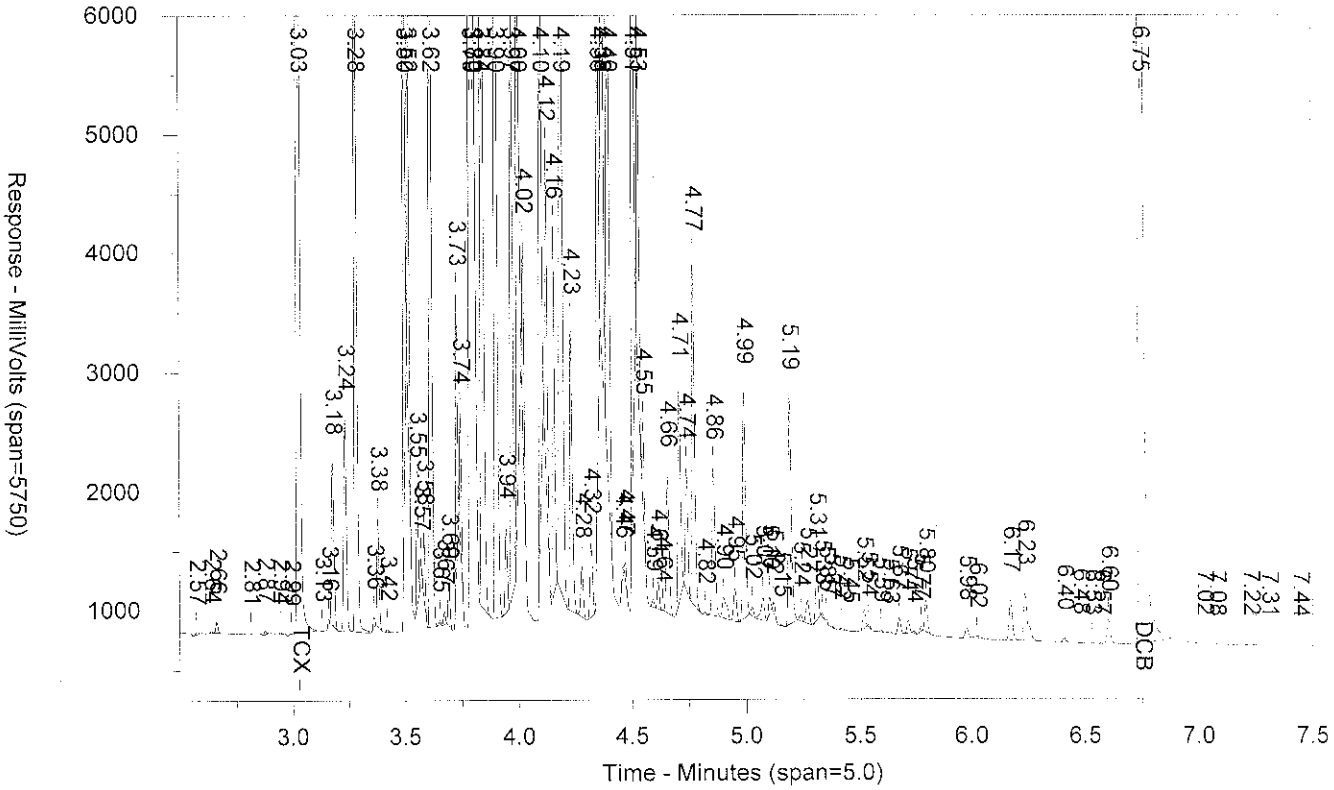

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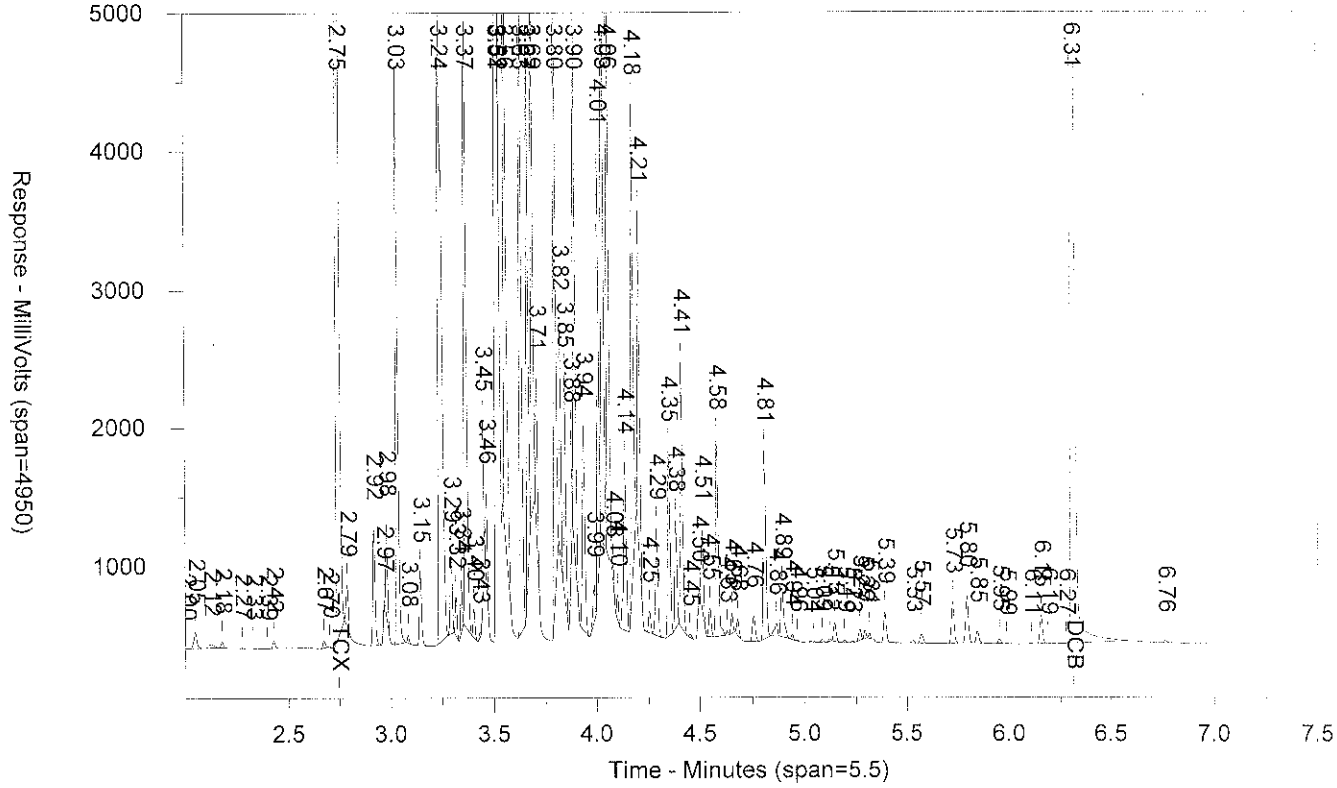

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:38:01 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	54451780	77.778	TCX	2.746	27639630	80.74	TCX
6.749	22794710	78.744	DCB	6.313	20758400	75.362	DCB

Files:
Area File: 07pcbs17299001.0030.RAW
Area File: 07pcbs17299001B.0030.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:07:41 AM
File Reported On: 10/29/2017 at 1:41:48 PM

AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608

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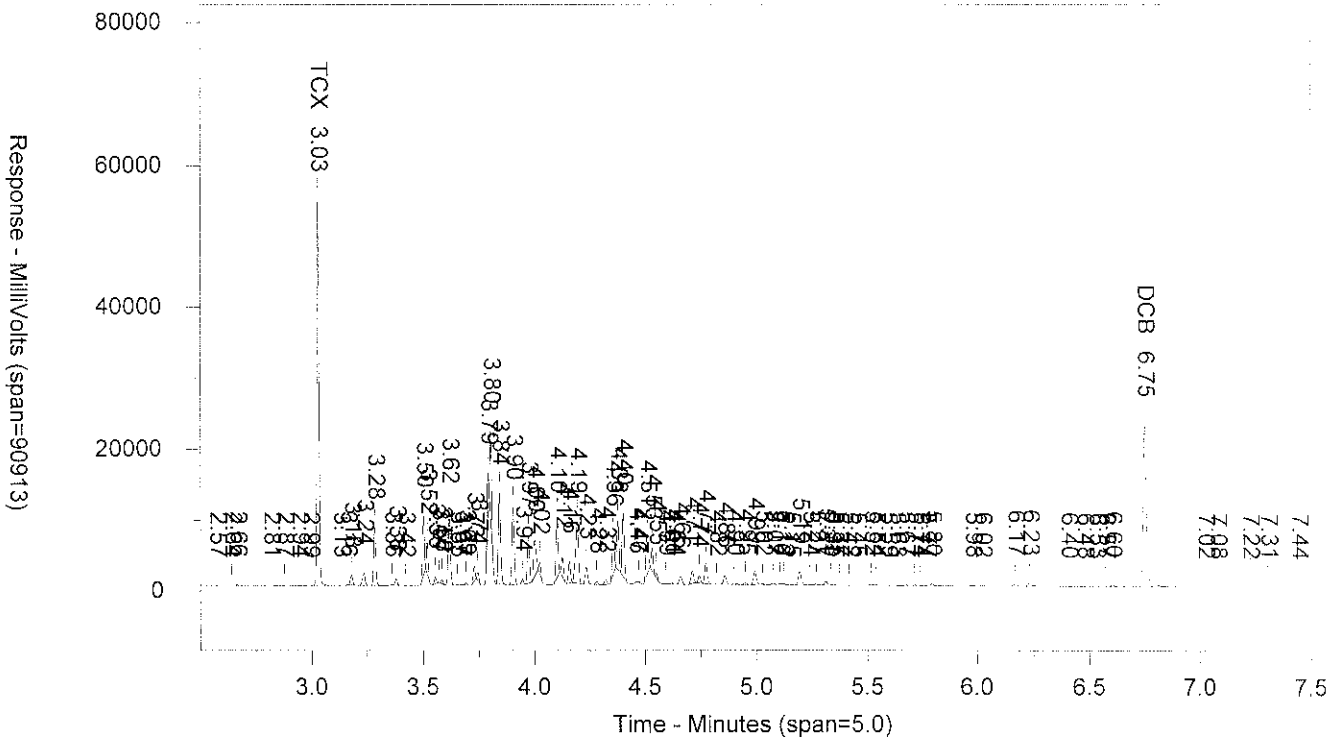

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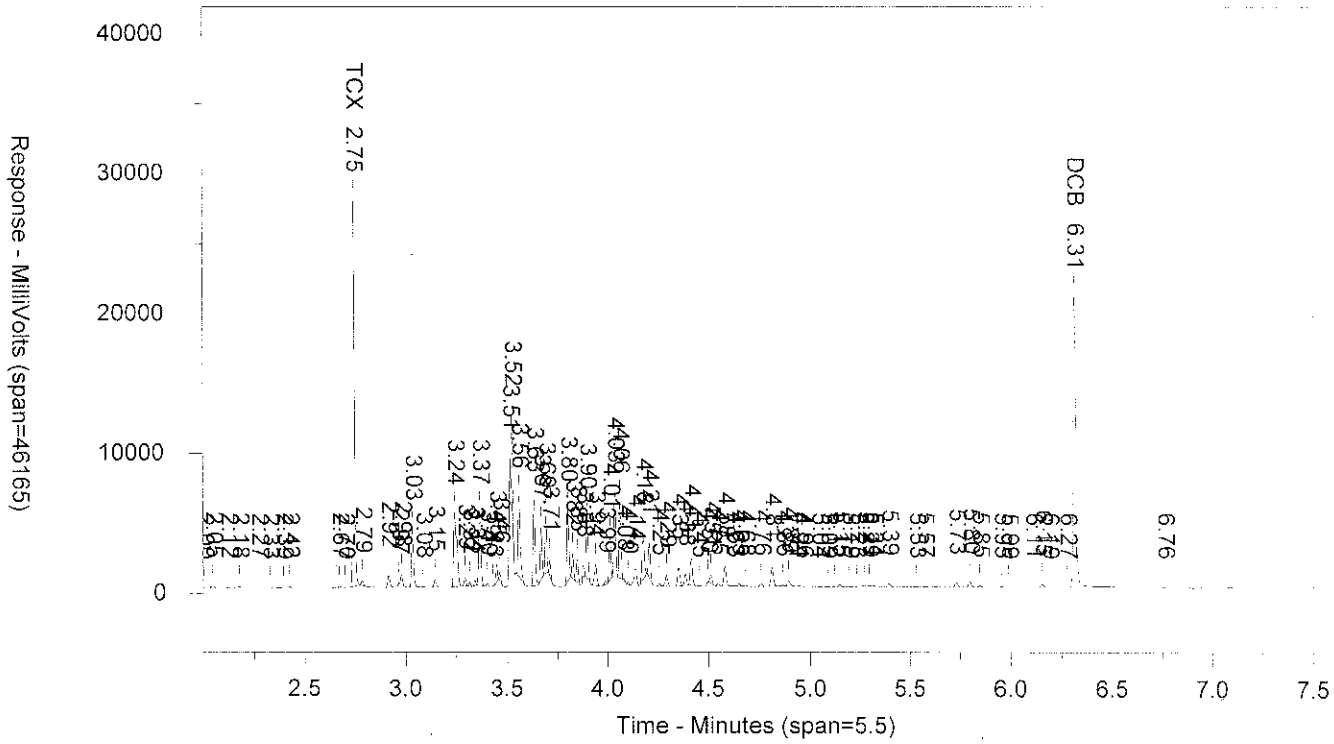

AR4261724A AAAR426AA ICAL 1729899999 06030 EPA 608

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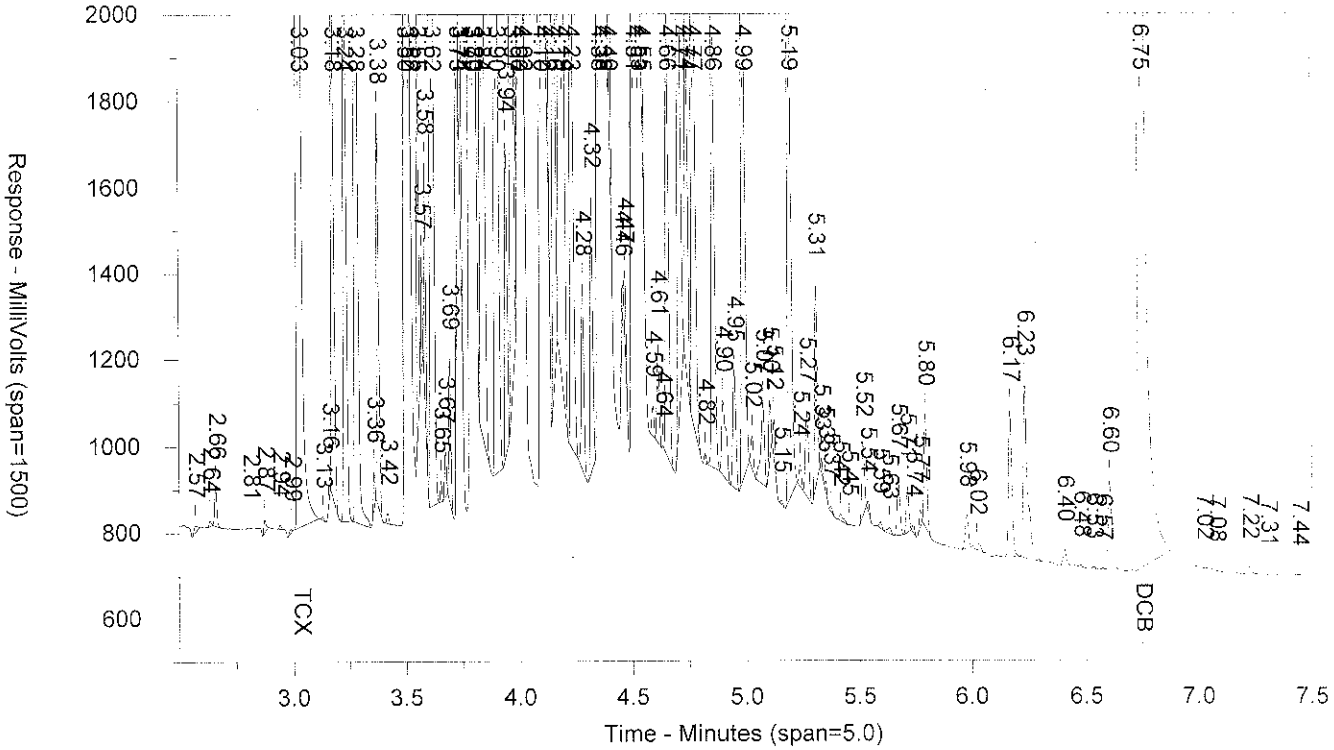

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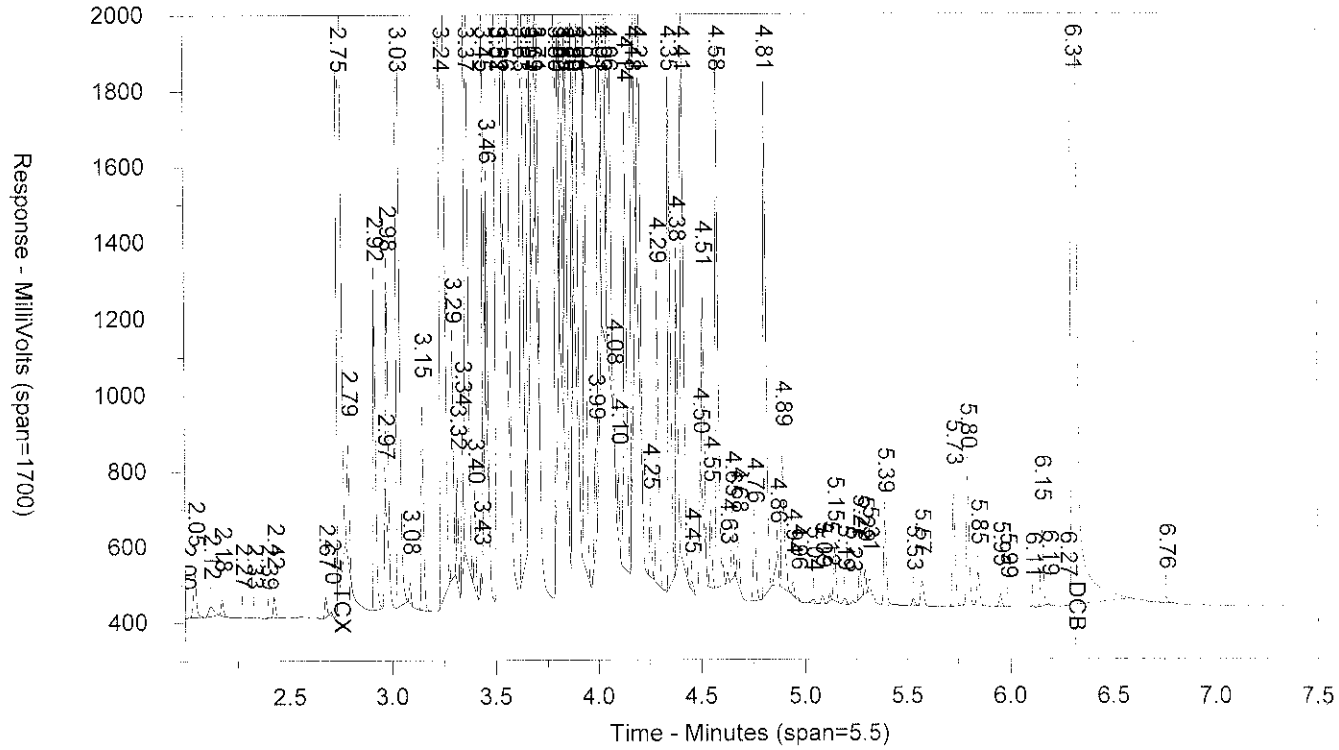

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:49:28 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: 07pcbs17299001.0031.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.68		7365	107472
1.809		4076	2517
2.133		38929	134788
2.182		82001	172291
2.232		6194	4984
2.3		5919	5827
2.371		11338	9977
2.41		89208	56903
2.462		5431	5178
2.587		8518	24699
2.638		12881	11369
2.681		22750	15141
2.779		5376	2601
2.875		40534	29932
2.959		21084	22020
3.005		12711	28446
3.025	TCX	6292	5127
3.055		3599	3221
3.179		8891	7009
3.236		11292	7277
3.263		7858	3892
3.285		59764	38981
3.382		15682	39141
3.501		74354	42923
3.518		30168	16278
3.554		7617	4327
3.572		3759	1775
3.599		7113	3595
3.617		77017	49781
3.7		5036	3702
3.729		17457	10640
3.744		8948	4850
3.791		43025	23392
3.803		76963	38948
3.841		103906	75137
3.863		5902	2996
3.882		901	158
3.902		83622	61487
3.929		13195	12120
3.971		89057	63265
4		12250	9045
4.043		14939	17095
4.1		85422	64022
4.124		14471	8318
4.157		21519	14670
4.192		63496	70350
4.233		18980	15173
4.28		6019	4724
4.319		14828	11224
4.356		478619	392276
4.376		38302	18199
4.4		60139	47062
4.471		34604	22115

RT A	Compound A	Height A	Area A
4.492		70798	40931
4.515		540700	451559
4.55		41417	27978
4.591		13170	9077
4.619		44537	39988
4.655		169109	158692
4.728		443073	518694
4.773		261218	229937
4.821		1871569	1876395
4.859		292720	212418
4.9		3056660	2811653
4.942		40366	33276
4.99		171981	182072
5.024		24689	16294
5.049		338752	294846
5.102		3243663	3485293
5.153		1596351	1452084
5.194		1133259	911380
5.211		103027	64729
5.242		104053	79969
5.274		140459	111183
5.307		2958983	2668583
5.329		27146	13616
5.349		53517	24835
5.372		4724590	4306324
5.415		2020160	1865395
5.509		721923	563212
5.535		3973952	3935217
5.593		1572352	1334486
5.617		72683	42187
5.633		393911	270293
5.676		158602	154563
5.717		581167	560407
5.772		8229150	9409379
5.976		5157104	5019533
6.031		2411405	3724159
6.164		219891	212179
6.249		1155397	1352164
6.402		2628294	2612688
6.446		108564	94214
6.602		930344	1010112
6.747	DCB	46826	51584
6.907		1158	870
6.964		1760	440
7.047		4075	5815
7.312		1214	619
7.555		1669	661
7.69		1149	615
7.909		1152	412
8.322		1106	600
8.39		1369	333
8.527		989	628
8.548		1103	365
8.583		1219	406

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:49:28 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: 07pcbs17299001B.0031.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.662		5312	35681
1.908		3179	8701
2.01		3358	9977
2.039		51034	45306
2.125		37109	77462
2.392		5411	17619
2.47		11729	13334
2.554		2517	4533
2.655		2997	1764
2.673		83515	89560
2.729	TCX	6458	10850
2.774		5098	6743
2.919		2622	3643
2.98		6786	5754
3.032		30073	19080
3.057		4009	2989
3.115		3846	3193
3.146		5031	3652
3.242		53201	59778
3.294		4885	3214
3.318		34463	26298
3.365		53006	47852
3.403		7611	5279
3.448		9951	6109
3.463		9250	4927
3.514		23545	11326
3.524		42424	19063
3.559		49223	41002
3.586		4934	5103
3.634		54304	45429
3.667		57075	38333
3.691		54288	33883
3.718		9675	9571
3.753		9182	5832
3.801		51250	35914
3.824		18639	11417
3.846		13056	9012
3.878		10948	6140
3.896		34688	25960
3.939		14365	13073
3.988		17720	18701
4.014		9233	6392
4.034		365260	282542
4.061		33199	19830
4.082		6193	2907
4.101		37852	25469
4.138		417664	341214
4.174		39420	28757
4.201		74892	67763
4.24		42484	38152
4.282		84273	103043
4.325		4937	2735
4.35		84115	67432
4.395		264525	186340

4.427		1210991	977061
4.456		282828	292321
4.509		2183939	1850128
4.552		32393	27240
4.581		68939	48741
4.606		315203	244512
4.65		2408322	2169043
4.76		2172834	2098010
4.815		379158	350937
4.855		678613	605209
4.891		1450038	1330759
4.925		3260278	2778773
4.964		1449413	1270249
5.069		645962	590801
5.121		3276559	3097036
5.195		1312288	1390516
5.232		393847	308933
5.259		355462	309139
5.314		6684280	6130622
5.355		77548	59647
5.39		417828	377182
5.507		78588	52572
5.53		2507842	2230203
5.578		4313934	4739390
5.731		194474	181403
5.774		29444	21302
5.799		128573	110815
5.848		958900	900042
5.952		2457906	2135798
5.984		96117	73656
6.153		907830	899857
6.312	DCB	48142	49407
6.486		2823	2482
8.613		4197	8242

AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608

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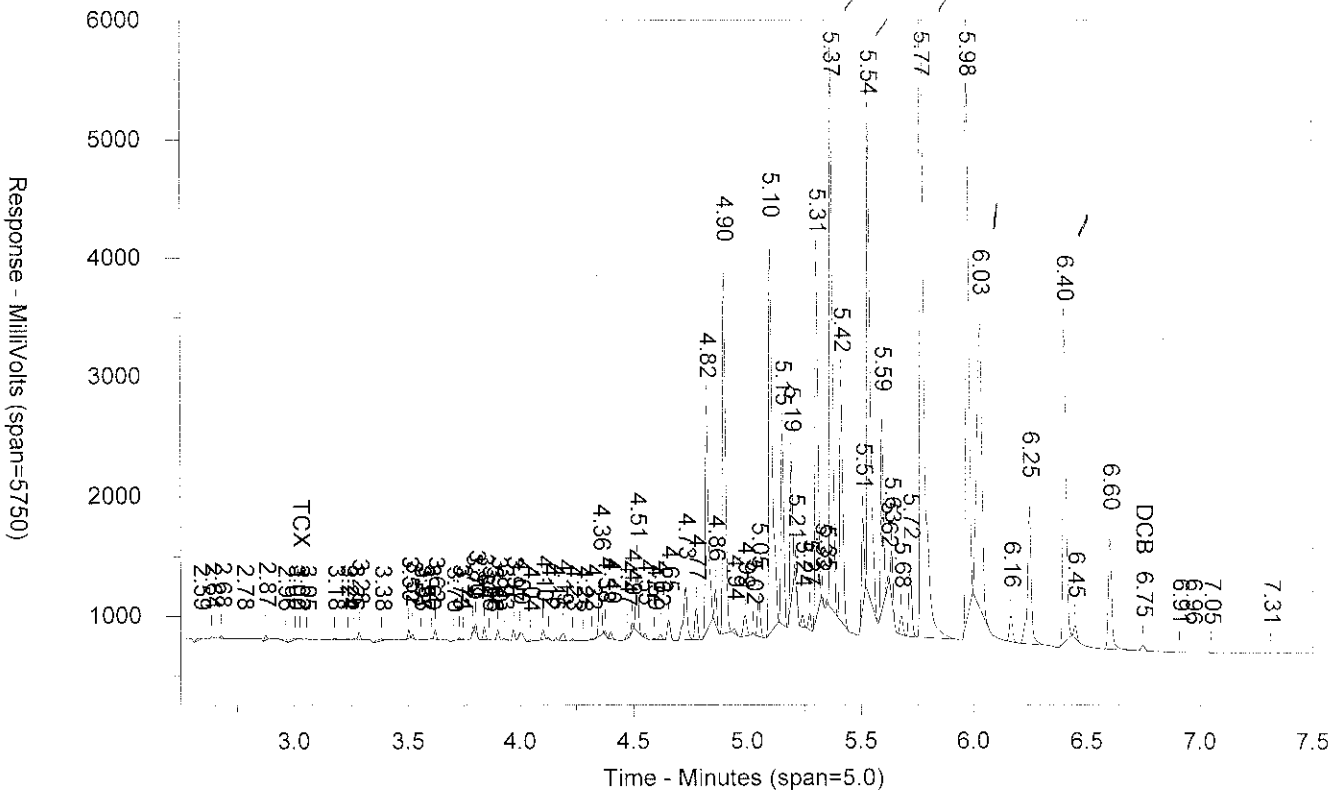

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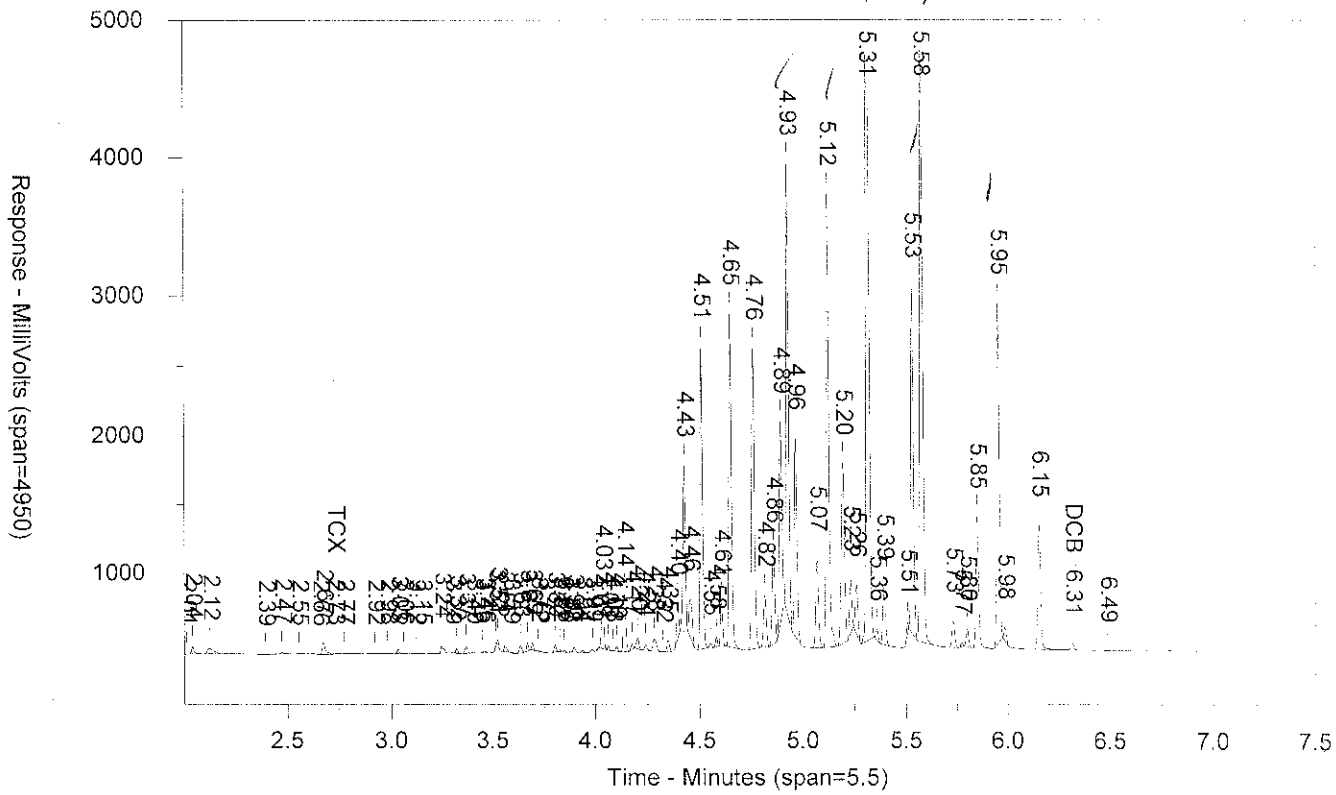

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 3:49:28 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.025	6292	.009	TCX	2.729	6458	.019	TCX
6.747	46826	.162	DCB	6.312	48142	.175	DCB

Files:
Area File: 07pcbs17299001.0031.RAW
Area File: 07pcbs17299001B.0031.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:07:41 AM
File Reported On: 10/29/2017 at 1:41:58 PM

AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608

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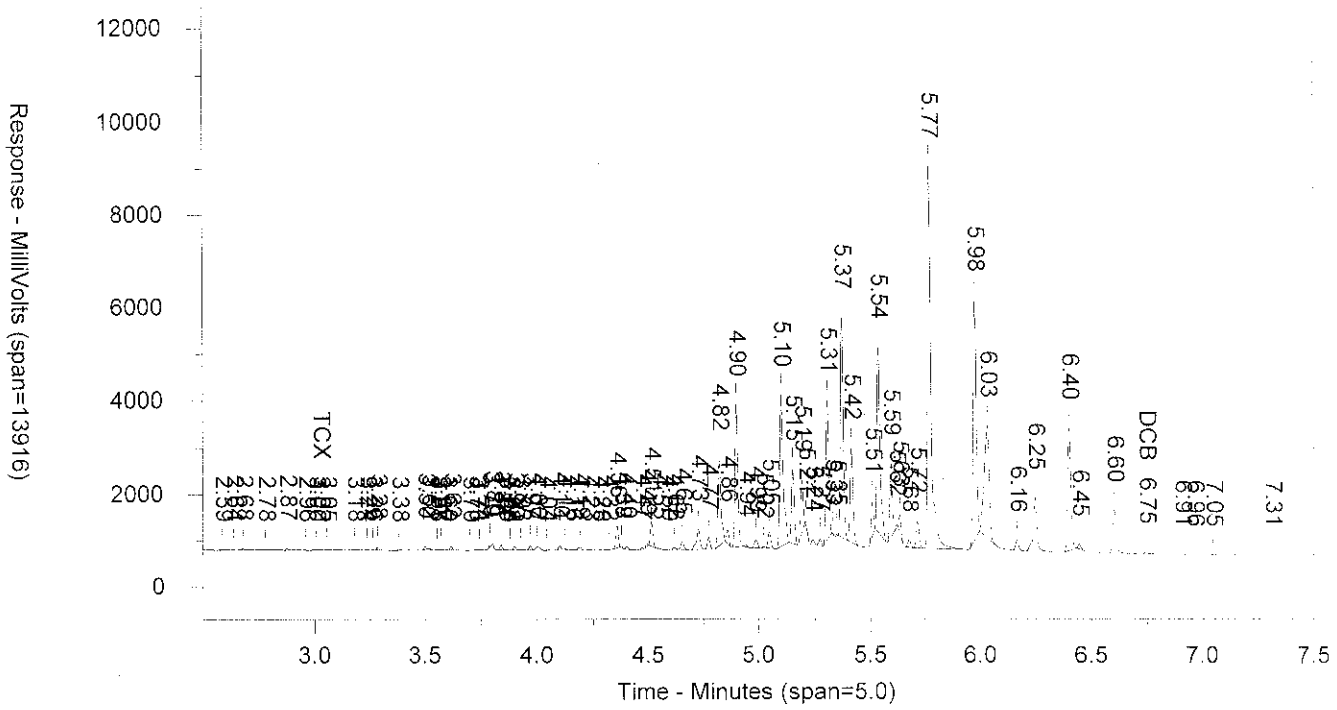

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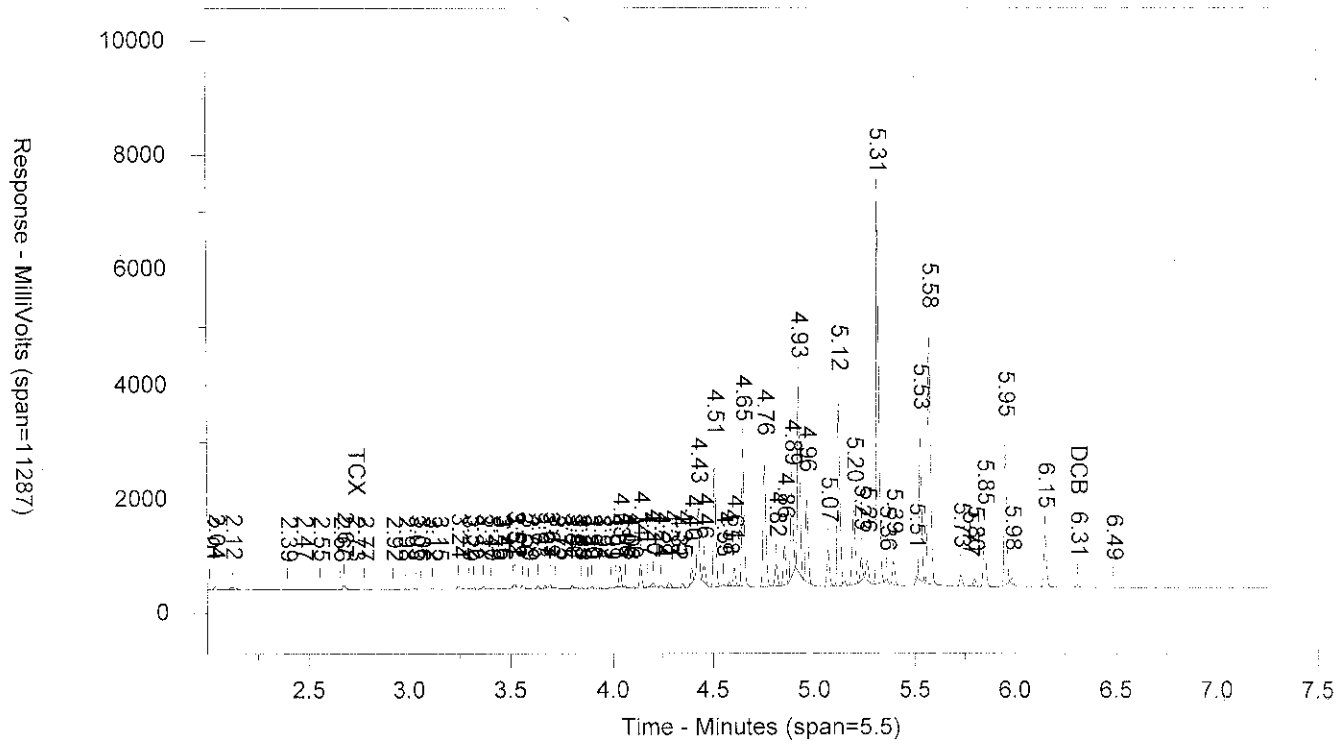

AR6231724A AAAR623AA ICAL 1729899999 06030 EPA 608

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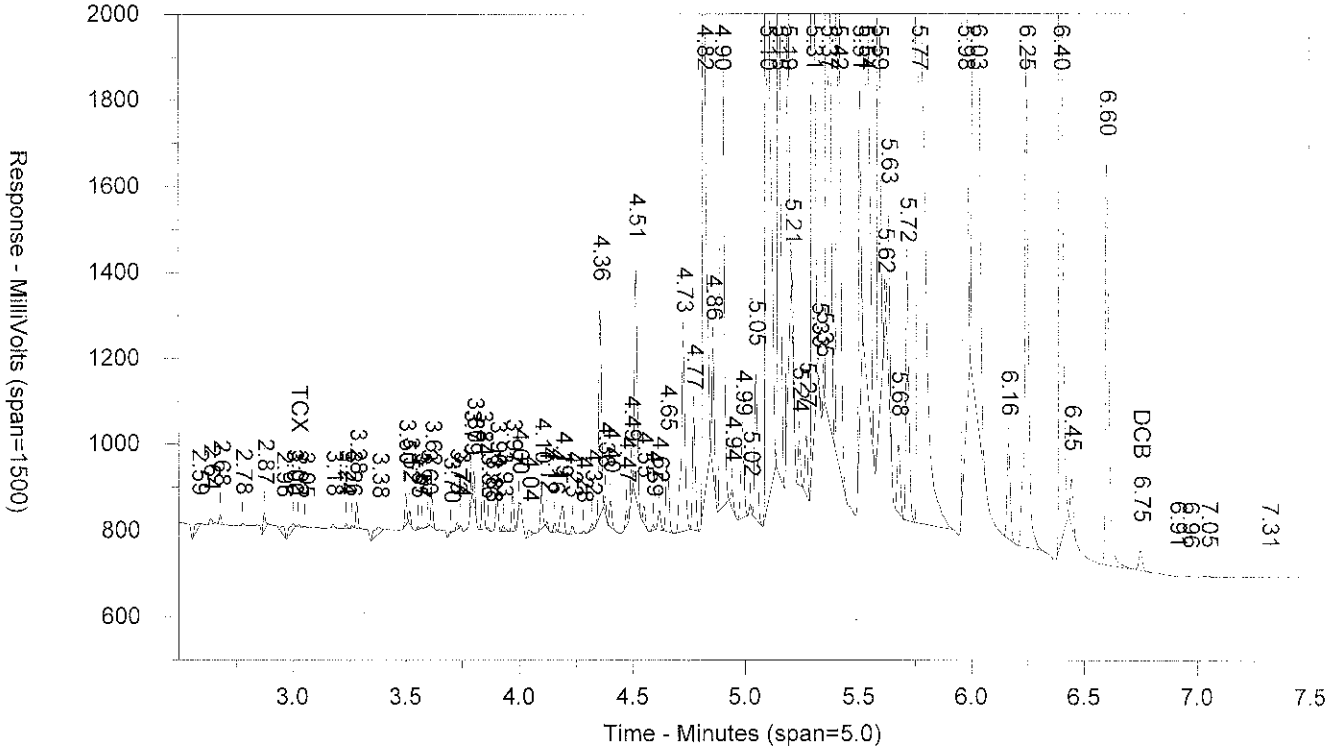

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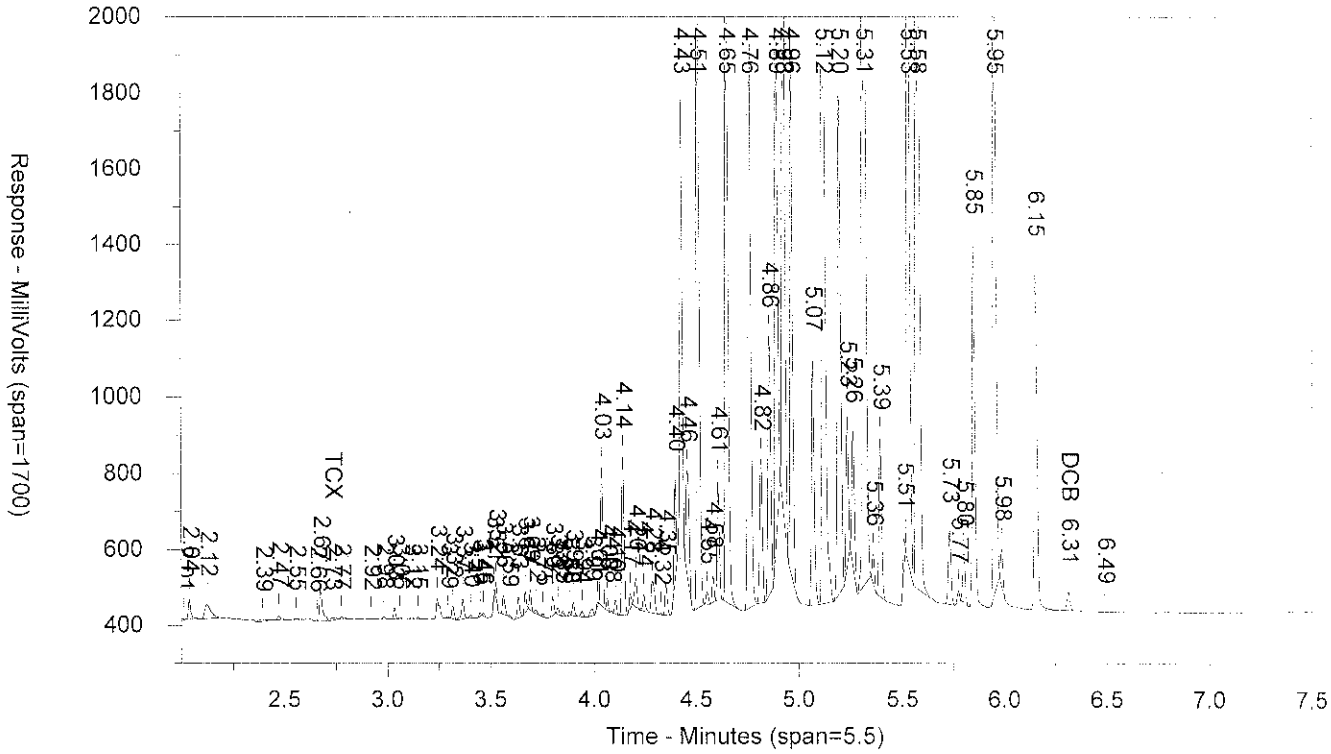

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:00:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0032.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.654		12552	41718
2.054		2021	955
2.122		21129	53951
2.182		83411	175933
2.238		12118	19044
2.375		2306	1398
2.41		93479	61040
2.467		6885	8839
2.581		5660	8360
2.639		6352	4861
2.875		56125	52764
2.957		12791	14971
2.991		4721	4508
3.05	TCX	2632	2202
3.286		7652	4815
3.371		3702	7199
3.453		1781	1254
3.502		15606	9181
3.52		5241	2190
3.6		3848	1876
3.617		14950	10282
3.7		2832	1476
3.73		4082	2330
3.791		12045	6017
3.803		17407	8380
3.842		27210	21412
3.864		1354	790
3.885		1063	184
3.903		23486	17284
3.922		671	139
3.943		3544	2362
3.972		25322	17051
4		21374	30220
4.043		3650	2128
4.101		30687	21325
4.127		9539	6166
4.158		11982	8830
4.192		29482	29075
4.235		12364	9657
4.28		3178	1870
4.321		3590	3661
4.354		34207	33725
4.377		33106	21045
4.401		37280	25915
4.509		38731	30668
4.531		14574	9028
4.55		3337	2202
4.612		10209	9031
4.655		70478	66470
4.712		32492	29144
4.744		7647	5010
4.774		21812	18406
4.823		14960	13222

RT A	Compound A	Height A	Area A
4.86		18933	15728
4.901		24854	22358
4.944		53744	50021
4.989		37476	35974
5.027		100478	90134
5.058		3585	6421
5.104		23318	27776
5.155		141114	129011
5.193		31586	25163
5.268		42316	39992
5.308		64735	60198
5.351		40806	22395
5.374		1577570	1475263
5.417		117501	98430
5.511		104504	82767
5.554		2110664	2252996
5.593		14852	8249
5.618		583568	548451
5.675		124962	122032
5.718		23534	19436
5.774		699729	553964
5.797		481759	359204
5.977		9941251	9226242
6.035		8169366	8855757
6.167		7608974	7561220
6.23		1921555	2137677
6.404		2919032	2981452
6.603		23723360	23560950
6.75	DCB	4378295	4574630
7.024		1617	955
7.078		9598	9124
7.247		1518	727
7.276		1481	497
7.304		1649	1027
7.334		1484	331
7.565		1113	341
7.674		1683	634
7.843		1527	414
8.117		1611	415
8.216		1911	698
8.243		1718	466
8.322		1303	1106
8.392		1651	389
8.49		1423	452
8.648		1344	386
8.679		1460	326

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:00:57 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0032.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.639		1276	9987
1.837		3441	5446
1.898		5205	12112
2.004		4933	10135
2.038		57357	51597
2.125		43030	104376
2.279		2394	2198
2.329		2653	4373
2.654		4737	3016
2.673		100074	102440
2.733	TCX	3254	6350
3.033		4945	3706
3.243		12279	13175
3.318		14575	11915
3.366		11659	11673
3.408		2310	2802
3.448		2610	1130
3.465		5278	3815
3.516		5360	3345
3.559		12246	9111
3.634		15491	12469
3.668		16443	10776
3.692		18801	11803
3.73		2385	2061
3.802		23079	16562
3.826		7928	4855
3.849		7773	5656
3.879		5079	2774
3.897		18961	13896
3.942		8575	7081
3.99		11837	10266
4.014		12552	9590
4.036		33762	22242
4.062		28378	21476
4.101		4253	2975
4.139		7623	5285
4.178		22920	18256
4.207		13030	8634
4.243		3628	2931
4.281		39347	39204
4.327		11861	8223
4.351		9800	7067
4.387		4911	3758
4.415		17974	25703
4.51		29485	33589
4.553		40539	32633
4.582		12616	9643
4.607		9099	5252
4.628		58397	43971
4.651		13635	8767
4.761		118133	111812
4.812		28144	26327
4.859		49945	57148
4.893		16362	11934

4.926		1194751	1150744
4.966		82783	63205
5.07		90454	82433
5.121		1760680	1668717
5.188		467911	470791
5.249		7635	4628
5.268		61756	50886
5.315		701861	662770
5.391		482833	455155
5.472		4386	3437
5.508		27107	22806
5.531		7249123	6665328
5.579		7525005	6822988
5.733		6383491	5824833
5.801		1611365	1467270
5.85		237446	217164
5.954		2529013	2439624
6.08		11443	13149
6.154		21725670	19661720
6.314	DCB	4227121	3970015
6.488		7911	6571
6.65		10625	10198
6.789		2213	2060
6.998		1536	1125
7.873		1332	1688
8.614		4312	9372

AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608

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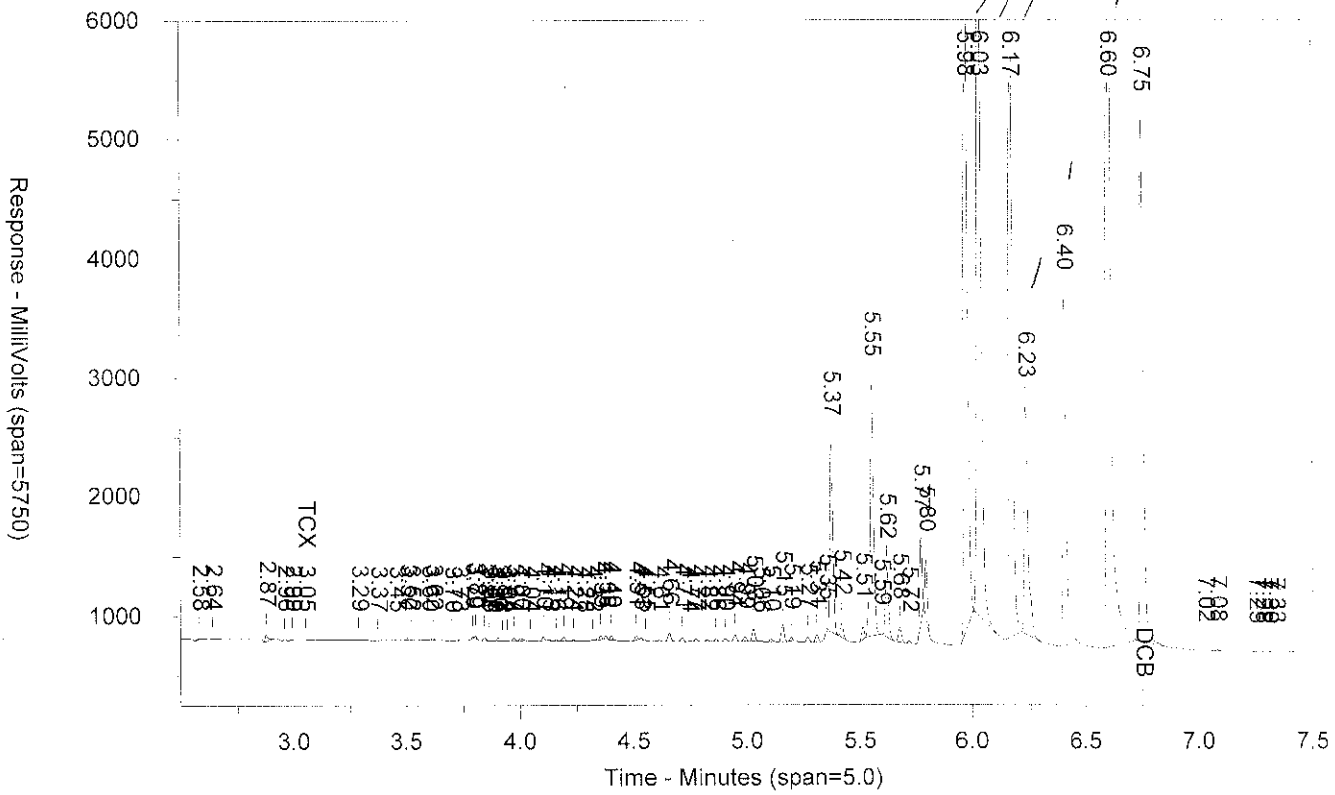

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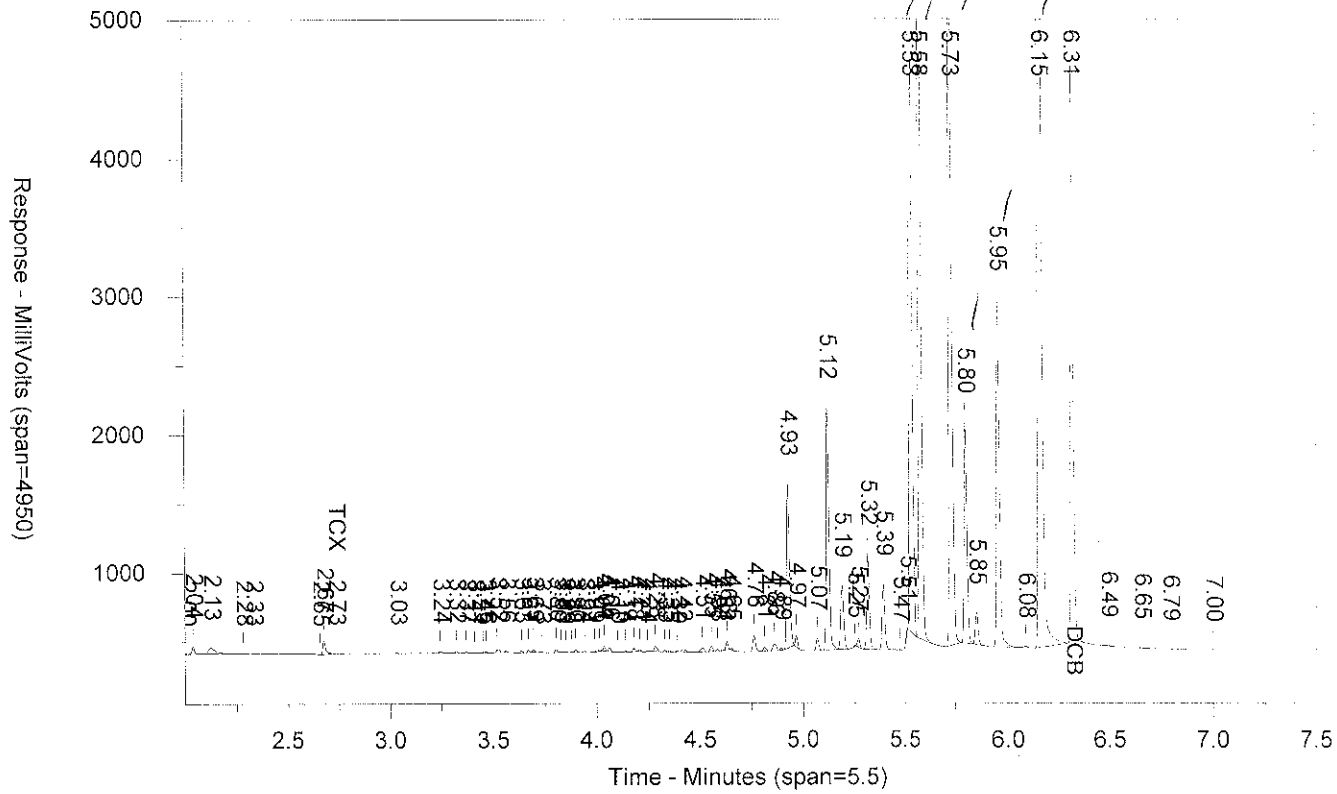

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:00:57 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.05	2632	.004	TCX	2.733	3254	.01	TCX
6.75	4378295	15.125	DCB	6.314	4227121	15.346	DCB

Files:
Area File: 07pcbs17299001.0032.RAW
Area File: 07pcbs17299001B.0032.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:09:39 AM
File Reported On: 10/29/2017 at 1:42:08 PM

AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608

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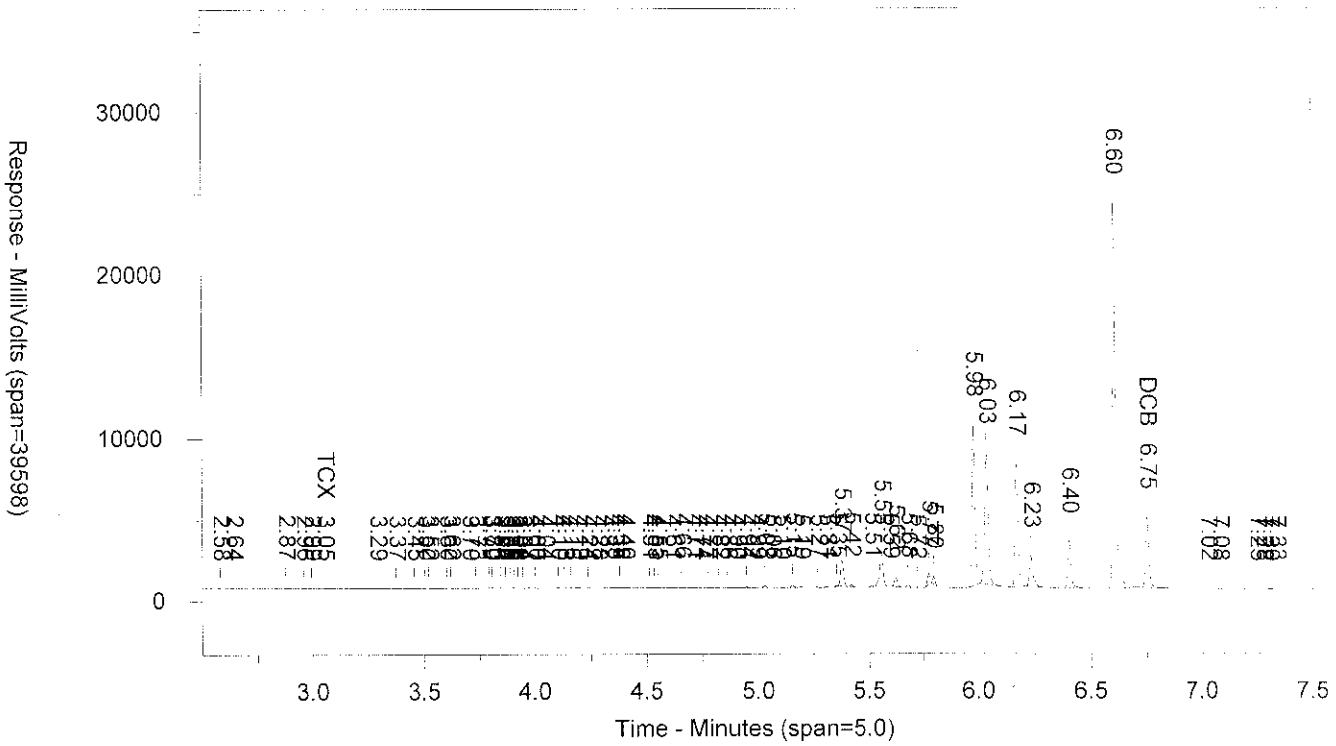

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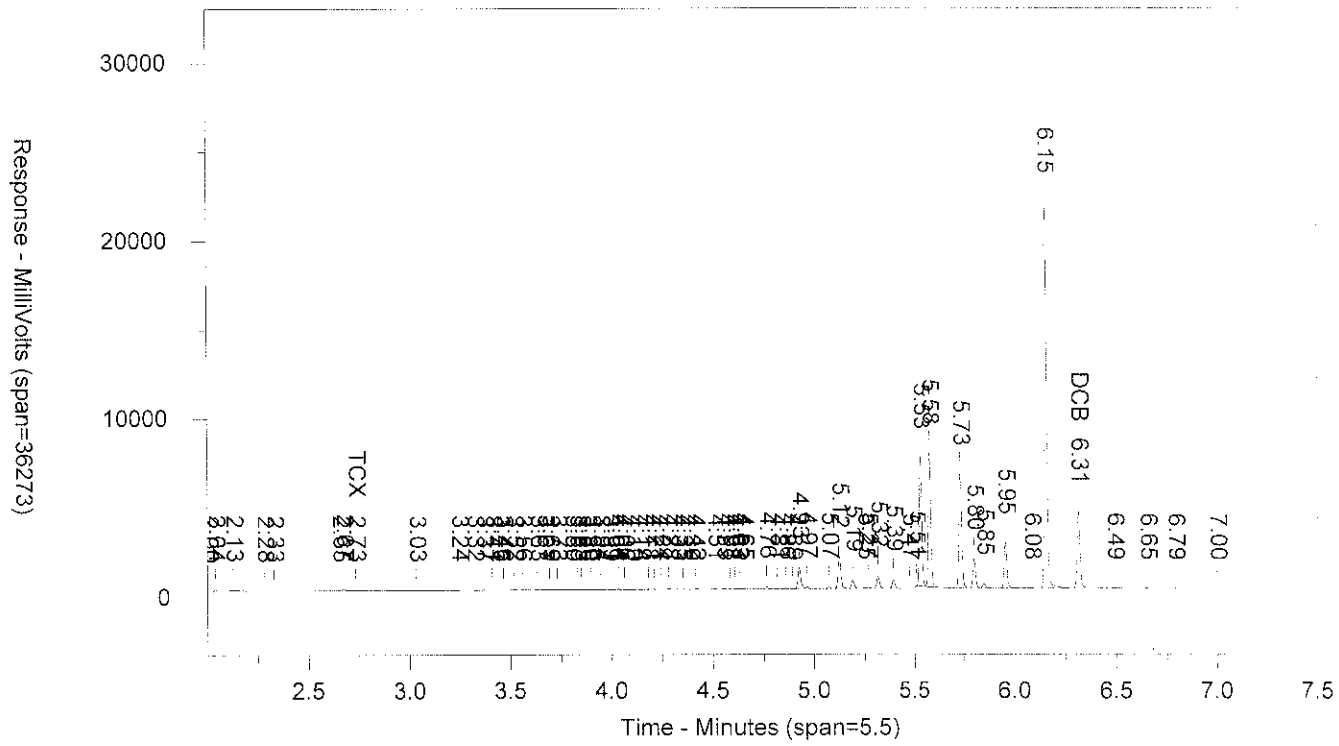

AR6831724B AAAR683AA ICAL 1729899999 06030 EPA 608

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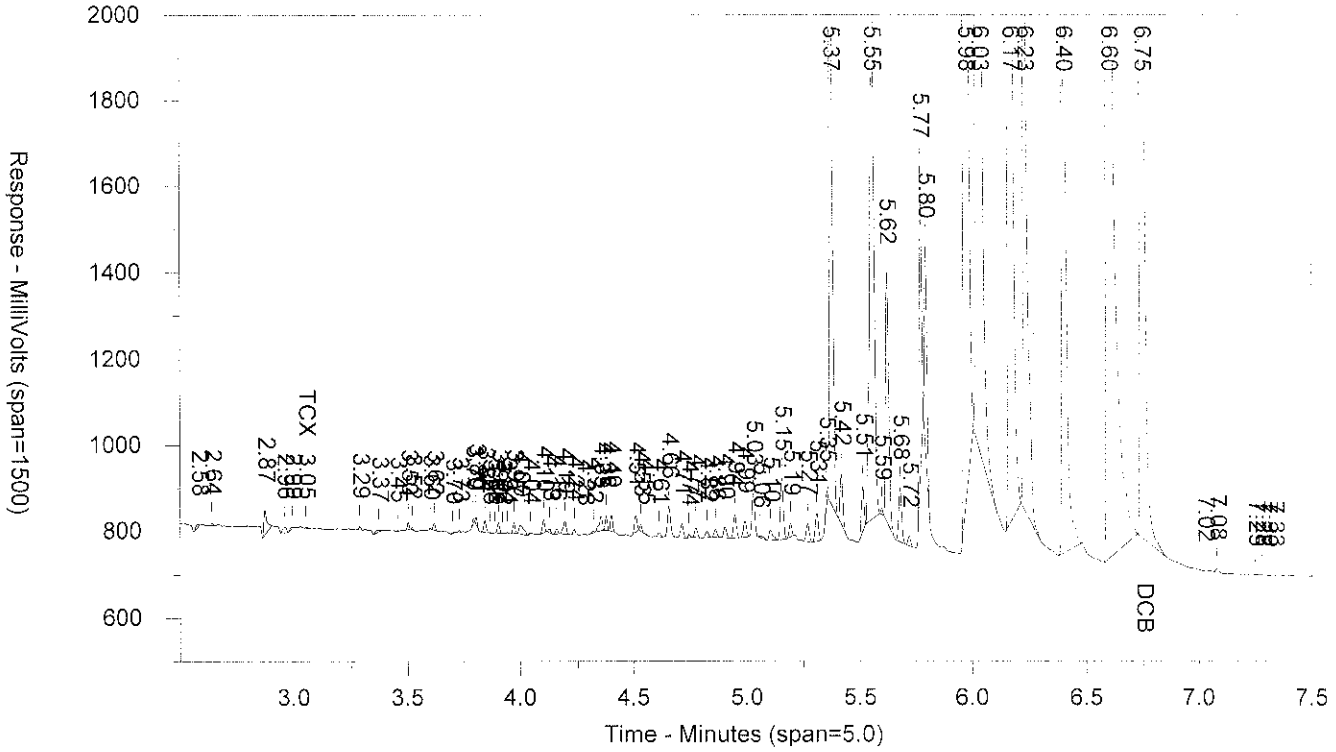

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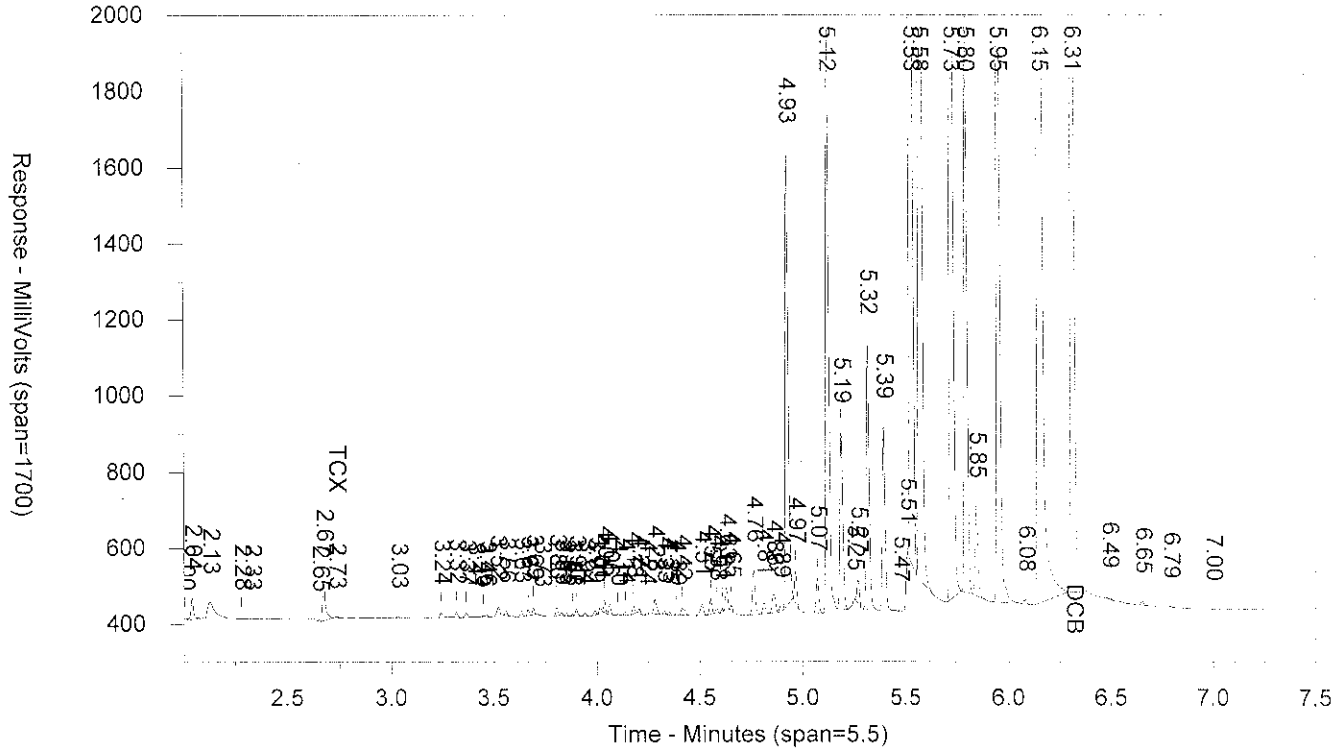

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:12:21 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: 07pcbs17299001.0033.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.542		1886	779
1.661		32255	105609
1.726		12546	11623
1.808		4103	2725
1.947		4863	4611
1.99		1622	725
2.054		2870	3419
2.118		21659	41552
2.184		59794	120225
2.314		146770	119871
2.342		17721	13935
2.409		89384	56852
2.425		45309	29868
2.463		4754	5118
2.575		5302	5809
2.637		21598	13842
2.661		796687	526898
2.814		2070	911
2.875		38626	28998
2.941		203330	135734
2.991		3653	4279
3.027	TCX	29749420	19358210
3.13		7914	3852
3.18		1214177	986890
3.236		1043792	844122
3.284		3732125	2417239
3.361		63434	39837
3.379		22260	11615
3.501		213899	124173
3.52		115372	91902
3.537		31424	10711
3.556		24404	10984
3.585		355705	238451
3.618		263255	179811
3.675		83449	52303
3.694		8078	3646
3.729		57871	32949
3.745		52078	27777
3.791		102532	56758
3.803		231169	125402
3.842		289971	215390
3.869		1670	262
3.876		977	137
3.881		965	253
3.902		192894	143873
3.944		6998	4835
3.971		58022	42949
4		44103	36652
4.02		8754	4857
4.05		1892	1339
4.1		63146	46172
4.126		24223	15753
4.156		21746	15467

RT A	Compound A	Height A	Area A
4.194		84174	77988
4.233		19851	15196
4.279		2774	1806
4.313		1362	1246
4.356		36222	25556
4.376		39758	26181
4.401		49685	38480
4.463		2940	4112
4.509		33523	27848
4.53		14713	9685
4.548		4640	3233
4.658		10155	10820
4.711		18893	17324
4.745		6567	5211
4.773		15299	14037
4.82		1683	844
4.86		8094	7913
4.896		3553	3758
4.971		1682	545
4.99		7864	7494
5.026		35571	33950
5.06		5250	9330
5.117		2553	2293
5.152		4525	4168
5.193		8940	8633
5.268		65870	65298
5.309		3909	3377
5.35		4893	3892
5.374		2532	1417
5.412		2778	6666
5.475		2882	3728
5.539		4111	2956
5.59		7284	7717
5.674		56860	58199
5.732		1254	369
5.797		113009	113330
5.882		4311	4300
5.909		1193	525
5.975		19640	22079
6.034		11836	16346
6.103		1979	1183
6.167		162611	159208
6.231		174532	212528
6.341		1846	1761
6.384		1234	811
6.404		4351	2850
6.531		1966	1630
6.604		122731	132262
6.75	DCB	11486030	12114620
7.035		1950	602
7.227		8180	10217
7.317		1125	1229
7.401		1631	710
7.435		1422	358
7.534		1568	732
7.726		1597	722
7.798		1409	450
7.863		1609	625
7.953		1554	477
7.981		1369	551
8.045		1273	626
8.187		1386	469
8.381		721	821
8.527		1258	968

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:12:21 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: 07pcbs17299001B.0033.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.614		2994	11437
1.66		2075	2017
1.838		3322	7751
1.883		6031	15816
2.045		89489	141842
2.123		35559	79507
2.175		23838	17599
2.326		5729	4064
2.395		2005	3865
2.424		431104	345783
2.552		3851	4349
2.654		8416	6230
2.673		69218	53170
2.701		138364	94345
2.746	TCX	14486750	9991933
2.787		170101	147279
2.918		730487	561645
2.967		52911	27280
2.979		422201	252298
3.032		1832335	1314576
3.084		31010	19761
3.144		18413	12890
3.223		2957	1480
3.242		85590	46433
3.253		29916	33860
3.286		58074	48435
3.317		27121	17874
3.342		196906	127108
3.365		138648	93941
3.402		10404	7013
3.43		50619	29432
3.448		32188	15858
3.464		37096	21289
3.515		38815	24319
3.524		131899	67757
3.559		145725	125935
3.634		124506	88804
3.668		40384	26648
3.692		42164	26314
3.71		11559	5854
3.801		49229	35948
3.825		19759	12300
3.847		15934	10819
3.878		9298	5037
3.898		52305	40391
3.94		13790	11296
3.989		2244	1523
4.012		20332	13471
4.036		44841	30164
4.062		35426	25860
4.1		3422	2349
4.139		7797	6573
4.177		21493	17145
4.206		13597	9125

4.245		4989	5793
4.291		4351	4047
4.326		3954	2516
4.35		6830	5045
4.385		3797	2791
4.415		13290	14368
4.511		8460	13085
4.547		2136	1682
4.58		6479	5285
4.628		25309	20767
4.777		3144	4681
4.811		6193	5469
4.865		45683	39399
4.891		2671	1353
4.927		1645	907
5.045		3287	3411
5.121		7455	6883
5.192		5021	5831
5.268		41708	38062
5.315		4928	4313
5.391		91011	91778
5.53		11493	10197
5.578		14819	15019
5.733		142104	133917
5.801		151652	143597
5.849		36189	32461
5.952		5137	3781
6.109		2664	2469
6.153		126357	116265
6.314	DCB	10904580	10373880
6.648		2451	1968
6.761		8630	8425
7.394		1644	4085
8.384		1998	3032
8.621		3208	3709

AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608

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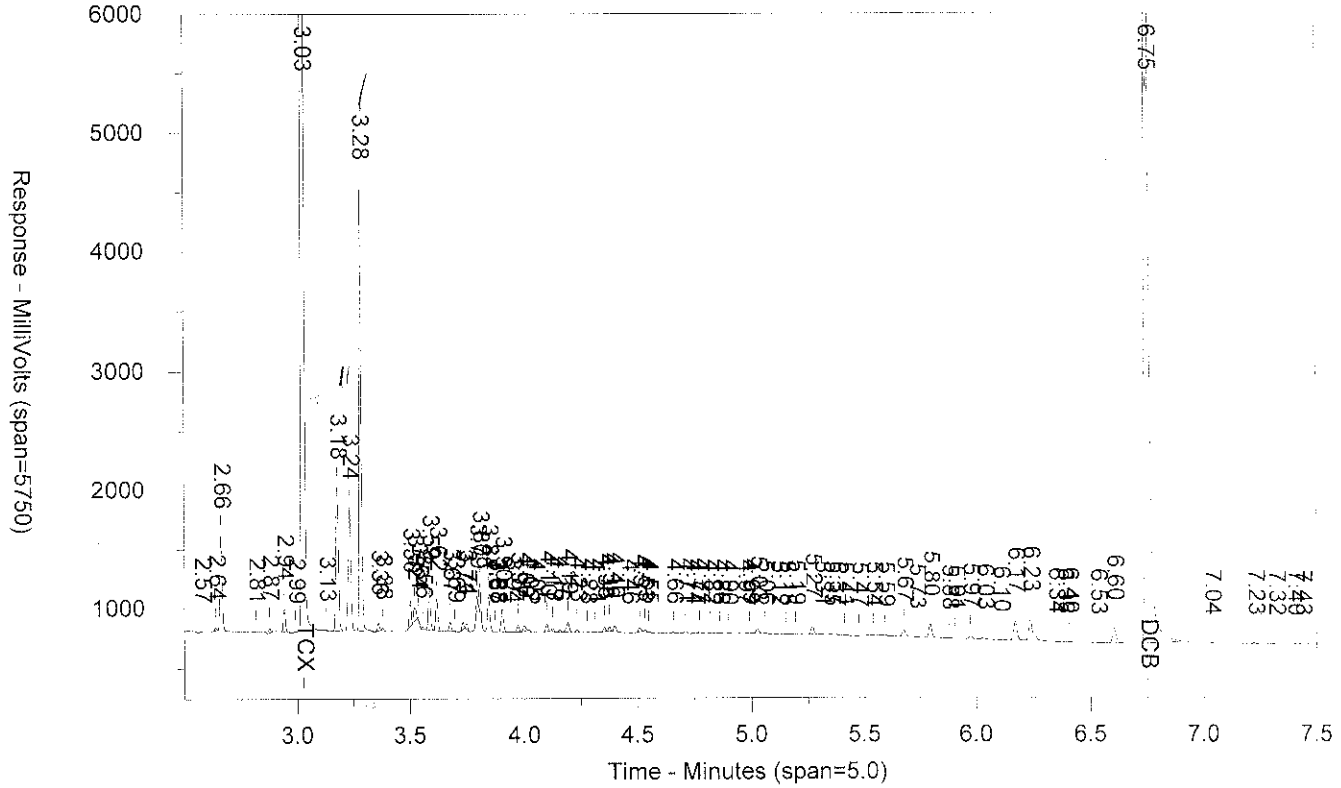

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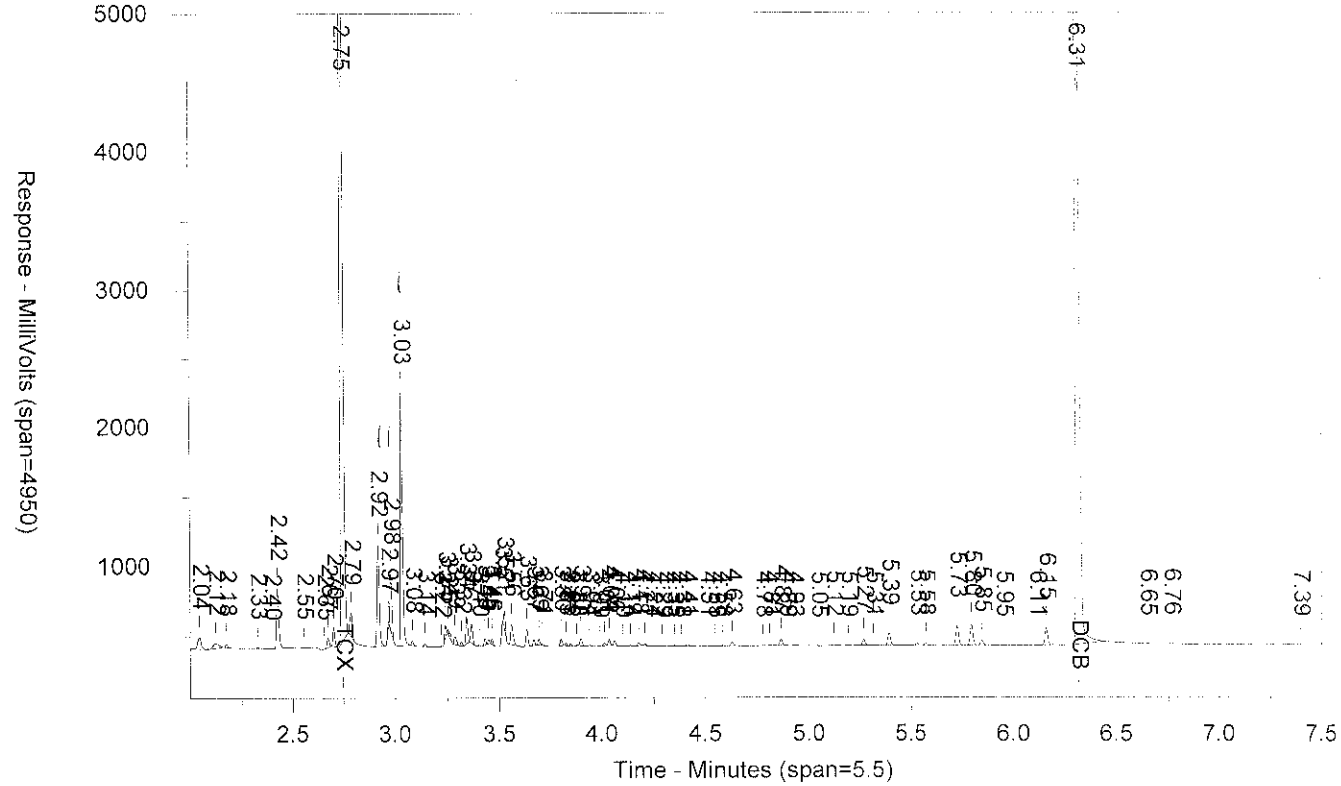

LANCASTER LABORATORIES

Sample Number: AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:12:21 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	29749420	42.493	TCX	2.746	14486750	42.318	TCX
6.75	11486030	39.679	DCB	6.314	10904580	39.589	DCB

Files:
Area File: 07pcbs17299001.0033.RAW
Area File: 07pcbs17299001B.0033.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:21:01 AM
File Reported On: 10/29/2017 at 1:42:18 PM

AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608

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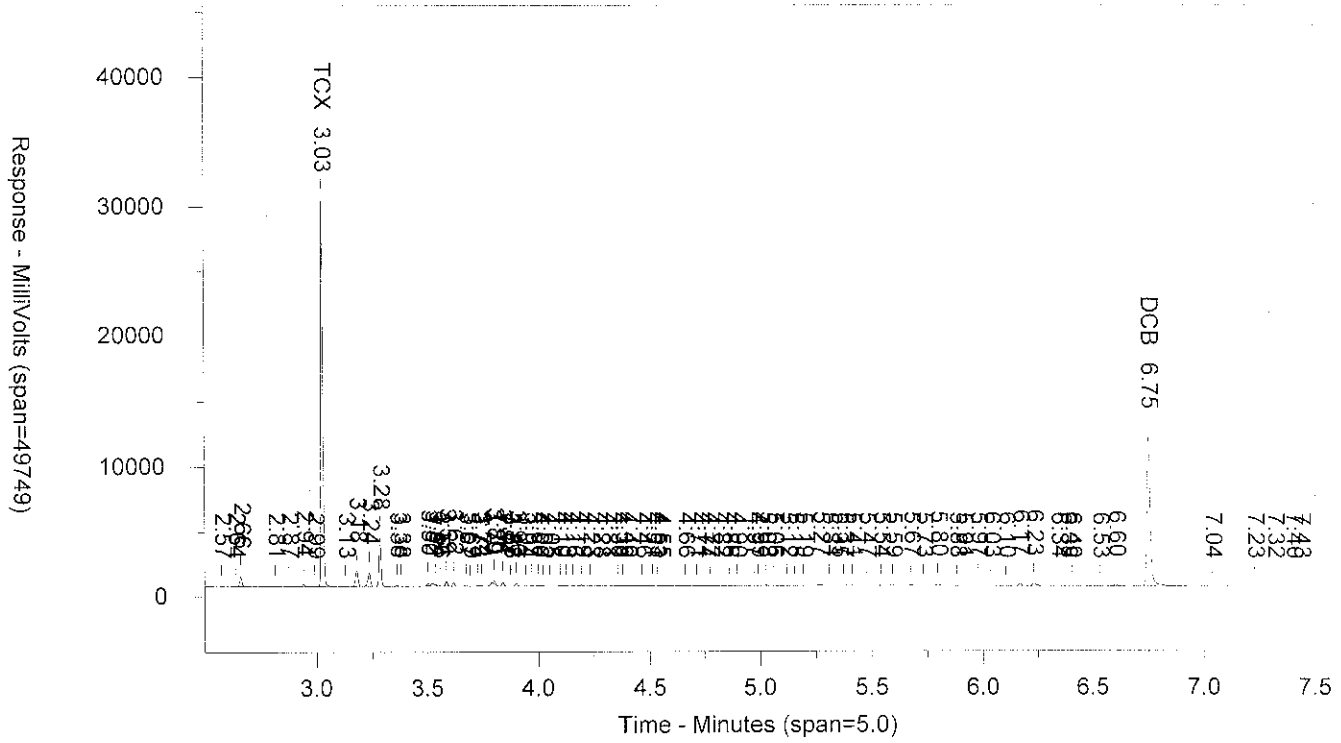

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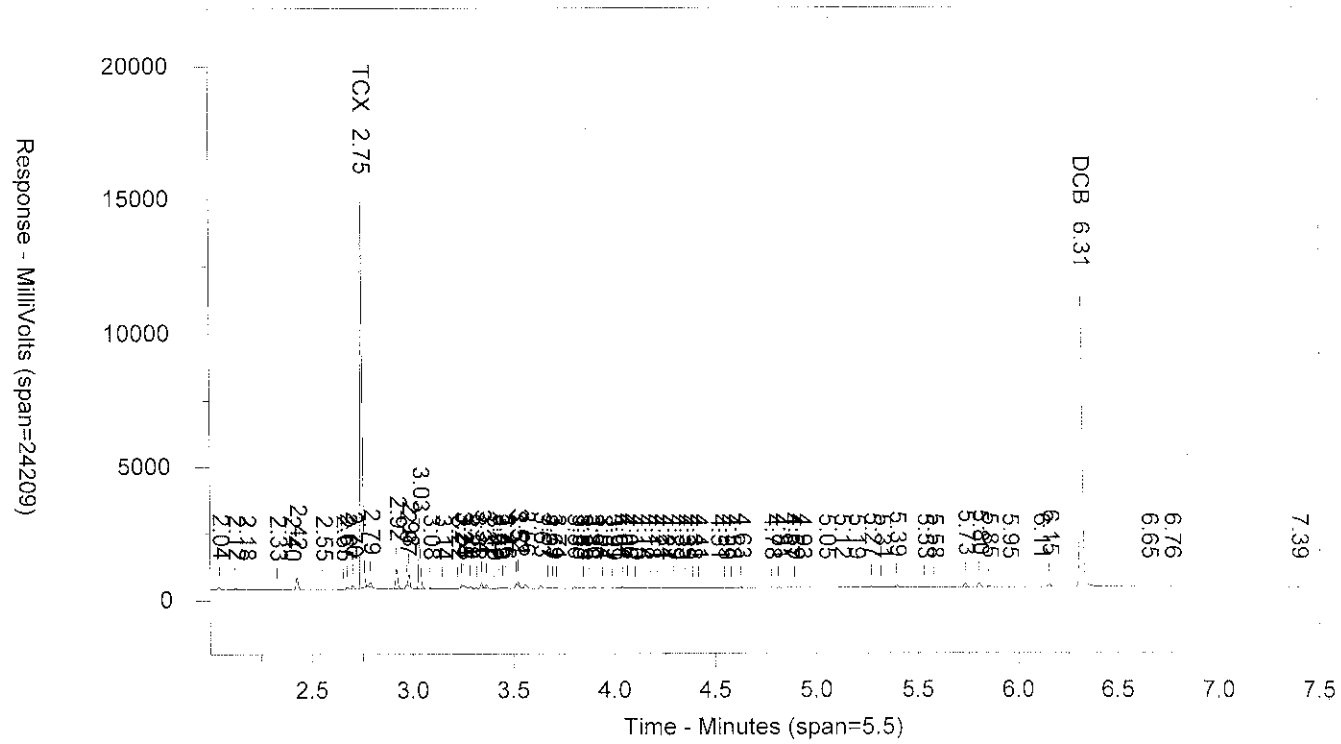

AR2141724A AAAR214AA ICAL 1729899999 06030 EPA 608

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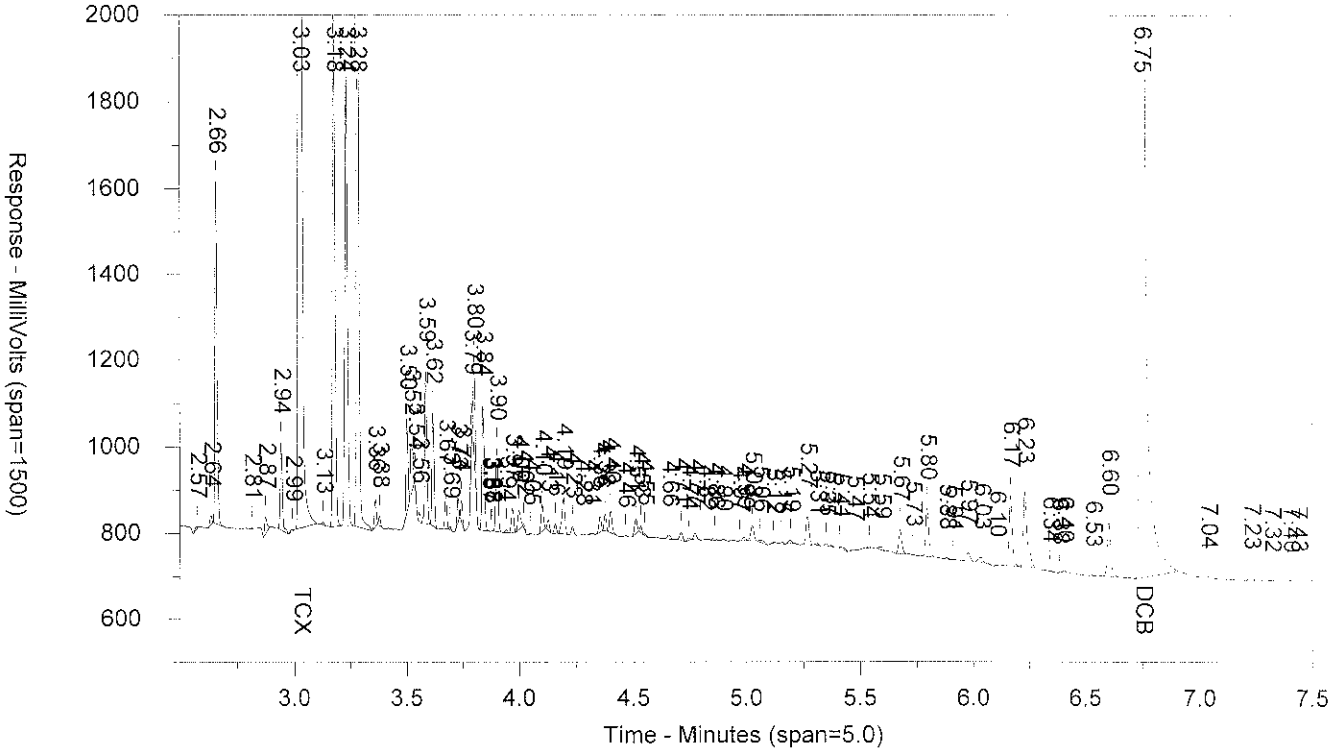

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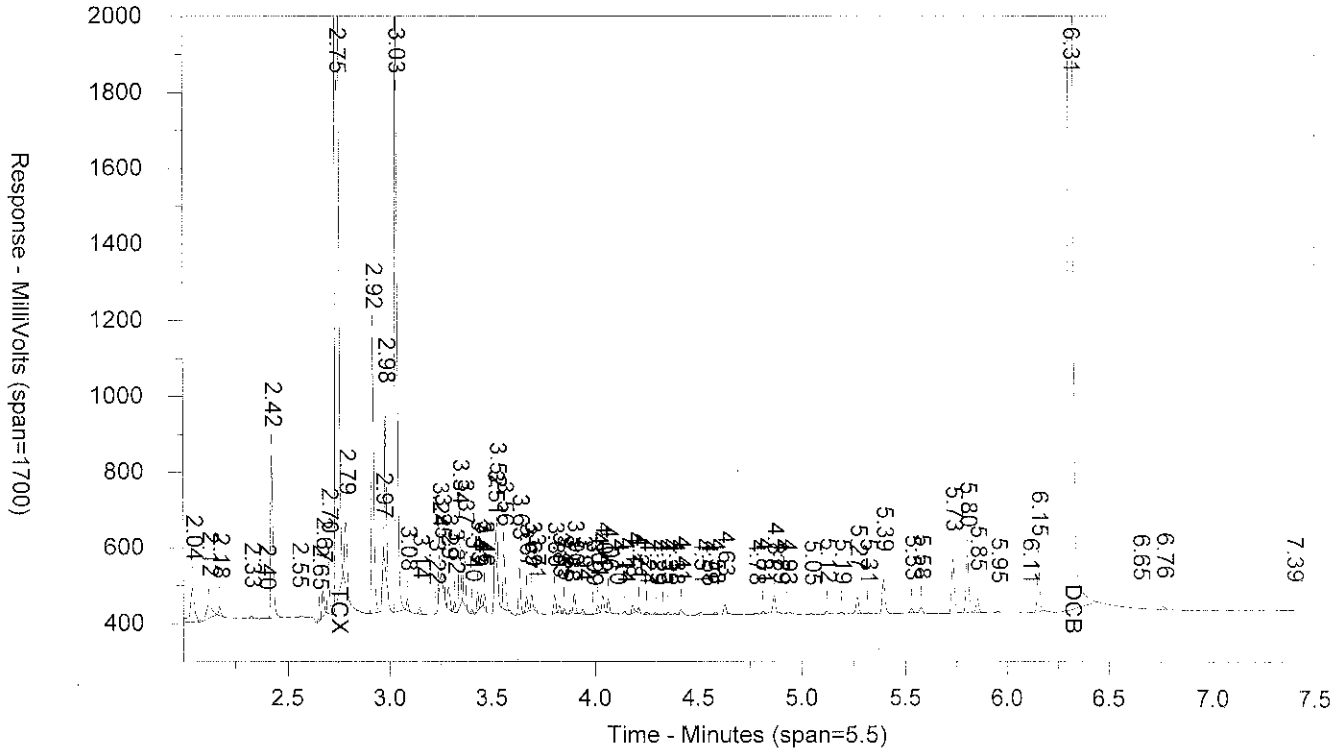

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:23:35 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0034.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.586		16381	48631
1.657		11235	51987
1.724		8037	4782
1.803		2834	1217
1.95		2486	1357
2.127		25525	70955
2.18		69750	141313
2.237		3779	2887
2.314		131651	98254
2.342		10293	8303
2.408		95198	60972
2.424		45005	28966
2.467		3314	2913
2.519		3680	2019
2.573		9997	10523
2.636		22952	14826
2.661		445682	298972
2.812		2633	1869
2.874		35535	30217
2.94		121933	91565
2.992		5649	8654
3.027	TCX	28881780	18666530
3.129		5908	3089
3.179		746049	606033
3.236		710513	636656
3.284		2654104	1769000
3.36		57026	32283
3.379		110093	65489
3.418		4319	2619
3.501		1081950	625663
3.518		520512	287194
3.555		121120	64534
3.571		22849	7948
3.585		225623	129475
3.617		1278120	877241
3.653		6140	3224
3.674		68574	42733
3.692		30902	17309
3.728		271109	159201
3.744		151542	77244
3.79		599667	349815
3.803		1327884	684174
3.841		1443216	1081337
3.901		1225589	874785
3.943		79065	54769
3.971		666581	488589
3.999		524883	437206
4.022		159295	82336
4.1		779165	560333
4.124		286311	189164
4.156		305357	222263
4.192		852019	823554
4.233		250521	203360

RT A	Compound A	Height A	Area A
4.28		46669	35719
4.321		63062	50926
4.355		505404	354795
4.376		672481	431274
4.4		814508	608288
4.459		16244	10124
4.508		528356	419595
4.531		295426	179836
4.55		55268	30000
4.592		13381	9503
4.616		19863	17693
4.658		105124	90882
4.711		168031	145714
4.743		88191	65581
4.774		234748	204307
4.822		14984	12345
4.859		116997	106049
4.9		28992	32022
4.949		21410	19039
4.992		142415	133062
5.026		35284	29492
5.072		14233	17770
5.103		16865	12040
5.117		6387	4240
5.152		15612	14184
5.192		155623	151149
5.267		71706	69937
5.309		39429	34836
5.331		3235	1488
5.375		10611	9114
5.42		13824	19709
5.47		2990	3286
5.515		6322	5554
5.536		12050	9411
5.593		12621	13126
5.63		5275	5988
5.674		60466	59926
5.717		6467	5871
5.774		12666	8809
5.796		114617	100717
5.977		21991	23247
6.029		7803	13149
6.166		163003	162296
6.23		173161	225944
6.401		8677	9581
6.573		1854	1353
6.603		105367	108567
6.692		994	580
6.749	DCB	11771650	11813750
7.035		2764	2511
7.222		7615	9579
7.566		1570	668
7.724		1336	495
7.758		1507	1011
7.814		1288	617
7.866		1225	623
7.9		1605	818
7.94		1182	313
8.078		1733	983
8.135		1532	476
8.152		1697	283
8.233		1751	691
8.415		1919	2477
8.475		1751	524
8.568		1978	610
8.633		1264	405

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:23:35 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0034.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.607		4341	11283
1.666		2159	2456
1.746		1513	1614
1.931		6270	27195
2.001		7359	13887
2.045		79903	104569
2.122		33653	67096
2.175		22528	18449
2.326		5116	7133
2.396		1767	3466
2.424		256397	203214
2.548		5304	10241
2.654		3964	2494
2.673		58177	46278
2.7		72894	48741
2.745	TCX	14206480	9598412
2.787		119638	98606
2.917		460395	351894
2.966		64692	29680
2.979		268471	156662
3.032		1368050	992164
3.084		29914	21645
3.145		75326	54713
3.241		706605	810759
3.293		87527	68325
3.316		59279	38248
3.342		129848	77580
3.365		671149	491485
3.401		25897	15339
3.43		36578	19066
3.448		157671	87861
3.463		91956	48742
3.515		224909	138449
3.524		706932	337771
3.558		692621	533310
3.634		725831	507413
3.667		420995	277812
3.692		462276	282076
3.71		132976	71884
3.801		544249	413760
3.825		195495	117668
3.847		193333	126696
3.879		102438	57772
3.897		456779	330385
3.94		175513	146137
3.989		26634	18577
4.011		316123	207850
4.035		606970	428297
4.061		550885	410055
4.1		17614	9956
4.138		126071	106548
4.177		335077	271546
4.206		253013	169230
4.252		16591	17865

4.29		75797	63261
4.322		6533	4861
4.35		123480	102525
4.385		69743	53668
4.414		178026	153543
4.512		87036	111385
4.548		17480	13770
4.581		116985	99450
4.626		21393	14615
4.65		20007	13236
4.678		8516	6371
4.709		4116	3249
4.757		21673	23685
4.81		107099	98742
4.865		45769	37535
4.892		28713	23472
4.925		5780	4986
4.966		5627	4665
5.087		1679	1607
5.123		14836	12801
5.146		6170	4087
5.194		8491	9046
5.231		3965	3259
5.267		42725	37917
5.314		23290	21422
5.391		97939	90534
5.531		7549	11532
5.575		18470	21022
5.732		141074	134584
5.799		156574	148920
5.848		39313	38020
5.953		7018	6187
6.107		2770	2375
6.153		104867	96234
6.185		2403	1495
6.312	DCB	10836990	10182330
6.641		1962	2785
6.759		9162	7675
8.325		1349	1650
8.617		3387	4606

AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608

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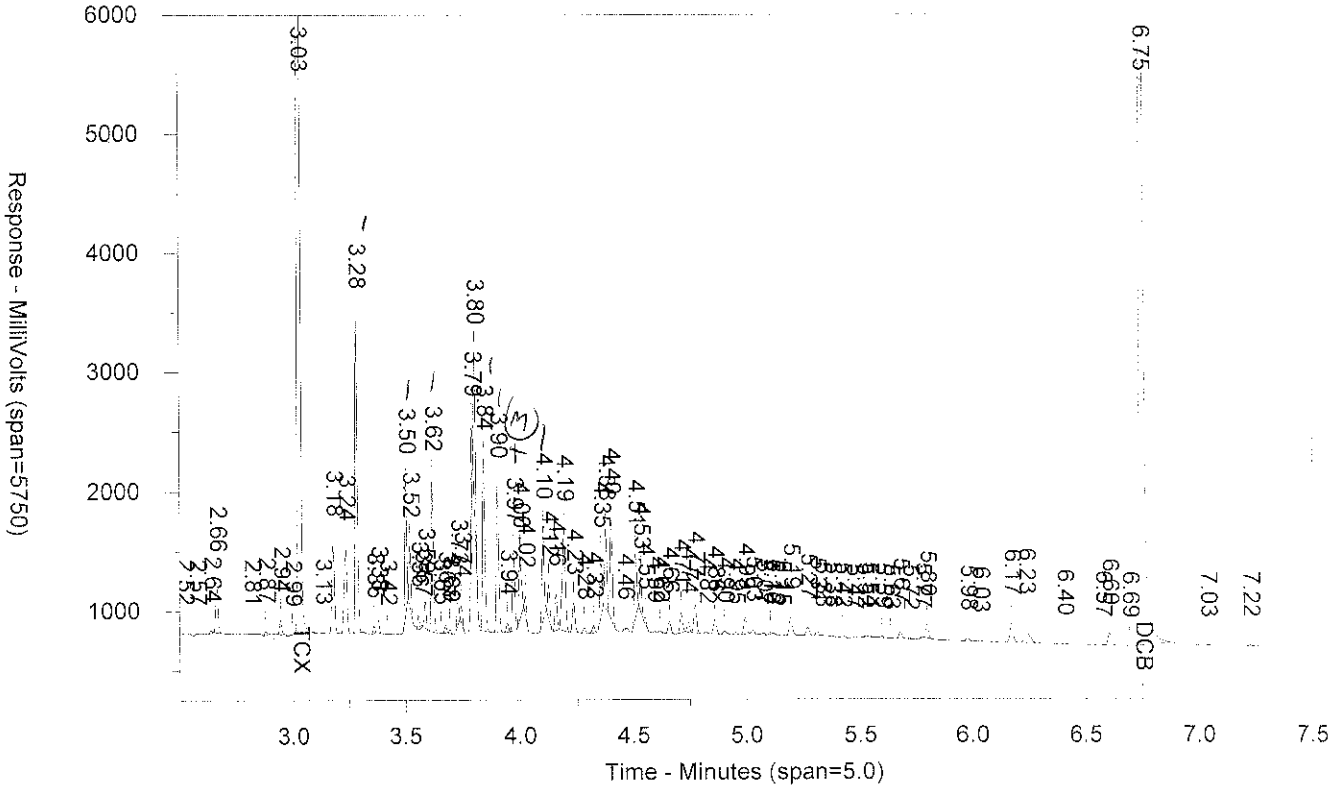

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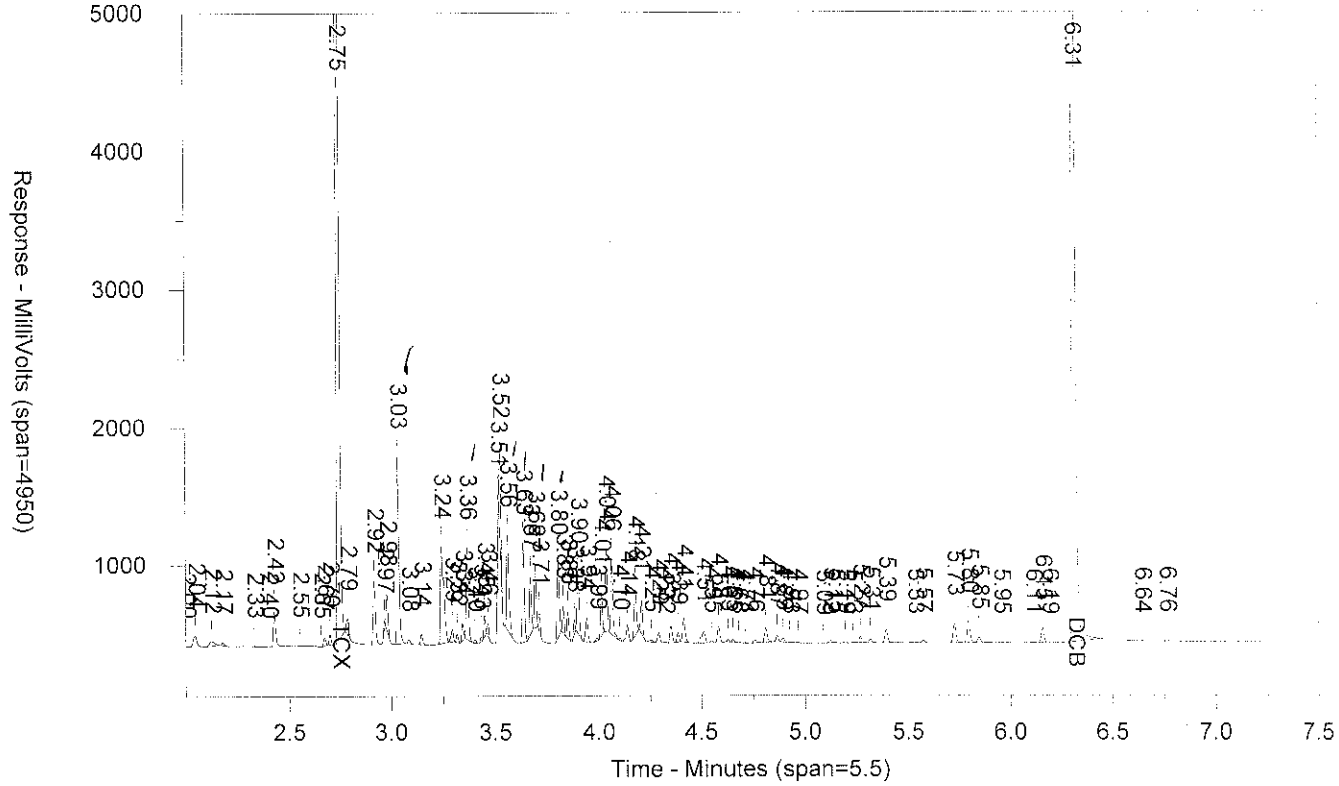

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:23:35 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.027	28881780	41.254	TCX	2.745	14206480	41.5	TCX
6.749	11771650	40.665	DCB	6.312	10836990	39.343	DCB

Files:
Area File: 07pcbs17299001.0034.RAW
Area File: 07pcbs17299001B.0034.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:32:15 AM
File Reported On: 10/29/2017 at 1:42:28 PM

AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608

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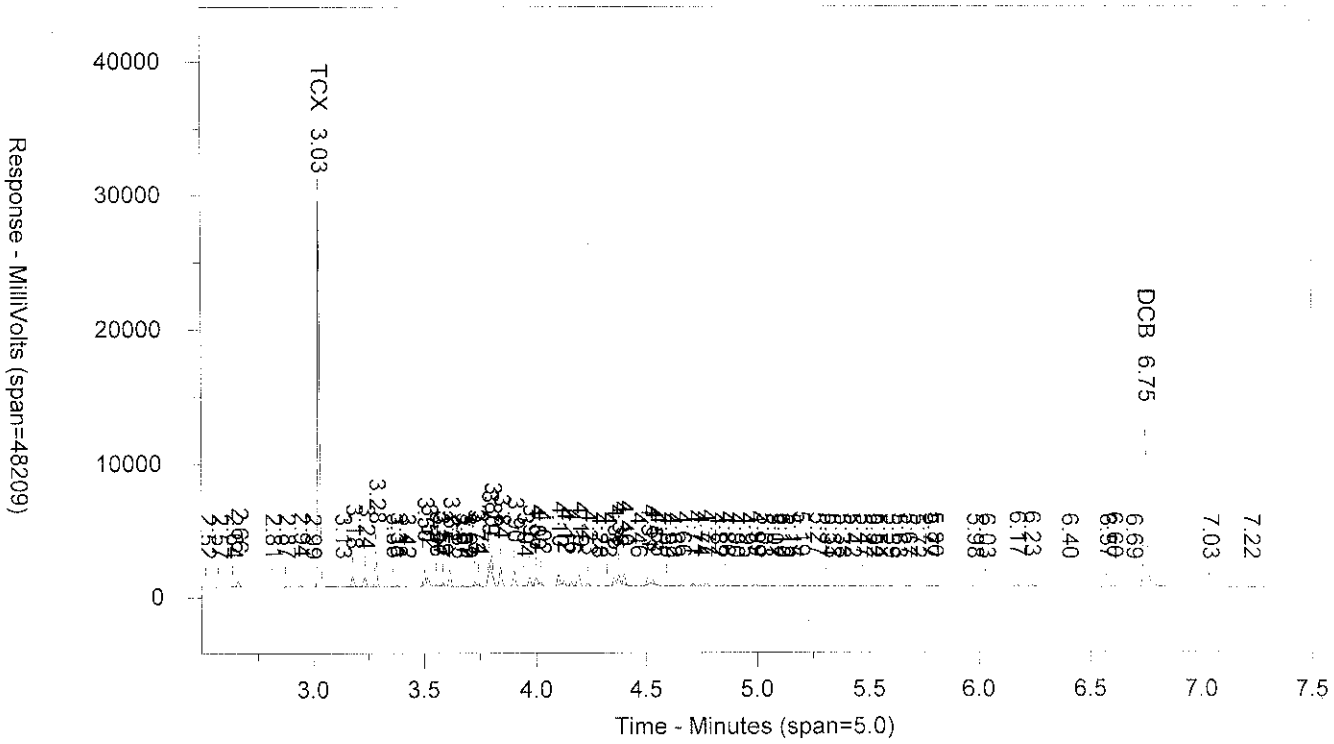

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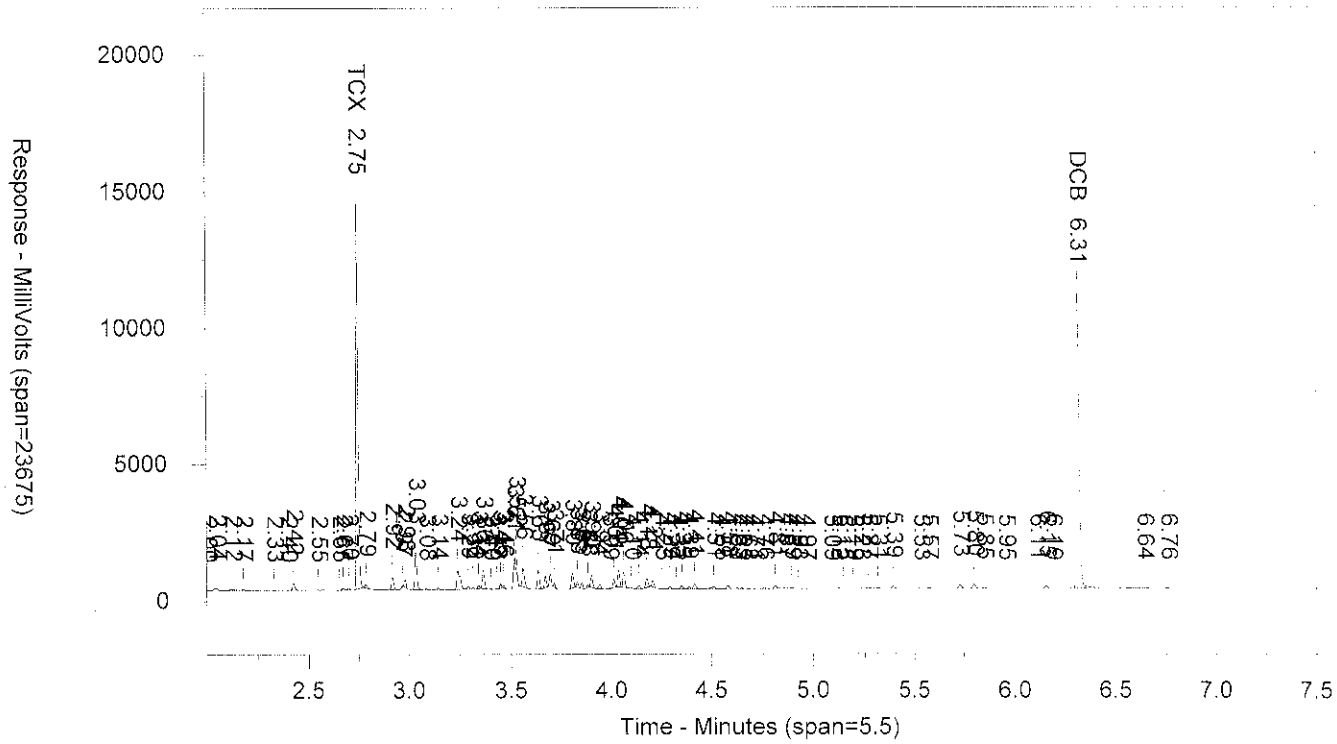

AR3241724A AAAR324AA ICAL 1729899999 06030 EPA 608

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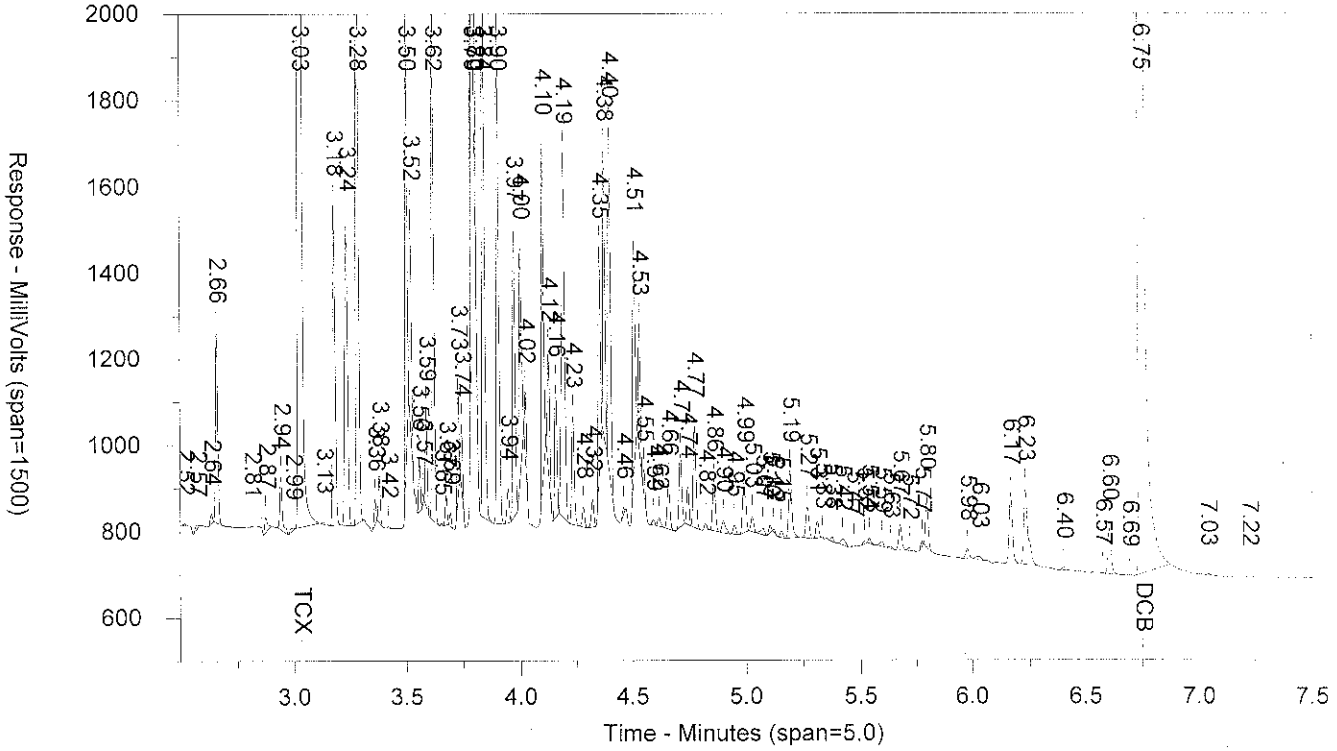

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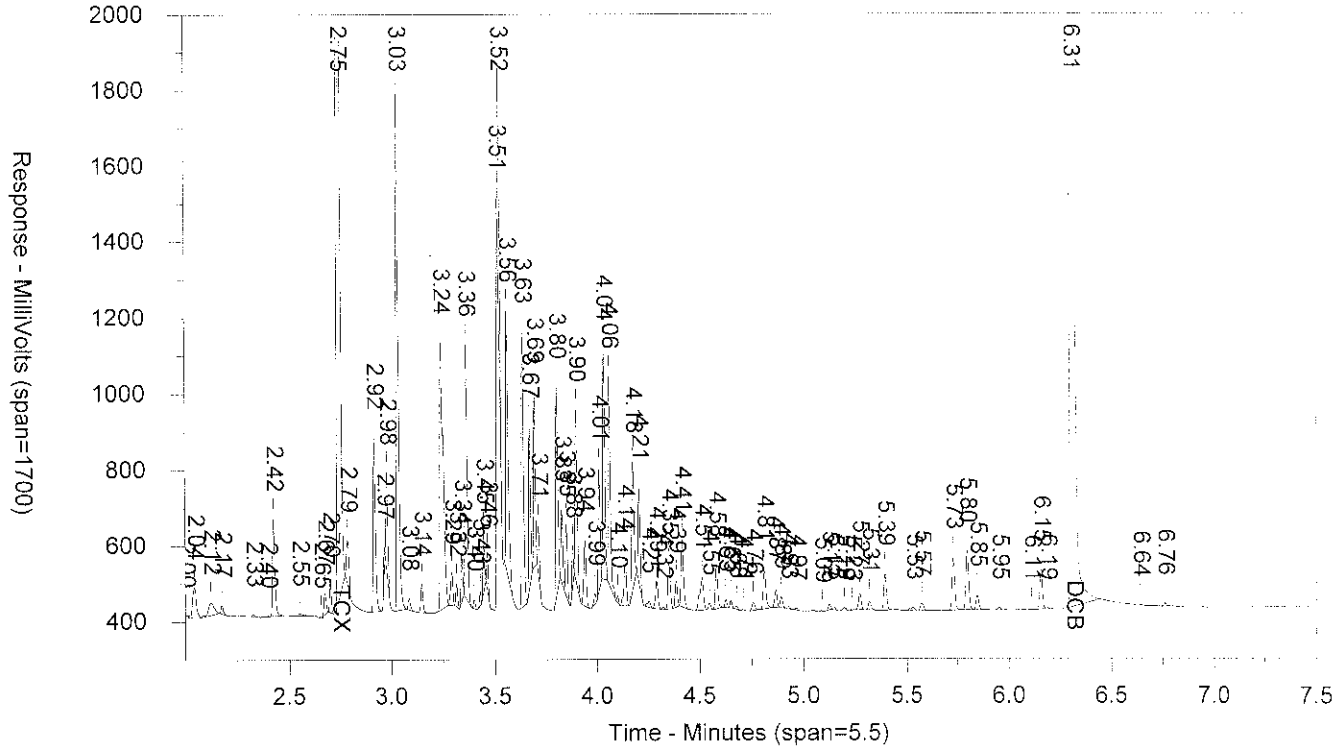

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:34:50 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: 07pcbs17299001.0035.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.541		14077	17724
1.588		39721	80659
1.641		10604	21149
1.859		3230	1978
1.921		2681	1863
2.123		25423	57100
2.18		52824	117980
2.234		4996	3909
2.314		172582	119579
2.408		53930	35871
2.425		66641	44071
2.463		2572	1706
2.52		3924	2592
2.582		8155	16637
2.639		8796	6378
2.661		21394	13452
2.874		36289	36138
2.994		5335	9318
3.027	TCX	46912110	28848310
3.129		10562	5694
3.178		327392	269961
3.23		575513	577801
3.284		2088411	1377961
3.36		79869	43429
3.378		232185	137628
3.418		5836	3114
3.5		2255451	1313333
3.517		1096059	588594
3.554		246787	142369
3.57		62167	24317
3.584		150656	79987
3.616		2629678	1834246
3.652		12481	6882
3.673		101470	61720
3.691		56467	31401
3.728		531349	314459
3.744		279279	146377
3.79		1390617	777031
3.801		2853158	1455418
3.84		3088166	2241960
3.901		2573268	1887604
3.943		181836	129279
3.97		1605044	1144650
3.998		1239414	1030279
4.021		395873	213540
4.099		1874469	1317359
4.124		651511	432462
4.155		691705	497132
4.191		1884659	1814915
4.233		564080	439886
4.28		72356	53300
4.32		92505	74869
4.354		601256	422862

RT A	Compound A	Height A	Area A
4.375		491111	311098
4.399		435303	333521
4.469		13537	15890
4.507		128097	109796
4.529		18284	9910
4.548		6832	4215
4.656		6714	5227
4.71		17026	16247
4.749		4795	5412
4.772		7701	6705
4.901		2986	1641
4.989		6312	5814
5.025		54431	49899
5.107		2083	1003
5.117		3511	2885
5.153		2371	1202
5.187		7543	6794
5.267		105051	98737
5.309		5396	3899
5.47		2070	2504
5.516		2129	1576
5.534		2009	1341
5.585		1939	1801
5.673		81390	82440
5.795		178565	174756
5.977		7204	7572
6.021		4642	5840
6.106		2179	2232
6.165		235560	237244
6.229		268780	332559
6.405		2130	1543
6.528		2975	2368
6.57		3548	2313
6.601		147409	150980
6.69		1409	470
6.747	DCB	17361930	17888220
7.13		1252	467
7.221		12077	14203
7.308		1635	529
7.432		1307	555
7.532		1294	1130
7.616		1366	578
7.658		1519	933
7.914		1560	431
8.009		1329	553
8.168		1915	583
8.263		1725	525
8.35		1085	403
8.371		1255	375
8.403		1401	650
8.496		1208	1054
8.53		1779	572
8.581		1706	276

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:34:50 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: 07pcbs17299001B.0035.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.514		2458	2273
1.608		3287	9655
1.79		2968	11848
1.945		5284	23922
2.006		2563	6420
2.047		92211	96859
2.125		22299	40102
2.176		32720	25651
2.308		2211	1592
2.392		2425	4788
2.425		12404	10108
2.654		3858	2117
2.673		62925	66488
2.746	TCX	21331920	14682620
2.788		73171	48098
2.918		206339	162585
2.967		146141	73892
2.979		128463	64390
3.033		1076810	777036
3.084		46165	28714
3.145		148295	109212
3.207		1636	986
3.242		1433787	1578118
3.294		166803	108831
3.315		76204	45659
3.342		93052	53933
3.365		1347163	1017935
3.401		42878	26496
3.43		53097	27056
3.448		319461	177051
3.463		171029	88237
3.515		610459	304368
3.524		1479068	714285
3.558		1401337	1059435
3.633		1496550	1057035
3.667		930768	619796
3.692		1012883	622662
3.71		291949	159185
3.801		1252505	923643
3.825		434092	255710
3.847		416842	272819
3.879		225982	121610
3.896		958649	675316
3.94		367034	299955
3.989		41955	35740
4.012		268251	177128
4.035		581978	410848
4.061		266927	176594
4.081		35048	18476
4.138		27956	25067
4.176		26531	15751
4.191		28335	26969
4.245		5930	6505
4.326		5280	4032

4.35		3152	2459
4.413		7267	10706
4.509		4069	3556
4.581		4803	3986
4.627		38240	35759
4.777		3147	4673
4.812		5363	4640
4.837		2958	1844
4.865		72068	61431
4.942		2655	2397
5.121		3723	2704
5.189		5124	5902
5.268		62469	58422
5.39		131733	126301
5.529		2402	1838
5.576		5662	5766
5.73		205480	195892
5.798		234020	219884
5.848		49398	48140
6.107		3025	2250
6.151		150824	140199
6.185		4492	3249
6.311	DCB	15949310	15198490
6.758		12092	11043
8.617		4455	9738

AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608

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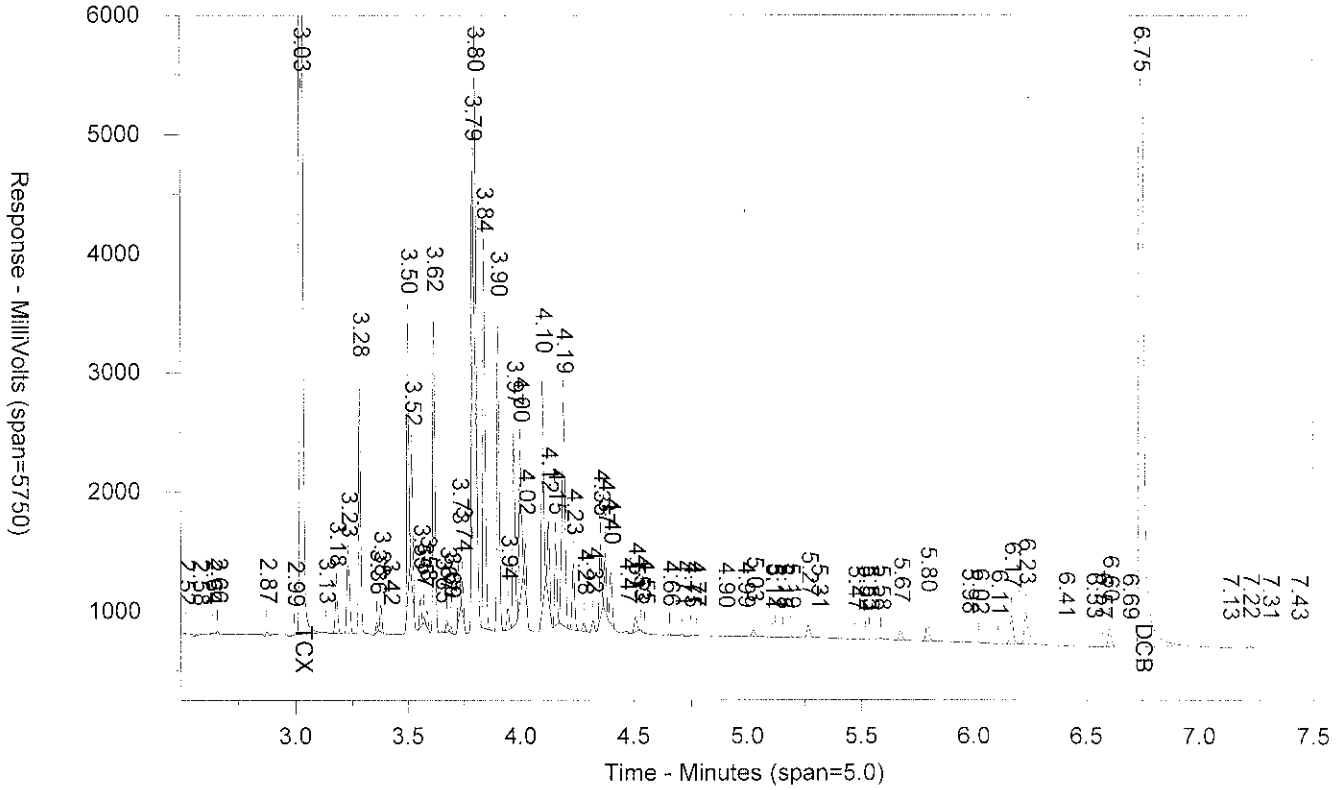

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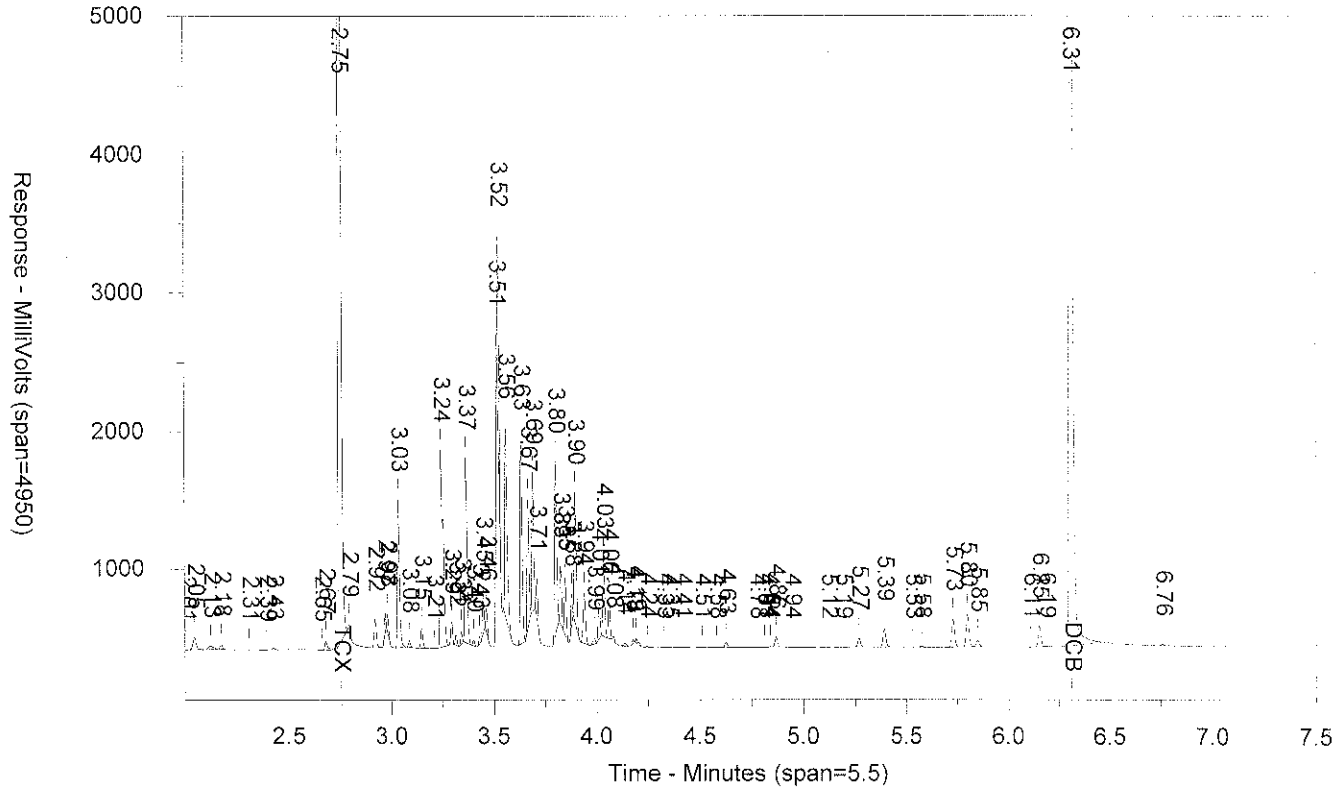

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:34:50 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
3.027	46912110	67.008	TCX	2.746	21331920	62.314	TCX
6.747	17361930	59.977	DCB	6.311	15949310	57.903	DCB

Files:
Area File: 07pcbs17299001.0035.RAW
Area File: 07pcbs17299001B.0035.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 4:43:30 AM
File Reported On: 10/29/2017 at 1:42:40 PM

AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608

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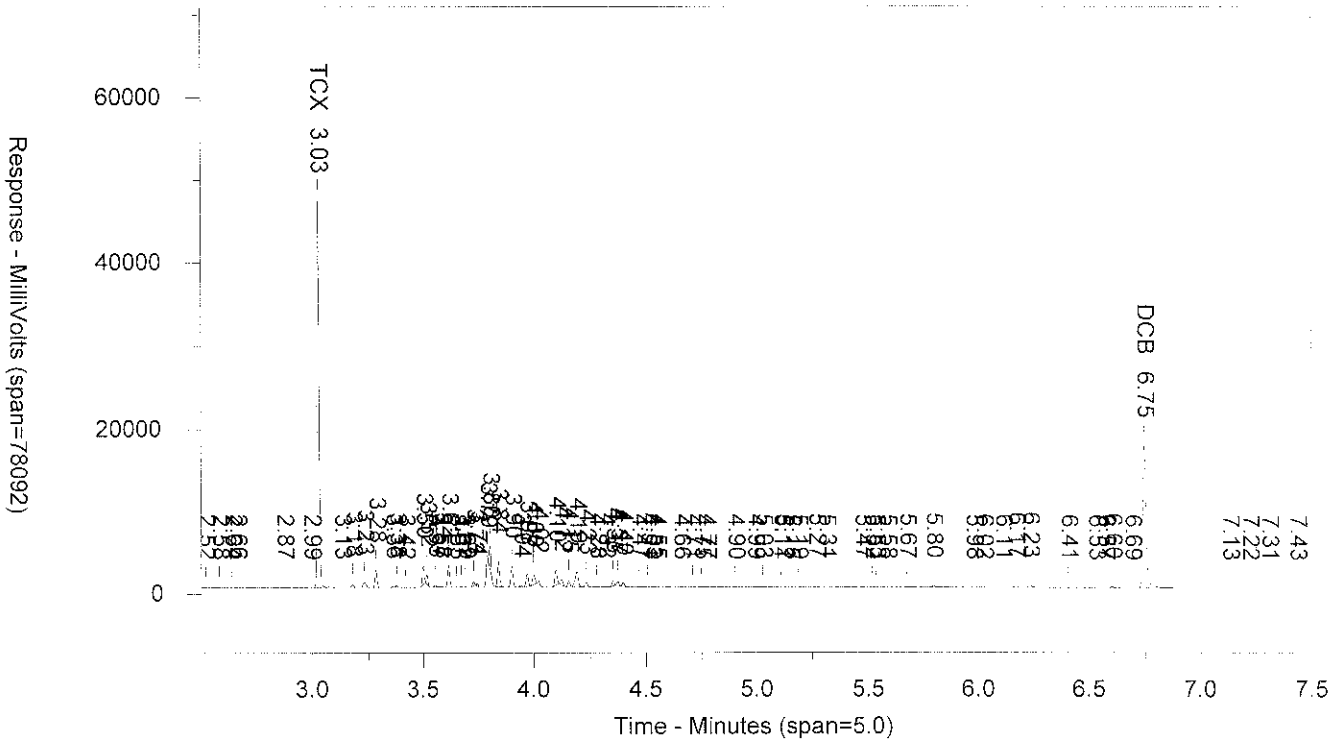

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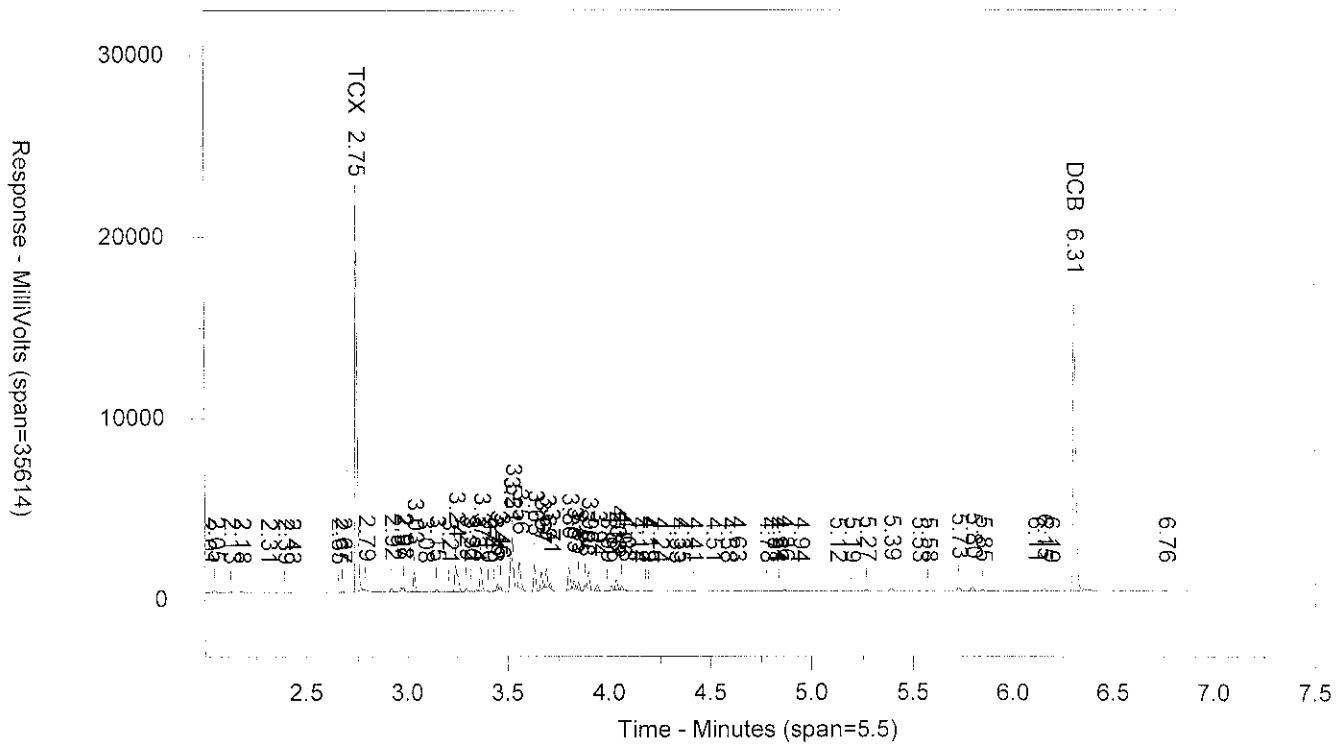

AR16XX1724B AAAR16XAA ICAL 1729899999 06030 EPA 608

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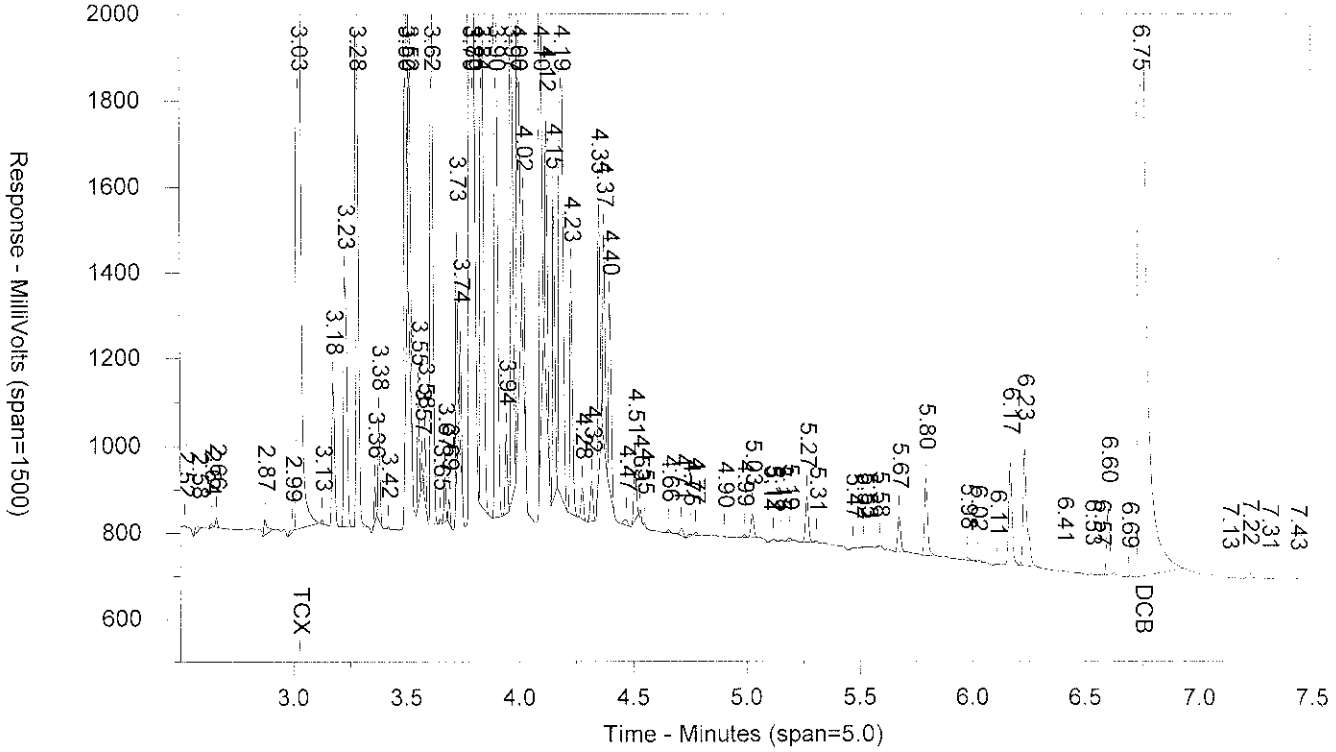

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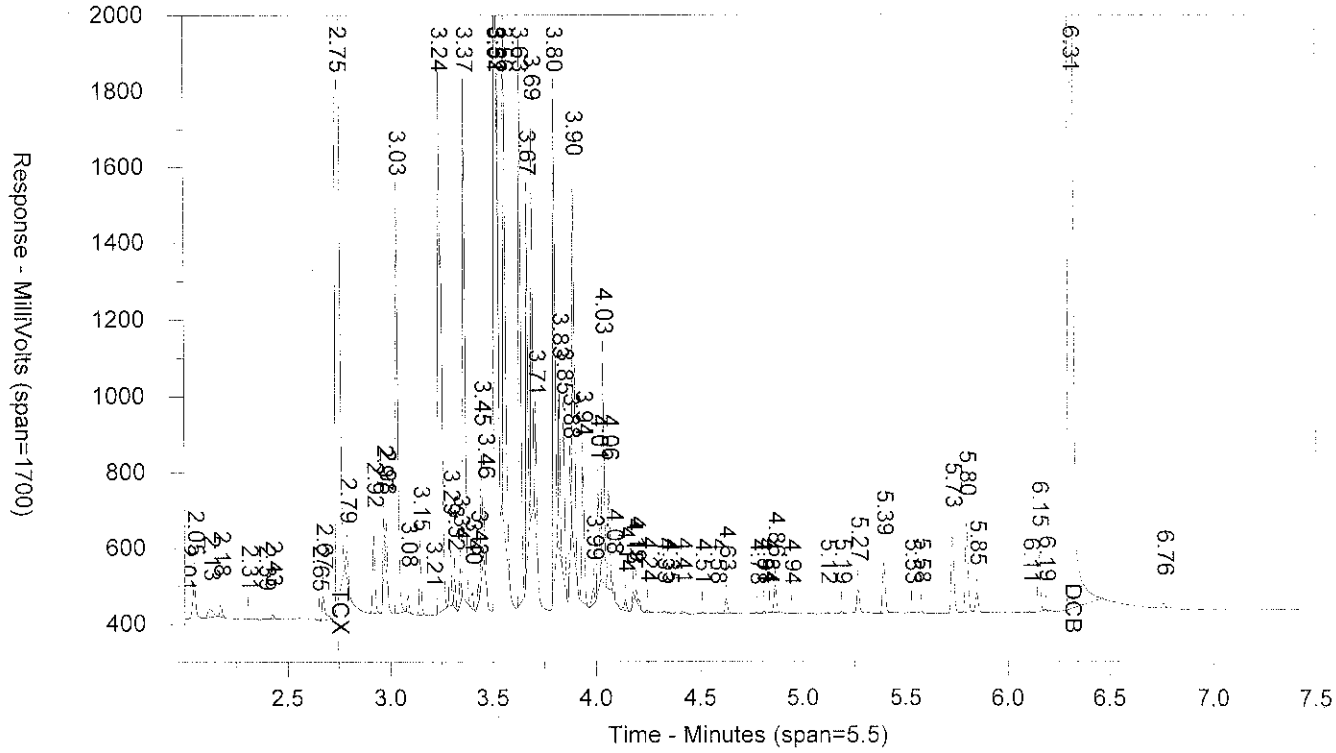

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:46:12 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0036.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.586		12697	39621
1.661		12245	49330
1.81		3692	1976
1.989		2502	1371
2.127		20882	43782
2.18		69151	146953
2.238		6386	5616
2.409		47308	31871
2.466		4880	5517
2.584		6767	12294
2.638		4964	3146
2.875		44912	38520
2.96		12899	14542
3.028	TCX	255295	187997
3.179		8762	7671
3.237		12667	9508
3.285		55828	36430
3.379		8704	15192
3.501		60300	36126
3.519		27529	14906
3.557		5740	3607
3.572		2173	800
3.586		3374	1670
3.618		67348	46645
3.708		2184	1917
3.729		14983	8678
3.746		6830	3521
3.791		37515	18718
3.803		68359	33952
3.841		74396	57368
3.879		951	279
3.902		63958	46114
3.93		1046	232
3.944		4713	2891
3.971		45277	32091
3.999		31770	27618
4.022		8944	3582
4.046		2310	2122
4.069		1435	762
4.1		48310	35252
4.125		17005	10042
4.157		18479	12925
4.192		45843	45120
4.234		14458	12400
4.284		1803	1547
4.31		1407	1160
4.356		46883	36533
4.377		9304	5102
4.401		11084	6852
4.47		6217	4761
4.515		46834	45504
4.596		1806	586
4.642		1467	593

RT A	Compound A	Height A	Area A
4.656		5354	5045
4.711		7001	4680
4.726		7662	4891
4.774		25019	22177
4.821		34235	26023
4.862		10606	7409
4.9		90742	85147
4.99		12940	14254
5.021		4268	3568
5.052		15255	15207
5.103		98242	124626
5.153		22682	19829
5.195		50868	56668
5.274		11082	13013
5.309		125145	135806
5.373		64204	56672
5.416		40976	41690
5.473		3937	4260
5.515		8951	7874
5.537		64428	58995
5.593		39698	36141
5.633		17624	14908
5.673		8275	8138
5.717		21249	20147
5.773		147608	173335
5.978		93344	90052
6.032		26592	47703
6.165		7087	6734
6.225		6036	4058
6.248		15725	11930
6.298		1606	472
6.404		38665	40988
6.604		11085	10737
6.679		1629	571
6.75	DCB	137276	146250
7.048		2950	3931
7.16		1455	521
7.19		1648	1334
7.404		1070	568
7.698		1470	454
7.725		1603	748
7.743		1407	494
7.887		1369	286
7.997		1482	561
8.021		1725	507
8.085		1205	1195
8.159		1978	640
8.402		1921	1281
8.494		1507	1175
8.539		1361	417
8.562		1679	391
8.649		1078	318

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:46:12 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0036.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.632		4105	15936
1.662		5427	11907
1.898		5986	13512
2.038		28872	32763
2.123		34067	84073
2.389		1288	1929
2.489		1769	2245
2.655		5221	3247
2.673		85619	89831
2.746	TCX	131559	94302
2.918		4969	4132
2.979		5575	3755
3.033		31484	21908
3.146		4548	2952
3.242		45334	48660
3.293		4546	2684
3.316		7657	6607
3.346		2567	1584
3.366		42424	31240
3.448		8041	4394
3.463		6818	3957
3.525		73023	84120
3.559		39959	31708
3.634		42499	31358
3.668		32481	20314
3.692		33243	20284
3.71		8189	4433
3.801		36946	26819
3.826		12738	7500
3.848		12589	8719
3.878		7330	3802
3.897		27879	20444
3.94		10519	8080
4.012		6408	3571
4.035		41130	29766
4.062		6988	4498
4.102		6171	5204
4.139		34945	28732
4.193		5439	8713
4.243		5844	6097
4.282		2956	4089
4.351		7423	5988
4.396		7484	4259
4.428		31623	33278
4.456		11208	10713
4.509		80266	68923
4.583		5802	4370
4.607		16339	13298
4.652		91580	81558
4.76		72860	76553
4.817		7956	7210
4.855		20671	20113
4.892		85008	78557
4.926		45839	37426

4.965		30054	25696
5.069		8448	8838
5.122		58757	51040
5.145		5779	3893
5.196		33698	31193
5.232		15410	12173
5.261		11411	10499
5.315		128602	129816
5.391		9071	8592
5.531		30442	29050
5.575		89117	103642
5.731		6597	6748
5.778		1459	1338
5.798		7837	7287
5.848		15982	16052
5.953		36440	32098
6.153		11406	12606
6.277		1319	1286
6.313	DCB	143287	144725
6.792		2909	3112
7.643		1263	1504
7.686		1133	1253
8.045		1396	1773
8.616		5627	25075

MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608

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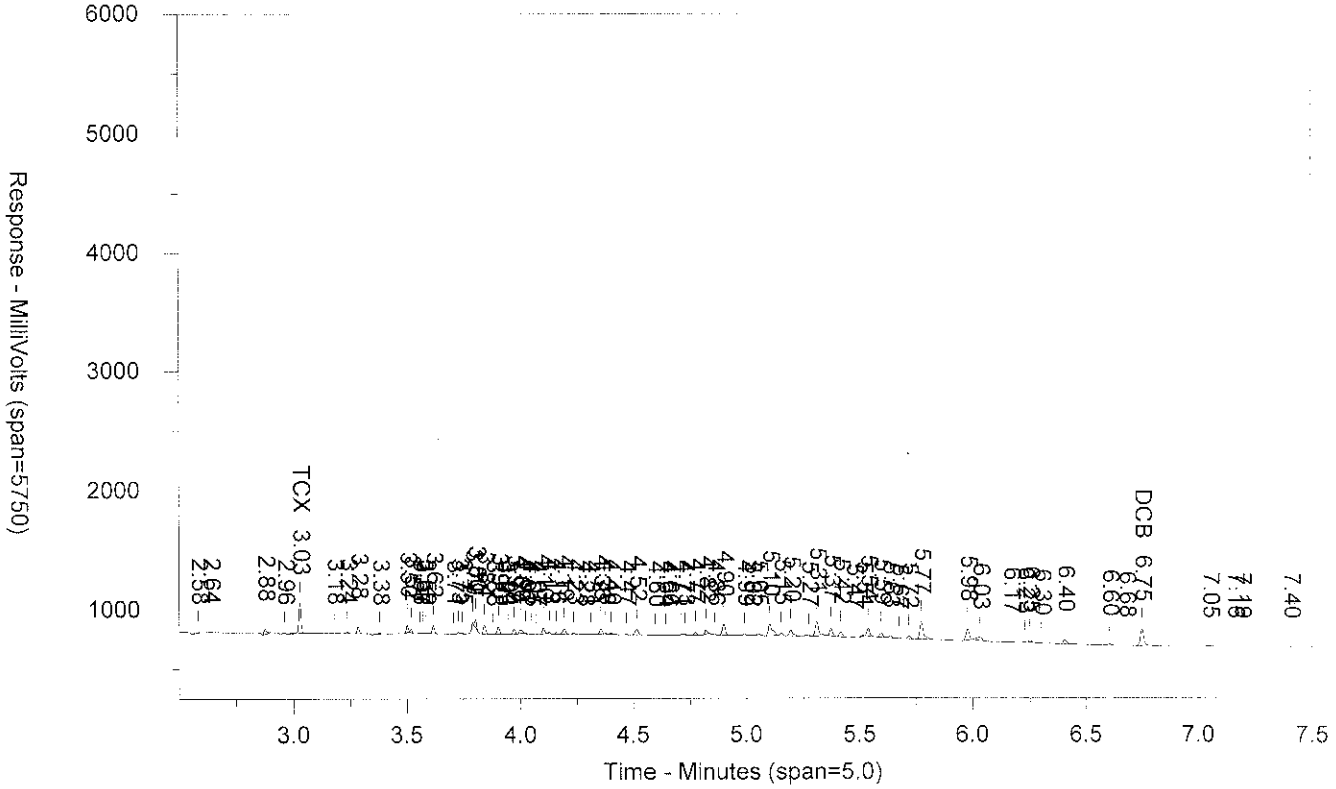

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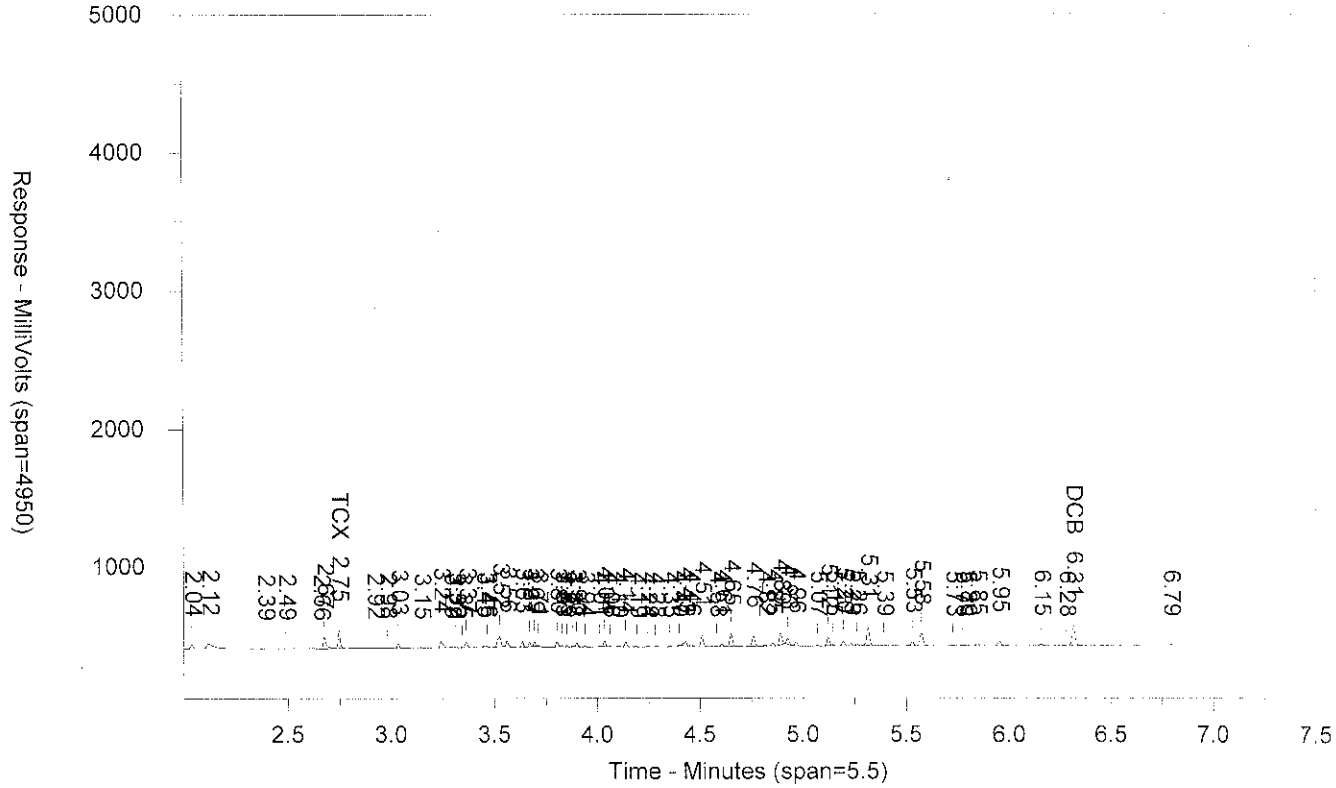

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:46:12 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	255295	.365	TCX	2.746	131559	.384	TCX
6.75	137276	.474	DCB	6.313	143287	.52	DCB

Files:
Area File: 07pcbs17299001.0036.RAW
Area File: 07pcbs17299001B.0036.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:54 AM
File Reported On: 10/29/2017 at 1:42:50 PM

MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608

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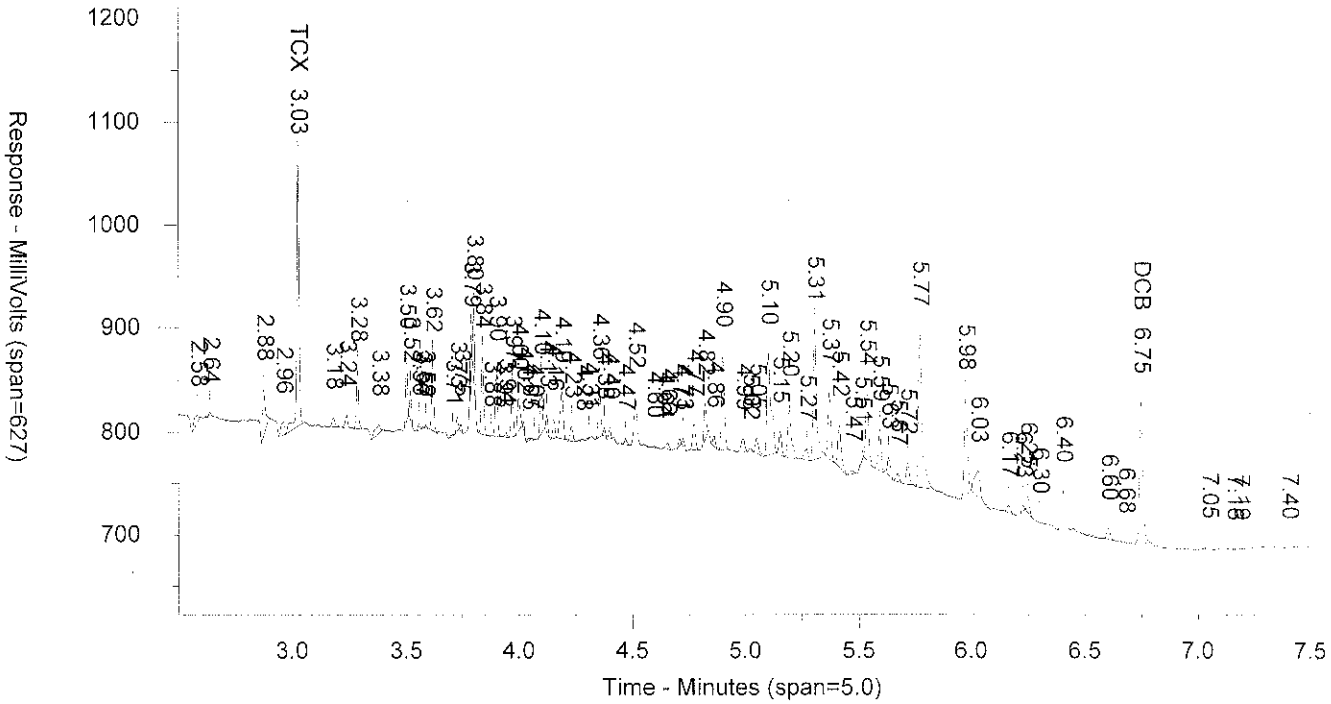

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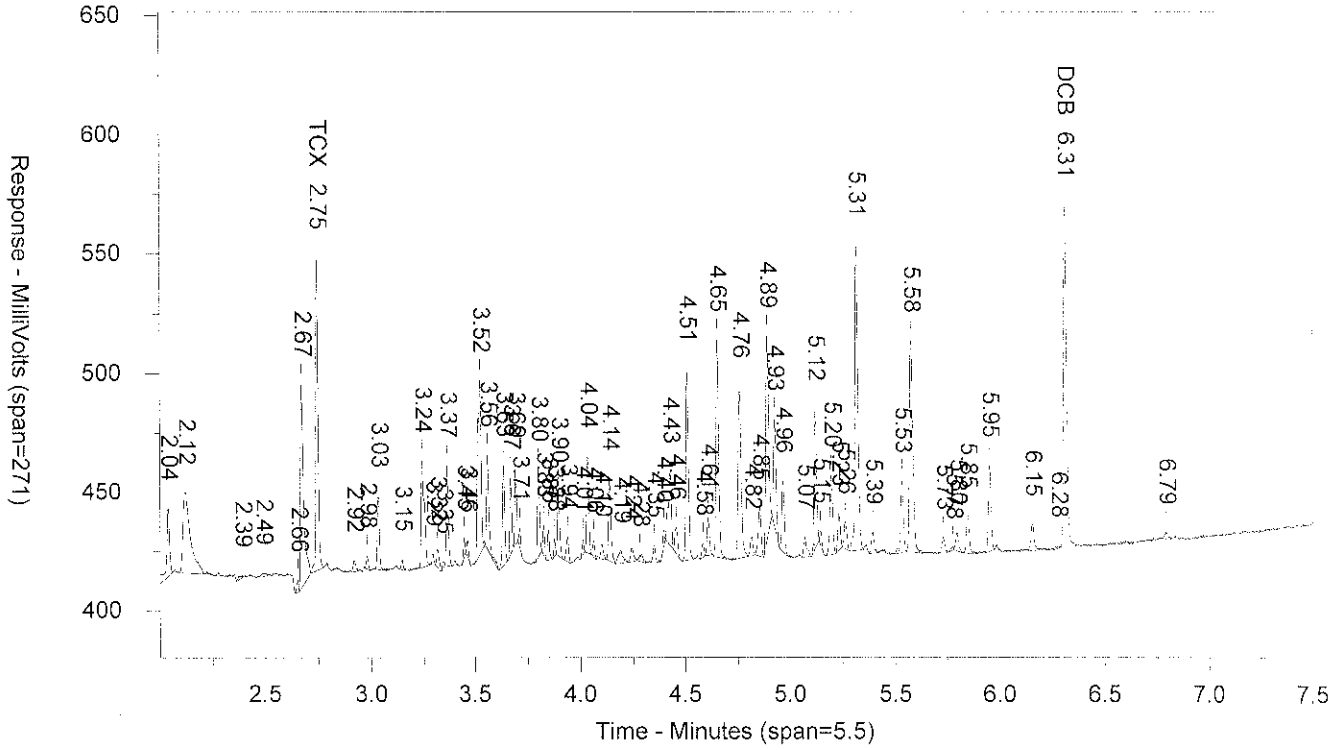

MD16X1724B AAMD16XAA ICAL 1729899999 06030 EPA 608

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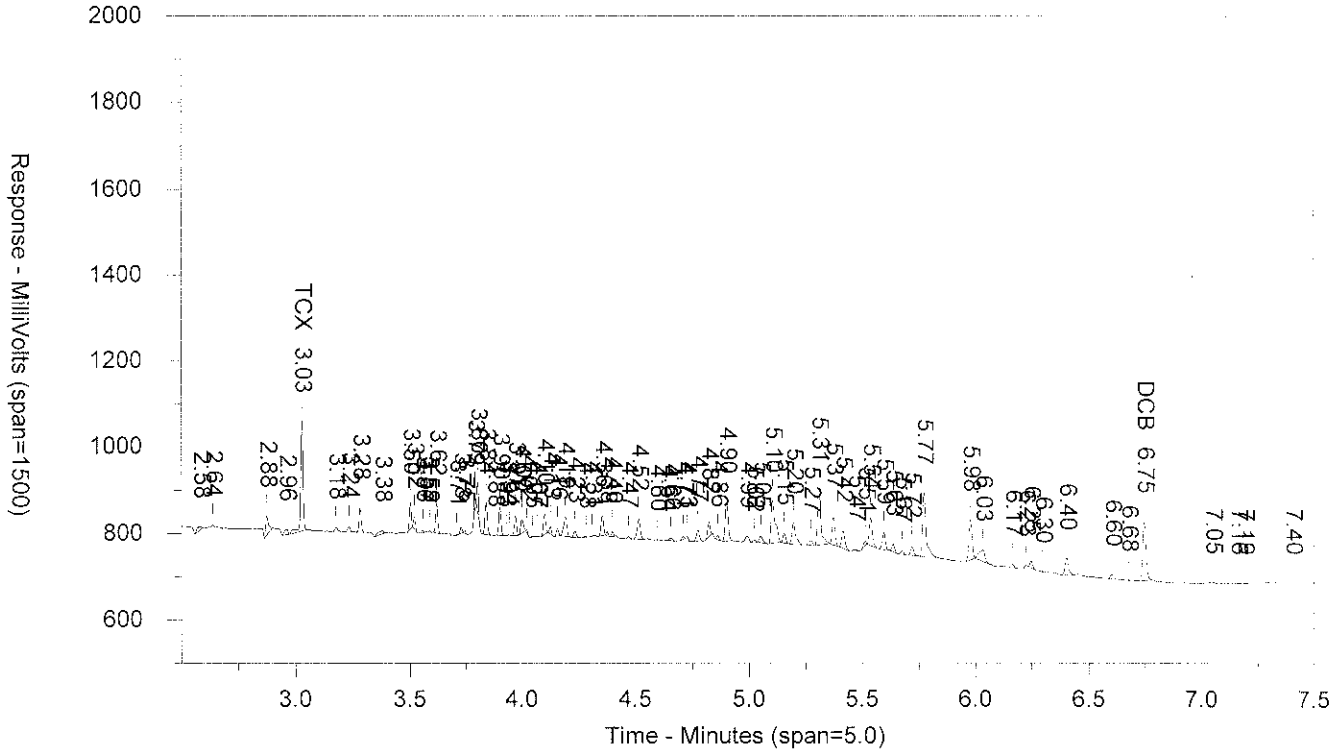

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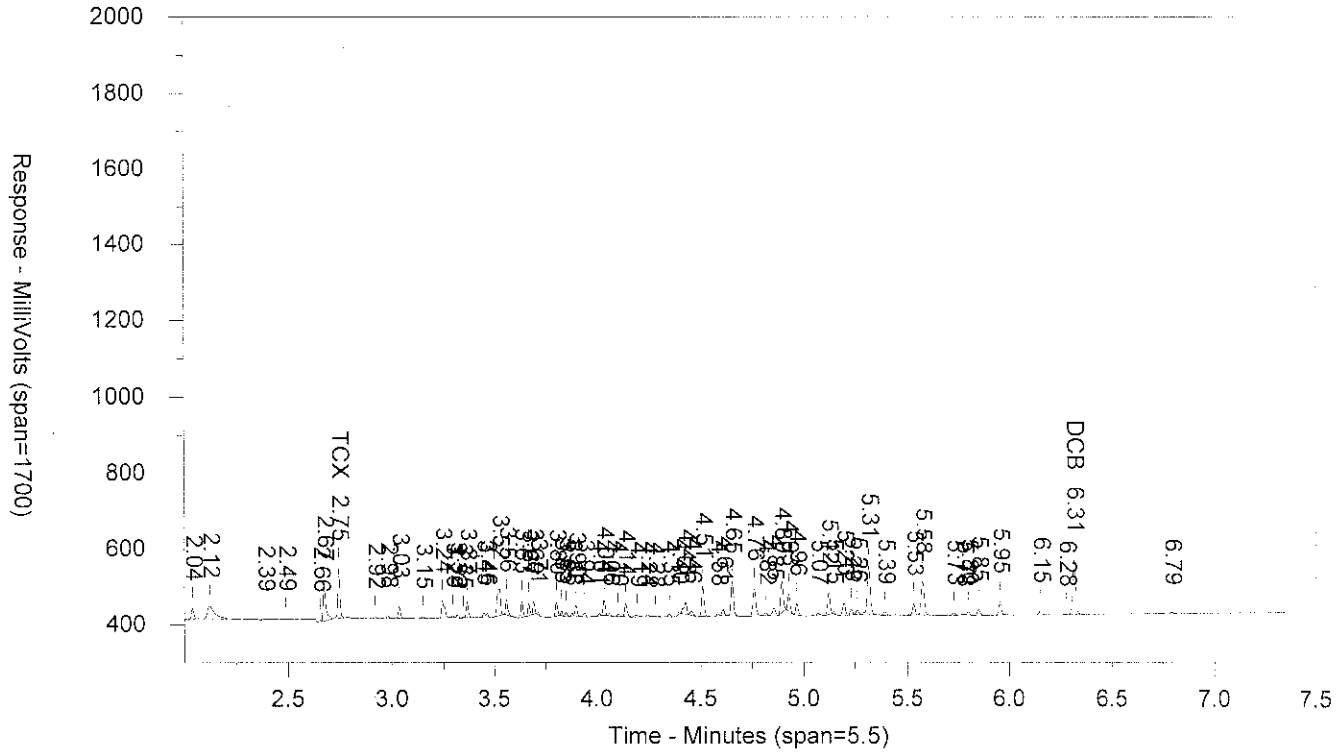

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:57:39 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0037.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.653		8197	35430
1.926		1773	1517
2.119		24054	40958
2.18		60601	130259
2.237		5491	5398
2.315		120801	84492
2.409		40795	26451
2.426		45746	29636
2.463		6017	7060
2.576		9909	11252
2.638		5472	3291
2.662		21703	14110
2.815		3527	1742
2.875		38458	29751
2.991		4788	5184
3.028	TCX	29559660	18853360
3.13		6472	3668
3.179		351501	293117
3.236		489565	479520
3.285		2143269	1450654
3.361		51338	27698
3.38		255348	156206
3.42		7382	4622
3.502		2484395	1429273
3.519		1205151	626334
3.556		255249	148933
3.572		70012	27589
3.586		145070	75309
3.618		2812970	1960548
3.654		13087	6309
3.675		49358	29385
3.693		70636	41886
3.73		572848	335446
3.745		289662	152250
3.792		1542151	842717
3.804		2672036	1411360
3.842		3274739	2383071
3.903		2820742	2012986
3.944		198186	140930
3.972		1782007	1287356
4		1292013	1131345
4.023		364228	191208
4.101		1993763	1393463
4.126		680283	440442
4.158		669395	482241
4.193		1599787	1574972
4.235		425111	336490
4.281		37612	31242
4.322		50104	38240
4.358		1512658	1100885
4.377		158535	85137
4.401		241631	180016
4.472		214963	179476

RT A	Compound A	Height A	Area A
4.516		1571125	1471395
4.552		30846	20279
4.615		14164	11342
4.657		192052	184764
4.712		145325	93855
4.729		394532	281293
4.775		887142	786561
4.823		1677709	1823978
4.861		366220	261870
4.901		3788061	3515195
4.943		16317	12291
4.99		453264	467614
5.026		62916	44527
5.051		578500	524530
5.104		3089877	2440198
5.119		323263	205086
5.155		843164	749680
5.196		2016189	2210299
5.237		12302	6866
5.275		426505	492891
5.31		4910991	4384576
5.332		180020	82052
5.35		53314	20562
5.375		2633371	2279975
5.417		1566036	1448800
5.514		381607	309476
5.538		2730523	2408247
5.595		1374704	1221013
5.634		688296	655718
5.676		187573	179404
5.718		822383	810635
5.774		6479293	7157813
5.979		3808553	3586339
6.033		999338	1759009
6.169		282954	276519
6.231		120120	98546
6.251		540525	424211
6.405		1423661	1374615
6.45		66758	54629
6.605		558325	571531
6.751	DCB	11827870	12445840
7.045		1854	764
7.226		8308	10812
7.268		1617	300
7.395		1828	556
7.41		1463	430
7.586		1819	477
7.76		1444	663
7.796		2031	1041
7.816		1331	887
7.975		1526	723
8.072		1038	449
8.13		1416	1137
8.173		1632	639
8.405		1361	399
8.554		1962	446

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:57:39 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0037.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.597		1944	3562
1.727		1475	885
1.891		2073	2281
2.008		2463	6257
2.047		64514	67413
2.124		26589	49663
2.176		23298	17968
2.354		2738	1742
2.425		12567	10406
2.652		2571	1699
2.673		71968	76306
2.746	TCX	14164930	9675047
2.788		81406	56475
2.918		221816	173326
2.967		82929	41851
2.98		157875	85875
3.032		1099566	802868
3.084		30095	18892
3.145		158282	116129
3.242		1525459	1695169
3.294		171881	113292
3.316		85410	52023
3.343		92846	52955
3.365		1444608	1091446
3.402		51446	31891
3.43		25091	11840
3.448		337456	193119
3.464		180648	90441
3.515		622475	345473
3.525		1634521	759083
3.544		24803	6933
3.559		1486497	1116201
3.634		1609154	1128737
3.668		1046038	697054
3.692		1153086	689700
3.711		317732	170065
3.801		1312227	976347
3.826		447587	262725
3.848		401026	266205
3.879		232323	129428
3.897		804785	555674
3.94		282984	226794
3.988		37197	36561
4.012		112406	69709
4.035		1060443	789473
4.062		128082	83657
4.083		13631	5433
4.101		137853	99451
4.138		1054004	856112
4.176		34871	22643
4.192		53779	42532
4.254		7403	9582
4.289		89183	116026
4.327		6592	3513

4.351		240547	200505
4.397		247877	166958
4.415		85481	54808
4.428		801180	532589
4.455		412195	440583
4.51		2599781	2269000
4.557		38733	32034
4.582		165480	118632
4.608		556224	445990
4.651		3016585	2706298
4.76		2463908	2515794
4.816		296376	268075
4.855		671260	637395
4.892		3069850	2777601
4.926		1545832	1226802
4.965		1036253	901838
5.07		351920	386611
5.122		2085143	1748962
5.145		167162	105881
5.197		1087736	1053046
5.233		498819	409360
5.261		361978	327844
5.294		61657	38793
5.315		4942941	4374665
5.356		88829	68932
5.391		254687	233019
5.508		38161	24666
5.531		970224	862606
5.576		3364534	3718731
5.694		3771	3259
5.732		251719	228528
5.774		72787	54506
5.8		208317	179216
5.849		575915	543756
5.954		1240194	1123015
5.986		61954	44896
6.154		525600	504604
6.314	DCB	11248200	10606590
6.761		9077	7990
8.196		1602	2679
8.614		4896	9280

IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608

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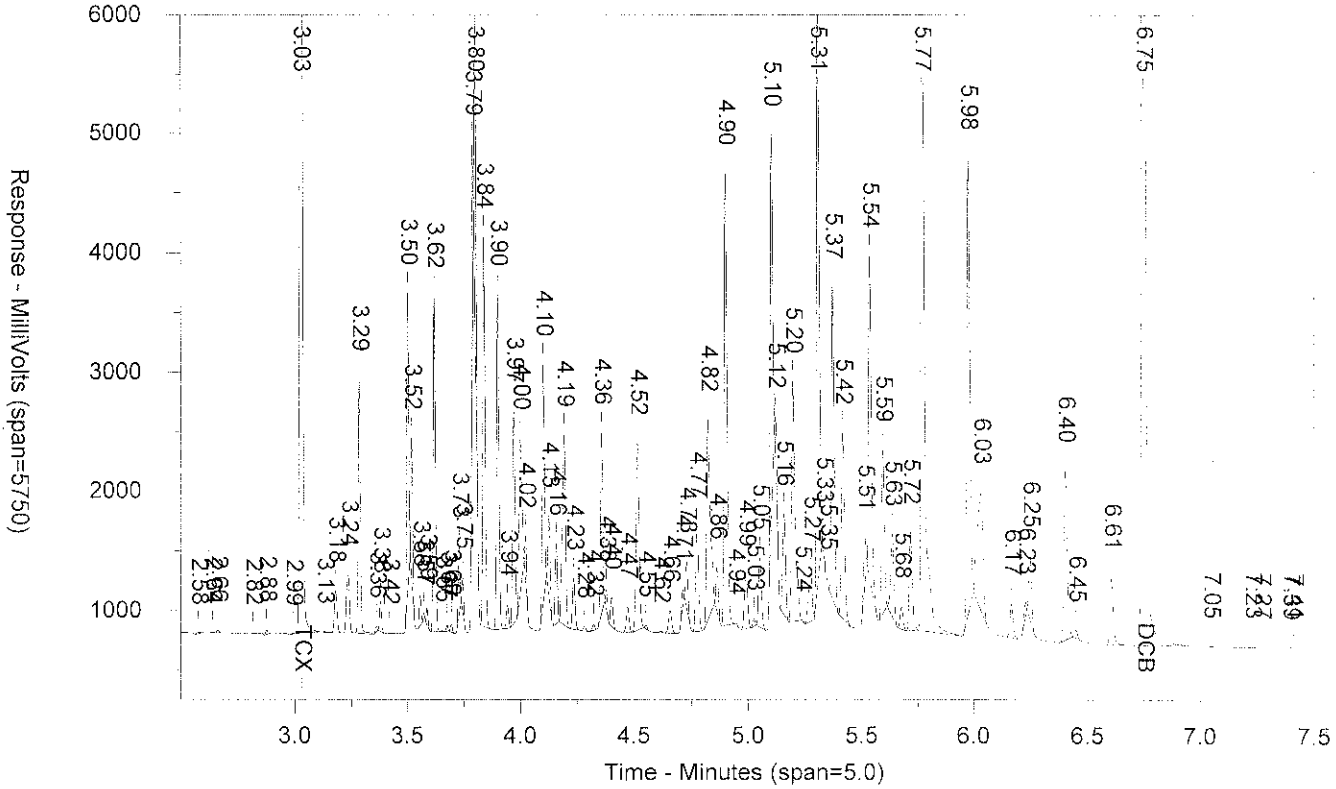

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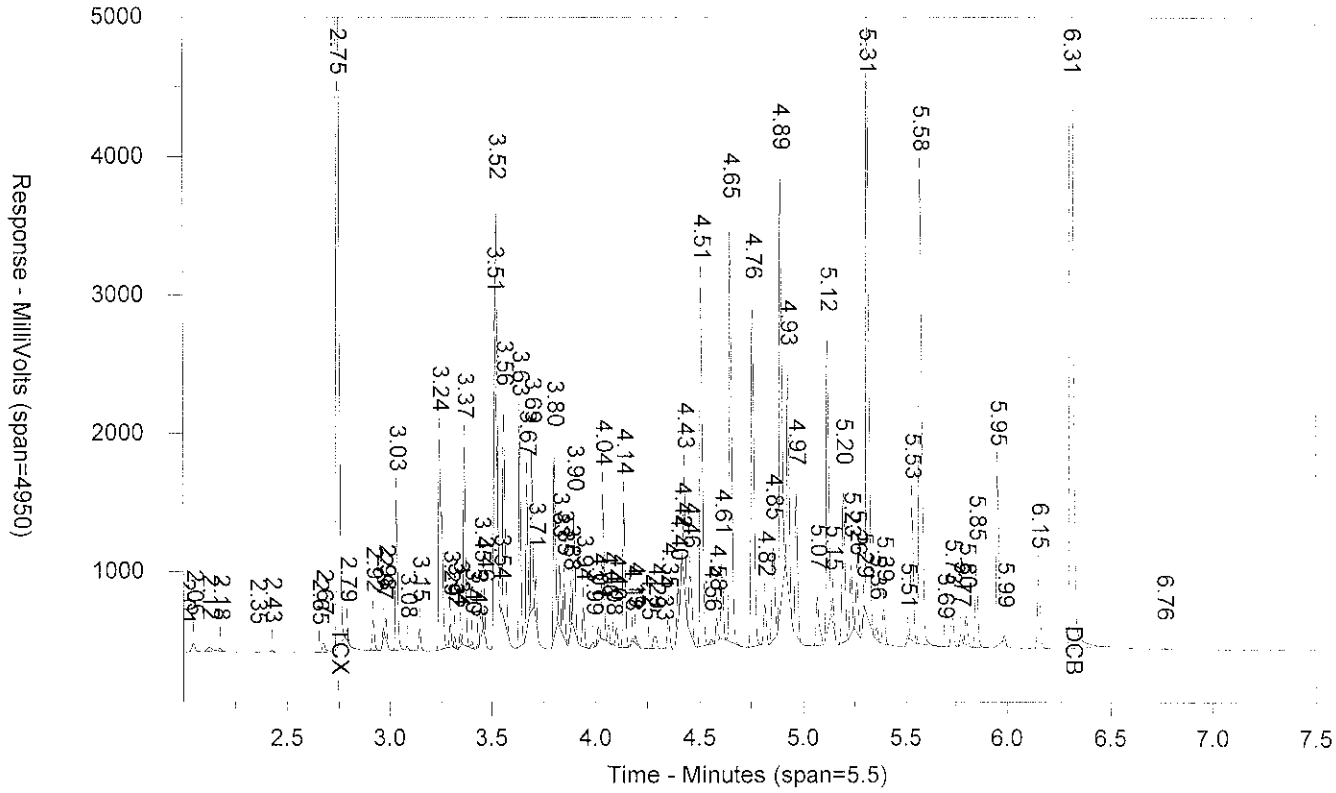

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 4:57:39 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	29559660	42.222	TCX	2.746	14164930	41.378	TCX
6.751	11827870	40.859	DCB	6.314	11248200	40.836	DCB

Files:
Area File: 07pcbs17299001.0037.RAW
Area File: 07pcbs17299001B.0037.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:54 AM
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IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608

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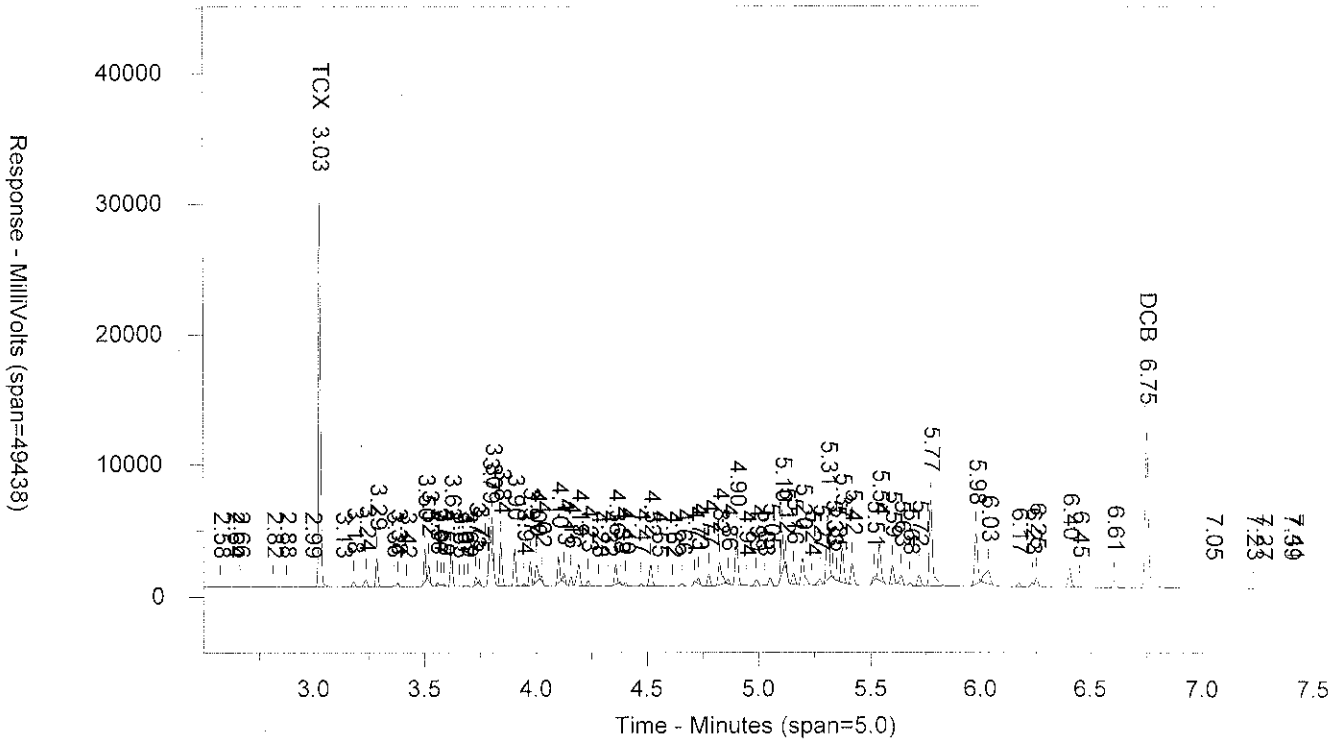

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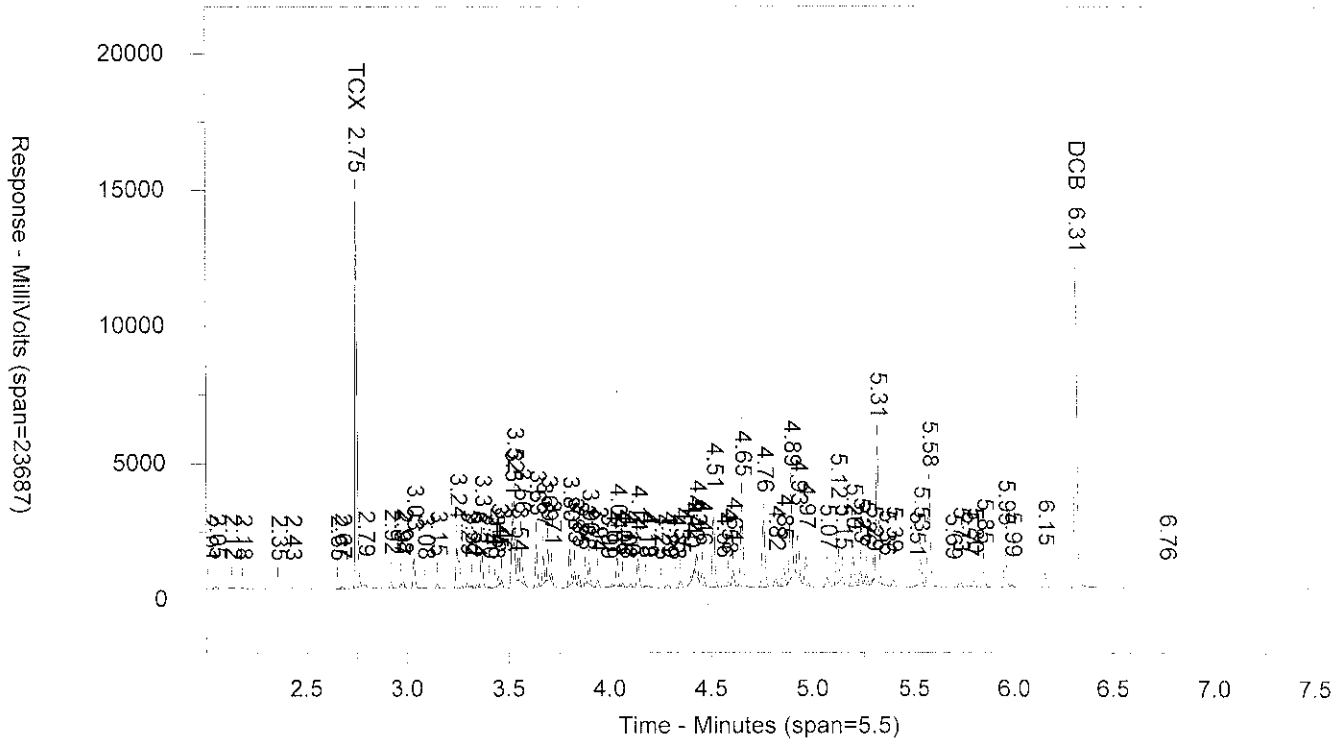

IC16X1724C AAIC16XAA CCAL 1729899999 06030 EPA 608

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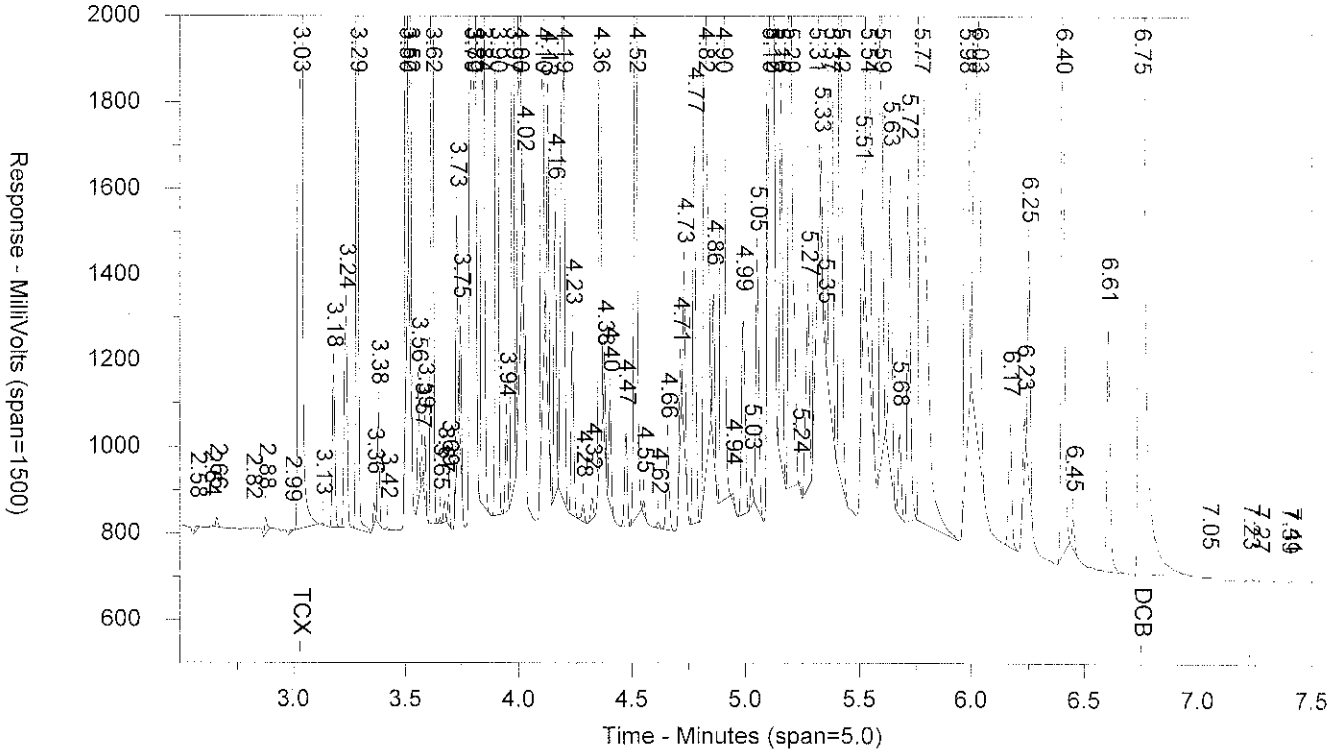

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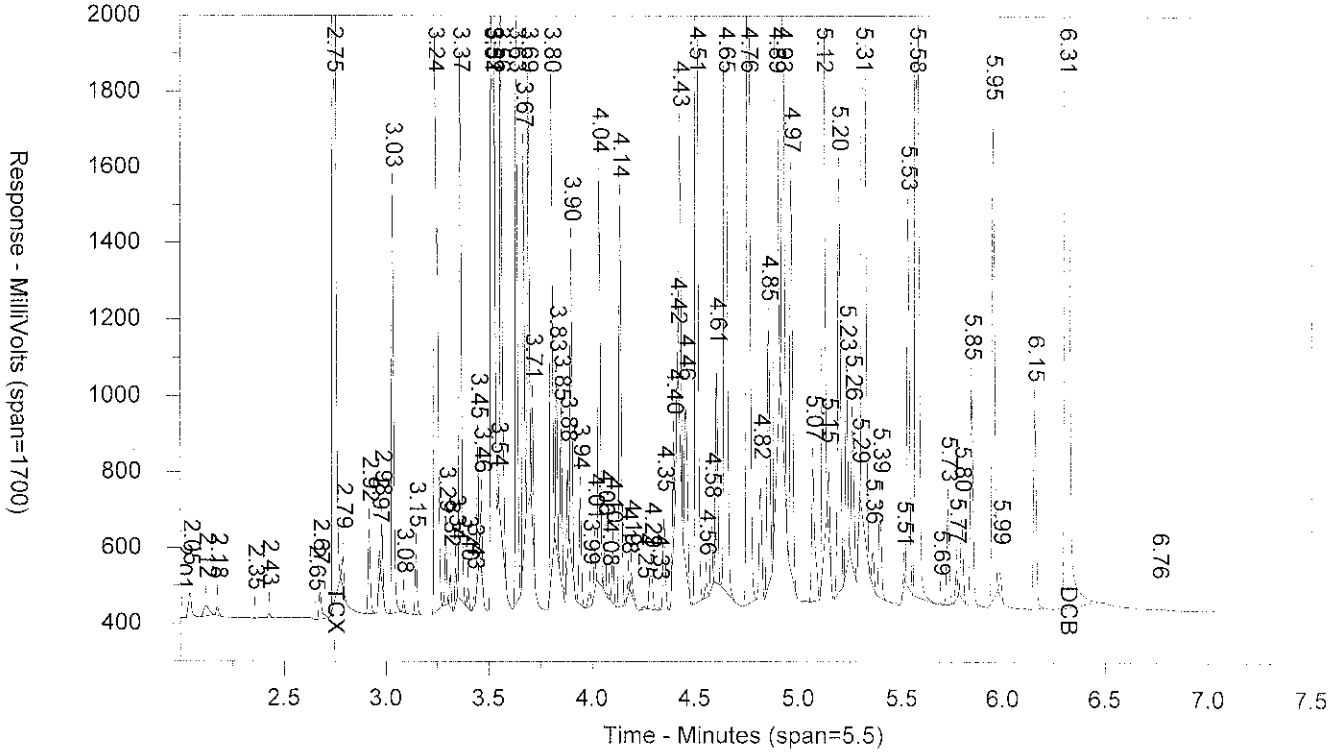

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:09:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0038.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.541		3368	2758
1.589		3105	2285
1.64		24925	31038
1.945		2605	2036
2.127		26517	67807
2.181		51029	119191
2.242		3938	4508
2.315		112448	81405
2.409		43666	27934
2.426		42345	28601
2.468		5092	5027
2.58		7940	12110
2.637		7294	6366
2.662		3796	1906
2.79		1859	901
2.875		27278	20450
2.994		5197	7547
3.028	TCX	28037080	18256820
3.129		4371	2983
3.181		65755	54415
3.23		323495	229059
3.286		277912	181982
3.362		59410	35895
3.38		58019	32875
3.503		1096251	644388
3.519		330462	170020
3.556		69131	40775
3.573		18681	8194
3.587		11984	4926
3.619		942693	687600
3.675		53949	33920
3.694		33728	18680
3.73		182455	111700
3.746		48639	24484
3.792		1042132	563019
3.803		984988	481775
3.842		1229910	965189
3.903		1354259	1022501
3.945		198925	134951
3.972		2455415	1766395
4		1620666	1308079
4.023		476435	257026
4.101		2834435	2020302
4.126		807411	536625
4.158		930947	691346
4.193		2382361	2152658
4.234		728575	573414
4.282		74748	60548
4.322		216047	178128
4.357		2075282	1408490
4.378		2403610	1568771
4.401		2945422	2160469
4.472		218457	196484

RT A	Compound A	Height A	Area A
4.51		2180130	1839575
4.532		657269	363210
4.551		463678	297386
4.593		37072	24846
4.617		124463	92735
4.659		646275	573503
4.712		972568	839769
4.745		539479	417891
4.775		1677199	1432617
4.821		17253	10932
4.861		593044	525714
4.902		107668	134518
4.951		142008	125133
4.993		1019728	926989
5.026		37791	27982
5.074		112414	146795
5.106		47542	32337
5.121		73623	48137
5.152		5885	4516
5.193		1022297	982288
5.238		21467	14872
5.268		94273	98738
5.311		241865	211958
5.333		13295	5659
5.351		16342	9927
5.372		6920	5350
5.417		15838	31969
5.475		6005	19447
5.518		83049	67398
5.537		7878	4740
5.591		11091	10341
5.633		4442	3631
5.674		62248	61688
5.716		45929	38745
5.742		8813	11698
5.797		154661	168253
5.886		9129	7879
5.979		31664	30691
6.012		1268	322
6.112		4992	17385
6.168		179140	174463
6.232		199681	253561
6.405		12814	32146
6.534		2800	1829
6.568		1976	1267
6.604		118461	125899
6.656		3131	2772
6.698		1707	952
6.75	DCB	11337430	11971920
6.918		3035	2577
7.125		1671	549
7.225		7803	11633
7.526		1581	1446
7.631		1226	1136
7.794		1733	964
7.841		1638	976
7.922		1806	1073
8.295		1362	399
8.51		893	440
8.659		1375	670

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:09:06 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0038.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.514		2980	2852
1.546		5517	5216
1.63		2105	8918
1.66		2236	1925
1.908		3973	10750
2.006		2569	5986
2.047		62515	66263
2.122		20132	35445
2.176		21923	16905
2.393		3571	6877
2.654		3148	1786
2.674		51924	55613
2.746	TCX	13551700	9601719
2.919		43493	33900
2.967		161669	128380
3.033		148173	107247
3.085		29816	19577
3.146		42312	29455
3.242		692994	692670
3.294		46676	29564
3.317		26248	18188
3.345		7503	4244
3.366		541653	409463
3.403		30138	19179
3.431		31377	16675
3.449		103404	59120
3.464		31447	14948
3.516		439017	248054
3.525		525034	239213
3.545		80644	30347
3.559		540269	364458
3.635		806565	591648
3.669		1444711	960915
3.692		1284875	779903
3.711		383862	210438
3.802		1771671	1302777
3.826		511349	303857
3.848		563195	376266
3.879		199050	106208
3.897		1191507	835821
3.941		488579	387859
3.99		87091	77517
4.013		976037	651827
4.036		2496328	1731252
4.062		1725921	1179838
4.082		95952	43947
4.102		107527	63896
4.139		730730	586142
4.177		1153711	997602
4.207		641661	408473
4.255		88621	68722
4.291		449477	378927
4.352		733411	631845
4.386		427196	322034

4.415		1150872	957701
4.457		13544	12791
4.513		456864	493460
4.549		113827	89173
4.582		795429	709672
4.628		15398	9123
4.652		76008	53759
4.68		56491	45475
4.759		103665	106546
4.811		755878	686644
4.866		47959	53439
4.894		191506	189244
4.942		20462	14967
5.039		11710	19446
5.087		14033	16030
5.122		10325	6766
5.147		73905	64371
5.196		8797	9550
5.232		3885	2451
5.269		45684	34763
5.294		27019	18982
5.315		15501	9629
5.391		113057	115337
5.532		6202	4246
5.55		4166	2076
5.576		22265	23832
5.732		158136	160507
5.801		174835	163296
5.849		41816	36277
5.95		5096	4450
6.107		2174	1816
6.154		112618	104017
6.209		2613	2533
6.276		2151	4576
6.314	DCB	10909600	10335090
6.762		9758	9750
6.794		2965	2697
7.696		1394	1472
8.624		3494	6052

IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608

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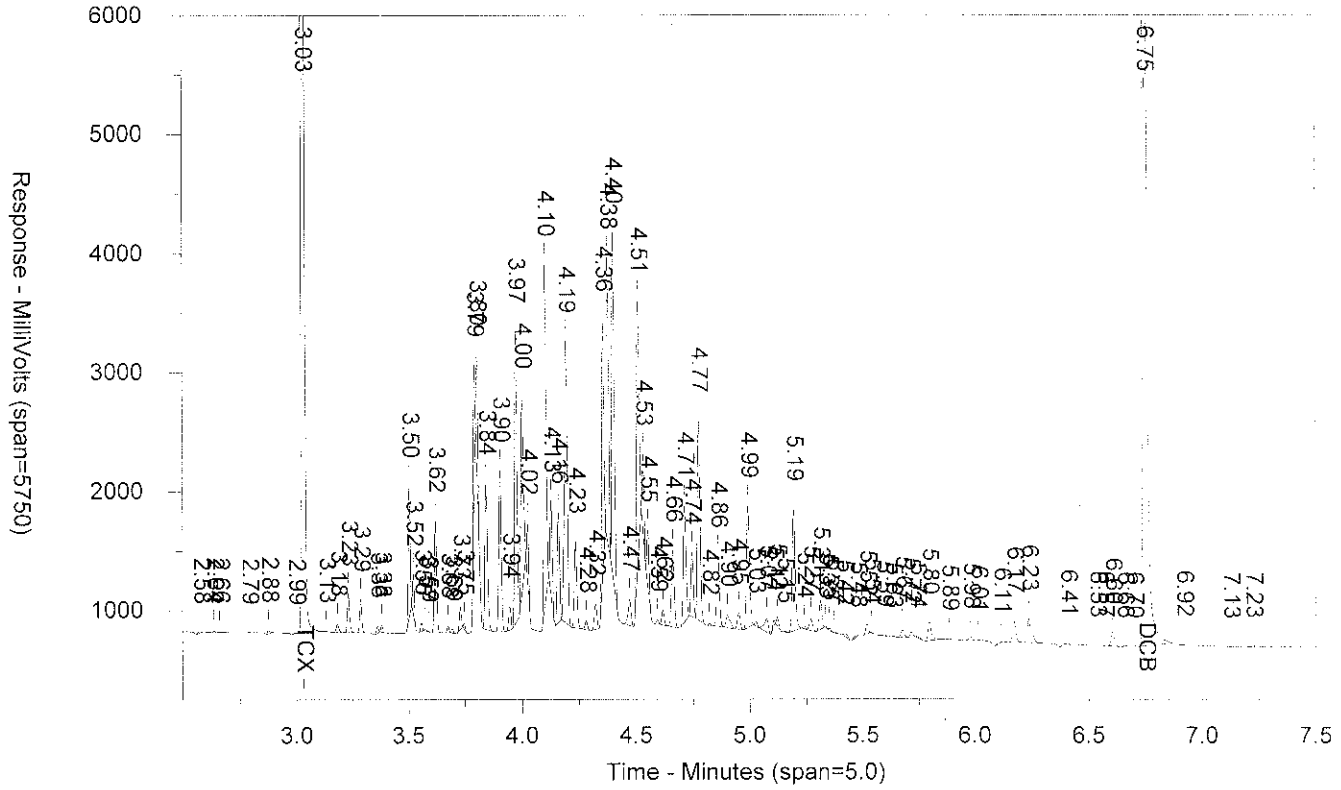

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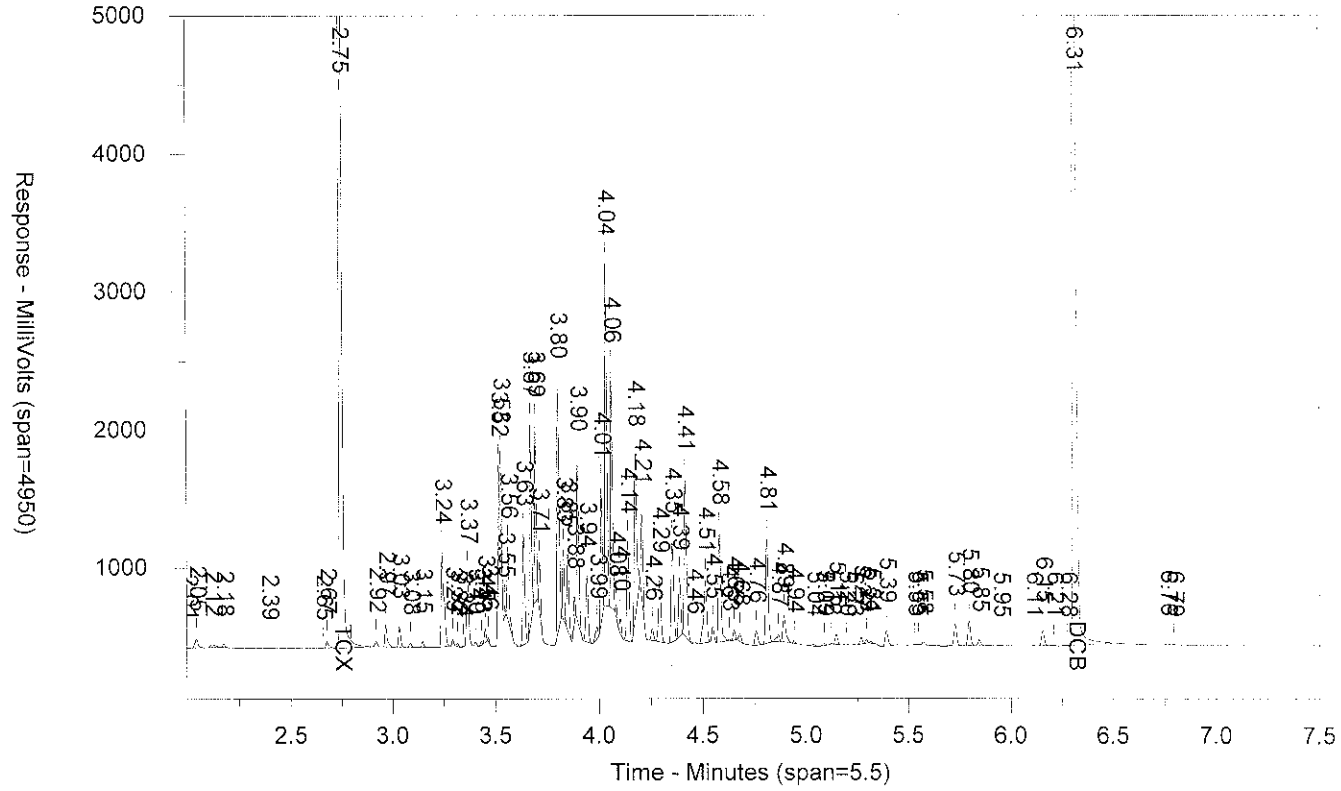

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:09:06 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	28037080	40.047	TCX	2.746	13551700	39.587	TCX
6.75	11337430	39.165	DCB	6.314	10909600	39.607	DCB

Files:
Area File: 07pcbs17299001.0038.RAW
Area File: 07pcbs17299001B.0038.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:54 AM
File Reported On: 10/29/2017 at 1:43:14 PM

IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608

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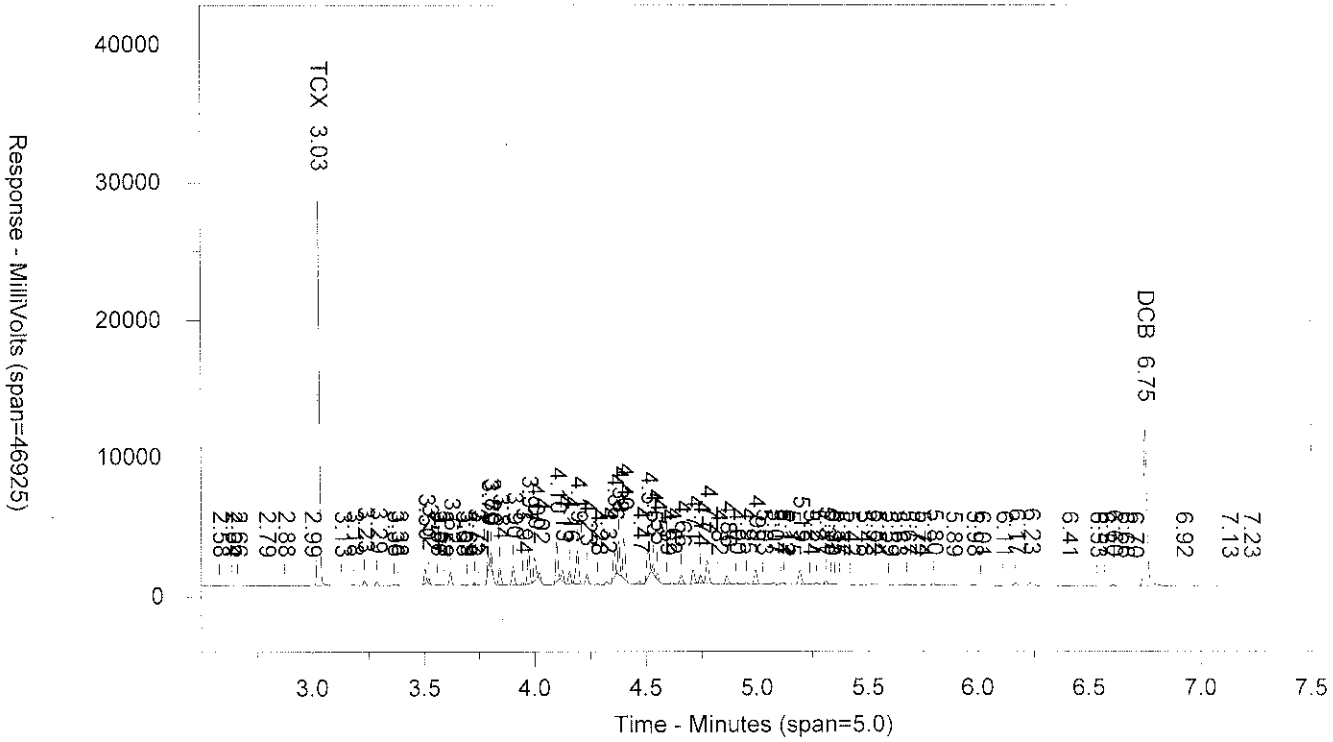

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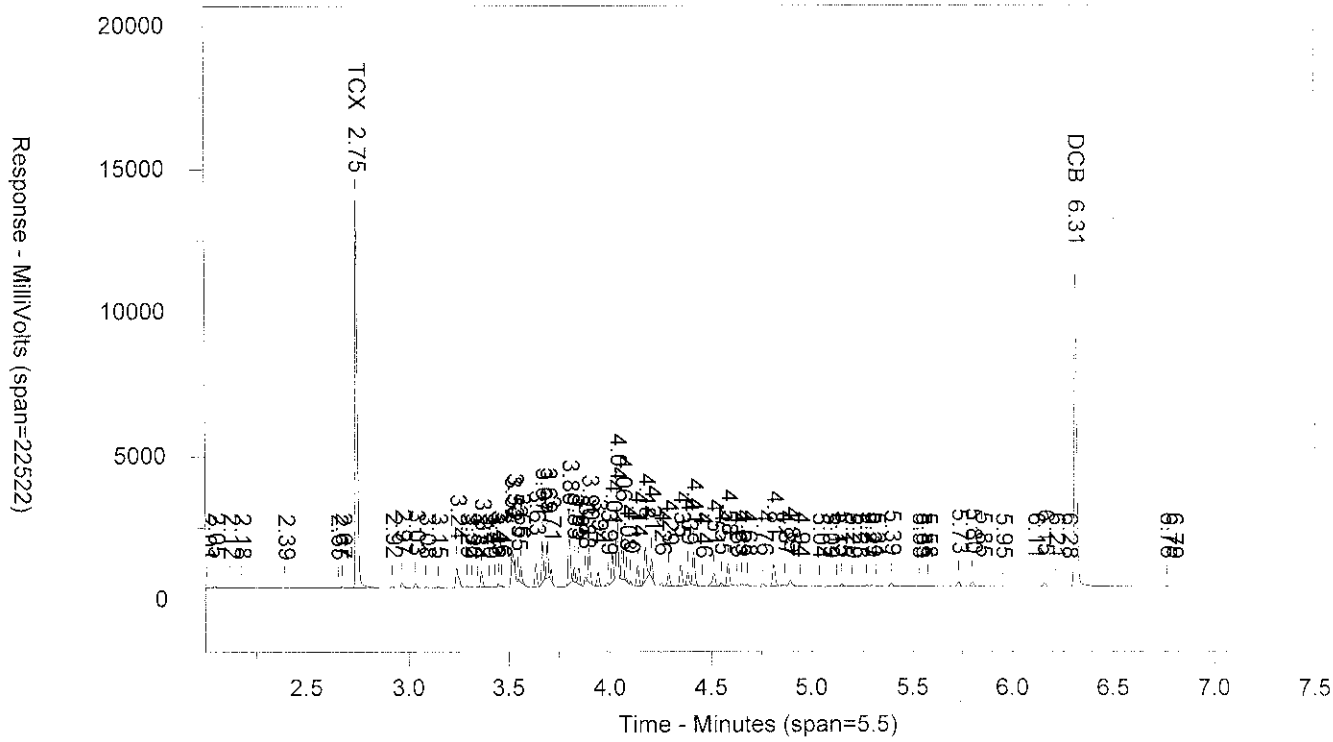

IC48X1724B AAIC48XAA CCAL 1729899999 06030 EPA 608

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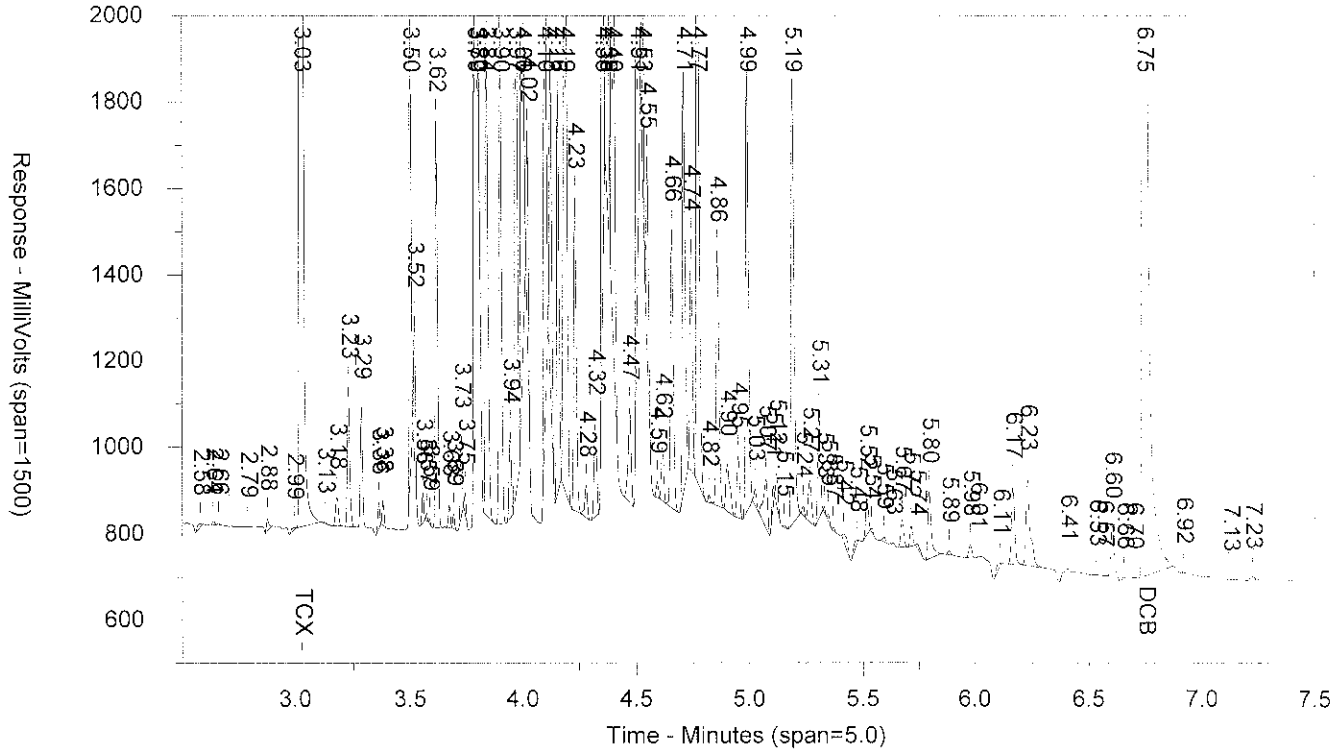

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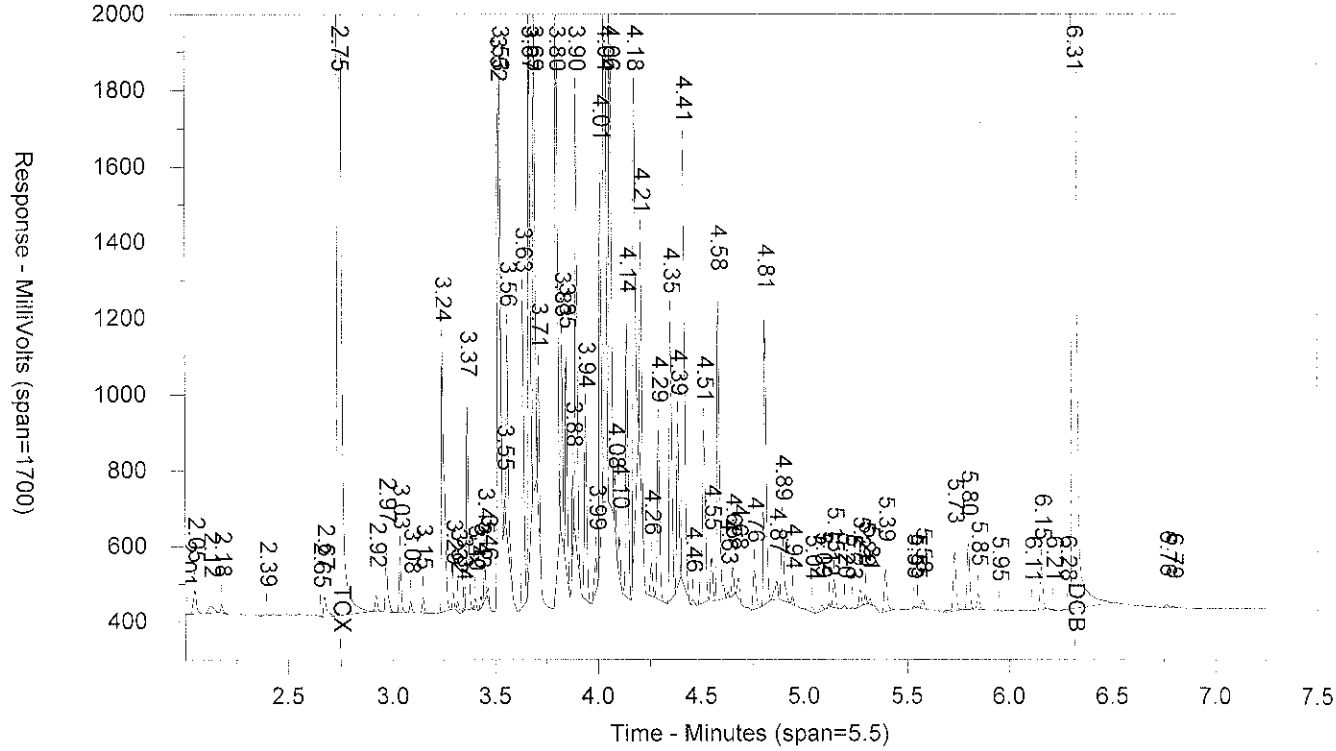

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:20:30 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: 07pcbs17299001.0039.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.54		1923	908
1.649		5212	19656
1.785		1893	1091
2.12		19199	34958
2.18		64384	119633
2.315		57278	40278
2.41		48883	31897
2.426		21167	14704
2.463		3437	2165
2.585		6021	10883
2.638		3982	1755
2.705		2008	1031
2.875		44732	35913
2.962		11720	13100
3.028	TCX	13757190	8831955
3.179		13454	11317
3.229		163240	109604
3.285		41151	27875
3.362		32105	21797
3.502		75696	44775
3.519		23808	13435
3.557		3362	1872
3.572		19920	13678
3.618		65798	45837
3.675		26032	15516
3.693		35802	21753
3.729		15689	8914
3.745		6199	3003
3.791		58164	32847
3.804		39053	34083
3.842		143256	113394
3.881		707	165
3.901		83785	64086
3.943		10376	6401
3.971		2227246	1613773
3.999		546908	422039
4.021		33114	13959
4.1		1317397	994772
4.125		77904	47431
4.157		125913	89695
4.192		541643	486204
4.234		106688	81769
4.265		7627	3758
4.281		12347	6822
4.319		95668	74017
4.357		3384123	2359227
4.377		1227628	732536
4.403		949355	737139
4.471		839135	709475
4.514		4810343	4871372
4.551		1709963	1353437
4.592		61554	40151
4.616		278169	215632

RT A	Compound A	Height A	Area A
4.659		1607664	1376650
4.711		3198733	2743762
4.744		726444	488245
4.774		6307870	5423625
4.822		265836	183767
4.838		105463	54475
4.861		832804	630531
4.901		1861883	1855337
4.95		338117	297884
4.992		3901346	3613229
5.023		69001	43024
5.05		344328	278030
5.074		77099	45212
5.103		1299074	941307
5.12		711826	445411
5.154		47879	31752
5.193		3199512	2908291
5.238		318966	244457
5.263		309565	445313
5.31		4184496	3559069
5.332		223995	119117
5.35		137976	79588
5.374		101323	70260
5.417		145713	165806
5.49		5022	2859
5.517		1075065	867494
5.537		175421	108750
5.594		142450	123811
5.634		123816	110445
5.675		48997	43682
5.715		685986	591922
5.741		86670	59105
5.774		484374	421662
5.796		21952	11605
5.98		424920	398681
6.01		57534	52677
6.099		2165	1052
6.167		81514	83614
6.231		78548	74653
6.405		22247	23303
6.605		53966	54943
6.751	DCB	5624055	5897009
7.011		1576	384
7.23		4212	5678
7.403		1597	655
7.461		1654	587
7.492		1280	494
7.536		1443	512
7.588		1652	926
7.603		1153	517
7.656		1400	511
7.719		1678	712
7.757		1338	996
7.834		1191	929
8.08		857	320
8.3		1239	280
8.368		1328	898
8.411		1121	720
8.451		1250	469

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:20:30 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: 07pcbs17299001B.0039.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.627		3465	13660
1.664		3259	5476
1.894		4199	12928
2.009		2152	5914
2.045		38097	46350
2.124		31492	58579
2.176		10318	7533
2.28		2427	2380
2.41		1621	4635
2.491		1902	34658
2.655		4777	2951
2.674		88138	91761
2.746	TCX	6726902	4684799
2.919		7687	6197
2.967		82961	59586
3.033		22860	15272
3.085		15060	11942
3.242		54096	58922
3.292		3169	2131
3.317		20374	14708
3.366		42139	34523
3.403		29205	19480
3.431		18184	10203
3.45		6685	3192
3.464		7562	3955
3.515		31244	15898
3.525		21583	8486
3.545		18594	8483
3.56		57538	45071
3.635		57330	41704
3.668		1358085	928521
3.692		398836	265060
3.801		830522	613815
3.826		52303	28376
3.848		84060	62942
3.879		37974	18708
3.897		295034	210172
3.94		77585	65217
3.981		63896	58946
4.012		241942	150790
4.036		3222837	2391271
4.062		267209	157622
4.083		270168	150253
4.102		501070	332720
4.139		2863115	2217298
4.173		990525	696223
4.192		624544	384059
4.255		208999	169228
4.292		1068215	913753
4.351		2328029	1902978
4.386		568776	431556
4.415		4004809	3406818
4.455		272239	273422
4.511		1834036	1792214

4.548		275091	221742
4.582		2679688	2122917
4.607		345409	228268
4.651		1598740	1365274
4.678		62128	40215
4.757		1488062	1545044
4.811		1942294	1702993
4.853		446967	411827
4.893		3152709	3245820
4.942		197326	136964
4.966		78410	56183
5.031		35644	40610
5.086		147924	144869
5.122		126702	89300
5.146		875695	772397
5.197		118361	104986
5.233		94384	78658
5.264		50606	46409
5.294		415033	310418
5.315		278472	232879
5.391		57035	55493
5.532		15092	13223
5.574		385328	424865
5.733		72898	66889
5.775		16526	11364
5.801		80113	68717
5.849		30944	28888
5.953		21423	18540
6.154		54373	48881
6.314	DCB	5244942	5086764
6.764		5393	10901
7.172		1527	2162
8.618		6436	22680

IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608

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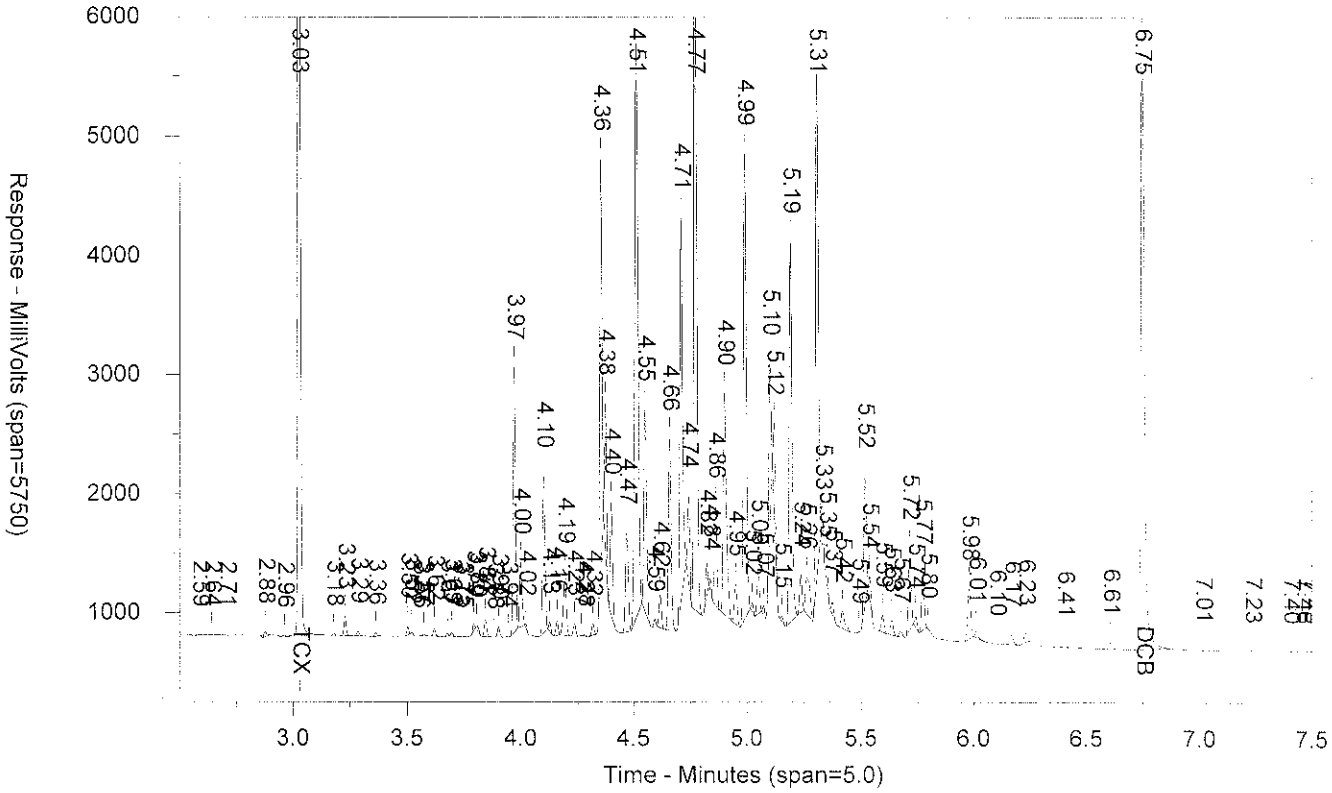

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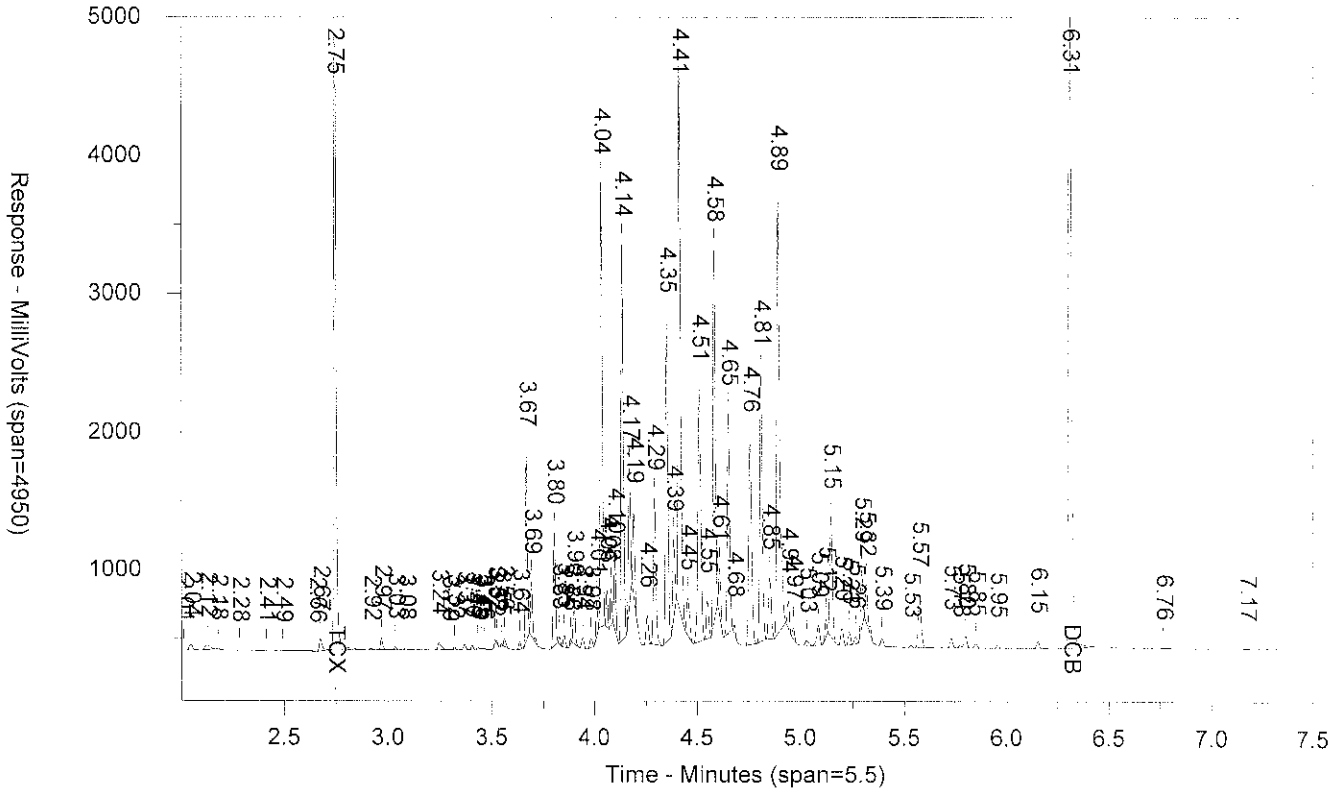

LANCASTER LABORATORIES

Sample Number: IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:20:30 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	13757190	19.65	TCX	2.746	6726902	19.651	TCX
6.751	5624055	19.428	DCB	6.314	5244942	19.042	DCB

Files:
Area File: 07pcbs17299001.0039.RAW
Area File: 07pcbs17299001B.0039.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:54 AM
File Reported On: 10/29/2017 at 1:43:32 PM

IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608

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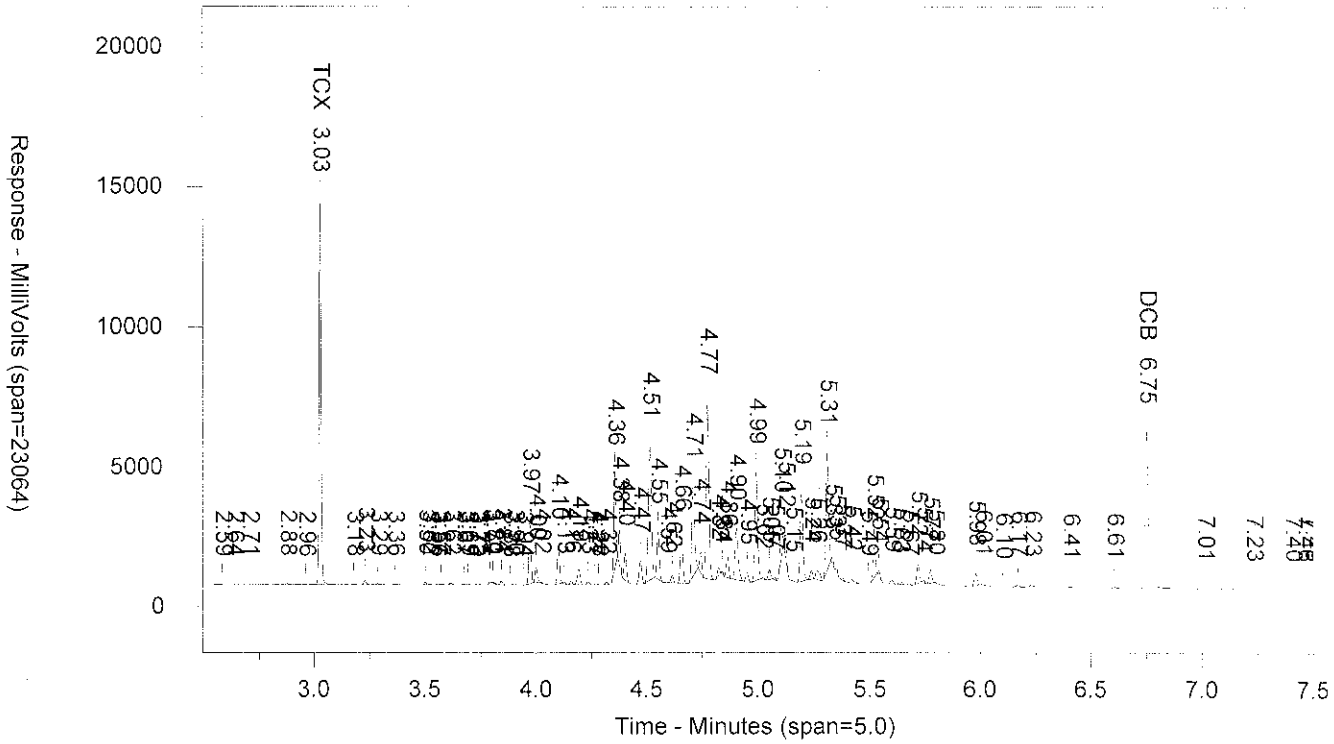

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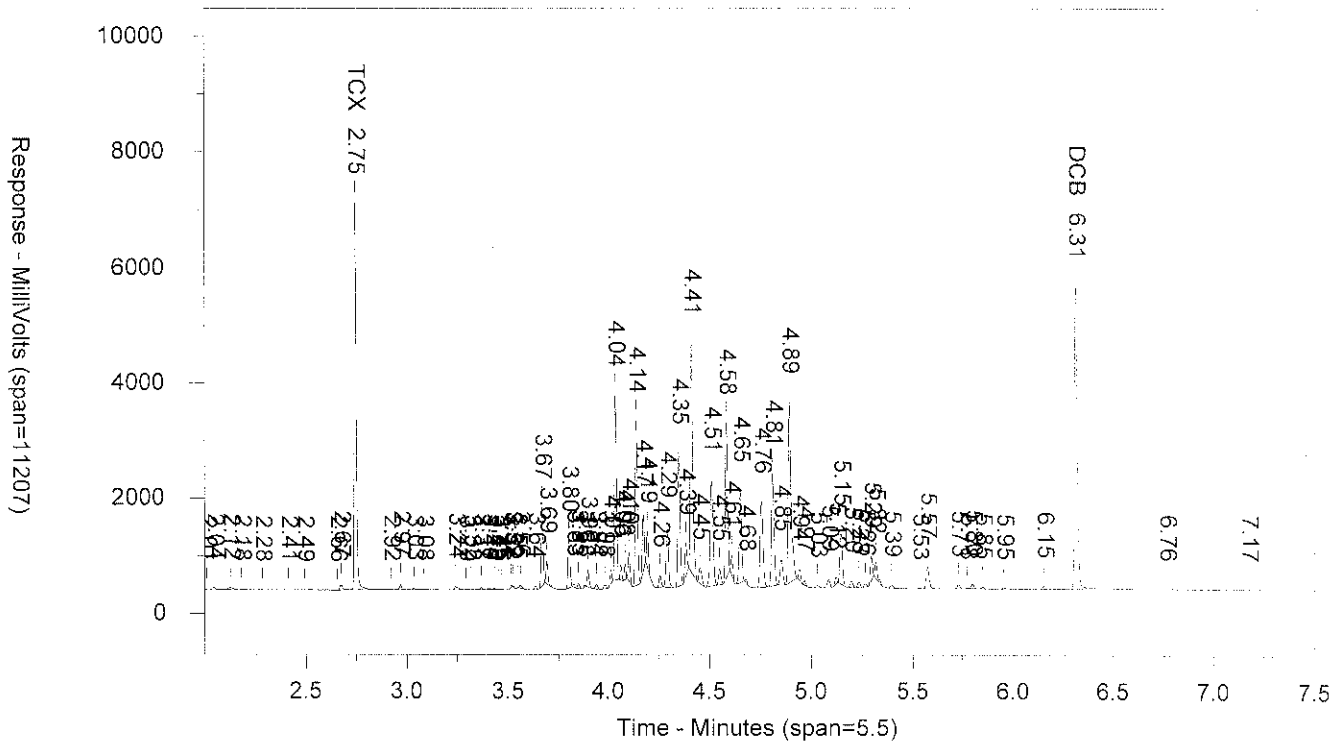

IC54X1724B AAIC54XAA CCAL 1729899999 06030 EPA 608

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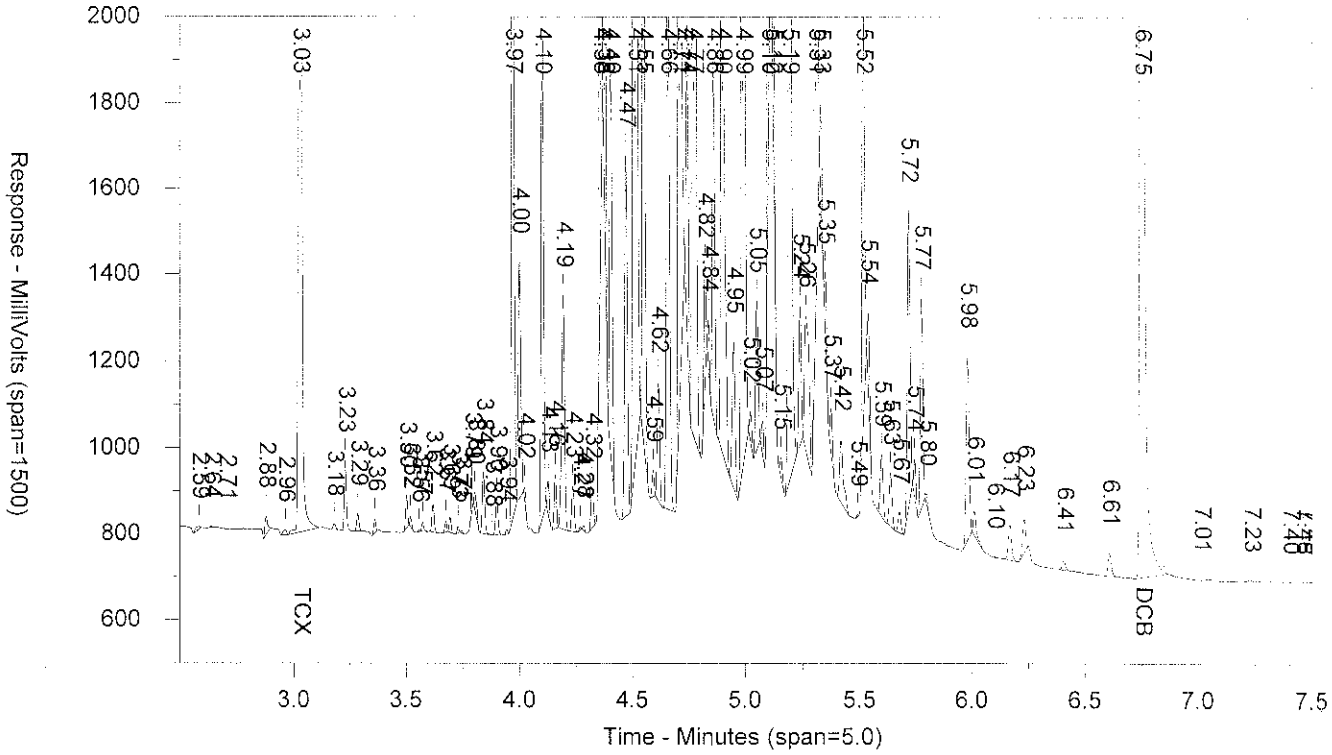

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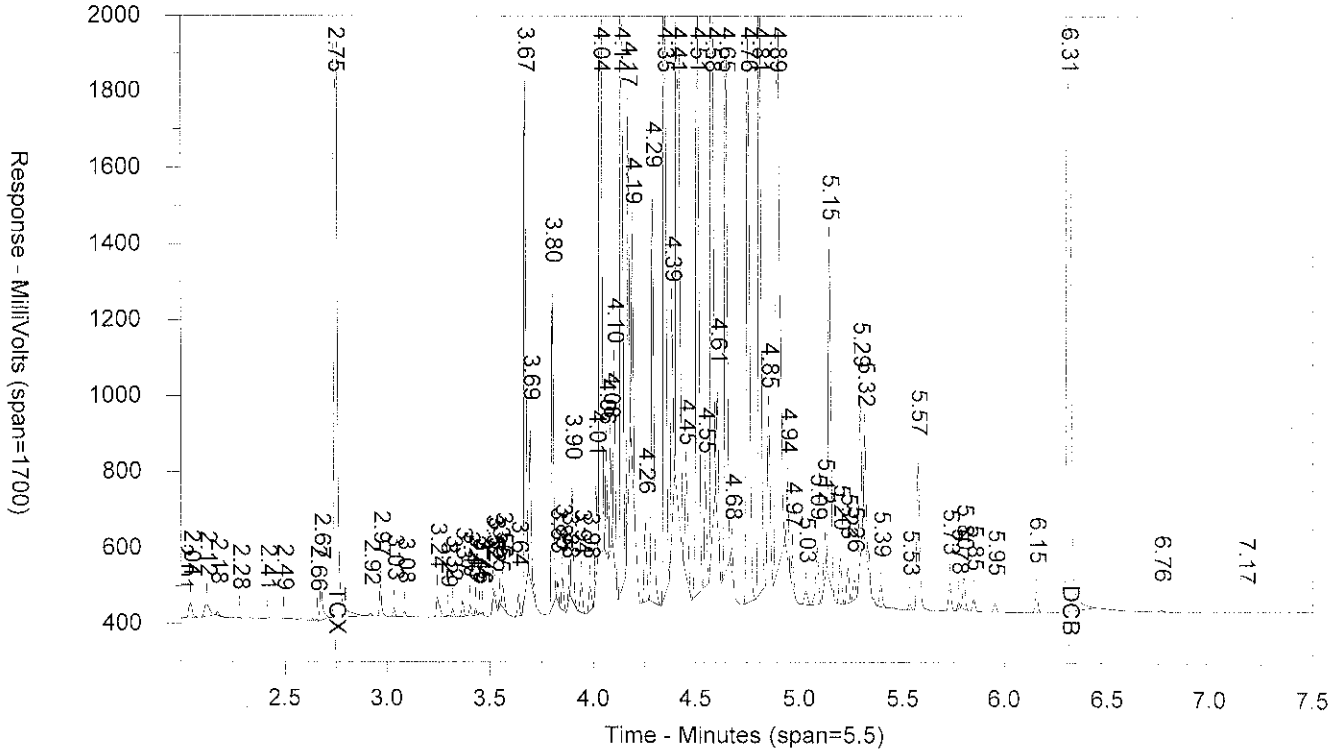

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:31:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0040.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.664		15492	72344
2.057		17543	48246
2.133		27235	94790
2.181		50968	118005
2.242		4267	5452
2.315		114377	80651
2.409		42461	27677
2.426		43327	29002
2.462		4816	4896
2.516		2285	1167
2.583		5353	12786
2.639		4161	2218
2.662		21186	14399
2.875		28818	20475
2.961		36697	55420
2.993		6082	8265
3.028	TCX	28407860	17823720
3.179		310144	259810
3.235		424329	431152
3.285		1790105	1199268
3.361		49749	28336
3.379		194040	121529
3.419		6430	3728
3.501		1948087	1124582
3.518		957422	501185
3.555		215600	121619
3.571		55268	22505
3.584		124079	64352
3.617		2242974	1550692
3.653		9726	5157
3.673		49888	30801
3.692		65244	39382
3.728		440312	264708
3.744		235611	120468
3.79		1342801	687230
3.802		2443440	1201402
3.841		2573655	1913454
3.901		2154386	1569432
3.943		155078	109959
3.971		1347854	979858
3.998		1061093	883172
4.021		301227	159868
4.099		1628411	1130020
4.124		546618	356322
4.156		597050	430765
4.192		1674453	1606628
4.233		487989	387498
4.28		91011	70144
4.321		127780	102839
4.355		1079811	741954
4.375		1321152	858336
4.399		1664935	1223565
4.469		88274	115452

RT A	Compound A	Height A	Area A
4.508		1105172	875540
4.53		552977	326350
4.55		167769	95152
4.59		13824	9191
4.615		46038	33784
4.658		241446	216456
4.71		361496	324061
4.743		213802	160710
4.773		561981	487402
4.818		4514	2807
4.859		253820	229869
4.901		22671	17037
4.949		55094	49088
4.991		374891	349952
5.025		42725	33738
5.073		39545	45832
5.102		26068	17269
5.119		19479	12767
5.191		361003	360559
5.236		9949	7044
5.267		91031	89023
5.309		103387	88190
5.331		6908	3393
5.348		6973	4233
5.372		4731	3016
5.412		1783	703
5.465		2116	1499
5.516		34523	29471
5.539		6248	3445
5.592		10638	12727
5.615		1584	651
5.673		66657	66302
5.714		23472	19848
5.737		4655	3604
5.769		7325	4836
5.795		141578	133872
5.978		18347	18473
6.099		2928	1945
6.165		161330	165576
6.229		200188	256408
6.404		4605	4910
6.528		2530	2253
6.569		1799	778
6.601		102492	106479
6.747	DCB	11222390	11751560
7.026		1201	571
7.098		1734	720
7.218		8911	11226
7.307		1635	420
7.336		1652	374
7.38		1447	624
7.474		1538	699
7.524		1838	821
7.73		1488	390
7.766		1320	453
7.818		973	506
7.842		1675	892
7.897		1169	681
7.923		1259	639
8.063		1228	394
8.163		1603	376
8.404		1581	231
8.468		1610	781

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:31:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0040.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.598		2375	4390
2.047		63614	85185
2.122		19487	34765
2.176		21049	16221
2.275		1996	2004
2.386		2122	3175
2.425		12102	10143
2.674		68673	110412
2.746	TCX	13450420	9163299
2.788		68039	48576
2.918		198821	155704
2.967		80984	41431
2.98		128537	67989
3.033		917299	680227
3.085		28380	18196
3.145		128172	92238
3.242		1221760	1362971
3.294		140060	91493
3.316		68553	42709
3.342		79946	45558
3.365		1164499	871457
3.402		52155	31216
3.43		26476	13303
3.448		265648	151336
3.463		147018	74821
3.515		381868	244625
3.524		1241497	588995
3.558		1200727	915574
3.633		1292785	888602
3.667		807086	539163
3.691		871312	539157
3.71		261250	139015
3.801		1077807	796179
3.825		381146	221354
3.847		366248	240626
3.878		199612	110772
3.897		897499	619543
3.94		324847	280012
3.989		60233	43787
4.012		610049	411548
4.035		1221185	858049
4.061		1080476	798438
4.1		41026	22475
4.138		278985	247139
4.176		681370	548645
4.206		464650	315180
4.254		35829	28336
4.29		176949	149430
4.324		4157	1988
4.35		295065	244087
4.384		167330	129135
4.414		419135	342654
4.512		176187	220086
4.548		47006	36432

4.581		295048	274558
4.627		23665	16379
4.65		32825	22438
4.678		25318	20322
4.756		40366	42559
4.81		281902	251933
4.865		52527	45950
4.892		80819	76310
4.941		8984	8135
5.045		3612	3060
5.085		5318	5175
5.122		5439	3911
5.146		31182	26159
5.191		6084	7019
5.232		2716	2046
5.267		49485	40348
5.293		12544	8100
5.313		10379	9495
5.39		113076	106071
5.53		3448	3237
5.574		13743	15904
5.732		147683	139036
5.799		165302	157938
5.848		42476	37399
5.952		4323	3696
6.152		101737	93215
6.275		1336	655
6.312	DCB	10641300	10196900
6.758		8336	8396
7.078		1150	1276
7.681		1026	736
8.614		4040	8420

IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608

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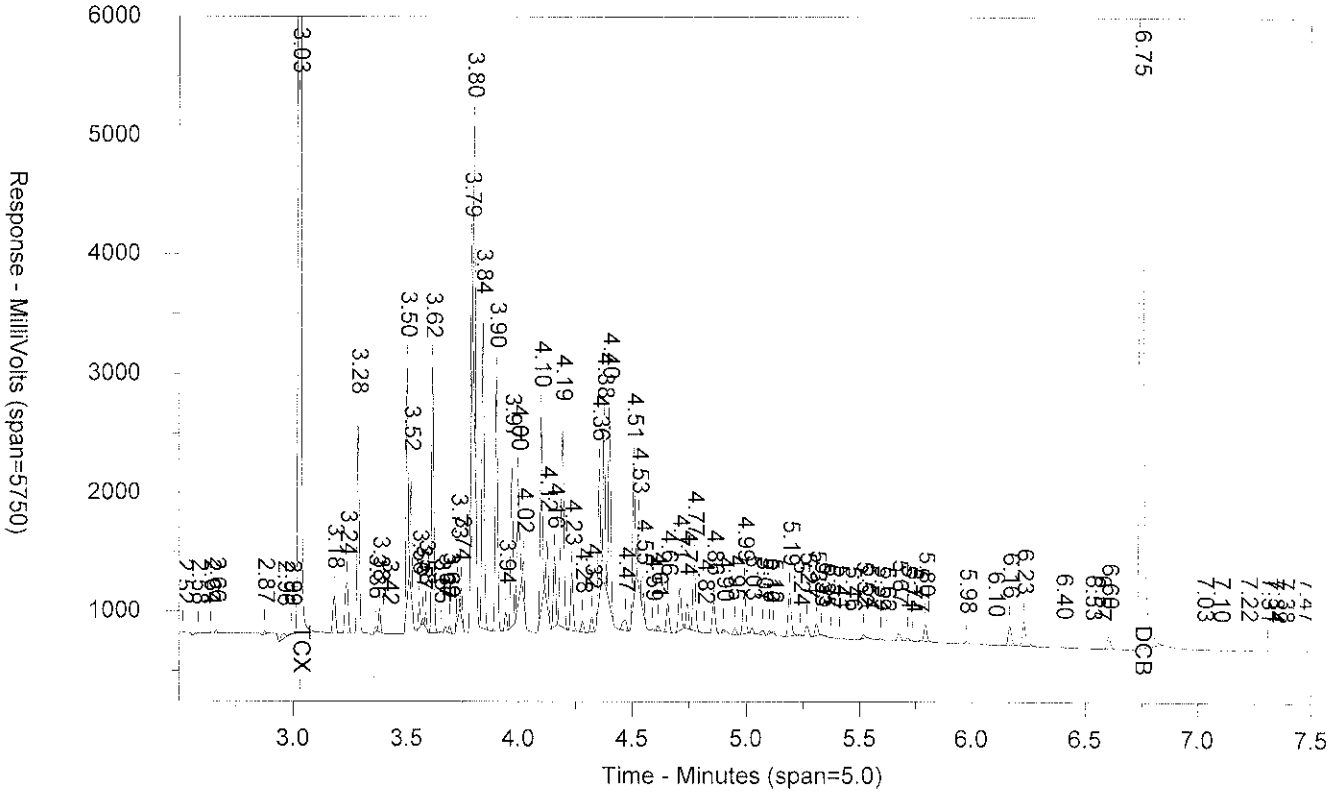

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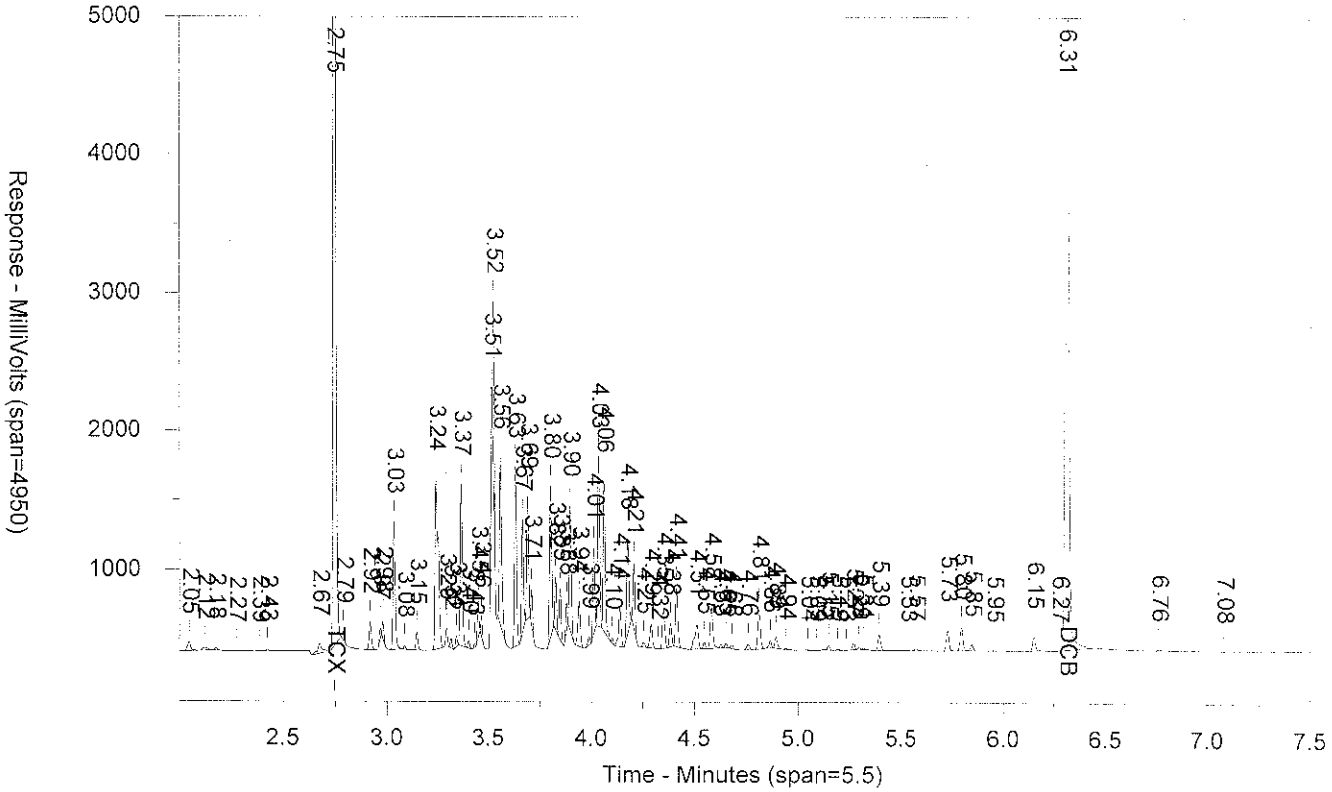

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608
Injected On: 10/27/2017 5:31:54 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	28407860	40.577	TCX	2.746	13450420	39.291	TCX
6.747	11222390	38.768	DCB	6.312	10641300	38.633	DCB

Files:
Area File: 07pcbs17299001.0040.RAW
Area File: 07pcbs17299001B.0040.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:55 AM
File Reported On: 10/29/2017 at 1:43:53 PM

IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608

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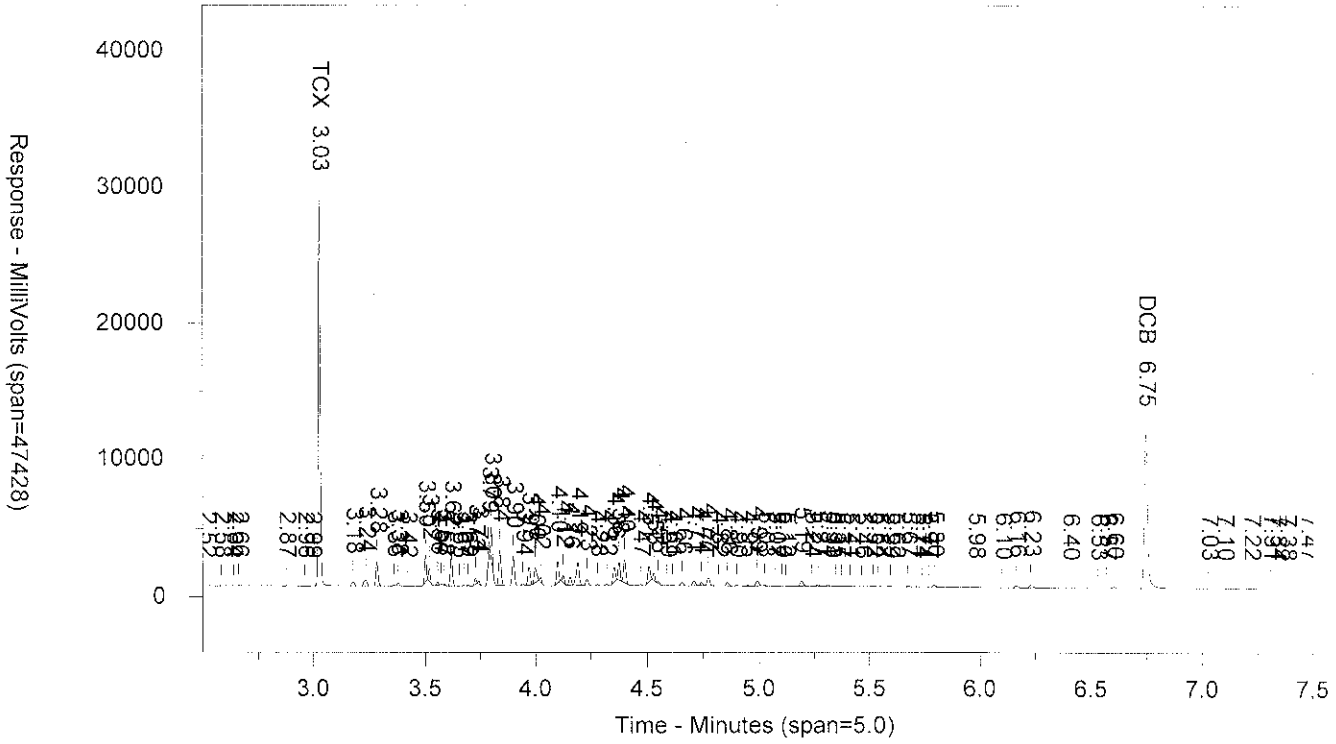

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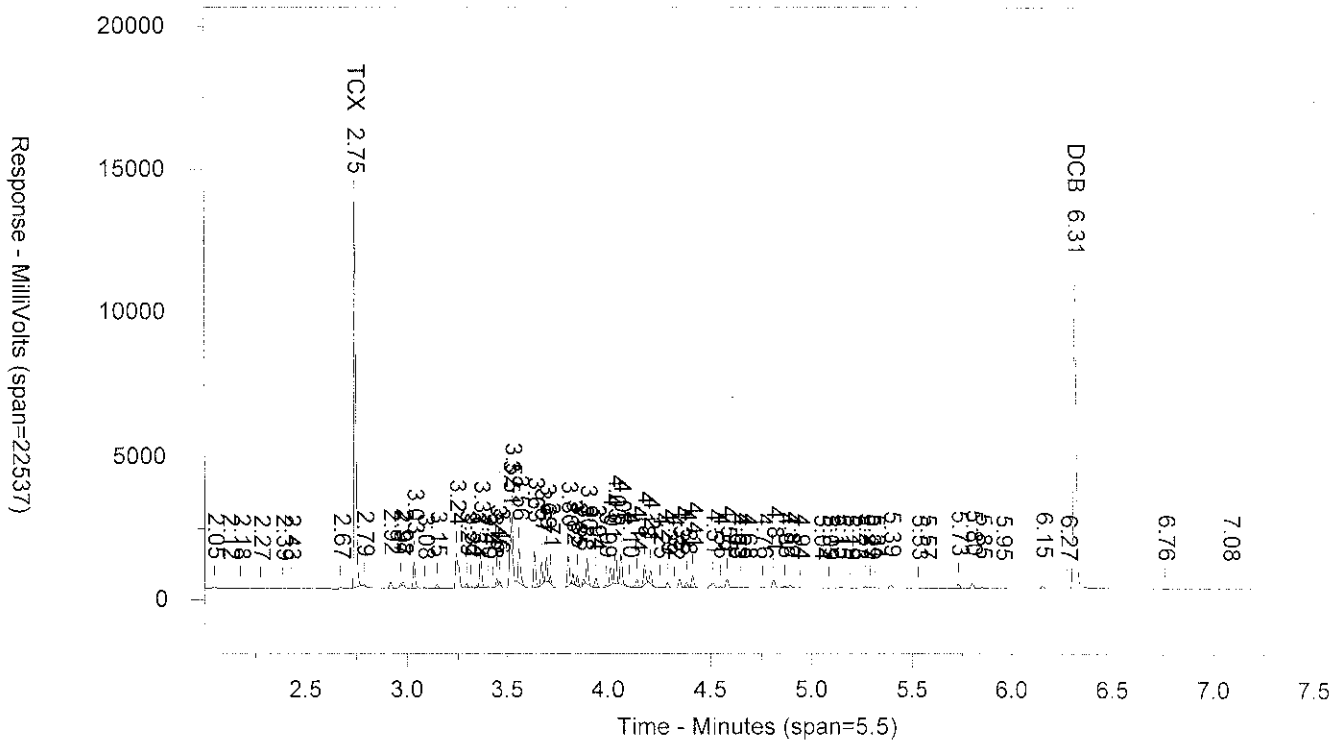

IC42X1724B AAIC42XAA CCAL 1729899999 06030 EPA 608

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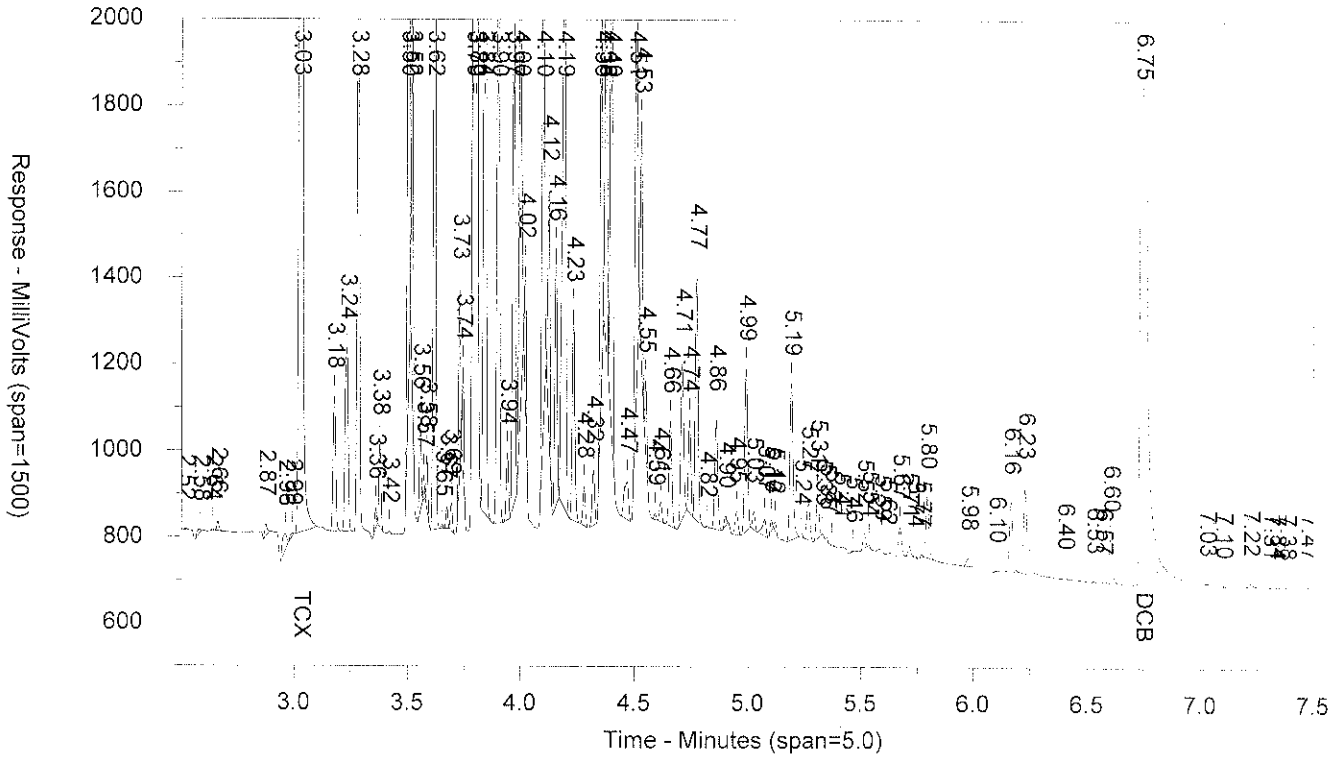

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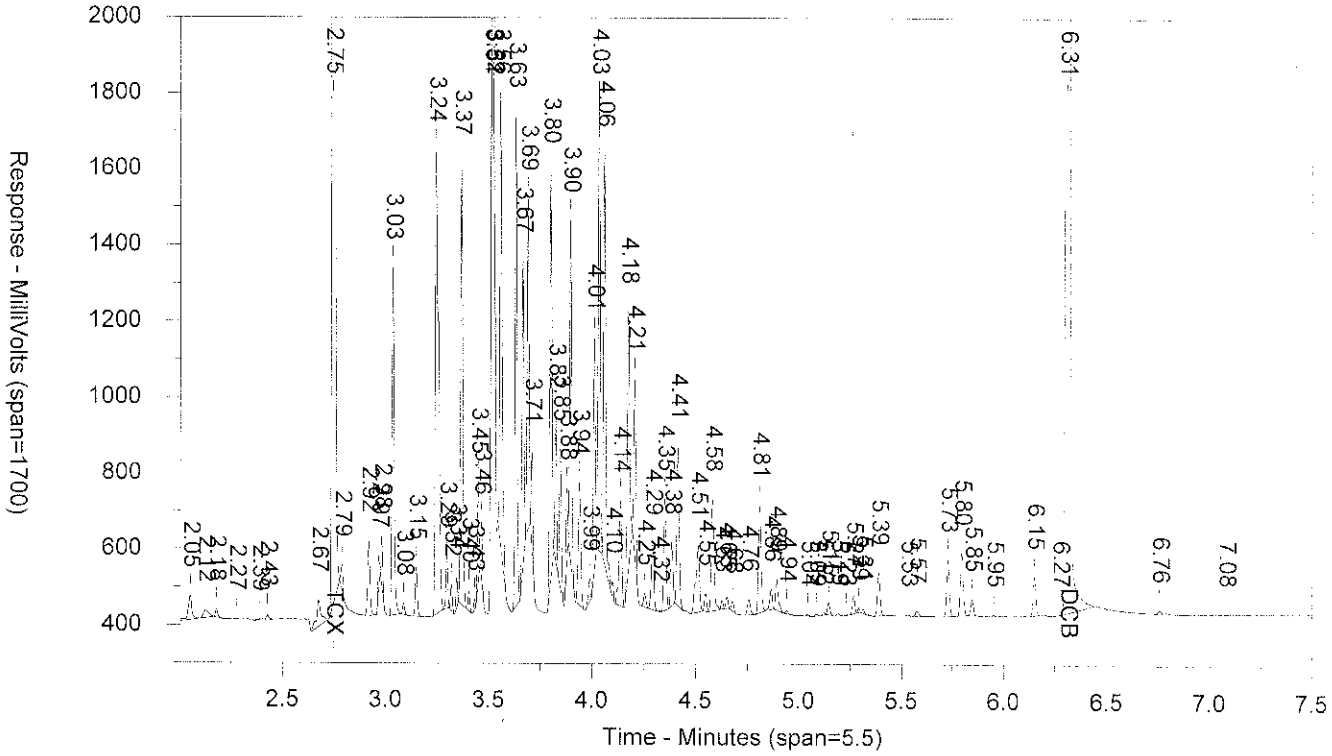

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0007.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.507		2999	1466
1.679		36064	135888
1.729		12168	9176
1.812		2591	2271
1.94		2432	1562
2.126		37720	75633
2.184		68483	188717
2.245		27125	54637
2.319		17423	20908
2.345		15453	21379
2.412		35962	22007
2.573		13719	10373
2.62		2979	1720
2.64		42736	32599
2.85		3476	2083
2.875		65890	54390
2.958		11890	16060
3.03	TCX	1228705	855338
3.182		53665	43111
3.239		48992	39245
3.287		228700	151103
3.381		29961	34293
3.504		229238	136586
3.521		108721	59382
3.558		23934	13437
3.574		10114	4277
3.588		10795	5244
3.621		262209	183375
3.697		10134	6170
3.732		53146	30735
3.748		27372	13696
3.793		139057	72957
3.805		224692	114988
3.844		296732	231543
3.885		1840	1002
3.905		230979	169423
3.947		19219	13676
3.975		156437	110973
4.003		116028	99736
4.025		26279	13903
4.054		3034	3051
4.104		179126	127876
4.129		61526	40635
4.16		70622	50409
4.196		187579	184510
4.238		55492	42314
4.284		10915	8506
4.326		15389	12385
4.359		122230	85635
4.38		140406	90772
4.404		176657	131122
4.462		4370	2131
4.474		5320	2697

RT A	Compound A	Height A	Area A
4.513		131530	104135
4.534		56341	33753
4.554		18277	10395
4.594		2667	1580
4.619		5620	4670
4.662		30864	27919
4.715		49458	45085
4.748		27834	20342
4.778		68298	58238
4.824		2195	1142
4.863		32944	29455
4.906		6930	8026
4.953		6339	6021
4.996		47068	43341
5.031		11170	9594
5.064		3896	2058
5.127		8211	12453
5.156		1334	572
5.195		51744	49779
5.271		17358	17637
5.313		15958	13596
5.375		2970	1955
5.472		6044	5973
5.519		3903	3255
5.54		3089	2251
5.586		13776	19059
5.678		9158	7948
5.719		3874	3226
5.775		4490	2656
5.8		20812	20626
5.98		5721	5625
6.067		2591	2645
6.105		2605	2125
6.17		13201	12318
6.235		21026	28928
6.323		2468	1747
6.407		1579	803
6.56		1295	553
6.61		7591	7726
6.755	DCB	509104	534614
7.044		952	271
7.21		1603	1431
7.41		1537	1043
7.621		1238	499
7.679		1146	338
7.805		1418	418
8.002		916	495
8.153		1060	565
8.212		1808	338
8.391		1402	392
8.499		1127	808
8.543		1657	363
8.551		2266	743
8.642		1384	683

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0007.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.617		2637	8751
1.915		12095	39091
2.004		5089	10278
2.042		23140	21759
2.127		20661	42724
2.327		5130	8729
2.394		3330	6196
2.427		3445	3842
2.492		2146	1170
2.554		5176	4701
2.677		65554	69678
2.75	TCX	595718	425389
2.792		12196	9530
2.922		36149	28319
2.984		27465	24888
3.037		130508	88930
3.15		17017	12807
3.246		167892	188083
3.298		16186	10878
3.32		15740	10987
3.348		6470	3600
3.37		155312	116951
3.407		10905	7470
3.453		33287	18553
3.469		17392	9195
3.52		55808	33584
3.529		117043	57555
3.564		149758	120605
3.639		146388	106243
3.673		104081	67958
3.697		111452	68751
3.716		29709	15937
3.807		131127	96675
3.831		52374	31210
3.853		46504	30430
3.885		29085	15880
3.903		97770	70125
3.946		40509	32611
3.995		6518	4652
4.018		68518	46185
4.041		140317	98276
4.067		109988	78315
4.106		5383	3158
4.144		32680	27349
4.183		73899	60073
4.212		45830	30022
4.258		5640	7785
4.297		20131	16954
4.357		32819	27230
4.392		19147	14509
4.42		50534	46612
4.518		21886	28458
4.556		5233	4017
4.588		33226	30573

4.633		4571	3461
4.657		5675	4021
4.684		2704	2126
4.763		4998	3889
4.818		27777	23139
4.845		4915	3732
4.871		6972	5338
4.898		9328	11259
5.052		5503	8269
5.104		1260	1251
5.128		2725	2083
5.275		5771	5950
5.324		6050	5698
5.398		13494	12059
5.582		3488	4355
5.741		11624	10880
5.809		15699	14053
5.855		5495	5019
5.962		2438	2703
6.163		6878	6882
6.323	DCB	482840	501172
6.801		3544	4297
8.642		3075	5259

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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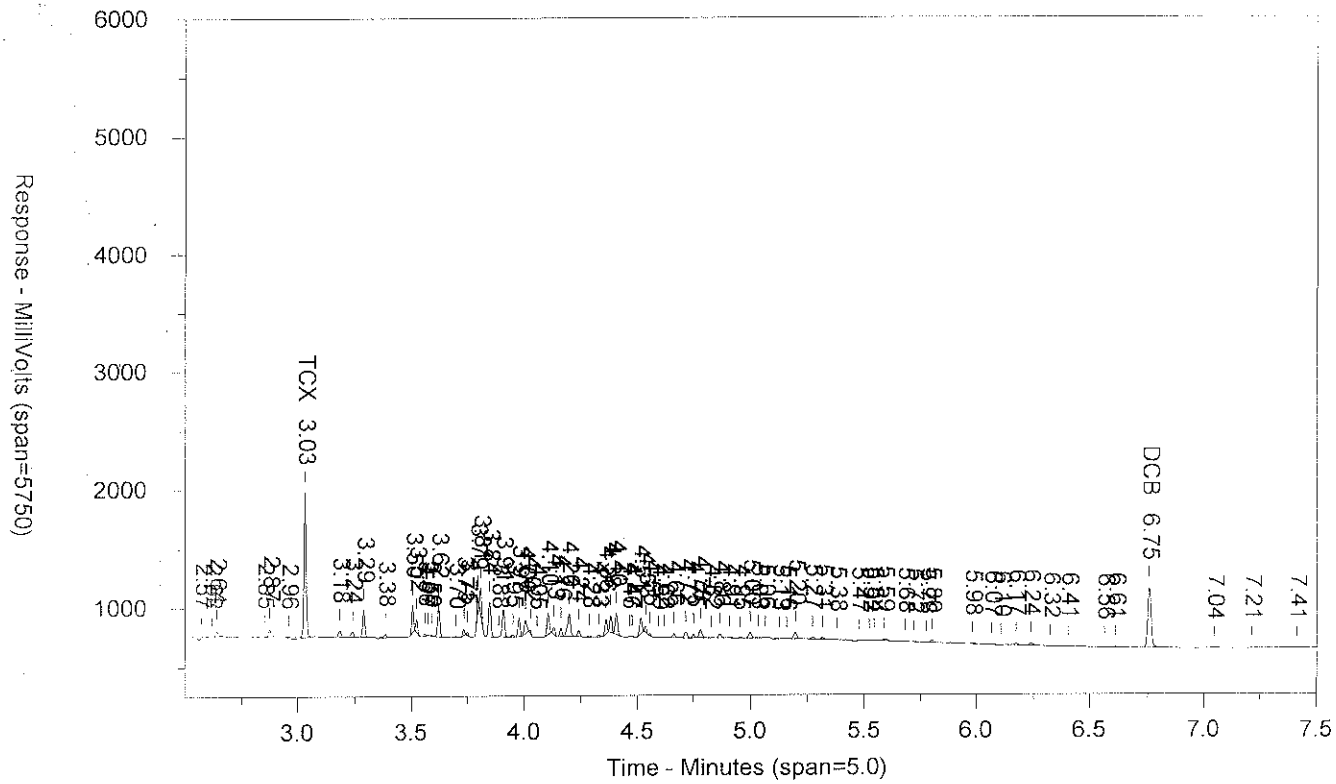

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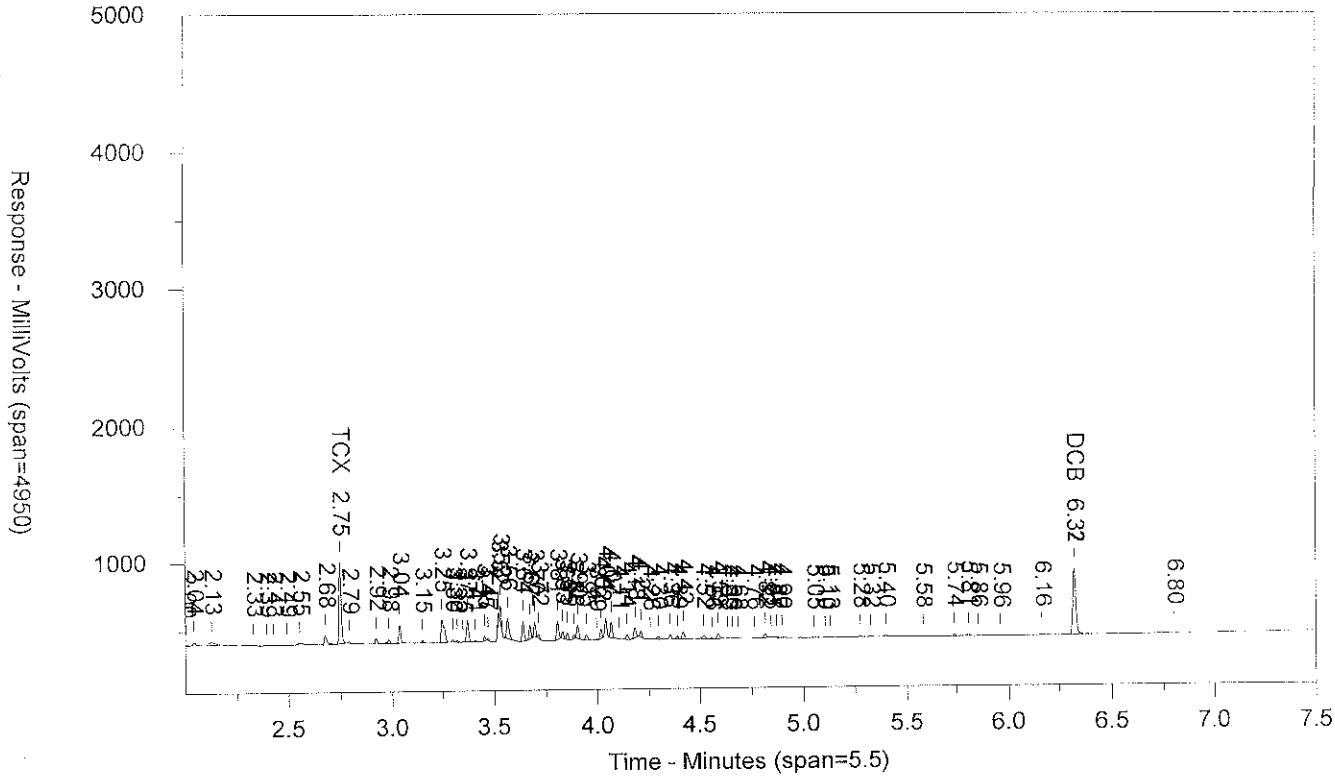

LANCASTER LABORATORIES

Sample Number: AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:23:47 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	1228705	1.935	TCX	2.75	595718	1.963	TCX
6.755	509104	1.995	DCB	6.323	482840	2.093	DCB

Files:
Area File: 07pcbs17292002.0007.RAW
Area File: 07pcbs17292002B.0007.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:32:27 PM
File Reported On: 10/22/2017 at 6:32:38 PM

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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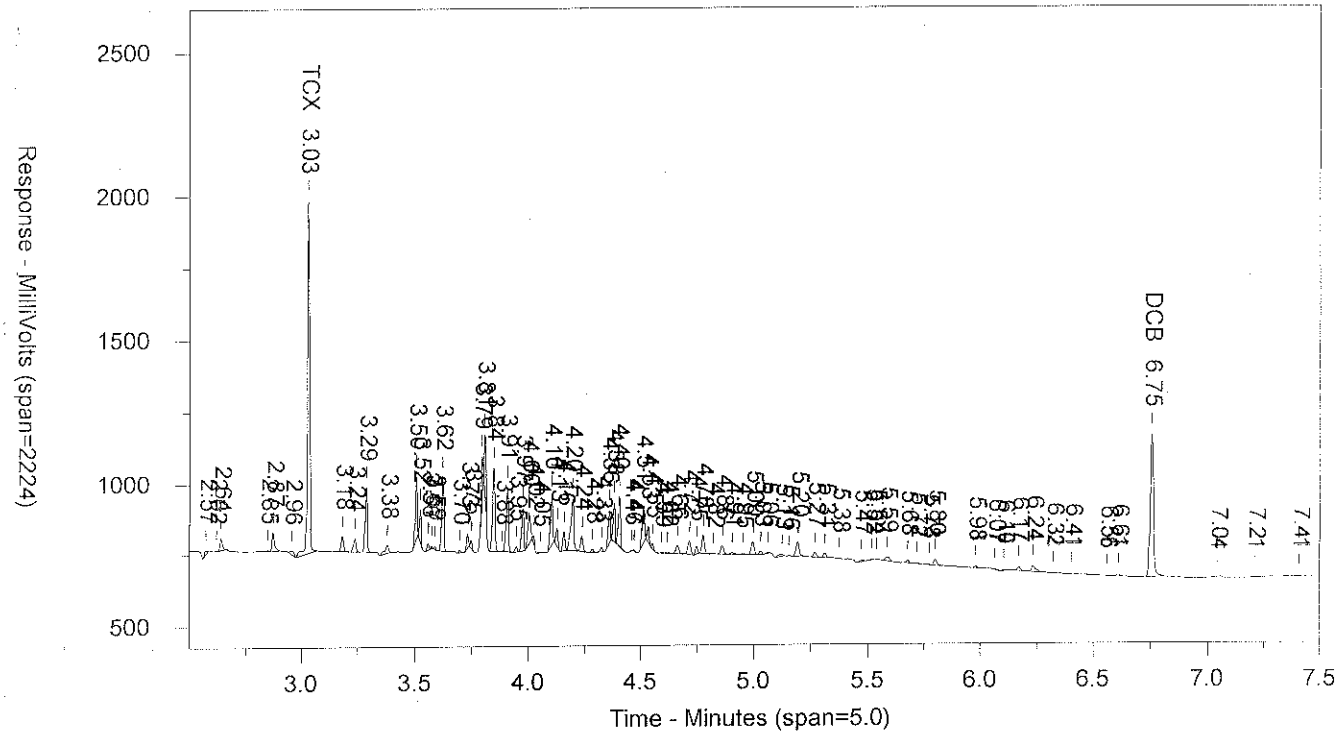

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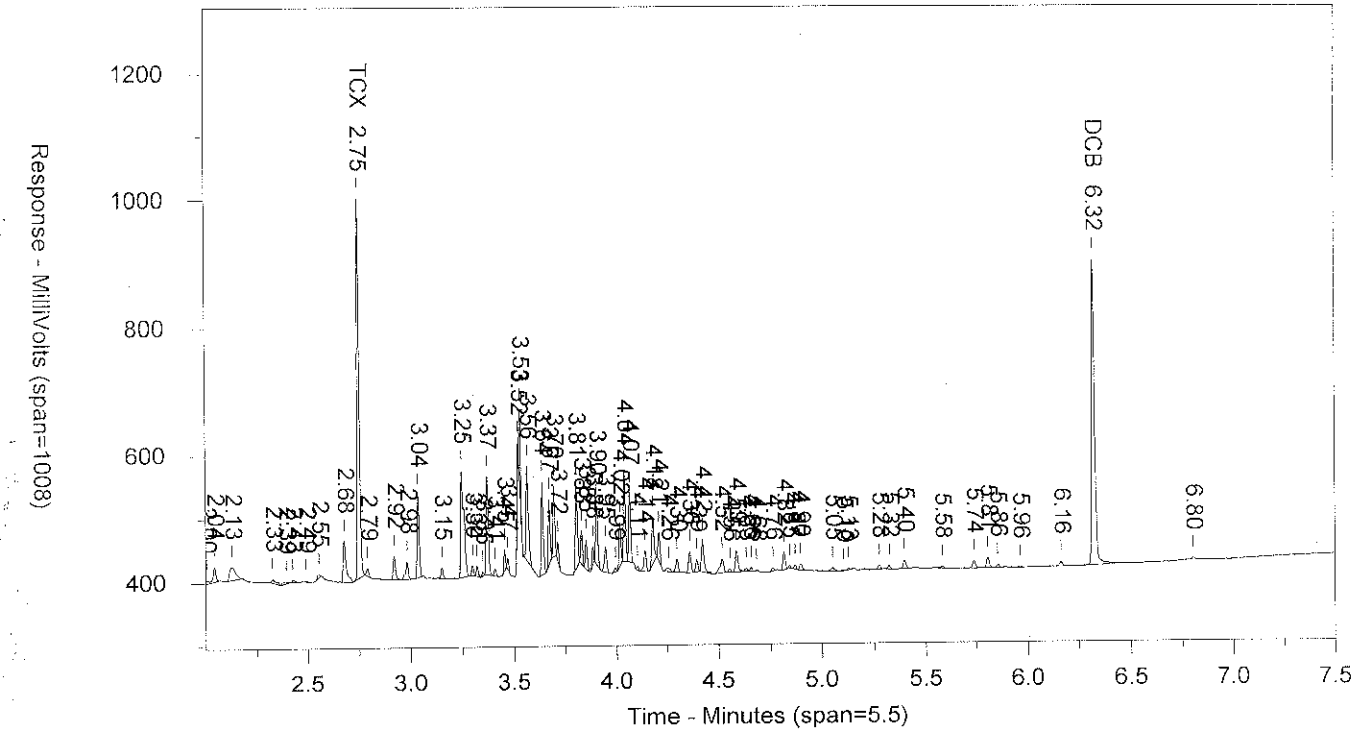

AR4211724A AAAR421AA ICAL 1729499999 06030 EPA 608

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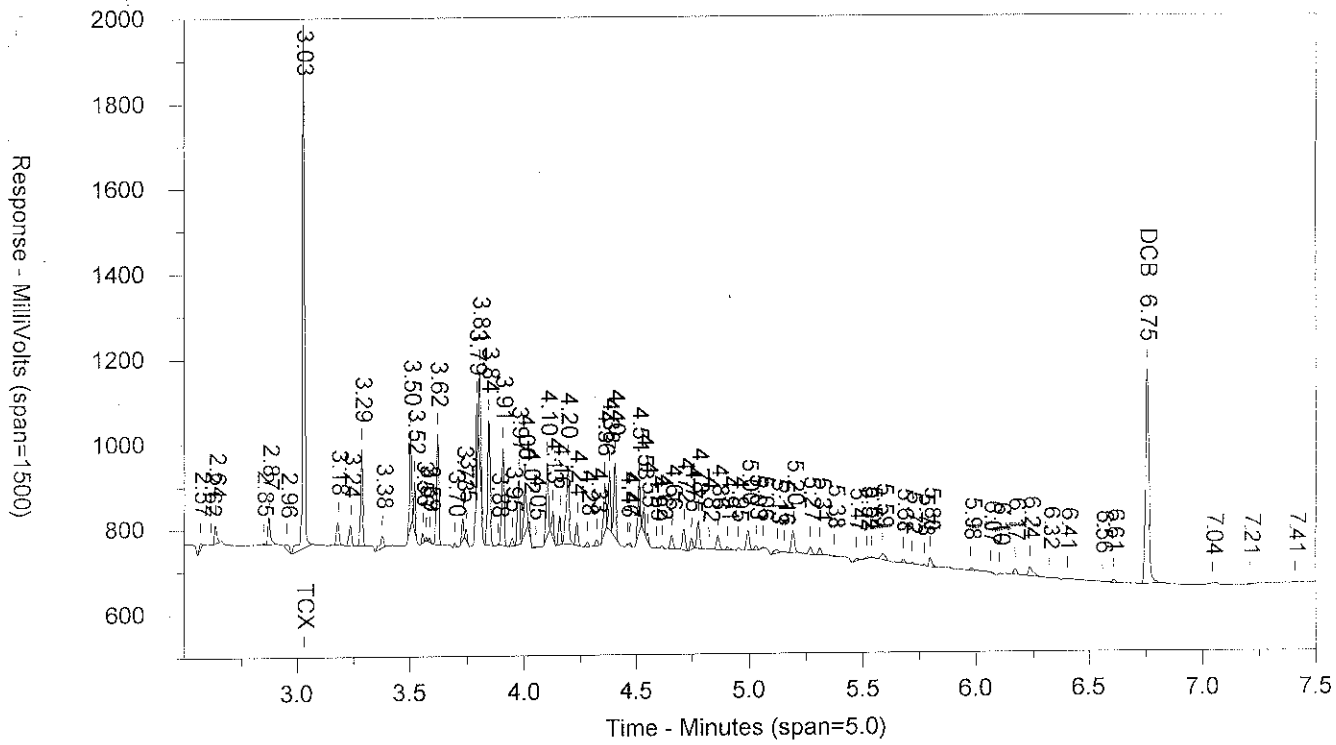

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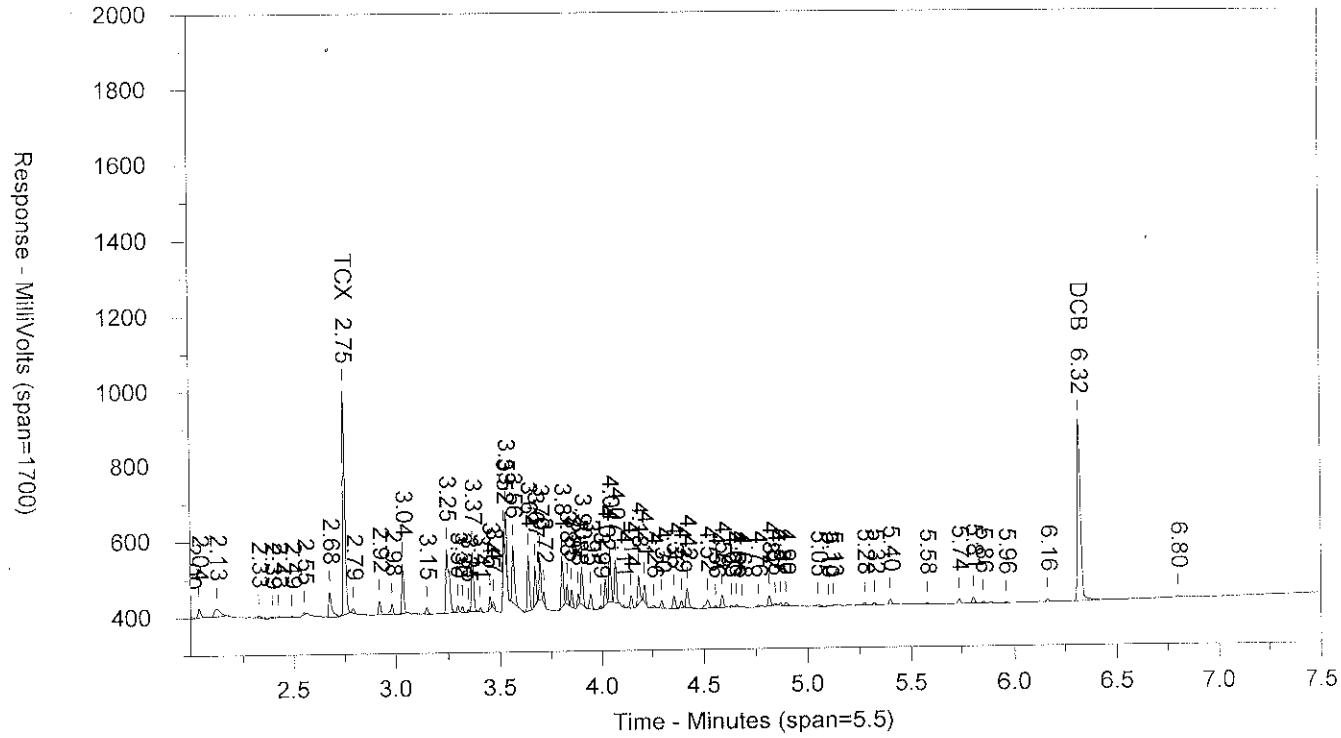

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0008.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		3645	1739
1.543		2799	2793
1.677		16720	134498
1.795		1944	961
1.809		2373	840
2.124		57899	116932
2.182		97811	283663
2.242		40524	91631
2.317		28797	40465
2.344		19138	22856
2.411		43376	30121
2.577		17359	18174
2.64		45859	34086
2.665		6921	3874
2.845		5977	11092
2.874		75956	70276
2.959		18533	23119
2.991		15238	14827
3.03	TCX	2472857	1619126
3.182		107154	88912
3.239		94249	78187
3.287		442594	295476
3.364		10345	9270
3.382		49208	32230
3.504		451969	269289
3.521		217233	116504
3.559		46373	26454
3.575		20696	8567
3.589		22307	10813
3.621		508796	361426
3.656		2489	1230
3.673		6012	4735
3.698		22070	14171
3.732		101674	59372
3.748		48539	26647
3.794		252828	137097
3.806		439195	231213
3.845		601086	454152
3.885		1225	464
3.906		447629	333989
3.947		38521	27164
3.975		299003	219122
4.003		232269	198854
4.025		51853	24695
4.053		6667	6112
4.104		349982	245848
4.129		124417	79703
4.161		138292	98558
4.196		361574	358823
4.238		106714	89289
4.286		20764	15849
4.326		27118	22525
4.36		244539	167243

RT A	Compound A	Height A	Area A
4.381		269690	171228
4.404		349984	257405
4.474		19505	27631
4.513		247133	205338
4.535		114926	67181
4.554		35754	19776
4.597		4126	3210
4.619		11221	8693
4.662		67036	60833
4.715		95040	85661
4.748		50550	39242
4.778		130067	112315
4.826		4624	2902
4.863		63455	56326
4.906		19783	21562
4.954		13978	13388
4.996		92662	84842
5.029		21873	18240
5.066		3219	3696
5.123		18929	30601
5.152		10414	10325
5.196		100622	103805
5.242		3851	2645
5.271		34406	34927
5.313		54992	47011
5.354		5320	2968
5.377		22833	19022
5.421		22397	31723
5.477		7382	11689
5.52		7969	6146
5.54		44429	37476
5.596		27213	30090
5.637		12435	11150
5.678		21546	19977
5.72		21908	20407
5.776		112992	99153
5.8		29932	21838
5.982		122810	119130
6.035		38659	76699
6.107		3047	2255
6.133		1295	410
6.169		33596	30546
6.233		26054	20304
6.253		20866	13853
6.408		58241	60805
6.607		30277	30646
6.68		1506	712
6.753	DCB	983002	1027937
7.048		2796	2825
7.174		1010	506
7.208		1494	388
7.316		1240	414
7.351		1482	658
7.626		1363	464
7.917		1403	522
7.953		1225	538
8.129		1075	567
8.155		1304	617
8.61		1231	924

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0008.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.633		2695	18125
1.912		5554	17936
2.011		5515	14775
2.042		29482	27508
2.126		29673	57808
2.327		6531	13878
2.398		4548	10024
2.43		5780	5120
2.552		12923	21383
2.658		2383	1559
2.677		79341	87256
2.75	TCX	1198182	834638
2.792		23122	18093
2.922		74365	57252
2.984		53998	48749
3.037		249200	179579
3.15		32781	24221
3.246		319232	353791
3.298		33181	21548
3.321		27868	18826
3.347		13591	7335
3.37		298352	222122
3.407		22398	14789
3.453		63053	35815
3.469		33748	17455
3.52		105031	59140
3.53		247907	116368
3.564		299010	247489
3.639		283179	202865
3.673		192298	128936
3.697		209767	129143
3.716		58458	30343
3.807		246155	184995
3.831		88343	52556
3.853		90853	59799
3.885		58872	31628
3.903		185417	133186
3.947		80700	64534
3.995		14882	11065
4.018		130133	87337
4.042		265449	187119
4.068		219624	164701
4.107		10370	5276
4.145		66618	55827
4.182		138834	114455
4.212		90953	60307
4.26		8448	8804
4.296		41135	39752
4.357		63863	53293
4.391		37275	27229
4.42		94812	80304
4.518		48377	60189
4.554		10926	8954
4.588		65504	53023

4.635		9671	6890
4.658		18149	13042
4.685		4578	3306
4.765		17602	15543
4.791		3607	2579
4.818		56575	46520
4.846		3683	2389
4.871		16665	13377
4.899		32586	27665
4.933		14864	13827
4.972		10692	8742
5.05		3165	2815
5.072		2567	1682
5.129		38252	32595
5.152		7658	5412
5.204		19047	18028
5.239		9060	6969
5.274		15461	15864
5.322		111875	109846
5.398		29921	28672
5.538		40206	38691
5.584		100443	115848
5.74		26490	25530
5.785		1963	1714
5.808		33364	29696
5.857		27972	25719
5.961		48445	43733
6.161		29057	28034
6.321	DCB	943656	953145
6.799		3051	4178
8.4		2108	2538
8.634		3354	6750

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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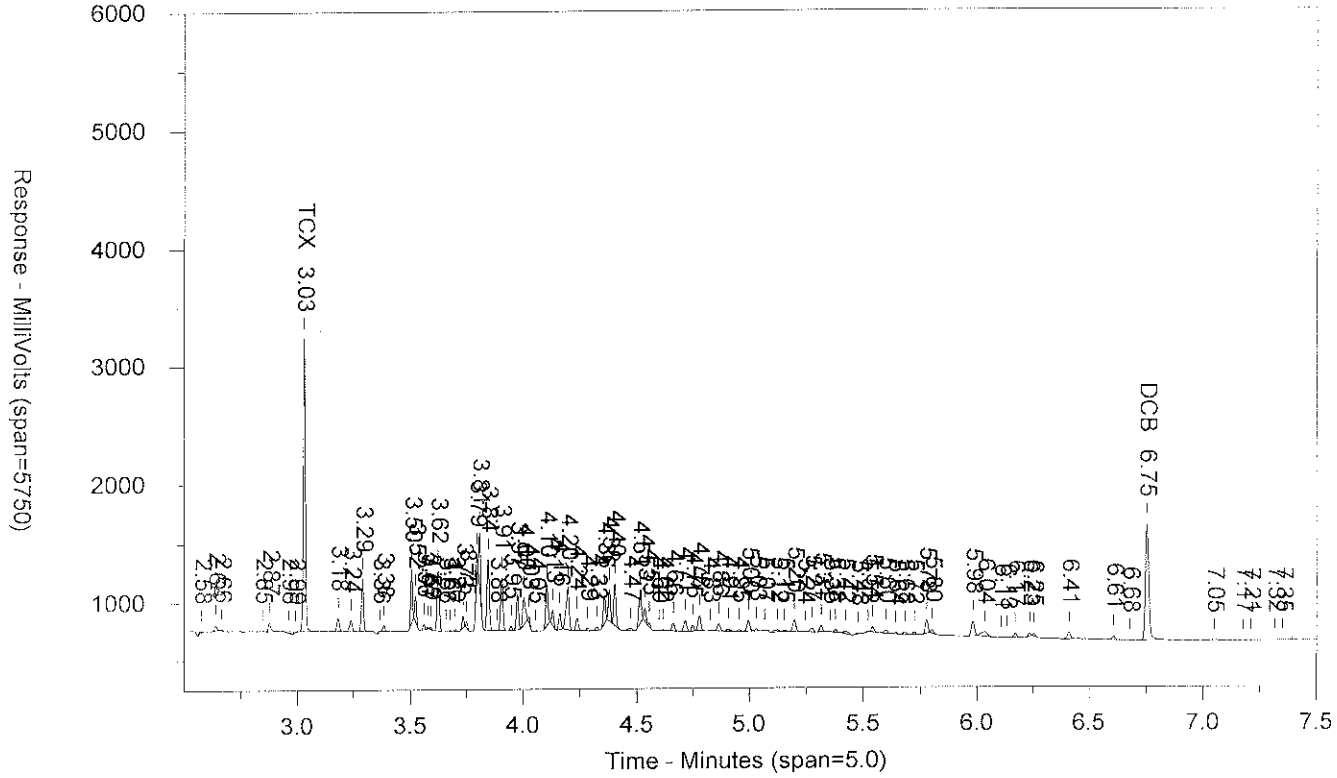

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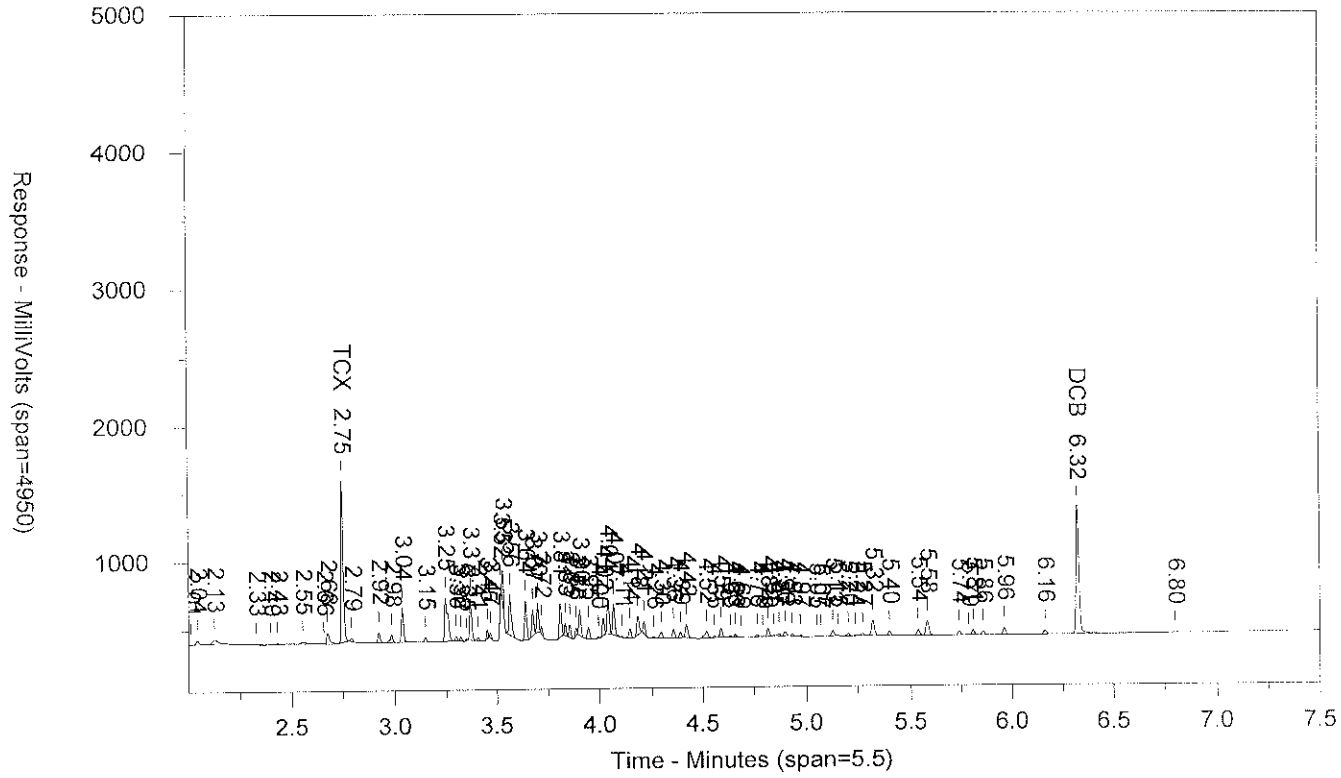

LANCASTER LABORATORIES

Sample Number: AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:35:09 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	2472857	3.895	TCX	2.75	1198182	3.947	TCX
6.753	983002	3.852	DCB	6.321	943656	4.09	DCB

Files:
Area File: 07pcbs17292002.0008.RAW
Area File: 07pcbs17292002B.0008.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:43:50 PM
File Reported On: 10/22/2017 at 6:44:02 PM

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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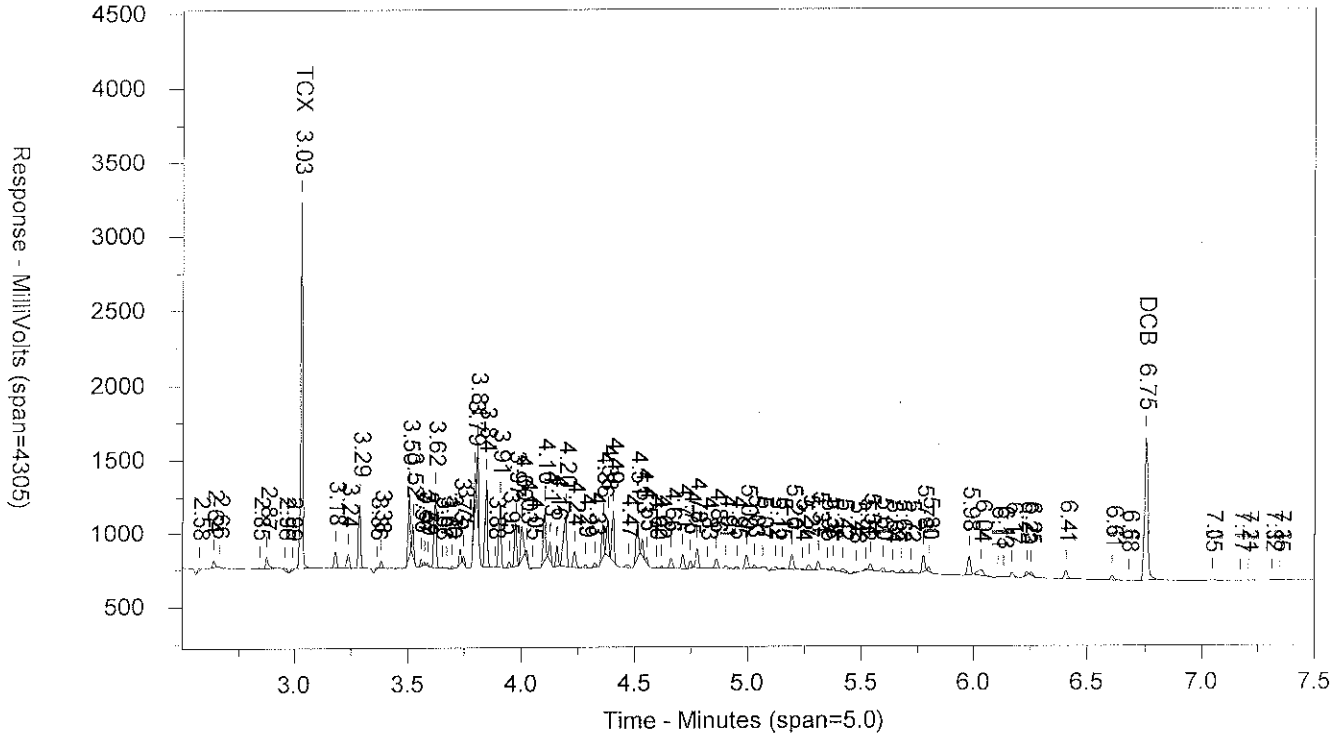

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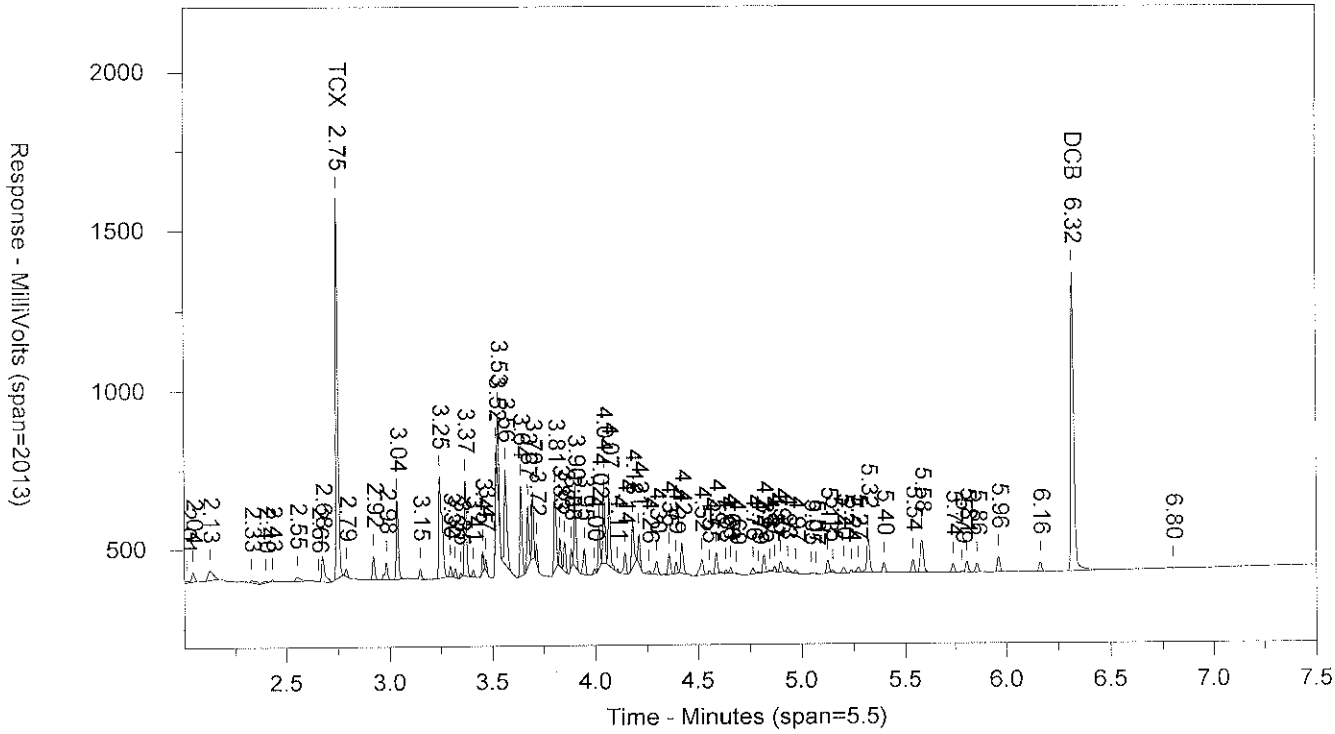

AR4221724A AAAR422AA ICAL 1729499999 06030 EPA 608

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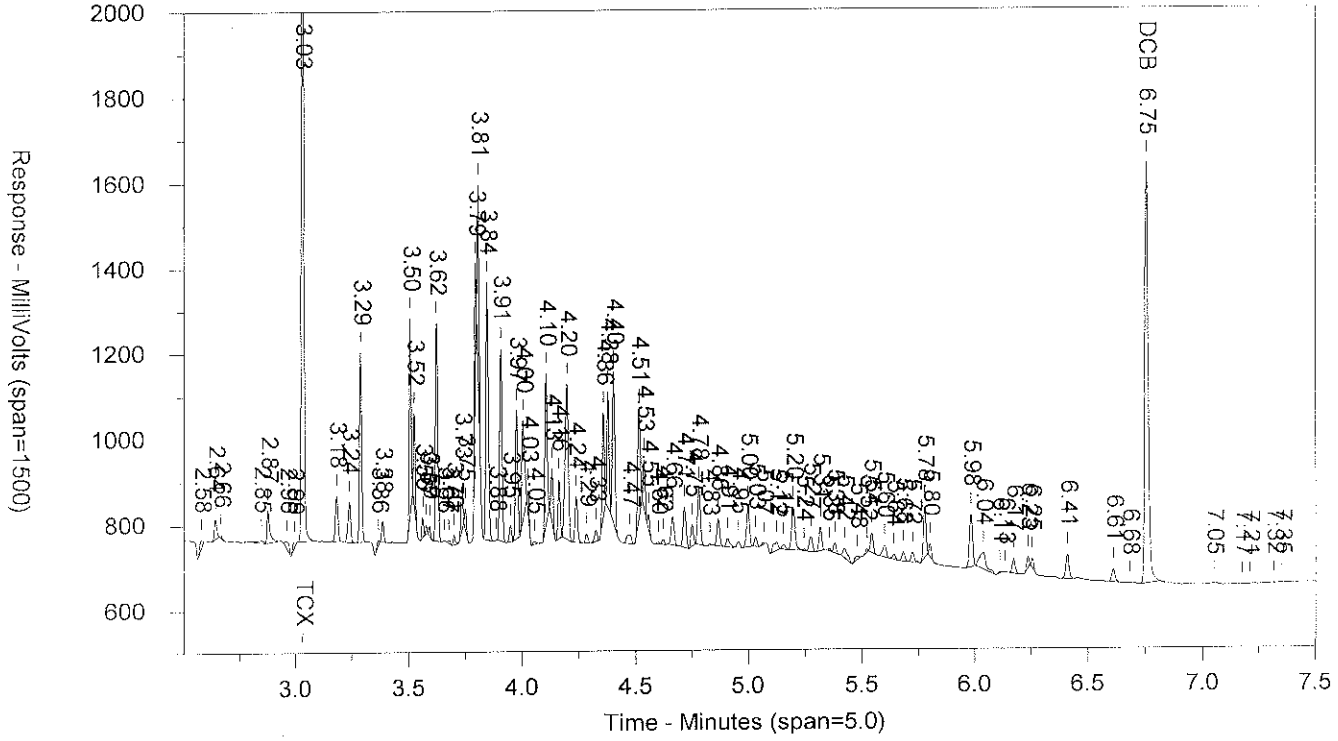

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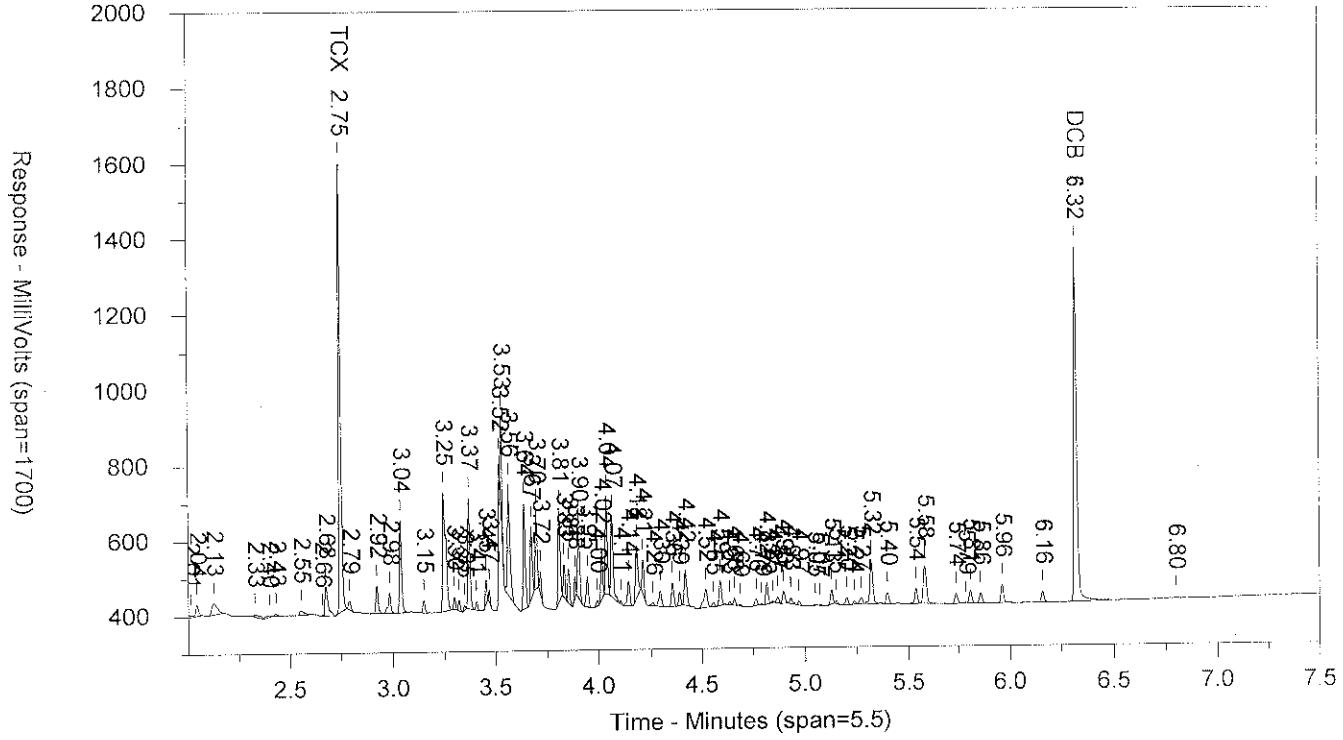

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0009.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		3150	1984
1.657		11136	52282
1.728		2621	1094
1.809		3478	4628
2.122		45457	73679
2.181		70998	272956
2.317		63796	53920
2.343		8422	7272
2.411		47338	30406
2.428		22608	15256
2.521		3154	2106
2.579		14105	17375
2.64		29065	21133
2.664		15586	9503
2.874		46893	37671
3.03	TCX	12364110	8089142
3.161		3774	1527
3.182		207864	167383
3.237		206429	202931
3.287		849705	566618
3.363		23438	15306
3.381		91448	58326
3.504		869409	506675
3.521		408424	219050
3.558		86449	48937
3.574		37116	16243
3.588		44164	20765
3.62		1011590	695957
3.657		4634	2710
3.675		15637	10534
3.695		57039	34779
3.731		189377	113393
3.747		97998	51140
3.793		572681	296953
3.805		874039	442078
3.844		1174059	882445
3.904		883398	655540
3.946		70473	50879
3.975		580014	415870
4.002		424599	370347
4.025		122597	62636
4.052		5616	3680
4.103		667313	474522
4.128		237832	155010
4.16		263385	189878
4.196		706031	687978
4.238		215903	170379
4.283		40162	32409
4.325		52979	42931
4.359		453230	307853
4.38		541640	348413
4.404		680184	503421
4.464		7422	6099

RT A	Compound A	Height A	Area A
4.473		12500	7012
4.513		477804	384658
4.534		221806	131506
4.554		60539	35546
4.594		7705	4832
4.618		22311	16790
4.662		112788	104096
4.714		176528	155421
4.747		86263	66446
4.778		248853	210089
4.824		2742	1434
4.863		117123	106698
4.904		11250	8797
4.952		25859	24269
4.995		176238	155859
5.03		86551	77551
5.075		20099	29644
5.11		4090	3668
5.124		15289	10314
5.157		8316	8635
5.195		175555	171508
5.238		2822	1741
5.271		146683	137604
5.313		47988	42050
5.334		3631	2001
5.353		6226	3527
5.377		3815	2950
5.479		6019	8447
5.521		15440	11982
5.54		7581	6078
5.595		13944	16884
5.621		3341	1729
5.678		89198	87957
5.721		13154	10881
5.776		17795	11987
5.8		172598	152250
5.882		2561	3025
5.926		1509	658
5.981		30024	28518
6.026		8990	16994
6.109		2095	1515
6.17		123434	124694
6.235		137563	118237
6.406		13870	13549
6.527		1385	363
6.607		65722	64297
6.689		1029	226
6.753	DCB	4489690	4745195
7.052		2188	1997
7.226		3246	3053
7.457		1919	733
7.626		1273	335
8.187		1096	1236
8.332		1029	858
8.445		1436	452
8.615		1725	1159

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0009.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.63		3123	14797
1.919		3093	9546
2.011		5787	12872
2.047		40217	53370
2.125		20516	39128
2.179		11256	9871
2.276		1837	2412
2.331		3240	7647
2.398		3933	7693
2.43		11112	9437
2.552		8089	14856
2.677		51114	58653
2.75	TCX	6012809	4175361
2.792		36992	25824
2.922		136767	107047
2.971		41694	20596
2.984		66205	35058
3.037		461647	340204
3.088		11760	8162
3.149		62951	47024
3.246		584406	654876
3.298		64847	41835
3.32		45522	29333
3.347		28559	16133
3.37		547539	414317
3.406		43166	27385
3.435		8684	4252
3.453		116720	67079
3.469		64360	33028
3.52		207691	105077
3.529		478742	229345
3.564		567821	467685
3.639		529246	380228
3.673		361223	236858
3.697		389807	239111
3.715		107090	58571
3.807		460405	344955
3.83		163808	96699
3.852		159677	108335
3.884		100350	56695
3.902		356367	246769
3.945		145491	121048
3.995		26231	18896
4.017		238710	164012
4.041		492564	350701
4.067		415559	311767
4.105		16111	8961
4.144		119080	103373
4.182		266495	220265
4.212		168774	114499
4.261		16211	14716
4.296		73277	67627
4.332		9414	5595
4.357		116860	97674

4.391		68715	51211
4.42		172292	145905
4.518		78512	96539
4.554		19028	14899
4.588		123926	107488
4.634		52915	40828
4.657		11815	6700
4.685		9758	8018
4.763		22733	24822
4.818		110582	98415
4.872		90211	75006
4.899		29319	24185
4.949		4914	3395
5.051		4489	6045
5.129		9556	7647
5.154		13317	10118
5.199		11191	13225
5.239		3582	2133
5.275		57318	50072
5.322		21466	18471
5.398		129341	121909
5.539		7515	5939
5.584		22681	25030
5.74		106441	101429
5.808		144163	136288
5.856		41016	39098
5.961		11130	10433
6.162		60778	55124
6.285		1427	2326
6.322	DCB	4162795	4172160
6.771		3417	3680
6.801		3095	3385

AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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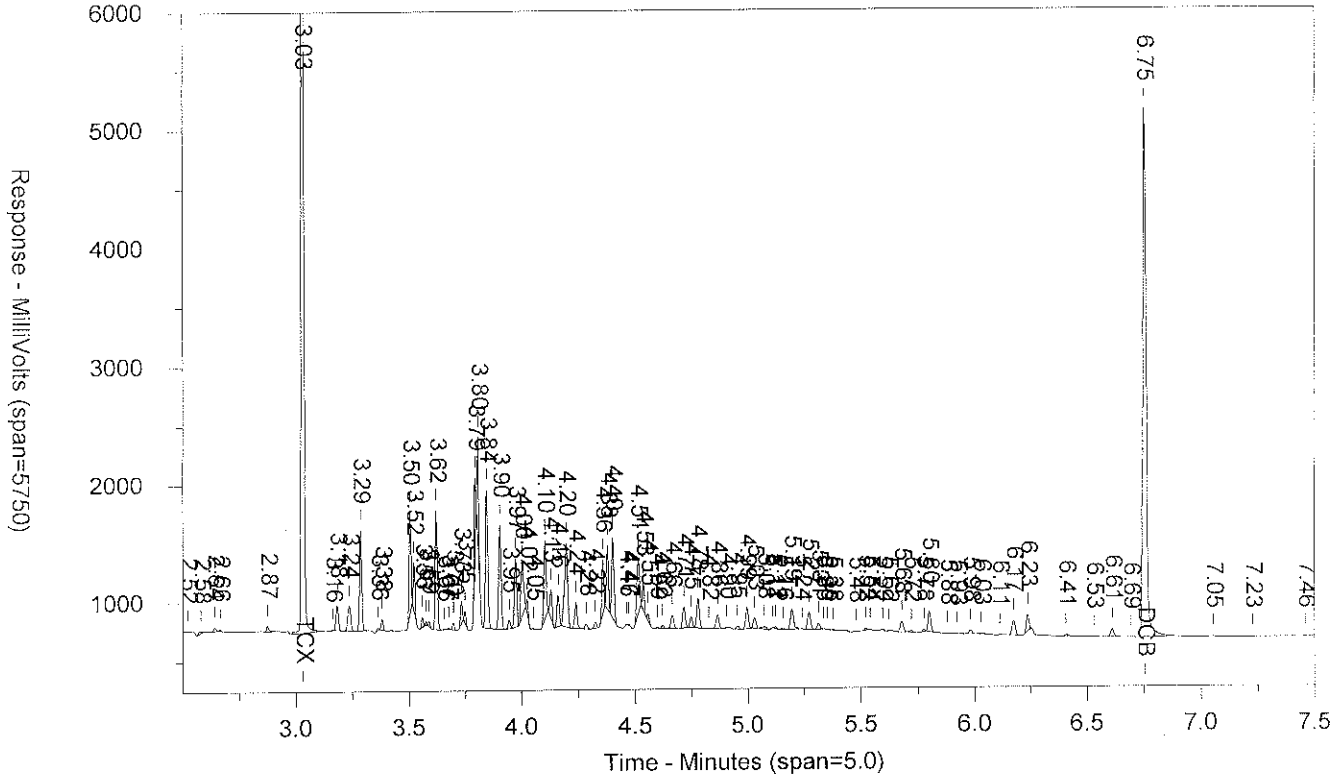

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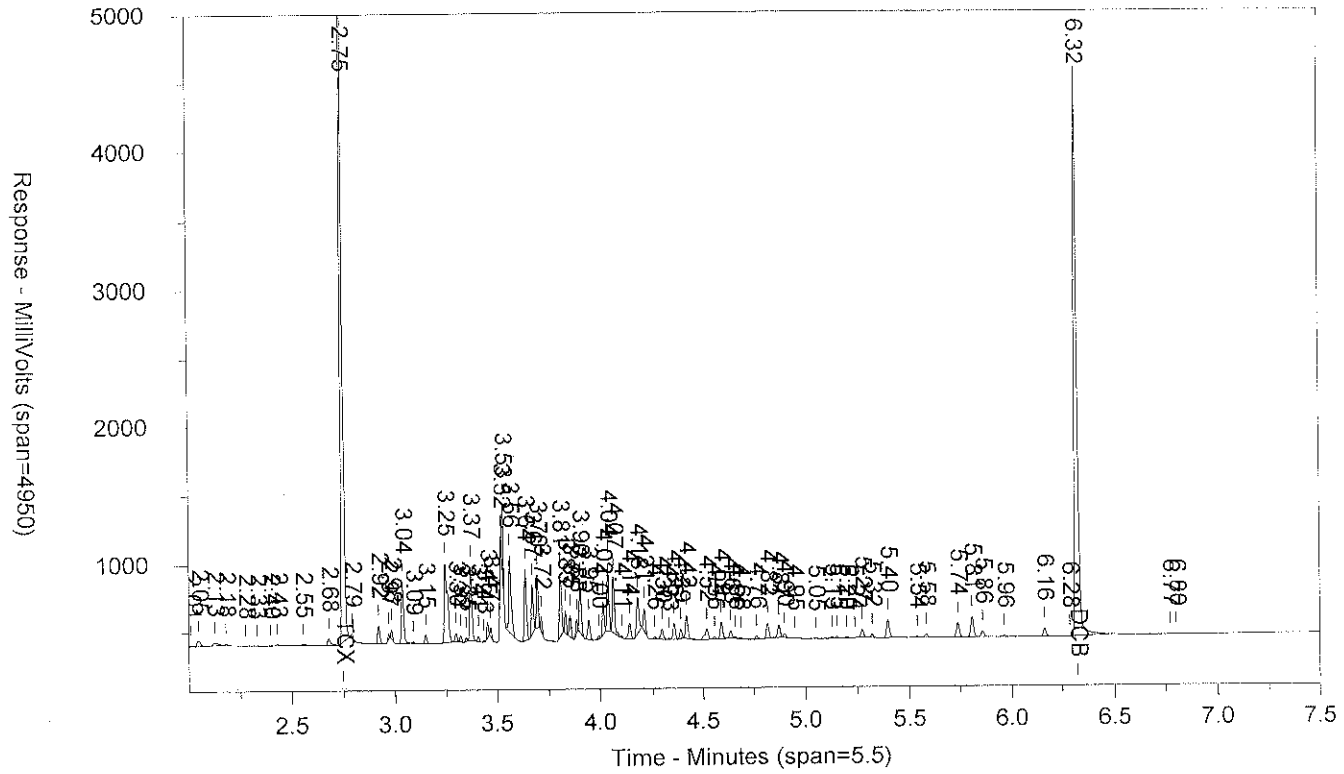

LANCASTER LABORATORIES

Sample Number: AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:46:37 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	12364110	19.472	TCX	2.75	6012809	19.808	TCX
6.753	4489690	17.591	DCB	6.322	4162795	18.041	DCB

Files:
Area File: 07pcbs17292002.0009.RAW
Area File: 07pcbs17292002B.0009.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 6:55:15 PM
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AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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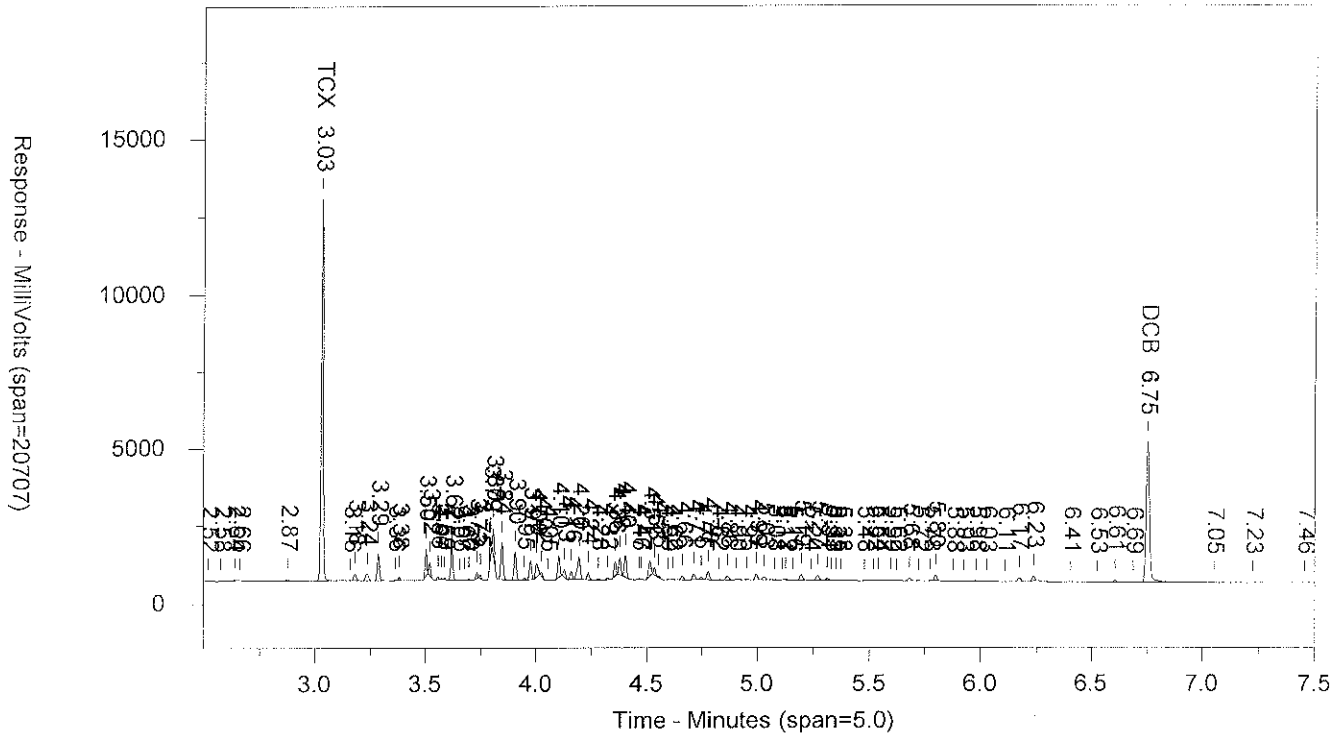

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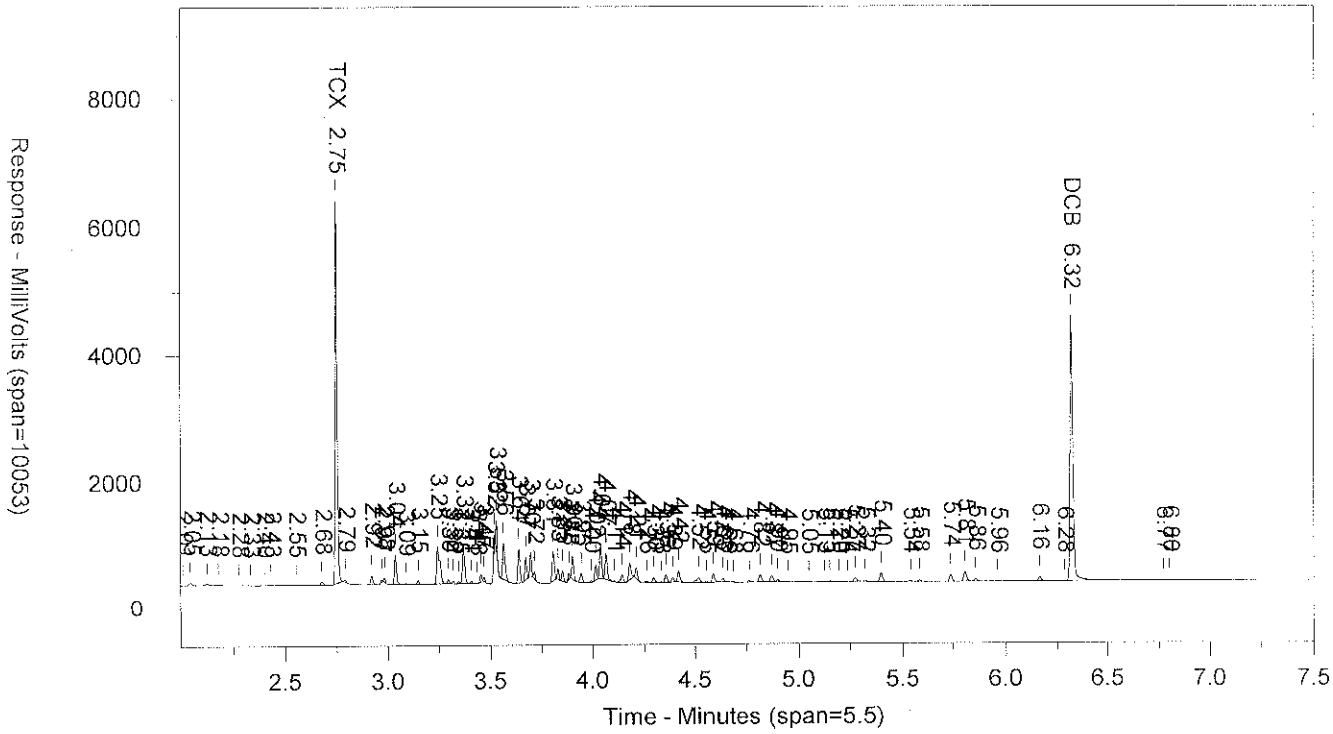

AR4231724B AAAR423AA ICAL 1729499999 06030 EPA 608

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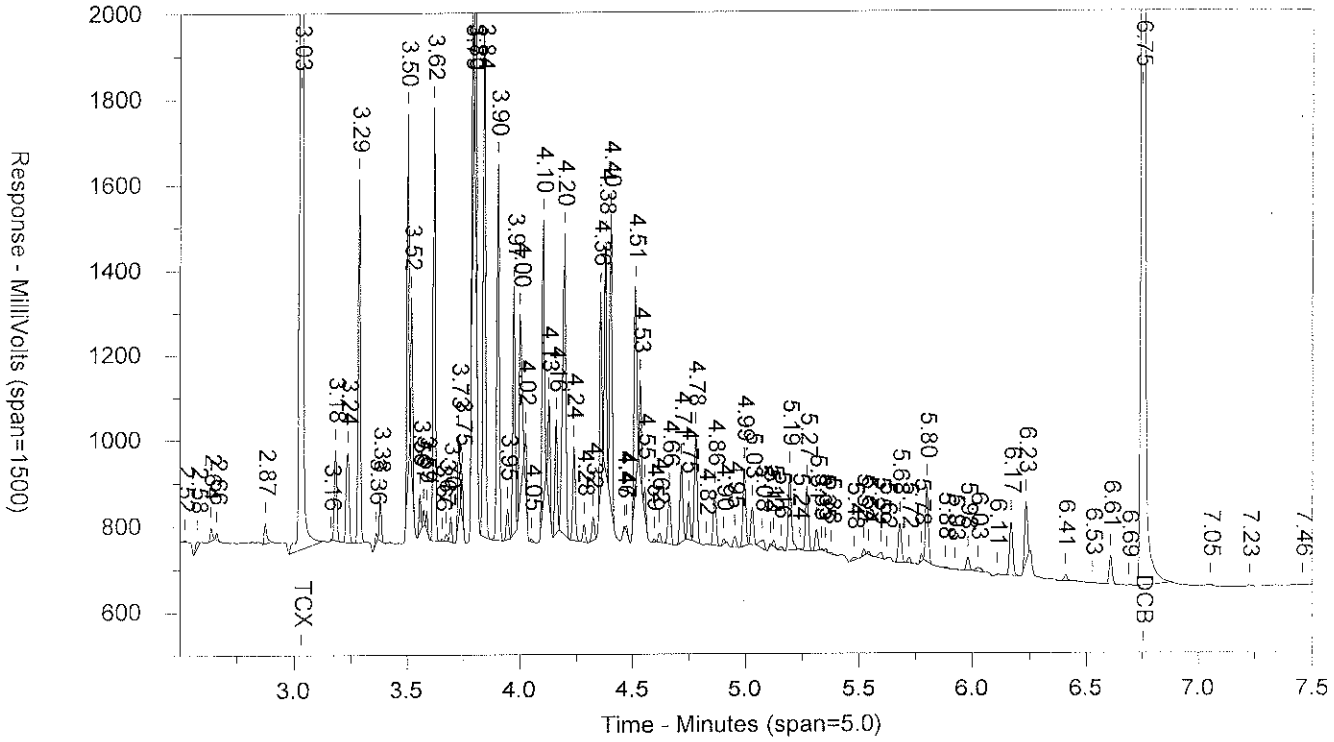

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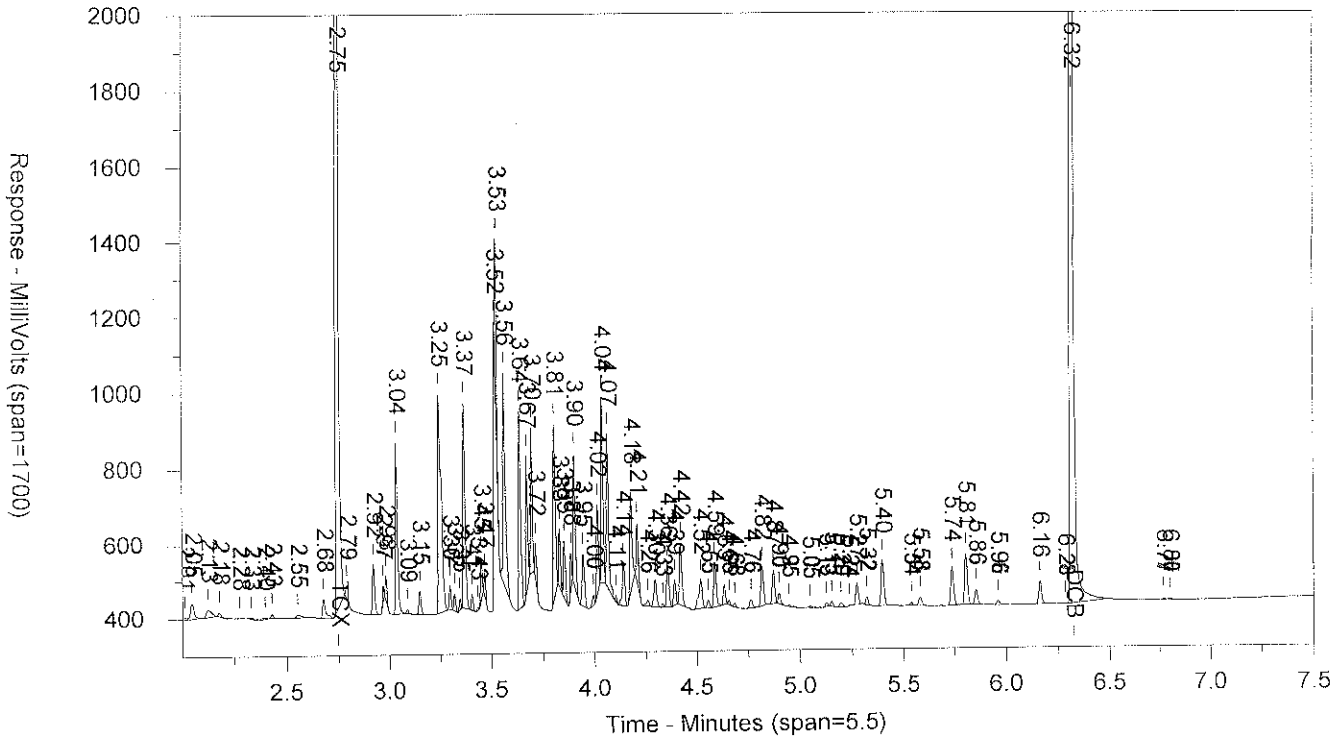

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0010.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.506		2707	1788
1.544		2704	2421
1.667		40232	115903
1.728		15944	21082
1.809		2499	1114
1.955		2947	3536
2.041		1979	992
2.124		34613	68220
2.184		97686	248417
2.243		36501	75491
2.317		106367	77650
2.411		61213	41261
2.428		44292	30744
2.469		2761	2091
2.521		6835	5984
2.575		13585	12963
2.639		14523	10812
2.665		35349	22973
2.874		55640	44258
3.03	TCX	25114460	16127700
3.13		3919	2153
3.162		6217	2559
3.182		401411	327803
3.236		392758	392798
3.287		1688534	1106192
3.363		41990	23101
3.381		181685	114147
3.421		6609	4026
3.503		1706466	995103
3.52		827598	443312
3.558		174360	98481
3.574		74370	31648
3.587		80443	36376
3.62		1918154	1354403
3.655		8528	4646
3.675		29442	18040
3.694		126921	78979
3.731		382848	222927
3.746		194977	97284
3.792		1009486	558239
3.805		1934716	953963
3.843		2379114	1761330
3.904		1747568	1312052
3.946		145107	99461
3.973		1143740	821973
4.001		873085	739278
4.024		242581	125816
4.052		8235	4816
4.102		1348358	944745
4.127		462067	297924
4.159		511956	373675
4.195		1405022	1380478
4.236		418023	335152

RT A	Compound A	Height A	Area A
4.283		78237	61032
4.324		104876	80488
4.358		898952	612507
4.379		1130776	727653
4.402		1410523	1022735
4.463		12609	11962
4.472		25053	14031
4.511		948852	766381
4.533		450458	260249
4.552		124393	68326
4.594		11642	7491
4.617		42705	32678
4.66		229928	207370
4.713		344850	294155
4.745		176046	129439
4.776		482520	418393
4.823		6792	4867
4.861		230680	206459
4.902		35541	45954
4.951		53402	47923
4.994		337834	307688
5.029		171483	149527
5.076		34415	40500
5.106		19857	14353
5.121		21594	14167
5.157		14198	11551
5.194		328883	336721
5.239		7955	4108
5.27		284864	265252
5.312		88844	78546
5.334		7108	3026
5.352		11724	6838
5.375		5517	3660
5.419		7893	13325
5.47		4305	3533
5.519		29649	23758
5.539		9581	6178
5.594		13869	16470
5.623		3574	3228
5.633		6994	5081
5.676		177650	165934
5.717		21229	18755
5.743		3912	2023
5.773		11363	6551
5.799		325855	305490
5.98		28372	27892
6.026		11238	17768
6.101		1113	277
6.169		235417	233384
6.233		258199	227992
6.251		22559	11750
6.323		2355	2896
6.353		1903	2005
6.407		10104	10961
6.53		2929	2438
6.573		1848	1106
6.606		120586	120600
6.751	DCB	8929021	9208224
7.016		1724	507
7.227		7292	8331
7.423		1467	565
7.604		807	267
7.634		1278	431
7.664		904	633
7.679		1001	414
7.751		1228	564

RT A	Compound A	Height A	Area A
7.81		1797	580
8.007		1312	332
8.045		1296	483
8.121		1700	440
8.234		1513	451
8.249		1504	460
8.297		1710	793
8.39		1016	545
8.572		1367	946
8.662		1829	489

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0010.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.632		2606	12289
1.81		1281	2037
1.915		17179	70056
2.011		2249	5219
2.05		62553	71595
2.129		32647	61670
2.18		21179	17372
2.277		3379	4337
2.398		3424	5520
2.43		22059	17775
2.555		4310	7725
2.677		58588	49341
2.75	TCX	12229220	8447603
2.792		70855	49751
2.923		262507	207022
2.971		75766	38740
2.984		120491	66281
3.037		880778	650814
3.088		23416	14926
3.15		121133	90949
3.246		1113858	1232681
3.298		122689	79109
3.321		99180	65320
3.346		60058	33728
3.37		1037886	793120
3.406		83169	53106
3.434		18424	8657
3.453		231601	128024
3.468		119139	61398
3.519		408378	212155
3.529		942345	458181
3.564		1108501	911252
3.639		1061190	738351
3.672		671383	448236
3.697		738309	457250
3.715		206959	111793
3.806		873189	661438
3.831		299283	181148
3.852		311496	206453
3.884		194207	109123
3.902		682102	480112
3.946		278339	234658
3.994		50455	37434
4.017		469386	319789
4.04		981145	688622
4.066		819225	619050
4.106		33053	18562
4.143		222447	200469
4.181		526375	436265
4.211		340745	231159
4.259		28130	22350
4.296		144872	130092
4.331		18936	11346
4.356		228205	191344

4.39		135621	101019
4.419		338503	274833
4.458		6500	4870
4.518		148653	184327
4.553		37795	29488
4.587		222617	194629
4.633		102982	78386
4.656		21942	12877
4.685		17673	13946
4.762		47695	48585
4.817		216986	202735
4.871		174626	144349
4.898		56288	47074
4.948		9717	6862
5.049		3468	2816
5.092		3167	1991
5.128		13293	10283
5.151		25017	21575
5.196		18614	21302
5.238		4702	2887
5.274		110437	96275
5.298		7181	3829
5.319		14511	13169
5.397		247743	245141
5.513		2018	1615
5.536		7296	6414
5.582		22437	27481
5.739		202210	189578
5.806		282909	258759
5.856		76717	73248
5.959		7804	7461
6.16		111204	103696
6.32	DCB	8325268	8204169
6.767		5396	5272
6.801		3239	2713
7.209		1000	1710
8.406		1926	3291

AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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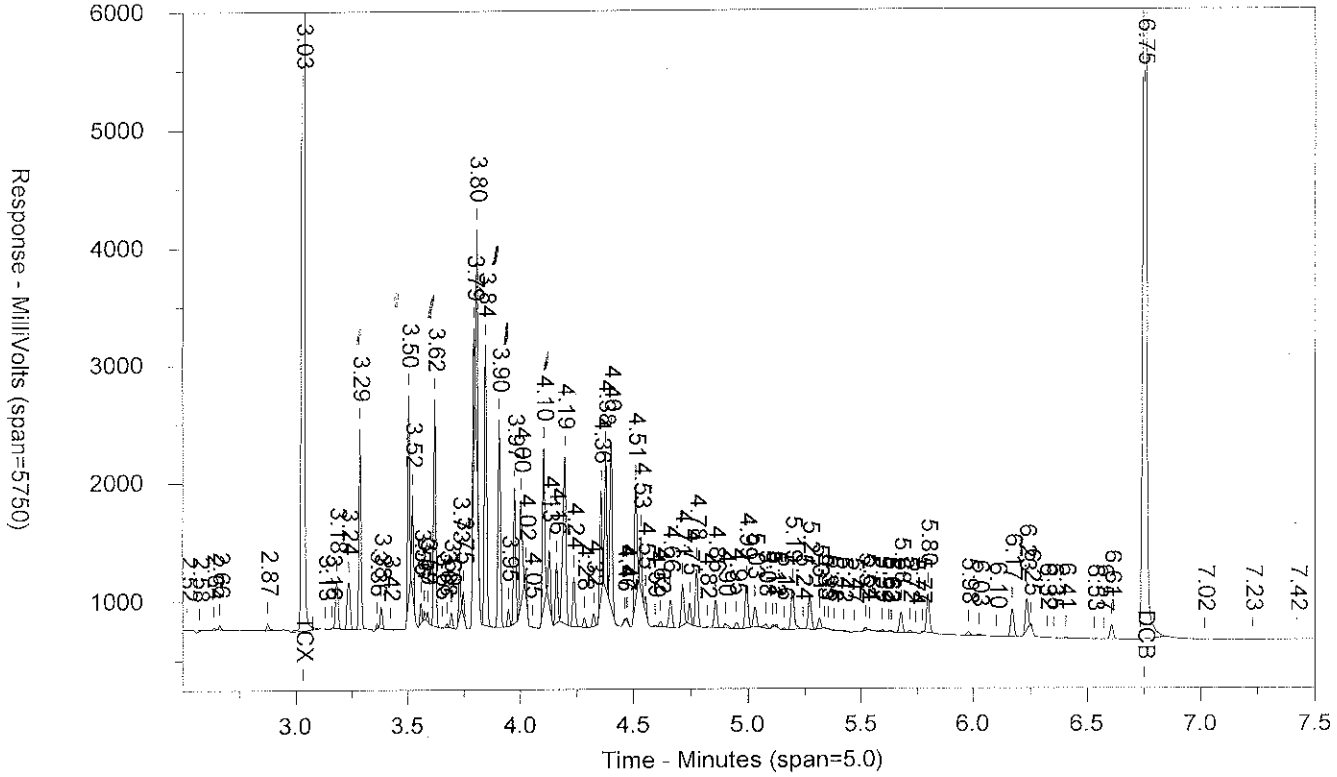

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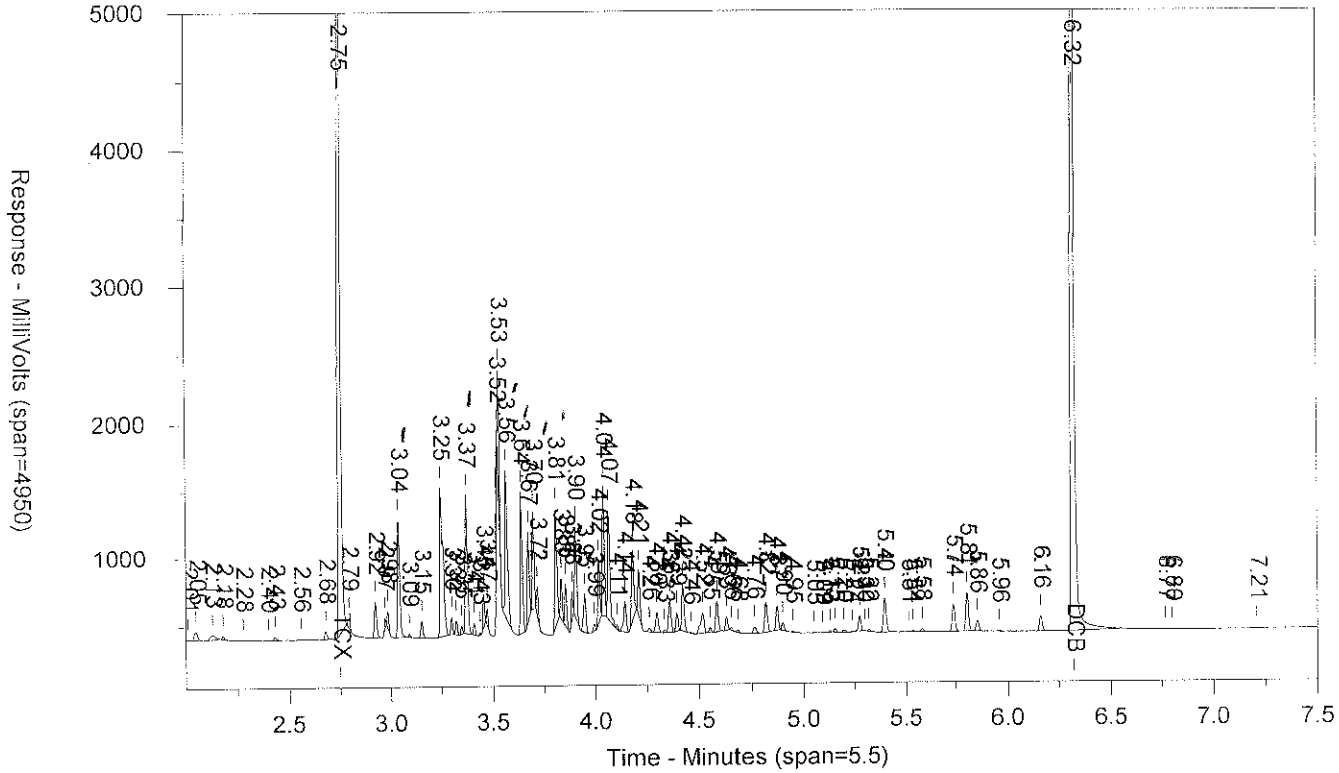

LANCASTER LABORATORIES

Sample Number: AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 6:57:59 PM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	25114460	39.553	TCX	2.75	12229220	40.288	TCX
6.751	8929021	34.985	DCB	6.32	8325268	36.081	DCB

Files:
Area File: 07pcbs17292002.0010.RAW
Area File: 07pcbs17292002B.0010.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:06:41 PM
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AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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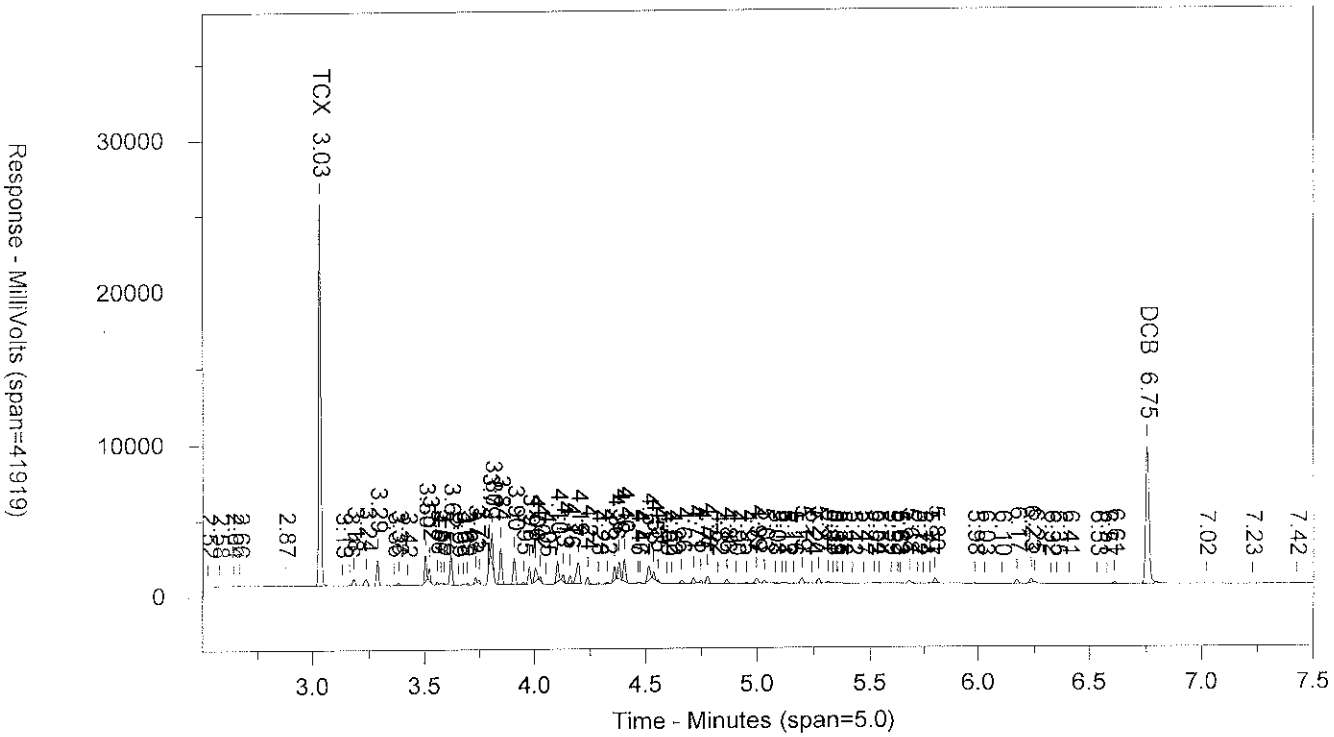

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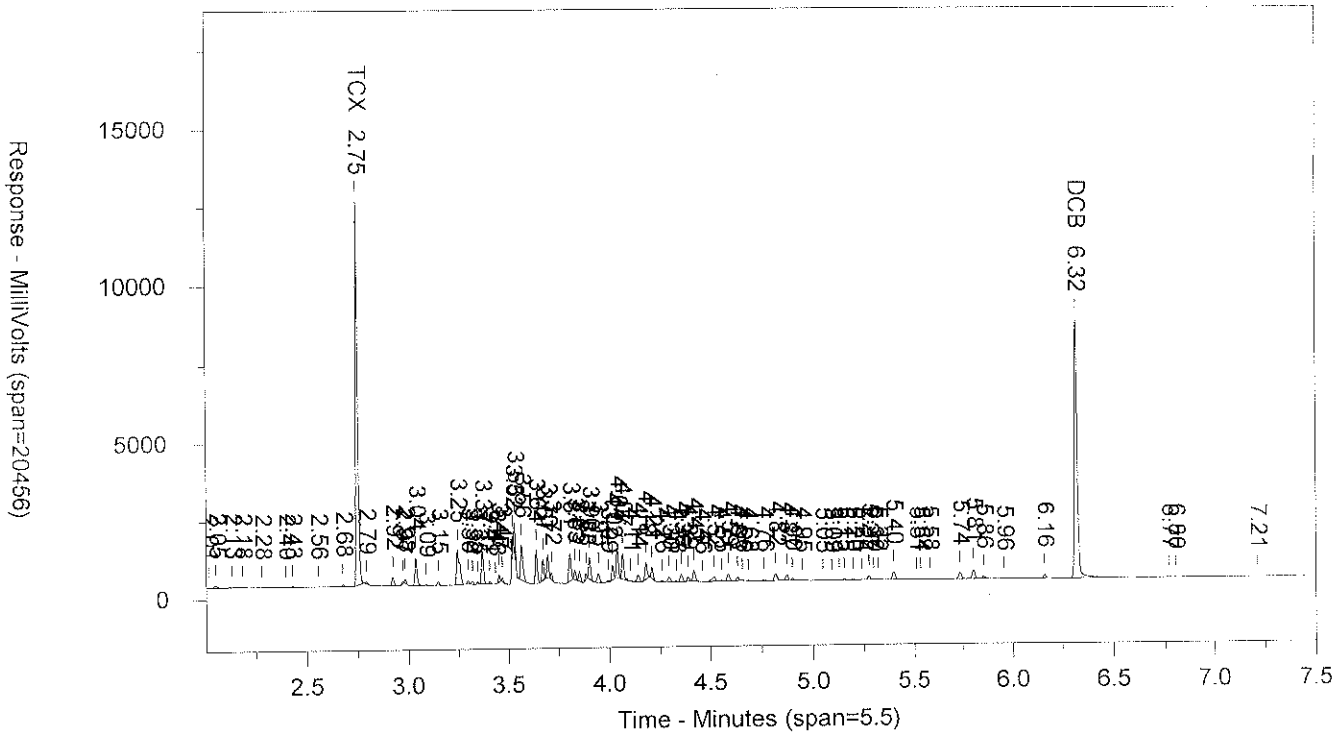

AR4241724A AAAR424AA ICAL 1729499999 06030 EPA 608

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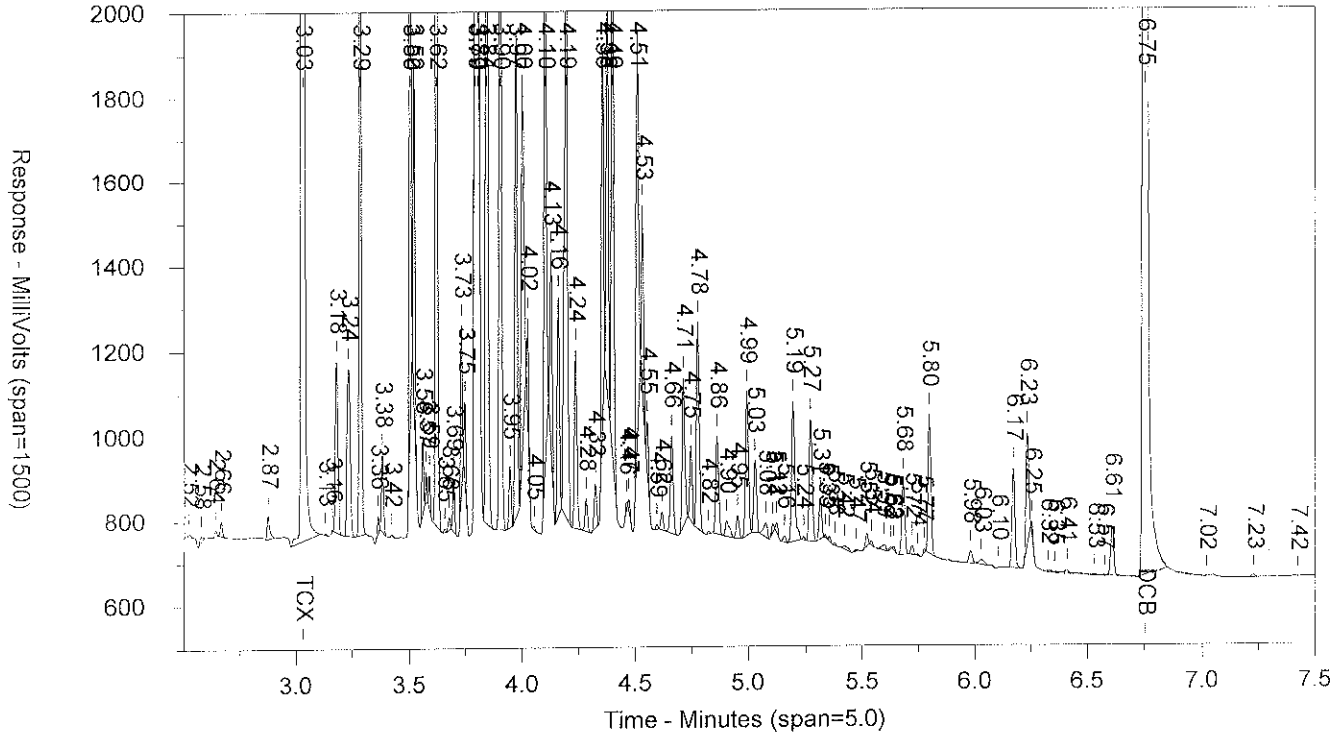

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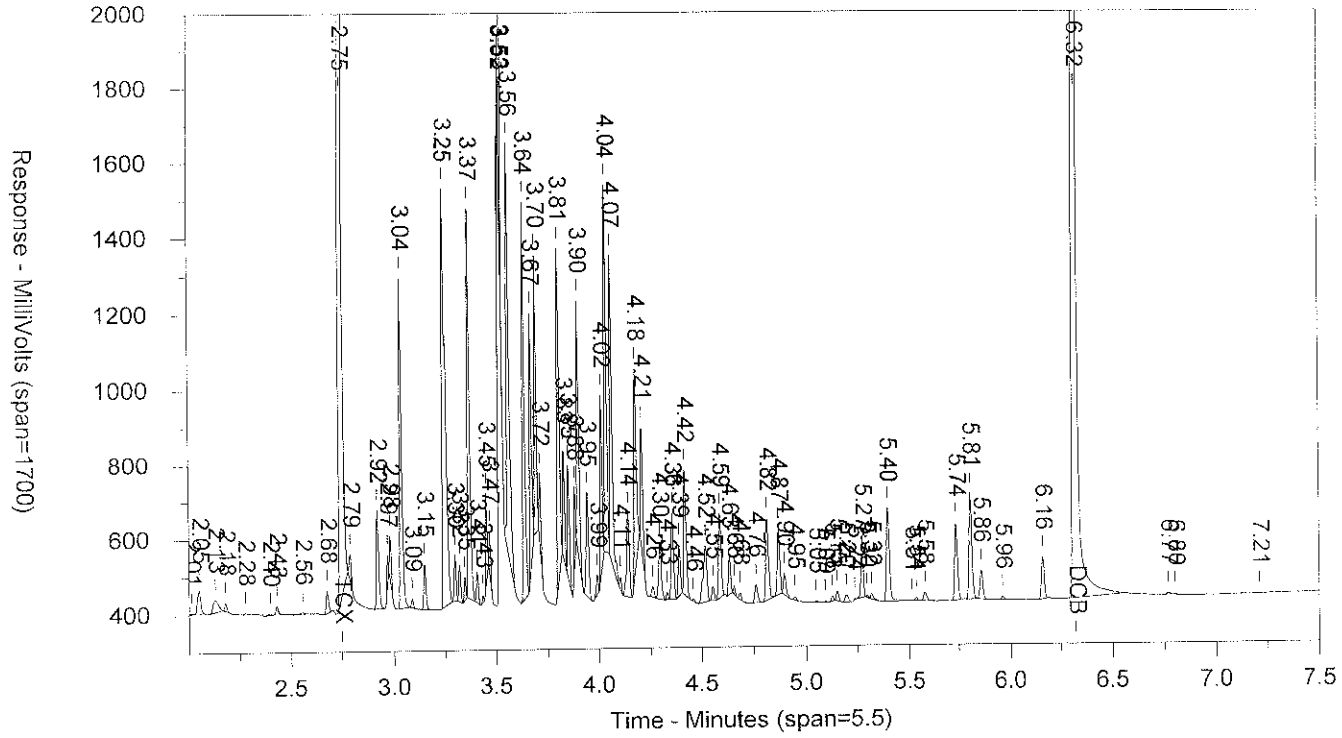

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0011.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.546		2325	650
1.667		35370	111940
1.729		8608	7305
1.953		2440	2749
2.138		24789	78835
2.183		43734	93488
2.235		7794	7530
2.317		151480	103959
2.411		41062	25341
2.428		61314	43565
2.466		2413	1715
2.521		8141	6764
2.58		8658	12945
2.639		13495	9016
2.664		84877	58078
2.874		35800	23965
2.945		17765	25059
3.03	TCX	36254860	23610660
3.131		5285	2733
3.162		18209	8227
3.181		1045201	843957
3.238		922019	805599
3.287		4311892	2923887
3.363		52246	27863
3.381		465276	302181
3.421		15706	10429
3.503		4324943	2507817
3.52		2290021	1166651
3.558		441908	254273
3.574		190413	83606
3.588		222674	109599
3.62		5177437	3612238
3.655		21147	10322
3.674		48394	30576
3.695		353237	228362
3.731		988482	570541
3.746		502820	262343
3.793		2707731	1434344
3.805		4994610	2505099
3.843		6371296	4723951
3.904		4734026	3534414
3.946		352639	252204
3.974		2985011	2151359
4.002		2305517	1950673
4.024		587158	315796
4.05		13081	7537
4.103		3546210	2520280
4.128		1280379	822347
4.159		1415945	992936
4.195		3744419	3727589
4.236		1081745	876893
4.283		206255	161994
4.324		273176	211579

RT A	Compound A	Height A	Area A
4.359		2355731	1640400
4.38		3200212	2014159
4.403		3853546	2817913
4.472		194428	266572
4.512		2578689	2058802
4.534		1227850	721729
4.553		328558	180846
4.595		31168	19304
4.618		109865	79599
4.661		558096	506941
4.714		851492	722964
4.746		446849	333873
4.777		1290545	1100642
4.825		11372	6915
4.863		587026	534951
4.903		82698	109232
4.953		132966	119134
4.995		872356	794980
5.029		246355	209821
5.076		82680	90058
5.107		56988	39154
5.123		44772	28643
5.158		17941	14636
5.195		892131	825671
5.239		19460	12515
5.27		417745	389904
5.313		222765	191832
5.335		15950	7422
5.352		19994	12977
5.376		7786	5464
5.421		9135	13354
5.473		3220	2781
5.489		1812	844
5.521		78101	62833
5.54		16326	9652
5.596		17521	17850
5.621		6643	3948
5.634		11524	7688
5.677		250133	238037
5.718		58935	48462
5.742		9548	6588
5.775		23545	14519
5.799		467174	428255
5.981		49359	49093
6.028		16659	25117
6.103		1635	559
6.169		338001	325056
6.233		370676	323194
6.406		13229	12465
6.531		2130	1553
6.573		2683	2585
6.607		170742	173878
6.699		2264	1395
6.752	DCB	13753800	13594890
7.023		1258	342
7.228		9821	10886
7.335		1180	911
7.402		992	883
7.44		2016	892
7.522		1257	460
7.566		1411	354
8.025		2313	503
8.471		1726	1520
8.553		1525	643
8.617		1421	407

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0011.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.666		4707	25410
1.743		2319	2827
1.907		3144	6943
2.018		4319	10417
2.051		82917	89041
2.128		15177	27071
2.179		32386	26861
2.274		4113	5118
2.398		2494	4668
2.429		53435	44040
2.552		4265	8768
2.677		39874	32377
2.705		9680	6981
2.75	TCX	18335560	12501640
2.792		184050	141183
2.922		661599	515240
2.97		80336	37326
2.983		347295	206198
3.036		2214320	1610200
3.088		32210	19711
3.149		295376	220668
3.246		2677747	3039366
3.298		299332	196502
3.32		195467	119703
3.346		157387	90629
3.37		2622311	1984383
3.406		210531	136454
3.434		21149	10106
3.452		581057	323794
3.468		303017	159540
3.519		865265	499960
3.529		2708492	1321988
3.563		2840304	2219040
3.639		2799276	1927537
3.672		1709934	1116701
3.697		1914738	1153575
3.715		518951	265921
3.806		2230820	1688269
3.83		761572	452359
3.852		779001	521237
3.884		477216	271829
3.902		1797467	1237573
3.945		699510	583948
3.994		117934	90596
4.017		1220765	827918
4.04		2569613	1795725
4.067		2239041	1625630
4.105		73862	41641
4.143		557840	495092
4.181		1377032	1131180
4.211		951222	640396
4.26		73506	56415
4.296		345168	315068
4.332		24227	14175

4.356		573767	488298
4.391		333652	251652
4.42		828836	686082
4.459		13421	11312
4.518		367829	444201
4.554		89023	73184
4.587		604522	527480
4.633		132725	99933
4.657		56222	34952
4.685		47592	38947
4.763		98462	105380
4.817		561762	523155
4.872		243954	207542
4.899		140954	129471
4.948		20728	15259
5.05		4710	5810
5.093		8618	8153
5.129		18846	13908
5.153		65233	52692
5.197		27459	30737
5.24		6497	4757
5.275		146667	128730
5.3		21721	12809
5.321		26467	22260
5.398		354471	336235
5.517		1969	1497
5.538		12201	9995
5.583		39844	46496
5.74		283081	267230
5.807		378491	366210
5.857		112377	102553
5.962		10826	9560
6.161		160459	147560
6.321	DCB	12342050	12172750
6.768		8659	7454
6.796		2322	2898

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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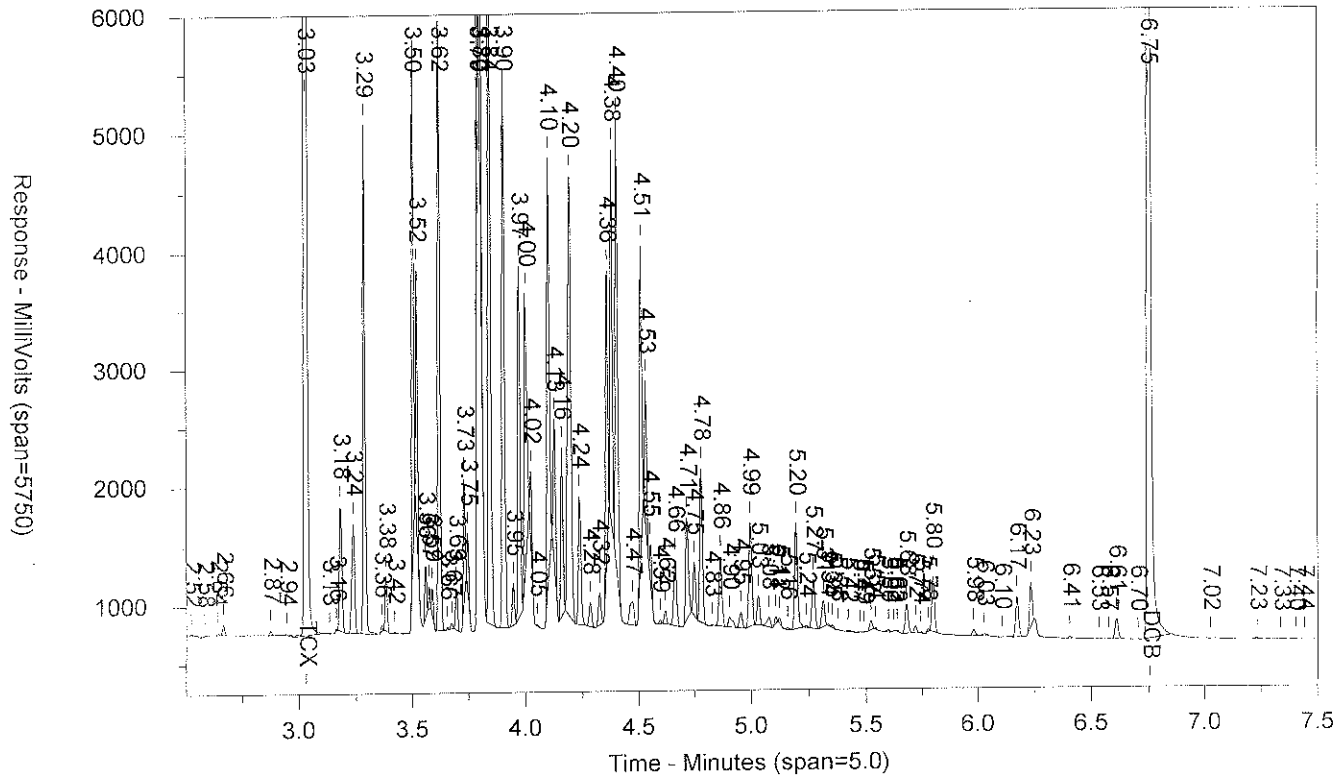

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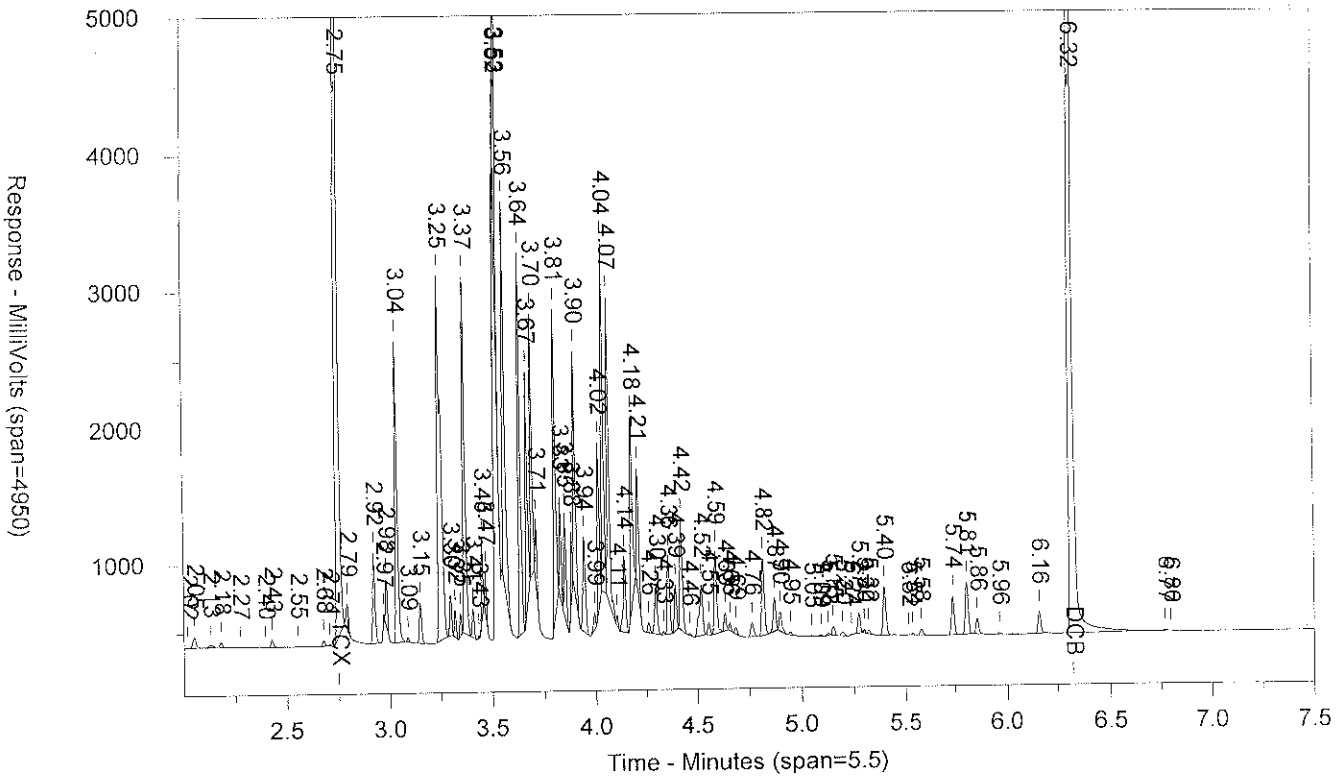

LANCASTER LABORATORIES

Sample Number: AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:09:27 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	36254860	57.098	TCX	2.75	18335560	60.404	TCX
6.752	13753800	53.889	DCB	6.321	12342050	53.49	DCB

Files:
Area File: 07pcbs17292002.0011.RAW
Area File: 07pcbs17292002B.0011.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:18:05 PM
File Reported On: 10/22/2017 at 7:18:18 PM

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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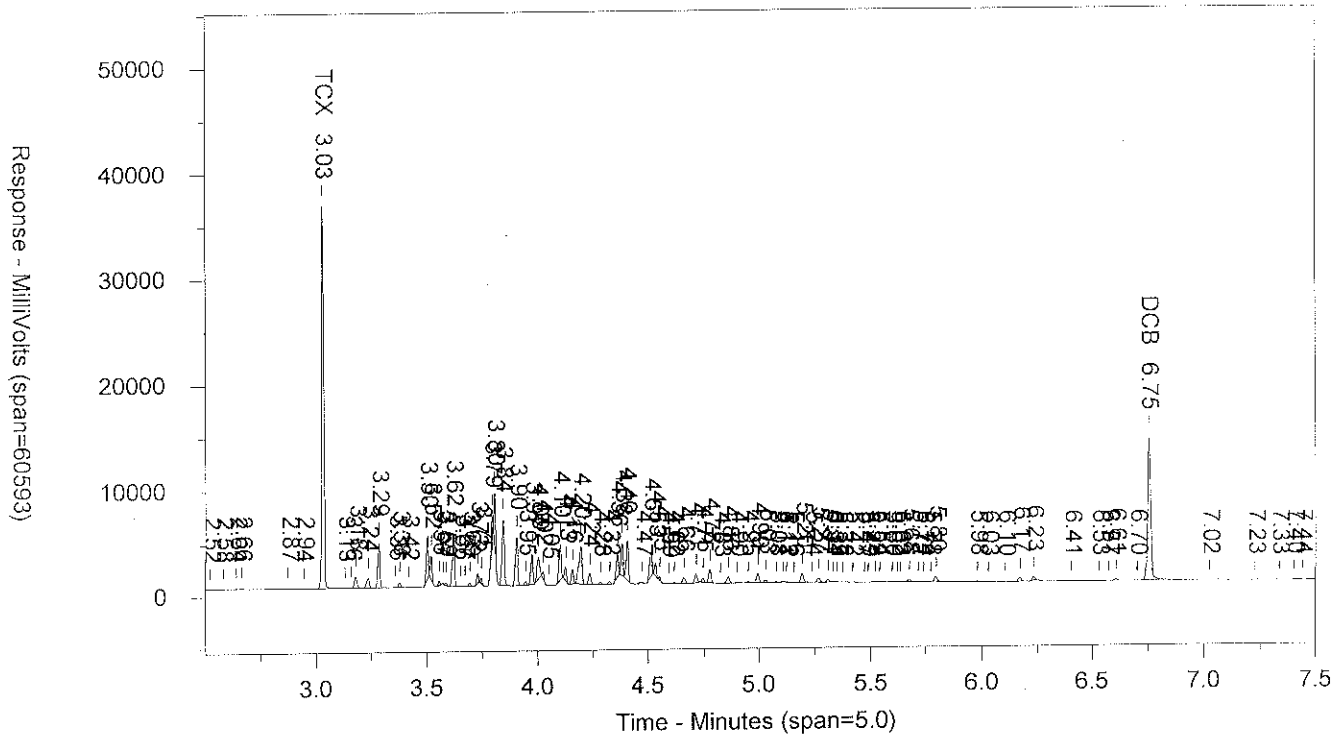

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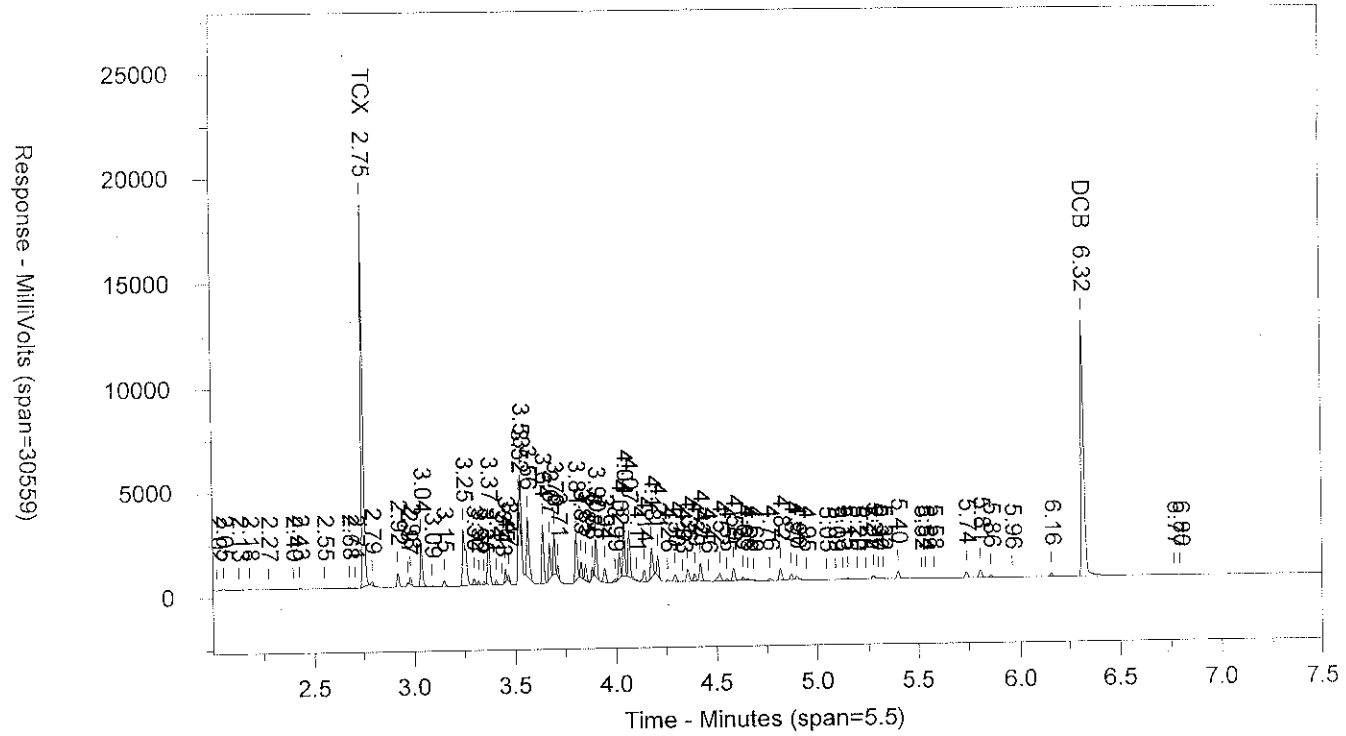

AR4251724A AAAR425AA ICAL 1729499999 06030 EPA 608

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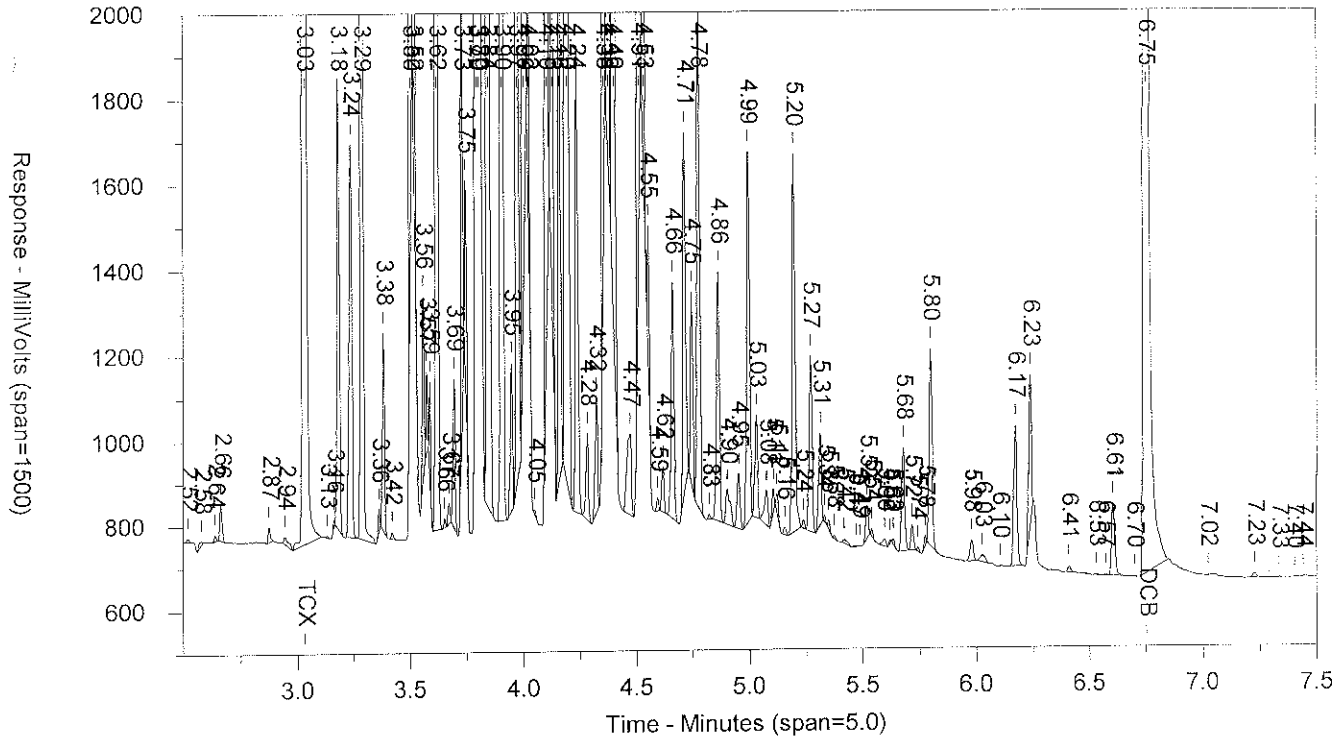

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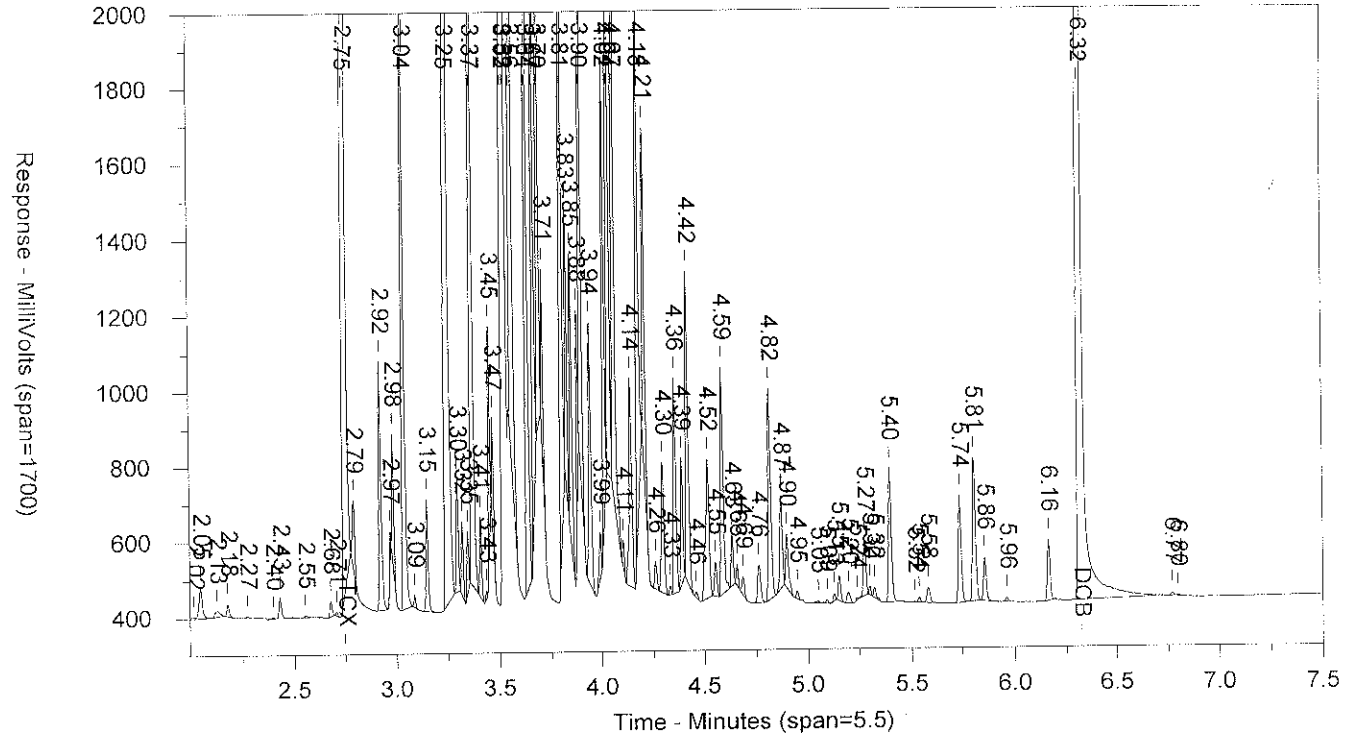

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0012.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.684		19449	165922
1.807		2881	1337
1.951		2787	1308
2.122		50472	106134
2.183		101998	211834
2.218		34104	32291
2.317		199970	155848
2.411		47634	31009
2.428		84110	62856
2.468		4084	3932
2.522		22180	59801
2.576		18488	20035
2.639		9944	6373
2.664		151374	103601
2.814		2465	1204
2.875		91224	83798
2.944		35607	47534
3.03	TCX	48096330	31709440
3.13		7246	4203
3.162		28548	14450
3.182		1918463	1532629
3.238		1712791	1362476
3.287		7917417	5308905
3.363		66326	36954
3.381		879249	559066
3.422		27706	18158
3.503		7731202	4596689
3.521		3931513	2128186
3.558		844993	475601
3.574		366485	155077
3.588		414870	203827
3.62		9259888	6650589
3.655		34692	18134
3.673		77453	47474
3.695		603376	398410
3.731		1911801	1095233
3.747		977465	498623
3.793		5152009	2676277
3.805		9722890	4966968
3.844		12010790	8853898
3.904		8945813	6679972
3.946		660210	462209
3.974		5621934	4033412
4.002		4193007	3730260
4.024		1127111	574707
4.051		22073	11372
4.102		6514334	4710384
4.128		2399842	1559468
4.159		2667255	1893032
4.195		7349539	7095283
4.236		2093840	1654123
4.283		383738	305196
4.325		501970	392361

RT A	Compound A	Height A	Area A
4.358		4465287	3109099
4.379		5528014	3594805
4.402		7335076	5395654
4.463		66272	51655
4.472		117177	68495
4.512		5068325	3930853
4.533		2503147	1515809
4.552		594756	333227
4.594		58091	38150
4.618		193578	147901
4.661		1061794	941734
4.714		1570635	1360442
4.746		878801	646941
4.777		2385778	2087125
4.824		22593	13544
4.862		1114258	1003636
4.904		85396	61612
4.953		240790	218111
4.994		1647919	1498480
5.028		350804	290581
5.076		158597	173566
5.105		104266	67164
5.123		90989	58807
5.155		24753	20712
5.195		1653573	1560211
5.24		38407	24926
5.27		588994	548176
5.313		402004	346440
5.335		30120	14991
5.353		35989	22021
5.375		7568	5346
5.418		15973	25257
5.477		1824	2817
5.52		142699	113029
5.54		22823	12463
5.596		20490	16193
5.622		9659	6114
5.634		14642	9766
5.677		342613	329672
5.718		96882	83001
5.743		18745	12421
5.775		28576	18164
5.8		692808	607113
5.981		79748	78545
6.026		25621	42489
6.111		1889	2997
6.169		479165	462071
6.233		545071	450863
6.251		41218	24714
6.406		34565	35689
6.533		4293	4049
6.575		2877	2015
6.606		246883	235821
6.751	DCB	18376930	18365370
7.035		1428	1023
7.225		13213	14437
7.445		1782	1195
7.629		1655	1474
7.692		1452	573
7.981		1082	723

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0012.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.622		4666	17775
1.912		1586	4133
2.05		106580	132389
2.127		43043	81079
2.179		42440	34715
2.27		5333	6129
2.397		4212	8632
2.429		90076	77647
2.556		2303	3050
2.677		99373	84876
2.705		16749	11058
2.749	TCX	24848720	17055990
2.792		323863	264752
2.922		1161934	914970
2.971		78773	42162
2.983		669913	395499
3.037		3999411	2877708
3.088		43247	26106
3.149		514069	391402
3.246		4805139	5478597
3.297		542779	354201
3.32		342487	211222
3.346		281275	163205
3.37		4852234	3618481
3.406		361404	237831
3.434		26129	11764
3.452		1038794	597858
3.468		567975	292562
3.519		1694521	979958
3.529		5001148	2494246
3.549		63994	17483
3.563		5334726	4158761
3.638		5050904	3618477
3.672		3224369	2049138
3.696		3590158	2165892
3.715		948684	507290
3.806		4228312	3144480
3.83		1472162	845205
3.852		1457249	957102
3.883		963148	519714
3.902		3328269	2271996
3.945		1271821	1068782
3.994		228450	166811
4.017		2307656	1558488
4.04		5038278	3421402
4.066		4154316	3103169
4.106		147197	78828
4.143		1019208	890911
4.181		2518360	2050731
4.211		1875206	1280766
4.259		130431	99836
4.296		616373	560754
4.331		30755	17043
4.356		1061941	895740

4.39		600960	457477
4.419		1570942	1264381
4.458		23945	20186
4.518		649954	800702
4.553		162405	130612
4.587		1101755	909763
4.633		176251	126949
4.656		98071	63033
4.684		86486	70079
4.762		171461	175947
4.817		1046990	963200
4.871		318778	275551
4.898		261678	239766
4.947		38534	28967
5.048		6683	9478
5.092		13798	10785
5.128		26638	19281
5.152		114992	98189
5.196		36673	42169
5.24		8680	6493
5.274		205732	170429
5.299		41436	26446
5.321		32945	29194
5.398		500786	480115
5.515		3410	2140
5.537		20926	18272
5.582		67973	76970
5.739		387849	368696
5.807		548109	505475
5.856		157737	144001
5.96		28029	27680
6.112		3075	2980
6.161		217074	208793
6.286		1708	1864
6.32	DCB	15803410	16105640
6.769		11605	10355

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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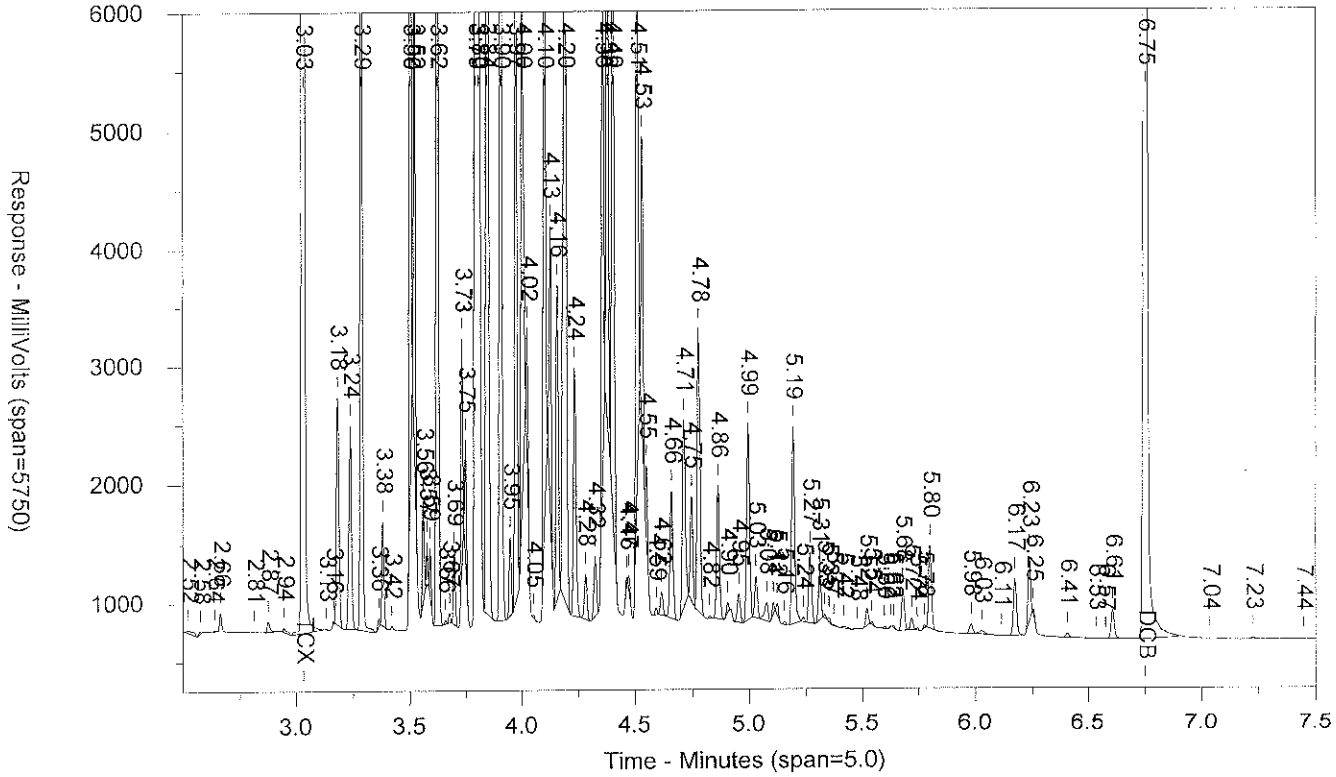

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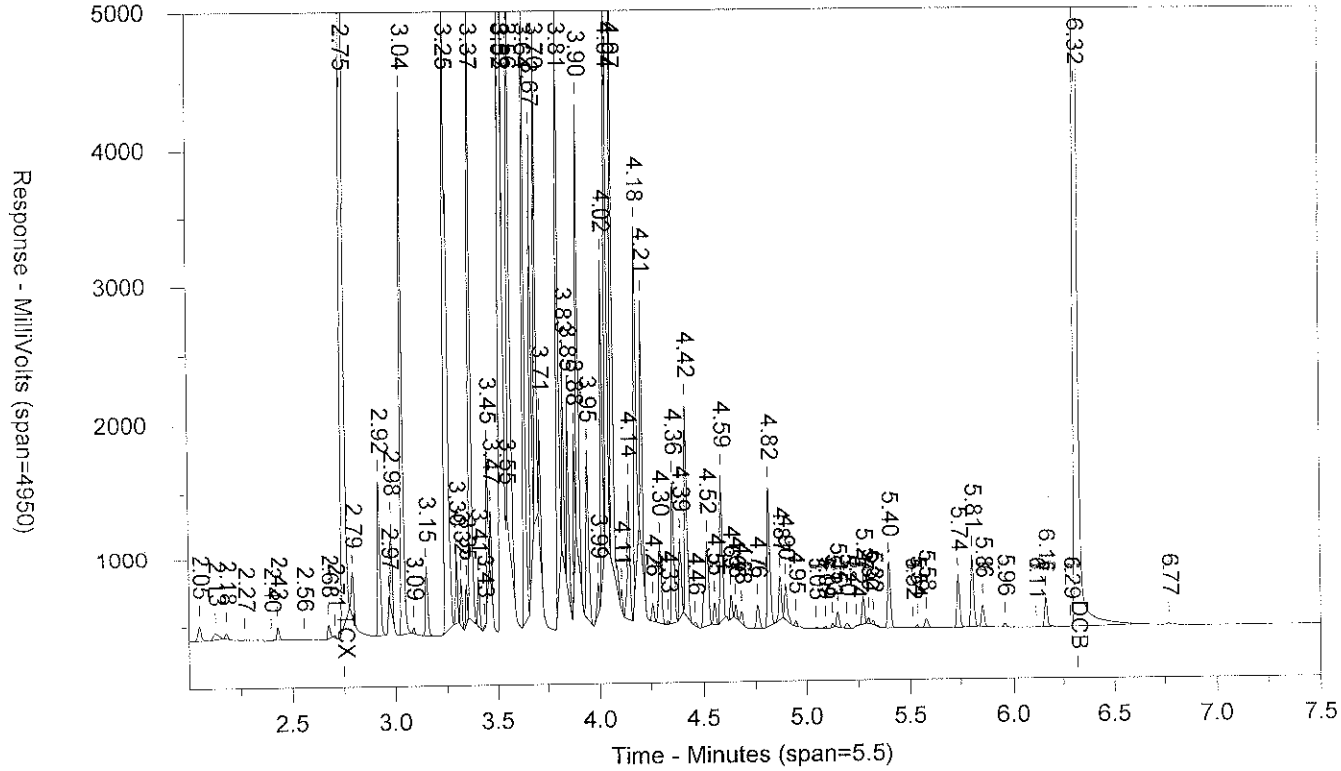

LANCASTER LABORATORIES

Sample Number: AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:20:53 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	48096330	75.748	TCX	2.749	24848720	81.861	TCX
6.751	18376930	72.003	DCB	6.32	15803410	68.491	DCB

Files:
Area File: 07pcbs17292002.0012.RAW
Area File: 07pcbs17292002B.0012.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:29:32 PM
File Reported On: 10/22/2017 at 7:29:46 PM

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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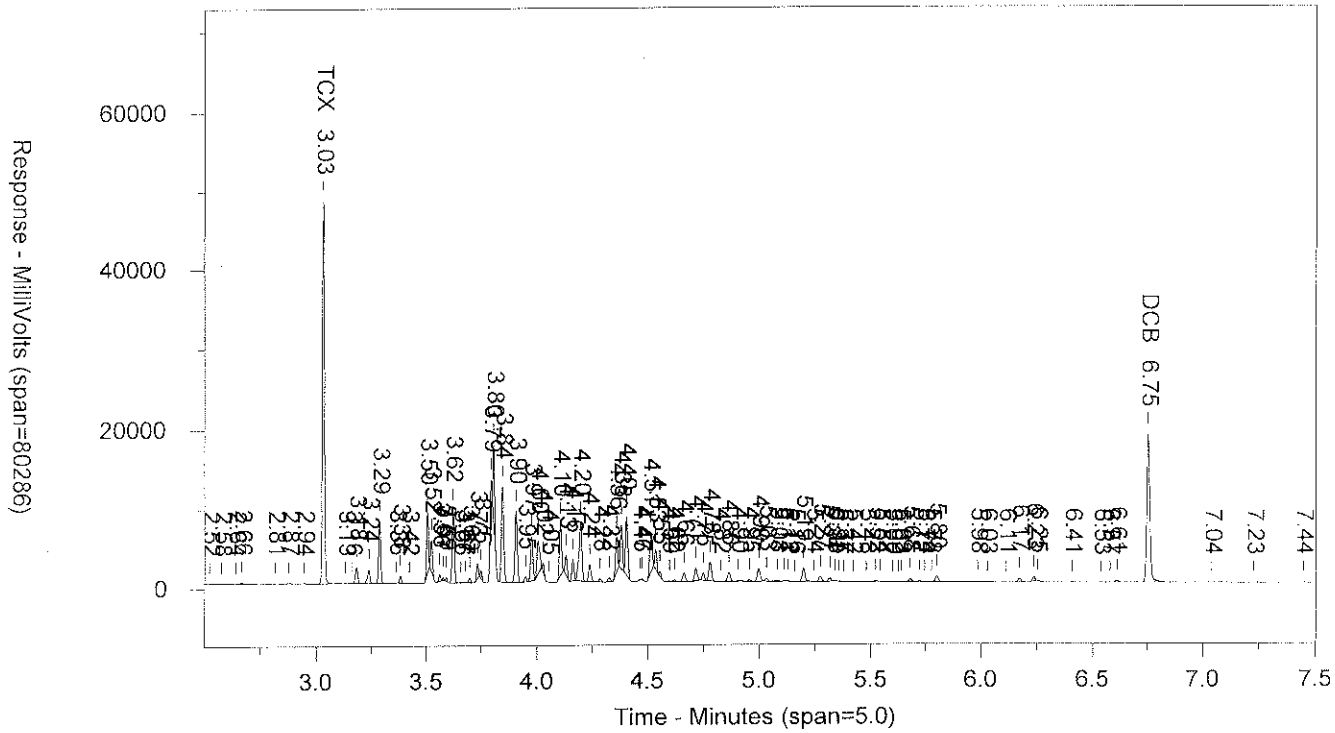

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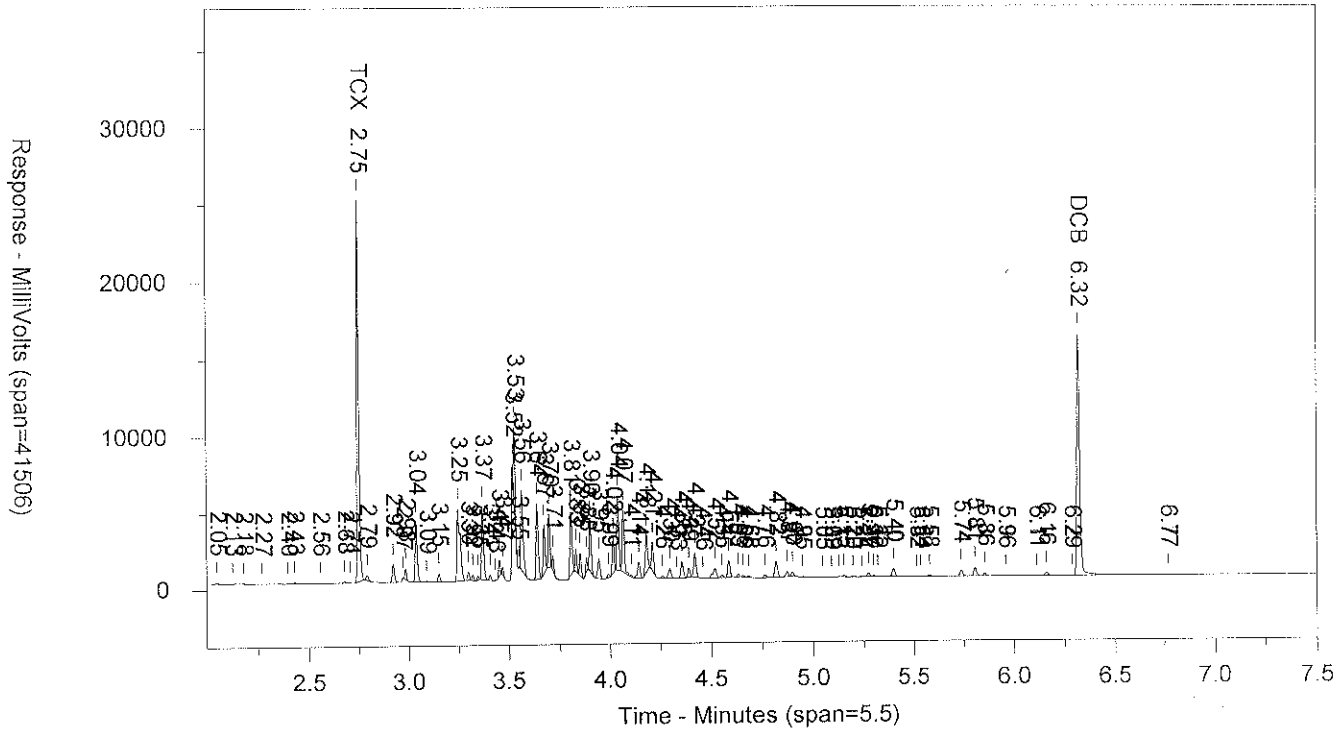

AR4261724A AAAR426AA ICAL 1729499999 06030 EPA 608

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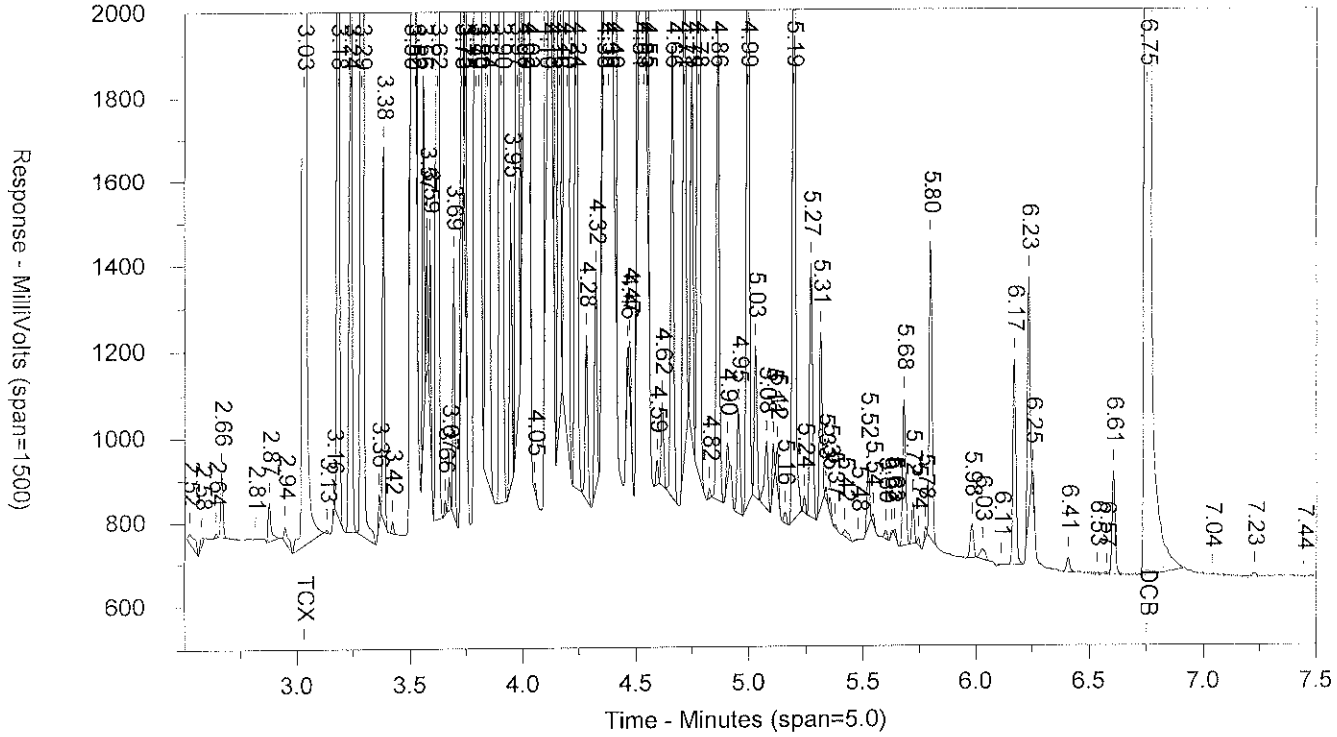

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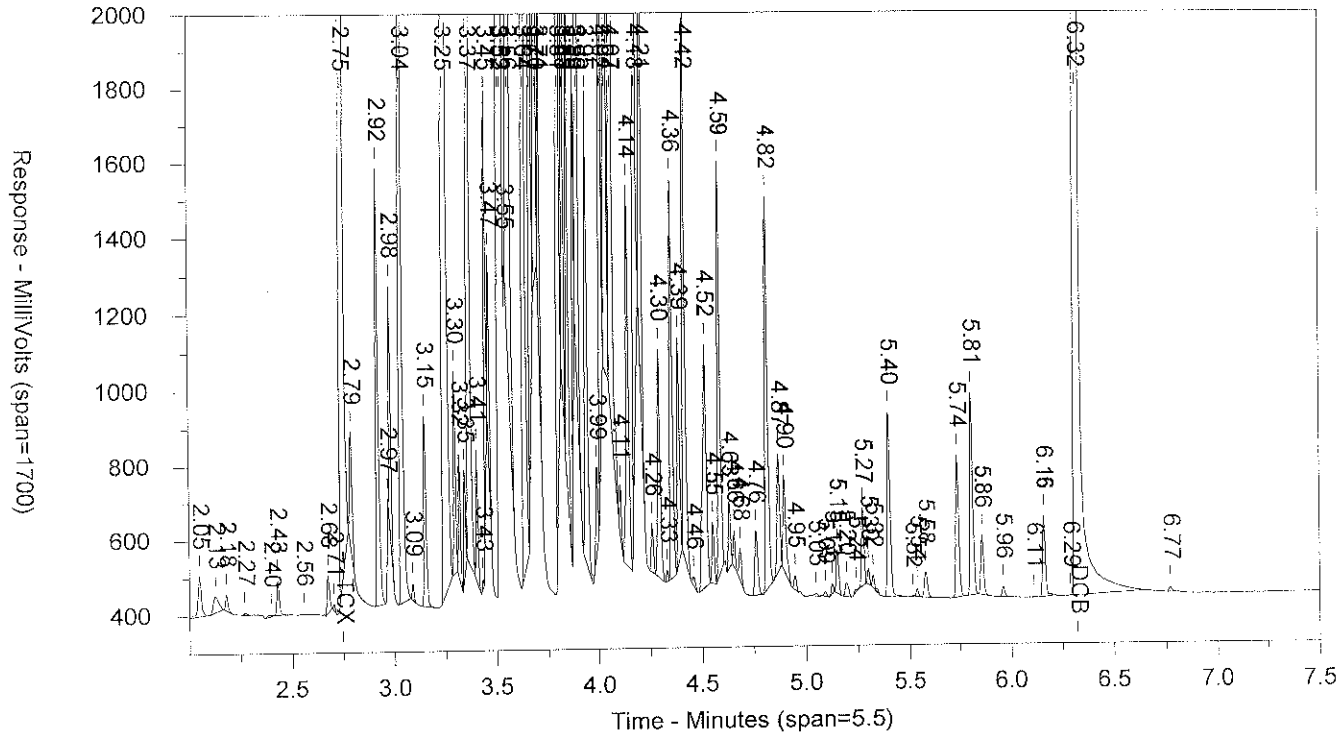

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002.0013.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.507		4024	3127
1.548		2175	1109
1.687		1691	87445
2.124		38855	74651
2.184		108230	301577
2.317		123888	147345
2.411		49707	43691
2.428		53515	46851
2.471		10368	15613
2.522		7280	6498
2.587		8089	18922
2.639		5692	3440
2.665		38219	25798
2.814		2822	1880
2.875		75274	60425
3.03	TCX	25470310	16406180
3.131		3937	1696
3.182		442878	368764
3.237		401248	406607
3.287		1765275	1174548
3.363		42814	24786
3.382		193676	121056
3.423		5644	3493
3.504		1736673	1038534
3.521		854528	460778
3.558		191670	105348
3.575		80709	35900
3.588		92537	43832
3.62		2054526	1448293
3.656		8671	4283
3.676		30690	18667
3.695		137551	85070
3.731		399254	233901
3.747		216086	109909
3.793		1084249	568002
3.806		2021368	996052
3.844		2482089	1857761
3.905		1851388	1369956
3.947		145387	102413
3.974		1195155	854319
4.002		930484	782784
4.025		238853	120484
4.052		8916	5900
4.103		1402251	986416
4.128		483651	309417
4.16		535349	389025
4.196		1458305	1443130
4.237		433886	348389
4.284		81834	62607
4.325		104505	82605
4.359		952722	649648
4.38		1156256	740513
4.404		1477268	1060792

RT A	Compound A	Height A	Area A
4.465		10241	10542
4.472		21049	13783
4.513		987338	804400
4.535		497305	284582
4.553		134802	75252
4.594		12295	8025
4.618		44224	34416
4.662		239268	216613
4.714		348292	306435
4.747		179550	134104
4.778		507440	429727
4.825		5635	3533
4.863		238812	217268
4.904		21507	14965
4.953		52313	49747
4.995		348235	316320
5.03		185306	163780
5.076		36497	43413
5.107		17901	11943
5.124		26298	18006
5.155		13266	11418
5.196		338319	339251
5.241		7361	4252
5.271		305330	289172
5.313		91017	77746
5.335		6564	2596
5.354		12146	6710
5.42		7568	15498
5.469		3963	2673
5.52		32304	26005
5.54		9132	5878
5.594		13119	12069
5.622		5712	3997
5.634		6684	4443
5.677		178348	176661
5.718		21542	18218
5.74		3892	3185
5.774		5266	3034
5.799		355700	340427
5.98		21244	19783
6.024		9238	13762
6.105		2457	1952
6.169		234616	236813
6.233		332672	441704
6.405		5687	6732
6.531		2409	2052
6.575		2113	1460
6.606		120161	121461
6.753	DCB	8919701	9203454
7		1314	389
7.043		1334	410
7.227		5841	5567
7.396		938	396
7.506		1296	441
7.598		1126	387
7.631		1215	529
7.816		1203	326
7.885		958	319
7.915		1325	525
8.027		1992	492
8.064		1039	573
8.136		1814	787
8.241		909	504
8.481		1375	608
8.544		1563	765

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17292002B.0013.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.63		1790	9990
2.005		5370	11532
2.05		61034	69793
2.128		39239	74053
2.179		21697	17457
2.273		2754	2938
2.398		3027	6058
2.429		23086	19274
2.654		2540	1879
2.677		93292	103090
2.75	TCX	12226540	8559879
2.792		71283	52969
2.922		282772	221559
2.971		69278	36197
2.983		125883	69467
3.037		954029	681446
3.088		23139	14541
3.149		126118	95866
3.246		1150074	1291990
3.298		125813	82466
3.32		87390	54834
3.346		59486	34848
3.37		1090786	829823
3.406		88988	58088
3.434		18066	8902
3.453		237582	133822
3.468		119022	61419
3.52		325676	218563
3.529		1032225	487863
3.564		1162018	966393
3.638		1089903	773669
3.673		704072	464659
3.697		779534	473674
3.715		211489	113398
3.806		907471	693004
3.831		316391	188340
3.853		323564	217242
3.884		211618	117458
3.902		723881	497858
3.946		293104	242996
3.995		51038	39335
4.017		491613	331588
4.041		1033619	714347
4.067		843878	642178
4.106		33777	19178
4.144		232107	207720
4.182		547917	455681
4.212		361888	245189
4.26		29697	23813
4.296		147207	133444
4.332		20201	12207
4.357		238203	197014
4.391		134102	102991
4.42		337269	281700

4.519		155211	189103
4.554		38701	30891
4.588		243123	213686
4.634		114929	88152
4.657		20195	11230
4.685		18786	14168
4.764		47844	50580
4.818		226516	215196
4.872		191091	164051
4.899		55628	48009
4.949		11337	9963
5.053		3211	4316
5.091		2824	2311
5.128		11540	8885
5.154		26018	21495
5.197		19263	20375
5.241		3142	2642
5.275		116192	100747
5.299		5820	3209
5.321		7855	6768
5.398		266227	252997
5.516		1681	1075
5.537		5742	5295
5.583		19903	23000
5.739		201921	193697
5.807		282179	268804
5.856		79906	74181
5.961		4439	4680
6.16		111479	101540
6.249		1383	942
6.321	DCB	8290780	8105205
6.77		5928	5396
6.802		2816	3318
8.632		2954	6377

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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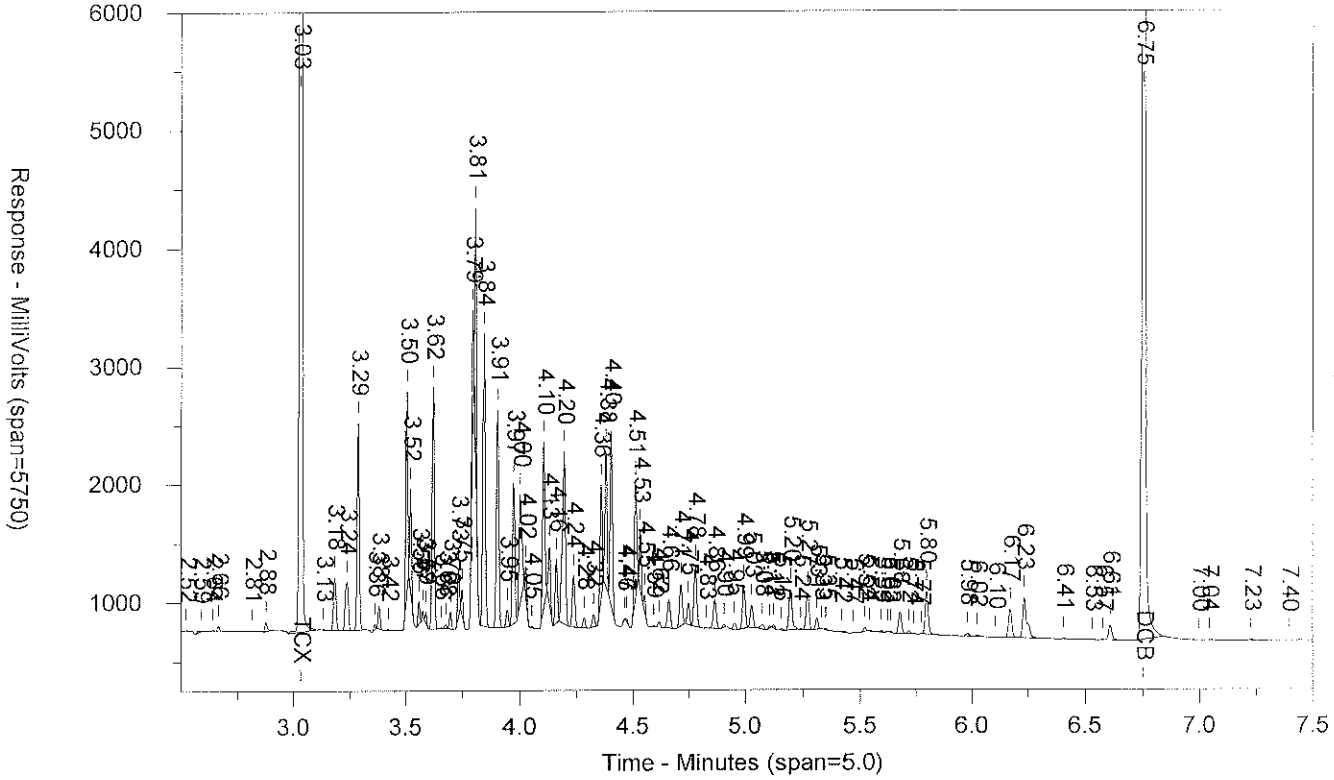

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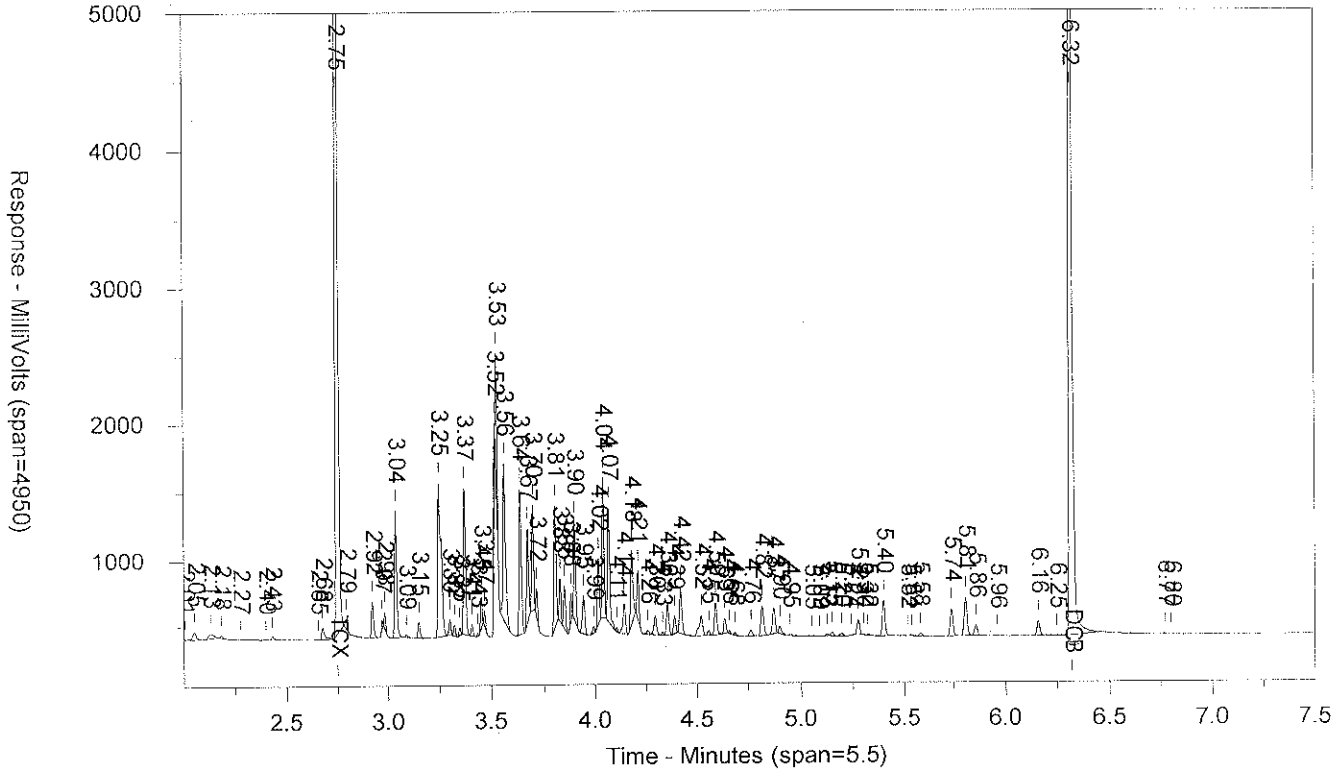

LANCASTER LABORATORIES

Sample Number: IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608
Injected On: 10/22/2017 7:32:23 PM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.03	25470310	40.114	TCX	2.75	12226540	40.279	TCX
6.753	8919701	34.948	DCB	6.321	8290780	35.932	DCB

Files:
Area File: 07pcbs17292002.0013.RAW
Area File: 07pcbs17292002B.0013.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/22/2017 7:41:03 PM
File Reported On: 10/22/2017 at 7:41:12 PM

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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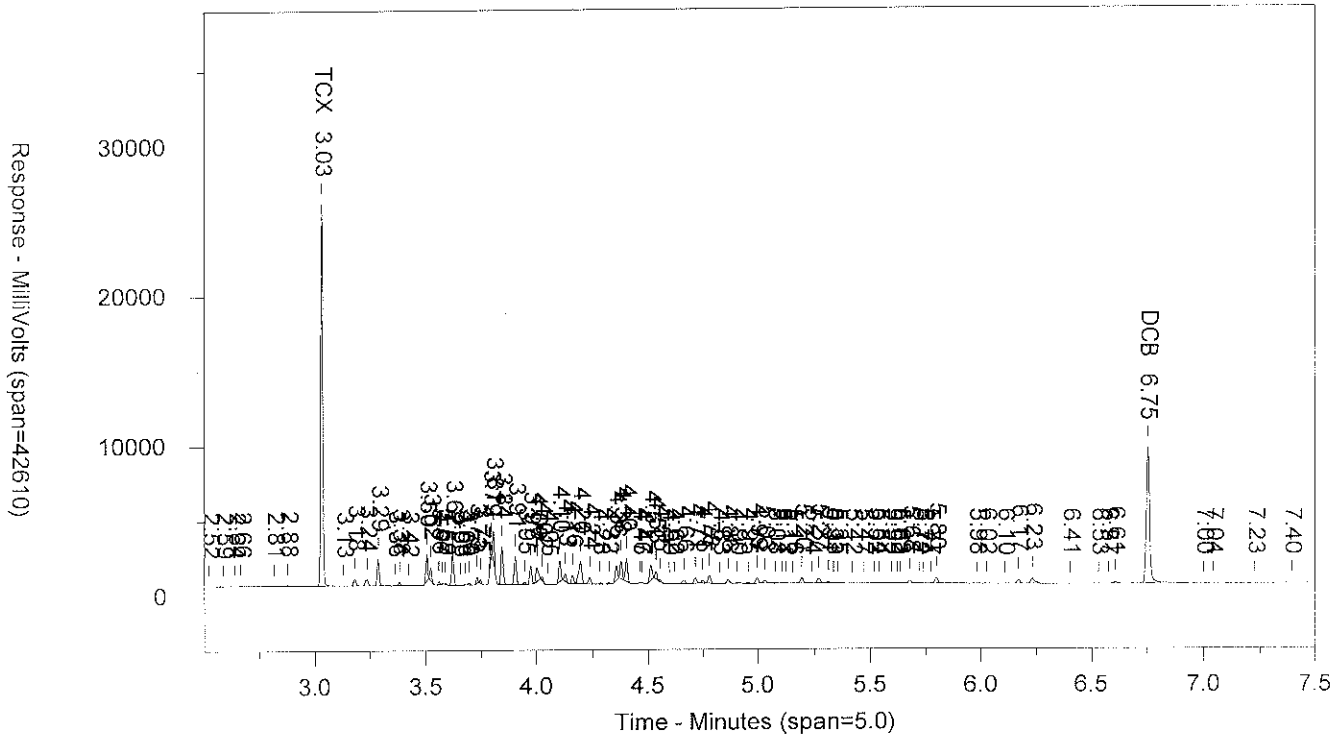

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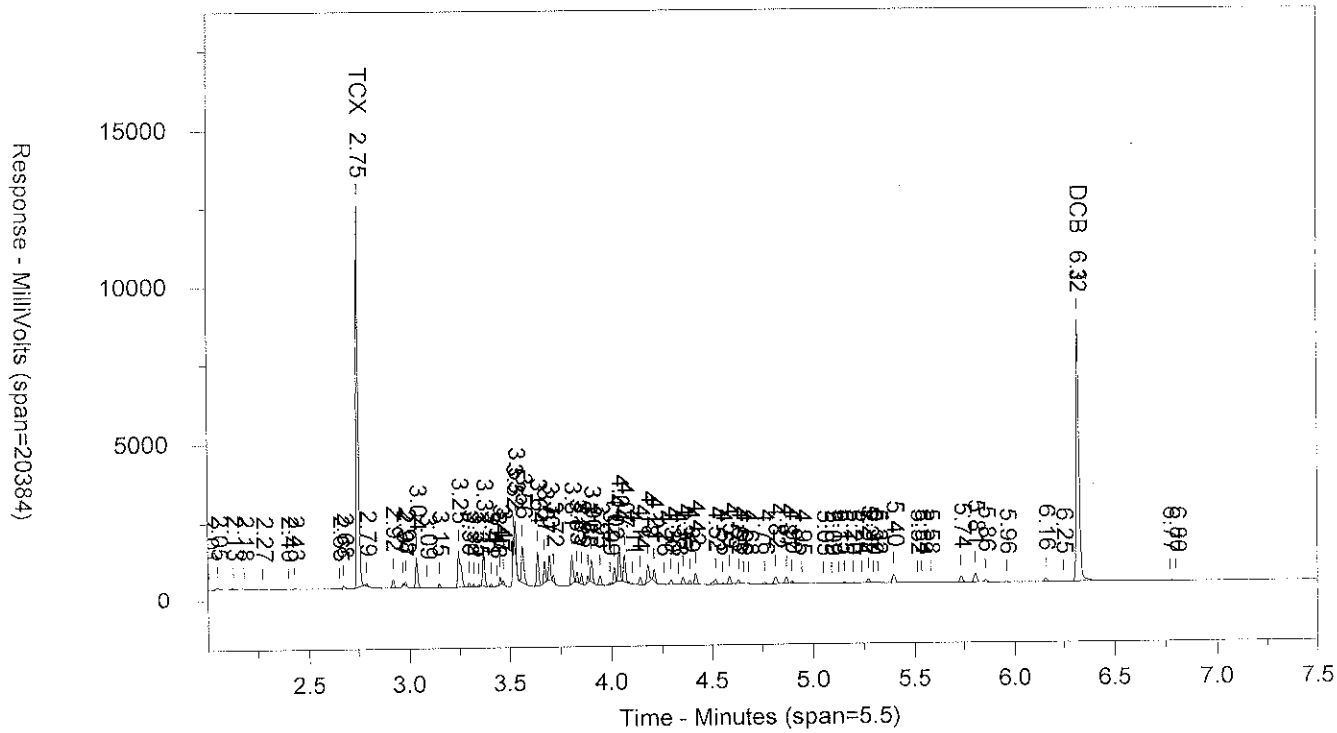

IC42X1724B AAIC42XAA CCAL 1729499999 06030 EPA 608

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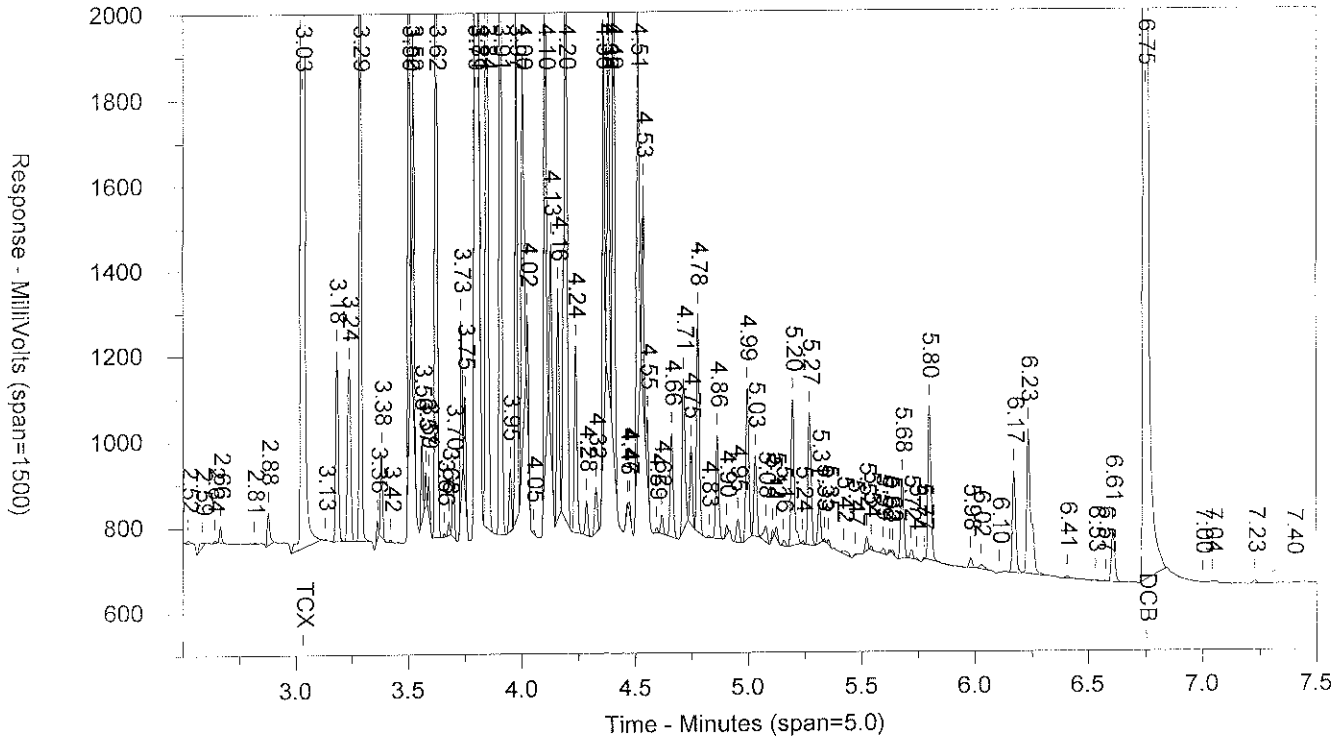

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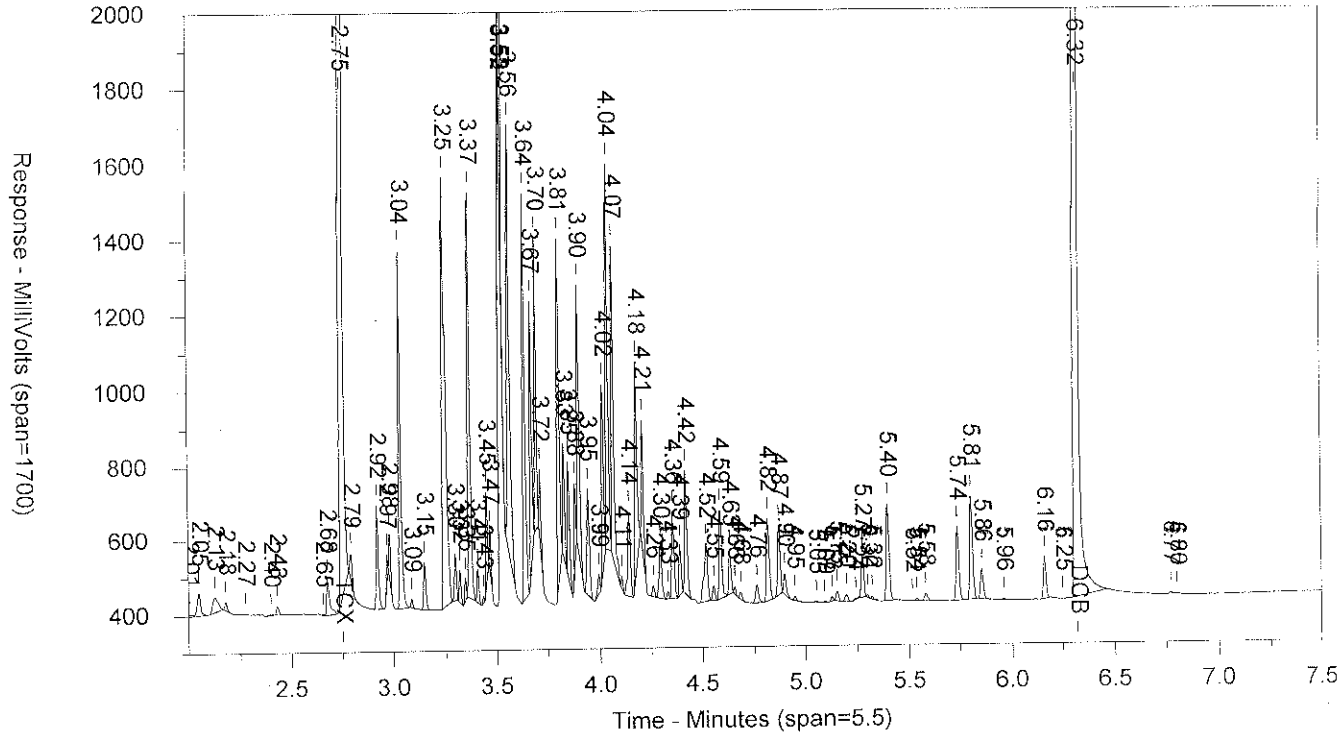

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0065.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.655		7645	38873
2.121		32836	62888
2.184		143517	449497
2.316		126023	95024
2.41		36540	23066
2.427		48725	33140
2.52		6254	5175
2.583		14035	26272
2.638		2363	1367
2.664		63520	45338
2.875		39753	35361
2.943		5969	3717
2.992		6192	6061
3.029	TCX	27826260	18179770
3.129		4742	2183
3.181		588887	498159
3.238		499096	489732
3.286		2306599	1535613
3.362		43925	24775
3.381		286157	180785
3.42		8508	4726
3.504		2355617	1366179
3.521		1133147	602253
3.558		224767	126133
3.574		153502	72992
3.588		97361	46281
3.62		2761117	1955315
3.656		10812	5253
3.675		41242	26096
3.695		225306	143928
3.731		496415	291132
3.747		258221	131375
3.793		1394452	709249
3.805		2481655	1293981
3.844		3074110	2290841
3.904		2479100	1856782
3.946		205476	143731
3.974		1622862	1152780
4.003		1106042	1172441
4.024		193496	85463
4.103		1776768	1245733
4.128		604163	390922
4.159		695262	493279
4.194		1834641	1948378
4.236		557993	444888
4.283		79928	70780
4.322		154869	106195
4.359		1680715	1279826
4.379		416756	241897
4.404		437316	330948
4.474		216568	189222
4.518		1662164	1628530
4.553		98629	71632

RT A	Compound A	Height A	Area A
4.593		1273	331
4.615		55867	47685
4.657		845542	823942
4.714		267069	182217
4.731		334754	214227
4.776		956995	844388
4.824		1476949	1596191
4.863		441826	321273
4.903		3386016	3163612
4.946		143418	119807
4.992		514681	531338
5.028		314205	245437
5.052		436151	361500
5.105		2862390	2210638
5.121		378337	181570
5.157		783899	696370
5.197		1867225	1965286
5.239		56112	33057
5.273		531360	641929
5.311		4430228	3931195
5.334		183407	84001
5.352		121592	56289
5.376		2221896	1917388
5.418		1357746	1295489
5.516		358361	295716
5.539		2356372	2015570
5.596		1212579	1033443
5.636		667375	615669
5.677		334721	312984
5.718		771529	745516
5.775		5425277	4749149
5.797		122932	76155
5.981		3396160	3122772
6.035		895101	1649829
6.169		234305	230199
6.233		161026	134230
6.252		463481	357271
6.406		1249083	1204609
6.451		61372	53501
6.535		2876	1519
6.607		384662	402755
6.754	DCB	9970528	10555550
7.138		1542	499
7.23		7339	7940
7.294		1922	740
7.405		790	348
7.523		1292	557
7.711		1594	1090
7.806		1518	430
7.938		1364	796
8.101		1473	1409
8.259		1782	727
8.271		1953	541
8.369		1522	410
8.611		1495	467

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0065.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.664		3820	26466
1.891		1695	1776
2.048		67478	86240
2.128		63020	125361
2.177		22460	17514
2.271		2984	2621
2.396		4353	7111
2.428		36474	30264
2.675		66760	55997
2.748	TCX	13788900	9631031
2.79		105234	81348
2.92		381798	303870
2.968		81603	39812
2.982		175025	98926
3.035		1209930	895151
3.086		25044	15050
3.147		181318	138295
3.244		1465117	1688611
3.296		161485	104461
3.318		144256	92044
3.345		75826	43109
3.368		1464592	1118245
3.405		141863	92261
3.432		19378	9263
3.451		291720	166967
3.466		158245	80962
3.518		514592	291844
3.527		1303687	621558
3.547		30320	8652
3.561		1357184	1086809
3.637		1468466	1058430
3.67		942289	630624
3.695		1219874	745021
3.713		219507	107811
3.804		1178803	885665
3.828		401724	238338
3.851		424804	283835
3.882		374671	219494
3.9		822484	537039
3.943		373147	313728
3.991		160990	167519
4.016		180314	122423
4.038		1293153	942863
4.064		213578	132882
4.085		47635	24019
4.104		128744	84077
4.141		1076824	837654
4.178		66735	44325
4.195		161144	106021
4.242		6049	3962
4.264		10092	9133
4.284		447159	484068
4.33		58615	36935
4.354		289749	228357

4.399		257245	160445
4.419		94170	58650
4.431		673803	435687
4.459		415684	436955
4.512		2435815	2192995
4.556		113362	93717
4.585		186396	137348
4.61		460543	339393
4.632		70984	34358
4.654		2598862	2229847
4.763		2411494	2469517
4.819		339692	318116
4.859		592601	618731
4.895		2736864	2461588
4.929		1304578	1090104
4.969		907485	784980
5.031		6584	6406
5.074		334530	371040
5.125		1757493	1557673
5.15		209612	133703
5.2		961696	936676
5.236		450802	366093
5.265		338657	342302
5.297		56210	38083
5.319		4192668	3832250
5.36		75084	55306
5.394		374250	341140
5.512		35034	22527
5.534		866007	773591
5.58		2858623	3355758
5.735		208944	194972
5.778		57547	42010
5.804		299070	261996
5.852		567973	538040
5.956		1088547	1000825
5.988		53210	37265
6.157		388086	379670
6.317	DCB	9457038	9402702
6.765		6825	6259
6.799		2807	2719
7.734		1613	6261
8.198		1362	1454
8.268		1190	2453
8.401		1673	2417
8.625		3586	6330

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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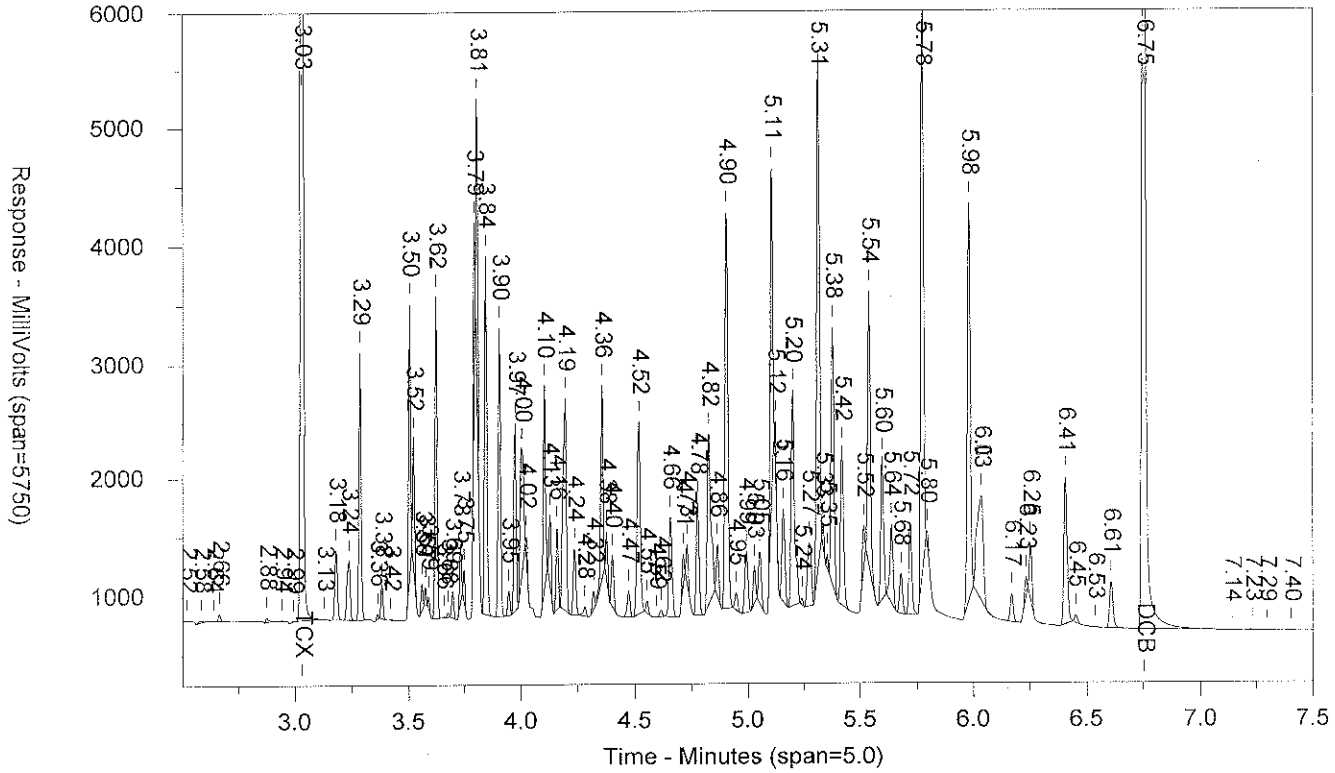

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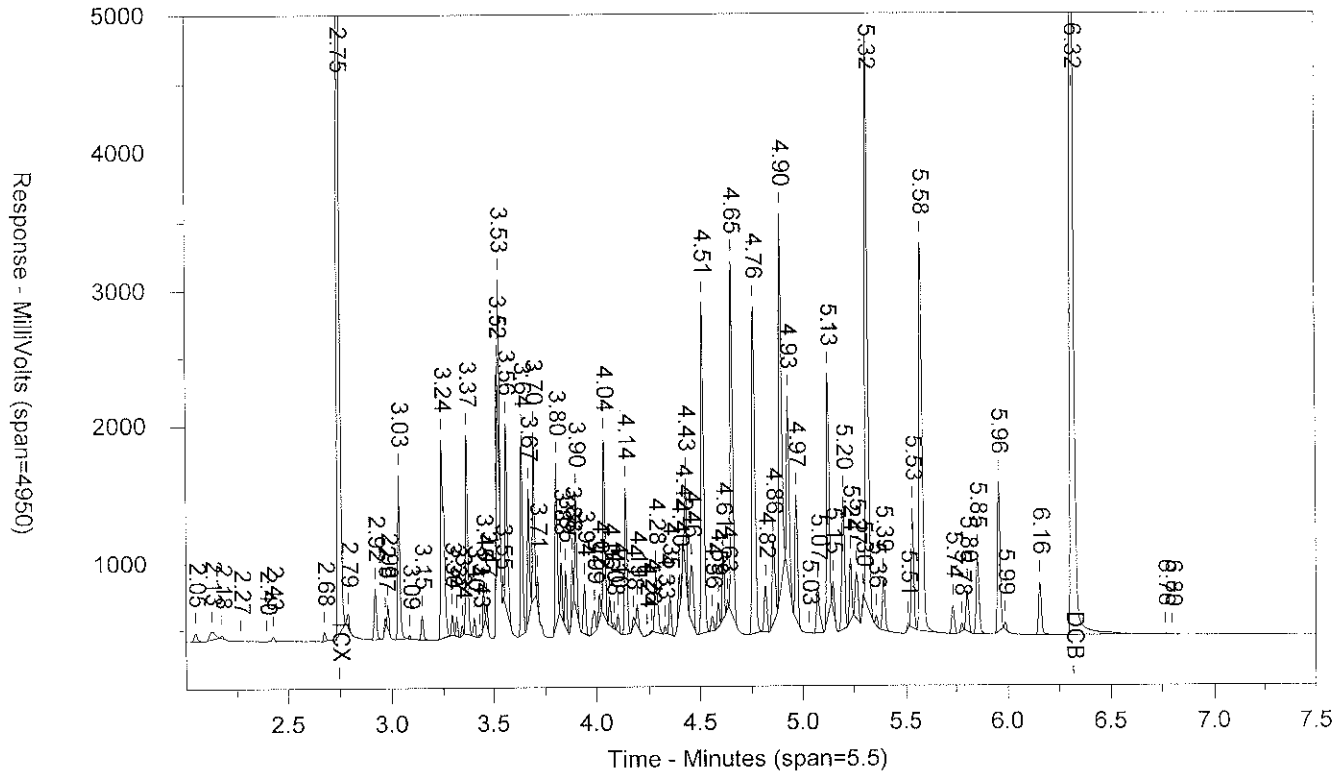

LANCASTER LABORATORIES

Sample Number: AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:42:24 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 1
Dilution Factor: 1

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	27826260	43.824	TCX	2.748	13788900	45.426	TCX
6.754	9970528	39.066	DCB	6.317	9457038	40.986	DCB

Files:
Area File: 07PCBS17292003.0065.RAW
Area File: 07PCBS17292003B.0065.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 7:51:07 AM
File Reported On: 10/24/2017 at 7:51:26 AM

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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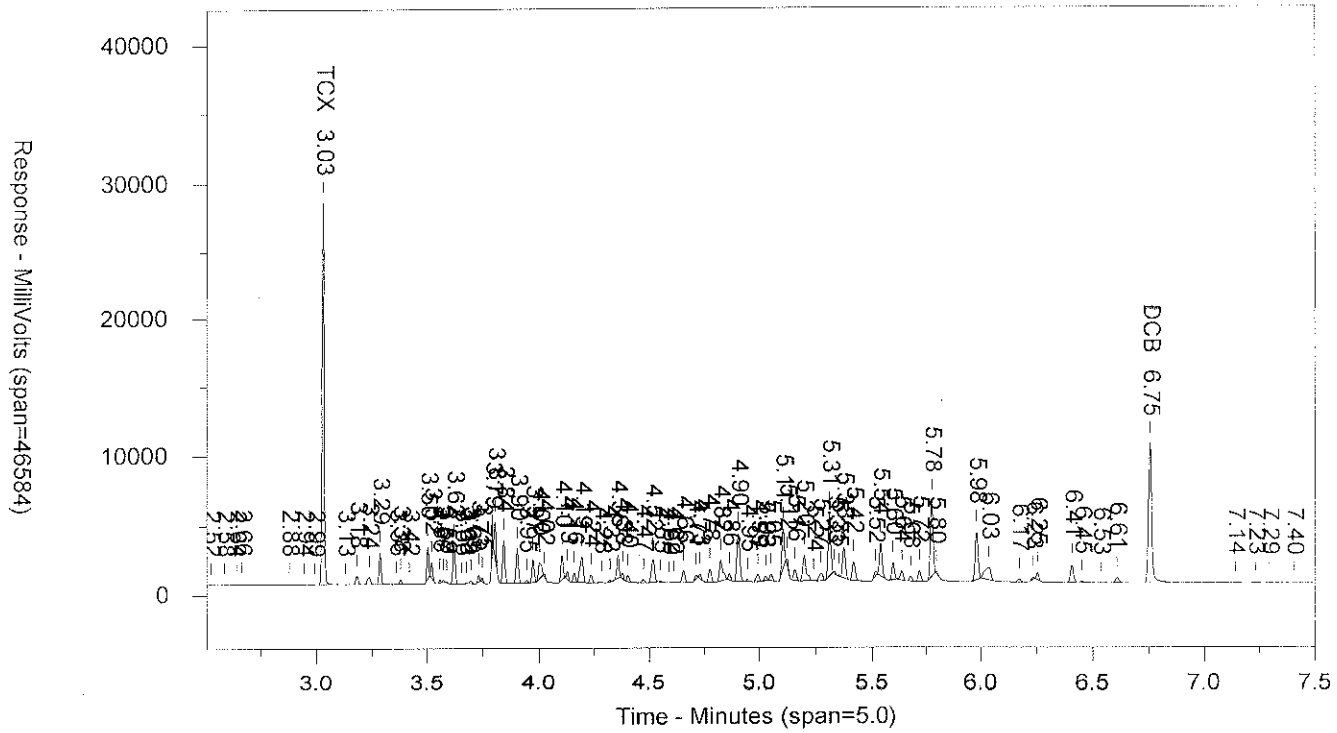

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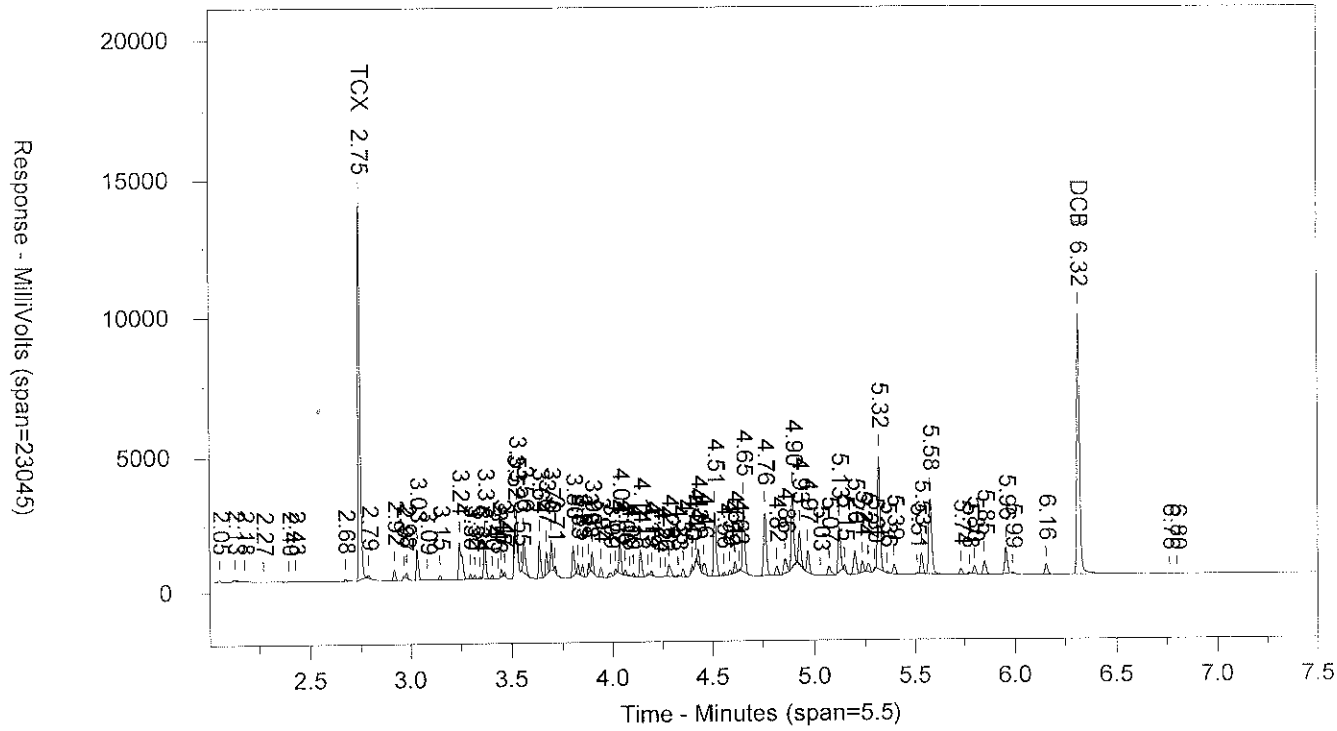

AR1641724B PDAR164PD CCAL 1729599999 10225 SW-846 8082

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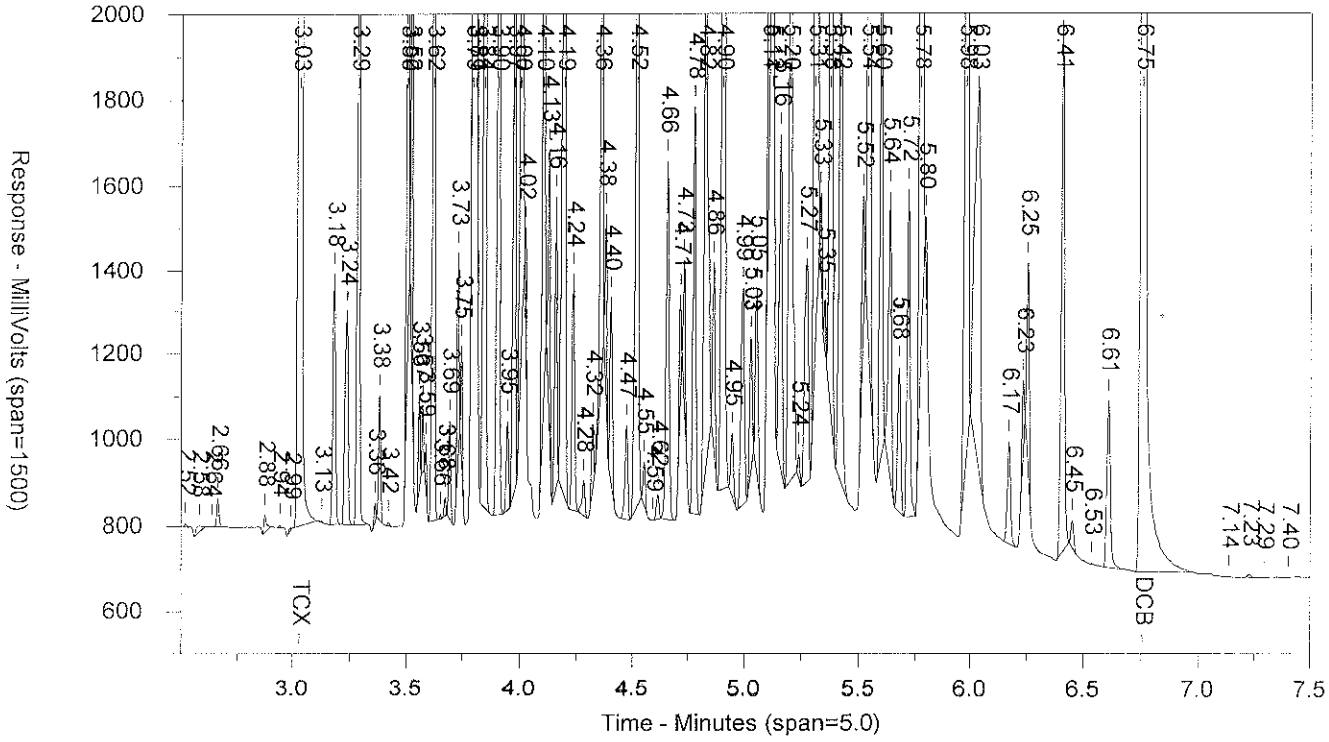

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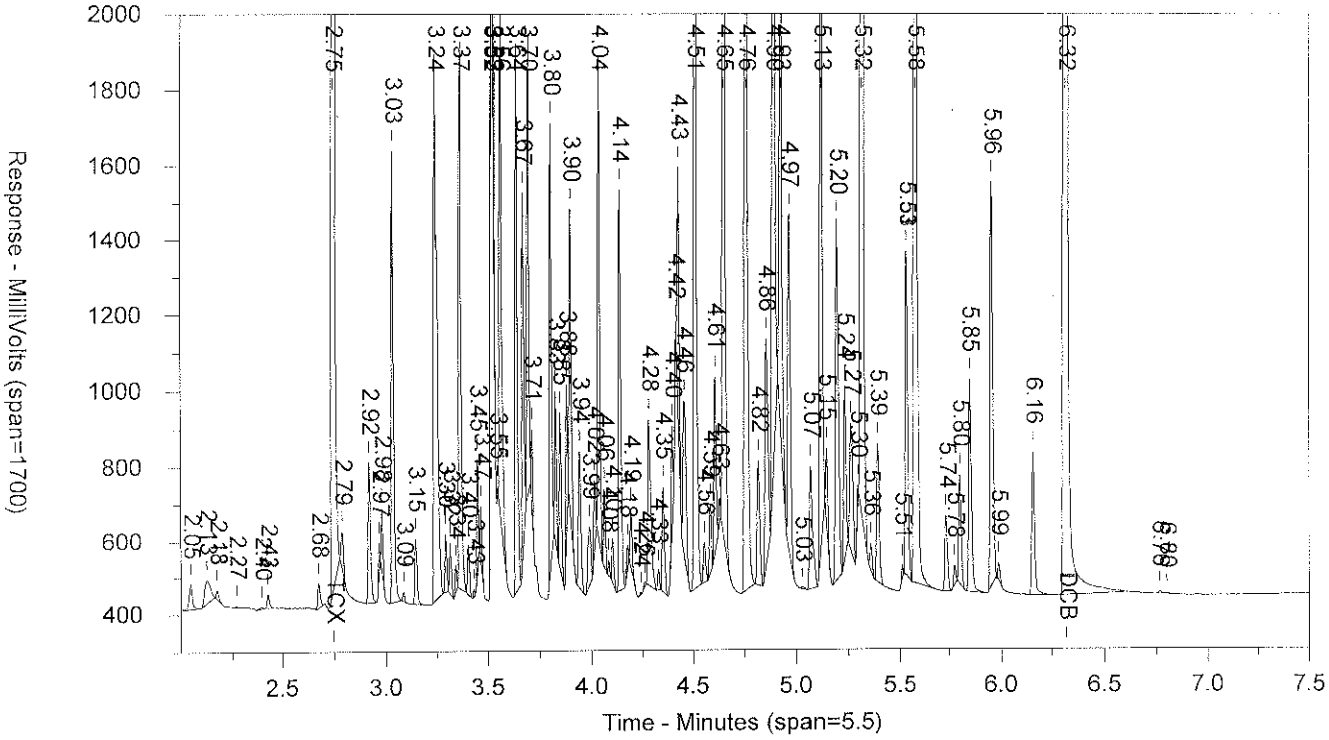


LANCASTER LABORATORIES

Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0066.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.528		2116	847
1.654		9757	38814
1.735		1939	2177
1.81		2256	1466
2.131		37679	124138
2.187		144784	363240
2.242		50899	88140
2.316		70015	61238
2.41		33807	22373
2.427		25498	16960
2.467		2440	2200
2.521		4004	2989
2.583		5793	10707
2.64		3431	2159
2.666		3444	2800
2.876		35008	31571
2.924		6242	10081
2.96		8380	8536
2.995		4888	7050
3.029	TCX	13969330	9014202
3.114		3077	2833
3.231		164490	105731
3.287		5141	3769
3.363		32549	22215
3.62		7161	4740
3.677		27270	19805
3.711		3741	3992
3.779		2019	1498
3.815		7871	5623
3.847		8355	6058
3.882		1414	784
3.904		7301	5643
3.943		1656	505
3.948		2366	944
3.972		1668	775
4.01		4266	5968
4.052		10819	13405
4.1		1915	915
4.187		10150	14473
4.218		1520	386
4.235		5102	3693
4.343		2117	1479
4.383		8689	6976
4.421		5458	4272
4.439		1685	579
4.515		12671	12129
4.547		1452	716
4.612		5004	4113
4.661		18506	20067
4.715		35618	31689
4.766		2317	4796
4.863		8055	7523
4.945		2648	2041

RT A	Compound A	Height A	Area A
4.989		5288	4824
5.029		130659	121936
5.062		5021	9186
5.124		9976	11106
5.159		7195	5858
5.19		5267	4932
5.217		15645	13758
5.27		148238	152263
5.374		2113	1221
5.472		28587	35520
5.525		41464	74271
5.591		22308	72671
5.634		9468	11622
5.678		100671	101416
5.799		150084	147058
5.981		4512	3277
6.024		2364	1300
6.109		3800	3209
6.17		90321	94290
6.234		132731	112078
6.406		36037	62147
6.453		3947	12729
6.479		39819	42054
6.607		58130	61495
6.696		1665	810
6.754	DCB	4978181	5354253
7.034		1214	411
7.23		4421	5769
7.254		1754	1132
7.283		1043	529
7.343		1130	879
7.392		1204	430
7.638		1316	823
7.663		1266	424
7.753		1379	741
7.82		1245	393
7.916		1224	576
8.013		1275	413
8.123		1390	1213
8.158		1658	729
8.289		1381	346
8.523		1435	417
8.637		1574	334
8.657		1625	1017

LANCASTER LABORATORIES

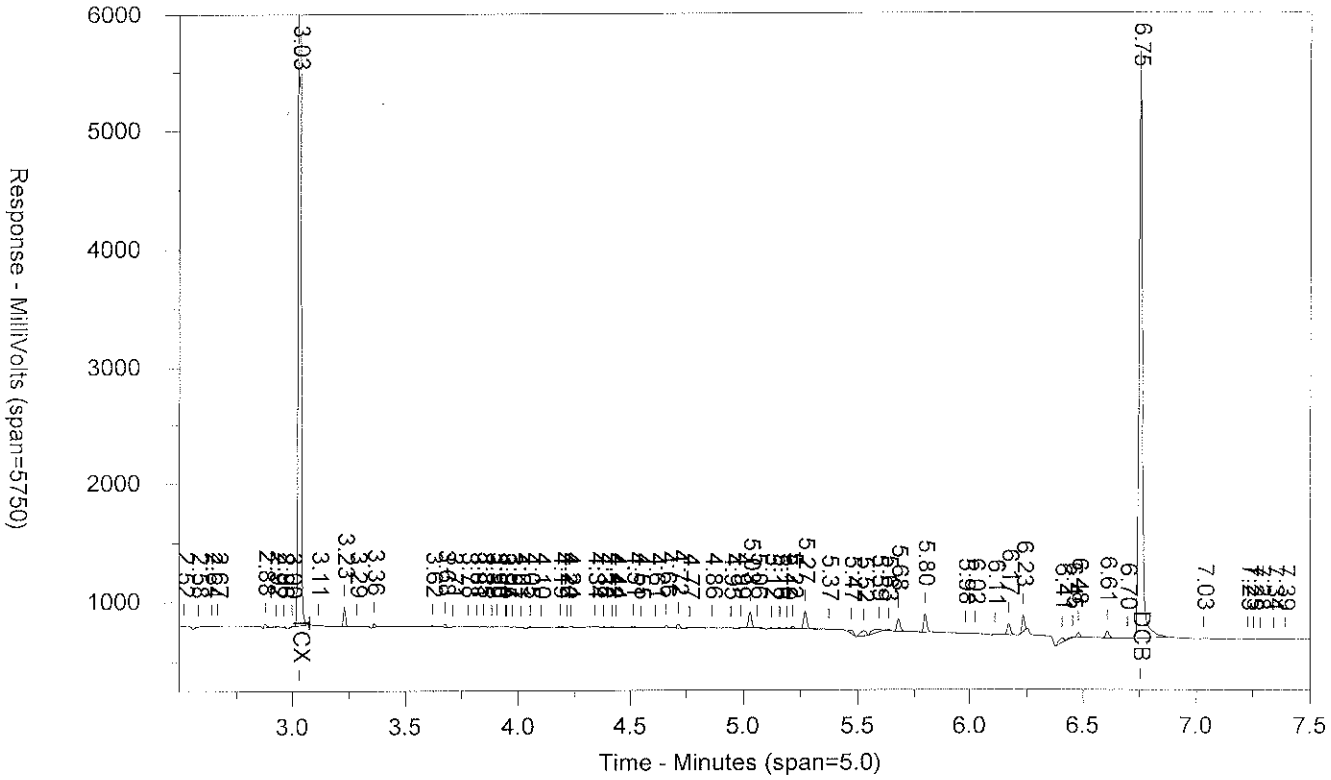
Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0066.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.622		5075	17078
1.665		4298	10247
1.909		26729	77539
2.048		42744	97138
2.129		57985	112841
2.176		11091	8936
2.397		4978	9815
2.562		3158	11991
2.675		57679	63004
2.747	TCX	6881297	4983562
2.968		87187	62063
3.034		4181	2801
3.086		14808	15351
3.148		2177	1717
3.318		5334	5812
3.371		7195	11018
3.432		15760	10283
3.465		5029	2979
3.527		2928	3080
3.572		3064	2065
3.592		4643	5721
3.638		7701	8076
3.682		4340	6947
3.883		9115	10398
3.915		6471	6238
3.945		3781	3032
3.992		3127	2188
4.042		8783	6833
4.196		9955	9141
4.248		3721	3320
4.285		3453	2144
4.308		8577	5339
4.33		19177	14992
4.4		3881	3104
4.435		4859	8072
4.515		8856	12699
4.557		2519	2376
4.631		90442	94506
4.761		7903	6678
4.821		12561	9801
4.842		7115	5719
4.87		72929	57205
4.943		20600	88277
5.05		2537	4689
5.125		4962	4119
5.152		3075	2330
5.192		11217	11952
5.235		2908	1464
5.272		70621	64598
5.395		120578	116604
5.583		6176	8407
5.737		88612	81979
5.804		180697	191091
5.856		30335	26501

5.961		4082	29096
6.158		56935	51584
6.319	DCB	4809578	4767373
6.769		3756	3623
7.36		1199	1006
8.412		1875	2203
8.632		4114	8413

IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292003.0066.RAW



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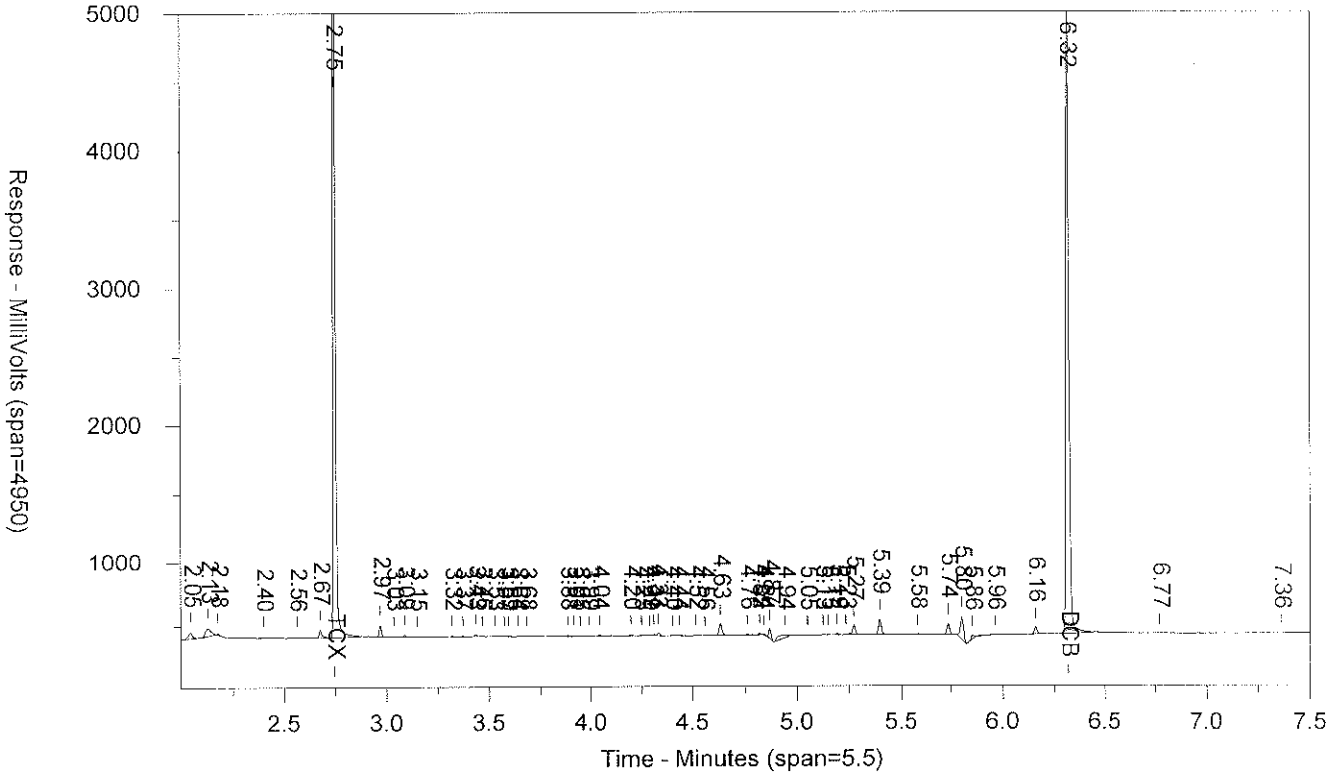

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 7:53:54 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
3.029	13969330	.22	TCX	2.747	6881297	.227	TCX
6.754	4978181	.195	DCB	6.319	4809578	.208	DCB

Files:
Area File: 07PCBS17292003.0066.RAW
Area File: 07PCBS17292003B.0066.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:02:38 AM
File Reported On: 10/24/2017 at 8:02:58 AM

IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082

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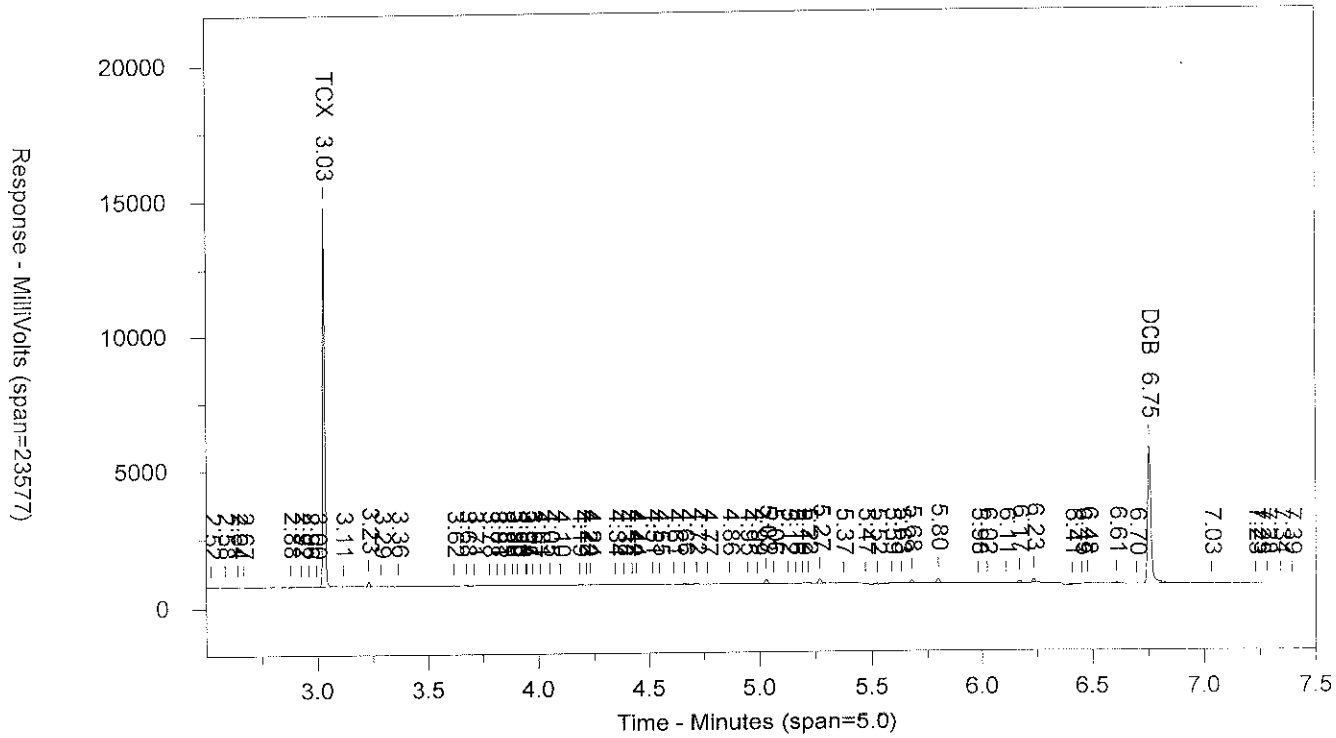

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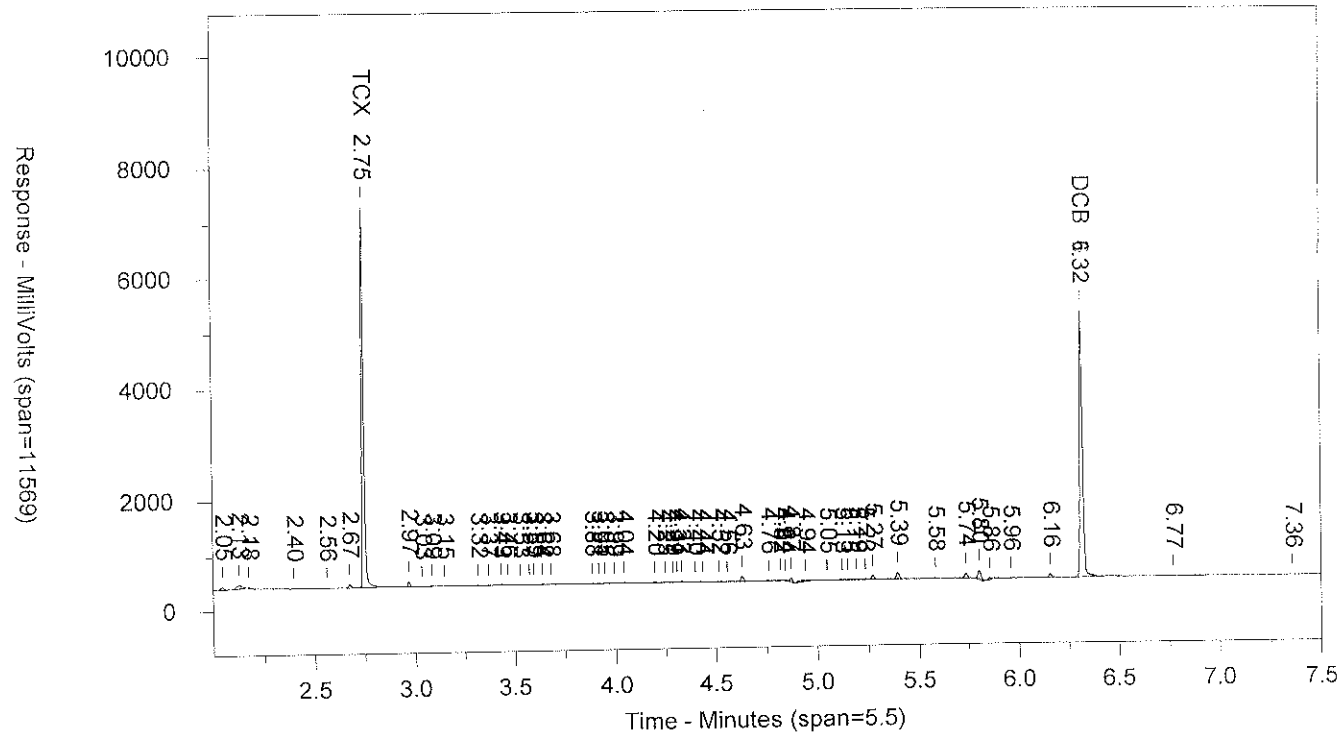

IBLKX1724B YMPIBLKYM PIBLK1729599999 10225 SW-846 8082

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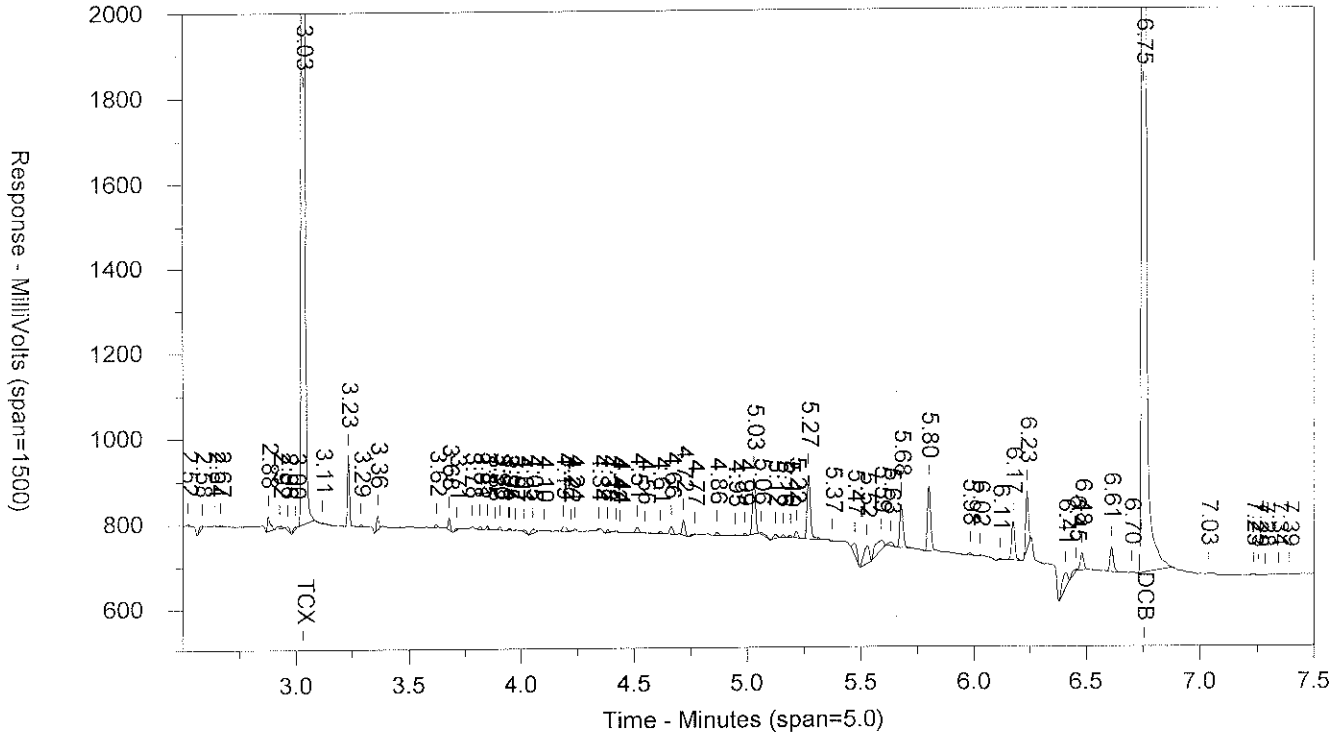

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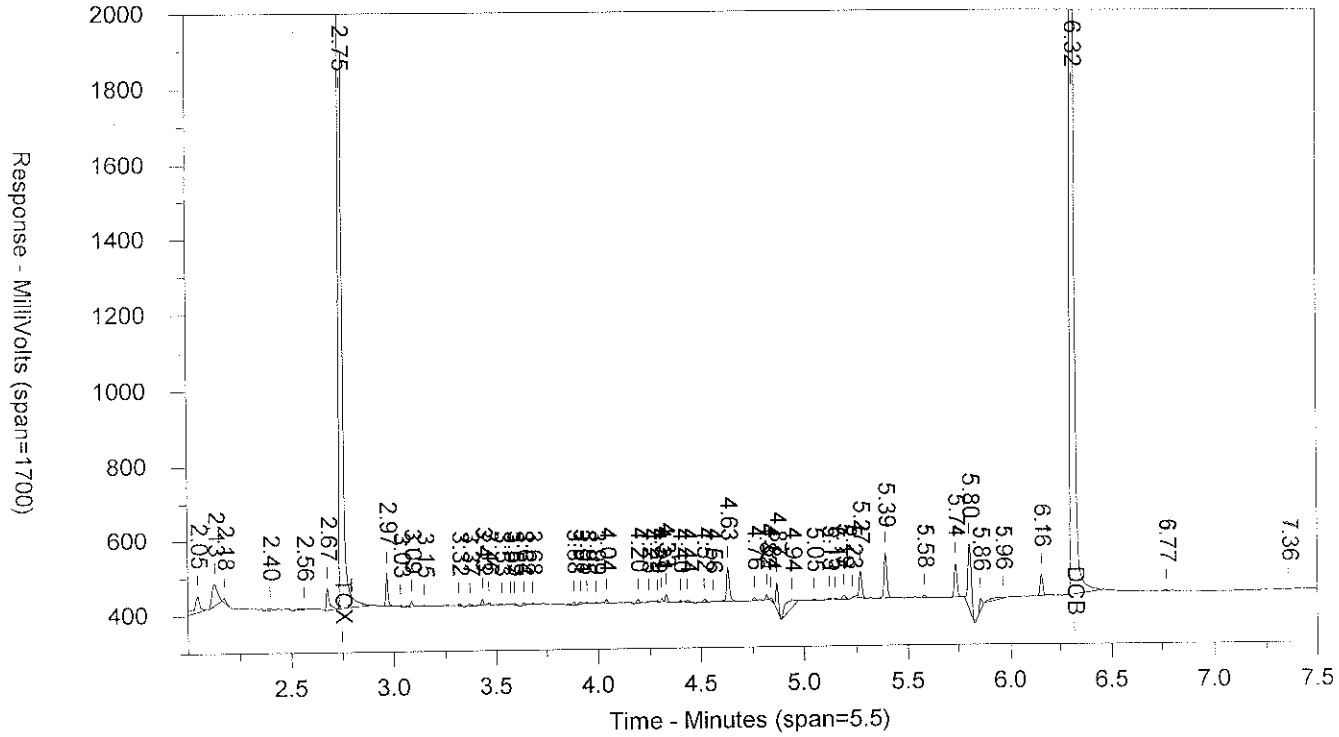

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0071.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.664		9000	68621
1.807		2710	1383
1.941		2405	654
2.131		39373	94087
2.183		140157	360384
2.314		121029	88065
2.409		28182	18181
2.426		47768	32525
2.519		5374	4562
2.585		12360	26931
2.662		65934	46105
2.874		33104	23116
3.028	TCX	27158730	17931370
3.129		4524	2135
3.18		582859	499045
3.236		492795	482306
3.285		2285355	1510264
3.361		41980	23186
3.38		290915	181690
3.421		8812	5694
3.452		1960	828
3.502		2301196	1334980
3.518		1106740	598597
3.556		229038	125633
3.572		162501	75572
3.585		100049	42489
3.618		2747637	1932804
3.653		10008	5241
3.673		37456	23757
3.693		215997	139746
3.729		490117	282868
3.745		261936	131423
3.791		1316832	724287
3.803		2287123	1213435
3.841		2990536	2257482
3.902		2449342	1830235
3.944		206264	144311
3.972		1565701	1132721
4.001		1147200	1184535
4.022		213409	96527
4.048		19618	9845
4.1		1778277	1224926
4.125		623361	397957
4.157		692221	486101
4.192		1800987	1927539
4.235		559448	440011
4.281		81573	71536
4.319		158152	107903
4.357		1658372	1284980
4.378		437653	250360
4.402		448553	331106
4.472		211894	187425
4.516		1714231	1611736

RT A	Compound A	Height A	Area A
4.551		98770	69438
4.613		54913	47323
4.655		824365	801053
4.712		246492	166923
4.728		337909	212096
4.775		933910	836228
4.823		1481525	1582081
4.861		438685	316623
4.901		3439061	3129799
4.944		136718	121657
4.991		509983	528005
5.027		332002	260059
5.051		438785	361760
5.104		2777596	2238424
5.12		305445	177959
5.154		802112	698670
5.196		1831014	1957358
5.238		51459	31437
5.272		542573	651791
5.31		4427485	3906307
5.333		185821	86162
5.35		104390	49836
5.375		2206800	1909763
5.417		1375240	1285977
5.514		383080	318891
5.538		2305182	2012741
5.595		1185185	1025243
5.635		656923	611812
5.675		344839	316224
5.717		763986	739525
5.774		5260014	4689624
5.796		164271	86352
5.98		3352229	3100620
6.034		919097	1637230
6.167		234034	222641
6.231		180462	140574
6.25		468999	361039
6.404		1212426	1175198
6.45		58816	51607
6.605		388172	388673
6.751	DCB	9590227	10082080
7.048		3384	3084
7.228		5927	5676
7.331		1869	952
7.588		789	744
7.635		1525	470
7.65		1772	459
7.755		1187	564
7.948		1335	352
7.979		1575	636
8.165		981	351
8.306		1281	618
8.366		1352	495
8.497		1167	619
8.558		1310	343
8.584		1823	383

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0071.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.632		1900	12255
1.916		2724	7129
2.006		3605	7855
2.048		63187	64385
2.129		54840	113337
2.177		23596	19346
2.268		3295	3083
2.395		4113	6790
2.428		38564	34059
2.656		3745	1988
2.675		60630	51056
2.747	TCX	13750800	9422433
2.79		112719	85572
2.92		377551	301375
2.968		81154	38725
2.981		165527	91685
3.034		1191358	876521
3.085		23308	14534
3.147		182709	138448
3.243		1466051	1653453
3.295		161872	101949
3.317		142099	91250
3.344		73921	42488
3.367		1463312	1102305
3.404		138093	91580
3.431		18881	8540
3.45		287874	161531
3.466		150623	77986
3.516		405727	258525
3.526		1191681	612779
3.561		1407946	1169684
3.636		1453012	1040470
3.669		923690	618450
3.694		1182061	733597
3.712		214523	108051
3.803		1136391	864197
3.827		400729	234667
3.849		422935	274638
3.881		372228	218393
3.898		797294	534028
3.942		377972	310251
3.989		165472	168822
4.015		182618	123154
4.037		1279823	927441
4.063		212398	132298
4.084		47007	23284
4.103		126031	83555
4.14		1023018	823049
4.176		57969	40636
4.194		153631	106183
4.24		5264	2904
4.263		11638	9327
4.283		436485	468766
4.328		62129	39541

4.353		281469	222540
4.399		245174	153954
4.417		123467	66897
4.43		692690	429449
4.458		417508	430849
4.512		2477255	2150822
4.555		101769	88027
4.584		191802	138177
4.609		460075	330223
4.63		78646	39230
4.653		2592368	2215849
4.761		2383676	2430550
4.818		339095	313150
4.857		586861	618814
4.894		2648037	2403178
4.928		1327175	1069711
4.968		914623	781421
5.03		6205	5900
5.072		337826	367009
5.125		1764037	1533588
5.149		190208	123658
5.199		946720	927372
5.235		440904	365085
5.264		336134	341452
5.296		61615	37566
5.317		4121401	3783080
5.359		69744	53107
5.393		375423	343312
5.51		35896	22900
5.533		857972	762719
5.578		2923377	3314331
5.735		204912	193272
5.777		57804	42844
5.803		297853	264971
5.852		544507	529466
5.956		1055587	976124
5.988		52973	37143
6.157		373510	362017
6.317	DCB	8945930	8942047
6.766		6108	5896
6.796		2377	1956
7.427		1346	3317
7.752		979	7145
8.628		4677	18945

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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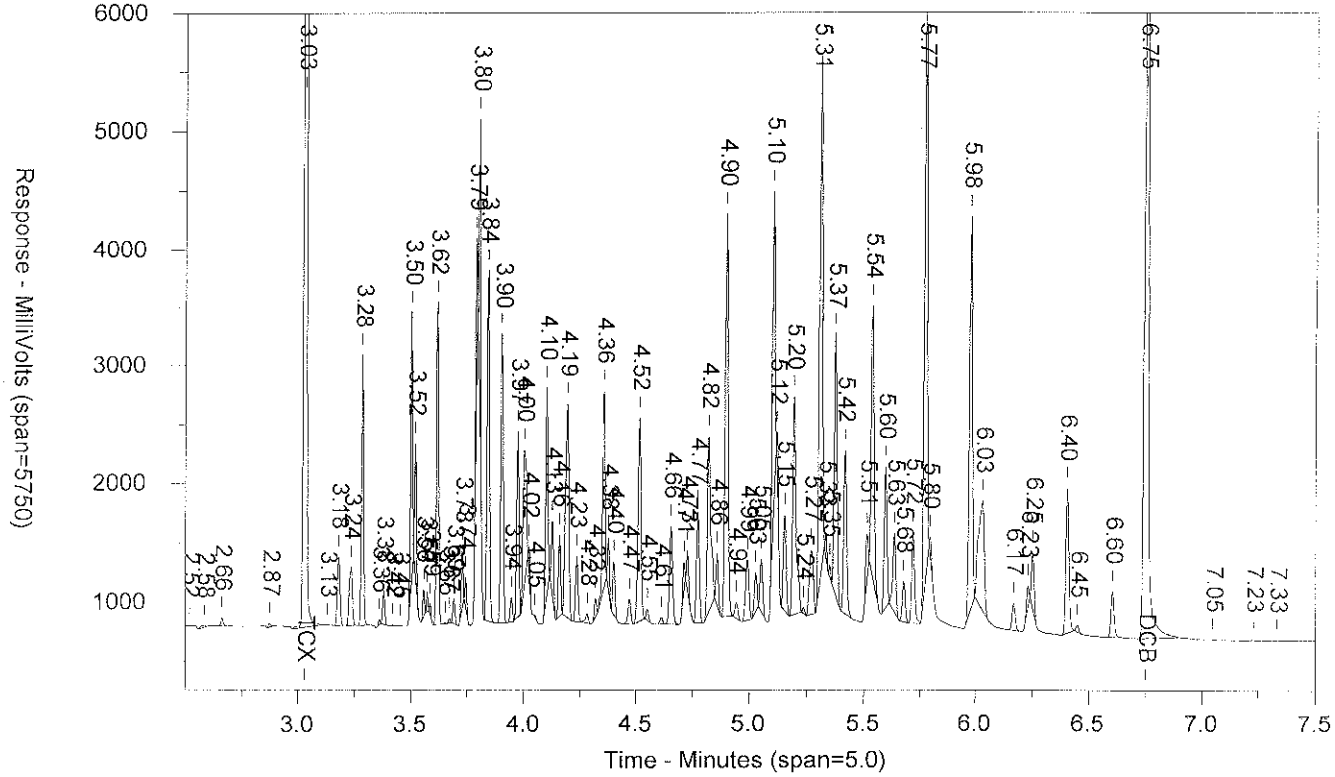

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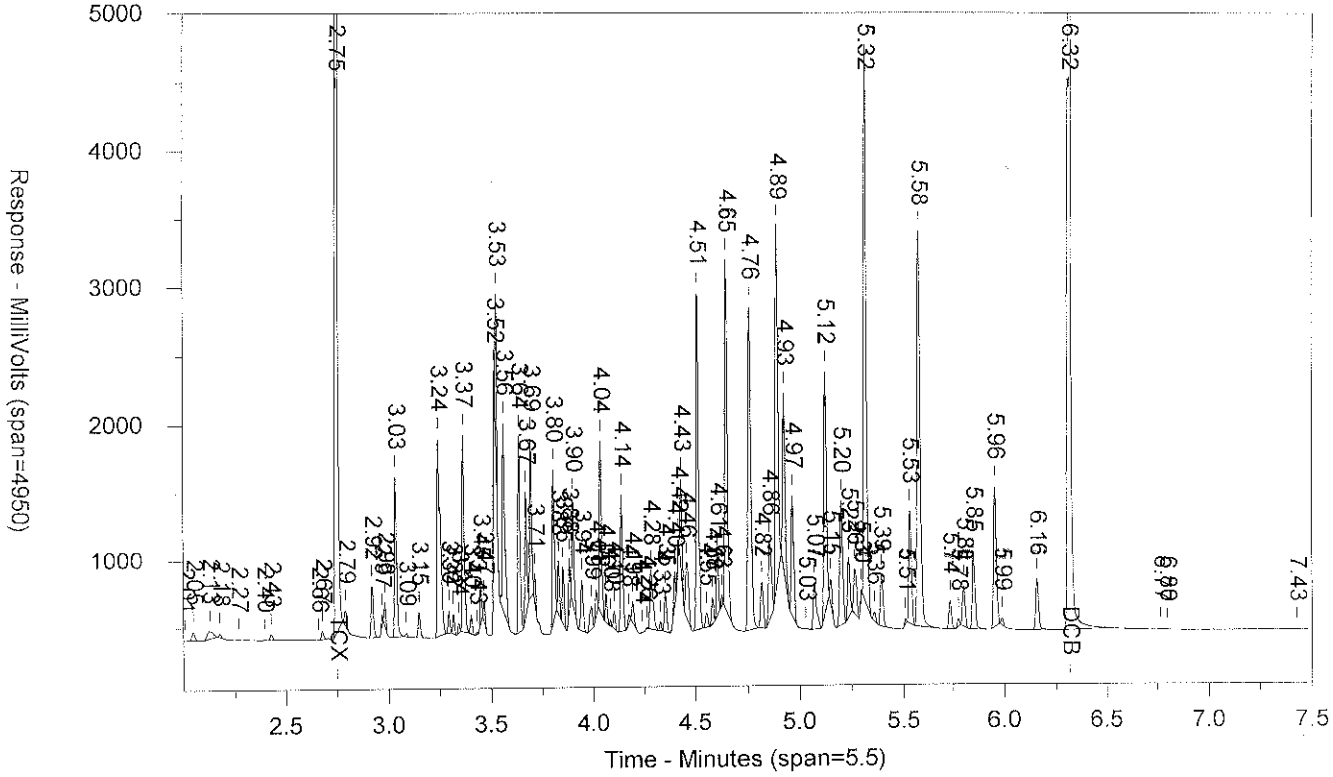

LANCASTER LABORATORIES

Sample Number: AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 8:51:13 AM
Sample Weight: 1
Instrument ID: CP7-19843A
Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	27158730	42.773	TCX	2.747	13750800	45.3	TCX
6.751	9590227	37.575	DCB	6.317	8945930	38.771	DCB

Files:
Area File: 07PCBS17292003.0071.RAW
Area File: 07PCBS17292003B.0071.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:59:57 AM
File Reported On: 10/24/2017 at 9:00:10 AM

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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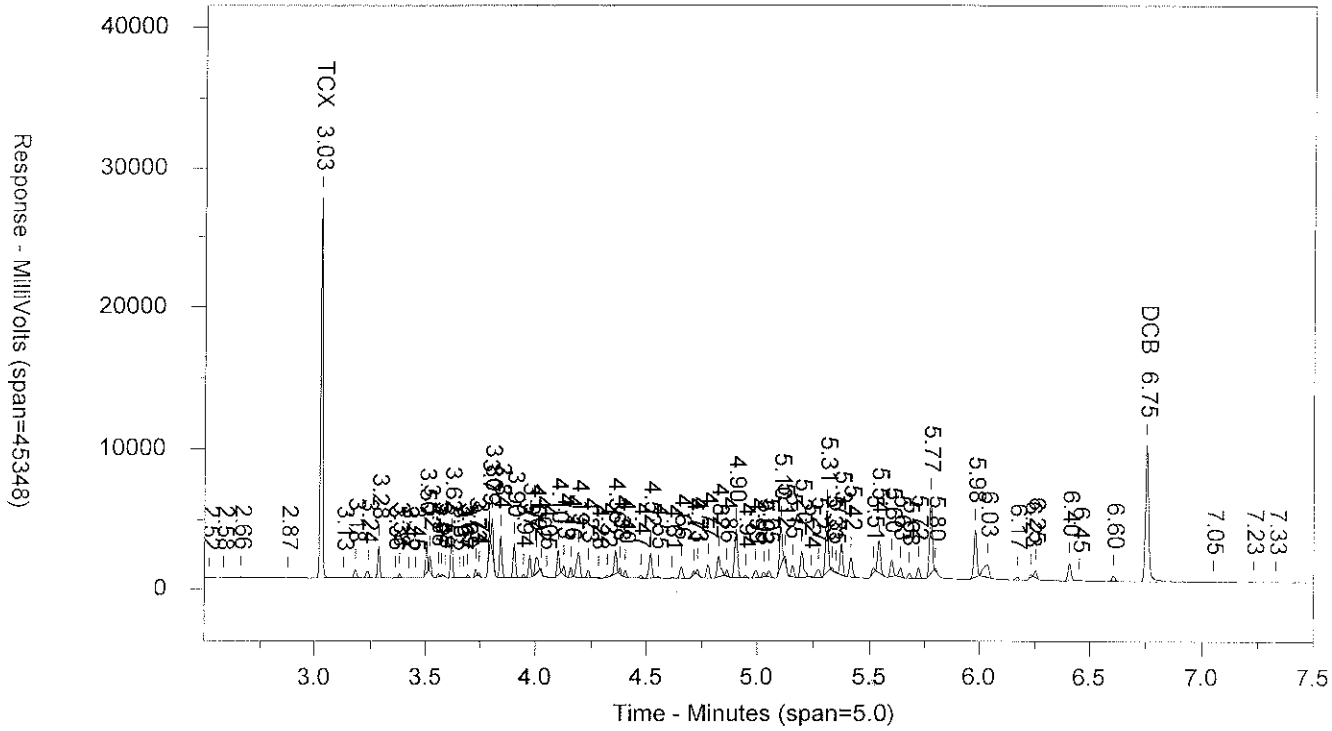

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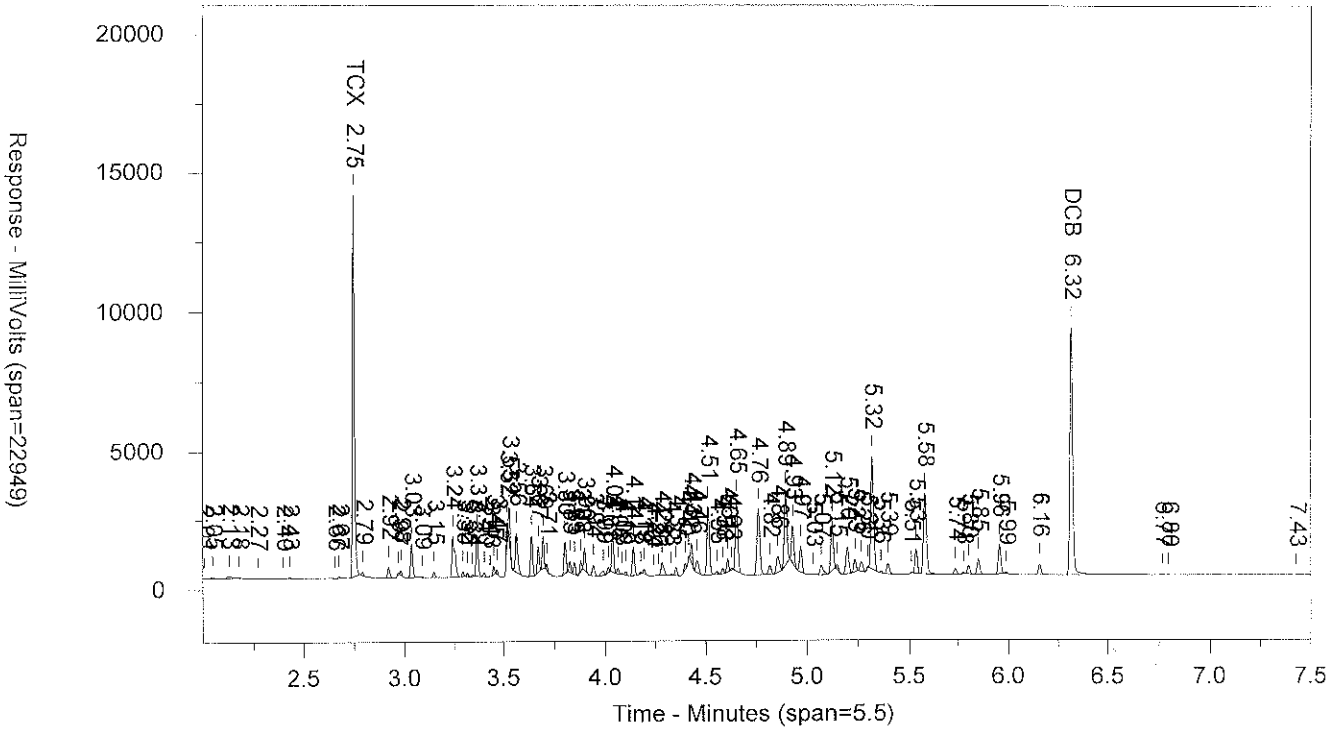

AR1641724B PEAR164PE CCAL 1729599999 10225 SW-846 8082

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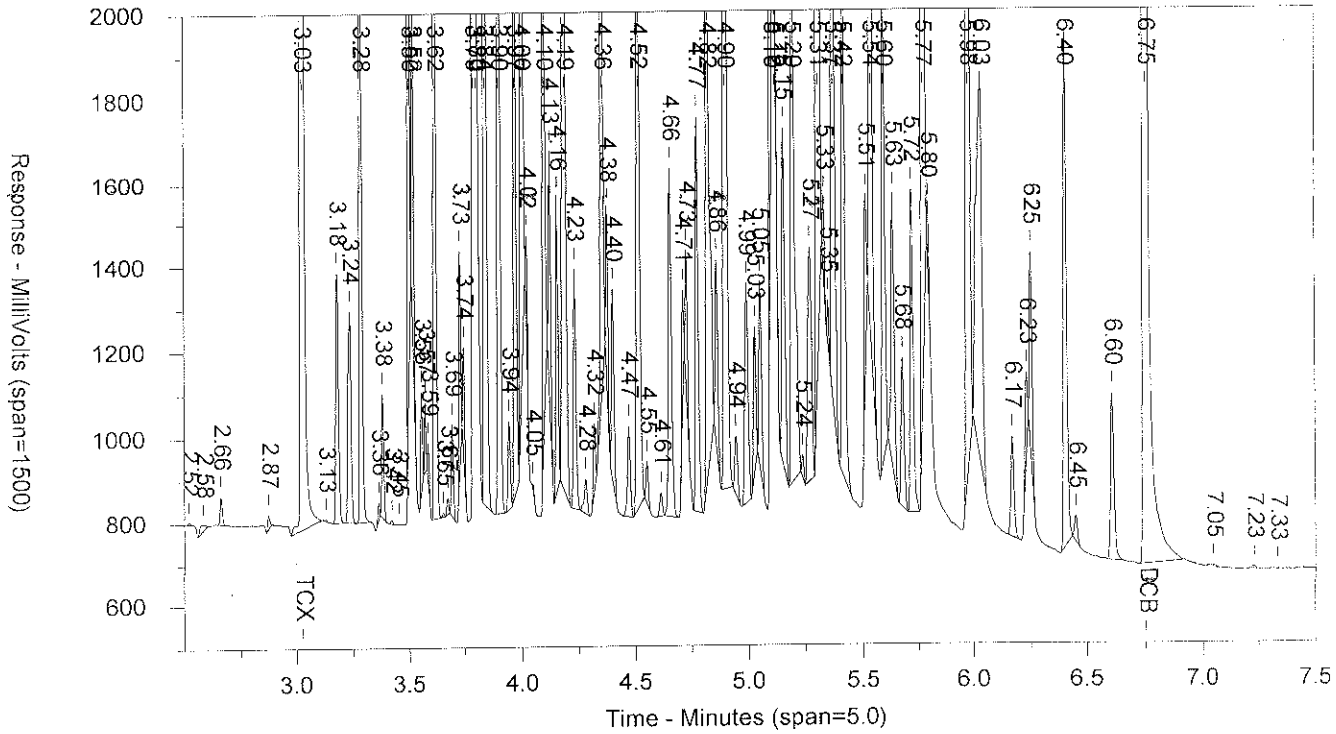

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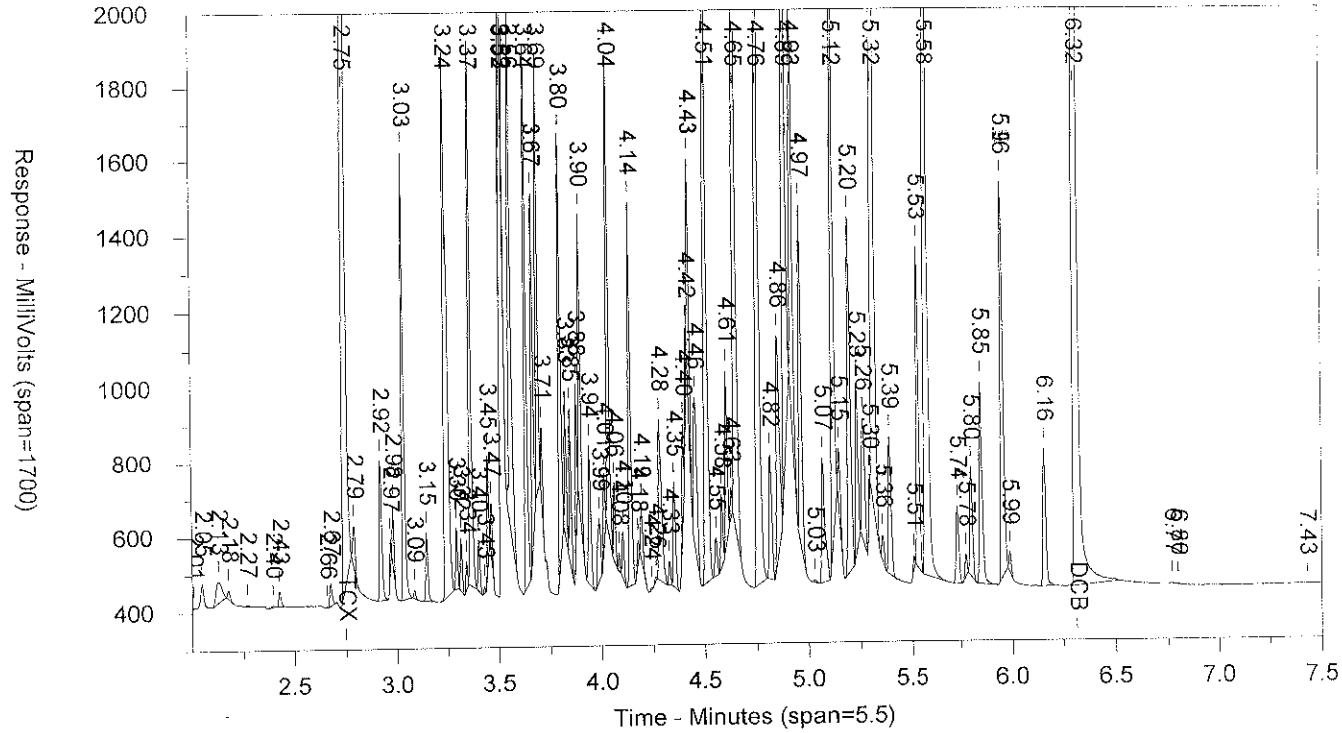


LANCASTER LABORATORIES

Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0072.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.677		26783	145703
2.119		7648	20222
2.185		123676	334263
2.316		61316	44979
2.411		20404	13509
2.426		26176	18536
2.521		3935	3077
2.583		9151	16617
2.639		3319	1745
2.875		34353	23409
2.962		13060	12926
3.029	TCX	13851550	8881935
3.23		159532	104841
3.286		5295	4198
3.362		31726	23082
3.574		3001	2149
3.62		9079	6131
3.677		25204	17897
3.715		2832	4226
3.758		1251	316
3.772		2834	2993
3.846		9765	7766
3.864		1033	319
3.902		8412	6506
3.925		1280	292
3.946		6057	4393
4.007		3239	6284
4.05		8931	9069
4.083		1249	495
4.184		11028	15806
4.237		7572	5665
4.312		2508	1741
4.352		10160	14252
4.384		9735	8143
4.512		14401	15849
4.61		5472	4278
4.661		20668	20415
4.715		37250	34199
4.752		2877	1957
4.819		1777	1590
4.863		9100	7569
4.946		4764	3376
4.989		4725	4112
5.028		147679	137912
5.06		6448	12502
5.122		12164	13749
5.156		7835	6483
5.191		2131	885
5.216		17472	16364
5.269		163726	157186
5.309		2621	1852
5.35		5825	5942
5.373		1888	1173

RT A	Compound A	Height A	Area A
5.468		6575	8384
5.517		4837	4748
5.588		9740	13504
5.633		11899	15456
5.676		105624	107803
5.798		159956	161300
5.979		5650	4921
6.024		3784	3865
6.102		2014	1248
6.168		99091	95396
6.231		166198	218890
6.4		1484	1755
6.532		2572	1688
6.605		55612	57830
6.681		1000	343
6.75	DCB	4558634	4891852
7.016		1271	385
7.051		3181	2173
7.201		1230	526
7.227		2958	2664
7.556		1143	769
7.647		1422	726
7.887		1320	222
7.989		942	870
8.097		1214	426
8.162		1670	508
8.247		1344	575
8.411		1426	785
8.573		1162	991

LANCASTER LABORATORIES

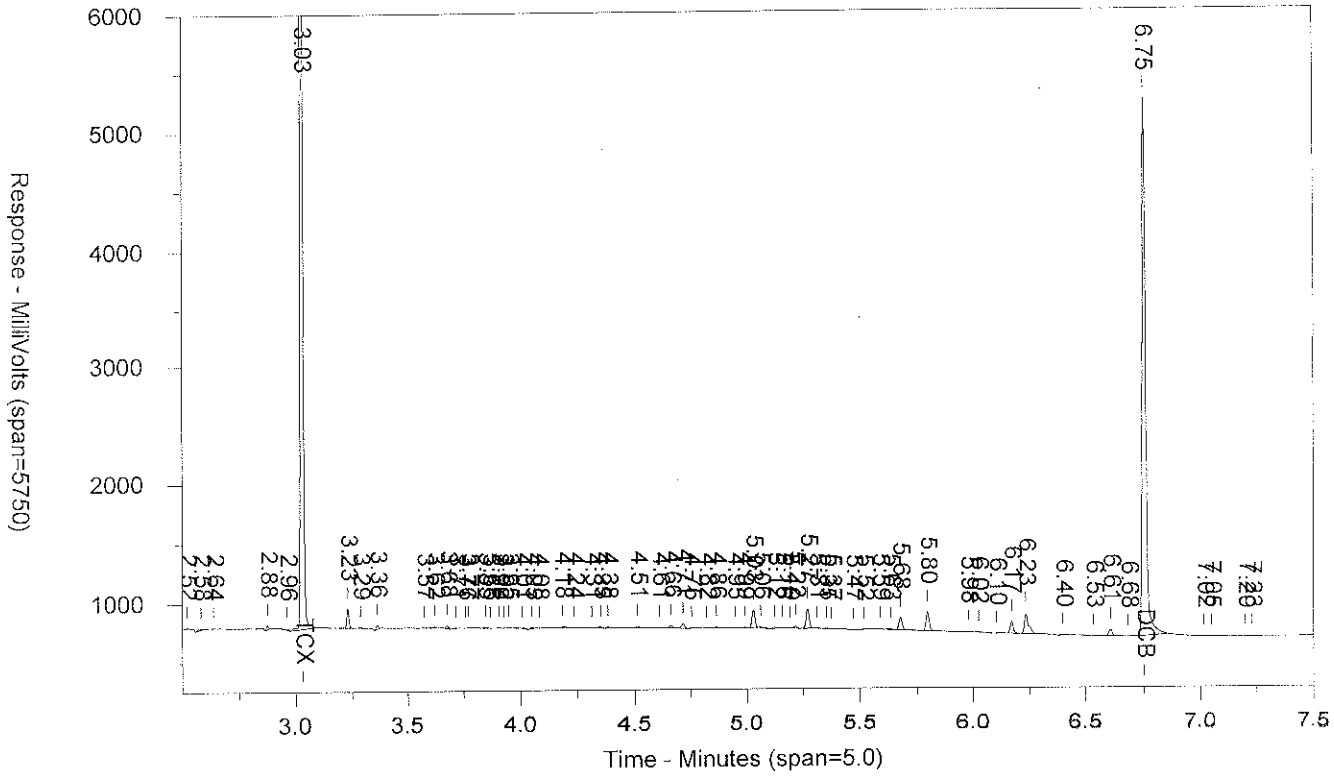
Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0072.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.623		6429	21518
1.778		1542	8598
1.913		2130	5027
2.012		5029	13000
2.048		35867	43110
2.129		65762	130908
2.176		10817	9142
2.331		2467	5898
2.4		4981	14976
2.674		64784	71019
2.747	TCX	6837807	4801457
2.968		84969	60767
3.034		4140	2682
3.086		15942	18362
3.319		5672	6040
3.371		8308	11127
3.432		14519	9973
3.464		3630	3226
3.52		2649	2723
3.572		3724	2839
3.638		8802	9312
3.684		3751	3933
3.733		2852	2223
3.883		9892	11703
3.914		8195	7686
3.945		4314	3259
3.991		3745	2211
4.022		2647	1112
4.043		10172	7253
4.195		13451	14281
4.246		4415	3362
4.285		4207	2579
4.308		9189	5902
4.33		20849	16106
4.399		4495	3544
4.436		5952	7775
4.516		8301	11936
4.554		3336	3184
4.63		101620	106732
4.76		8170	6772
4.821		15456	13265
4.869		113320	102725
4.945		4244	6028
5.126		5312	4598
5.151		4219	3328
5.192		12462	13455
5.271		80832	94913
5.394		128753	118729
5.581		7201	7107
5.735		89711	84421
5.803		154630	145710
5.852		42802	37580
6.156		55728	51674
6.317	DCB	4339558	4457660

6.765	2863	2503
6.796	2811	2500
8.172	1569	1392
8.632	3956	10984

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP7\07PCBS17292003.0072.RAW



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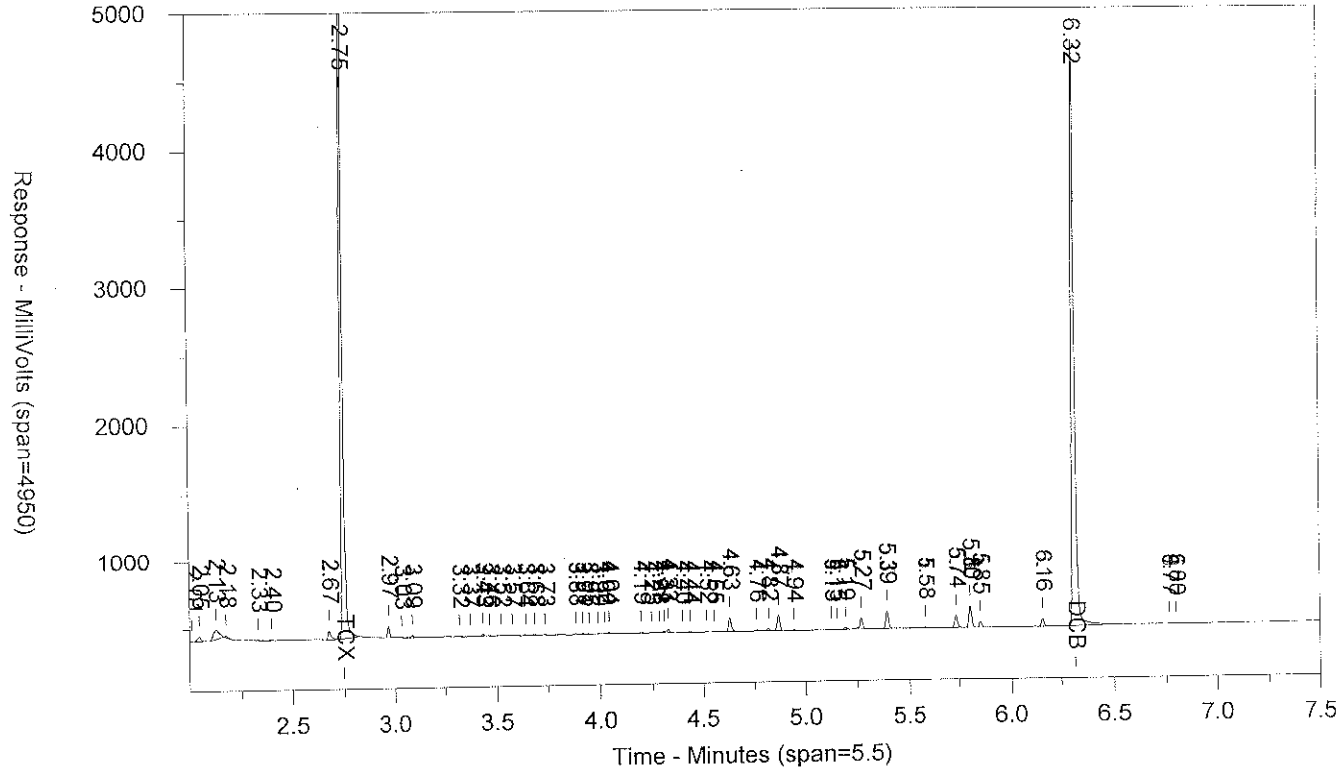

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 9:02:38 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	13851550	.218	TCX	2.747	6837807	.225	TCX
6.75	4558634	.179	DCB	6.317	4339558	.188	DCB

Files:
Area File: 07PCBS17292003.0072.RAW
Area File: 07PCBS17292003B.0072.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 9:11:22 AM
File Reported On: 10/24/2017 at 9:11:36 AM

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

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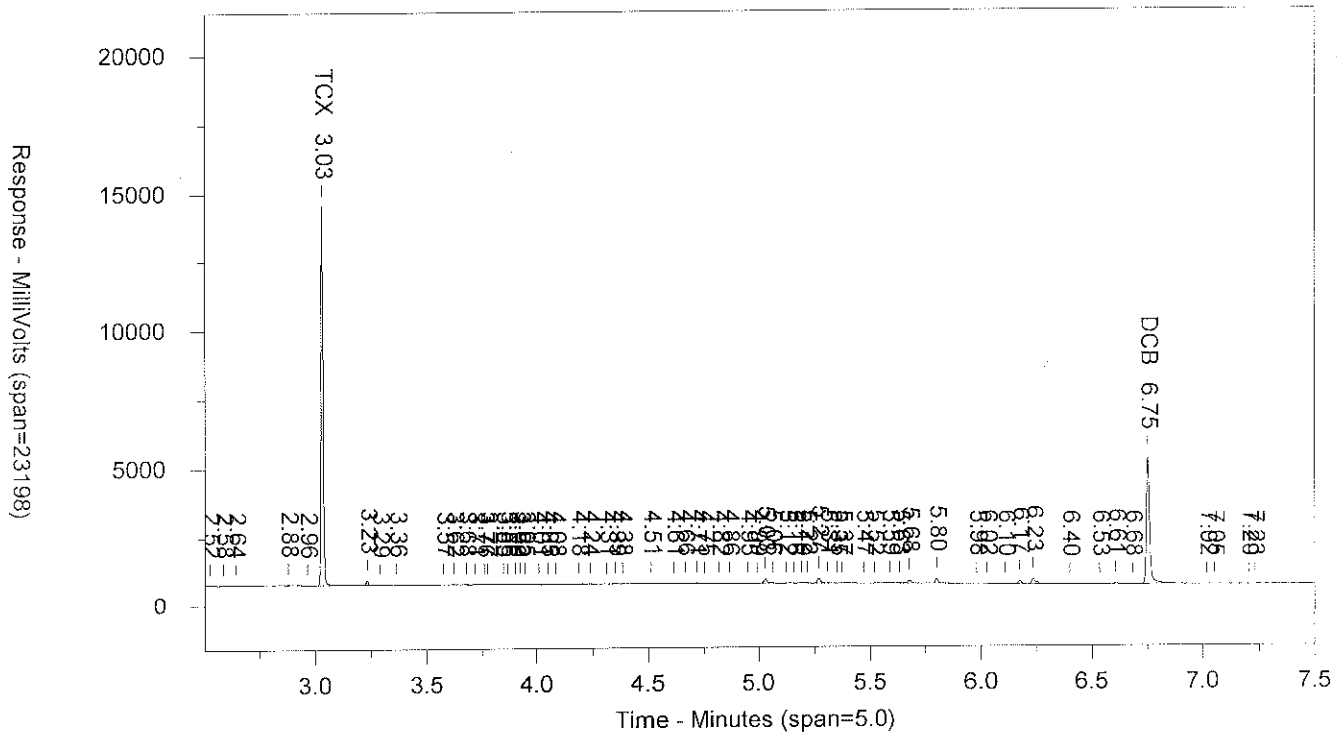

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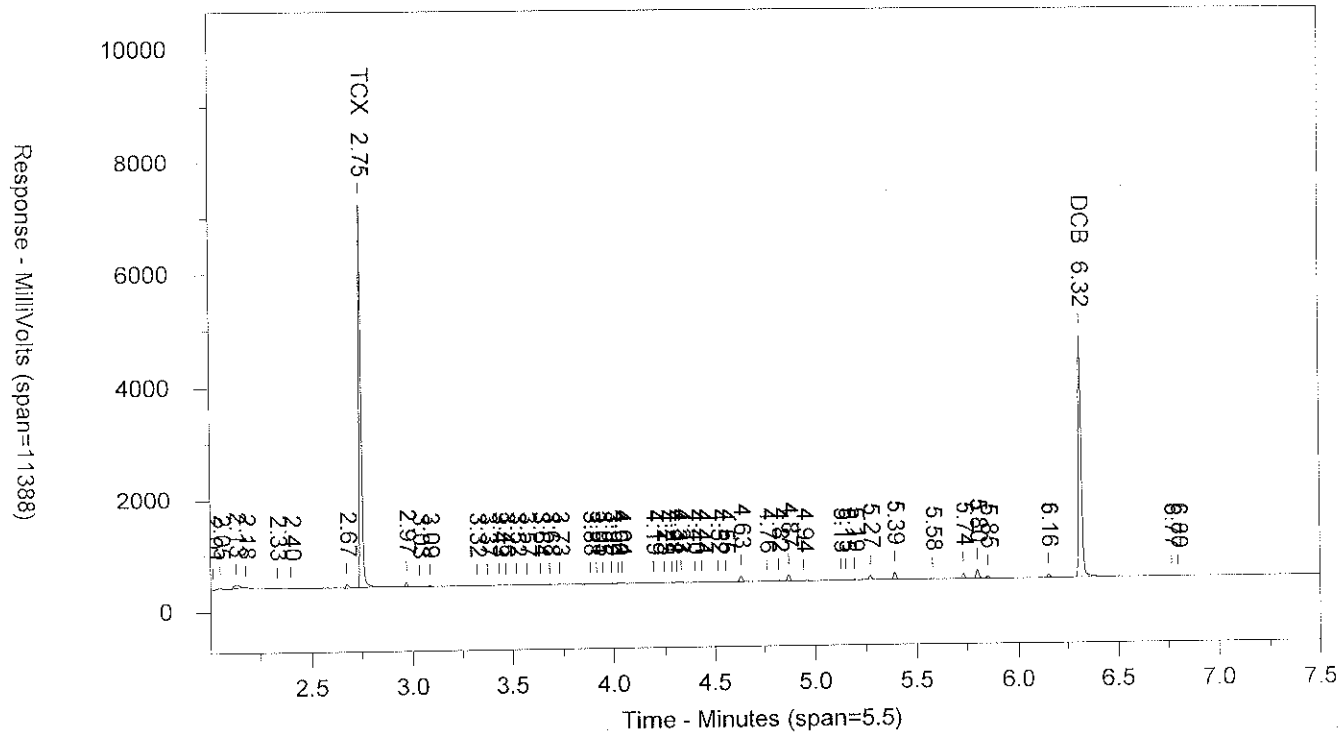

IBLKX1724B YNPIBLKYN PIBLK1729599999 10225 SW-846 8082

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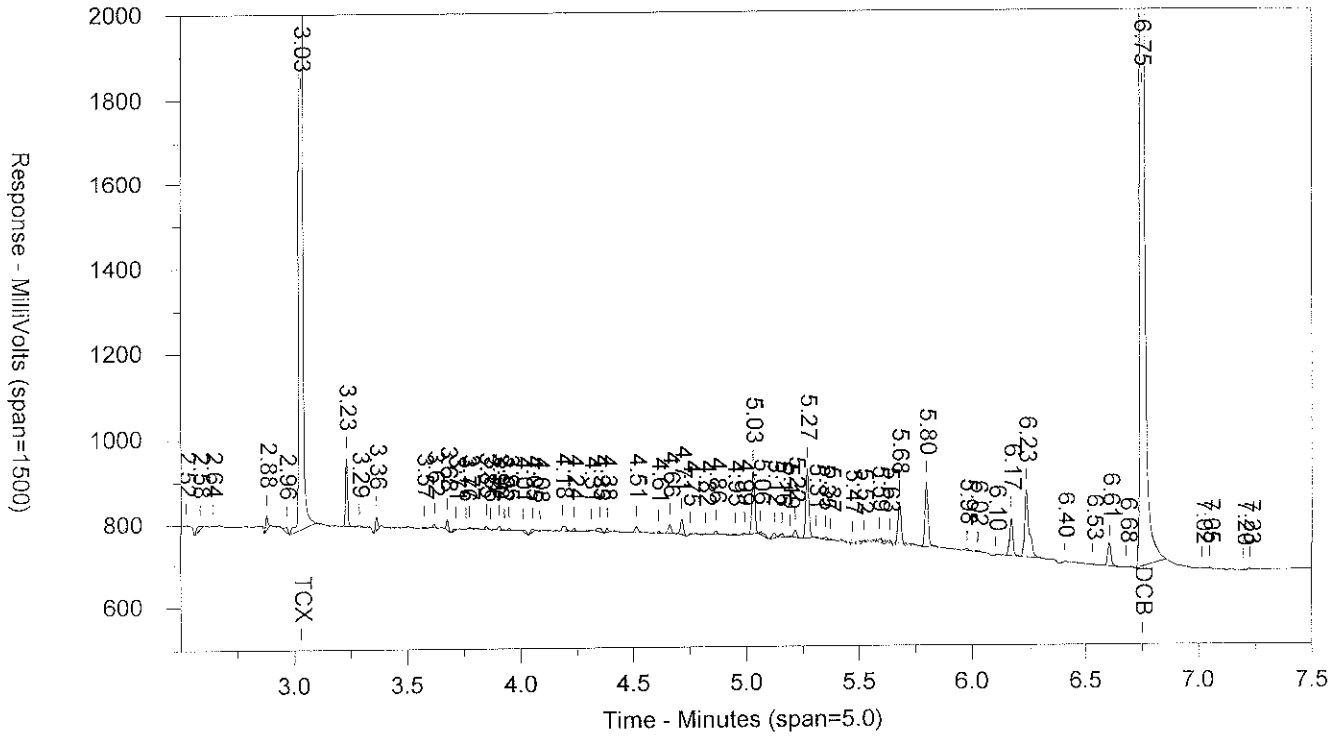

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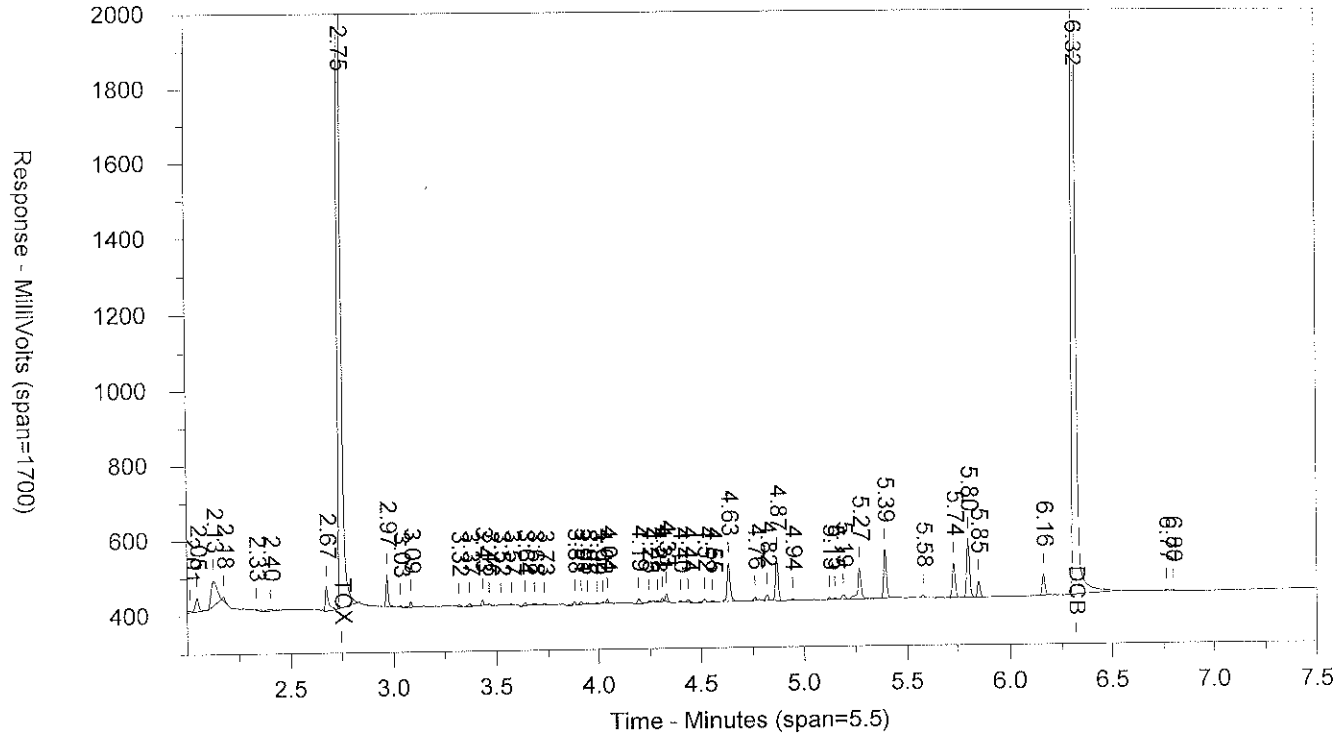

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0093.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.669		6403	69011
1.806		2742	2023
2.116		37554	66848
2.183		129152	296497
2.237		28801	55548
2.315		115767	86593
2.41		32463	19809
2.426		44572	29583
2.582		9482	15846
2.64		2854	2273
2.662		28475	20660
2.813		1857	542
2.875		29386	22754
3.028	TCX	28087920	18193030
3.129		4174	1944
3.18		414987	349671
3.236		480724	479851
3.285		2161865	1479755
3.361		45439	26747
3.38		239700	150547
3.42		7633	5248
3.502		2327134	1348174
3.519		1100873	588444
3.556		241876	138524
3.572		84124	35338
3.586		131853	67883
3.618		2677807	1862887
3.654		11791	5923
3.674		43331	26849
3.693		106095	64534
3.73		533674	311533
3.746		280707	143998
3.791		1427886	760837
3.803		2694782	1386296
3.842		3100646	2280937
3.903		2577405	1894792
3.945		189141	131894
3.972		1686262	1230902
4		1216577	1085369
4.023		330602	164362
4.101		1831993	1317936
4.126		640396	421635
4.158		718078	509848
4.194		1903948	1882567
4.235		553073	445611
4.282		82289	65784
4.322		104504	75594
4.358		1814749	1312155
4.377		371718	216705
4.402		472448	354212
4.472		237949	201711
4.517		1785125	1619946
4.551		68103	46957

RT A	Compound A	Height A	Area A
4.616		28996	23984
4.656		394704	389752
4.713		223009	146761
4.729		391270	257424
4.775		1027156	895886
4.824		1622337	1753829
4.862		394796	290528
4.902		3734473	3421964
4.945		53382	46520
4.992		530117	563151
5.027		132451	97660
5.052		551163	476767
5.105		3152384	2477565
5.121		409376	240355
5.156		848106	749983
5.197		2057004	2160301
5.238		38248	23009
5.276		437244	546134
5.311		4800728	4346919
5.334		219577	102890
5.351		70577	31326
5.376		2495116	2187902
5.419		1538364	1426677
5.516		381496	325758
5.539		2590649	2232757
5.596		1316882	1159240
5.636		708759	648987
5.676		252592	239110
5.719		863213	831223
5.776		6029462	5342118
5.981		3756662	3454317
6.035		1026791	1813147
6.169		261717	252419
6.232		150933	118953
6.251		511078	414988
6.405		1377214	1321691
6.45		62944	55115
6.607		425540	436470
6.752	DCB	10758540	11214220
7.226		9225	10604
7.311		925	436
7.426		1544	1038
7.523		1050	1067
7.547		1138	531
8.17		1434	507
8.31		1367	533
8.405		1589	457
8.494		1195	311
8.65		1471	429

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0093.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.624		4918	17274
1.664		4047	5474
1.936		7299	35145
2.018		1096	7089
2.048		62953	64845
2.125		56494	101841
2.176		21068	15890
2.396		3347	6338
2.427		16879	14065
2.674		57381	64781
2.747	TCX	13909570	9583232
2.789		82294	59240
2.919		272085	212492
2.968		76457	38101
2.981		163546	90822
3.034		1154679	832607
3.085		28409	17712
3.146		156623	115136
3.243		1492135	1642395
3.295		165746	109173
3.317		93346	57226
3.344		87946	49924
3.367		1417108	1057559
3.403		73156	46277
3.431		20248	9550
3.45		310166	179207
3.466		171269	89387
3.517		437067	273792
3.526		1460189	730383
3.56		1502216	1177017
3.636		1524615	1073128
3.669		1007693	674267
3.694		1110585	671851
3.712		275478	141921
3.803		1254865	936868
3.827		434952	255145
3.849		421682	279899
3.881		282061	164872
3.899		952430	656184
3.942		382896	312176
3.991		79835	79636
4.014		231535	147743
4.037		1380439	1006278
4.064		254393	159394
4.084		36572	16981
4.103		148554	100208
4.14		1123208	902560
4.177		50781	33546
4.194		97245	70624
4.258		11688	12947
4.284		199003	239680
4.328		20289	11500
4.352		299332	242802
4.399		248118	152235

4.417		129581	75623
4.43		747643	477279
4.458		452443	465746
4.511		2586339	2287854
4.556		54552	49074
4.584		223521	157274
4.609		543868	411866
4.63		12593	4399
4.653		3108346	2602257
4.761		2553809	2640936
4.817		325950	305766
4.857		668650	643013
4.894		2985624	2712887
4.927		1460289	1168115
4.968		1031565	893505
5.03		5521	5500
5.072		368396	405555
5.124		1969670	1693451
5.148		206765	136686
5.199		1046151	1023374
5.235		498014	408636
5.264		373986	344160
5.296		82034	51759
5.318		4614680	4232316
5.359		84430	64151
5.394		323218	285849
5.51		37951	25570
5.534		922661	849725
5.579		3246613	3677372
5.736		234805	213881
5.778		67995	51836
5.803		271131	230021
5.852		581897	561827
5.957		1167324	1088496
5.988		58771	43280
6.157		412534	389865
6.317	DCB	10209090	10010210
6.766		7596	7486
6.946		1479	1690
7.712		1430	2012
8.405		2716	7672
8.63		4091	8568

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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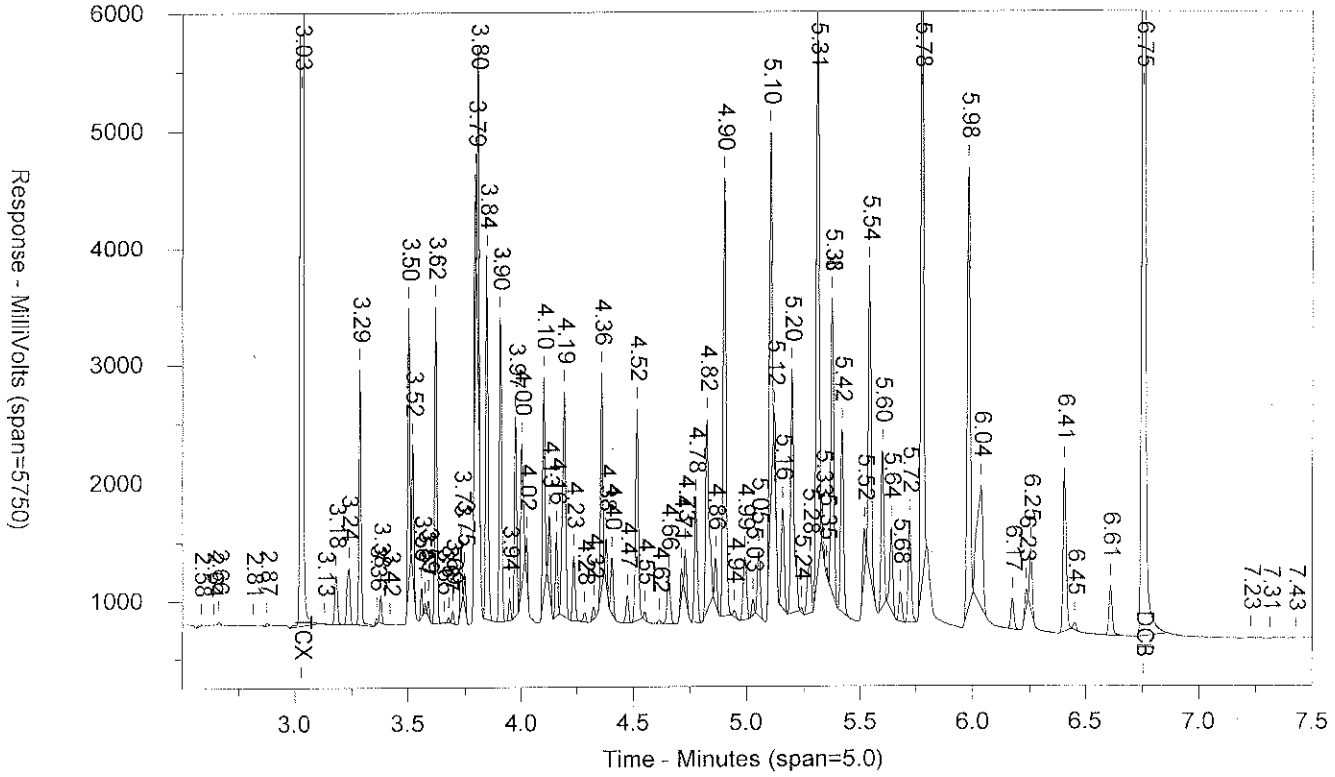

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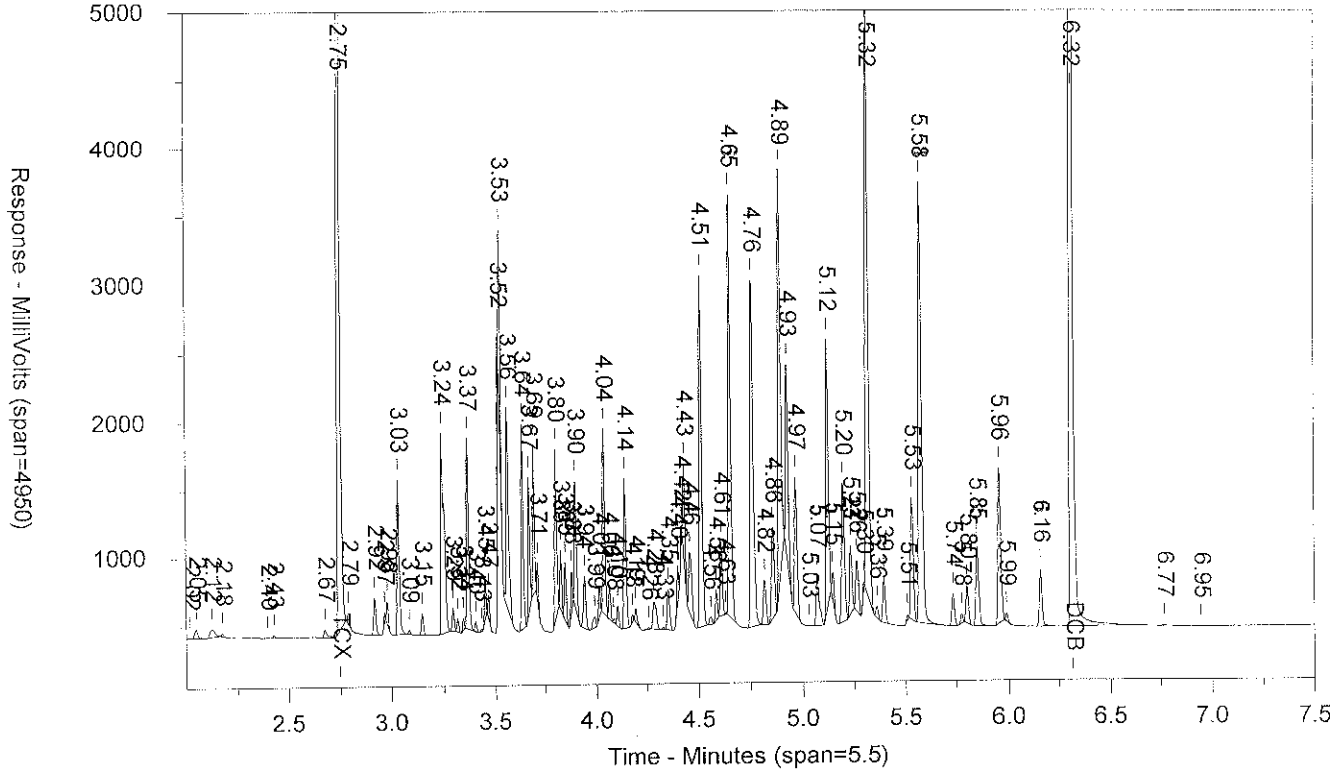

LANCASTER LABORATORIES

Sample Number: AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:02:43 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	28087920	44.236	TCX	2.747	13909570	45.823	TCX
6.752	10758540	42.153	DCB	6.317	10209090	44.245	DCB

Files:
Area File: 07PCBS17292003.0093.RAW
Area File: 07PCBS17292003B.0093.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:11:25 PM
File Reported On: 10/24/2017 at 1:11:42 PM

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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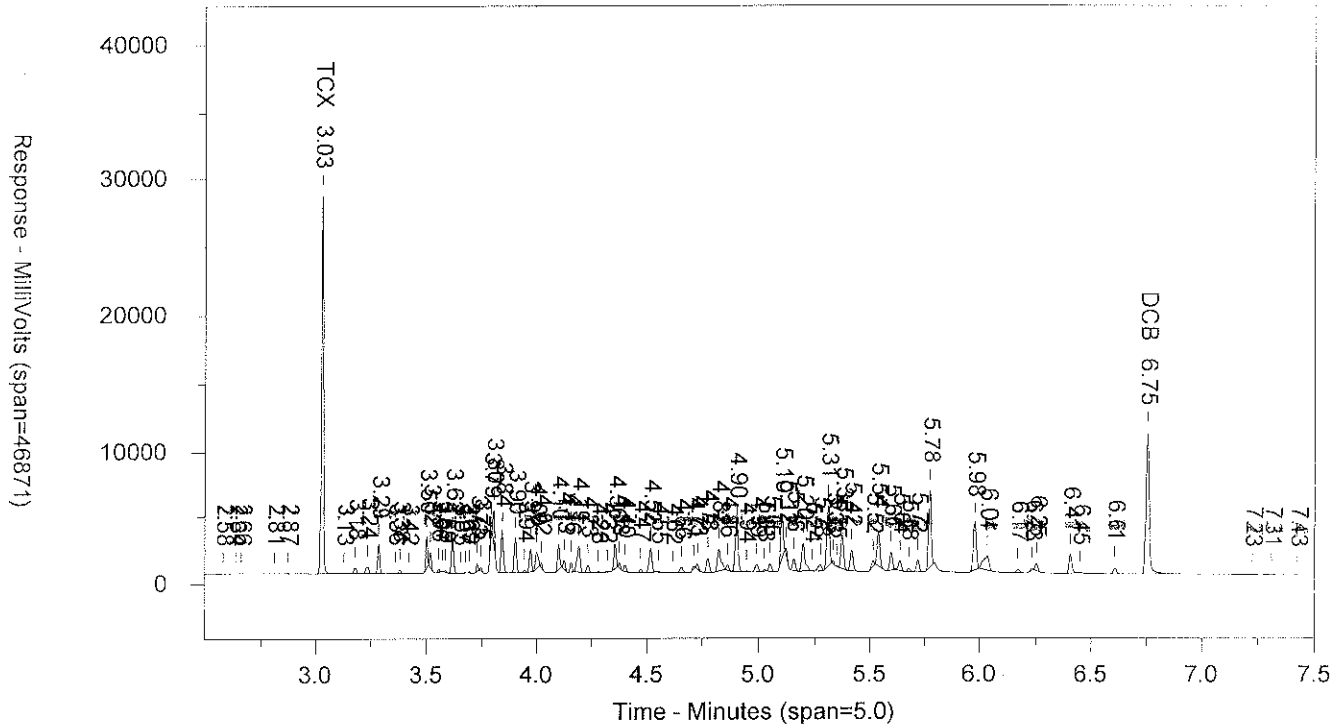

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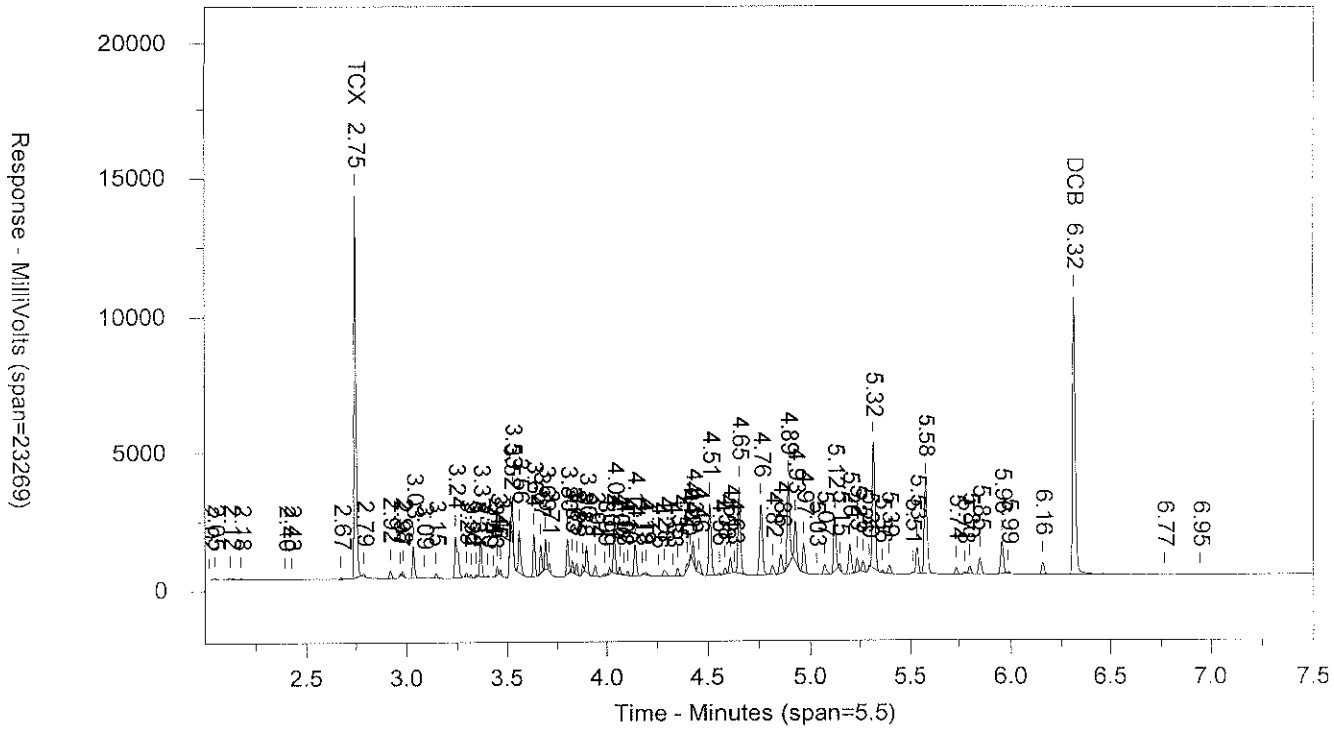

AR1641724B PFAR164PF CCAL 1729599999 10225 SW-846 8082

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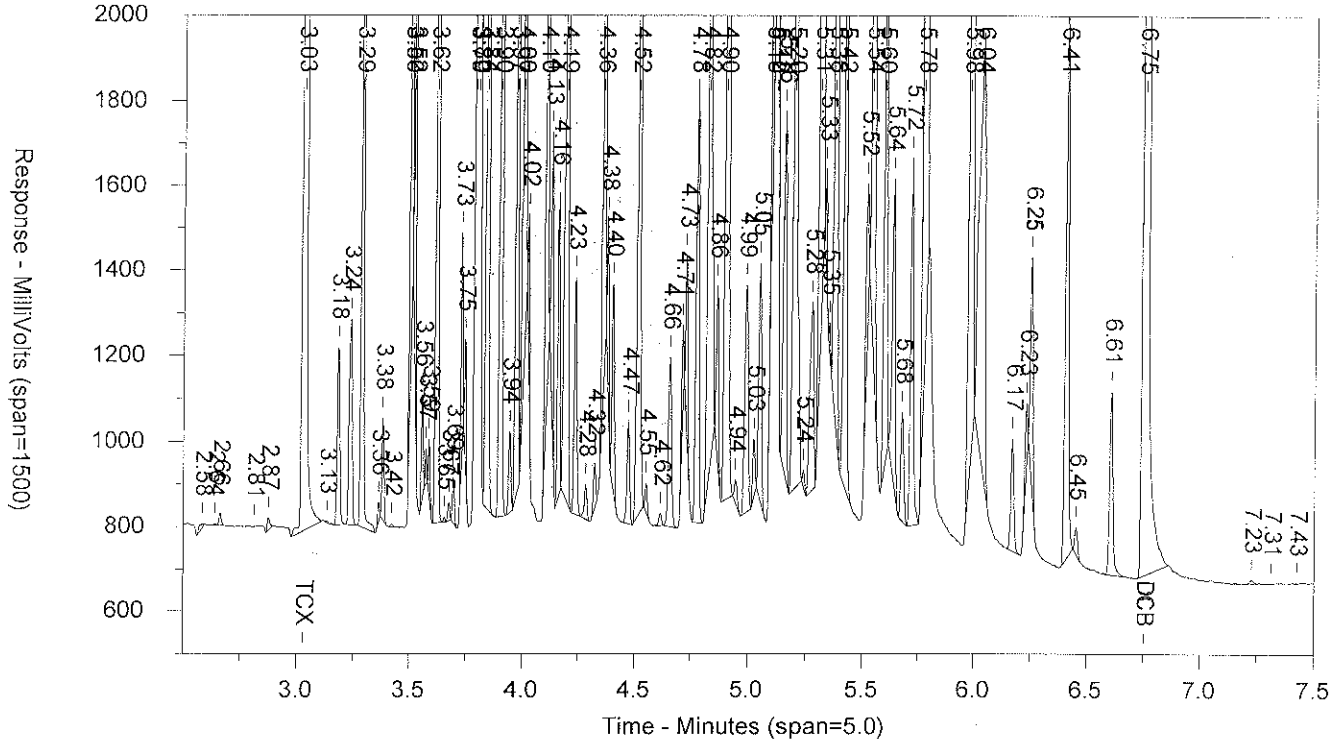

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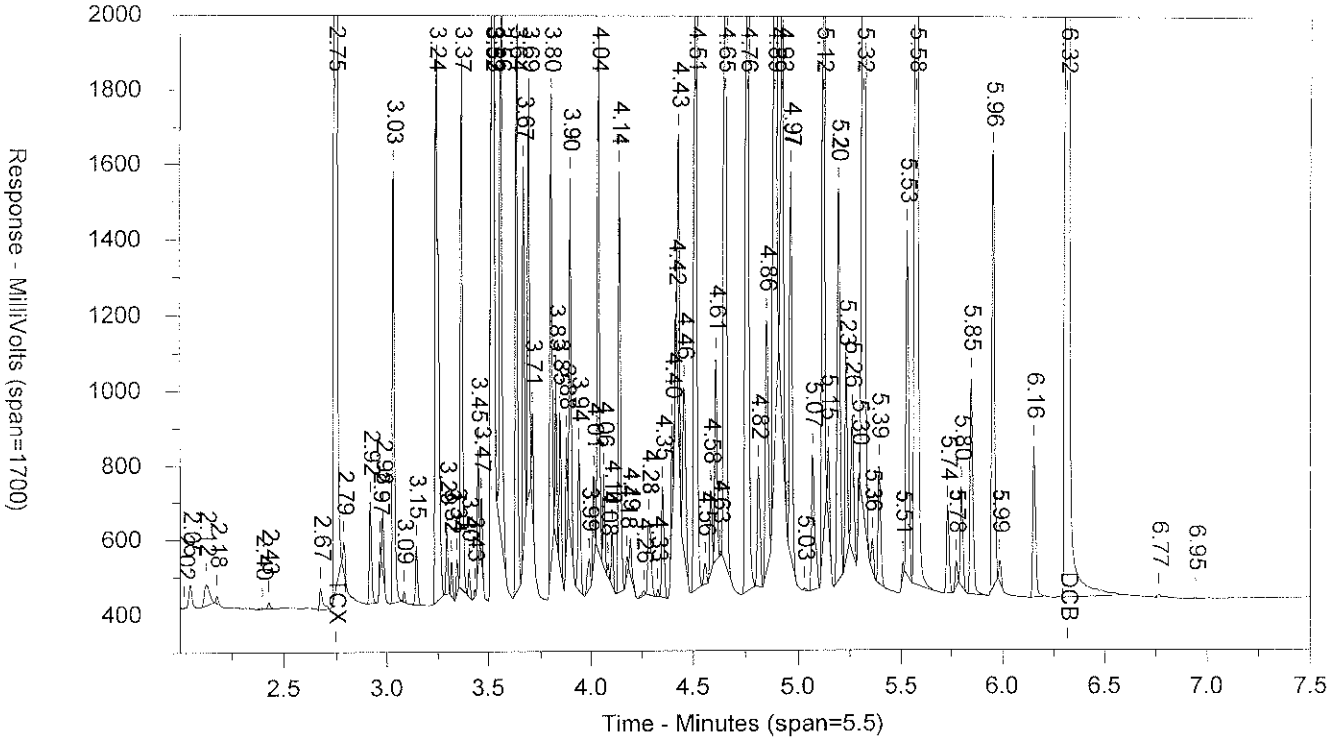

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0094.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.657		14371	52796
1.811		5102	3484
1.861		1823	1007
1.919		3457	1924
1.953		3479	5317
2.132		31443	79652
2.182		156504	329241
2.239		30172	59465
2.315		63252	54410
2.41		27347	18322
2.426		22768	15643
2.465		3178	1349
2.585		9873	18541
2.79		1673	618
2.813		2234	1076
2.875		37105	29538
3.002		3680	9218
3.029	TCX	14326590	9149231
3.23		168958	107842
3.363		37226	28487
3.677		29566	20143
3.708		4920	4243
3.775		5950	6568
3.815		5047	2826
3.845		4909	4305
3.87		1494	500
3.886		1627	726
3.905		1906	1040
3.93		1007	173
3.939		1627	708
3.959		1272	328
3.994		1599	519
4.004		1432	396
4.052		6614	8839
4.154		2222	577
4.308		3080	2693
4.337		1719	568
4.401		3263	5030
4.42		3322	2618
4.517		6660	6214
4.659		5180	4683
4.713		14544	14610
4.755		1977	1994
4.858		1415	695
4.899		2916	2613
4.995		1880	2300
5.03		64326	60795
5.061		7158	13002
5.125		6155	7417
5.155		4503	2931
5.189		6129	5485
5.216		4691	4011
5.271		85052	80856

RT A	Compound A	Height A	Area A
5.354		3055	2403
5.398		1304	669
5.473		5673	6438
5.591		9147	12047
5.677		73554	72371
5.8		124442	120151
5.983		5801	5456
6.03		1865	754
6.104		2063	1632
6.171		118192	115675
6.234		127227	110385
6.477		4255	3897
6.521		1426	408
6.608		58694	62412
6.754	DCB	5226773	5711277
7.046		3554	5537
7.227		4230	4317
7.932		1431	456
7.94		1756	433
7.979		1121	521
8.042		1732	402
8.066		1780	449
8.174		1378	661
8.359		1442	472
8.406		1563	783
8.656		1740	1130

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0094.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.631		4843	16697
1.666		5989	14370
1.775		2053	2711
1.916		11127	46919
2.005		5453	11204
2.047		36337	45433
2.126		71419	130883
2.176		8810	5770
2.392		3557	7543
2.674		69191	75044
2.747	TCX	6929289	5021860
2.968		88551	61831
3.065		1624	1439
3.086		15222	10657
3.258		2048	3077
3.32		4818	4980
3.37		2512	4612
3.432		17159	11797
3.466		5404	4360
3.524		2640	2579
3.589		4453	5813
3.636		3100	3028
3.67		2473	4361
3.878		4601	8942
3.913		3041	3928
4.038		2392	1873
4.103		2992	2428
4.197		4286	6154
4.247		7314	11595
4.331		8592	7235
4.434		9985	15648
4.517		4922	6490
4.631		41522	39807
4.759		2504	1711
4.822		2398	1880
4.844		2990	1931
4.869		59075	51936
5.124		3735	3082
5.192		5833	6460
5.272		55273	55337
5.321		2971	3662
5.394		97303	92890
5.537		1723	1109
5.581		4237	4400
5.736		106126	101183
5.804		149031	135720
5.853		39102	35016
6.157		58342	53802
6.318	DCB	5076236	5043882
6.768		3686	3642

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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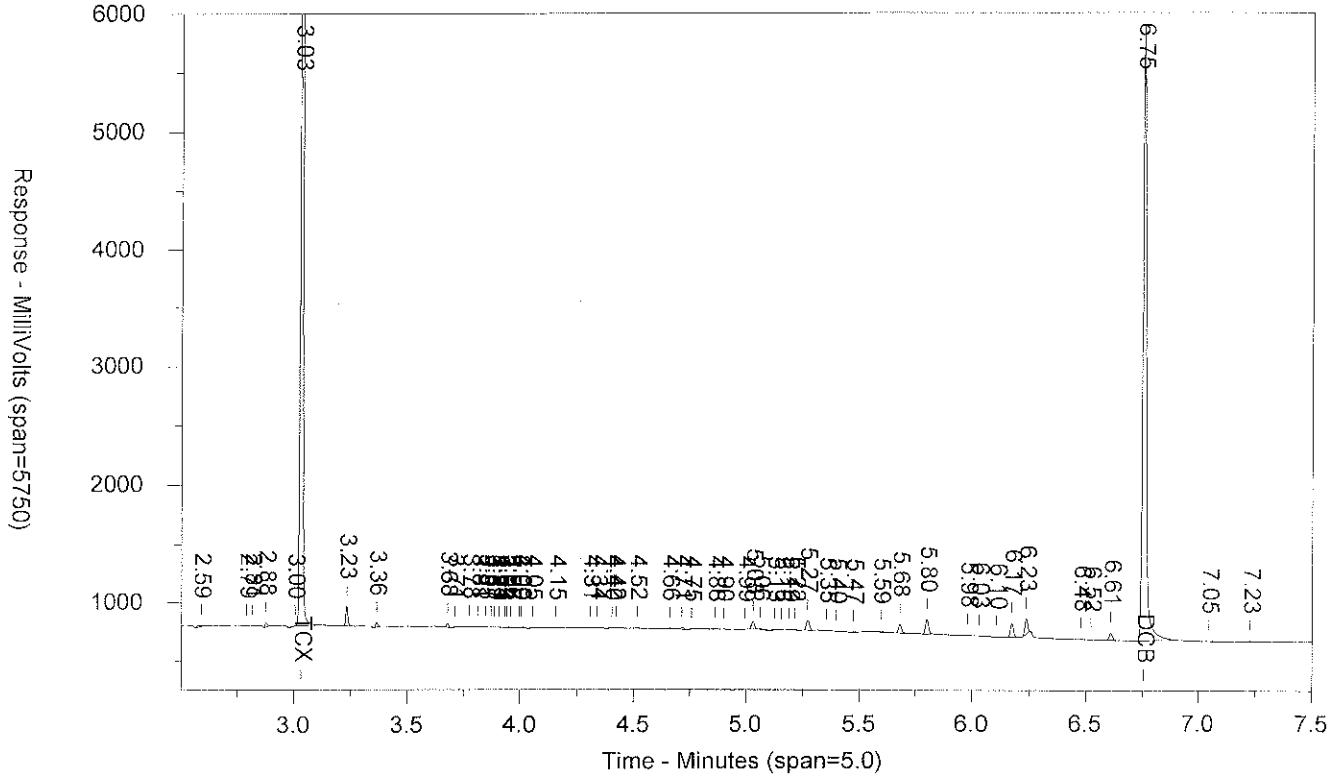

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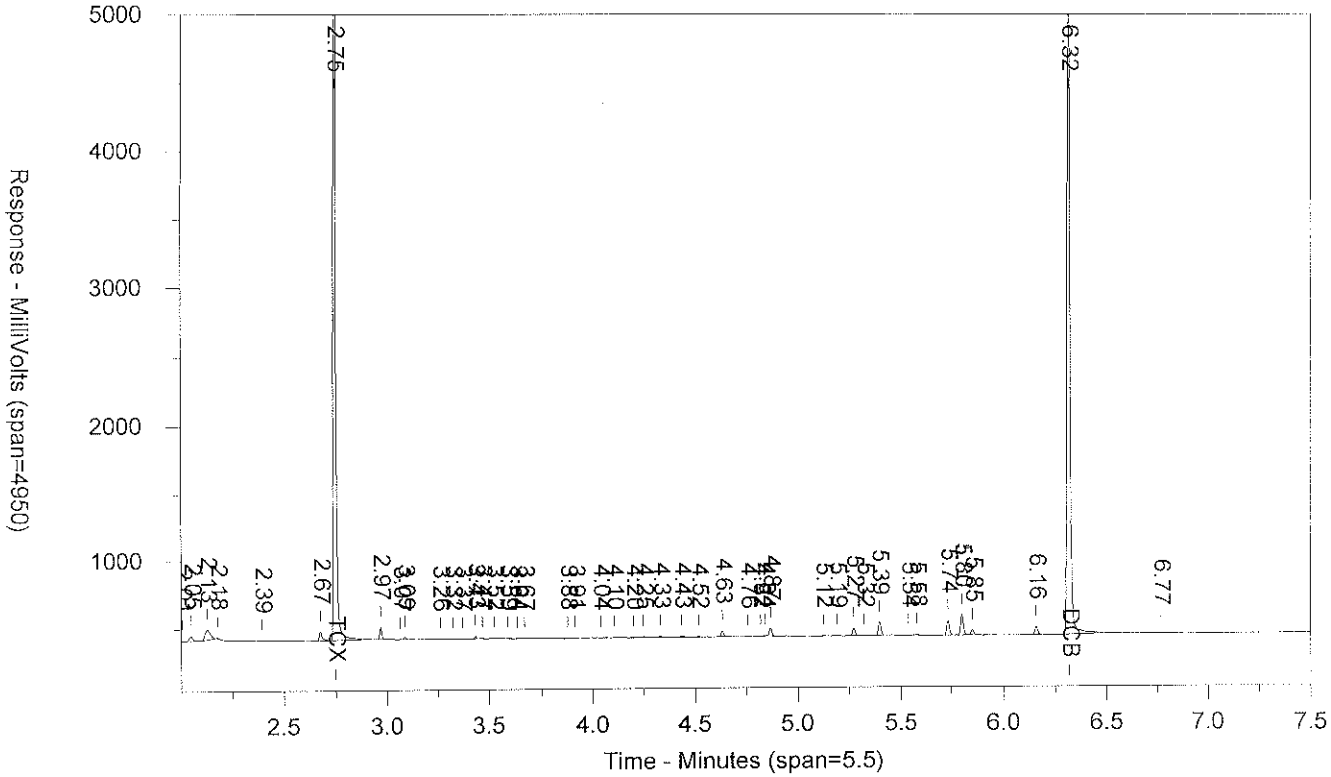

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 1:14:07 PM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	14326590	.226	TCX	2.747	6929289	.228	TCX
6.754	5226773	.205	DCB	6.318	5076236	.22	DCB

Files:
Area File: 07PCBS17292003.0094.RAW
Area File: 07PCBS17292003B.0094.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:22:52 PM
File Reported On: 10/24/2017 at 1:23:06 PM

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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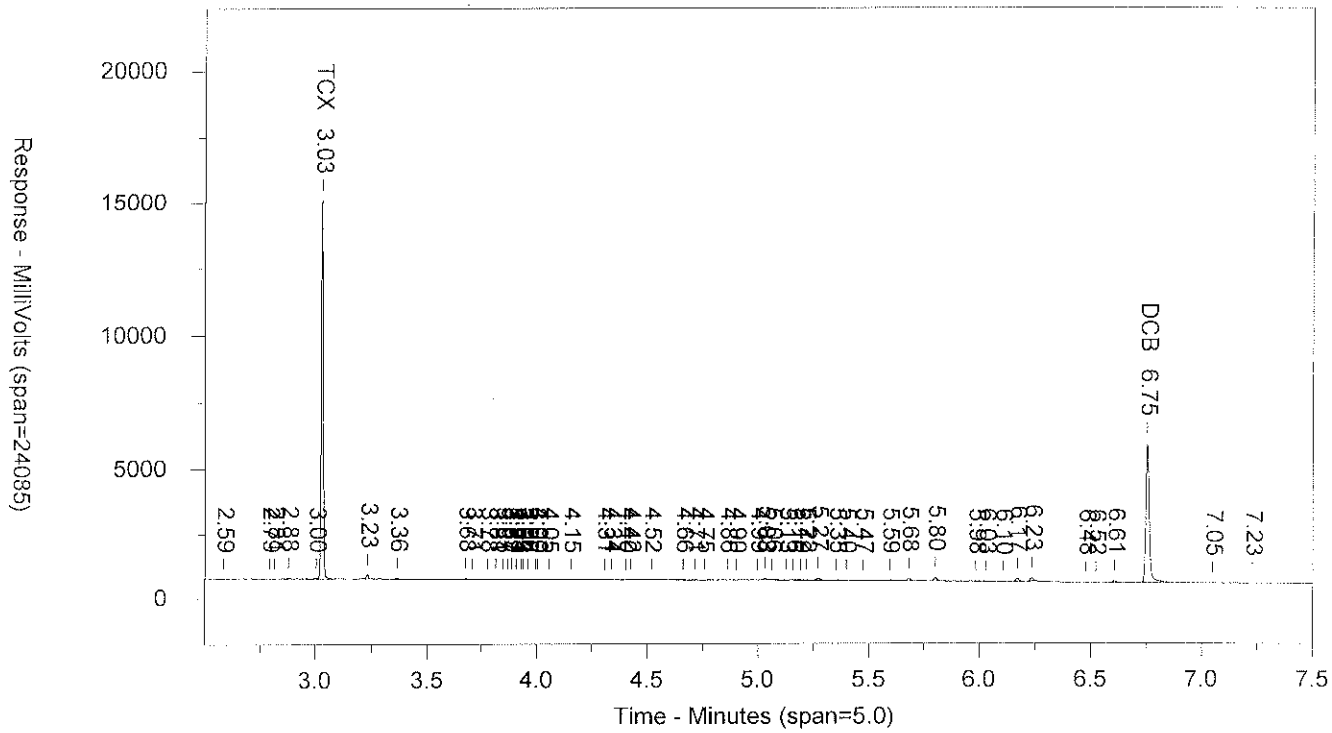

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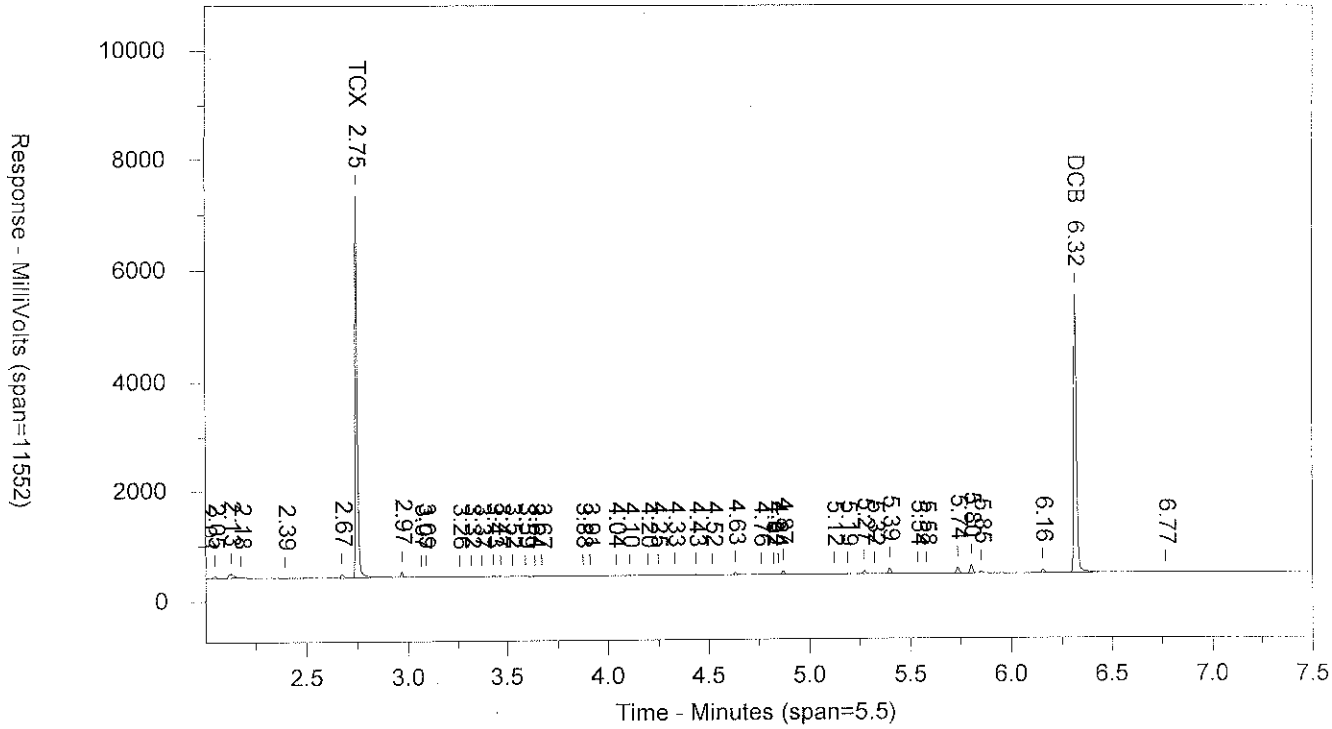

IBLKX1724B YOPIBLKYO PIBLK1729599999 10225 SW-846 8082

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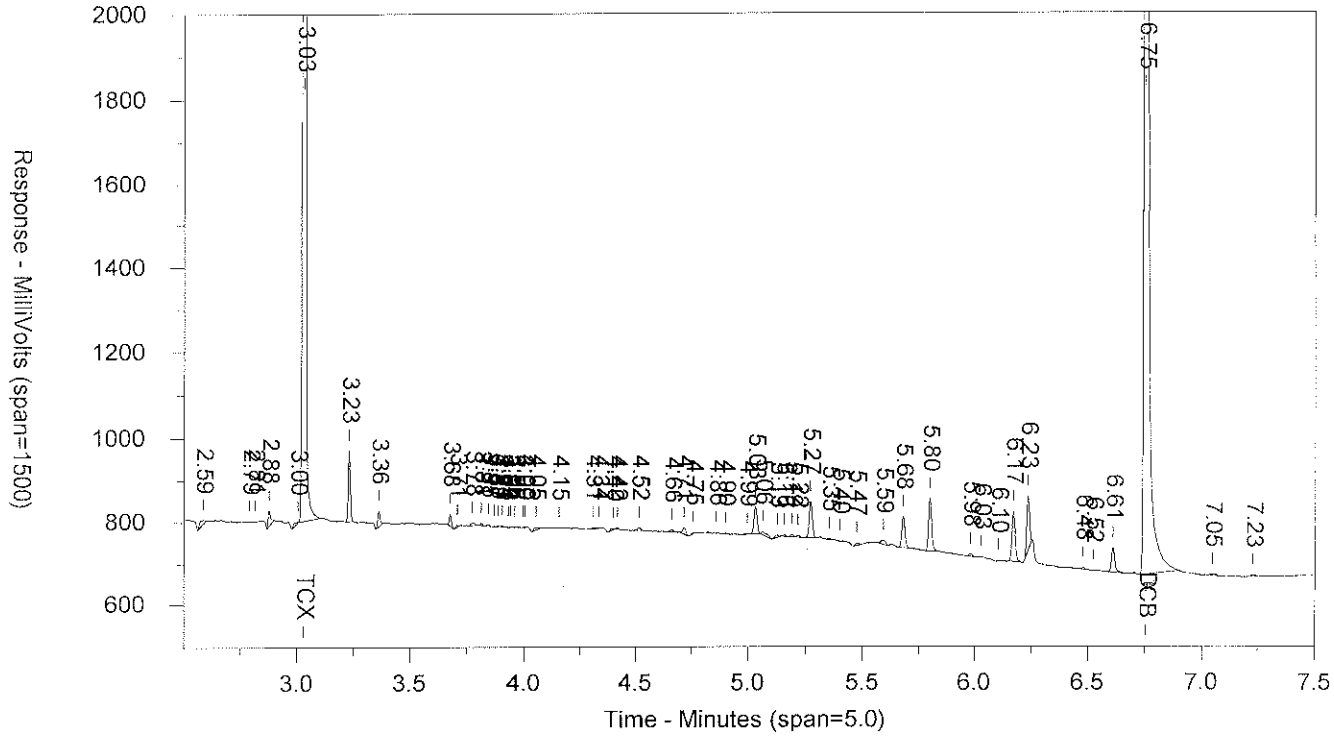

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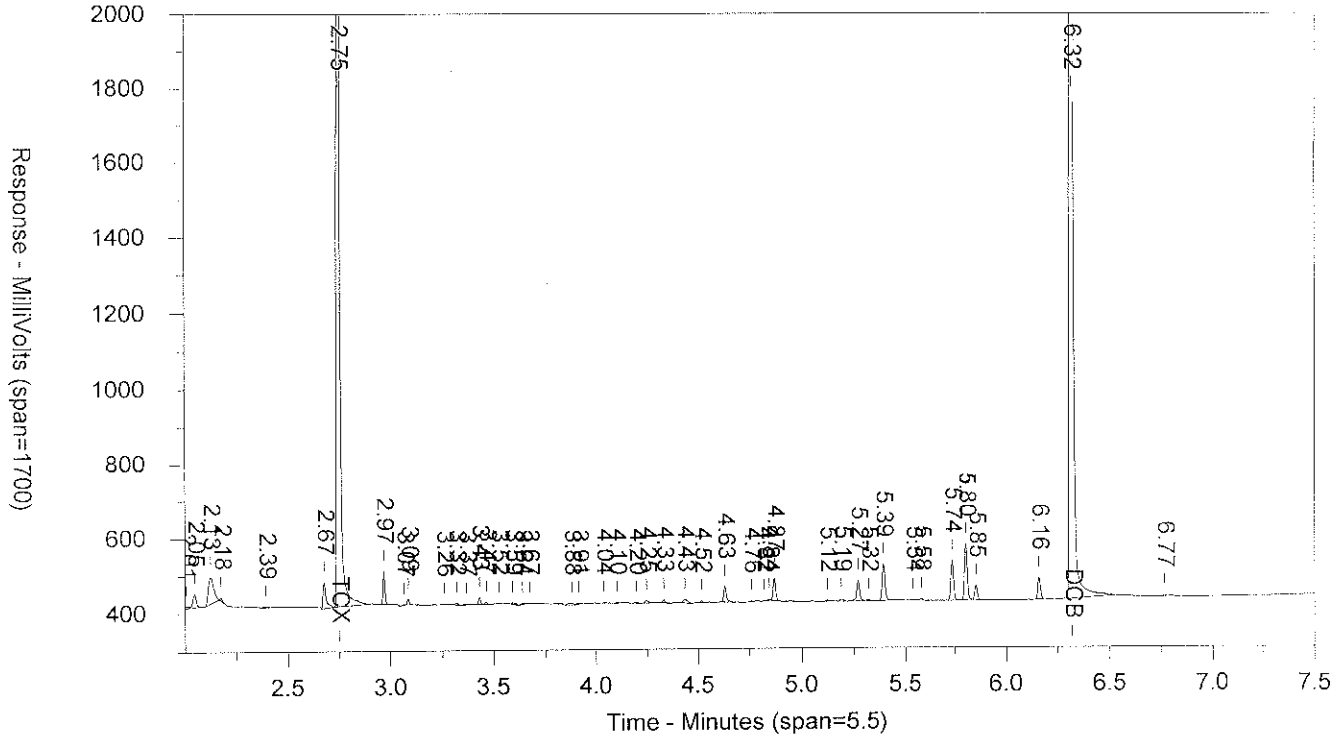

LANCASTER LABORATORIES

Sample Number: AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:14:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0115.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.643		11131	18600
1.713		1324	542
1.952		3051	6922
2.112		32217	37337
2.132		32931	51765
2.185		186631	369002
2.242		29499	68364
2.316		117877	94450
2.411		33440	21884
2.427		41488	29737
2.467		6434	6889
2.584		7450	14714
2.639		2561	1469
2.663		23975	17078
2.875		38288	34516
2.96		12256	13701
2.993		5902	6925
3.029	TCX	27977910	17874340
3.13		4881	2739
3.181		355875	299830
3.237		474358	468943
3.286		2109018	1423303
3.363		45863	24903
3.381		229606	144139
3.421		6431	4010
3.503		2214629	1302967
3.52		1130030	584117
3.558		248379	139502
3.573		66259	28116
3.588		138959	71556
3.62		2500075	1807852
3.655		12322	6183
3.676		49639	30225
3.695		81373	49079
3.731		513824	308764
3.746		266774	137222
3.793		1503938	773080
3.805		2656808	1369957
3.844		2945752	2205073
3.905		2521653	1846288
3.946		184843	127267
3.974		1700875	1202043
4.002		1178514	1043471
4.024		304880	162012
4.103		1869711	1295114
4.128		639162	410115
4.159		689450	489325
4.195		1812796	1801789
4.236		546633	428671
4.283		75606	60955
4.323		93217	68543
4.359		1727335	1278288
4.379		388740	218332

RT A	Compound A	Height A	Area A
4.404		459456	345487
4.474		233214	196076
4.518		1687297	1549895
4.553		55035	37937
4.617		21315	16155
4.659		278689	273655
4.714		197608	131796
4.731		365274	246628
4.777		974764	873615
4.825		1574497	1716104
4.863		377751	269194
4.903		3762945	3308840
4.945		30458	24384
4.993		517170	536491
5.028		80867	57262
5.053		545637	482964
5.106		2956150	2440967
5.121		212286	169733
5.157		814080	729040
5.197		1927211	2102531
5.24		31788	16124
5.277		402324	483476
5.312		4636391	4258278
5.334		176889	84383
5.352		55377	24835
5.376		2448045	2143696
5.419		1483074	1389272
5.517		383181	321054
5.54		2453446	2160146
5.597		1269429	1131042
5.636		683625	636673
5.678		201251	188425
5.719		852084	820294
5.776		6168352	6835690
5.981		3707143	3425675
6.036		1007850	1786549
6.169		221127	217587
6.232		111890	85687
6.252		504290	419338
6.406		1394594	1328242
6.45		66945	55843
6.535		2927	3312
6.607		408796	401120
6.652		10270	13037
6.753	DCB	10831030	11508400
7.019		1439	582
7.227		7542	7188
7.301		37299	99022
7.434		1283	434
7.497		1544	601
7.527		1670	1203
7.598		1259	893
7.708		1128	298
7.802		1491	502
7.846		1747	1189
7.885		1381	340
7.946		1575	609
8.064		1502	284
8.166		2025	756
8.245		921	297
8.269		1744	703
8.309		993	389
8.583		1657	530
8.608		1122	349
8.654		1894	459

LANCASTER LABORATORIES

Sample Number: AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:14:49 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0115.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.614		1193	5224
1.913		5590	16851
2.011		1874	5892
2.047		61273	64949
2.125		86717	149383
2.177		20219	15211
2.397		2277	4052
2.426		13409	11361
2.657		4651	3117
2.674		63034	54116
2.747	TCX	13589430	9499527
2.79		77129	53929
2.919		230834	184088
2.968		85778	43194
2.981		164163	90577
3.034		1093243	814960
3.086		28201	17885
3.146		152488	110385
3.243		1451514	1601115
3.295		163169	107141
3.318		80261	49482
3.344		88933	51969
3.367		1358383	1028031
3.404		56774	36002
3.432		24908	12483
3.45		310506	178282
3.466		166823	85671
3.517		604178	310155
3.526		1464469	702376
3.546		21531	5697
3.561		1380904	1066056
3.636		1508344	1051317
3.67		996231	659144
3.694		1051092	637365
3.713		273027	142605
3.804		1217842	914763
3.828		423198	254522
3.85		410710	275088
3.881		260441	142827
3.9		907446	648024
3.943		371175	302567
3.991		65727	61208
4.015		234861	149344
4.037		1341074	989784
4.064		243227	157973
4.085		30872	14237
4.103		140550	96621
4.141		1112268	885193
4.178		47670	31211
4.194		87790	63043
4.257		10019	11980
4.285		131644	172938
4.329		8902	4667
4.353		292365	233974

4.399		250518	163266
4.418		133040	76386
4.431		749224	470377
4.458		445462	458302
4.512		2520641	2228993
4.558		45042	38566
4.585		214976	153447
4.61		533894	419990
4.654		3033468	2607408
4.762		2530846	2589197
4.819		310038	291941
4.858		647011	626049
4.895		2911930	2668499
4.928		1440023	1147583
4.969		1005065	878229
5.034		4753	4710
5.072		346833	400324
5.125		1895708	1660286
5.149		201988	132020
5.199		1043515	999882
5.235		490952	398582
5.264		345517	315918
5.296		78431	46420
5.318		4540665	4160543
5.359		79768	61021
5.394		263335	232051
5.512		35310	23537
5.534		947096	834878
5.579		3176632	3579967
5.736		198259	184158
5.777		70207	52162
5.804		201877	179601
5.852		559432	532098
5.956		1165353	1078104
5.989		54571	40623
6.157		385509	390797
6.317	DCB	10123270	9913305
6.766		7496	7012
6.945		1668	1117
7.505		1367	1447
7.639		2411	4801
7.703		1739	2126
8.128		1146	3584

AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082

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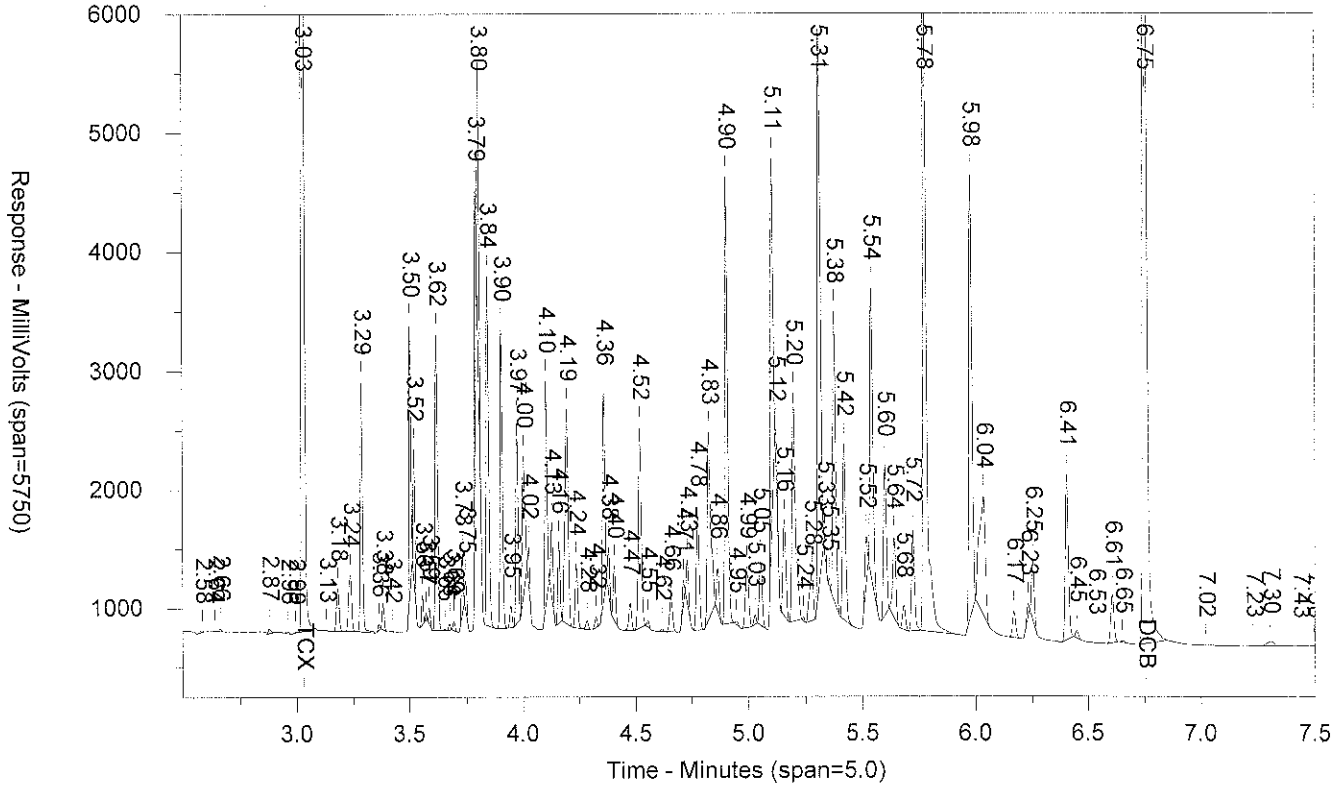

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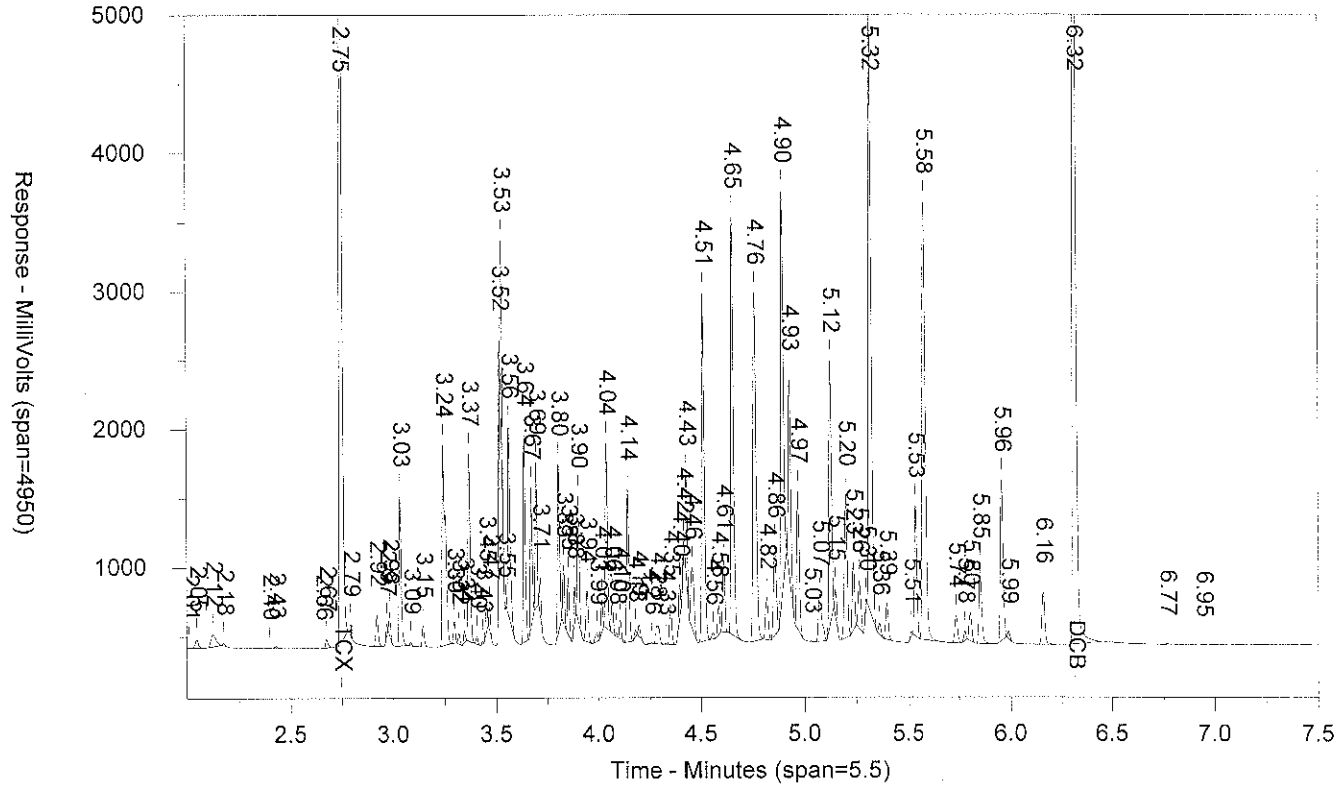

LANCASTER LABORATORIES

Sample Number: AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:14:49 PM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	27977910	44.063	TCX	2.747	13589430	44.769	TCX
6.753	10831030	42.437	DCB	6.317	10123270	43.873	DCB

Files:
Area File: 07PCBS17292003.0115.RAW
Area File: 07PCBS17292003B.0115.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 5:23:33 PM
File Reported On: 10/24/2017 at 7:37:28 PM

AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082

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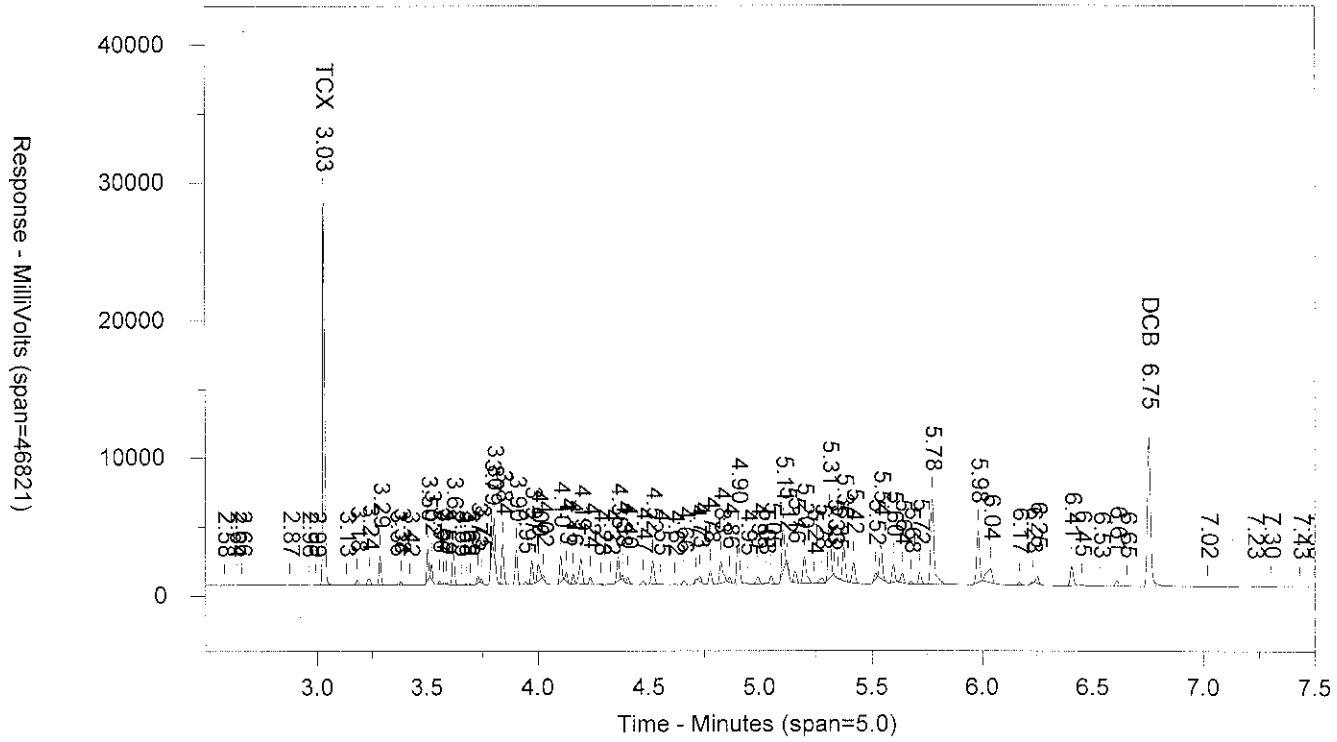

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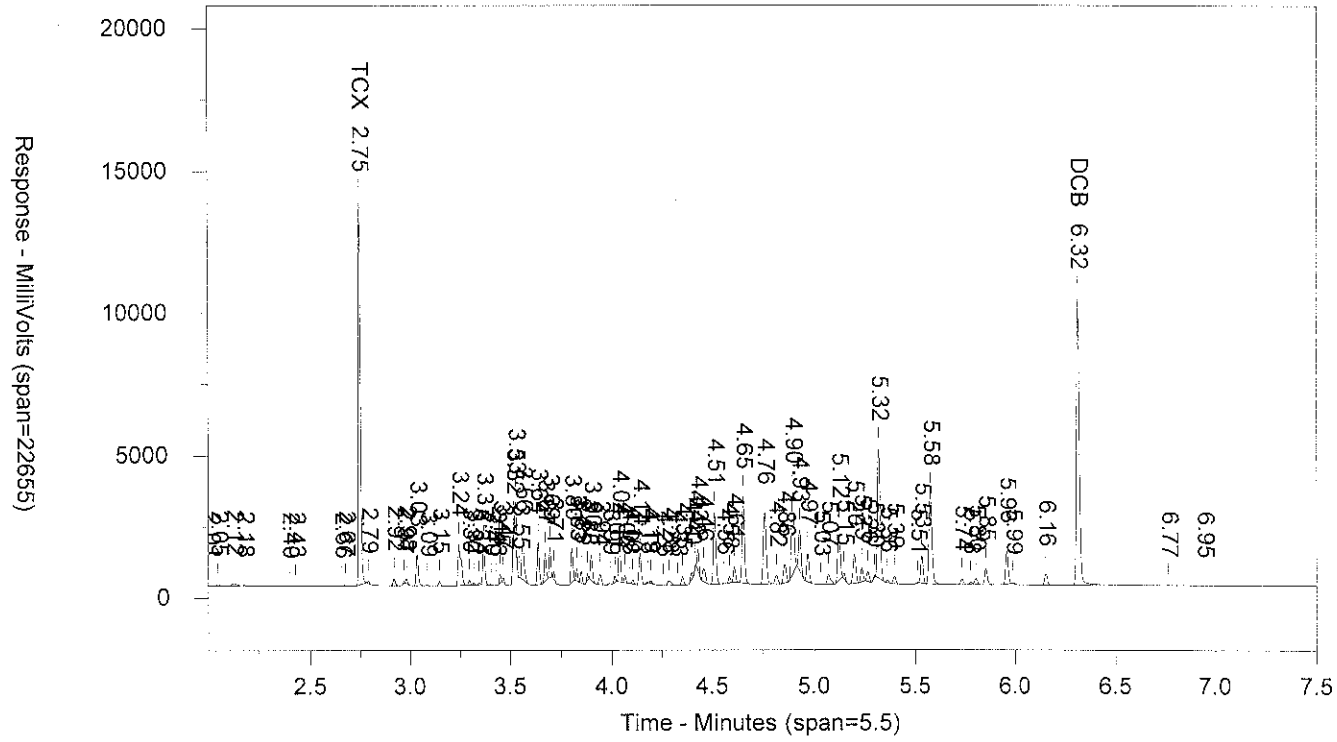

AR1641724B PGAR164PG CCAL 1729599999 10225 SW-846 8082

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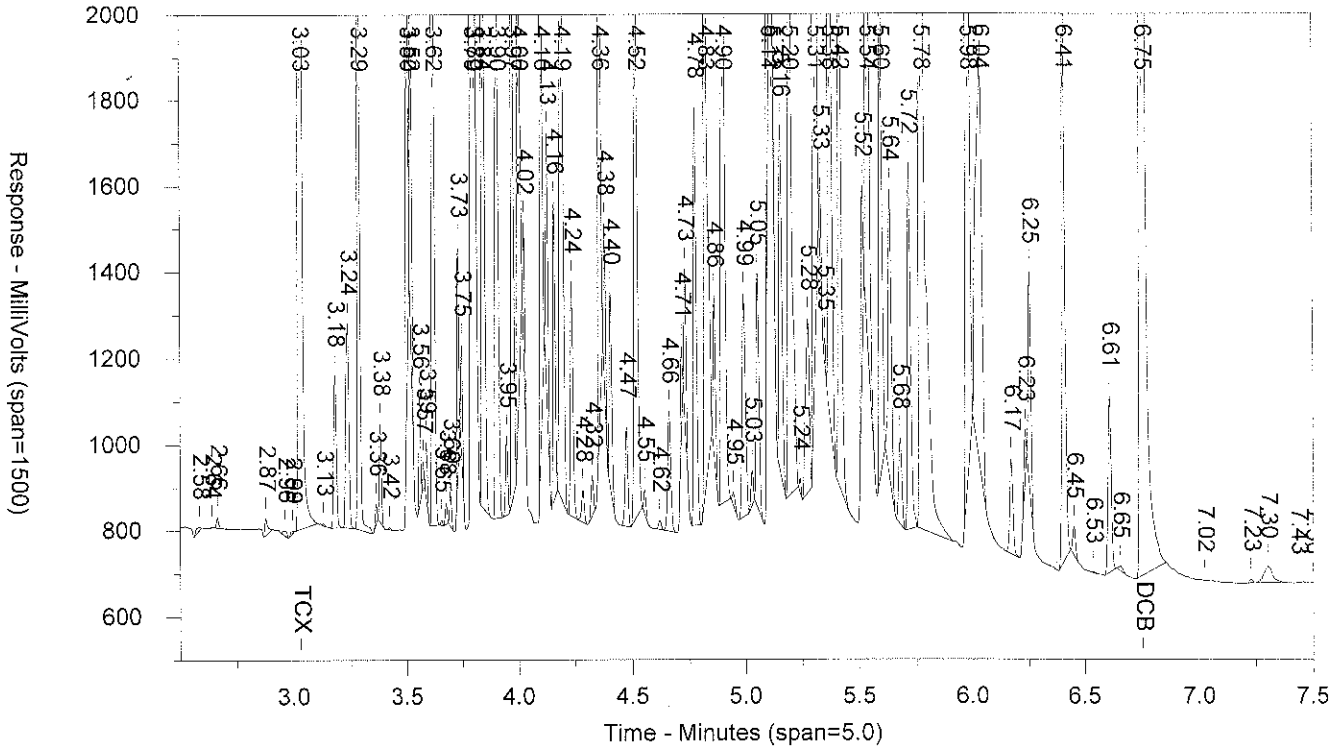

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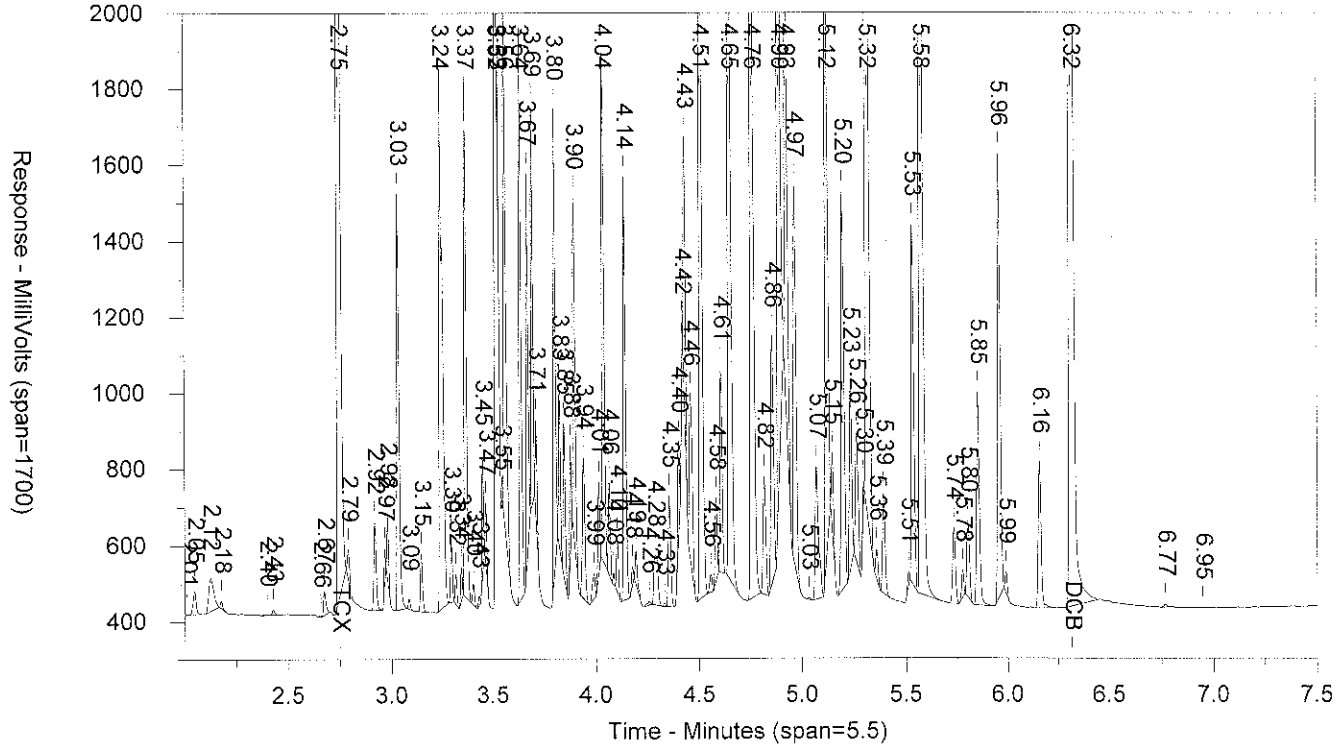

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:26:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0116.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.664		26500	105375
1.81		5234	3914
2.132		42805	116359
2.183		185551	386885
2.24		33903	62570
2.315		62283	45268
2.41		29254	19694
2.426		23786	15745
2.465		5220	5471
2.584		15736	30453
2.637		4614	2979
2.875		36803	31678
2.958		13966	15882
3.028	TCX	14461220	9263651
3.23		169036	108557
3.362		39373	29697
3.501		3814	5751
3.676		32857	24460
3.724		6461	15774
3.779		5433	5066
3.814		3406	2245
3.841		1520	364
3.864		1087	257
3.882		841	137
3.905		2400	1846
3.943		2173	1260
4.048		5053	3960
4.102		1078	509
4.18		2056	2414
4.211		1190	261
4.239		1875	897
4.308		2771	1791
4.355		5092	3947
4.399		2800	4529
4.417		3012	1550
4.514		7985	7454
4.654		4512	4895
4.714		14937	15430
4.754		4246	4159
4.861		2593	2217
4.903		2275	1148
4.99		2762	3389
5.029		54673	53349
5.063		9044	14673
5.119		8932	10788
5.187		4530	4111
5.271		67159	65924
5.312		7222	6447
5.375		2650	1748
5.42		1556	465
5.469		14142	20506
5.532		12448	27179
5.593		12778	31576

RT A	Compound A	Height A	Area A
5.62		1496	813
5.677		59006	55862
5.8		98205	97581
5.893		1815	540
5.933		1640	585
5.98		7196	6610
6.113		2406	3130
6.17		106748	102454
6.235		132693	175033
6.407		20685	34255
6.449		4685	7863
6.479		13654	13449
6.608		56744	59197
6.754	DCB	5239892	5786227
7.228		3116	2346
7.647		1424	735
7.661		1469	648
7.806		1468	939
7.886		1293	729
8.003		1657	875
8.109		1531	443
8.186		1166	1150
8.33		1444	1482
8.456		1302	513
8.472		1410	428
8.57		1531	664
8.661		1948	666

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:26:16 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0116.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.647		3806	21130
1.664		4578	6729
1.835		7045	21309
1.914		7627	29249
2.047		38245	66454
2.125		85063	148803
2.176		9713	7070
2.354		3573	1873
2.395		3505	7549
2.604		1560	928
2.655		3441	1987
2.674		68442	74470
2.747	TCX	6955888	5039497
2.967		86759	61445
3.059		2797	2918
3.085		15700	14528
3.369		2885	6536
3.432		18190	12701
3.465		5890	4632
3.526		3372	3573
3.668		2628	12114
3.876		5739	9808
3.905		4282	4071
4.04		2644	2023
4.106		2978	2902
4.194		5050	7528
4.244		6937	7471
4.329		7124	7584
4.432		16100	36380
4.511		5600	10712
4.63		30052	25174
4.758		3054	2235
4.782		3342	3004
4.816		3393	2686
4.842		4021	3188
4.869		33514	27236
4.929		3504	14088
5.124		3786	3688
5.193		5996	6674
5.271		43639	43994
5.317		5213	5207
5.394		76351	71720
5.579		5299	4928
5.736		95665	90381
5.804		140589	142281
5.855		26120	24795
5.908		1982	3235
6.158		59543	57083
6.317	DCB	5078926	5164624
6.764		4475	3619
6.796		2793	2031
8.096		1682	1747

IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082

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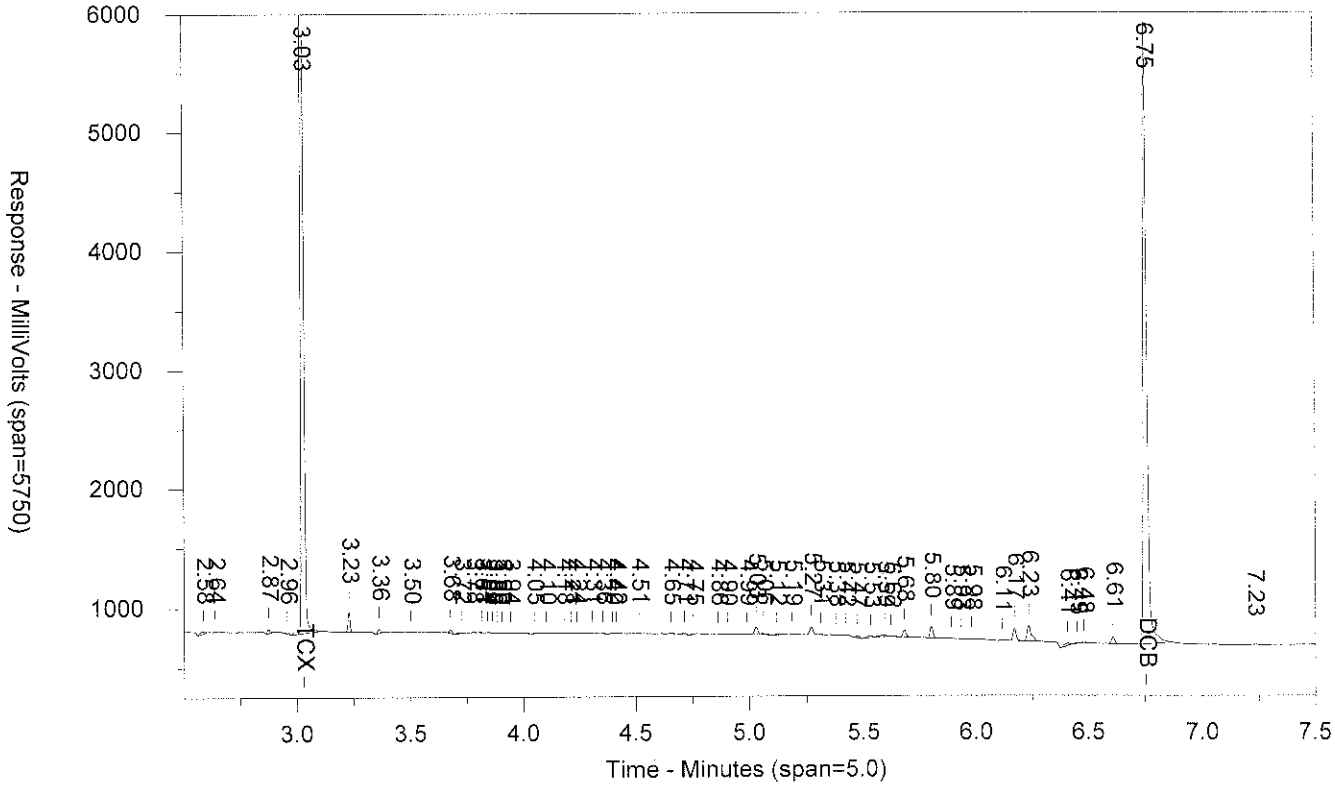

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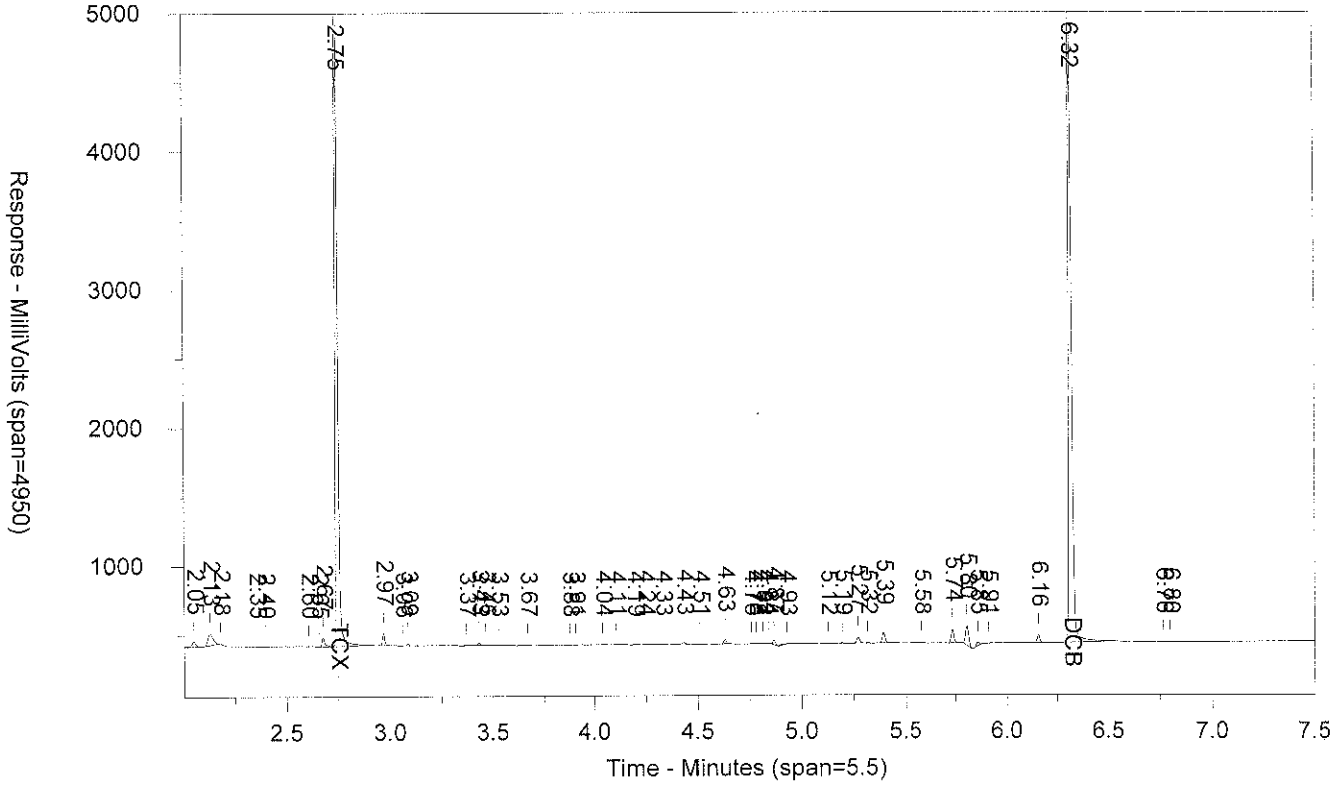

LANCASTER LABORATORIES

Sample Number: IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082
Injected On: 10/24/2017 5:26:16 PM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	14461220	.228	TCX	2.747	6955888	.229	TCX
6.754	5239892	.205	DCB	6.317	5078926	.22	DCB

Files:
Area File: 07PCBS17292003.0116.RAW
Area File: 07PCBS17292003B.0116.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 5:34:59 PM
File Reported On: 10/24/2017 at 7:37:40 PM

IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082

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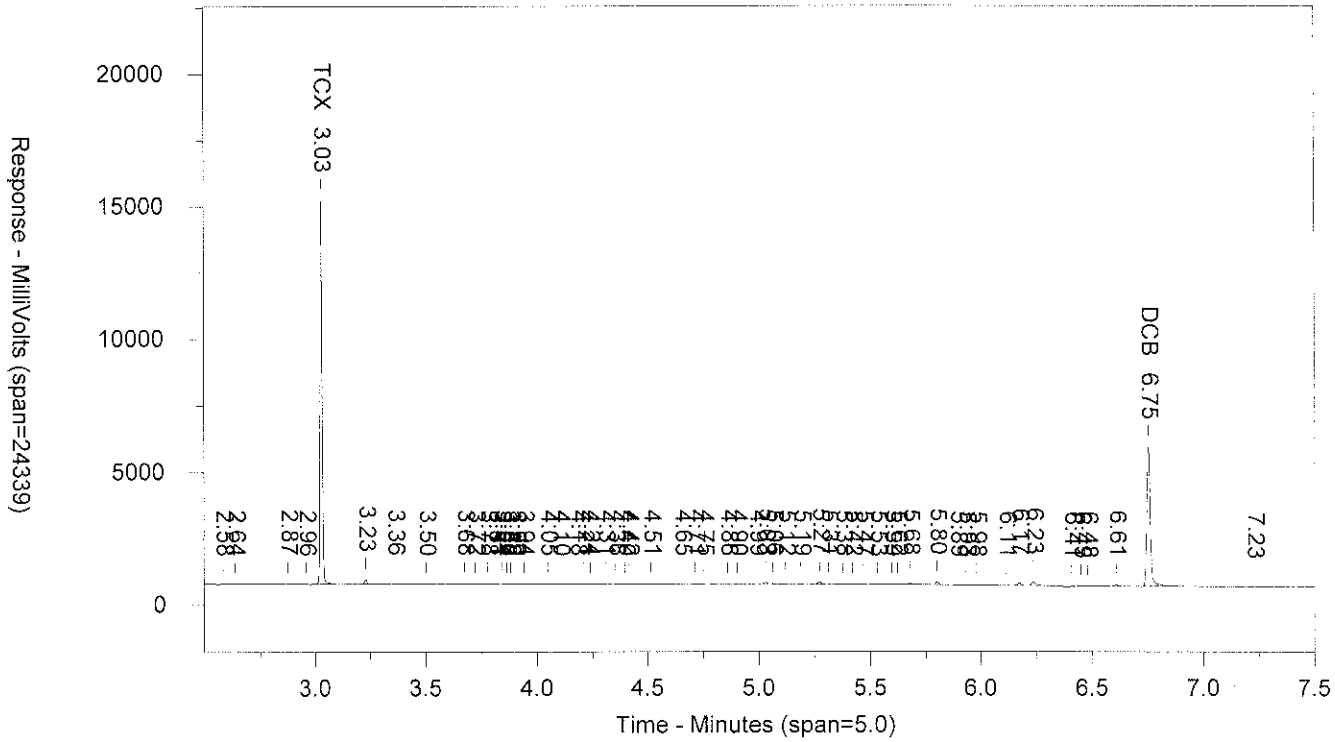

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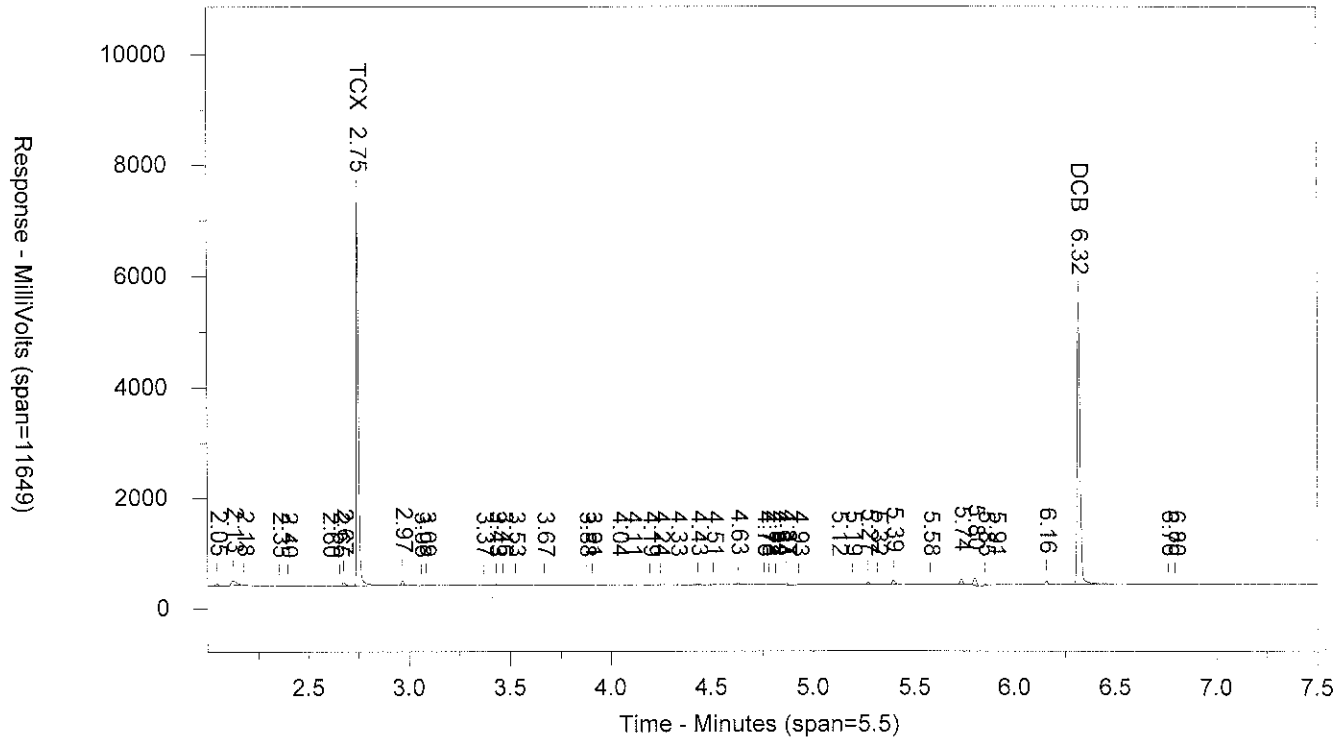

IBLKX1724B YPPIBLKYP PIBLK1729599999 10225 SW-846 8082

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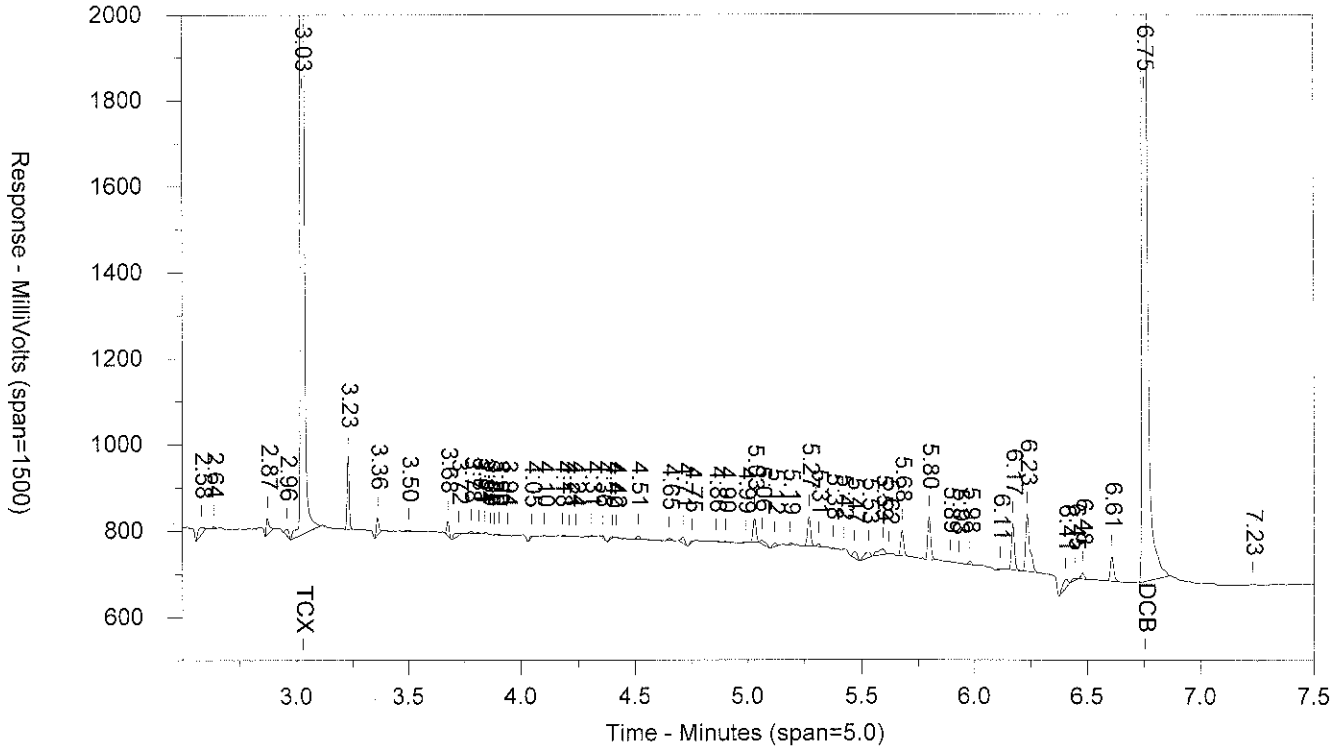

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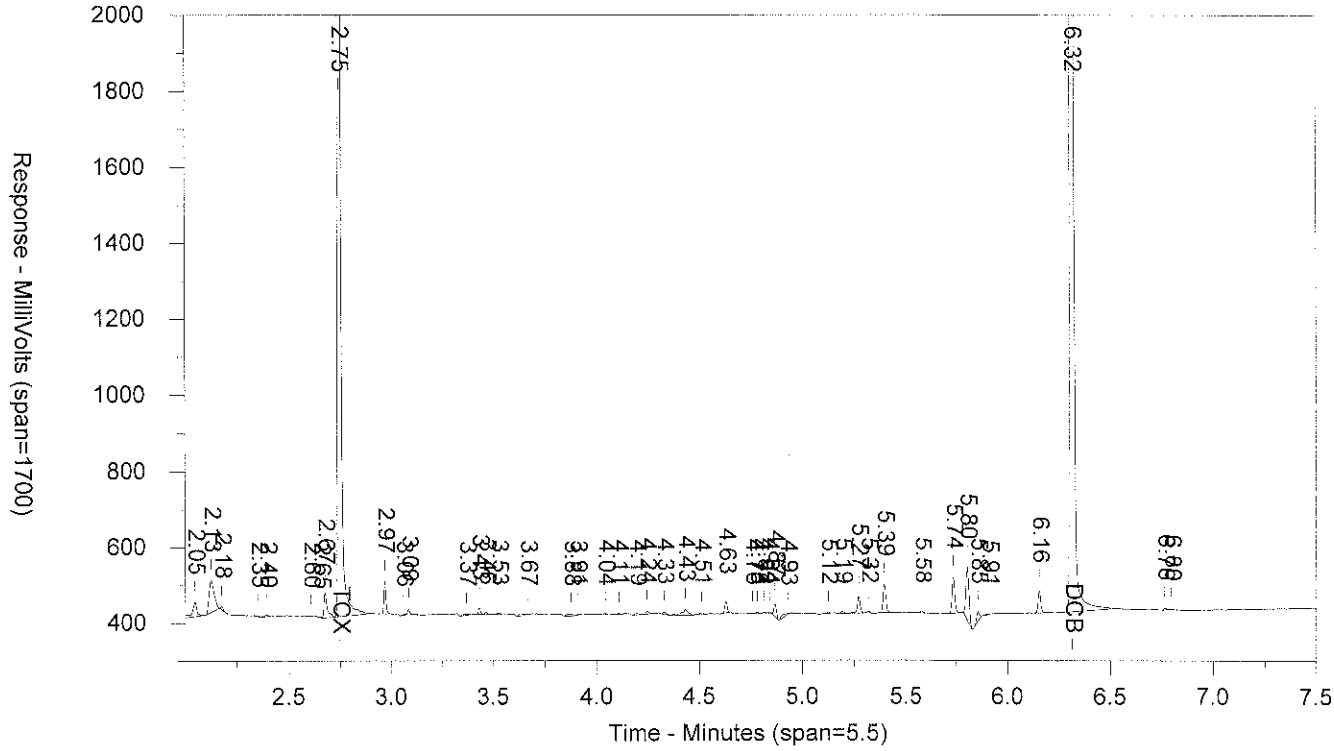

LANCASTER LABORATORIES

Sample Number: AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 2:48:37 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 10c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292005.0024.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.657		15377	76154
1.807		3149	1611
1.994		2418	2133
2.054		2454	1965
2.133		61238	160315
2.178		105014	320013
2.314		141345	167987
2.408		63097	48415
2.425		50486	42016
2.465		9621	13019
2.58		14151	26140
2.637		2234	1842
2.661		21033	14361
2.781		1891	806
2.842		1913	2224
2.874		49757	38633
2.924		4902	4256
2.956		23731	27758
3.027	TCX	28826870	18345570
3.128		4806	2111
3.178		308131	251714
3.235		494056	475231
3.284		2096838	1443031
3.36		55680	33670
3.379		231481	145538
3.42		5350	3563
3.5		2267368	1327269
3.518		1105568	589181
3.555		247956	143922
3.57		54977	22010
3.584		155510	82796
3.617		2642297	1834040
3.651		12303	6353
3.673		60047	38907
3.693		51308	29664
3.729		541431	316345
3.745		273959	142030
3.79		1565238	821647
3.802		2755204	1413633
3.84		3067829	2236730
3.902		2530138	1886898
3.943		179564	127013
3.971		1696309	1223149
3.998		1231707	1025479
4.021		347579	181279
4.099		1866184	1325235
4.124		649530	424717
4.156		677736	497373
4.192		1917228	1824812
4.233		542622	436312
4.28		73754	58905
4.321		96442	77222
4.356		1795914	1288082

RT A	Compound A	Height A	Area A
4.376		401180	222448
4.4		473811	354745
4.47		235826	197127
4.514		1734710	1547302
4.549		33685	22911
4.614		10546	7524
4.657		101363	88265
4.711		180648	125593
4.727		345251	244554
4.773		1018777	879861
4.821		1647458	1766699
4.859		354630	259015
4.899		3704635	3458923
4.989		528398	534018
5.021		29294	18292
5.049		606536	536436
5.102		3142606	2478521
5.117		237732	135501
5.153		847100	735720
5.193		1944092	2142499
5.234		9161	5015
5.274		357507	423437
5.308		4837388	4333596
5.331		203138	101131
5.348		42486	16270
5.372		2561161	2210896
5.415		1532104	1400147
5.462		4970	3636
5.512		415001	337260
5.536		2568740	2202292
5.593		1300043	1145774
5.633		693702	635833
5.674		115792	113738
5.716		866718	818638
5.773		6111110	6677246
5.978		3589649	3400676
6.032		1000142	1768547
6.167		125837	117793
6.227		58003	51589
6.25		546943	467986
6.403		1326575	1305833
6.448		67562	58991
6.603		391192	394452
6.748	DCB	10766700	11391100
7		1340	311
7.098		953	396
7.14		1242	651
7.163		2318	2655
7.196		1406	715
7.223		9888	12227
7.445		7317	12409
7.593		1172	560
7.642		1310	608
7.765		1662	428
8.165		1165	498
8.203		1315	631
8.26		1728	433
8.326		1218	890
8.408		1298	1361
8.612		1397	452
8.683		1361	631

LANCASTER LABORATORIES

Sample Number: AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 2:48:37 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292005B.0024.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.614		3286	12438
1.894		2755	4678
2.002		8268	18087
2.047		67829	79328
2.121		28612	50678
2.175		22106	17659
2.386		4971	11047
2.425		12372	10252
2.489		2060	3457
2.655		5015	2966
2.673		95687	103446
2.746	TCX	13977330	9422820
2.789		79640	55821
2.918		198291	151693
2.967		83667	40829
2.98		160791	86892
3.033		1072966	771299
3.084		29829	18784
3.145		150036	110097
3.242		1456728	1591157
3.294		168531	111280
3.316		74795	45354
3.342		101093	58343
3.365		1367688	1027684
3.402		40944	25482
3.43		27618	12809
3.448		329434	184448
3.464		181131	94000
3.515		635680	310324
3.525		1590520	784287
3.559		1469554	1160399
3.633		1544576	1076218
3.667		1010132	680407
3.692		1022201	636116
3.711		310349	170552
3.801		1300792	940653
3.825		449393	263788
3.847		427775	280795
3.878		237747	131943
3.897		1025640	707556
3.94		378835	307057
3.989		46574	38652
4.012		261626	167961
4.035		1374328	1006619
4.061		270101	173970
4.082		31425	14694
4.101		153348	103532
4.138		1106598	889956
4.175		39096	24744
4.192		81355	63518
4.253		10826	11870
4.29		69915	64771
4.35		289292	234975
4.396		243467	152461

4.415		104171	69032
4.427		725139	467585
4.455		415933	441157
4.509		2453339	2176022
4.557		33227	23981
4.581		229355	165053
4.606		558002	451766
4.651		3186283	2699532
4.76		2389682	2461996
4.815		294622	266201
4.854		655011	615126
4.892		3107781	2765143
4.925		1466345	1157666
4.965		1030031	894075
5.069		347602	400176
5.122		1972304	1632932
5.145		199129	127519
5.196		1029615	990719
5.232		488992	398020
5.26		335016	293196
5.294		83556	51311
5.314		4771170	4133131
5.355		84730	65029
5.39		180448	159996
5.508		38999	25782
5.531		925898	824389
5.575		3094614	3510181
5.732		110983	102351
5.774		77570	62149
5.8		82533	66671
5.849		523895	495858
5.953		1187282	1055324
5.985		62187	46137
6.154		375219	355681
6.314	DCB	9938421	9384577
6.699		1686	2859
6.76		7104	6911
6.999		2566	4820
7.809		1554	665
8.618		3343	19631

AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082

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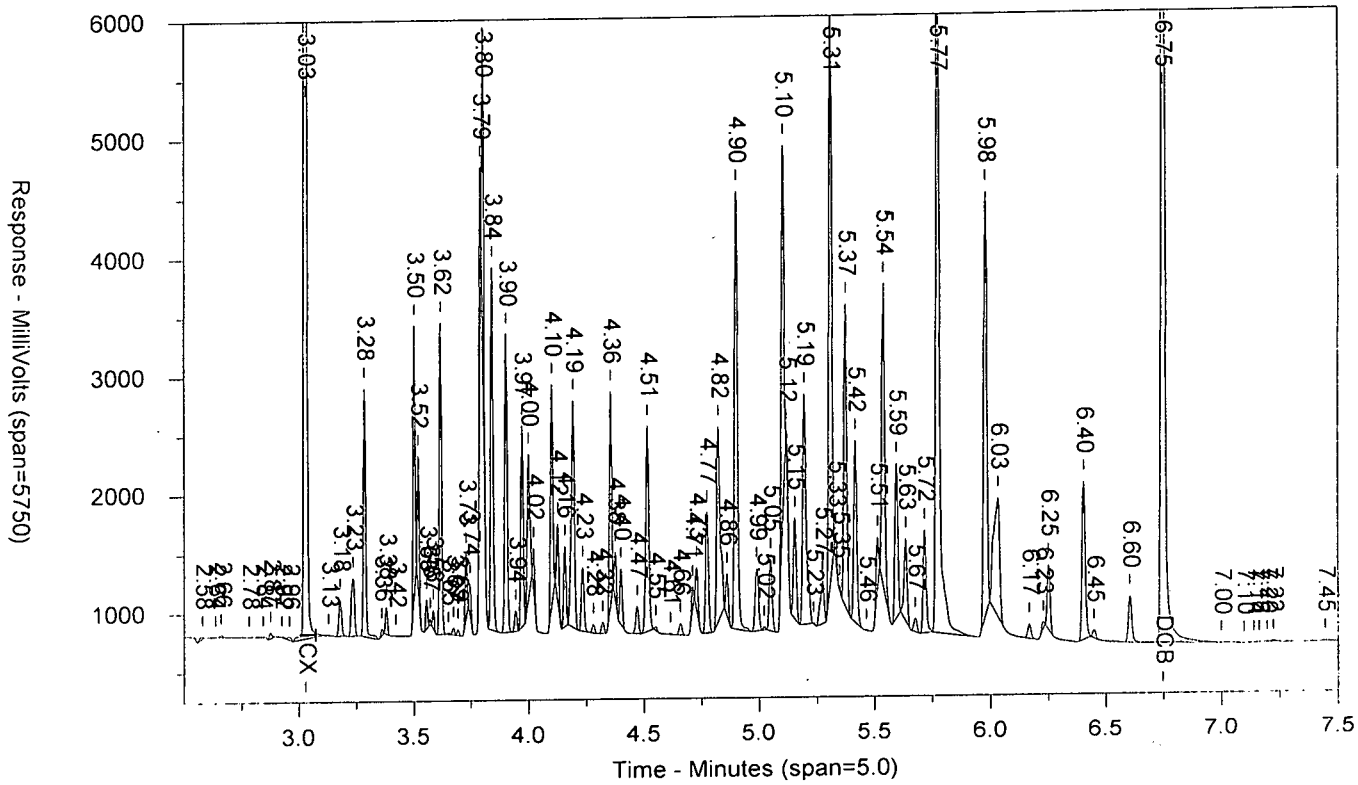

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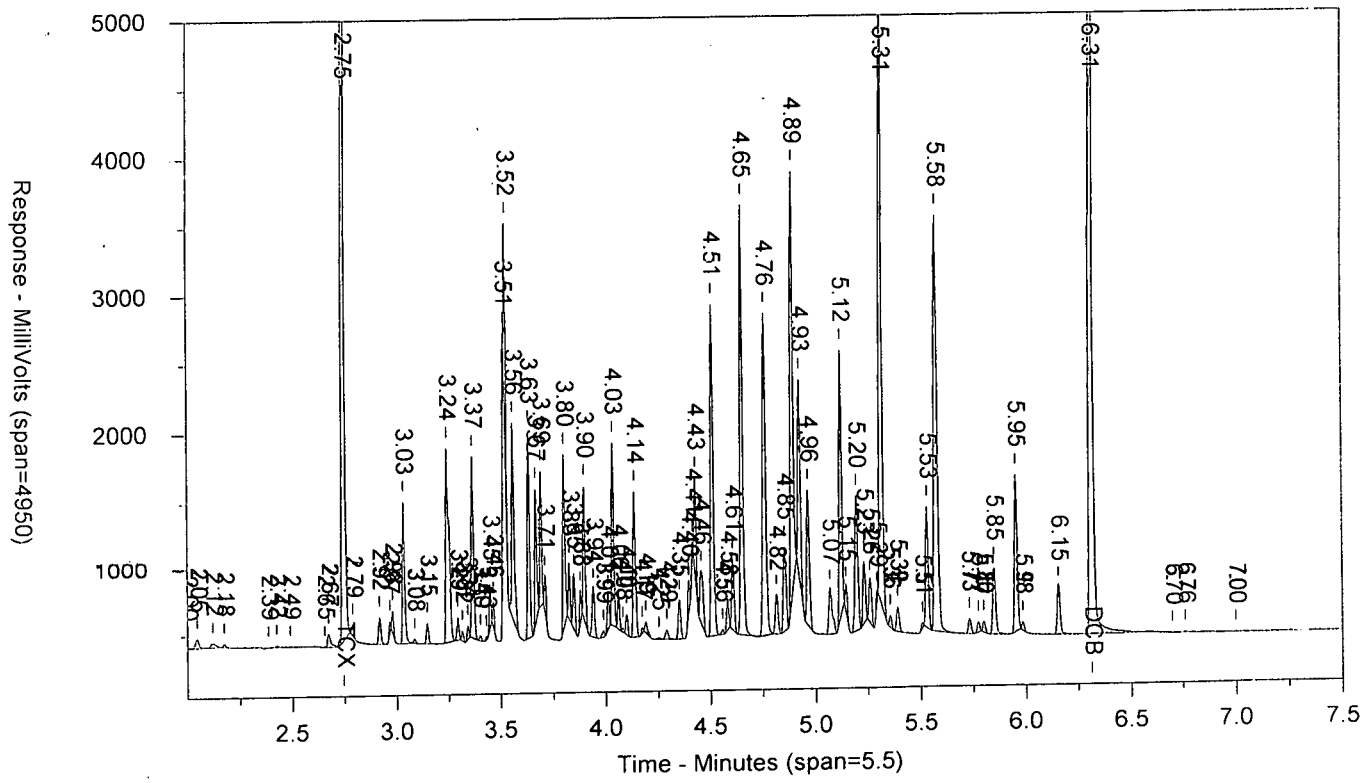

LANCASTER LABORATORIES

Sample Number: AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 2:48:37 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
3.027	28826870	45.4	TCX	2.746	13977330	46.046	TCX
6.748	10766700	42.185	DCB	6.314	9938421	43.072	DCB

Files:
Area File: 07PCBS17292005.0024.RAW
Area File: 07PCBS17292005B.0024.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 2:58:49 AM
File Reported On: 10/26/2017 at 2:58:56 AM

AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082

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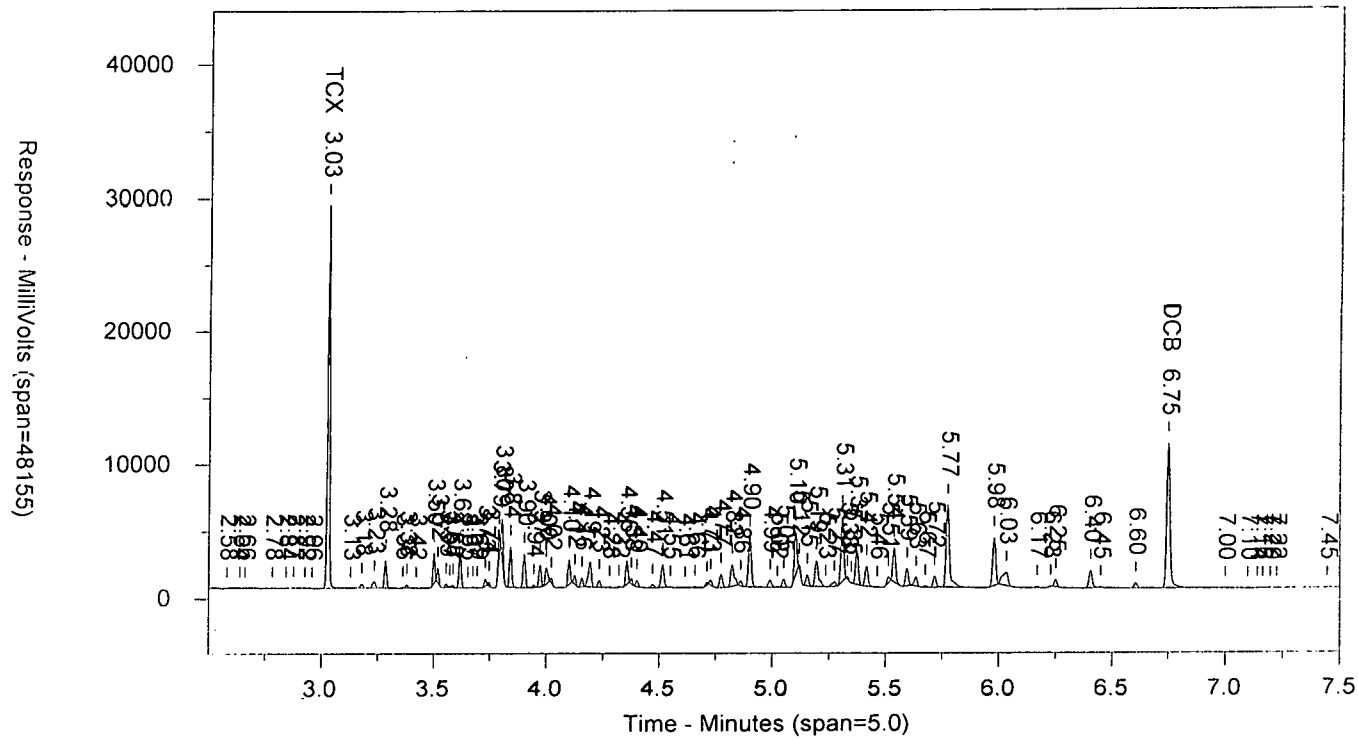

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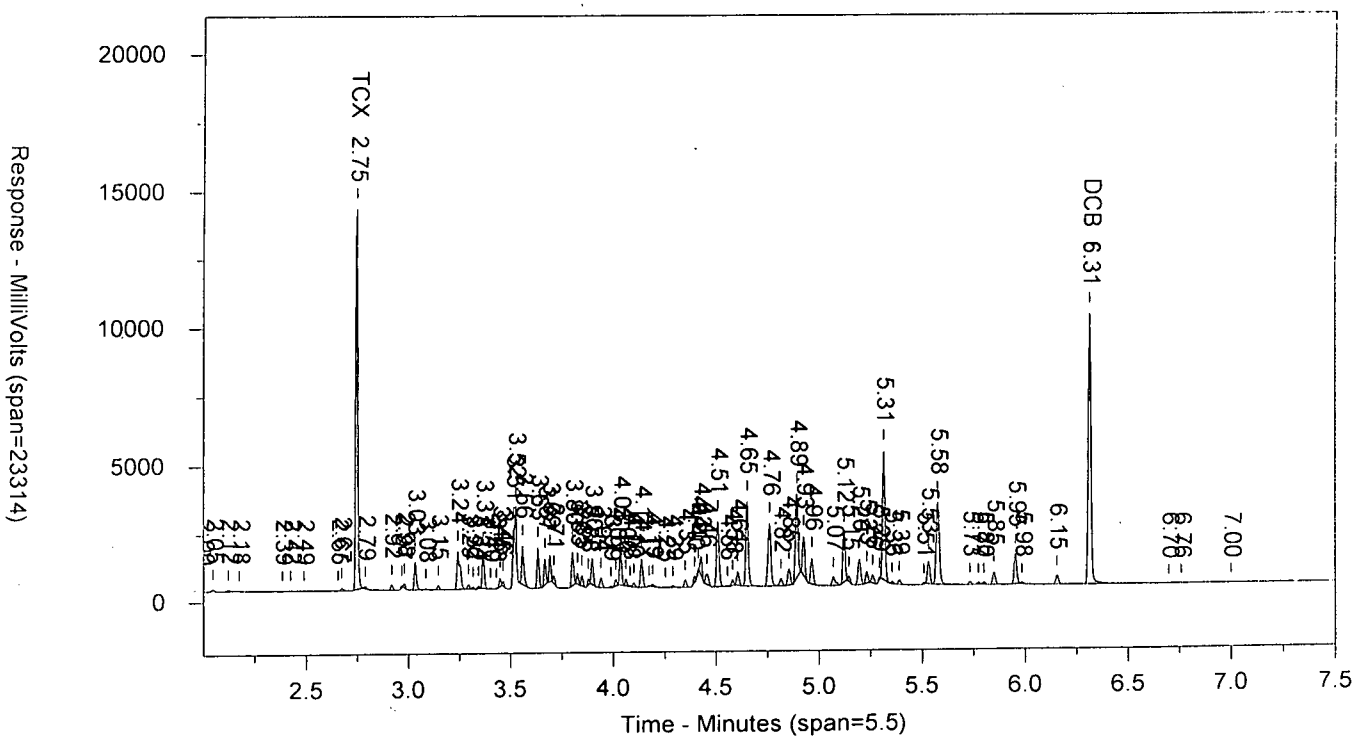

AR1641724B RDAR164RD CCAL 1729799999 10225 SW-846 8082

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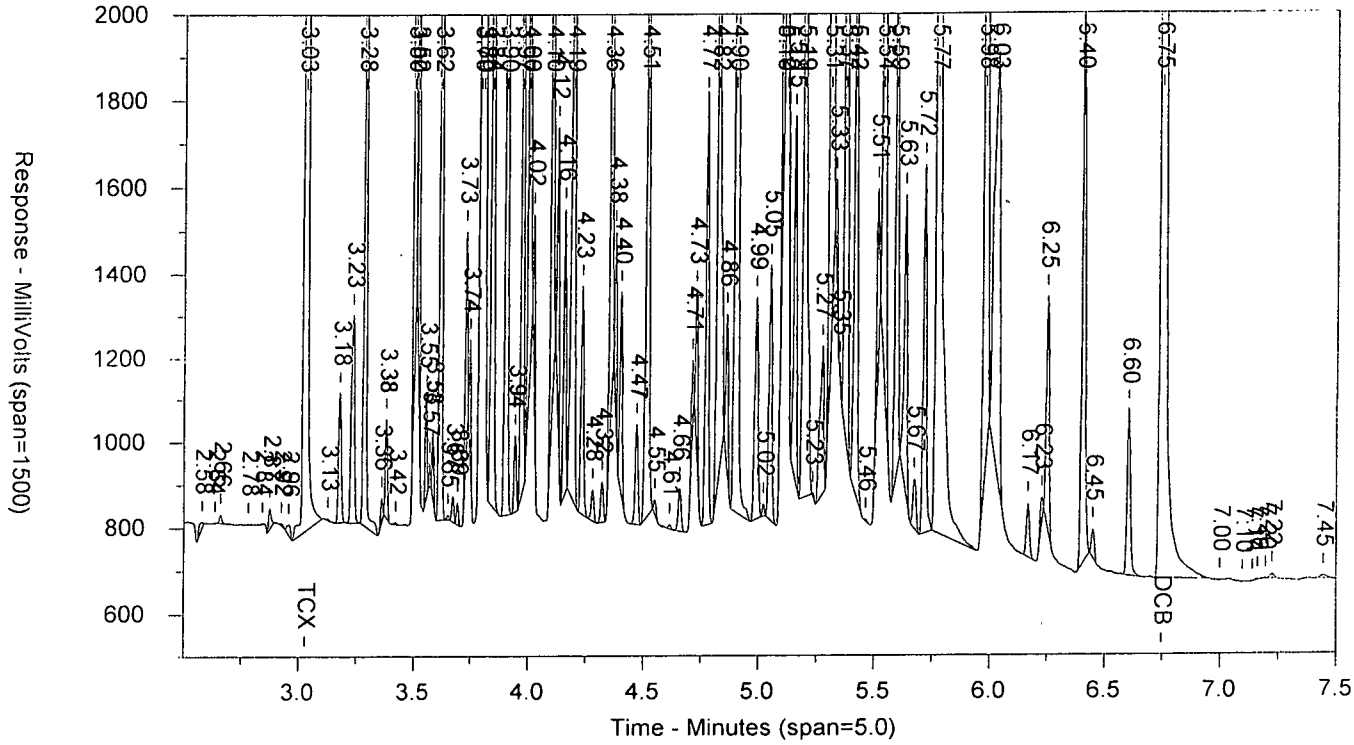

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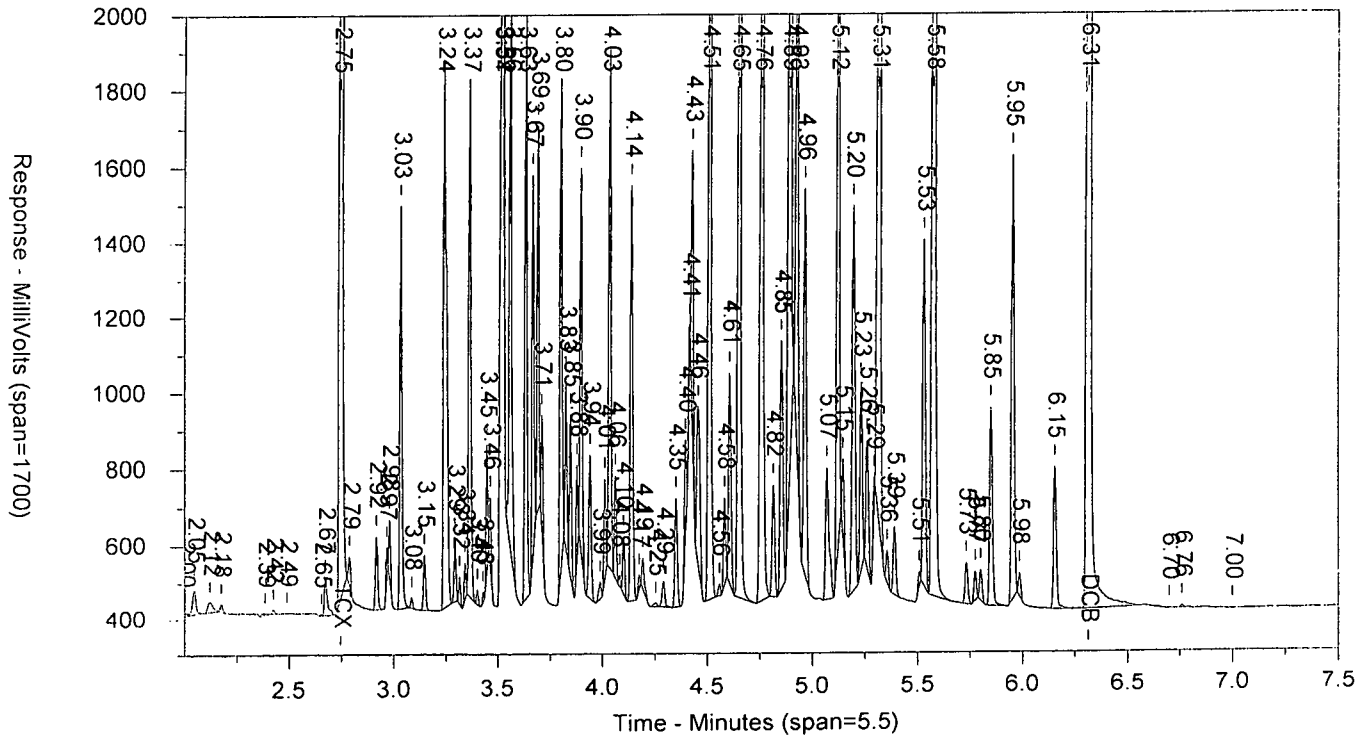

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 3:00:07 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: 07PCBS17292005.0025.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.67		37041	122534
1.732		4400	5603
1.809		3755	2657
1.945		1811	3256
2.044		2336	975
2.132		32145	96928
2.181		75758	151792
2.234		7773	8448
2.315		55878	40057
2.388		3585	4331
2.41		32249	21187
2.426		20999	15189
2.466		6101	4738
2.582		8382	13878
2.639		3235	2147
2.748		3737	2754
2.875		28600	24320
2.96		12393	12284
3.029	TCX	13896850	8941735
3.23		168082	104411
3.362		38537	29438
3.675		35998	25936
3.709		5379	6830
3.77		20208	18387
3.813		3311	1858
3.856		940	252
3.878		864	535
3.901		1742	611
3.923		1080	293
3.93		1939	467
3.941		1404	512
3.965		1223	474
4.006		1338	667
4.047		3482	3808
4.155		1812	1639
4.211		4030	3861
4.285		1169	517
4.311		4019	2739
4.393		3386	3941
4.418		4092	3621
4.483		1196	457
4.512		3854	2581
4.713		6943	5977
4.755		3217	4410
4.776		2390	716
4.809		1336	380
4.854		2354	1453
4.879		1530	658
4.9		4362	4329
4.983		1113	320
5.029		4111	4562
5.058		5609	10864
5.118		4901	5385

RT A	Compound A	Height A	Area A
5.152		2084	1152
5.186		6448	5839
5.269		7865	8655
5.305		3851	3254
5.471		5421	7429
5.498		1724	565
5.516		1749	1256
5.534		2122	1546
5.583		46067	52923
5.676		5223	4612
5.768		4609	3193
5.798		18107	18928
5.885		8366	8016
5.921		1715	715
5.977		4489	4470
6.168		39002	38504
6.233		35144	42577
6.35		15734	55862
6.405		3152	5261
6.605		39233	37338
6.713		1203	380
6.75	DCB	5325581	5664997
7.016		1529	449
7.037		2206	3526
7.225		4372	3724
7.269		1724	383
7.414		1648	815
7.439		1460	409
7.518		1552	1250
7.753		1356	476
7.804		1461	575
7.822		1060	486
8.13		1378	1002
8.215		1167	1057

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 3:00:07 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: 07PCBS17292005B.0025.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.601		2050	4962
1.888		5157	5435
1.913		8185	22429
2.023		4184	12844
2.046		36629	44421
2.124		33804	56065
2.175		10621	9519
2.354		3254	1906
2.376		3342	5437
2.49		2240	4160
2.602		2609	6715
2.657		3101	1752
2.674		51518	53176
2.747	TCX	6772242	4783462
2.967		85371	59190
3.085		17745	18535
3.258		1721	2831
3.319		5992	5378
3.364		3114	6864
3.431		21149	14119
3.464		4257	3032
3.498		8722	12648
3.589		4345	5544
3.637		2525	4724
3.707		2069	2821
3.872		4231	8356
3.91		1769	2287
3.935		4548	3326
4.102		3646	4036
4.193		3794	8197
4.244		6892	6821
4.382		1593	2395
4.419		3937	7805
4.629		2165	3681
4.778		4639	5502
4.84		6335	6464
4.891		2874	2713
5.044		74604	80861
5.271		3430	3122
5.313		3624	3040
5.392		12688	12428
5.552		25857	44216
5.613		16896	44992
5.678		2064	3538
5.734		35307	33343
5.801		30438	31012
5.849		4728	5377
6.155		40016	38636
6.315	DCB	4909256	4723915
6.764		4349	4087
6.939		1461	2677
7.12		1989	5277
7.561		1438	2552
8.62		5287	24481

IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082

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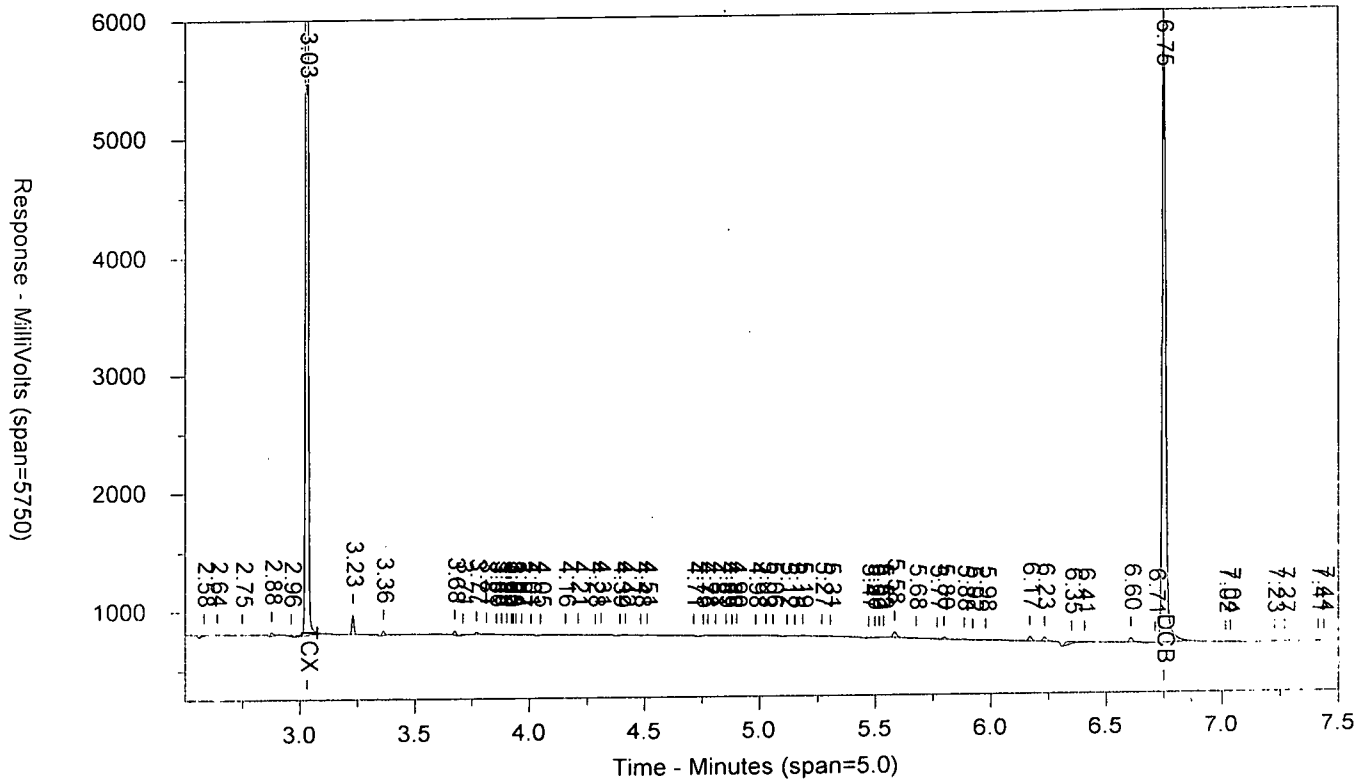

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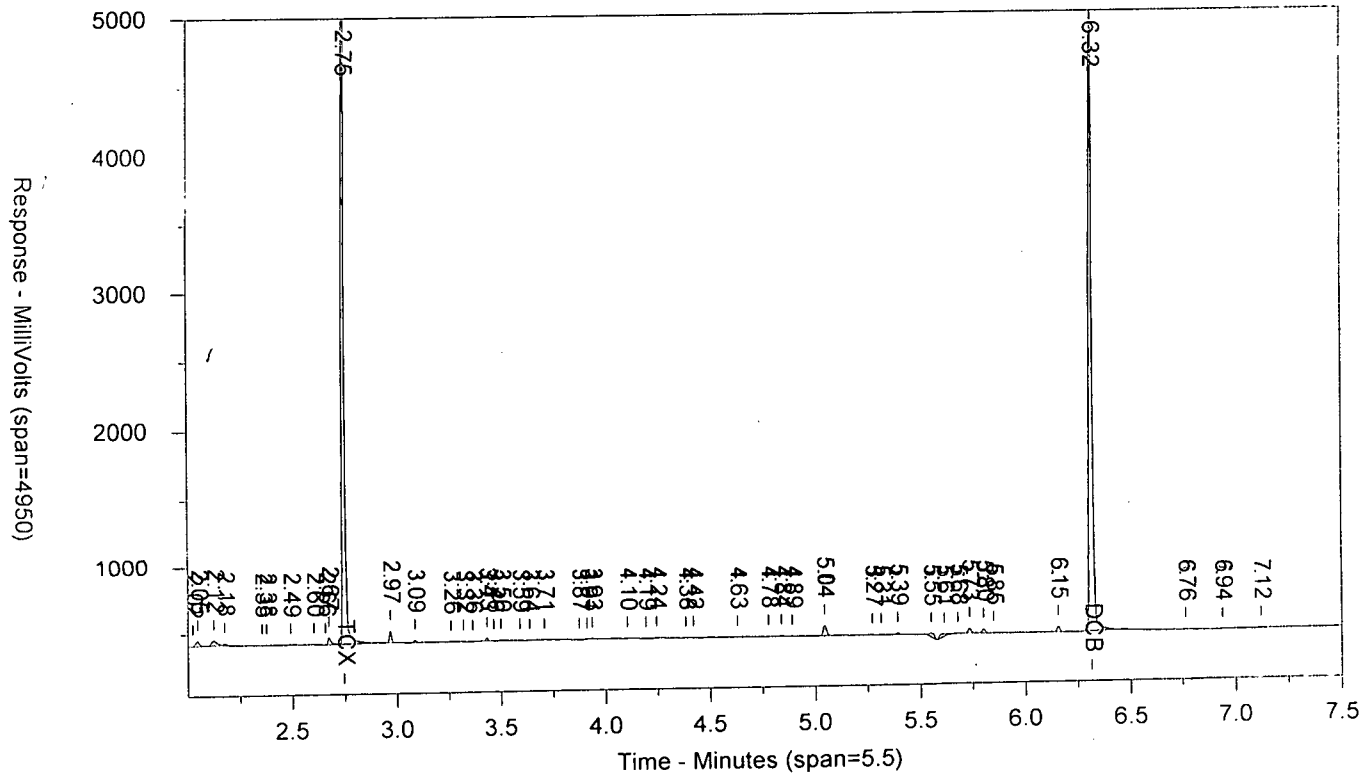

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 3:00:07 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
3.029	13896850	.219	TCX	2.747	6772242	.223	TCX
6.75	5325581	.209	DCB	6.315	4909256	.213	DCB

Files:
Area File: 07PCBS17292005.0025.RAW
Area File: 07PCBS17292005B.0025.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 3:08:50 AM
File Reported On: 10/26/2017 at 3:08:56 AM

IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082

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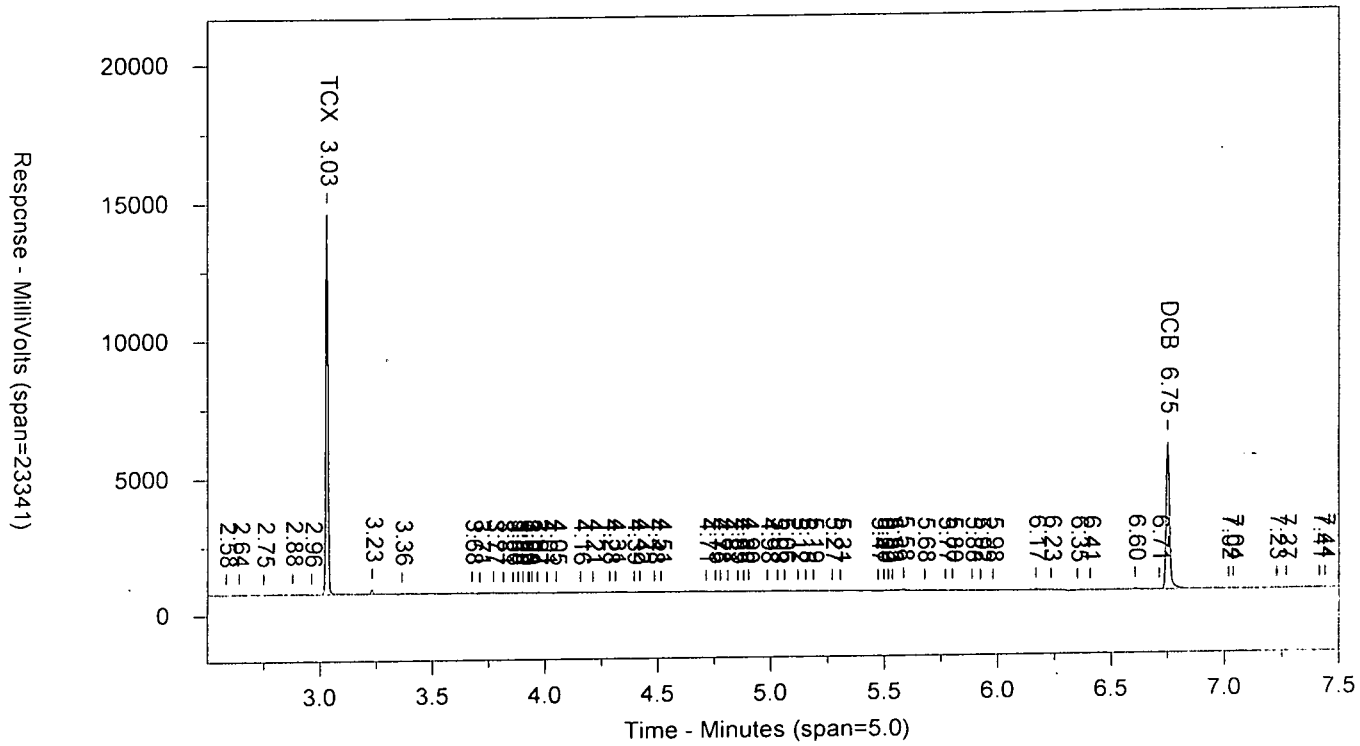

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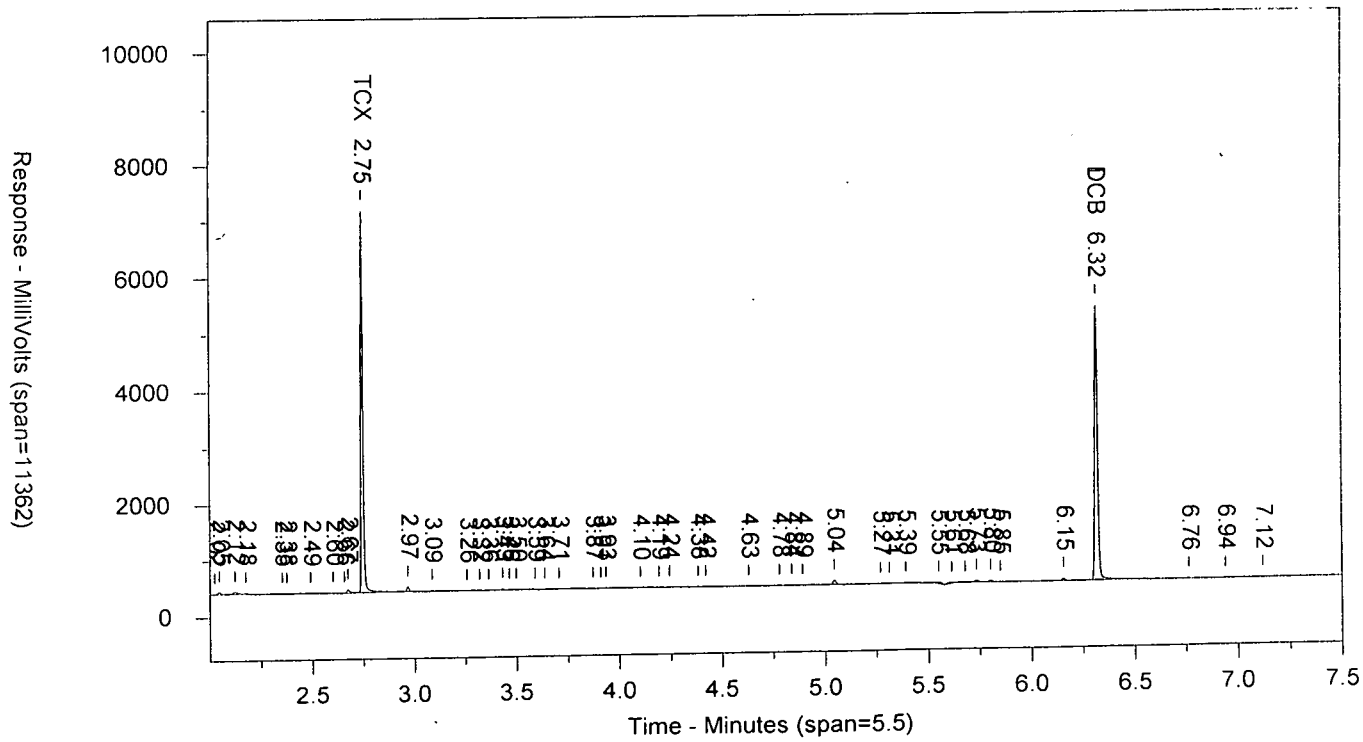

IBLKX1724B AVPIBLKAV PIBLK1729799999 10225 SW-846 8082

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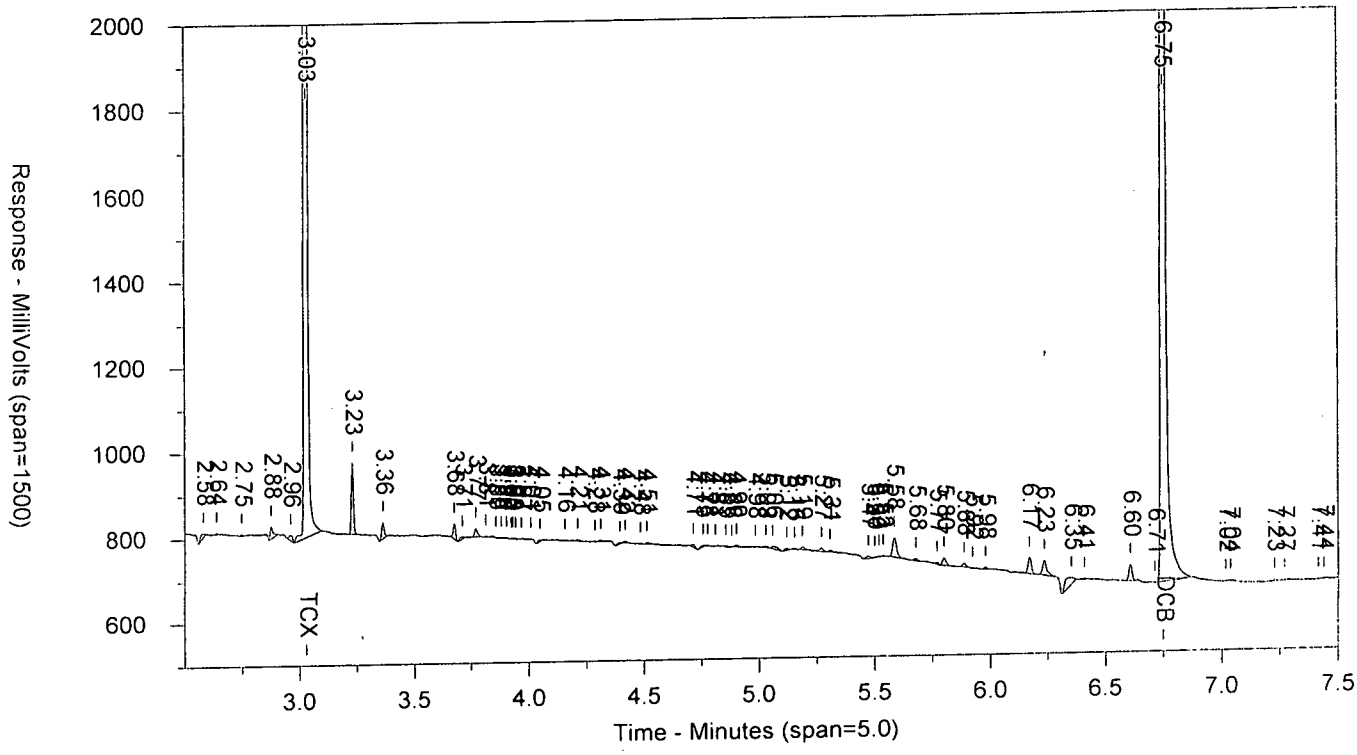

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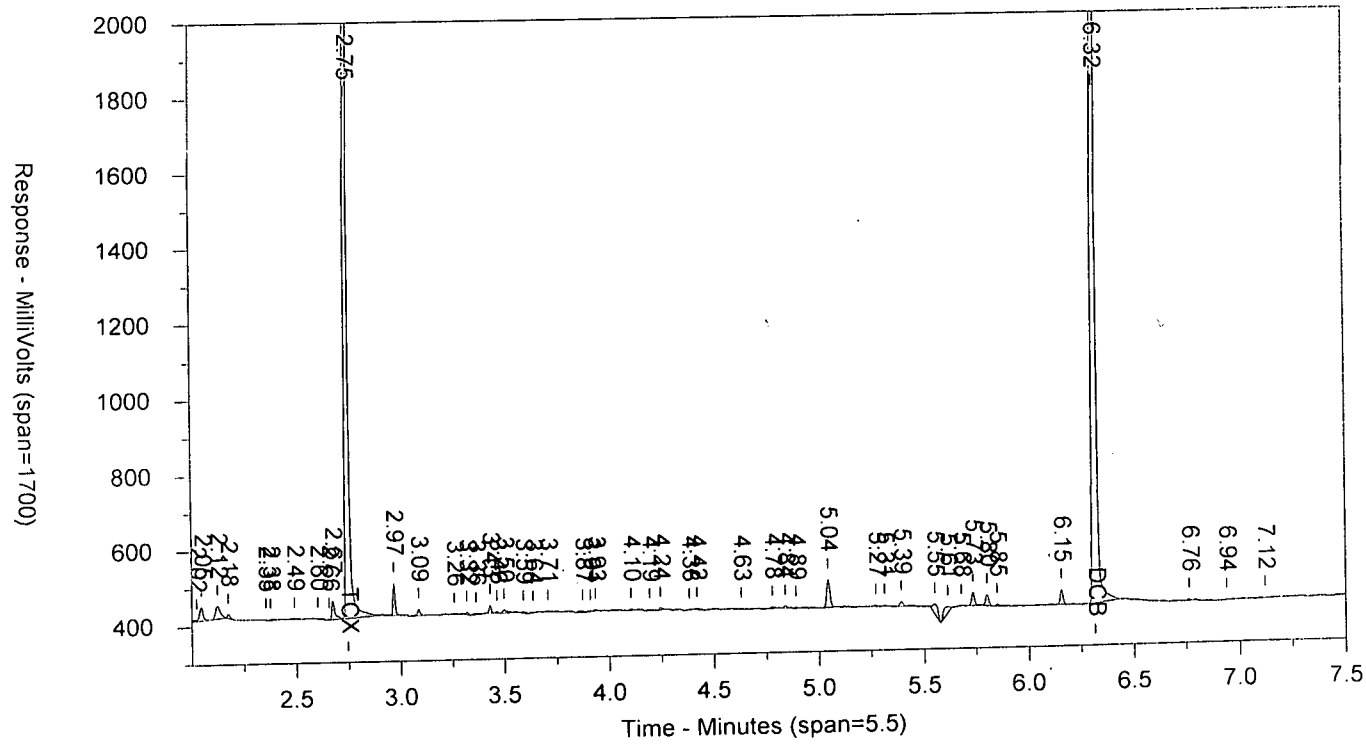

LANCASTER LABORATORIES

Sample Number: AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:00:18 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: 07PCBS17292005.0046.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.641		6430	9643
1.81		3403	2078
1.955		2012	2472
2.122		17338	30747
2.176		52133	111558
2.24		4718	4093
2.315		113575	80075
2.409		47128	29970
2.426		42244	28657
2.463		7695	10219
2.577		7934	9724
2.636		5381	3583
2.661		21050	13473
2.875		33236	23402
2.987		4030	3564
3.028	TCX	27466350	17859140
3.129		4690	2342
3.179		310929	258634
3.236		472135	464908
3.285		2061331	1387033
3.361		46826	25559
3.379		231970	142832
3.418		5499	3729
3.501		2220870	1304729
3.518		1093986	576583
3.555		243454	139987
3.571		55999	22842
3.585		149717	77209
3.618		2488163	1757362
3.653		11657	5534
3.674		43232	26525
3.693		60655	37176
3.729		517823	302348
3.745		266374	135150
3.791		1326506	747279
3.803		2806614	1429354
3.842		2869461	2110110
3.902		2376267	1792779
3.944		173912	121288
3.972		1613820	1184028
4		1185928	993748
4.023		368978	199478
4.1		1781977	1284032
4.125		597090	393326
4.157		657079	474272
4.193		1801840	1734238
4.234		529115	420630
4.281		70268	55357
4.322		90423	72624
4.357		1724372	1241075
4.377		405026	229092
4.401		457777	337915
4.472		225700	190433

RT A	Compound A	Height A	Area A
4.516		1603686	1479846
4.55		34944	24274
4.615		12272	9860
4.659		113801	109321
4.712		160836	106674
4.728		390518	266836
4.775		941949	838767
4.823		1514273	1678886
4.861		345628	244674
4.901		3520557	3284020
4.991		481341	502981
5.024		33581	21890
5.051		562932	506960
5.104		2985118	2434626
5.12		297176	176882
5.155		818133	683568
5.196		1826614	1987793
5.239		18009	8771
5.275		341208	405041
5.31		4487816	4043324
5.332		164090	88090
5.35		43339	17442
5.375		2396148	2066594
5.418		1426425	1310765
5.514		380492	315408
5.538		2447657	2082293
5.596		1239965	1074659
5.634		651341	589204
5.676		122540	117694
5.717		791170	765291
5.774		5785562	6273048
5.919		7480	6308
5.98		3475297	3214643
6.034		938601	1656625
6.167		135816	134408
6.229		52656	52194
6.25		496522	428531
6.331		3305	2219
6.347		3562	2477
6.405		1315335	1270109
6.45		72773	61093
6.515		2165	885
6.552		1657	825
6.604		378277	372414
6.642		3980	8980
6.751	DCB	10279340	11003940
7.003		2053	1395
7.104		1920	1795
7.122		2435	2137
7.157		1965	1628
7.226		6740	6405
7.299		20330	43502
7.366		1265	830
7.435		1263	648
7.484		1466	405
7.52		1479	1112
7.638		1505	521
7.653		1079	439
7.673		1254	475
7.701		1798	1866
7.848		2126	1363
7.872		1124	481
7.969		1044	722
8.037		1677	424
8.049		1316	521
8.086		1833	2323

RT A	Compound A	Height A	Area A
8.099		1545	566
8.17		1258	588
8.388		1132	333
8.446		1203	1139
8.503		1305	617
8.536		1131	876
8.58		1139	704
8.645		1495	499

LANCASTER LABORATORIES

Sample Number: AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:00:18 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: 07PCBS17292005B.0046.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.609		2803	8014
1.661		3508	4911
1.909		2336	7198
1.997		2857	5030
2.047		64550	72099
2.121		21115	37617
2.175		21813	17702
2.33		1524	1004
2.425		12268	10788
2.487		1895	1392
2.656		3648	2134
2.673		64413	65593
2.746	TCX	14051440	9533171
2.789		80772	56579
2.919		205030	158268
2.967		76873	38837
2.98		152657	83032
3.033		1095476	801272
3.085		30337	19322
3.146		149873	108793
3.242		1403216	1570744
3.294		164660	108275
3.316		74699	44136
3.343		95993	56251
3.366		1345359	1004184
3.402		44034	26364
3.431		21596	10735
3.449		303160	176826
3.465		176740	87749
3.516		448160	290127
3.525		1537095	724049
3.545		18983	5482
3.559		1372797	1042029
3.634		1480159	1044756
3.668		978069	655548
3.693		993017	617416
3.711		289823	156345
3.802		1199146	904270
3.826		421765	252596
3.848		409224	269135
3.879		238032	134185
3.898		1000131	682656
3.941		359268	294858
3.989		44946	40297
4.013		250178	159425
4.036		1345568	975344
4.062		259051	165485
4.082		32720	15013
4.102		148828	102648
4.139		1114451	869300
4.175		39204	24112
4.192		81094	61908
4.255		9891	11346
4.291		77444	77751

4.351		274901	230111
4.397		238513	149306
4.416		133249	81722
4.428		666908	419755
4.456		421113	450335
4.51		2450679	2140469
4.558		31306	24070
4.582		217860	158183
4.608		553247	438266
4.652		2936359	2615578
4.761		2364267	2489192
4.817		279887	262420
4.855		645429	601591
4.893		2999727	2666821
4.926		1393675	1113128
4.967		962319	869022
5.071		351554	394155
5.123		1871862	1584617
5.147		196670	125839
5.198		1000553	960564
5.234		463619	380056
5.262		314250	279527
5.295		73876	48306
5.316		4548269	3967386
5.358		83923	63134
5.392		181417	166371
5.51		35651	24478
5.532		879342	797892
5.577		2992949	3392877
5.734		118811	116349
5.776		79217	61002
5.802		98284	82689
5.851		509694	483473
5.955		1119511	1026005
5.987		59616	44340
6.155		355086	351376
6.315	DCB	9493117	9115851
6.487		3799	5412
6.716		1804	3005
6.762		7129	6184
6.886		1470	2027
7.001		3099	4594
7.133		3056	8655
7.23		2032	5232
8.107		2202	5380
8.417		2077	5424
8.618		4233	9988

AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082

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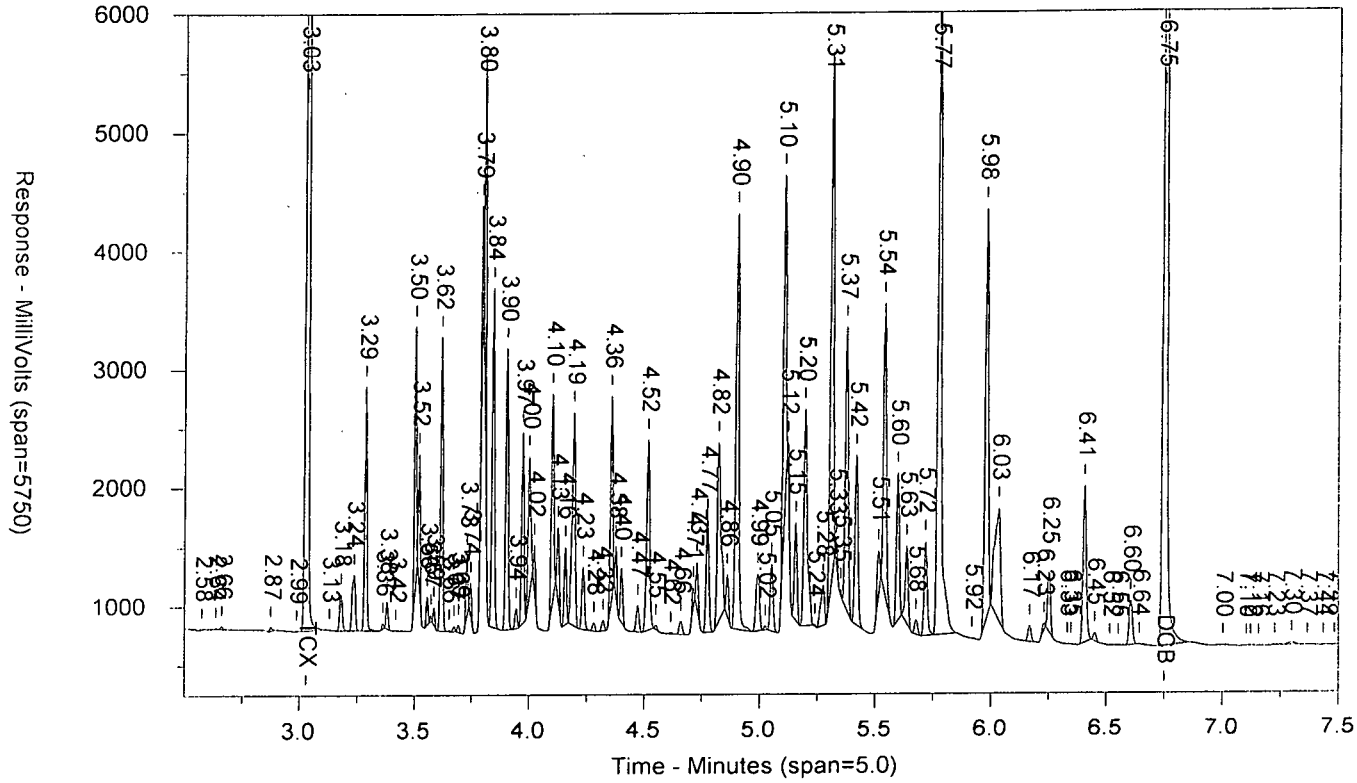

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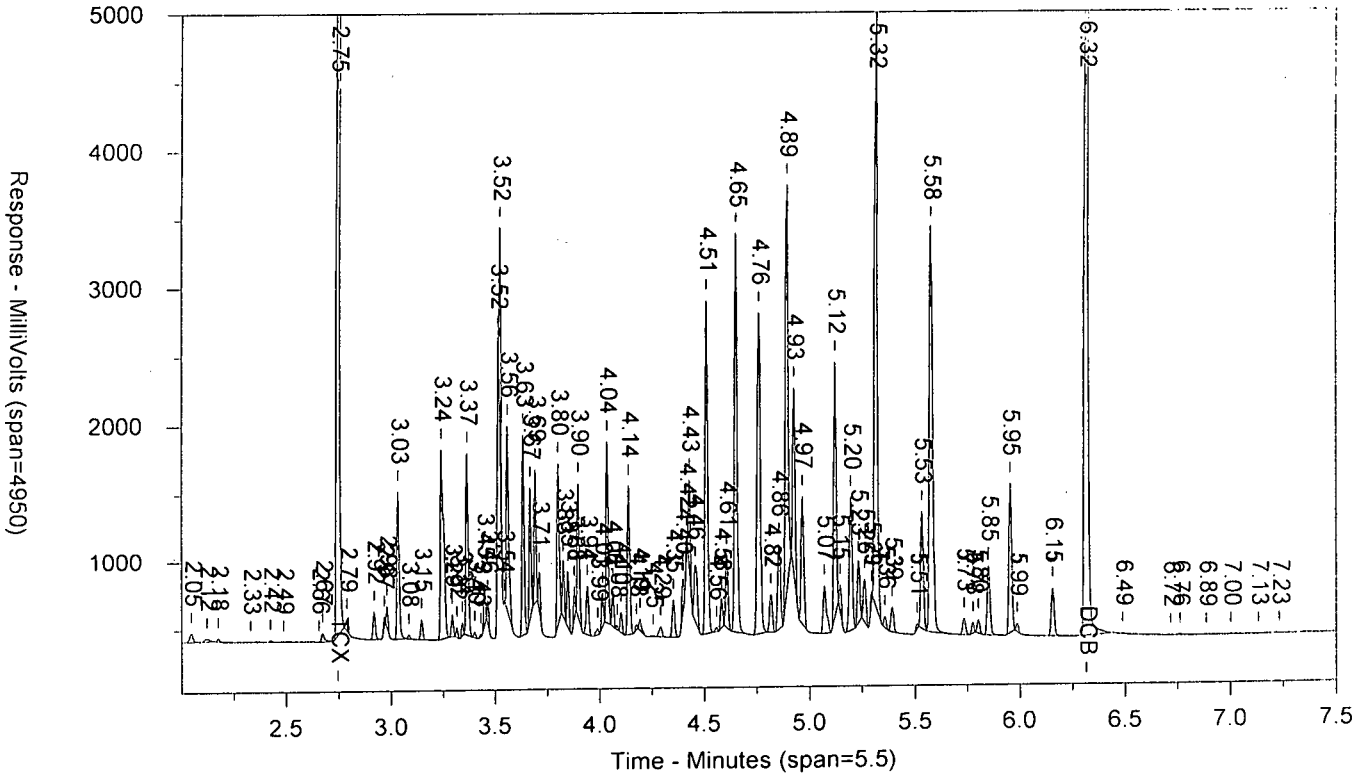

LANCASTER LABORATORIES

Sample Number: AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:00:18 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
3.028	27466350	43.257	TCX	2.746	14051440	46.291	TCX
6.751	10279340	40.275	DCB	6.315	9493117	41.142	DCB

Files:
Area File: 07PCBS17292005.0046.RAW
Area File: 07PCBS17292005B.0046.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 7:09:02 AM
File Reported On: 10/26/2017 at 7:09:20 AM

AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082

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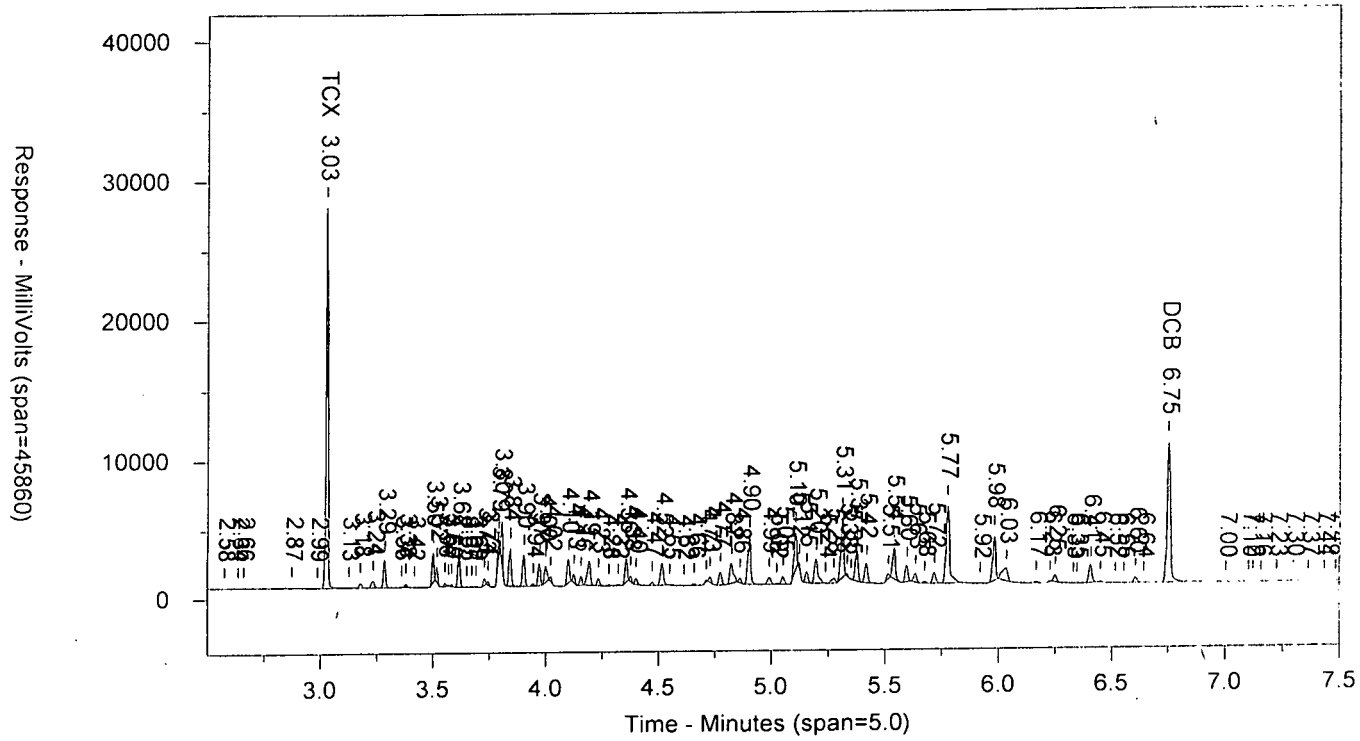

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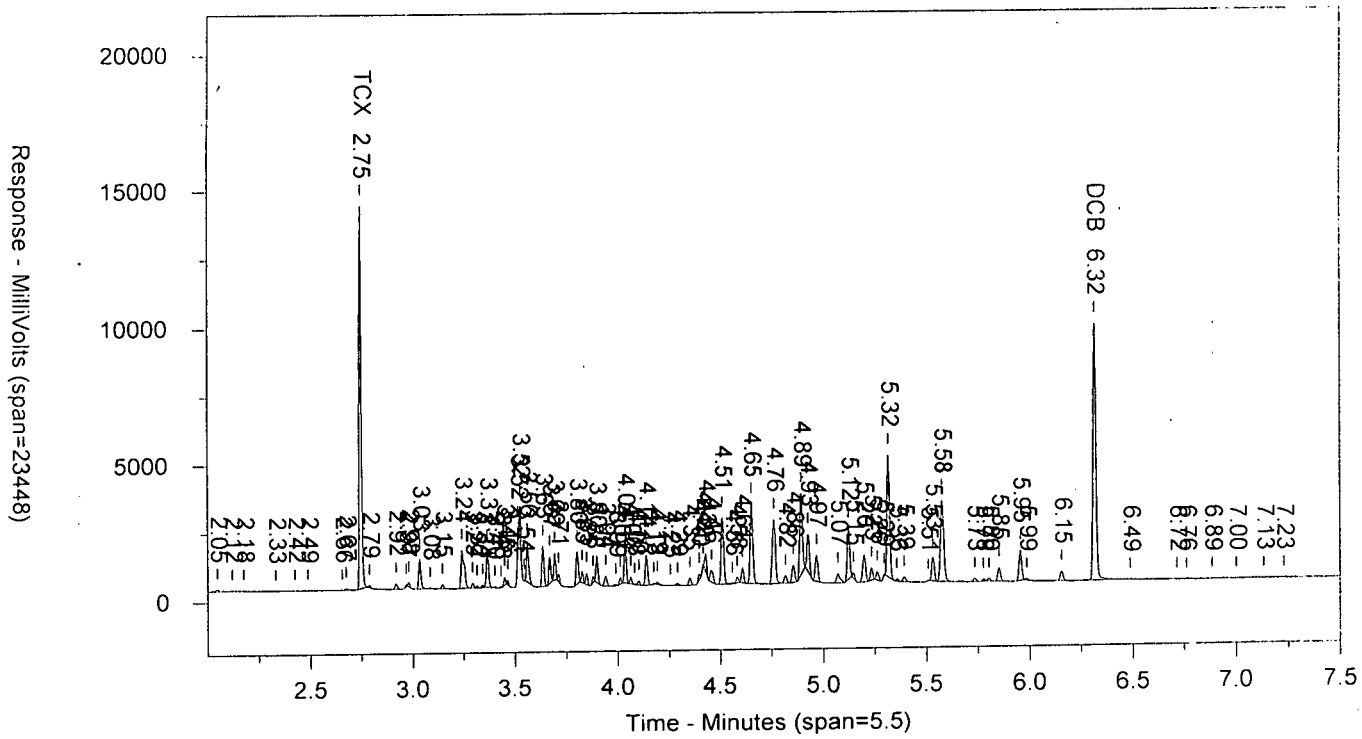

AR1641724B REAR164RE CCAL 1729799999 10225 SW-846 8082

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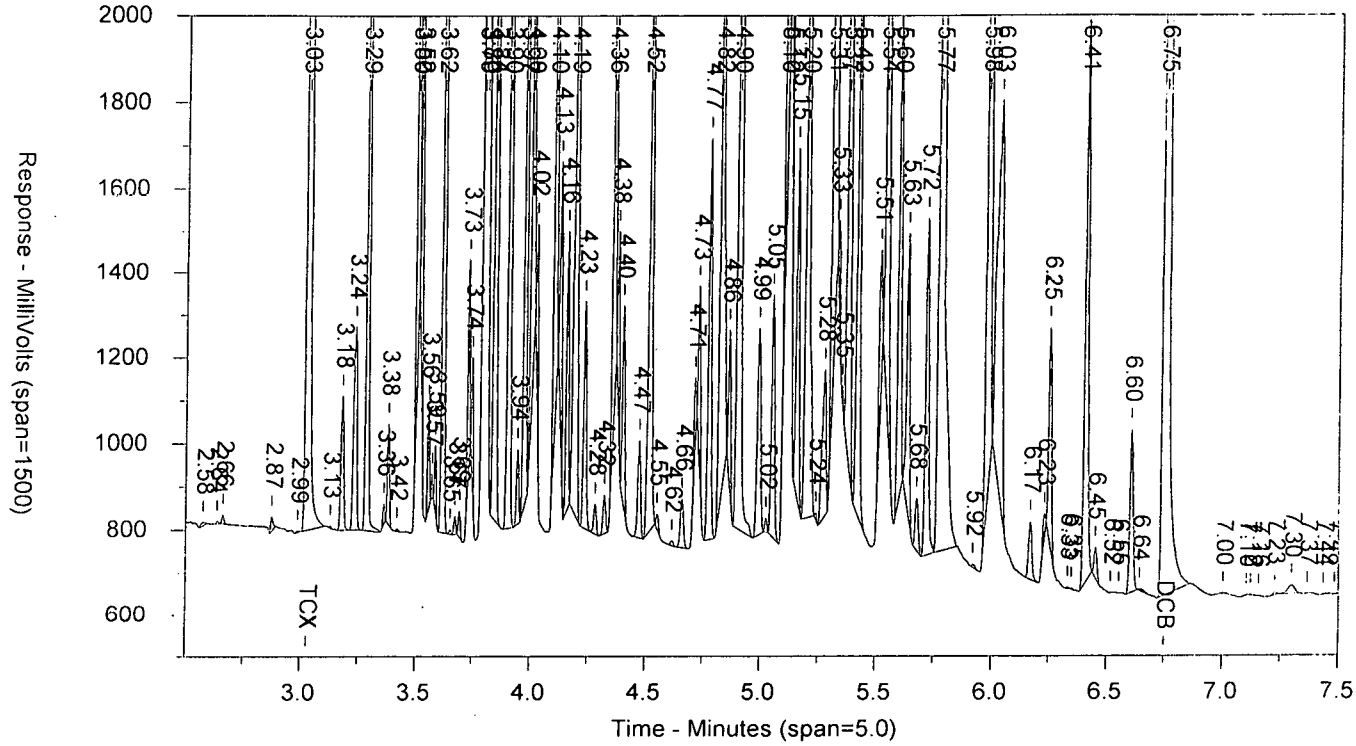

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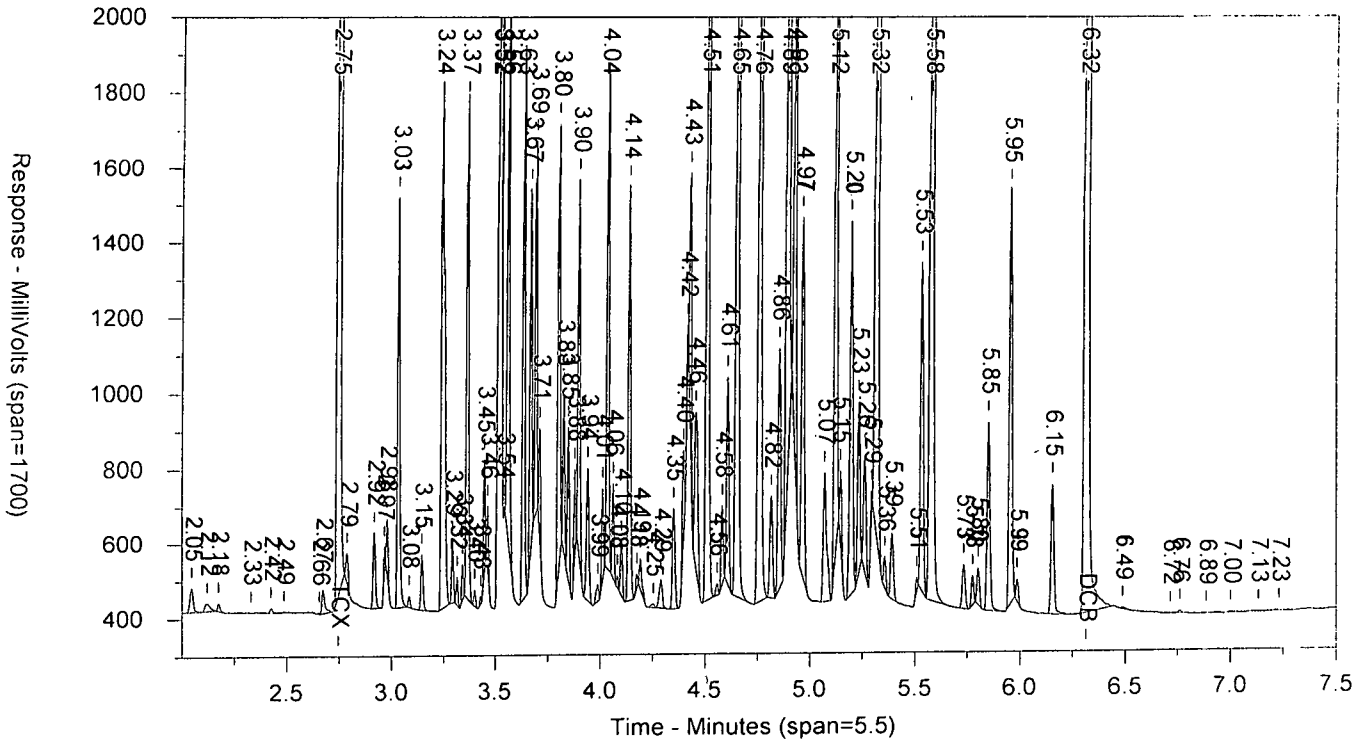

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AWPIBLKAW PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:11:46 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: 07PCBS17292005.0047.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.666		14030	83270
1.81		3937	2587
1.934		1861	1607
2.132		47940	139492
2.181		172341	323524
2.241		25109	56461
2.315		59884	44168
2.409		36594	24374
2.426		22373	14931
2.465		6199	4487
2.583		10912	20524
2.639		3804	3007
2.749		4381	3137
2.814		2091	1167
2.875		47313	53841
2.961		17301	16987
2.989		9096	8370
3.028	TCX	14337590	9118703
3.229		164485	107035
3.361		41946	33905
3.485		2424	966
3.674		36738	25339
3.72		4710	11789
3.768		24061	22497
3.812		11147	7191
3.862		1875	932
3.881		1350	284
3.893		1135	290
3.91		1172	335
3.931		992	135
3.939		986	278
3.965		1601	1014
4.006		3682	5967
4.046		3492	3120
4.099		1543	824
4.231		1853	1005
4.279		2136	676
4.309		3346	2986
4.349		3214	4829
4.388		3930	2508
4.416		4945	4466
4.51		3839	3379
4.651		1704	1211
4.774		4754	15433
4.808		1129	420
4.852		1590	764
4.89		1301	335
5.028		7341	7210
5.058		4949	5099
5.111		2550	1467
5.12		2115	1427
5.147		4248	3909
5.184		6992	6426

RT A	Compound A	Height A	Area A
5.268		16147	14746
5.307		4333	2973
5.469		2619	2304
5.499		1561	641
5.536		2747	2230
5.581		101250	115549
5.675		11906	12310
5.798		28883	28612
5.883		8067	6483
5.976		5360	4873
6.032		1715	1366
6.066		4517	3964
6.095		2106	971
6.168		50327	46660
6.232		50830	57451
6.334		6236	13797
6.406		3667	2996
6.551		1884	461
6.605		43999	42239
6.639		3690	2263
6.664		1576	392
6.694		1193	482
6.751	DCB	5526590	5886297
7.009		1401	630
7.144		1508	411
7.225		4527	3840
7.307		1656	835
7.479		1084	345
7.692		1066	298
7.84		1211	1379
7.919		1478	742
7.968		1084	595
8.166		1270	464
8.249		1356	352
8.288		1079	625
8.488		1143	341
8.517		1180	330
8.547		1437	431
8.648		1465	619

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AWPIBLKAW PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:11:46 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: 07PCBS17292005B.0047.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.634		2152	13161
1.912		17464	61751
2.046		39895	62985
2.123		74885	125541
2.175		9712	7790
2.353		4670	2558
2.39		4307	11632
2.49		2738	1978
2.654		4151	2055
2.674		82359	86826
2.746	TCX	7046271	4836244
2.967		87548	59797
3.06		2761	3077
3.085		16756	12592
3.315		5827	6967
3.375		1412	4522
3.431		22006	15050
3.464		4271	2888
3.497		10261	13497
3.592		4408	4701
3.634		3369	5357
3.666		4326	2954
3.865		4740	7936
3.905		2349	3107
4.023		1145	795
4.103		3079	3247
4.191		3766	7372
4.243		6673	7276
4.412		4497	9917
4.504		3381	8133
4.585		1591	2199
4.627		3996	2978
4.785		4864	6541
4.838		6218	5782
4.866		7120	5170
4.892		3278	2488
5.044		164096	198124
5.268		8435	7559
5.315		5086	4806
5.392		22443	27604
5.551		20963	36006
5.608		17985	40651
5.676		2926	3732
5.734		45219	42658
5.801		43226	40447
5.85		9584	13648
5.955		2817	7623
6.154		45021	44193
6.315	DCB	5285050	5014168
6.761		4769	4544
7.375		2000	3525
7.698		1459	1418
8.619		4900	9758

IBLKX1724B AWPIBLKAW PIBLK1729799999 10225 SW-846 8082

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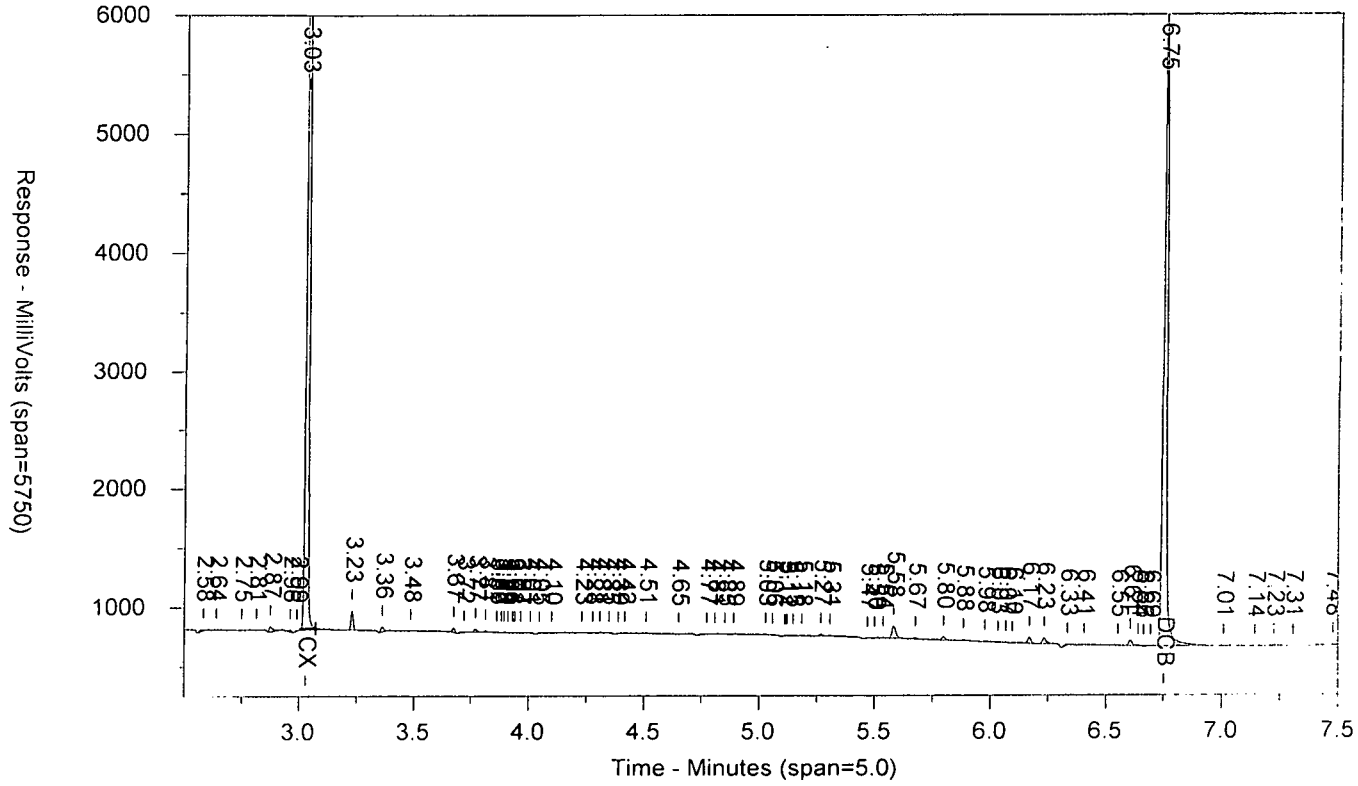

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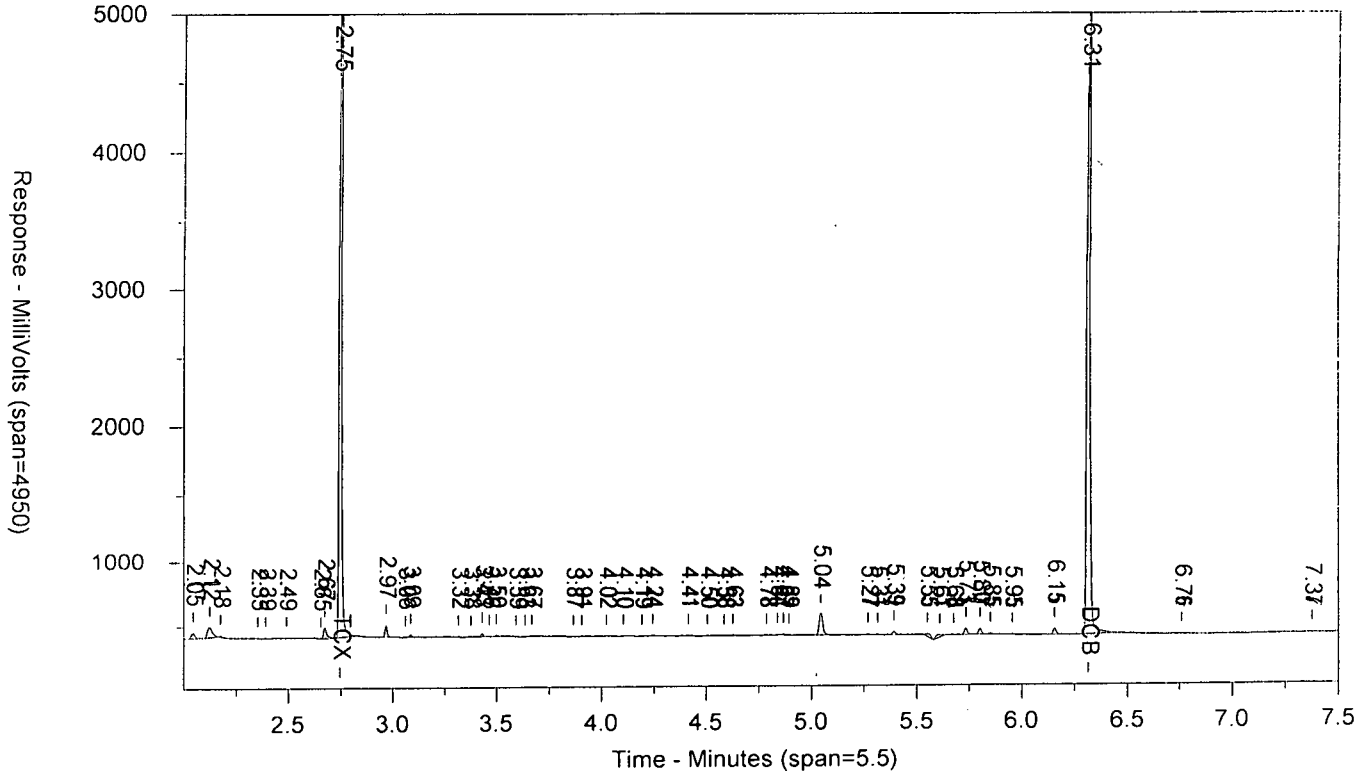

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AWPIBLKAW PIBLK1729799999 10225 SW-846 8082
Injected On: 10/26/2017 7:11:46 AM
Sample Weight: 1000
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	14337590	.226	TCX	2.746	7046271	.232	TCX
6.751	5526590	.217	DCB	6.315	5285050	.229	DCB

Files:
Area File: 07PCBS17292005.0047.RAW
Area File: 07PCBS17292005B.0047.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/26/2017 7:20:29 AM
File Reported On: 10/26/2017 at 7:20:46 AM

IBLKX1724B AWPIBLKAW PIBLK1729799999 10225 SW-846 8082

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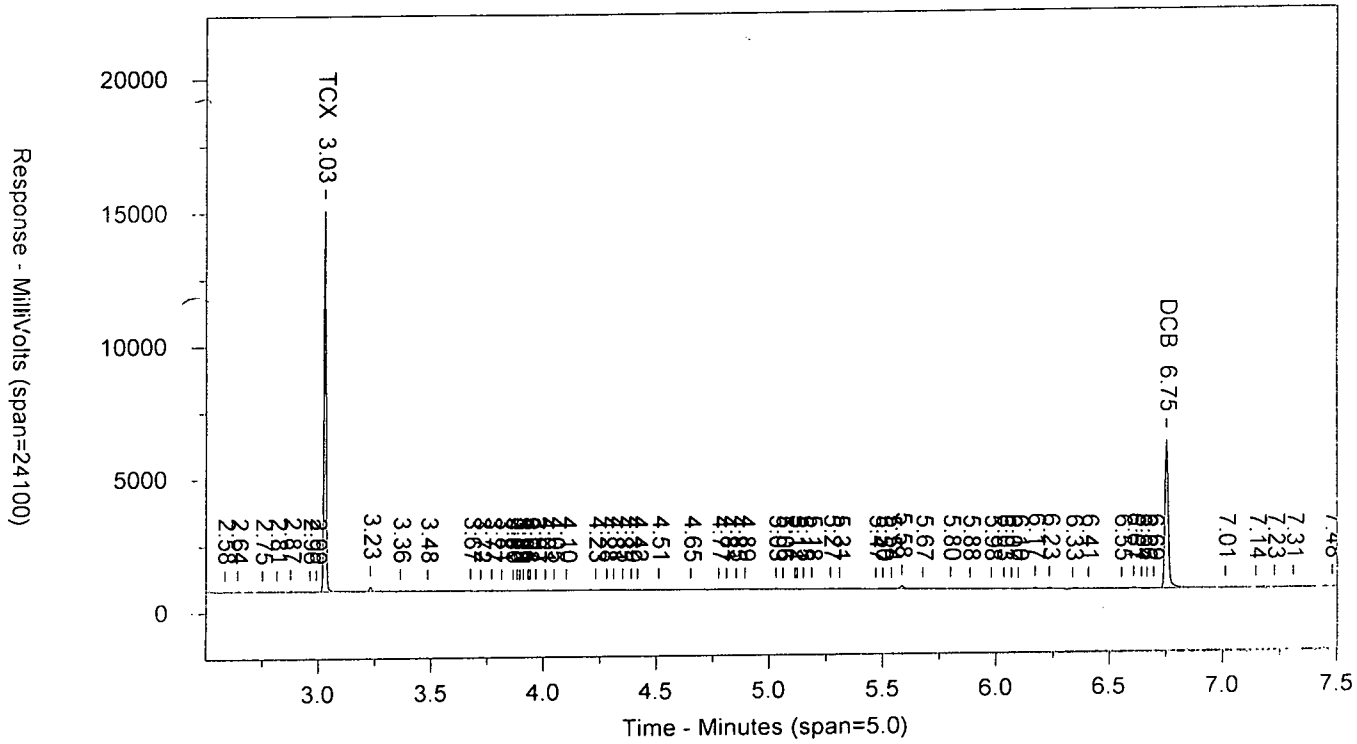

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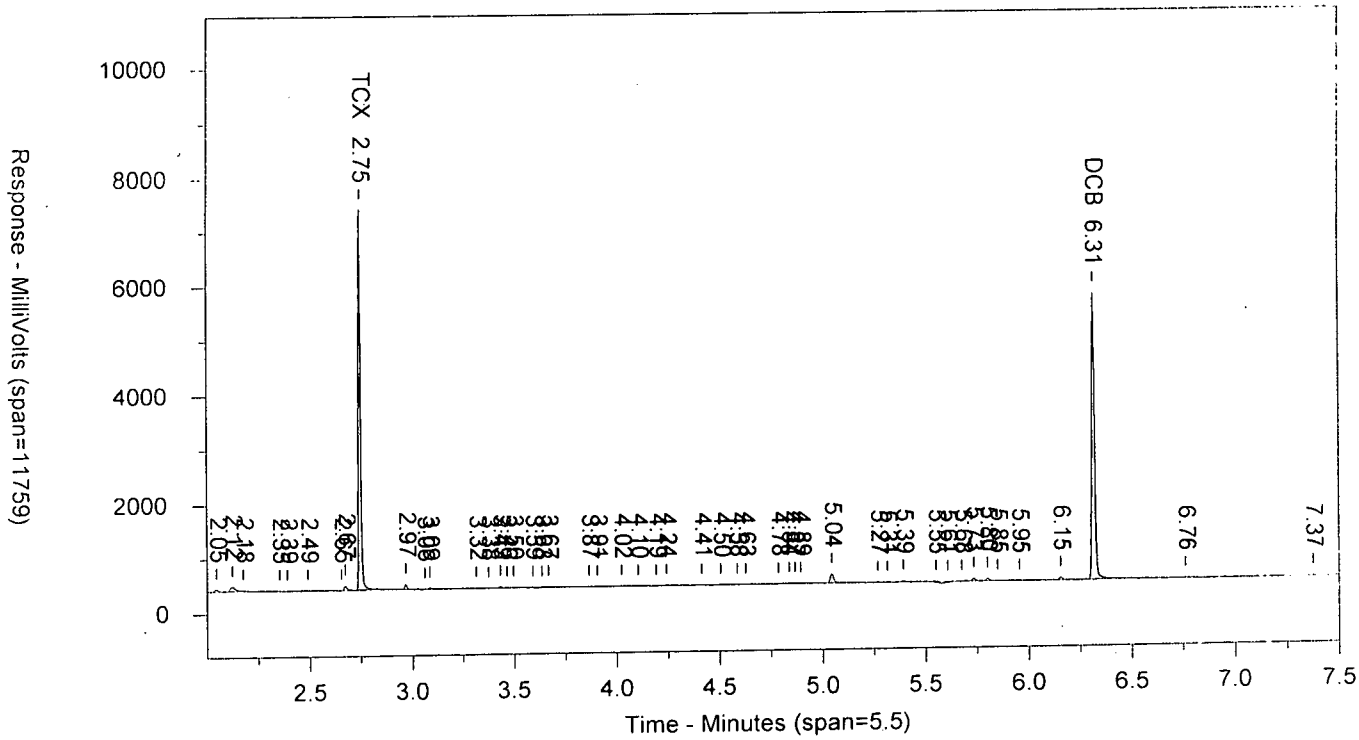

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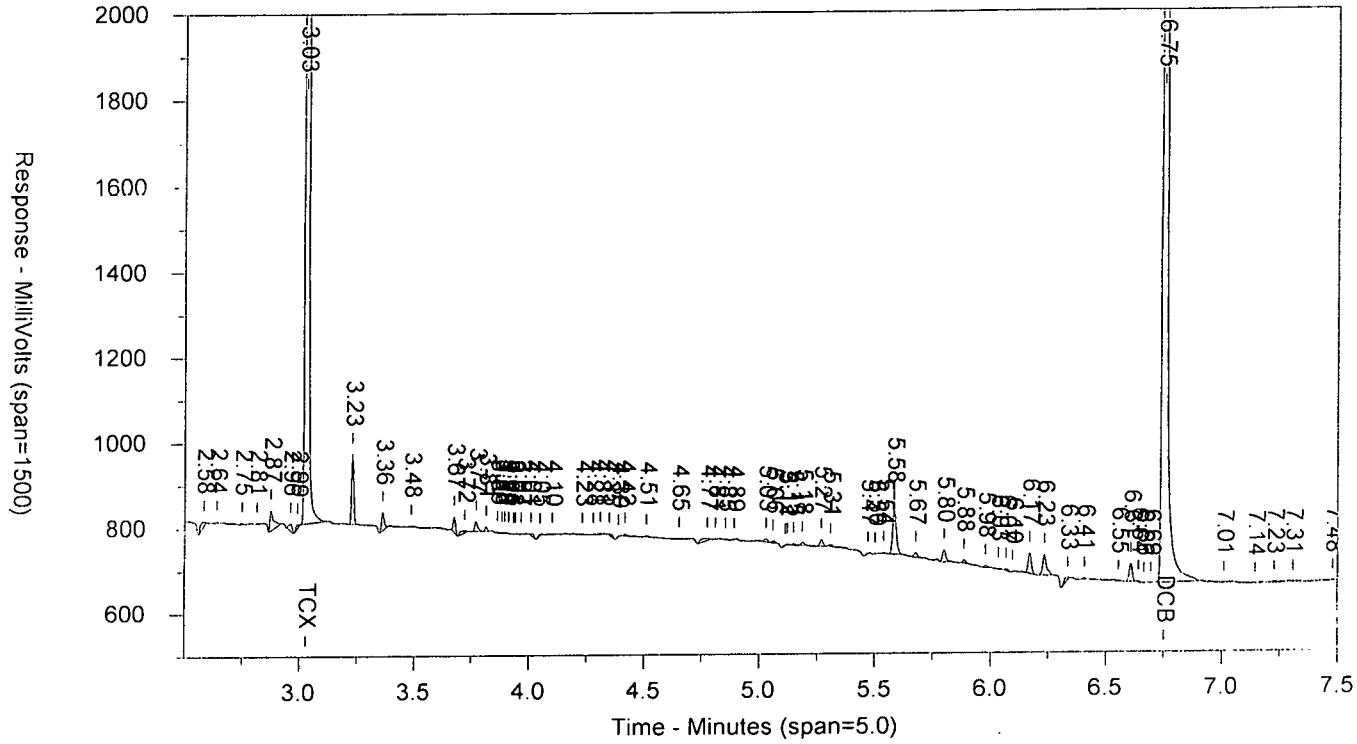

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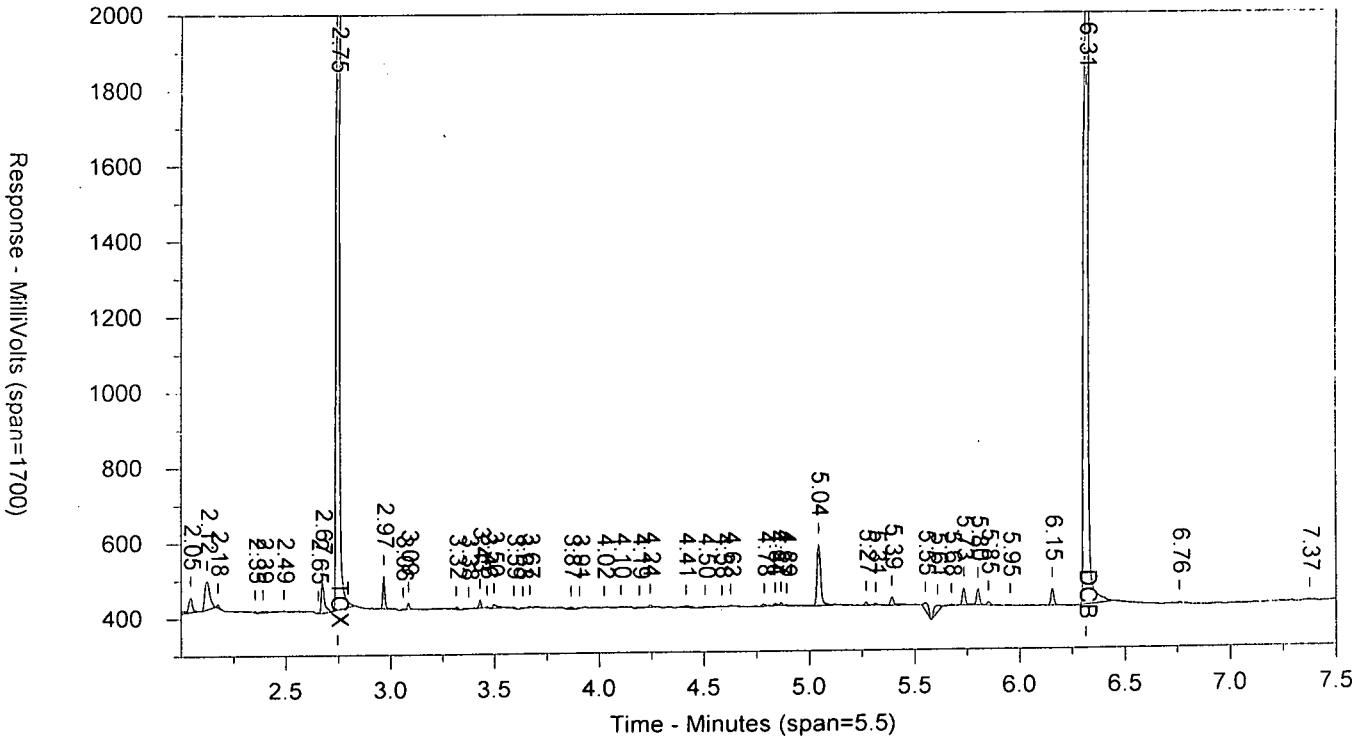

LANCASTER LABORATORIES

Sample Number: AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:37:27 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: 07pcbs17299001.0051.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.659		8264	35833
1.809		4637	3410
1.991		2423	1163
2.046		2292	744
2.132		19276	47656
2.179		74295	161414
2.315		117079	81762
2.41		60285	39901
2.426		43653	29308
2.465		6767	6649
2.583		5660	10320
2.637		5261	3334
2.662		21482	14572
2.75		3284	2762
2.875		46754	45036
2.955		7345	9821
2.999		1572	5257
3.028	TCX	28407070	18431410
3.13		6400	3310
3.179		322462	266903
3.236		488448	480679
3.285		2138452	1407153
3.361		47181	25589
3.379		230675	145539
3.418		5771	3549
3.502		2325756	1347622
3.519		1132243	601291
3.555		254938	145967
3.572		60209	24232
3.586		160969	83920
3.618		2697993	1876079
3.653		11857	5928
3.675		52448	30558
3.693		64647	38109
3.729		564840	325313
3.745		292630	144918
3.791		1594139	811289
3.803		2860377	1491396
3.842		3089122	2304549
3.903		2651110	1942057
3.944		187552	131909
3.972		1743441	1268790
4		1276390	1065370
4.022		369382	197075
4.078		1184	337
4.101		1958142	1376637
4.125		667253	454538
4.157		722186	515793
4.193		1955799	1893459
4.234		581439	457407
4.282		74083	55021
4.321		99153	77916
4.357		1871620	1340194

RT A	Compound A	Height A	Area A
4.376		422948	235121
4.401		485074	364389
4.472		248158	205568
4.515		1813631	1631528
4.55		41483	26027
4.614		14256	11238
4.658		137538	126386
4.712		191341	124298
4.728		426462	294000
4.774		1052895	920699
4.822		1673805	1860795
4.86		381106	272553
4.9		4027215	3678338
4.991		536877	561323
5.024		41786	26794
5.051		605384	560220
5.104		4313372	5451462
5.155		896658	778495
5.196		2133041	2288053
5.237		19169	9347
5.275		409220	474757
5.31		5222585	4613475
5.332		203566	96555
5.35		59306	20559
5.374		2716514	2381317
5.417		1620761	1511799
5.514		415139	342287
5.538		2785694	2397228
5.595		1427448	1244598
5.634		752247	687812
5.675		163170	148037
5.717		895494	890709
5.774		7025190	7467993
5.979		3979688	3749310
6.033		1084068	1949603
6.167		169827	160906
6.229		70025	63023
6.249		568069	485751
6.404		1459880	1449802
6.449		72989	61630
6.604		432918	427992
6.749	DCB	12288630	12393030
7.044		2878	3194
7.129		1345	864
7.149		1549	1204
7.224		8288	9281
7.3		1619	2778
7.437		1135	671
7.566		1100	869
7.664		2037	913
7.953		1452	451
8.07		1474	622
8.154		1746	340
8.275		1278	508
8.401		2207	2173
8.521		2232	748
8.568		1806	454
8.686		1417	555

LANCASTER LABORATORIES

Sample Number: AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:37:27 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: 07pcbs17299001B.0051.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.632		1474	6403
1.887		3921	6024
2.01		1943	4829
2.046		66289	77405
2.121		34209	59756
2.176		22273	17457
2.425		12921	10089
2.654		5184	3364
2.673		83089	85494
2.746	TCX	13933970	9485810
2.788		79769	56931
2.918		203186	159453
2.967		75456	36906
2.979		159944	85749
3.033		1105626	797972
3.085		29908	19154
3.145		150533	111731
3.242		1453372	1611101
3.294		167077	110998
3.315		76338	45383
3.342		102651	58459
3.365		1391050	1043776
3.401		44696	28662
3.43		25305	12098
3.448		321830	182749
3.464		176978	93308
3.515		593175	329687
3.525		1662505	758982
3.545		21593	6604
3.559		1450321	1084964
3.634		1551251	1094840
3.668		1024740	684624
3.692		1064135	644664
3.711		304474	163316
3.801		1278812	959214
3.826		460508	269024
3.848		439193	288399
3.879		246706	135516
3.897		1041999	714673
3.94		384519	310828
3.989		48744	42907
4.012		263347	168916
4.035		1415100	1036216
4.062		273917	174286
4.082		32184	14941
4.101		154709	106412
4.138		1168584	921497
4.175		40157	26087
4.192		85435	64867
4.254		10321	11526
4.29		81241	84928
4.35		297065	244027
4.397		250854	163336
4.415		136492	80333

4.428		767324	488185
4.456		468401	483709
4.509		2664154	2301386
4.558		34486	26476
4.582		239505	169412
4.607		583452	467008
4.651		3306870	2831010
4.759		2644889	2692490
4.816		311238	282730
4.855		691535	645782
4.892		3164318	2927440
4.926		1609752	1252528
4.965		1059034	941945
5.07		376780	424880
5.122		2092204	1734660
5.146		208193	133303
5.197		1087856	1058673
5.233		519229	421300
5.261		360559	312029
5.293		91959	58109
5.315		5090928	4460030
5.356		89596	68558
5.391		212923	193322
5.508		38973	26191
5.531		996011	892105
5.576		3453982	3826309
5.732		142573	133363
5.774		80827	63119
5.801		125629	104879
5.849		574340	541077
5.954		1286416	1162923
5.986		66865	49654
6.154		415099	387540
6.314	DCB	11231090	10416740
6.761		8859	8609
8.265		1684	2074
8.618		4752	9880

AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082

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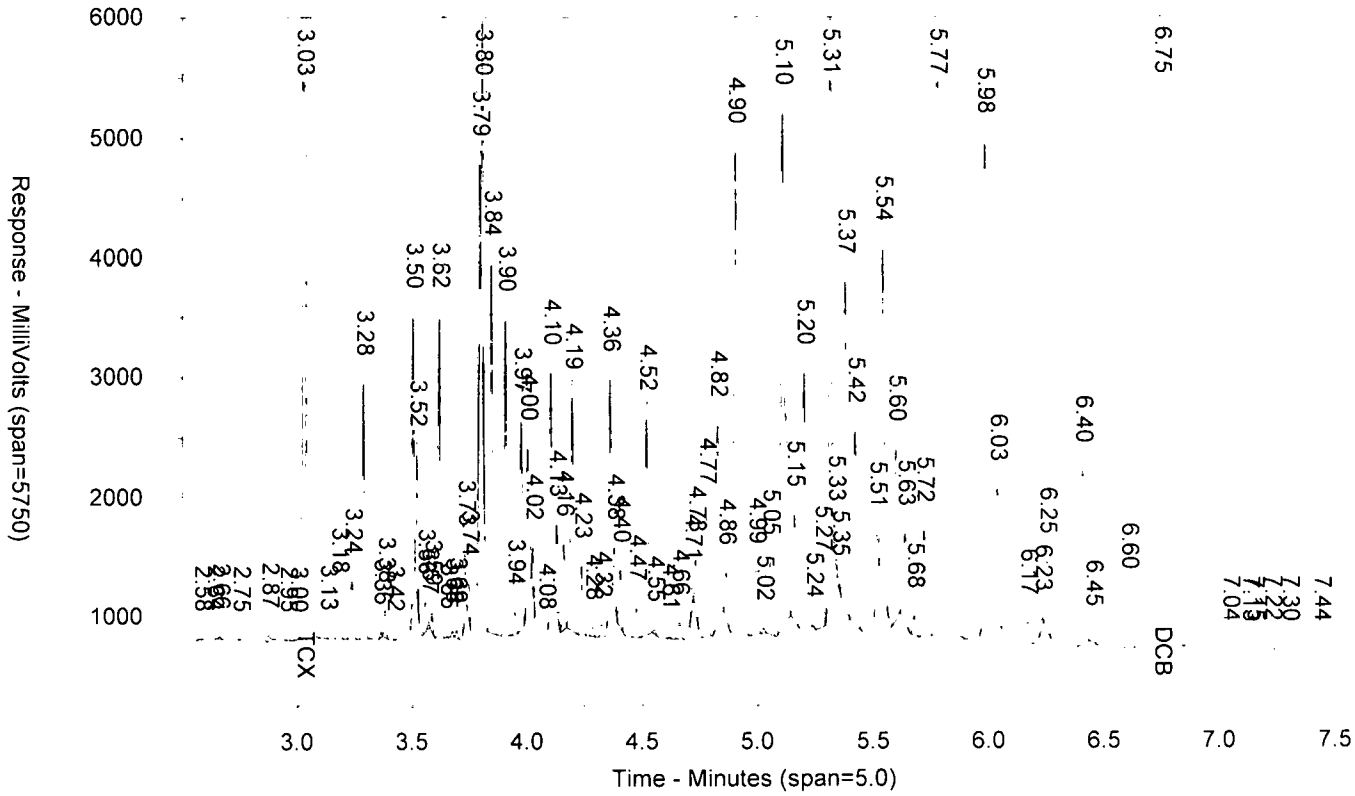

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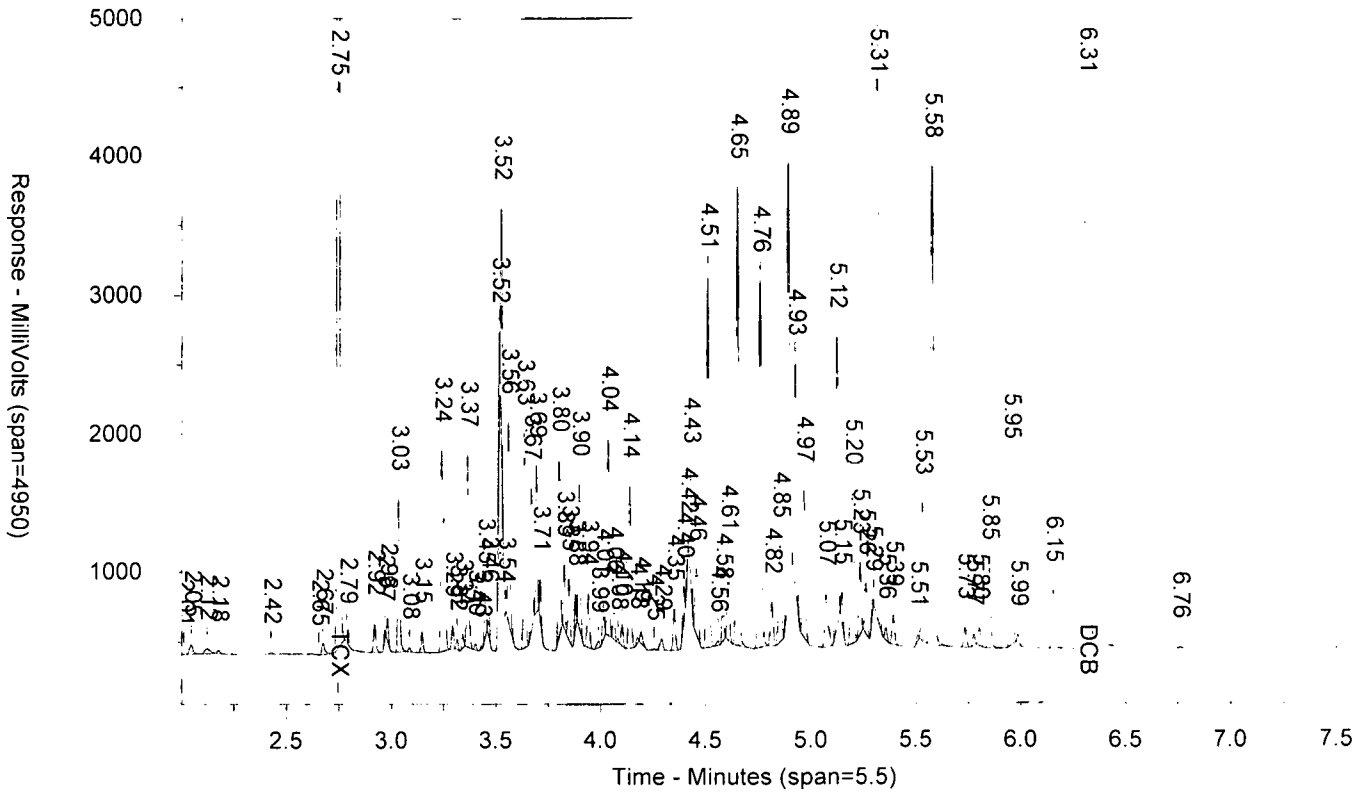

LANCASTER LABORATORIES

Sample Number: AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:37:27 AM Sample Weight: 1
Instrument ID: CP7-19843A Dilution Factor: 1
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	28407070	40.576	TCX	2.746	13933970	40.704	TCX
6.749	12288630	42.451	DCB	6.314	11231090	40.774	DCB

Files:
Area File: 07pcbs17299001.0051.RAW
Area File: 07pcbs17299001B.0051.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:50:56 AM
File Reported On: 10/29/2017 at 1:46:29 PM

AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082

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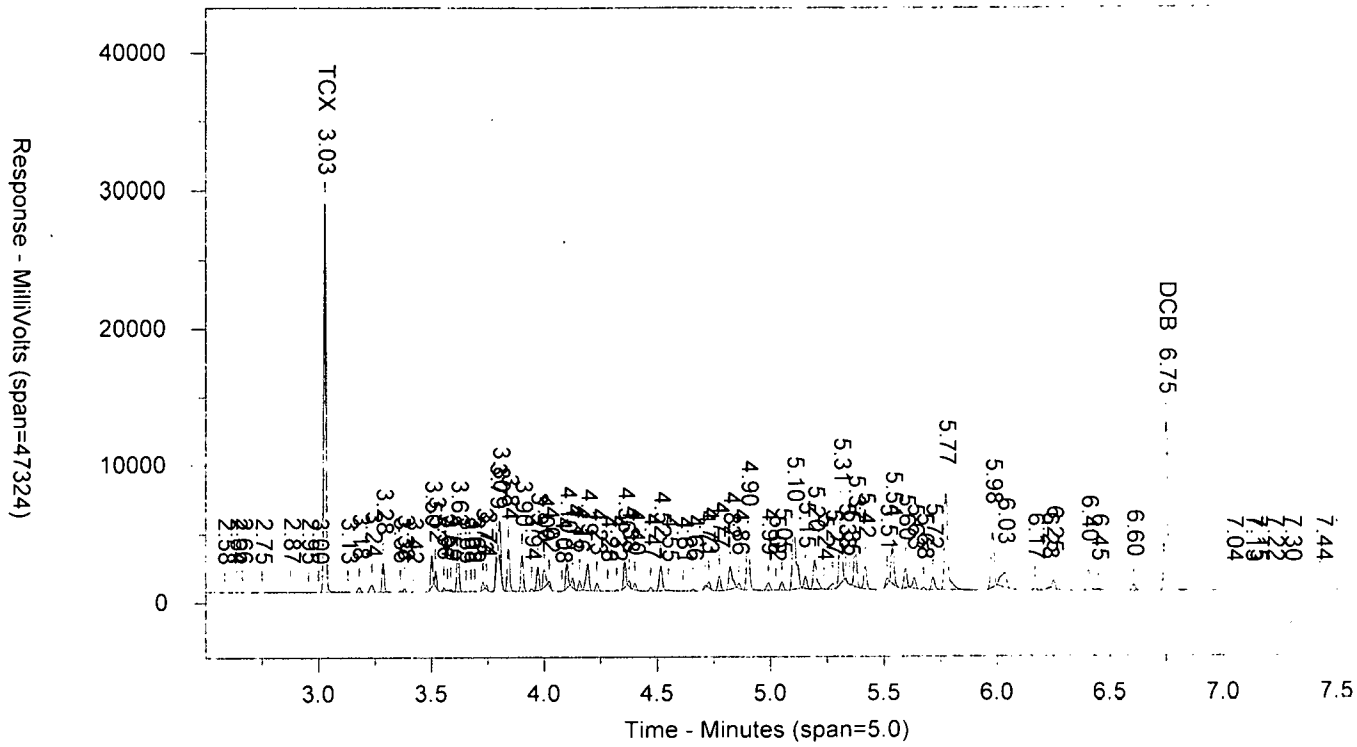

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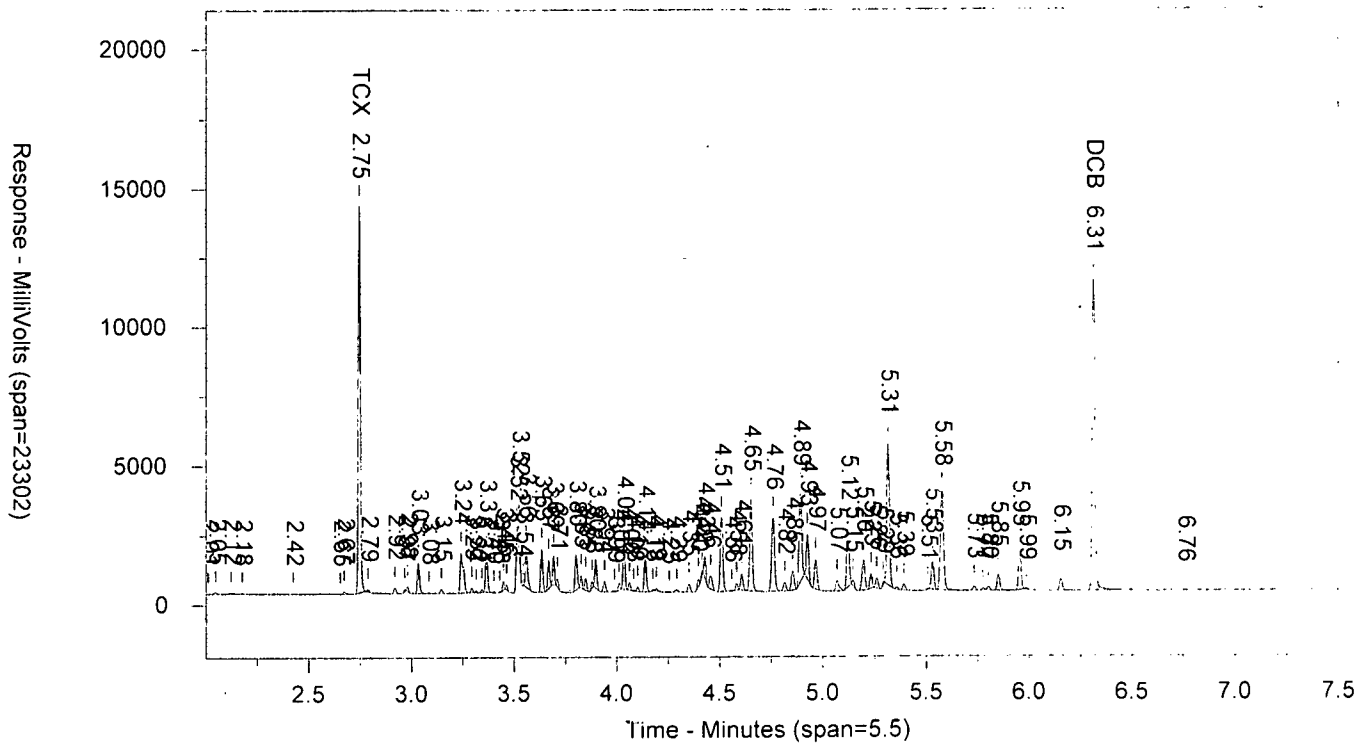

AR1641724B RXAR164RX CCAL 1729899999 10225 SW-846 8082

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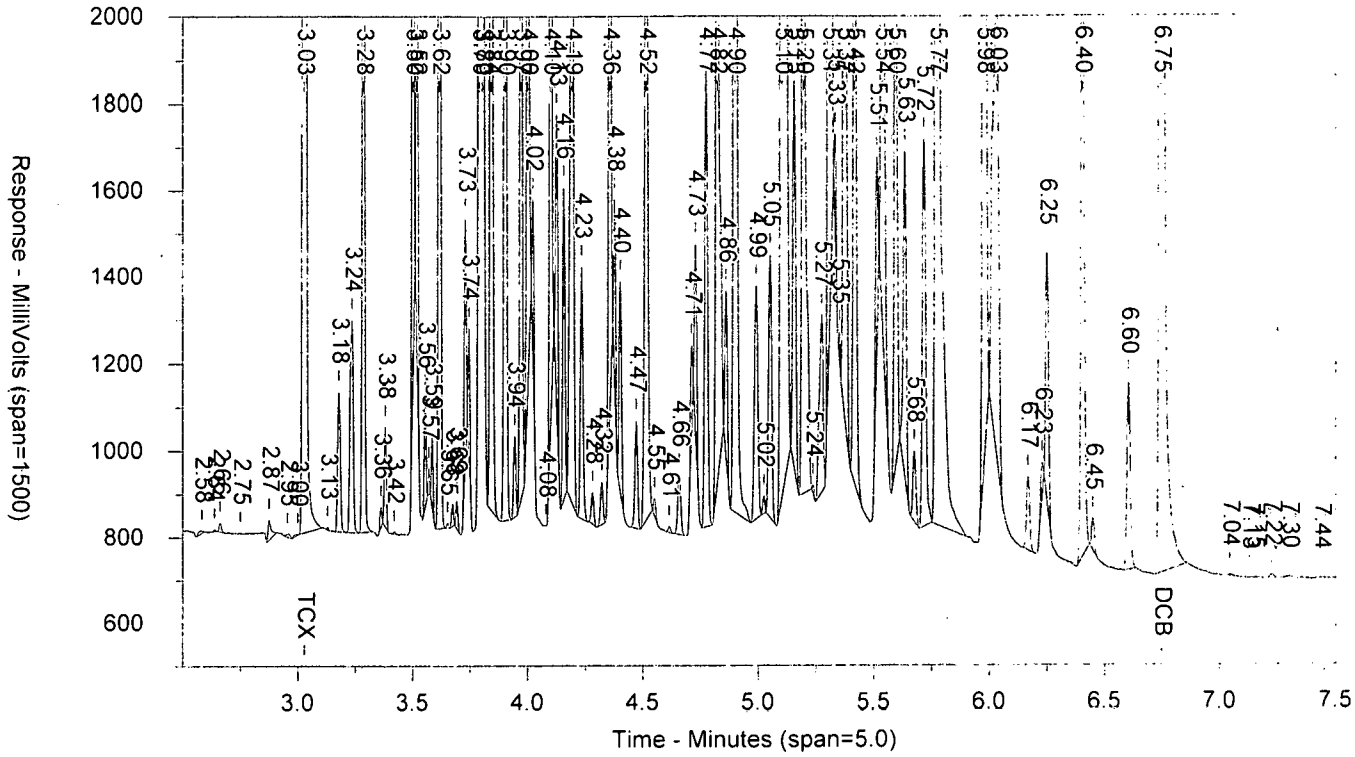

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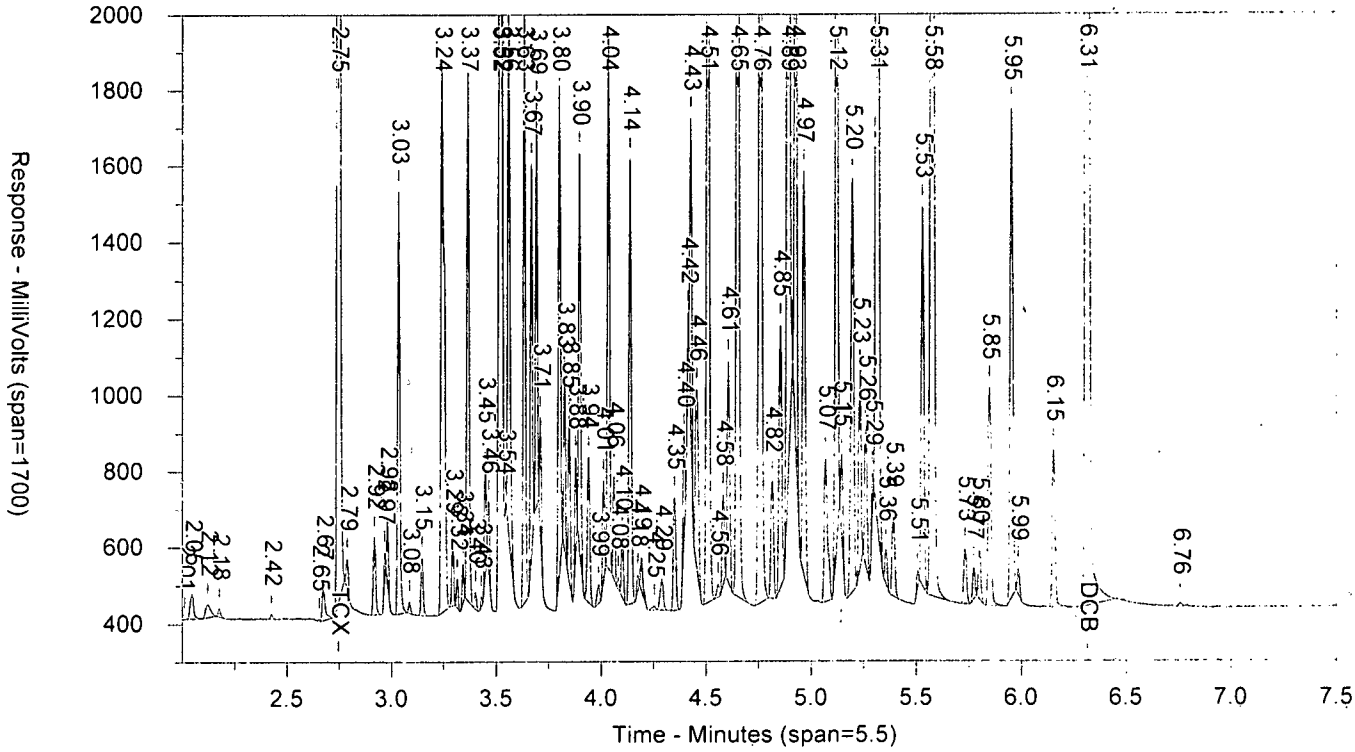

LANCASTER LABORATORIES

Sample Number: IBLKX1724B BSPIBLKBS PIBLK1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:48:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001.0052.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729901.CAL

RT A	Compound A	Height A	Area A
1.663		12305	52254
1.808		4570	3147
1.905		1955	709
2.047		2336	1208
2.11		15407	19357
2.13		8329	5127
2.181		108055	175637
2.237		8000	11411
2.315		59327	40940
2.41		37020	24457
2.426		20555	13883
2.465		4226	2792
2.58		9439	13640
2.639		5139	4569
2.875		21345	14736
2.961		11391	13521
3.028	TCX	13701480	9017455
3.229		164291	106555
3.361		36024	26438
3.397		1152	657
3.486		1790	1241
3.676		32781	21599
3.704		4034	3486
3.768		9621	10624
3.864		1107	441
3.883		1310	449
3.89		1230	262
3.901		1698	1309
3.924		1260	302
3.934		1359	857
3.979		1059	455
4.056		2384	4914
4.089		2077	446
4.16		1428	653
4.308		2527	1839
4.349		2620	3154
4.39		3718	3740
4.417		3190	2206
4.512		3700	3189
4.651		1322	372
4.712		6093	6431
4.749		3627	3578
4.765		2034	713
4.817		1303	1030
4.902		4120	3270
4.982		2298	1608
5.027		10723	9223
5.059		4527	4797
5.123		2534	3141
5.147		1330	502
5.165		2148	551
5.184		5604	5531
5.268		22879	20958

RT A	Compound A	Height A	Area A
5.307		6622	7085
5.469		2039	1897
5.517		2047	2131
5.536		2177	882
5.582		69253	80699
5.675		19247	18378
5.768		3346	1746
5.797		43659	45232
5.883		9139	9148
5.978		5133	4470
6.097		1432	1079
6.167		61278	59242
6.231		67956	82194
6.335		6966	13125
6.403		2169	1122
6.453		994	757
6.573		2147	1879
6.604		47874	44636
6.75	DCB	5793916	6045013
7.034		1341	971
7.196		974	341
7.228		3626	3872
7.266		1102	582
7.429		1500	771
7.576		1550	1091
7.732		1282	776
7.998		1139	1551
8.034		1439	804
8.062		1522	396
8.087		1439	896
8.377		1294	1030
8.464		1663	514
8.676		1209	350

LANCASTER LABORATORIES

Sample Number: IBLKX1724B BSPIBLKBS PIBLK1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:48:54 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07pcbs17299001B.0052.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729901B.CAL

RT B	Compound B	Height B	Area A
1.664		2747	14519
1.888		2397	2374
1.998		2181	3694
2.046		34961	41299
2.122		57981	95468
2.175		10260	9803
2.351		2281	1410
2.656		2881	2013
2.673		41093	43226
2.746	TCX	6682861	4767510
2.966		86700	66544
3.064		1447	1378
3.084		16138	11721
3.319		6998	5605
3.376		2015	4302
3.43		19968	13400
3.464		3862	2970
3.498		3260	3046
3.586		4815	5461
3.664		1626	6766
3.862		3861	6262
3.905		1781	2215
4.102		4232	3850
4.189		3358	5824
4.243		7443	13708
4.383		1812	2182
4.414		4782	10531
4.478		1699	1732
4.586		1946	1240
4.627		6981	7080
4.779		3685	4543
4.838		3787	3058
4.866		12338	9196
4.889		2395	2011
5.043		114880	131624
5.231		1910	2184
5.268		12553	12353
5.313		3307	3394
5.391		32524	37175
5.551		15105	24387
5.607		10465	23455
5.678		2682	2798
5.733		56280	52895
5.8		58747	54425
5.85		12075	11123
6.107		1701	1303
6.154		46934	42553
6.315	DCB	5369884	5169508
6.763		4494	4006
8.622		5040	9894

IBLKX1724B BSPIBLKBS PIBLK1729899999 10225 SW-846 8082

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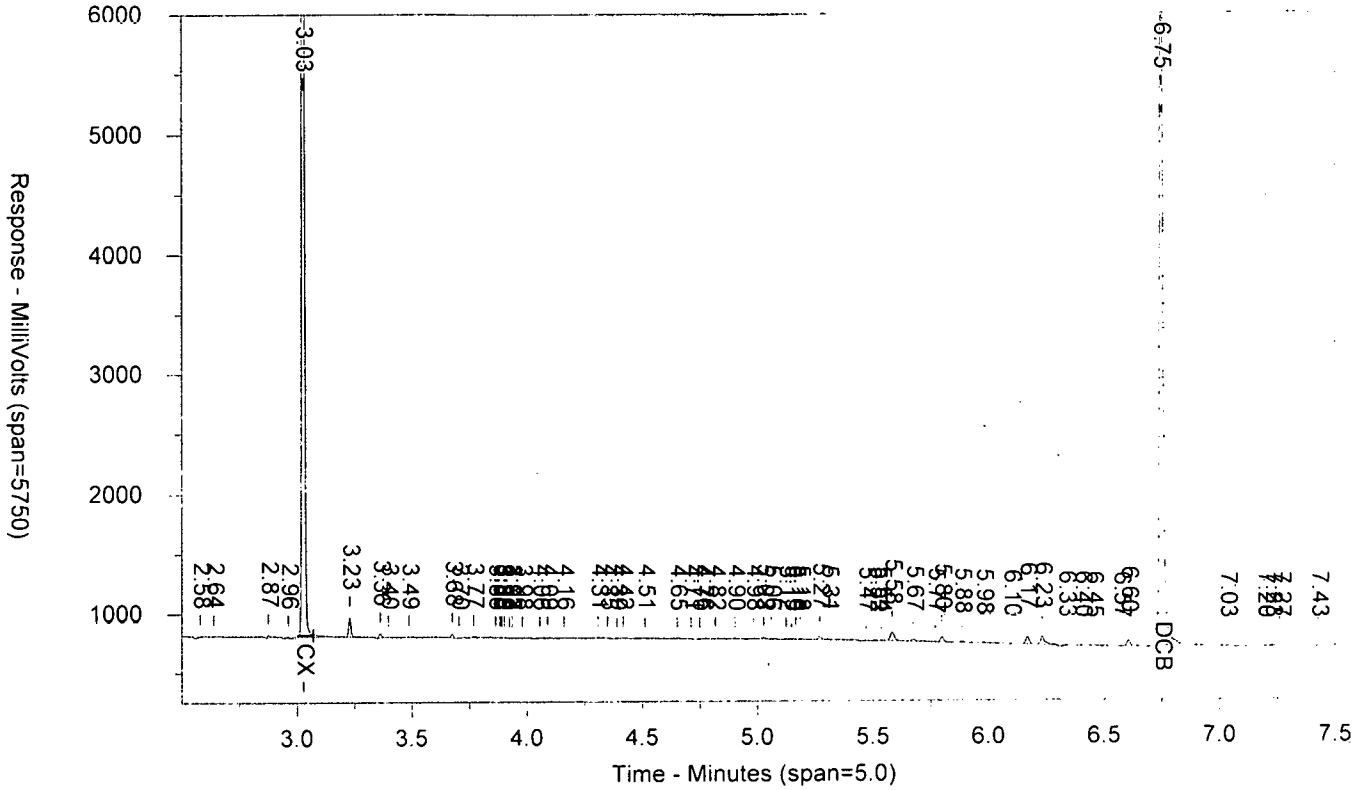

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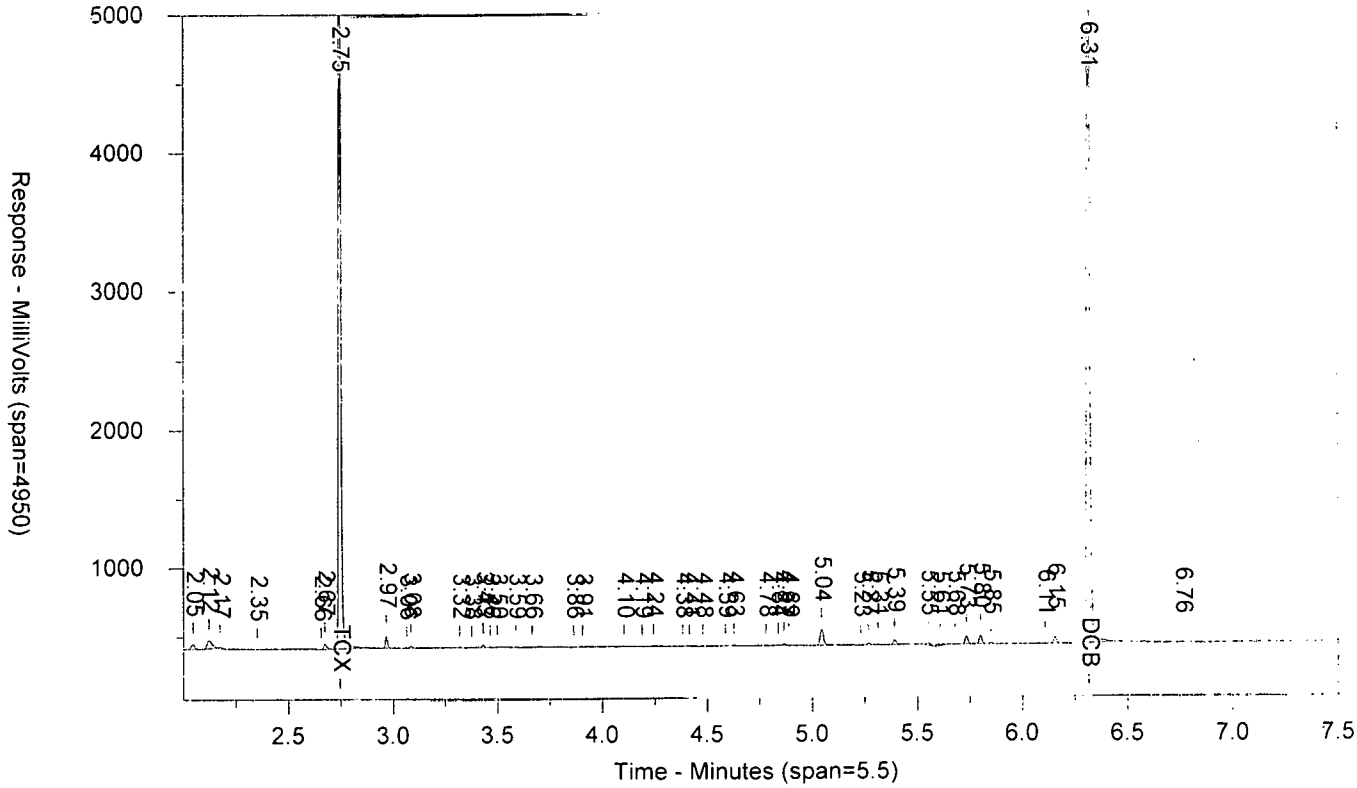

LANCASTER LABORATORIES

Sample Number: IBLKX1724B BSPIBLKBS PIBLK1729899999 10225 SW-846 8082
Injected On: 10/27/2017 7:48:54 AM Sample Weight: 1000
Instrument ID: CP7-19843A Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	13701480	.196	TCX	2.746	6682861	.195	TCX
6.75	5793916	.2	DCB	6.315	5369884	.195	DCB

Files:
Area File: 07pcbs17299001.0052.RAW
Area File: 07pcbs17299001B.0052.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729901.CAL
Calibration File B: 07PCBS1729901B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/27/2017 7:57:36 AM
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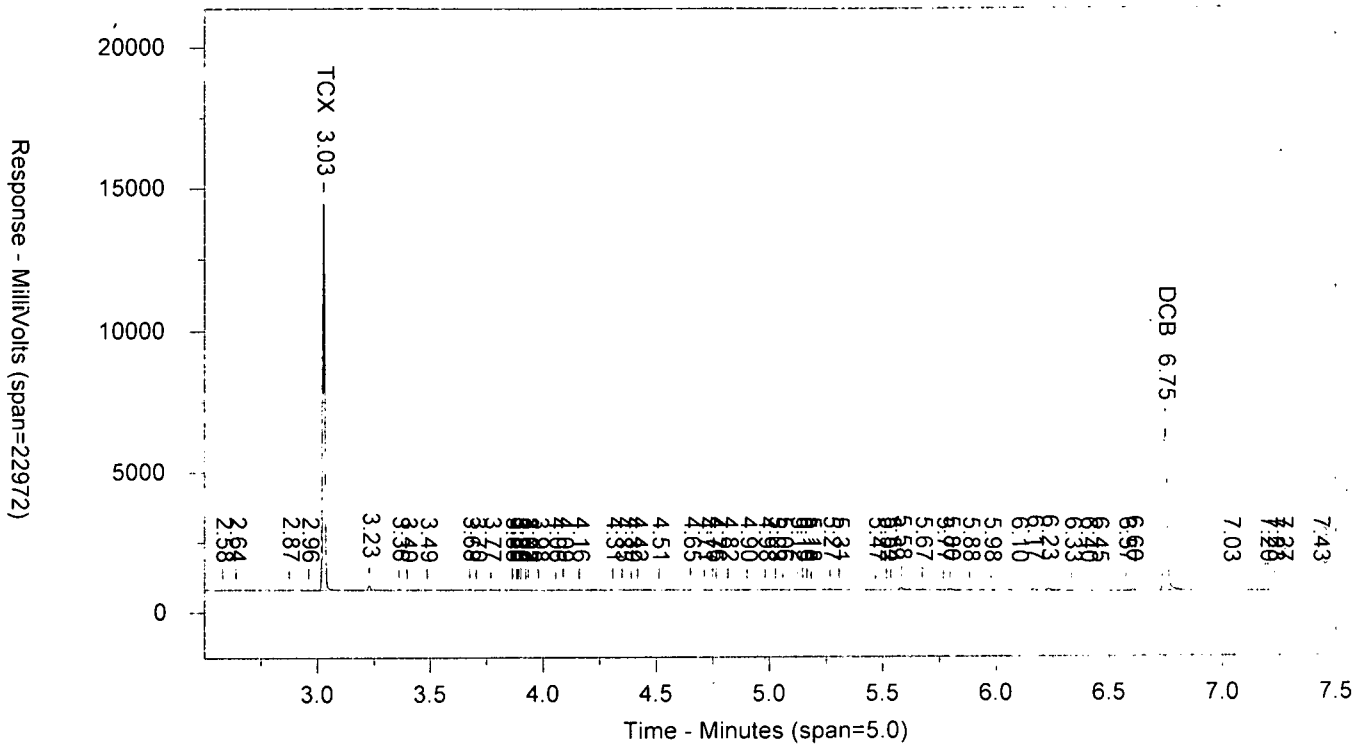

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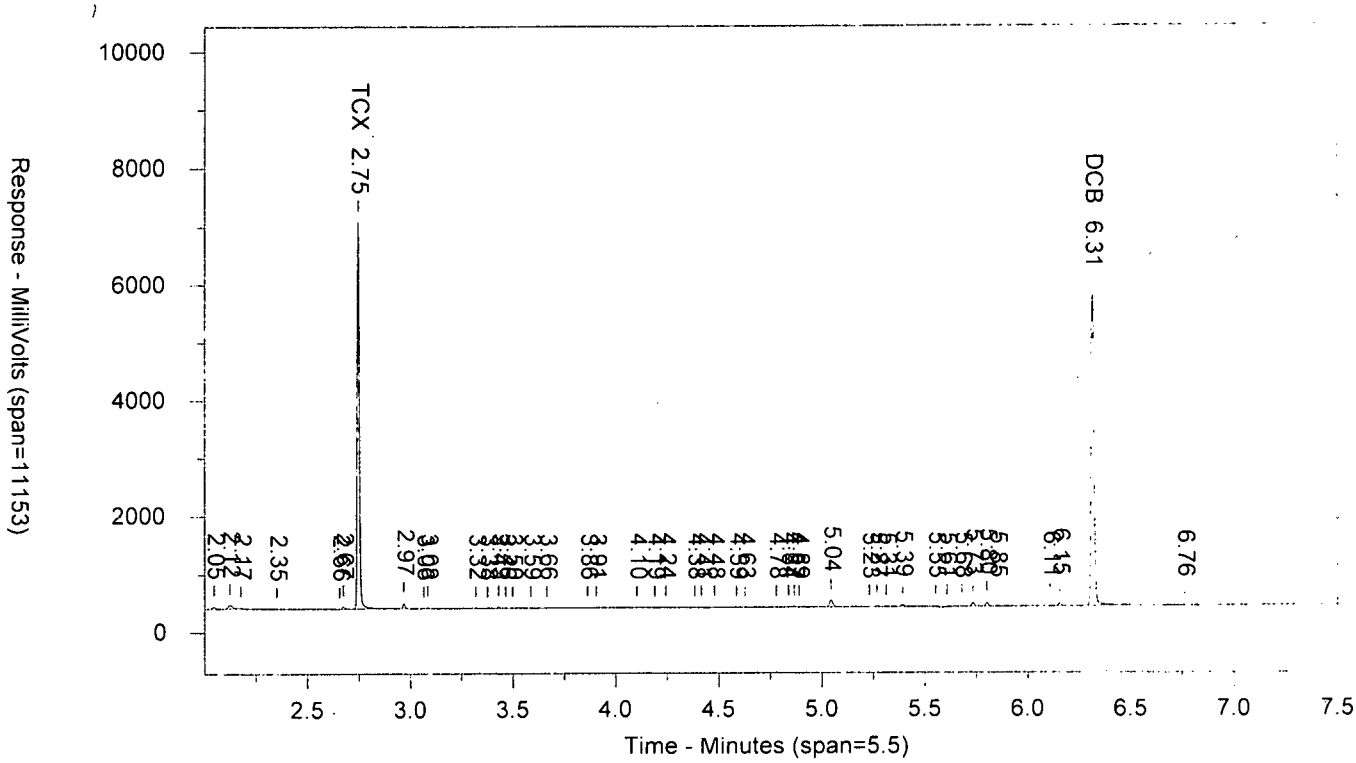

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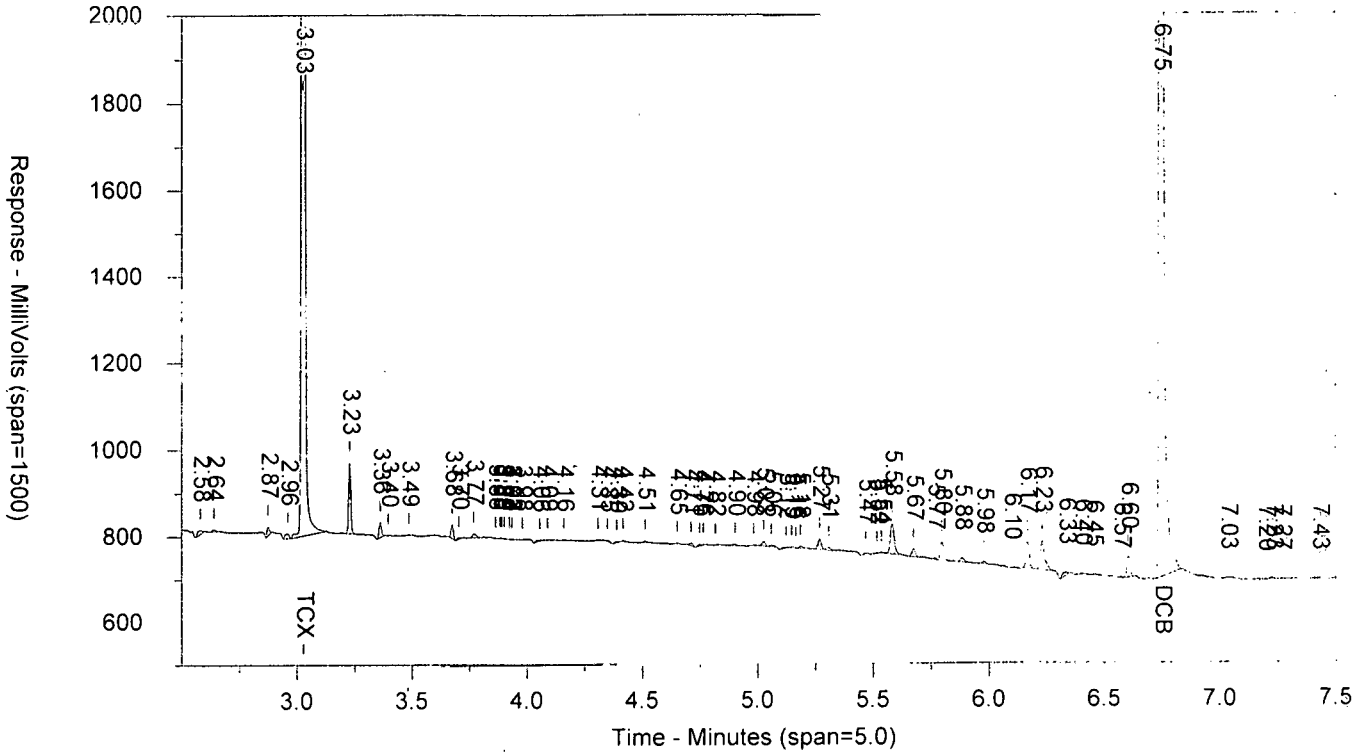

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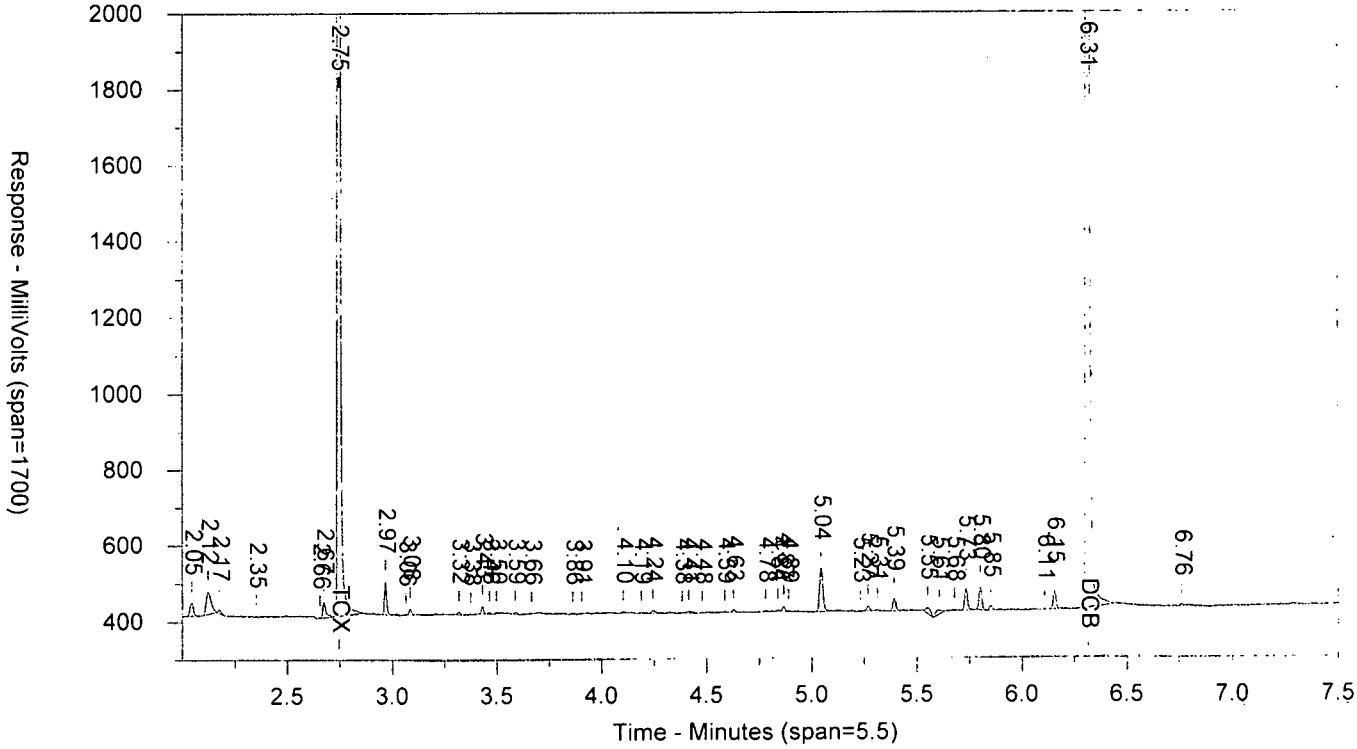

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins

Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 10/14/17 ACF PBLK14286 BLK Sample ID: AB **Batchnumber: 172860014A**

Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:28:28
Instrument	19843A
Result file	07PCBS17292003.0069.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 109% (61 - 152) Conc: 33.16546

%SSR(DCB) 98% (48 - 164) Conc: 26.6027

Analysis Report (B)

Injected on	Oct 24, 2017 08:28:28
Instrument	19843B
Result file	07PCBS17292003B.0069.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 32.74789

%SSR(DCB) 99% (48 - 164) Conc: 26.7428

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	21058610	33.16546	Tetrachloro-m-xylene	2.72	2.75	2.78	9940568	32.74789
Decachlorobiphenyl	6.72	6.75	6.78	6789696	26.6027	Decachlorobiphenyl	6.29	6.32	6.35	6170574	26.7428

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	33.16546				1.27	
Tetrachloro-m-xylene-D1	A	33.16546					
Tetrachloro-m-xylene-D2	B	32.74789					
Decachlorobiphenyl	B	26.7428				0.53	
Decachlorobiphenyl-D1	A	26.6027					
Decachlorobiphenyl-D2	B	26.7428					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:29:46

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 109% (61-152) Conc.: 33.16546
%SSR(DCB) : 98% (48-164) Conc.: 26.6027

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	53.06	
3.27	3.29	3.31	5669.254	0.566078			1
3.48	3.48	3.52	2657.889	0.255378			2
3.60	3.62	3.64	12665.38	1.055339			3
+ 3.60	3.64	3.64	6611.375	0.550891			3
+ 3.82	3.83	3.86	15542.07	1.111939			4
3.82	3.85	3.86	15636.85	1.11872			4
3.88	3.90	3.92	8792.49	0.752257			5
4.08	4.09	4.12	13956.04	1.608012			6
Height Summation:			**59377.903**				
Amount Avg CF:			**0.892631**	Linear:			
Aroclor-1221					3	164.83	
3.16	3.18	3.20	7774.614	1.516168			1
3.22	3.23	3.26	247743.1	56.04002			2
3.27	3.29	3.31	5669.254	0.355915			3
Height Summation:			**261186.968**				
Amount Avg CF:			**19.304034**	Linear:			
Aroclor-1232					6	69.22	
3.26	3.29	3.30	5669.254	0.464688			1
3.48	3.48	3.52	2657.889	0.550313			2
3.60	3.62	3.64	12665.38	2.252216			3
+ 3.82	3.83	3.86	15542.07	2.259066			4
3.82	3.85	3.86	15636.85	2.272842			4
3.88	3.90	3.92	8792.49	1.696197			5
4.08	4.09	4.12	13956.04	3.929315			6
Height Summation:			**59377.903**				
Amount Avg CF:			**1.860928**	Linear:			
Aroclor-1242					6	54.64	
3.27	3.29	3.31	5669.254	0.660742			1
3.48	3.48	3.52	2657.889	0.307766			2
3.60	3.62	3.64	12665.38	1.26684			3
+ 3.60	3.64	3.64	6611.375	0.661295			3
+ 3.82	3.83	3.86	15542.07	1.290146			4
3.82	3.85	3.86	15636.85	1.298013			4
3.88	3.90	3.92	8792.49	0.973744			5
4.08	4.09	4.12	13956.04	2.033106			6
Height Summation:			**59377.903**				
Amount Avg CF:			**1.090035**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 32.74789
%SSR(DCB) : 99% (48-164) Conc.: 26.7428

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	154.48	
3.02	3.04	3.06	5399.154	1.007806			1
3.35	3.38	3.39	63277.5	9.74496			2
3.54	3.57	3.58	5536.646	0.854935			3
3.62	3.64	3.66	6761.986	1.003935			4
3.68	3.68	3.72	5274.831	1.03779			5
3.79	3.80	3.83	2533.564	0.44854			6
Height Summation:			**88783.681**				
Amount Avg CF:			**2.349661**	Linear:			
Aroclor-1221					2	139.02	
2.96	2.97	3.00	144017.9	79.261517			2
+ 2.96	3.00	3.00	10409.42	5.728916			2
3.02	3.04	3.06	5399.154	0.67765			3
Height Summation:			**149417.054**				
Amount Avg CF:			**39.969584**	Linear:			
Aroclor-1232					6	158.23	
3.02	3.04	3.06	5399.154	0.8568			1
3.35	3.38	3.39	63277.5	20.951639			2
3.54	3.57	3.58	5536.646	1.793777			3
3.62	3.64	3.66	6761.986	2.301646			4
3.68	3.68	3.72	5274.831	2.80886			5
3.79	3.80	3.83	2533.564	1.103724			6
Height Summation:			**88783.681**				
Amount Avg CF:			**4.969408**	Linear:			
Aroclor-1242					6	153.11	
3.02	3.04	3.06	5399.154	1.171491			1
3.35	3.38	3.39	63277.5	11.525547			2
3.54	3.57	3.58	5536.646	0.971155			3
3.62	3.64	3.66	6761.986	1.238196			4
3.68	3.68	3.72	5274.831	1.337507			5
3.79	3.80	3.83	2533.564	0.54626			6
Height Summation:			**88783.681**				
Amount Avg CF:			**2.798359**	Linear:			
Aroclor-1248					6	44.70	
3.54	3.57	3.58	5536.646	1.74597			1
3.62	3.64	3.66	6761.986	1.758004			2
3.68	3.68	3.72	5274.831	0.932413			3
3.79	3.80	3.83	2533.564	0.322892			4
+ 3.88	3.88	3.92	7975.844	1.681002			5
3.88	3.91	3.92	8097.348	1.706611			5
+ 4.02	4.02	4.06	2973.321	0.300858			6
4.02	4.04	4.06	12629.45	1.277922			6
Height Summation:			**40833.825**				
Amount Avg CF:			**1.290635**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**5**	**44.85**	
+ 3.82	3.83	3.86	15542.07	2.026743			1
3.82	3.85	3.86	15636.85	2.039102			1
3.88	3.90	3.92	8792.49	1.371957			2
4.08	4.09	4.12	13956.04	1.141587			4
4.17	4.19	4.21	4481.975	0.439707			5
+ 4.36	4.36	4.40	9352.445	0.955008			6
4.36	4.38	4.40	14638.13	1.494746			6
Height Summation:			**57505.485**				
Amount Avg CF:			**1.29742**	Linear:			
Aroclor-1254					**5**	**160.75**	
4.69	4.72	4.73	42617.58	3.564136			1
4.76	4.78	4.80	3928.727	0.165731			2
+ 4.97	4.98	5.01	2634.944	0.170375			4
4.97	4.99	5.01	4948.238	0.319953			4
5.17	5.20	5.21	3456.051	0.285806			5
5.29	5.31	5.33	4091.964	0.265122			6
Height Summation:			**59042.56**				
Amount Avg CF:			**0.92015**	Linear:			
Aroclor-1260					**5**	**64.62**	
5.29	5.31	5.33	4091.964	0.175288			2
5.36	5.38	5.40	5009.517	0.423987			3
5.52	5.54	5.56	2698.577	0.220752			4
5.76	5.77	5.80	1613.913	0.055496			5
5.96	5.98	6.00	8389.738	0.46931			6
Height Summation:			**21803.709**				
Amount Avg CF:			**0.268967**	Linear:			
Aroclor-1262					**6**	**77.21**	
5.35	5.38	5.39	5009.517	0.262252			1
5.52	5.54	5.56	2698.577	0.164213			2
5.75	5.77	5.79	1613.913	0.047087			3
5.96	5.98	6.00	8389.738	0.377245			4
6.01	6.03	6.05	7824.603	0.74564			5
6.38	6.41	6.42	3091.294	0.270317			6
Height Summation:			**28627.642**				
Amount Avg CF:			**0.311126**	Linear:			
Aroclor-1268					**6**	**186.38**	
5.96	5.98	5.99	8389.738	0.202559			1
6.01	6.03	6.05	7824.603	0.220517			2
6.15	6.17	6.19	124657.7	3.812849			3
6.21	6.23	6.25	171162	19.570006			4
6.38	6.41	6.42	3091.294	0.239633			5
6.58	6.61	6.62	72197.68	0.721889			6
Height Summation:			**387323.015**				
Amount Avg CF:			**4.127909**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**2**	**106.30**	
4.40	4.40	4.44	3861.986	0.267458			2
4.50	4.52	4.54	13175.62	1.886459			3
Height Summation:			**17037.606**				
Amount Avg CF:			**1.076958**	Linear:			
Aroclor-1260					**4**	**54.21**	
4.75	4.76	4.78	13341.08	1.138393			2
5.11	5.13	5.15	6171.149	0.704139			4
5.30	5.32	5.34	4382.943	0.214517			5
5.56	5.58	5.60	10084.88	0.733107			6
Height Summation:			**33980.052**				
Amount Avg CF:			**0.697539**	Linear:			
Aroclor-1262					**5**	**39.58**	
4.91	4.95	4.95	5038.252	0.398269			1
5.11	5.13	5.15	6171.149	0.464716			2
5.30	5.32	5.34	4382.943	0.176873			3
5.52	5.54	5.56	3036.591	0.318946			4
5.56	5.58	5.60	10084.88	0.586867			5
Height Summation:			**28713.815**				
Amount Avg CF:			**0.389134**	Linear:			
Aroclor-1268					**5**	**178.66**	
5.52	5.54	5.56	3036.591	0.102302			1
5.56	5.58	5.60	10084.88	0.333758			2
5.72	5.74	5.76	110745.9	4.281989			3
5.79	5.80	5.82	185360.5	27.412203			4
6.14	6.16	6.18	68183.02	0.796883			6
Height Summation:			**377410.891**				
Amount Avg CF:			**6.585427**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		** 89.88	4	40	
Aroclor-1221			51	15.3		** 69.73	3	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/14/17 ACF PBLK14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0069.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 08:28:28
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0069.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1232			51	12.3		** 91.02	4	40	
Aroclor-1242			51	12.3		** 87.87	4	40	
Aroclor-1248			51	9.9		0.52	4	40	
Aroclor-1254			51	13.2		15.70	4	40	
Aroclor-1260			51	11.7		** 88.68	4	40	
Aroclor-1262			51	9.9		22.28	4	40	
Aroclor-1268			51	9.9		** 45.88	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0069.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.514		5038	2162
1.556		6201	5027
1.583		3634	3053
1.657		145577	257553
1.708		55137	64347
1.758		88532	87604
1.791		147218	129532
1.862		3589	1879
1.928		14454	13039
1.998		10172	9389
2.019		7231	6278
2.082		80332	56486
2.127		11069	7289
2.185		14226	20861
2.224		1446483	999383
2.255		9315	4560
2.294		27256	17184
2.317		25280	19030
2.347		4905	2871
2.41		10283	6783
2.427		11585	8198
2.456		4563	3253
2.485		1231078	783033
2.532		77054	55809
2.567		17841	18183
2.601		244367	157130
2.636		11415	8523
2.668		2625	1879
2.688		59860	40150
2.758		8526	8756
2.8		18806	11688
2.844		189180	179831
2.942		11259	7726
2.974		19431	13990
3.029	TCX	21058610	13530160
3.181		7775	12783
3.206		3934	2673
3.231		247743	157932
3.294		5669	5140
3.34		3519	1434
3.363		40575	30477
3.407		5088	2689
3.428		21470	17651
3.462		17990	31117
3.485		2658	1614
3.537		21357	20640
3.575		30511	26364
3.596		11693	6954
3.618		12665	6917
3.637		6611	3520
3.661		6487	6606
3.698		112852	83631
3.729		14059	13285

RT A	Compound A	Height A	Area A
3.769		101887	84504
3.826		15542	23004
3.848		15637	13879
3.876		3810	2208
3.903		8792	8745
3.928		1059	354
3.939		1142	205
3.944		3845	1693
4.001		1342	977
4.014		2813	1364
4.053		8387	9054
4.093		13956	11035
4.143		921	518
4.186		4482	2414
4.236		8954	7168
4.267		1818	1444
4.3		1570	447
4.309		2240	1205
4.342		2093	934
4.358		9352	7251
4.381		14638	10941
4.406		1831	438
4.514		18584	21946
4.61		4748	3179
4.662		22565	23958
4.716		42618	40738
4.776		3929	3458
4.863		10225	8911
4.948		2927	1981
4.963		1421	343
4.976		2635	1595
4.99		4948	4101
5.029		167161	159262
5.063		5467	5828
5.122		7195	5351
5.158		10868	9723
5.195		3456	2753
5.217		20625	18092
5.271		197876	187882
5.314		4092	2671
5.353		6623	4913
5.381		5010	4719
5.422		2528	3359
5.517		2536	984
5.541		2699	1513
5.594		10567	12087
5.62		4997	3161
5.678		135250	130983
5.773		1614	573
5.8		192192	185515
5.888		3069	2369
5.981		8390	8654
6.029		7825	11885
6.112		2112	2115
6.17		124658	121938
6.234		171162	147002
6.408		3091	4211
6.477		3703	4616
6.607		72198	70011
6.753	DCB	6789696	6812565
7.093		1716	926
7.146		1245	616
7.293		1241	593
7.326		1316	500
7.606		1777	562
7.939		1653	394

RT A	Compound A	Height A	Area A
8.064		1338	561
8.173		2075	935
8.188		1492	767
8.244		1533	1800
8.333		1472	358
8.613		1507	365

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0069.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.571		57806	65614
1.655		3562	5852
1.766		4605	5669
1.872		33053	29065
1.942		11941	11709
1.99		605944	518426
2.048		19187	22399
2.109		10153	11835
2.177		6863	5595
2.237		543895	413469
2.325		108804	79611
2.391		32313	27295
2.434		5487	4702
2.48		2010	1482
2.517		6834	5846
2.561		77080	52305
2.588		42346	27647
2.615		4746	6574
2.683		4042	4577
2.72		8096	4804
2.748	TCX	9940568	7264655
2.869		9050	6571
2.968		144018	114714
2.997		10409	9697
3.035		5399	6613
3.059		16989	13267
3.086		32141	30816
3.129		6963	7616
3.177		2803	2280
3.197		2622	1428
3.222		8296	11656
3.254		10999	10564
3.285		18809	15308
3.322		11912	15120
3.385		63278	59682
3.434		3408	6722
3.462		67794	47255
3.504		3549	3401
3.518		3364	2711
3.573		5537	6178
3.604		3158	2680
3.639		6762	6892
3.684		5275	5249
3.725		7344	8019
3.799		2534	3217
3.856		2479	2007
3.884		7976	6238
3.915		8097	5868
3.944		4812	3245
3.99		7896	7244
4.025		2973	2078
4.044		12629	8920
4.143		2472	3339
4.196		12129	11262

4.248		3823	2772
4.264		2236	1334
4.286		3613	2529
4.309		10016	6174
4.331		25917	18991
4.402		3862	2881
4.519		13176	12843
4.556		3257	4281
4.632		117522	122242
4.764		13341	18123
4.82		15840	14192
4.87		137455	128732
4.947		5038	5988
5.045		2805	5769
5.127		6171	4882
5.152		4209	3230
5.195		15264	16320
5.253		3282	5752
5.273		86406	74014
5.32		4383	3675
5.395		152965	143777
5.447		2195	2343
5.535		3037	2095
5.582		10085	10756
5.737		110746	105509
5.805		185361	172584
5.853		52037	47957
6.158		68183	62103
6.319	DCB	6170574	6179077
6.795		2936	3995
8.634		2425	3070

BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8(

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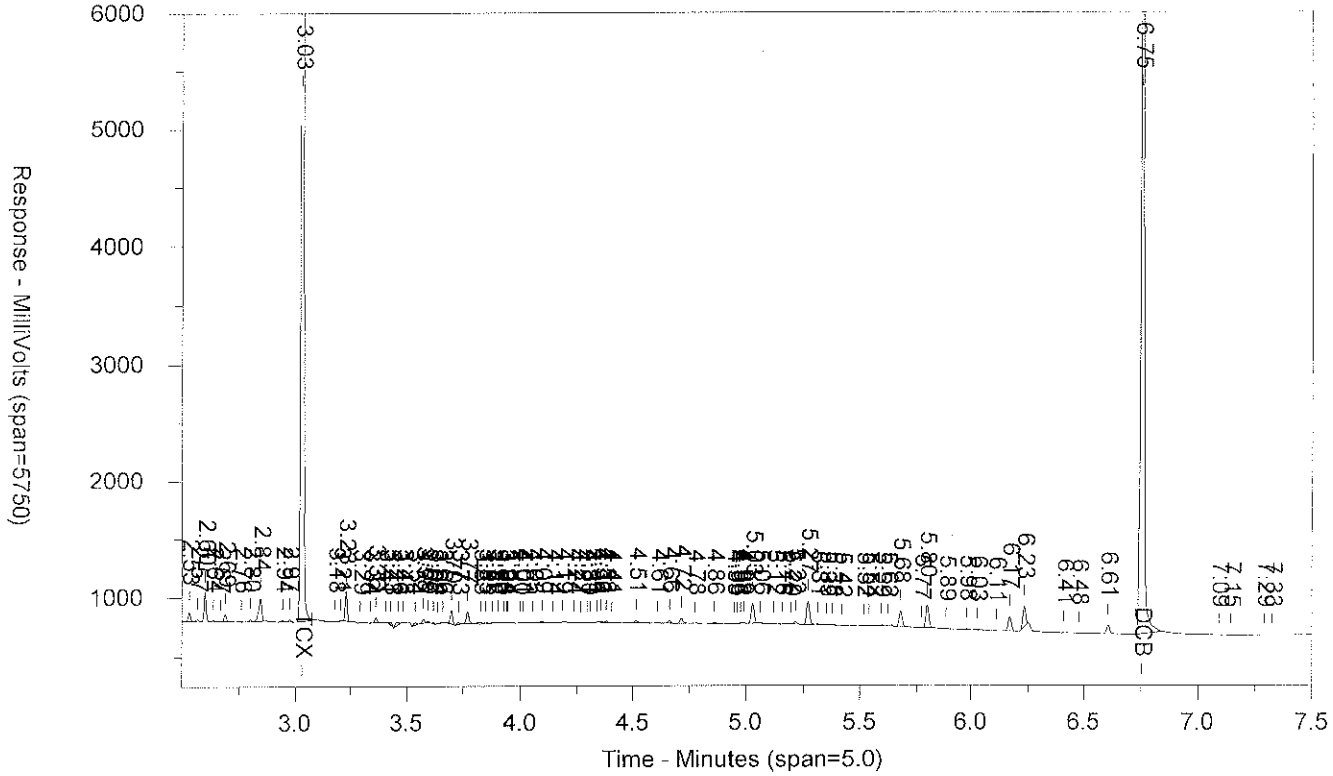

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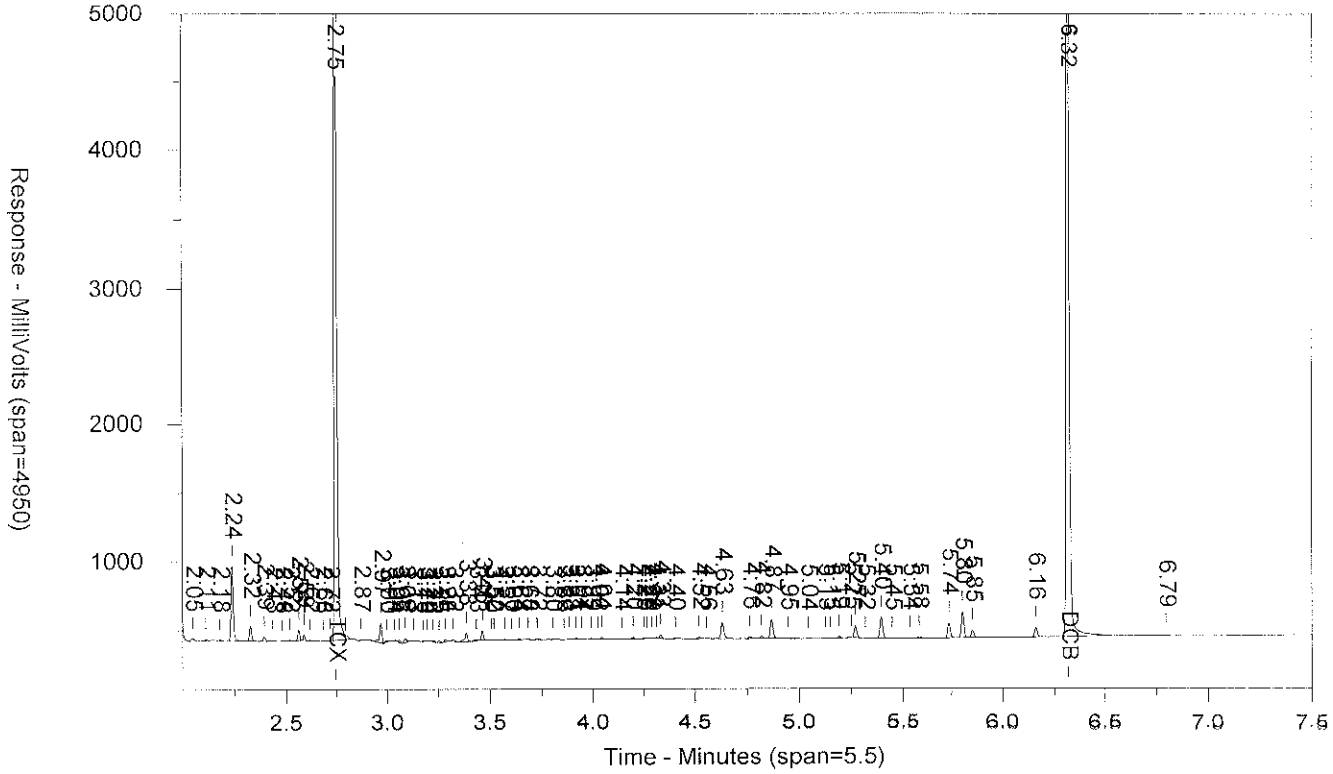

LANCASTER LABORATORIES

Sample Number: BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:28:28 AM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	21058610	33.165	TCX	2.748	9940568	32.748	TCX
6.753	6789696	26.603	DCB	6.319	6170574	26.743	DCB

Files:
Area File: 07PCBS17292003.0069.RAW
Area File: 07PCBS17292003B.0069.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:37:08 AM
File Reported On: 10/24/2017 at 8:37:28 AM

BLANKA 10/14/17 ACFABPBLK14286 BLK 172860014A 10225 SW-846 8(

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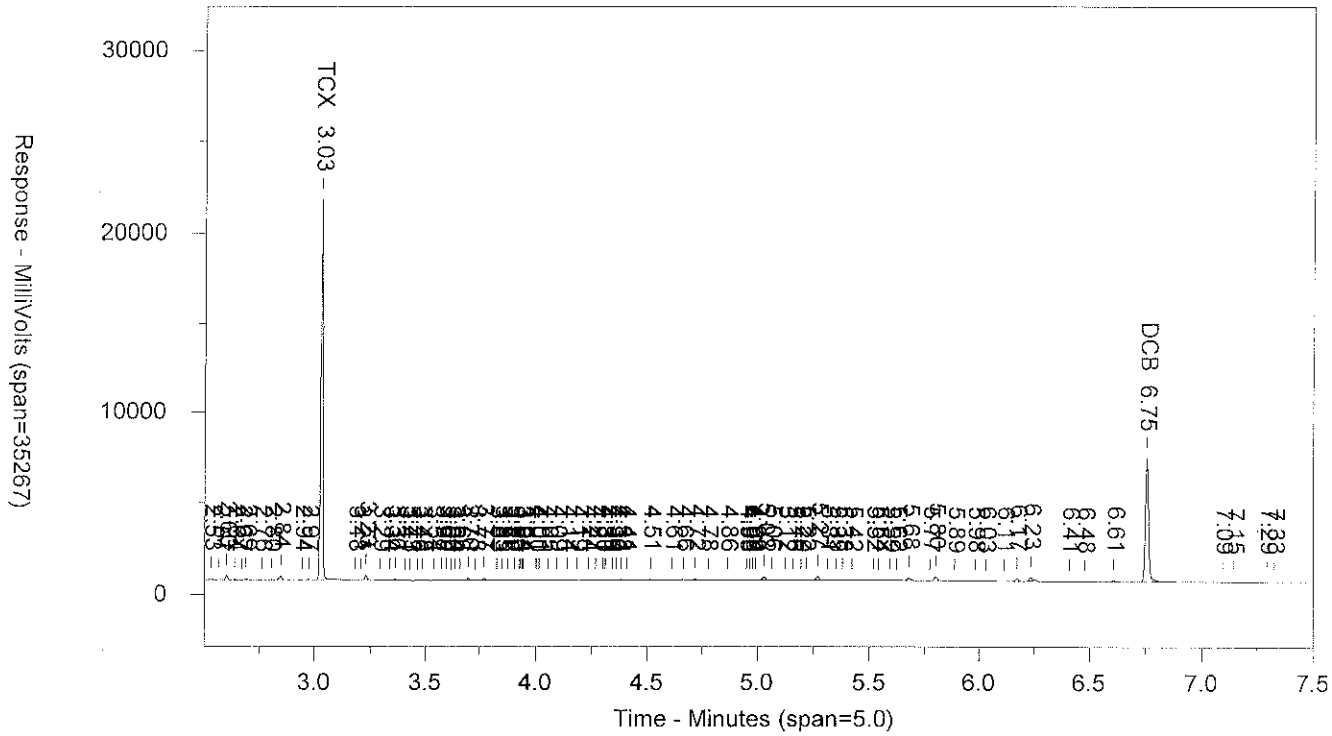

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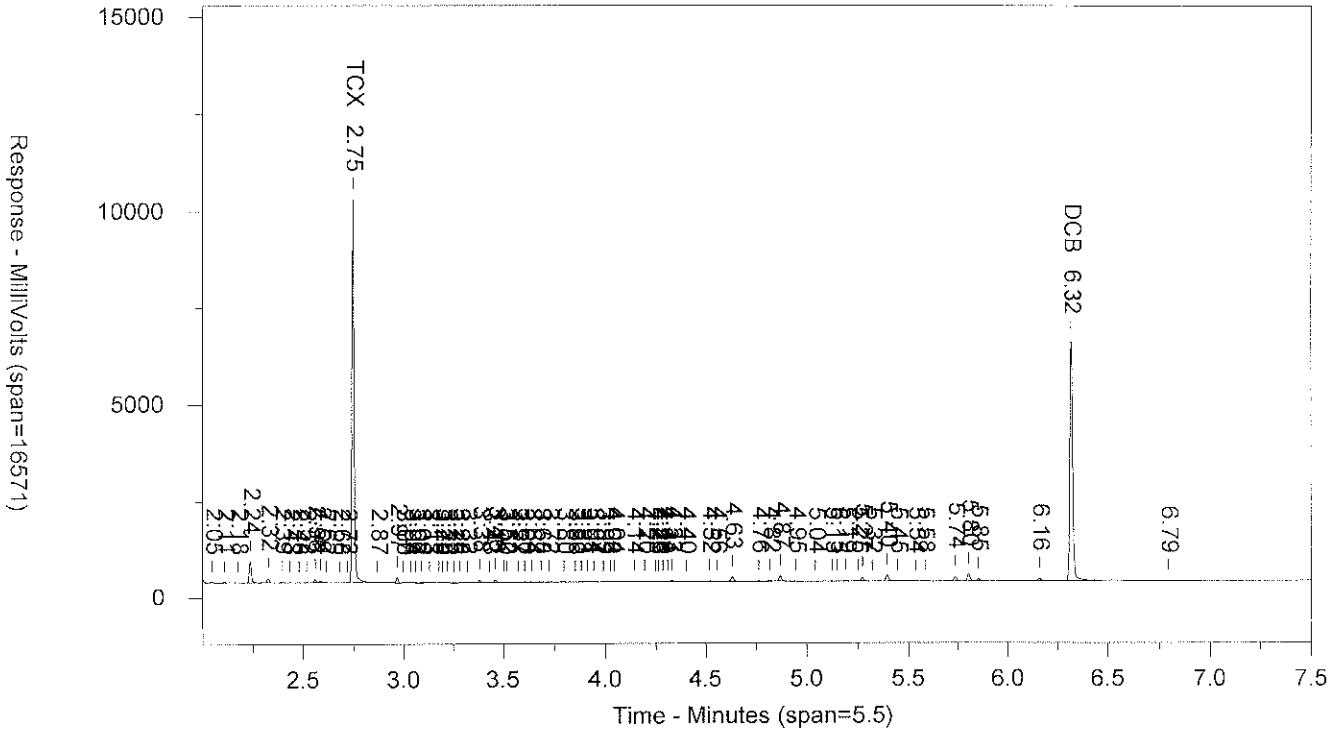

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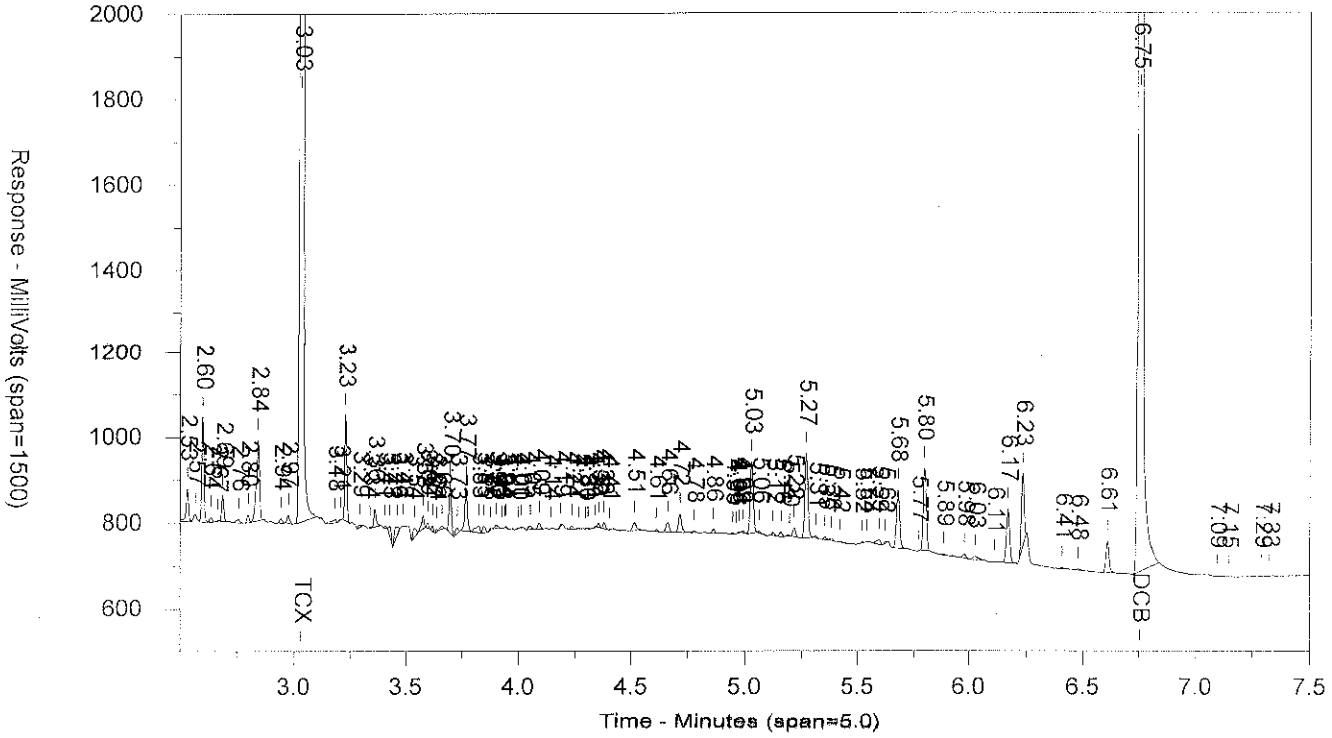

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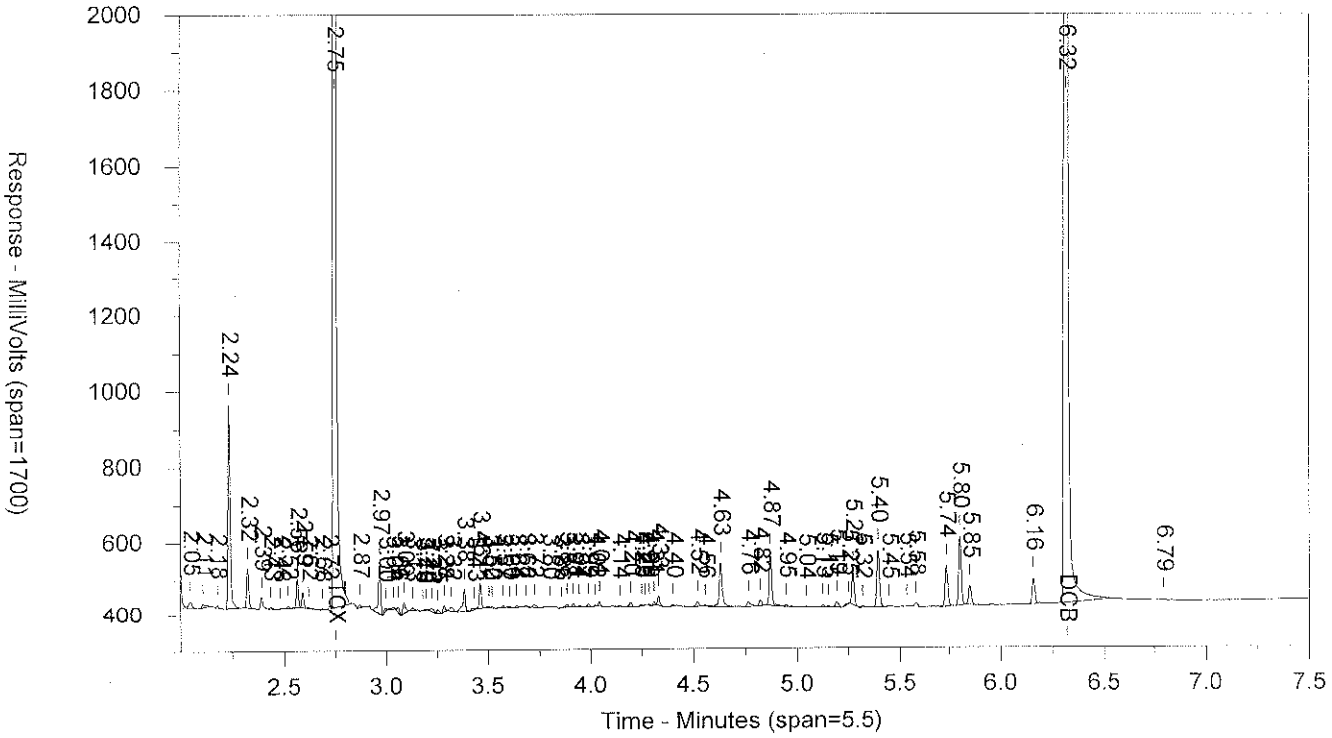

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Environmental

Data Summary

Sample Name: 9229551 MS ACF DF10 04A03 MS Sample ID:AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on Oct 24, 2017 09:59:56
Instrument 19843A
Result file 07PCBS17292003.0077.RAW
Calibration file 07PCBS1729202
Method file 07PCBS

%SSR(TCX) 70% (61 - 152) Conc: 20.74358
%SSR(DCB) 99% (48 - 164) Conc: 26.06409

Analysis Report (B)

Injected on Oct 24, 2017 09:59:56
Instrument 19843B
Result file 07PCBS17292003B.0077.RAW
Calibration file 07PCBS1729202B
Method file 07PCBSB

%SSR(TCX) 78% (61 - 152) Conc: 23.24211
%SSR(DCB) 85% (48 - 164) Conc: 22.41729

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1351372	20.74358
Decachlorobiphenyl	6.72	6.75	6.78	682519	26.06409

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	723854	23.24211
Decachlorobiphenyl	6.29	6.32	6.35	530700	22.41729

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	23.24211				11.36	
Tetrachloro-m-xylene-D1	A	20.74358					
Tetrachloro-m-xylene-D2	B	23.24211					
Decachlorobiphenyl	A	26.06409				15.04	
Decachlorobiphenyl-D1	A	26.06409					
Decachlorobiphenyl-D2	B	22.41729					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**29.11**	
3.27	3.29	3.31	391139.2	380.657636			1
3.48	3.50	3.52	433069	405.560522			2
3.60	3.62	3.64	476207.4	386.743028			3
3.82	3.84	3.86	628064.9	437.954657			4
3.88	3.90	3.92	516849.6	430.993709			5
4.08	4.10	4.12	653100.6	733.432014			6
Height summation:			**3098430.7**				
Concentration		CF:	**462.556928**	L:			
Aroclor-1260						**12.56**	
4.88	4.90	4.92	10774080	5911.238354			1
5.29	5.31	5.33	18494210	7721.610718			2
5.36	5.38	5.40	7264296	5992.434611			3
5.52	5.54	5.56	7911554	6307.899736			4
5.76	5.77	5.80	23397620	7841.64373			5
5.96	5.98	6.00	12605840	6872.83153			6
Height summation:			**80447600**				
Concentration		CF:	**6774.60978**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**50.43**	
3.02	3.05	3.06	174230.5	316.977274			1
3.35	3.37	3.39	310426.1	465.952477			2
3.54	3.56	3.58	291616.3	438.885029			3
3.62	3.64	3.66	345993.9	500.670787			4
3.68	3.69	3.72	600450.6	1151.411773			5
3.79	3.80	3.83	462237.8	797.604863			6
Height summation:			**2184955.2**				
Concentration		CF:	**611.917034**	L:			
Aroclor-1260						**11.08**	
4.64	4.65	4.68	9234752	6677.078339			1
4.75	4.76	4.78	7041838	5856.52274			2
4.88	4.89	4.92	10441450	7618.890688			3
5.11	5.12	5.15	5159304	5737.68005			4
5.30	5.32	5.34	14890980	7103.50584			5
5.56	5.58	5.60	8980352	6362.719094			6
Height summation:			**55748676**				
Concentration		CF:	**6559.399459**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:01

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229551 MS ACF DF10 04A03 MS Sample ID:AC **Batchnumber: 172860014A**

Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 09:59:56
Instrument	19843A
Result file	07PCBS17292003.0077.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 24, 2017 09:59:56
Instrument	19843B
Result file	07PCBS17292003B.0077.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	611.917034	497.076	96.4912		27.80	4	
PCB-1221			<497.076	<149.1228			3	
PCB-1232			<497.076	<119.883			4	
PCB-1242			<497.076	<119.883			4	
PCB-1248			<497.076	<96.4912			4	
PCB-1254			<497.076	<128.655			4	
PCB-1260	A	6774.60978	497.076	114.0351		3.23	4	
PCB-1262			<497.076	<96.4912			4	
PCB-1268			<497.076	<96.4912			4	
Total PCBs	A	7386.526814	497.076	96.4912				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:01

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229551** MS ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 70% (61-152) Conc.: 20.74358
%SSR(DCB) : 99% (48-164) Conc.: 26.06409

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	29.11	
3.27	3.29	3.31	391139.2	380.657636			1
3.48	3.50	3.52	433069	405.560522			2
+ 3.48	3.52	3.52	205964.6	192.881759			2
3.60	3.62	3.64	476207.4	386.743028			3
3.82	3.84	3.86	628064.9	437.954657			4
3.88	3.90	3.92	516849.6	430.993709			5
4.08	4.10	4.12	653100.6	733.432014			6
Height Summation:			**3098430.7**				
Amount Avg CF:			**462.556928**	Linear:			
Aroclor-1221					3	15.65	
3.16	3.18	3.20	95250.76	181.046234			1
3.22	3.24	3.26	85418.87	188.322919			2
3.27	3.29	3.31	391139.2	239.333652			3
Height Summation:			**571808.83**				
Amount Avg CF:			**202.900935**	Linear:			
Aroclor-1232					6	50.59	
3.26	3.29	3.30	391139.2	312.478066			1
3.48	3.50	3.52	433069	873.941431			2
+ 3.48	3.52	3.52	205964.6	415.640457			2
3.60	3.62	3.64	476207.4	825.354604			3
3.82	3.84	3.86	628064.9	889.768897			4
3.88	3.90	3.92	516849.6	971.809707			5
+ 4.08	4.08	4.12	3452.099	9.473064			6
4.08	4.10	4.12	653100.6	1792.203477			6
Height Summation:			**3098430.7**				
Amount Avg CF:			**944.259364**	Linear:			
Aroclor-1242					6	32.15	
3.27	3.29	3.31	391139.2	444.314093			1
3.48	3.50	3.52	433069	488.75793			2
+ 3.48	3.52	3.52	205964.6	232.449867			2
3.60	3.62	3.64	476207.4	464.250289			3
3.82	3.84	3.86	628064.9	508.144302			4
3.88	3.90	3.92	516849.6	557.891513			5
4.08	4.10	4.12	653100.6	927.322041			6
Height Summation:			**3098430.7**				
Amount Avg CF:			**565.113361**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 78% (61-152) Conc.: 23.24211
%SSR(DCB) : 85% (48-164) Conc.: 22.41729

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	50.43	
+ 3.02	3.03	3.06	132511.3	241.077599			1
3.02	3.05	3.06	174230.5	316.977274			1
3.35	3.37	3.39	310426.1	465.952477			2
+ 3.54	3.55	3.58	32491.75	48.900362			3
3.54	3.56	3.58	291616.3	438.885029			3
3.62	3.64	3.66	345993.9	500.670787			4
3.68	3.69	3.72	600450.6	1151.411773			5
+ 3.68	3.71	3.72	163282.8	313.107753			5
3.79	3.80	3.83	462237.8	797.604863			6
Height Summation:			**2184955.2**				
Amount Avg CF:			**611.917034**	Linear:			
Aroclor-1221					3	18.58	
2.90	2.92	2.94	58176.52	180.371748			1
2.96	2.98	3.00	48647.88	260.953104			2
+ 3.02	3.03	3.06	132511.3	162.100759			3
3.02	3.05	3.06	174230.5	213.135757			3
Height Summation:			**281054.9**				
Amount Avg CF:			**218.153536**	Linear:			
Aroclor-1232					6	71.21	
+ 3.02	3.03	3.06	132511.3	204.955472			1
3.02	3.05	3.06	174230.5	269.482635			1
3.35	3.37	3.39	310426.1	1001.796596			2
+ 3.54	3.55	3.58	32491.75	102.600025			3
3.54	3.56	3.58	291616.3	920.844204			3
3.62	3.64	3.66	345993.9	1147.85057			4
E 3.68	3.69	3.72	600450.6	3116.387088			5
+ 3.68	3.71	3.72	163282.8	847.450914			5
E 3.79	3.80	3.83	462237.8	1962.667547			6
Height Summation:			**2184955.2**				
Amount Avg CF:			**1403.17144**	Linear:			
Aroclor-1242					6	55.20	
+ 3.02	3.03	3.06	132511.3	280.232758			1
3.02	3.05	3.06	174230.5	368.459849			1
3.35	3.37	3.39	310426.1	551.090737			2
+ 3.54	3.55	3.58	32491.75	55.547869			3
3.54	3.56	3.58	291616.3	498.546984			3
3.62	3.64	3.66	345993.9	617.499021			4
3.68	3.69	3.72	600450.6	1483.943767			5
+ 3.68	3.71	3.72	163282.8	403.534435			5
3.79	3.80	3.83	462237.8	971.372315			6
Height Summation:			**2184955.2**				
Amount Avg CF:			**748.485445**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229551** MS ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**95.71**	
3.82	3.84	3.86	628064.9	798.264641			1
3.88	3.90	3.92	516849.6	786.041417			2
3.95	3.97	3.99	929445.5	829.240535			3
+ 4.08	4.08	4.12	3452.099	2.752217			4
4.08	4.10	4.12	653100.6	520.690398			4
4.17	4.19	4.21	607189.2	580.59148			5
4.36	4.36	4.40	3394446	3378.338791			6
+ 4.36	4.38	4.40	321396.2	319.871122			6
Height Summation:			**6729095.8**				
Amount Avg CF:			**1148.86121**	Linear:			
Aroclor-1254					**6**	**92.46**	
4.69	4.71	4.73	1171216	954.674016			1
+ 4.69	4.73	4.73	670789.9	546.769928			1
4.76	4.78	4.80	5822325	2393.869218			2
E 4.88	4.90	4.92	10774080	14547.948332			3
4.97	4.99	5.01	2691885	1696.464251			4
5.17	5.20	5.21	7063130	5693.006788			5
E 5.29	5.31	5.33	18494210	11678.911133			6
Height Summation:			**46016846**				
Amount Avg CF:			**6160.81229**	Linear:			
Aroclor-1260					**6**	**12.56**	
4.88	4.90	4.92	10774080	5911.238354			1
5.29	5.31	5.33	18494210	7721.610718			2
5.36	5.38	5.40	7264296	5992.434611			3
5.52	5.54	5.56	7911554	6307.899736			4
5.76	5.77	5.80	23397620	7841.64373			5
5.96	5.98	6.00	12605840	6872.83153			6
Height Summation:			**80447600**				
Amount Avg CF:			**6774.60978**	Linear:			
Aroclor-1262					**6**	**31.33**	
E 5.35	5.38	5.39	7264296	3706.538631			1
E 5.52	5.54	5.56	7911554	4692.320096			2
E 5.75	5.77	5.79	23397620	6653.38174			3
E 5.96	5.98	6.00	12605840	5524.58381			4
E 6.01	6.03	6.05	2842732	2640.312737			5
E 6.38	6.41	6.42	4663390	3974.546366			6
Height Summation:			**58685432**				
Amount Avg CF:			**4531.94723**	Linear:			
Aroclor-1268					**6**	**121.76**	
E 5.96	5.98	5.99	12605840	2966.384758			1
6.01	6.03	6.05	2842732	780.851866			2
+ 6.15	6.15	6.19	67572.9	20.144463			3
6.15	6.17	6.19	94391.79	28.139563			3
6.21	6.22	6.25	263473.2	293.611252			4
E 6.38	6.41	6.42	4663390	3523.390781			5
6.58	6.61	6.62	791541.9	77.138969			6
Height Summation:			**21261368.89**				
Amount Avg CF:			**1278.252865**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**66.61**	
+ 3.54	3.55	3.58	32491.75	99.865559			1
3.54	3.56	3.58	291616.3	896.302136			1
3.62	3.64	3.66	345993.9	876.731394			2
3.68	3.69	3.72	600450.6	1034.497818			3
+ 3.68	3.71	3.72	163282.8	281.3149			3
3.79	3.80	3.83	462237.8	574.174012			4
+ 3.88	3.88	3.92	177400.7	364.417836			5
3.88	3.90	3.92	269276.6	553.149992			5
4.02	4.04	4.06	2497735	2463.308762			6
Height Summation:			**4467310.2**				
Amount Avg CF:			**1066.360686**	Linear:			
Aroclor-1254					**6**	**93.91**	
4.34	4.35	4.38	1172412	1373.645849			1
4.40	4.42	4.44	1777229	1199.61241			2
+ 4.40	4.43	4.44	1047485	707.042258			2
E 4.50	4.51	4.54	7230523	10090.172654			3
4.57	4.58	4.61	1236294	1346.949618			4
E 4.64	4.65	4.68	9234752	15822.100645			5
E 4.88	4.89	4.92	10441450	9550.38			6
Height Summation:			**31092660**				
Amount Avg CF:			**6563.810196**	Linear:			
Aroclor-1260					**6**	**11.08**	
4.64	4.65	4.68	9234752	6677.078339			1
4.75	4.76	4.78	7041838	5856.52274			2
4.88	4.89	4.92	10441450	7618.890688			3
5.11	5.12	5.15	5159304	5737.68005			4
5.30	5.32	5.34	14890980	7103.50584			5
5.56	5.58	5.60	8980352	6362.719094			6
Height Summation:			**55748676**				
Amount Avg CF:			**6559.399458**	Linear:			
Aroclor-1262					**6**	**36.29**	
E 4.91	4.93	4.95	3740439	2881.851018			1
E 5.11	5.12	5.15	5159304	3786.740568			2
E 5.30	5.32	5.34	14890980	5856.940029			3
E 5.52	5.53	5.56	2163089	2214.412385			4
E 5.56	5.58	5.60	8980352	5093.479777			5
E 5.94	5.96	5.98	3061386	3156.396515			6
Height Summation:			**37995550**				
Amount Avg CF:			**3831.636715**	Linear:			
Aroclor-1268					**6**	**124.99**	
5.52	5.53	5.56	2163089	710.273549			1
E 5.56	5.58	5.60	8980352	2896.726722			2
5.72	5.73	5.76	161695.3	60.935149			3
5.79	5.80	5.82	54758	78.927249			4
+ 5.79	5.82	5.82	50258.71	72.442049			4
E 5.94	5.96	5.98	3061386	2884.982724			5
6.14	6.16	6.18	616965	70.279923			6
Height Summation:			**15038245.3**				
Amount Avg CF:			**1117.020886**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229551** MS ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.26 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0077.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 09:59:56
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0077.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			497.076	96.4912		27.80	4	40	
Aroclor-1221			497.076	149.1228		7.24	3	40	
Aroclor-1232			497.076	119.883		39.10	4	40	
Aroclor-1242			497.076	119.883		27.92	4	40	
Aroclor-1248			497.076	96.4912		7.45	4	40	
Aroclor-1254			497.076	128.655	E	6.33	4	40	
Aroclor-1260			497.076	114.0351		3.23	4	40	
Aroclor-1262			497.076	96.4912	E	16.75	4	40	
Aroclor-1268			497.076	96.4912	E	13.46	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:59:56 AM
Injection Volume: 1 ul
Analyst: 9065
Instrument ID: CP7-19843A
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0077.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.511		38759	41431
1.553		32581	26219
1.605		60277	132301
1.659		193020	239142
1.708		65498	93972
1.73		57188	63738
1.766		85383	103734
1.786		22192	13364
1.812		69193	94705
1.833		73206	106066
1.862		42381	36016
1.878		39947	29455
1.892		43396	35525
1.91		42600	33164
1.934		45973	54949
1.955		41536	48075
1.976		40019	37882
2.002		50162	43288
2.019		45493	42402
2.046		31485	25624
2.07		23792	16565
2.088		42941	38125
2.132		97357	137686
2.193		54102	86051
2.233		43131	79615
2.26		25140	18581
2.292		234351	159035
2.31		10672	5336
2.338		9280	4175
2.359		30477	27987
2.378		13051	6338
2.4		56592	76406
2.435		25409	14411
2.466		33526	25675
2.484		43166	38441
2.513		20058	19548
2.538		22500	25076
2.571		9827	5832
2.608		22180	18104
2.646		13209	6638
2.662		16378	14165
2.7		8368	5122
2.727		44645	30863
2.747		422972	268232
2.796		10434	12385
2.837		19901	20684
2.864		12510	7190
2.886		3095	1522
2.9		17106	10218
2.928		6940	3698
2.98		25501	40270
3.028	TCX	1351372	901001
3.079		11755	9566

RT A	Compound A	Height A	Area A
3.101		7725	4693
3.116		6425	3542
3.143		5410	3415
3.181		95251	85112
3.238		85419	77382
3.286		391139	274050
3.31		5184	2575
3.352		503945	388335
3.379		51557	33962
3.407		4081	2061
3.43		5694	3470
3.459		8008	7996
3.502		433069	255541
3.52		205965	112653
3.557		38487	20818
3.573		46367	22927
3.587		22201	10332
3.619		476207	342498
3.648		2549	1797
3.669		11778	7871
3.694		109824	70096
3.73		99928	57793
3.746		49804	25289
3.792		256394	133887
3.804		450205	260687
3.843		628065	517010
3.903		516850	386783
3.945		68209	45298
3.973		929446	678306
4.002		506493	506356
4.023		134616	63835
4.041		16722	19824
4.081		3452	2518
4.102		653101	465874
4.127		217734	144841
4.158		294605	214873
4.193		607189	706310
4.236		166666	137188
4.267		25313	14028
4.282		37550	21934
4.321		145929	101000
4.359		3394446	2493185
4.378		321396	159778
4.404		779814	628404
4.473		894471	741861
4.517		4491117	4363464
4.552		1230530	992460
4.594		107246	74431
4.617		222104	169593
4.659		1588992	1507564
4.713		1171216	807771
4.73		670790	539314
4.775		5822325	4984288
4.824		4098770	4514230
4.862		1418332	1010498
4.902		10774080	9651615
4.95		382827	357151
4.993		2691885	2664364
5.026		151156	100710
5.052		2109998	1894885
5.104		11426060	9016728
5.121		777683	450050
5.156		2206336	1939084
5.196		7063130	7109008
5.239		360816	243532
5.276		1302712	1615079

RT A	Compound A	Height A	Area A
5.311		18494210	15934310
5.333		734710	357106
5.352		385545	170935
5.375		7264296	6249439
5.418		4701606	4447682
5.455		7669	6144
5.517		1527544	1235462
5.538		7911555	6196969
5.595		4221750	3702862
5.635		2467897	2292381
5.676		385769	395208
5.718		2868456	2572682
5.746		202402	121329
5.774		23397620	21652470
5.861		8242	11217
5.921		3283	2535
5.98		12605850	11703300
6.033		2842732	5528958
6.148		67573	47863
6.168		94392	72458
6.199		4105	1813
6.225		263473	204688
6.251		1835619	1667957
6.316		23183	25144
6.376		13743	8523
6.406		4663391	4193995
6.45		230614	211236
6.542		2148	1287
6.607		791542	756113
6.722		4211	3056
6.753	DCB	682519	669714
6.787		6823	5515
6.823		11319	10990
6.922		1761	1547
7.022		9462	9913
7.101		1487	945
7.157		11931	13189
7.237		1696	1870
7.294		3681	4650
7.347		1411	561
7.397		1767	833
7.474		4104	5408
7.515		1592	1564
7.564		3388	3883
7.616		2062	3182
7.689		5275	7645
7.83		2069	3218
7.912		1663	1828
7.983		3211	2864
8.024		1995	1102
8.172		4166	5295
8.237		6976	12177
8.288		1101	737
8.323		5341	7377
8.402		1033	1258
8.469		2637	2304
8.492		1675	382
8.586		2136	2321
8.632		5009	7983

LANCASTER LABORATORIES

Sample Number: 9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:59:56 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0077.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.599		26816	40996
1.638		9255	8479
1.663		4569	2493
1.69		6017	5941
1.759		9224	9737
1.79		6926	4872
1.823		7602	10703
1.848		8684	8102
1.91		35065	57745
1.95		8007	8853
1.975		9741	10082
1.992		14797	15084
2.02		8676	7068
2.041		22245	18310
2.077		130139	107123
2.127		4136	4245
2.142		6922	3759
2.167		5510	4062
2.189		5802	4694
2.222		10040	13847
2.283		10807	12198
2.311		6105	4391
2.338		3723	2206
2.356		4517	2564
2.446		19462	42460
2.492		249008	179197
2.564		3078	2623
2.592		2499	1823
2.621		7388	6462
2.671		6377	6220
2.705		5596	4729
2.747	TCX	723854	498304
2.79		23724	18637
2.919		58177	40785
2.947		6973	4527
2.981		48648	40297
3.034		132511	69838
3.047		174231	90719
3.147		33324	25009
3.171		6456	5189
3.243		321093	369190
3.295		33244	21555
3.317		41537	26487
3.343		21242	11369
3.367		310426	233806
3.404		73821	49631
3.449		76309	42462
3.465		36504	18353
3.516		119036	64807
3.526		274776	138731
3.547		32492	13888
3.561		291616	234718
3.636		345994	248827
3.67		593300	401525

3.694		600451	361369
3.712		163283	82356
3.803		462238	347011
3.828		156988	92051
3.85		199978	147562
3.881		177401	100786
3.898		269277	165393
3.941		130295	119351
3.985		129094	135938
4.014		89939	56885
4.037		2497735	1817276
4.063		218632	124888
4.084		208291	120547
4.103		480992	327842
4.14		2767416	2142901
4.174		729816	507815
4.194		366177	222733
4.257		141373	111681
4.293		743841	775035
4.322		71046	57075
4.353		1172412	964796
4.398		355070	307549
4.416		1777229	1072101
4.43		1047485	549329
4.457		1064794	1127274
4.512		7230523	6281324
4.552		251541	252307
4.584		1236294	894686
4.61		1694626	1296588
4.653		9234752	7883745
4.71		131030	100970
4.762		7041838	7172177
4.815		1421151	1383173
4.857		1911876	1771695
4.895		10441450	9234320
4.928		3740439	2890863
4.968		2726889	2353493
5.039		43793	45977
5.072		878613	1081163
5.125		5159304	4202184
5.148		990729	666246
5.199		2841159	2644343
5.235		1322570	1082562
5.263		924054	773021
5.296		362746	213809
5.318		14890980	12484260
5.359		216257	162131
5.393		353956	319741
5.511		82147	51637
5.534		2163089	1885220
5.578		8980352	10043930
5.733		161695	149884
5.777		246383	210571
5.803		54758	35031
5.824		50259	31074
5.852		1235154	1135749
5.892		10142	7997
5.931		6851	4213
5.957		3061386	2749372
5.989		159086	113712
6.157		616965	591890
6.318	DCB	530700	498055
6.353		9095	6467
6.494		6088	5697
6.525		23095	21441
6.691		2046	2307
6.762		4204	3121

6.787	8328	9968
6.837	2937	4223
7.06	5230	6826
7.118	3197	4319
7.19	3698	4447
7.26	3206	4339
7.318	1641	2054
7.387	2210	2700
7.432	1289	1562
7.512	2260	2497
7.589	2851	3554
7.664	2832	4533
7.724	2036	3684
7.769	3483	4200
7.882	1984	2191
8.122	1623	2875
8.195	1634	2170
8.328	1746	2430
8.429	3212	11470
8.514	10513	27593
8.629	3164	6859

9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 808

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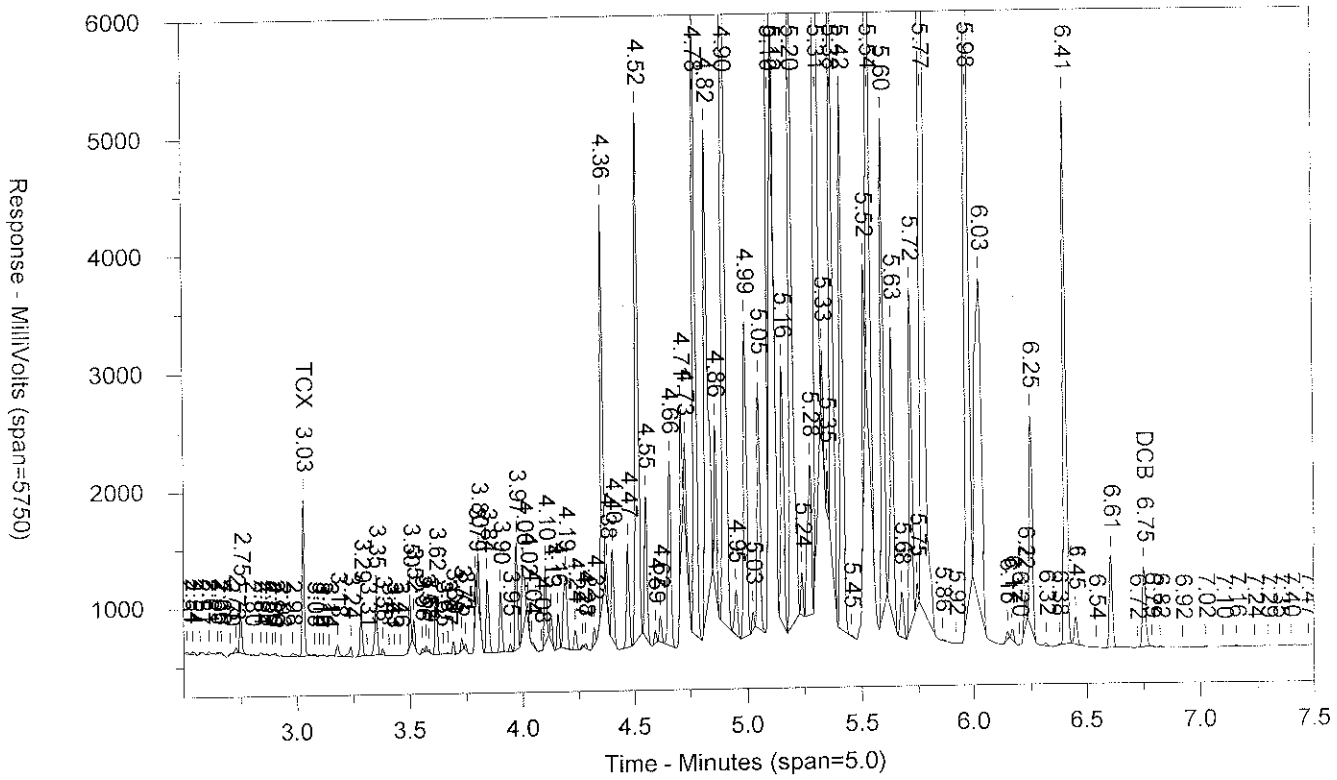

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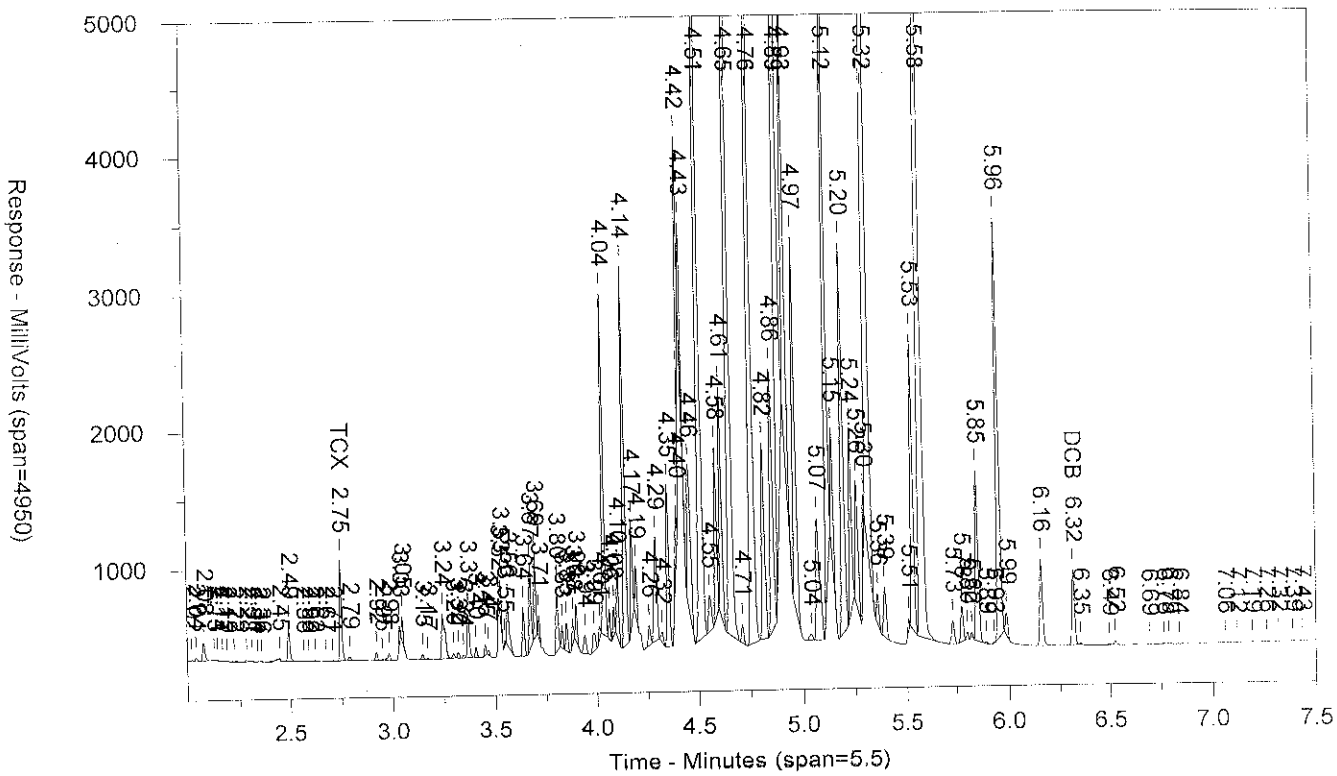

LANCASTER LABORATORIES

Sample Number: 9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 9:59:56 AM
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Sample Weight: 10.26
Dilution Factor: 100

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1351372	20.744	TCX	2.747	723854	23.242	TCX
6.753	682519	26.064	DCB	6.318	530700	22.417	DCB

Files:
Area File: 07PCBS17292003.0077.RAW
Area File: 07PCBS17292003B.0077.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 10:08:37 AM
File Reported On: 10/24/2017 at 10:08:58 AM

9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 808

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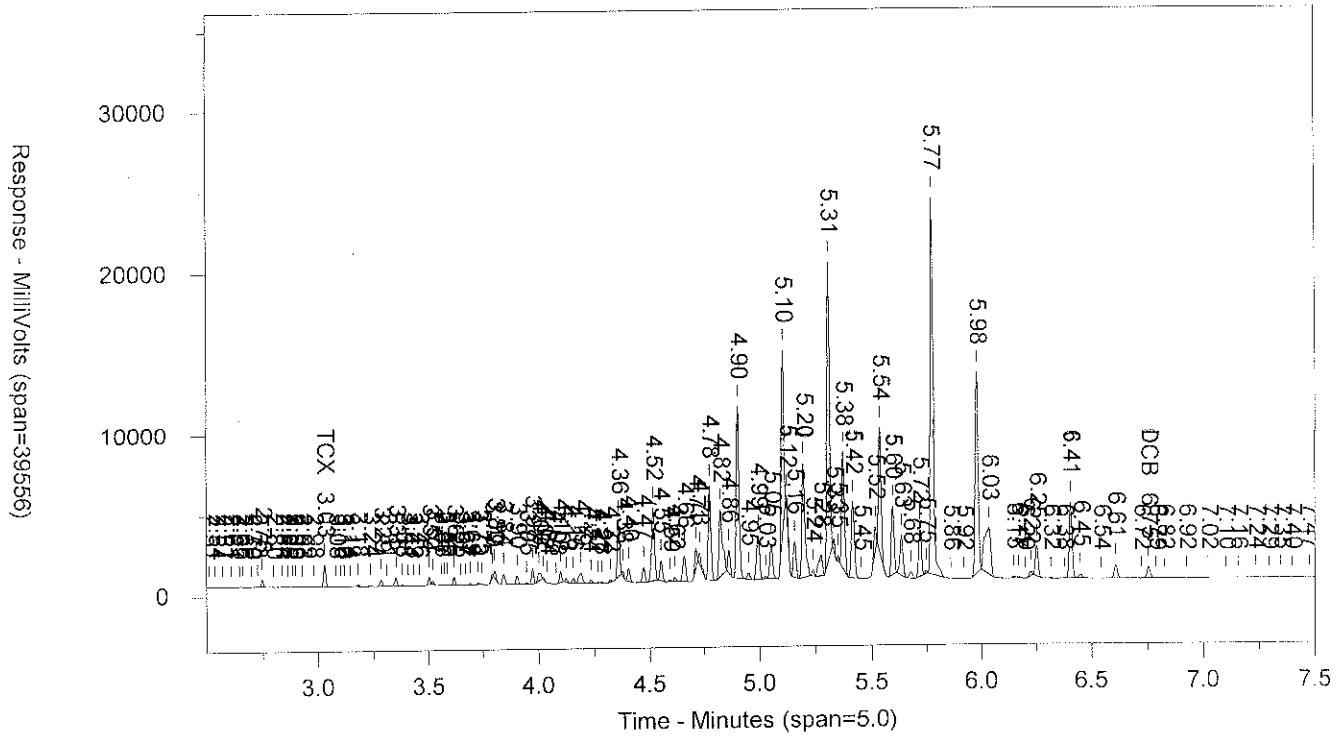

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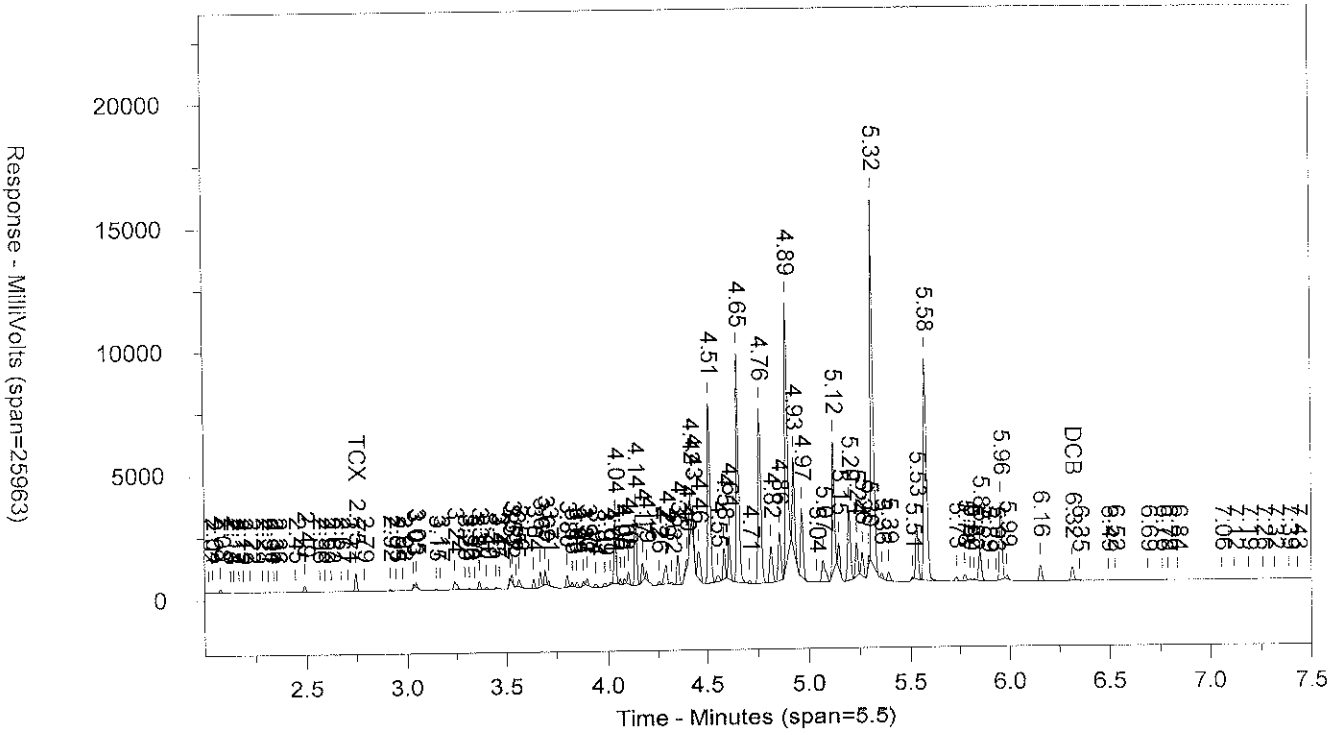

9229551MS ACF DF10 AC04A03 MS 172860014A 10225 SW-846 808

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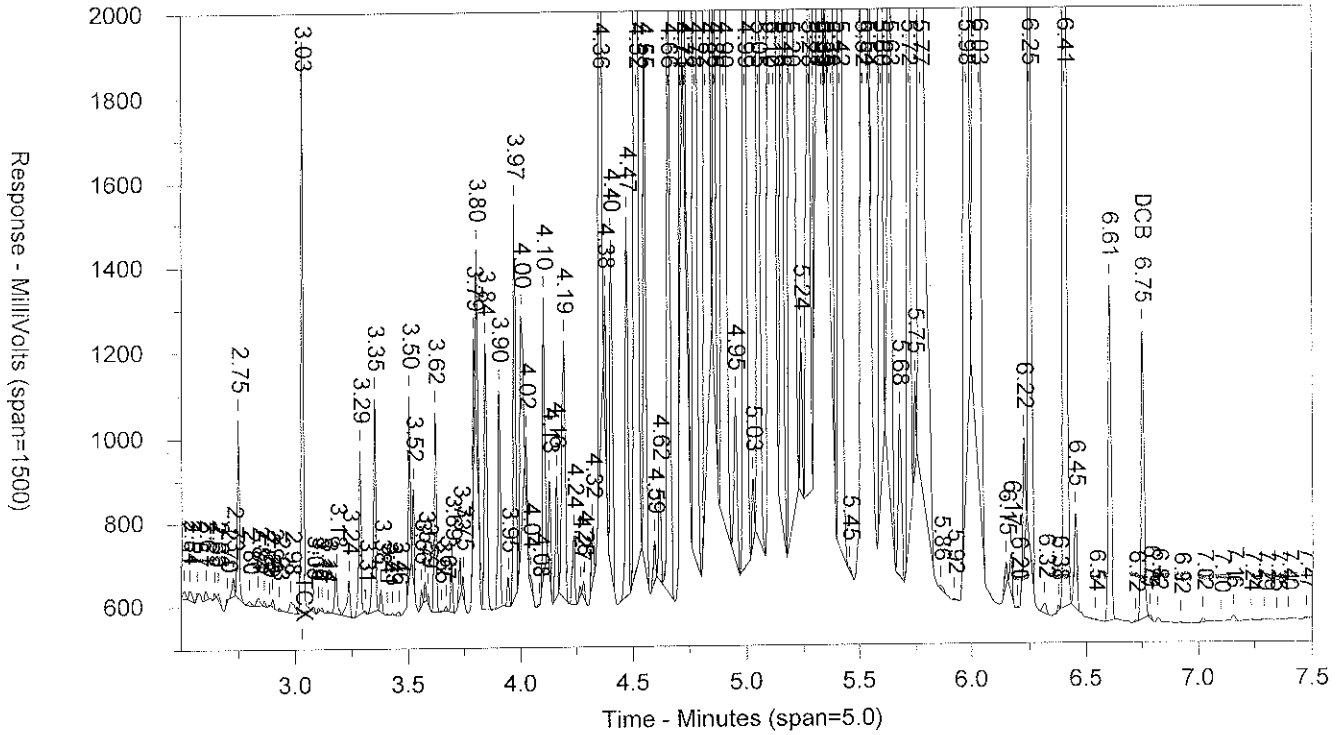

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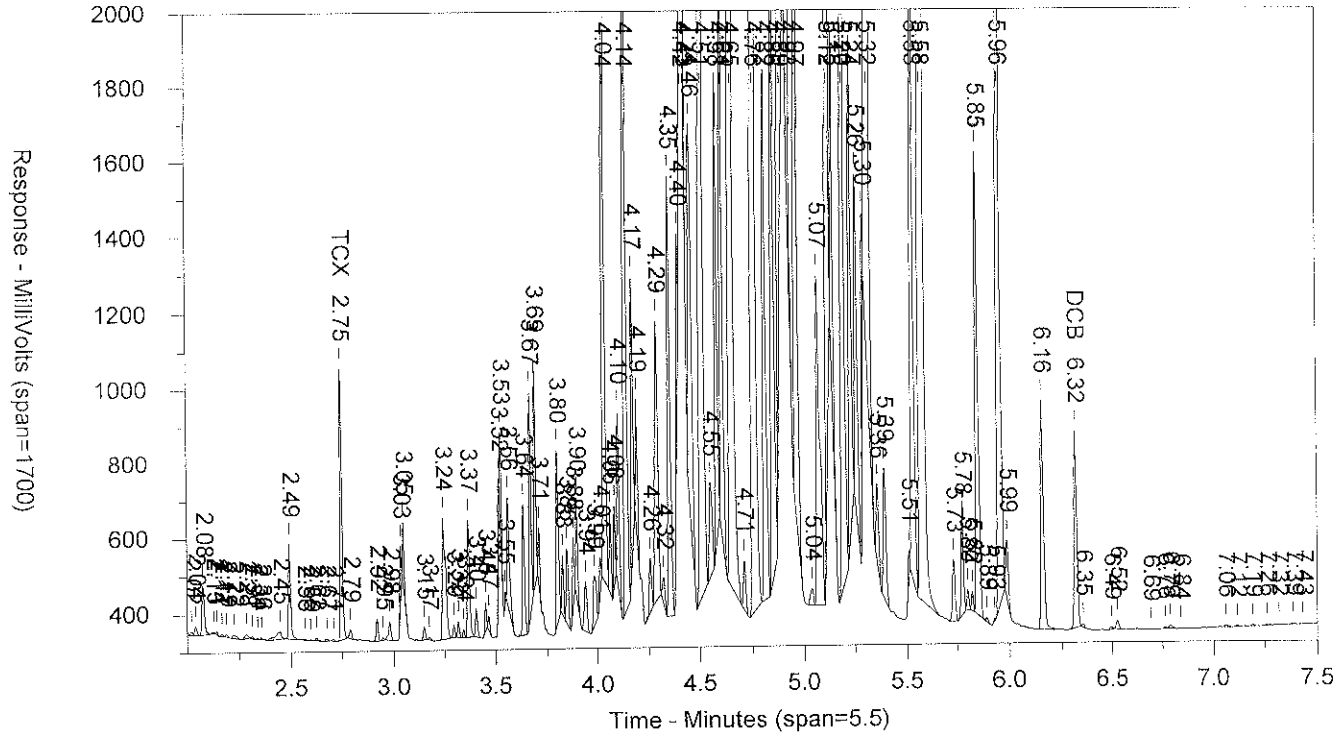

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229552 MSD ACF DF10 04A03 MSD Sample ID:AC **Batchnumber: 172860014A**

Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 10:11:18
Instrument	19843A
Result file	07PCBS17292003.0078.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 72% (61 - 152) Conc: 21.18006

%SSR(DCB) 93% (48 - 164) Conc: 24.45911

Analysis Report (B)

Injected on	Oct 24, 2017 10:11:18
Instrument	19843B
Result file	07PCBS17292003B.0078.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 79% (61 - 152) Conc: 23.49141

%SSR(DCB) 84% (48 - 164) Conc: 22.13561

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	1390565	21.18006
Decachlorobiphenyl	6.72	6.75	6.78	645484	24.45911

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	737323	23.49141
Decachlorobiphenyl	6.29	6.32	6.35	528118	22.13561

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	23.49141				10.35	
Tetrachloro-m-xylene-D1	A	21.18006					
Tetrachloro-m-xylene-D2	B	23.49141					
Decachlorobiphenyl	A	24.45911				9.97	
Decachlorobiphenyl-D1	A	24.45911					
Decachlorobiphenyl-D2	B	22.13561					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**20.51**	
3.27	3.29	3.31	403720	389.861446			1
3.48	3.50	3.52	431776.6	401.22178			2
3.60	3.62	3.64	474707	382.541725			3
3.82	3.84	3.86	586724.4	405.962199			4
3.88	3.90	3.92	502830.7	416.059415			5
4.08	4.10	4.12	552714.9	615.896554			6

Height summation: **2952473.6**

Concentration CF: **435.257187** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**37.89**	
3.02	3.03	3.06	162525.6	293.394889			1
3.35	3.37	3.39	296630.3	441.800018			2
3.54	3.56	3.58	291824.7	435.800617			3
3.62	3.64	3.66	327124.2	469.702969			4
3.68	3.69	3.72	447322.2	851.139325			5
3.79	3.80	3.83	392666	672.314466			6

Height summation: **1918093**

Concentration CF: **527.358714** L:

Aroclor-1260						**10.60**	
4.88	4.90	4.92	6570086	3576.812312			1
5.29	5.31	5.33	11134640	4612.911478			2
5.36	5.38	5.40	4602710	3767.473498			3
5.52	5.54	5.56	4846853	3834.508062			4
5.76	5.78	5.80	13725050	4564.321011			5
5.96	5.98	6.00	7716815	4174.734094			6

Height summation: **48596154**

Concentration CF: **4088.460076** L:

Aroclor-1260						**9.35**	
4.64	4.65	4.68	5790486	4154.349905			1
4.75	4.76	4.78	4451554	3673.603432			2
4.88	4.90	4.92	6287254	4552.172987			3
5.11	5.13	5.15	3190964	3521.226286			4
5.30	5.32	5.34	8729445	4132.024773			5
5.56	5.58	5.60	5523058	3882.896516			6

Height summation: **33972761**

Concentration CF: **3986.04565** L:

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:03

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Lancaster Laboratories Environmental

Data Summary

Sample Name: 9229552 MSD ACF DF10 04A03 MSD Sample ID: AC **Batchnumber: 172860014A**

Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 2855 SDG: ATH04 State: DE

Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 10:11:18
Instrument	19843A
Result file	07PCBS17292003.0078.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 24, 2017 10:11:18
Instrument	19843B
Result file	07PCBS17292003B.0078.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	B	527.358714	493.2302	95.7447		19.14	4	
PCB-1221			<493.2302	<147.9691			3	
PCB-1232			<493.2302	<118.9555			4	
PCB-1242			<493.2302	<118.9555			4	
PCB-1248			<493.2302	<95.7447			4	
PCB-1254			<493.2302	<127.6596			4	
PCB-1260	A	4088.460076	493.2302	113.1528		2.54	4	
PCB-1262			<493.2302	<95.7447			4	
PCB-1268			<493.2302	<95.7447			4	
Total PCBs	A	4615.81879	493.2302	95.7447				

Units: ug/kg

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

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 17:30:03

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229552** MSD ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 72% (61-152) Conc.: 21.18006
%SSR(DCB) : 93% (48-164) Conc.: 24.45911

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**20.51**	
3.27	3.29	3.31	403720	389.861446			1
3.48	3.50	3.52	431776.6	401.22178			2
+ 3.48	3.52	3.52	211791	196.803537			2
3.60	3.62	3.64	474707	382.541725			3
3.82	3.84	3.86	586724.4	405.962199			4
3.88	3.90	3.92	502830.7	416.059415			5
4.08	4.10	4.12	552714.9	615.896554			6
Height Summation:			**2952473.6**				
Amount Avg CF:			**435.257187**	Linear:			
Aroclor-1221					**3**	**17.85**	
3.16	3.18	3.20	93875.82	177.052315			1
3.22	3.24	3.26	86373.92	188.955183			2
3.27	3.29	3.31	403720	245.120431			3
Height Summation:			**583969.74**				
Amount Avg CF:			**203.70931**	Linear:			
Aroclor-1232					**6**	**43.06**	
3.26	3.29	3.30	403720	320.033382			1
+ 3.48	3.48	3.52	6738.403	13.493016			2
3.48	3.50	3.52	431776.6	864.591886			2
+ 3.48	3.52	3.52	211791	424.091487			2
3.60	3.62	3.64	474707	816.388533			3
3.82	3.84	3.86	586724.4	824.771544			4
3.88	3.90	3.92	502830.7	938.135684			5
+ 4.08	4.08	4.12	3264.891	8.89002			6
4.08	4.10	4.12	552714.9	1504.99559			6
Height Summation:			**2952473.6**				
Amount Avg CF:			**878.15277**	Linear:			
Aroclor-1242					**6**	**23.55**	
3.27	3.29	3.31	403720	455.057035			1
3.48	3.50	3.52	431776.6	483.529131			2
+ 3.48	3.52	3.52	211791	237.176165			2
3.60	3.62	3.64	474707	459.207001			3
3.82	3.84	3.86	586724.4	471.024512			4
3.88	3.90	3.92	502830.7	538.560103			5
4.08	4.10	4.12	552714.9	778.714917			6
Height Summation:			**2952473.6**				
Amount Avg CF:			**531.01545**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 79% (61-152) Conc.: 23.49141
%SSR(DCB) : 84% (48-164) Conc.: 22.13561

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**37.89**	
3.02	3.03	3.06	162525.6	293.394889			1
+ 3.02	3.05	3.06	90308.64	163.027199			1
3.35	3.37	3.39	296630.3	441.800018			2
+ 3.54	3.55	3.58	18076.23	26.994398			3
3.54	3.56	3.58	291824.7	435.800617			3
3.62	3.64	3.66	327124.2	469.702969			4
3.68	3.69	3.72	447322.2	851.139325			5
+ 3.68	3.71	3.72	117770.1	224.08627			5
3.79	3.80	3.83	392666	672.314466			6
Height Summation:			**1918093**				
Amount Avg CF:			**527.358714**	Linear:			
Aroclor-1221					**3**	**21.30**	
2.90	2.92	2.94	56130.69	172.682361			1
2.96	2.98	3.00	48736.76	259.407199			2
3.02	3.03	3.06	162525.6	197.278943			3
+ 3.02	3.05	3.06	90308.64	109.619611			3
Height Summation:			**267393.05**				
Amount Avg CF:			**209.789501**	Linear:			
Aroclor-1232					**6**	**59.19**	
3.02	3.03	3.06	162525.6	249.433743			1
+ 3.02	3.05	3.06	90308.64	138.599839			1
3.35	3.37	3.39	296630.3	949.868873			2
+ 3.54	3.55	3.58	18076.23	56.638148			3
3.54	3.56	3.58	291824.7	914.372663			3
3.62	3.64	3.66	327124.2	1076.852964			4
E 3.68	3.69	3.72	447322.2	2303.675945			5
+ 3.68	3.71	3.72	117770.1	606.507225			5
3.79	3.80	3.83	392666	1654.36527			6
Height Summation:			**1918093**				
Amount Avg CF:			**1191.428243**	Linear:			
Aroclor-1242					**6**	**42.27**	
3.02	3.03	3.06	162525.6	341.047277			1
+ 3.02	3.05	3.06	90308.64	189.505627			1
3.35	3.37	3.39	296630.3	522.52517			2
+ 3.54	3.55	3.58	18076.23	30.664012			3
3.54	3.56	3.58	291824.7	495.043278			3
3.62	3.64	3.66	327124.2	579.305067			4
3.68	3.69	3.72	447322.2	1096.951522			5
+ 3.68	3.71	3.72	117770.1	288.803217			5
3.79	3.80	3.83	392666	818.785955			6
Height Summation:			**1918093**				
Amount Avg CF:			**642.276378**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229552** MSD ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	73.46	
3.82	3.84	3.86	586724.4	739.951647			1
3.88	3.90	3.92	502830.7	758.804421			2
3.95	3.97	3.99	703679.4	622.957263			3
+ 4.08	4.08	4.12	3264.891	2.582825			4
4.08	4.10	4.12	552714.9	437.247647			4
4.17	4.19	4.21	509036.2	482.972174			5
4.36	4.36	4.40	2151289	2124.515355			6
+ 4.36	4.38	4.40	236374.5	233.432726			6
Height Summation:			**5006274.6**				
Amount Avg CF:			**861.074751**	Linear:			
Aroclor-1254					6	91.21	
4.69	4.71	4.73	777356.9	628.73174			1
+ 4.69	4.73	4.73	493370.5	399.041538			1
4.76	4.78	4.80	3504042	1429.552474			2
4.88	4.90	4.92	6570086	8802.771534			3
4.97	4.99	5.01	1761709	1101.66412			4
5.17	5.20	5.21	4369409	3494.572242			5
5.29	5.31	5.33	11134640	6977.013629			6
Height Summation:			**28117242.9**				
Amount Avg CF:			**3739.050956**	Linear:			
Aroclor-1260					6	10.60	
4.88	4.90	4.92	6570086	3576.812312			1
5.29	5.31	5.33	11134640	4612.911478			2
5.36	5.38	5.40	4602710	3767.473498			3
5.52	5.54	5.56	4846853	3834.508062			4
5.76	5.78	5.80	13725050	4564.321011			5
5.96	5.98	6.00	7716815	4174.734094			6
Height Summation:			**48596154**				
Amount Avg CF:			**4088.460076**	Linear:			
Aroclor-1262					6	37.24	
E 5.35	5.38	5.39	4602710	2330.319306			1
E 5.52	5.54	5.56	4846853	2852.413638			2
E 5.75	5.78	5.79	13725050	3872.679137			3
E 5.96	5.98	6.00	7716815	3355.773859			4
6.01	6.03	6.05	1135486	1046.473074			5
E 6.38	6.41	6.42	2761334	2335.240387			6
Height Summation:			**34788248**				
Amount Avg CF:			**2632.1499**	Linear:			
Aroclor-1268					6	127.25	
5.96	5.98	5.99	7716815	1801.858161			1
+ 6.01	6.01	6.05	133200.9	36.305023			2
6.01	6.03	6.05	1135486	309.486237			2
+ 6.15	6.15	6.19	39964.84	11.82192			3
6.15	6.17	6.19	64776.14	19.161302			3
6.21	6.23	6.25	156850.5	173.439886			4
E 6.38	6.41	6.42	2761334	2070.164415			5
6.58	6.61	6.62	508066.7	49.13008			6
Height Summation:			**12343328.34**				
Amount Avg CF:			**737.20668**	Linear:			

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Analysis Report (B)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	47.03	
+ 3.54	3.55	3.58	18076.23	55.128645			1
3.54	3.56	3.58	291824.7	890.003072			1
3.62	3.64	3.66	327124.2	822.503229			2
3.68	3.69	3.72	447322.2	764.714931			3
+ 3.68	3.71	3.72	117770.1	201.332628			3
3.79	3.80	3.83	392666	483.980869			4
+ 3.88	3.88	3.92	124094.1	252.942759			5
3.88	3.90	3.92	239856.6	488.9031			5
4.02	4.04	4.06	1589167	1555.137709			6
Height Summation:			**3287960.7**				
Amount Avg CF:			**834.207152**	Linear:			
Aroclor-1254					6	94.12	
4.34	4.35	4.38	754426.5	877.078126			1
+ 4.40	4.40	4.44	237028.9	158.754367			2
4.40	4.42	4.44	1087985	728.697515			2
+ 4.40	4.43	4.44	811581.5	543.571301			2
4.50	4.51	4.54	4576740	6337.412103			3
4.57	4.59	4.61	783784.2	847.33065			4
E 4.64	4.65	4.68	5790486	9844.207147			5
4.88	4.90	4.92	6287254	5706.2089			6
Height Summation:			**19280675.7**				
Amount Avg CF:			**4056.822407**	Linear:			
Aroclor-1260					6	9.35	
4.64	4.65	4.68	5790486	4154.349905			1
4.75	4.76	4.78	4451554	3673.603432			2
4.88	4.90	4.92	6287254	4552.172987			3
5.11	5.13	5.15	3190964	3521.226286			4
5.30	5.32	5.34	8729445	4132.024773			5
5.56	5.58	5.60	5523058	3882.896516			6
Height Summation:			**33972761**				
Amount Avg CF:			**3986.04565**	Linear:			
Aroclor-1262					6	33.01	
4.91	4.93	4.95	2368311	1810.566594			1
E 5.11	5.13	5.15	3190964	2323.930632			2
E 5.30	5.32	5.34	8729445	3406.912282			3
5.52	5.53	5.56	1402388	1424.554674			4
E 5.56	5.58	5.60	5523058	3108.333809			5
E 5.94	5.96	5.98	1924462	1968.836379			6
Height Summation:			**23138628**				
Amount Avg CF:			**2340.522395**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9229552** MSD ACF DF10 04A03 ID: AC **Batchnumber: 172860014A**
Sample Amount: 10.34 g Total Volume: 100 ml Analyst: 9065 SDG: ATH04 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0078.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 10:11:18
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0078.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**6**	**123.68**	
5.52	5.53	5.56	1402388	456.926411			1
5.56	5.58	5.60	5523058	1767.748965			2
5.72	5.73	5.76	108015.5	40.390886			3
5.79	5.80	5.82	39106.63	55.931518			4
+ 5.79	5.82	5.82	33057.59	47.279993			4
5.94	5.96	5.98	1924462	1799.539099			5
6.14	6.16	6.18	398752	45.071338			6

Height Summation: **9395782.13**
Amount Avg CF: **694.268036** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			493.2302	95.7447		19.14	4	40	
Aroclor-1221			493.2302	147.969		2.94	3	40	
Aroclor-1232			493.2302	118.9555		30.27	4	40	
Aroclor-1242			493.2302	118.9555		18.97	4	40	
Aroclor-1248			493.2302	95.7447		3.17	4	40	
Aroclor-1254			493.2302	127.6596		8.15	4	40	
Aroclor-1260			493.2302	113.1528		2.54	4	40	
Aroclor-1262			493.2302	95.7447	E	11.73	4	40	
Aroclor-1268			493.2302	95.7447	E	6.00	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9229552MSD ACF DF10AC04A03 MSD 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:11:18 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0078.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.518		21238	30352
1.6		45947	85903
1.659		142943	160666
1.709		49241	80304
1.732		41472	45271
1.765		56494	71148
1.787		17176	11433
1.808		51084	64767
1.834		55416	81971
1.862		33452	25100
1.879		28804	22176
1.893		34173	26034
1.911		38574	29551
1.935		40056	48304
1.954		35519	35713
1.977		34731	28518
2.002		46028	41139
2.02		42561	36273
2.046		30093	25885
2.069		20500	15014
2.087		35320	31793
2.103		36637	33217
2.133		86048	125271
2.192		59575	96372
2.233		51879	98057
2.26		35903	38048
2.292		164739	129668
2.309		32681	22188
2.322		34146	20596
2.34		12732	6674
2.359		33888	43404
2.4		59176	74633
2.435		28989	17430
2.466		39972	29024
2.483		48823	47302
2.513		17517	18352
2.537		23471	23274
2.571		6891	5004
2.609		26554	24489
2.63		9371	4404
2.646		15574	8967
2.662		19732	17573
2.7		12577	7775
2.727		32923	26020
2.747		288165	190652
2.797		18512	27335
2.836		29313	28189
2.863		16409	9410
2.886		6420	2902
2.9		17463	10190
2.929		5817	4466
2.979		22825	24719
3.028	TCX	1390565	922695

RT A	Compound A	Height A	Area A
3.08		14410	10695
3.101		10278	6553
3.144		7512	5659
3.18		93876	85567
3.238		86374	75311
3.257		3603	1084
3.286		403720	278684
3.352		323107	255888
3.38		55444	36556
3.407		5226	3138
3.43		6284	3883
3.459		10566	9543
3.482		6738	3811
3.503		431777	252848
3.52		211791	111744
3.557		38480	21520
3.573		36293	17199
3.587		26204	12546
3.619		474707	333012
3.646		5766	3747
3.669		11118	7217
3.694		77913	47666
3.731		96139	56973
3.746		54889	28590
3.793		252661	136009
3.805		459850	243266
3.843		586724	470429
3.882		1572	329
3.904		502831	382380
3.946		58489	39692
3.973		703679	519731
4.002		385472	395190
4.024		88734	39235
4.081		3265	1554
4.102		552715	393465
4.127		179138	118534
4.159		228694	164393
4.194		509036	568391
4.236		146490	117581
4.268		16648	9349
4.282		27885	15493
4.322		98831	67118
4.359		2151289	1562741
4.378		236375	122284
4.405		487501	399756
4.473		541139	467787
4.517		2905633	2773761
4.552		717693	575086
4.594		60083	42365
4.617		133388	101110
4.659		944588	920386
4.713		777357	506317
4.73		493371	373886
4.776		3504042	2961459
4.824		2631279	2918707
4.863		874132	617923
4.903		6570086	6098708
4.95		226528	214137
4.993		1761709	1692954
5.026		100978	67379
5.053		1321494	1225359
5.105		7175904	5588734
5.121		642552	359415
5.156		1440516	1244546
5.197		4369409	4403696
5.24		217918	140135

RT A	Compound A	Height A	Area A
5.277		815816	988269
5.312		11134640	9655839
5.334		485605	232677
5.352		210411	95900
5.376		4602710	3954208
5.419		2995058	2783219
5.517		920696	739149
5.539		4846853	3860433
5.596		2596173	2294678
5.636		1473477	1407181
5.676		235179	251046
5.718		1749965	1581454
5.747		111324	66403
5.775		13725050	13017820
5.862		8803	12296
5.927		3608	2682
5.981		7716815	7116361
6.014		133201	169009
6.035		1135486	1175769
6.148		39965	28941
6.169		64776	48681
6.198		2269	837
6.226		156851	125559
6.252		1184341	1020094
6.317		14047	10522
6.35		1927	1119
6.376		9302	6138
6.406		2761335	2568254
6.451		142200	124977
6.533		1109	347
6.607		508067	469501
6.657		10237	20761
6.723		1641	1151
6.753	DCB	645484	664117
6.823		7476	6702
6.875		1132	1427
6.988		1269	500
7.025		4404	4803
7.071		2969	1828
7.158		6964	7007
7.196		1780	971
7.243		2405	4279
7.304		17138	33896
7.402		2021	1369
7.474		1613	1081
7.521		2627	2517
7.611		1580	2580
7.657		1594	1114
7.692		2177	2664
7.778		1059	495
7.831		1699	1202
7.87		1472	686
7.909		2150	2592
7.981		7727	11297
8.034		968	729
8.059		1540	1168
8.088		1986	1189
8.178		1338	646
8.237		11917	18616
8.29		1641	833
8.3		1642	520
8.318		1754	916
8.355		1711	769
8.38		1473	626
8.399		1375	1199
8.518		1558	1854

RT A	Compound A	Height A	Area A
8.54		1265	562
8.58		1202	721
8.622		1066	918

LANCASTER LABORATORIES

Sample Number: 9229552MSD ACF DF10AC04A03 MSD 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:11:18 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0078.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.554		3189	2096
1.598		16820	30632
1.639		6901	6681
1.689		7005	6616
1.716		6970	6945
1.758		9539	11929
1.789		8612	6340
1.825		9849	13548
1.849		9317	8623
1.91		27348	48925
1.95		8307	9202
1.975		6570	6927
1.994		10930	10794
2.019		8651	6956
2.041		16502	13254
2.077		79223	66729
2.127		4318	3806
2.169		7174	6053
2.19		7556	6531
2.221		12212	18847
2.285		12310	14346
2.312		5864	3817
2.336		3986	2216
2.354		5604	2809
2.436		2960	1126
2.492		179004	133188
2.54		3049	1972
2.568		4362	4479
2.591		3943	2552
2.622		4976	4964
2.668		7595	7702
2.705		6199	5683
2.747	TCX	737323	510502
2.79		23184	18496
2.837		3766	3629
2.919		56131	38753
2.947		6217	3972
2.98		48737	40114
3.034		162526	83966
3.047		90309	38450
3.083		3576	2449
3.108		3997	2458
3.146		32652	26037
3.171		4872	4350
3.243		316271	356663
3.295		32893	20648
3.317		30855	19079
3.343		20807	11994
3.367		296630	225239
3.404		49354	33259
3.45		71920	41177
3.466		37356	18651
3.517		110321	61465
3.527		289504	136446

3.547		18076	6920
3.561		291825	229123
3.636		327124	232011
3.67		456599	308347
3.695		447322	272370
3.713		117770	58853
3.804		392666	294006
3.828		128016	76318
3.85		152577	108493
3.882		124094	69704
3.899		239857	155871
3.943		107972	95901
3.989		80569	85762
4.015		81168	51732
4.038		1589167	1168748
4.064		150826	89780
4.085		126462	70501
4.104		303964	205994
4.141		1817608	1405653
4.175		438524	312704
4.195		226827	135367
4.258		89082	68256
4.293		472369	489615
4.323		33016	27077
4.354		754427	619102
4.399		237029	190295
4.417		1087985	623414
4.431		811582	426343
4.459		707142	747057
4.513		4576740	3981691
4.553		161014	163345
4.585		783784	583200
4.611		1092081	844641
4.655		5790487	5027797
4.711		52117	40014
4.763		4451555	4510448
4.817		894505	873690
4.858		1241971	1141305
4.896		6287254	5705121
4.93		2368311	1847657
4.969		1772048	1525911
5.04		28561	28636
5.073		578342	703126
5.126		3190964	2641186
5.15		614417	408121
5.2		1784551	1706712
5.236		820920	694552
5.264		583892	494403
5.297		199617	130124
5.318		8729445	7562688
5.36		139682	107648
5.394		238250	210657
5.511		54063	34994
5.534		1402388	1215436
5.579		5523058	6162752
5.735		108016	100136
5.778		156792	133211
5.804		39107	24888
5.825		33058	19545
5.853		809111	720383
5.891		4886	4277
5.931		5077	2976
5.958		1924462	1702558
5.989		99595	73647
6.158		398752	381952
6.318	DCB	528118	495971
6.352		4604	3330

6.496	2658	2728
6.525	22944	23580
6.586	2149	1962
6.694	1917	1759
6.761	1850	3451
6.791	6931	8806
7.062	3347	4970
7.116	2308	2539
7.188	2063	2688
7.264	4114	4902
7.383	1633	1850
7.512	1755	2604
7.596	1143	1535
7.767	2131	2482
7.835	1583	1533
7.881	4758	7201
8.049	1324	1265
8.233	1170	3432
8.519	5554	12551
8.629	2929	5288

9229552MSD ACF DF10AC04A03 MSD 172860014A 10225 SW-846 80

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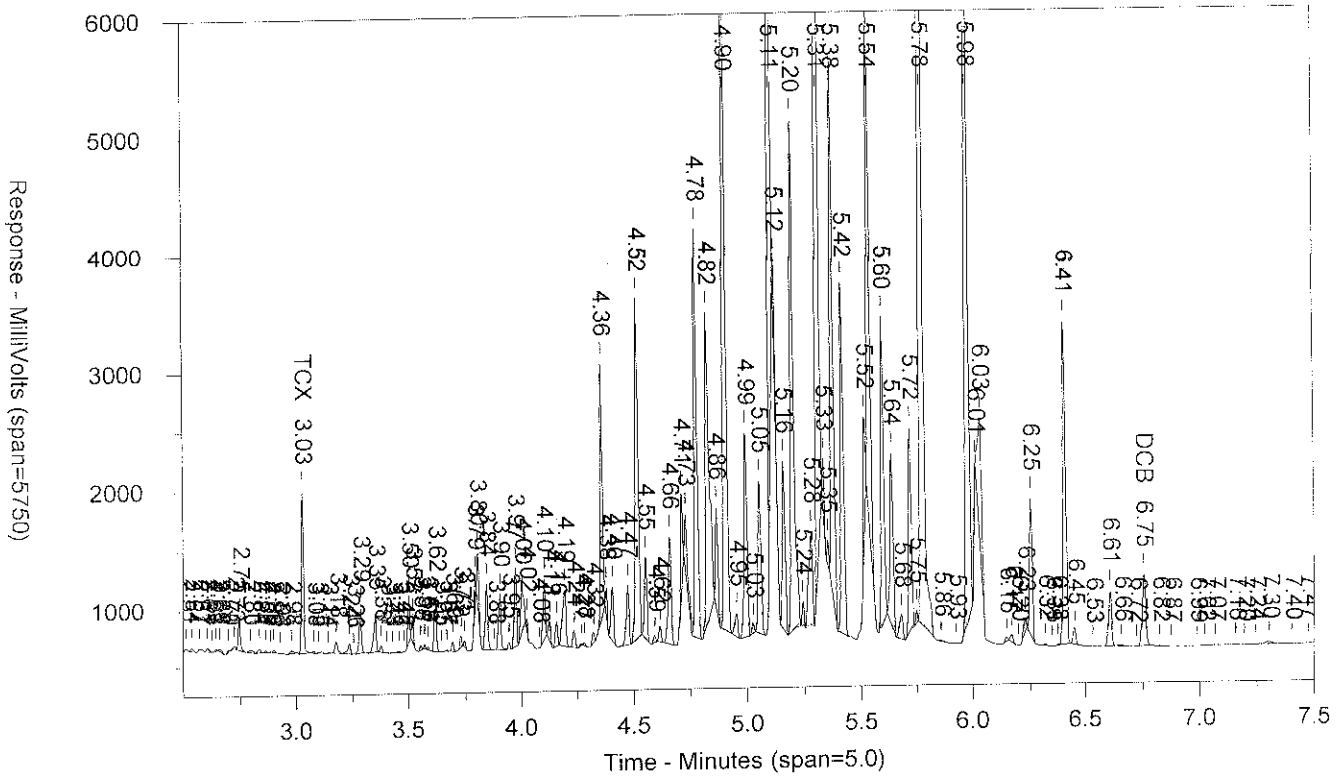

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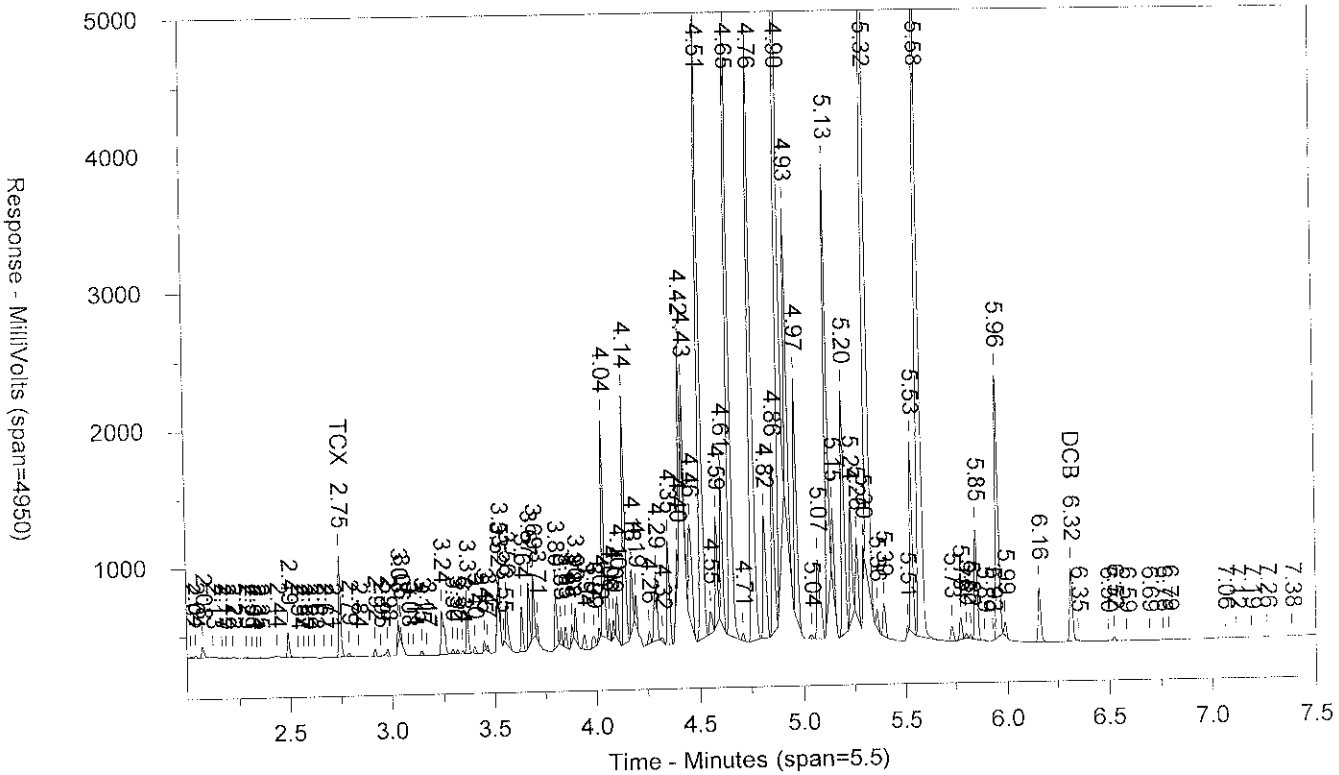

LANCASTER LABORATORIES

Sample Number: 9229552MSD ACF DF10AC04A03 MSD 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 10:11:18 AM
Sample Weight: 10.34
Dilution Factor: 100
Instrument ID: CP7-19843A
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.028	1390565	21.18	TCX	2.747	737323	23.491	TCX
6.753	645484	24.459	DCB	6.318	528118	22.136	DCB

Files:
Area File: 07PCBS17292003.0078.RAW
Area File: 07PCBS17292003B.0078.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 10:20:02 AM
File Reported On: 10/24/2017 at 10:20:34 AM

9229552MSD ACF DF10AC04A03 MSD 172860014A 10225 SW-846 80

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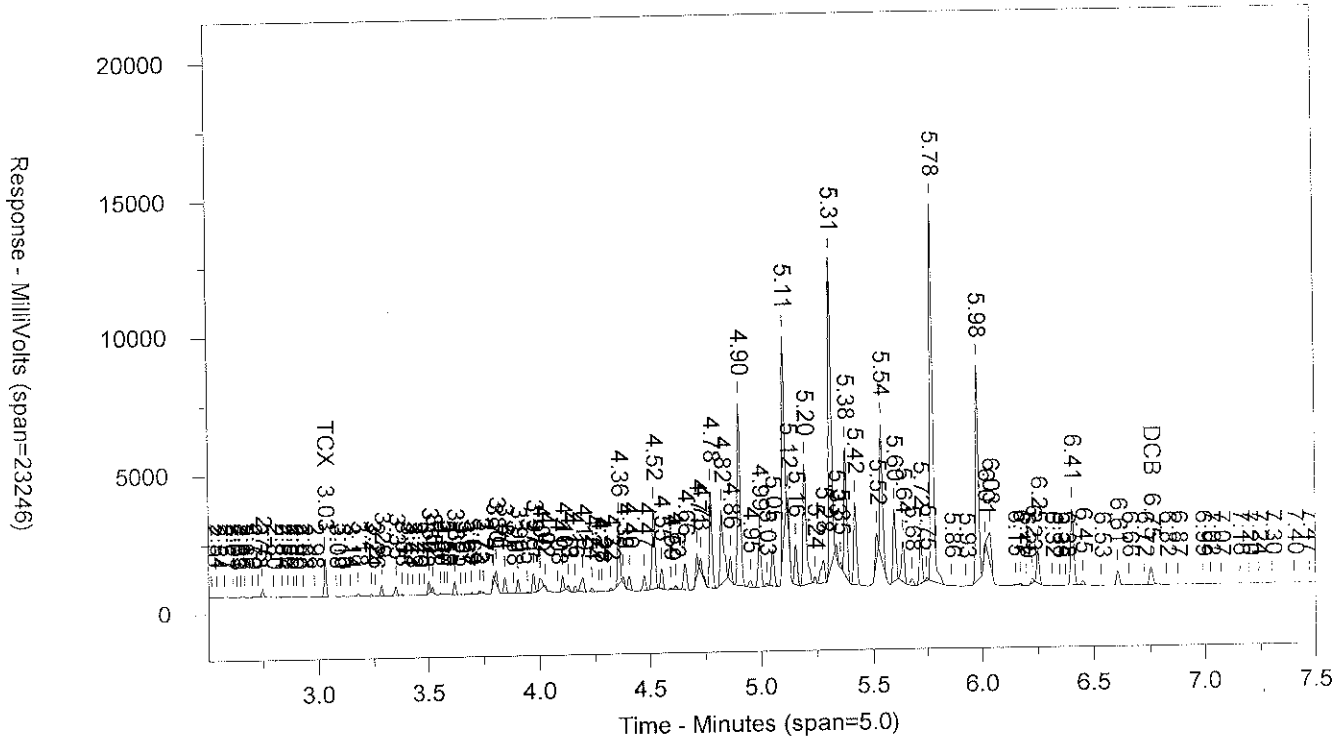

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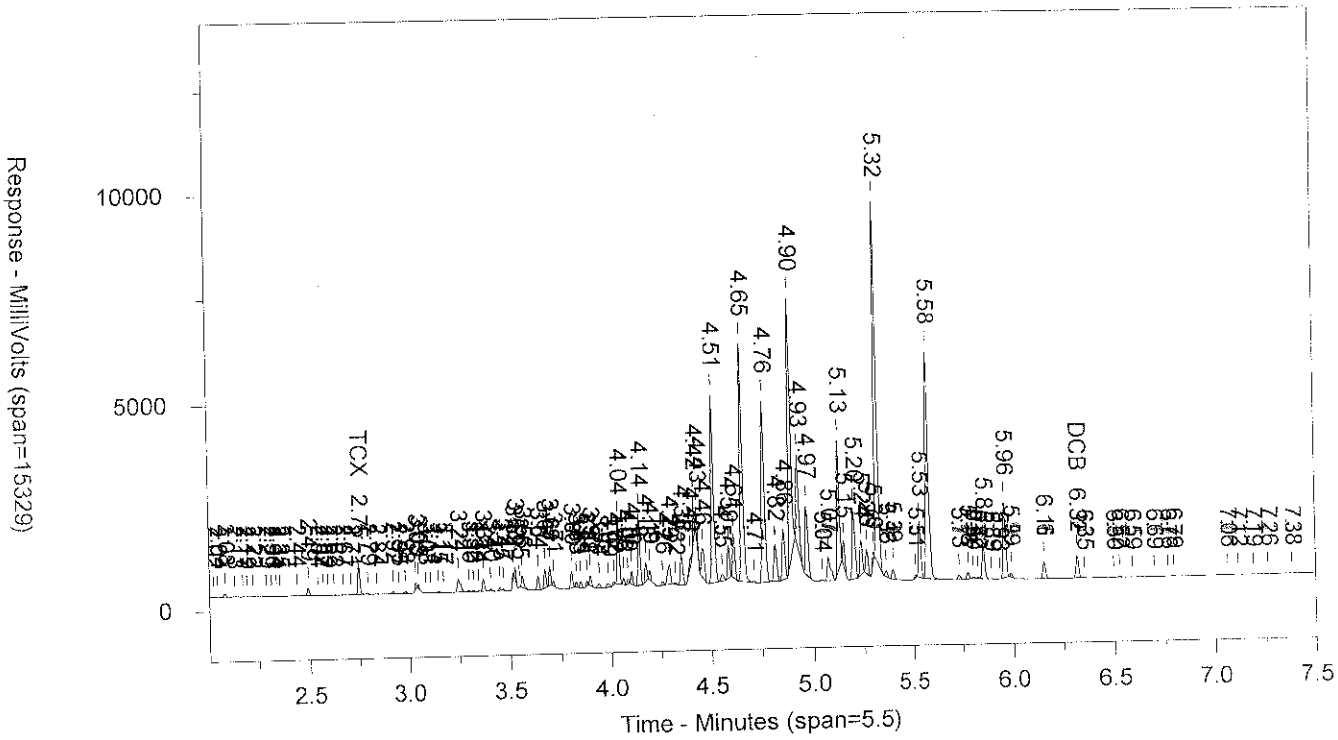

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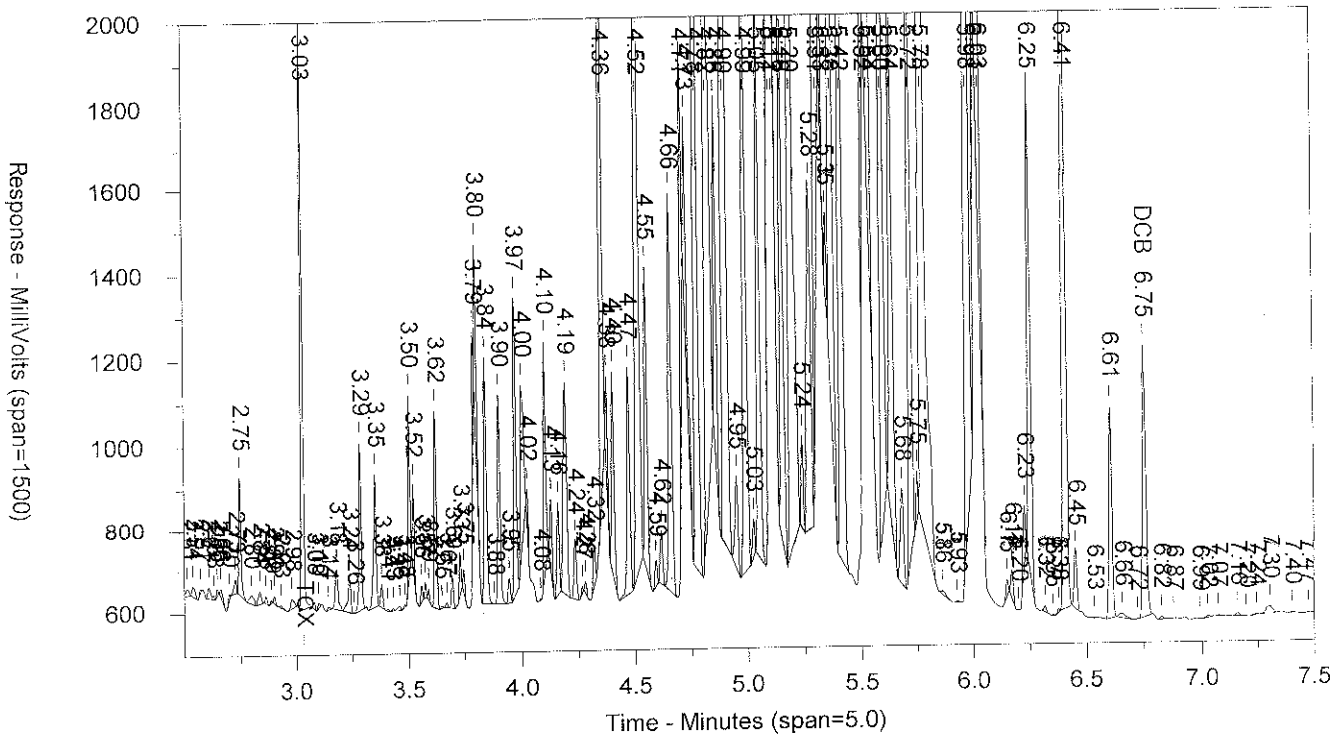

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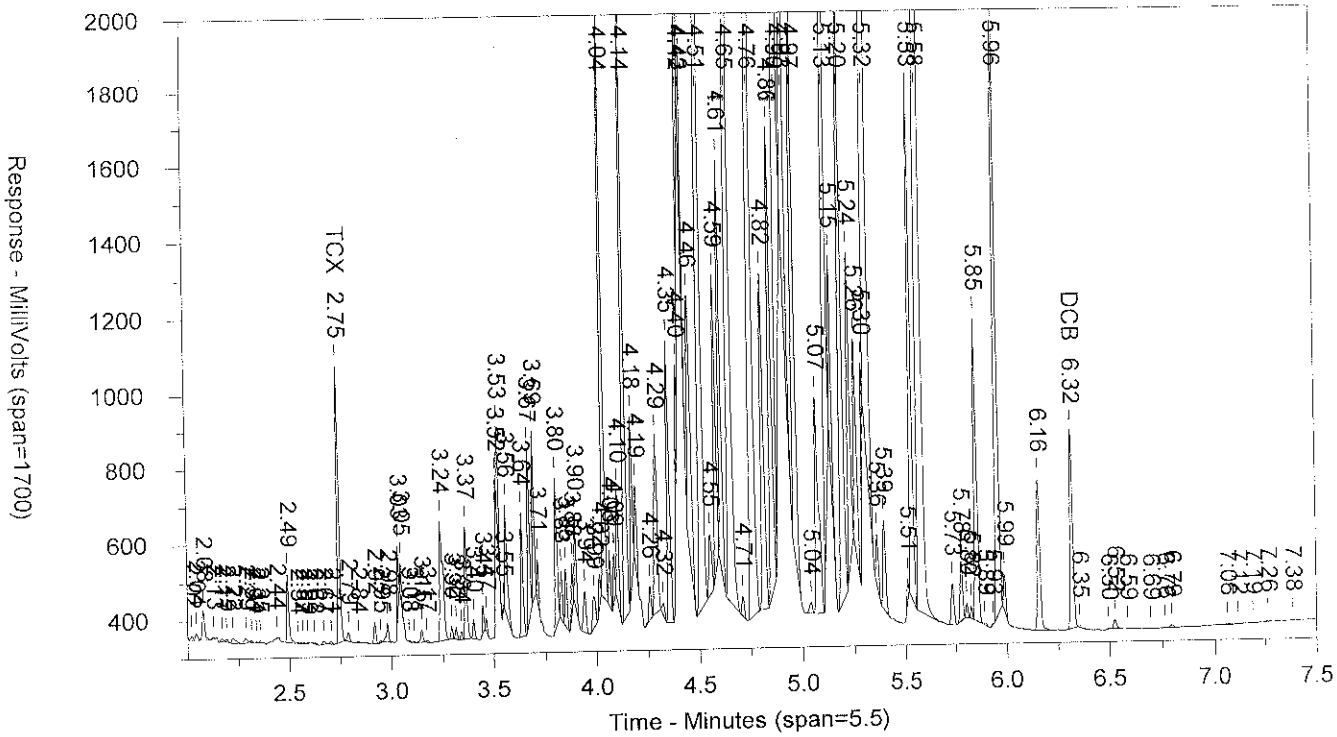

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Data Summary

Sample Name: LCSA 10/14/17 ACF LCS14286 LCS Sample ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843A
Result file	07PCBS17292003.0070.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 101% (61 - 152) Conc: 30.98102
%SSR(DCB) 91% (48 - 164) Conc: 24.63319

Analysis Report (B)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843B
Result file	07PCBS17292003B.0070.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 102% (61 - 152) Conc: 31.18723
%SSR(DCB) 96% (48 - 164) Conc: 26.09354

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	19671590	30.98102	Tetrachloro-m-xylene	2.72	2.75	2.78	9466832	31.18723
Decachlorobiphenyl	6.72	6.75	6.78	6287024	24.63319	Decachlorobiphenyl	6.29	6.32	6.35	6020766	26.09354

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.18723				0.66	
Tetrachloro-m-xylene-D1	A	30.98102					
Tetrachloro-m-xylene-D2	B	31.18723					
Decachlorobiphenyl	B	26.09354				5.76	
Decachlorobiphenyl-D1	A	24.63319					
Decachlorobiphenyl-D2	B	26.09354					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**2.94**	
3.27	3.29	3.31	4675500	466.851356			1
3.48	3.50	3.52	4831288	464.203985			2
3.60	3.62	3.64	5778584	481.498729			3
3.82	3.84	3.86	6709058	479.991484			4
3.88	3.90	3.92	5745130	491.534457			5
4.08	4.10	4.12	4348738	501.06075			6
Height summation:			**32088298**				
Concentration		CF:	**480.856794**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.57**	
3.02	3.03	3.06	2558971	477.657574			1
3.35	3.37	3.39	3056546	470.718962			2
3.54	3.56	3.58	3162870	488.391024			3
3.62	3.64	3.66	3432204	509.570483			4
3.68	3.69	3.72	2696234	530.466942			5
3.79	3.80	3.83	2726858	482.761045			6
Height summation:			**17633683**				
Concentration		CF:	**493.261005**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**4.92**	
4.88	4.90	4.92	8717572	490.728385			1
5.29	5.31	5.33	11306840	484.351586			2
5.36	5.38	5.40	5312588	449.638271			3
5.52	5.54	5.56	5480202	448.298115			4
5.76	5.78	5.80	14325150	492.585885			5
5.96	5.98	6.00	7949420	444.679094			6
Height summation:			**53091772**				
Concentration		CF:	**468.380223**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**3.08**	
4.64	4.65	4.68	6614508	490.688796			1
4.75	4.76	4.78	5954261	508.076412			2
4.88	4.90	4.92	6850498	512.861897			3
5.11	5.13	5.15	4129751	471.212103			4
5.30	5.32	5.34	10088360	493.761693			5
5.56	5.58	5.60	6679348	485.546494			6
Height summation:			**40316726**				
Concentration		CF:	**493.691233**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:04:27

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Data Summary

Sample Name: LCSA 10/14/17 ACF LCS14286 LCS Sample ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843A
Result file	07PCBS17292003.0070.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 24, 2017 08:39:55
Instrument	19843B
Result file	07PCBS17292003B.0070.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	480.856794	51	9.9		2.55	4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260	B	493.691233	51	11.7		5.26	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	974.548026	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:04:27

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 101% (61-152) Conc.: 30.98102
%SSR(DCB) : 91% (48-164) Conc.: 24.63319

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	2.94	
3.27	3.29	3.31	4675500	466.851356			1
3.48	3.50	3.52	4831288	464.203985			2
+ 3.48	3.52	3.52	2076220	199.489163			2
3.60	3.62	3.64	5778584	481.498729			3
3.82	3.84	3.86	6709058	479.991484			4
3.88	3.90	3.92	5745130	491.534457			5
4.08	4.10	4.12	4348738	501.06075			6
Height Summation:			**32088298**				
Amount Avg CF:			**480.856793**	Linear:			
Aroclor-1221					3	13.91	
E 3.16	3.18	3.20	1214294	236.805756			1
E 3.22	3.24	3.26	1012401	229.007277			2
E 3.27	3.29	3.31	4675500	293.526859			3
Height Summation:			**6902195**				
Amount Avg CF:			**253.113297**	Linear:			
Aroclor-1232					6	30.79	
E 3.26	3.29	3.30	4675500	383.233633			1
E 3.48	3.50	3.52	4831288	1000.312093			2
E+ 3.48	3.52	3.52	2076220	429.878735			2
E 3.60	3.62	3.64	5778584	1027.57429			3
E 3.82	3.84	3.86	6709058	975.172857			4
E 3.88	3.90	3.92	5745130	1108.317701			5
E 4.08	4.10	4.12	4348738	1224.384539			6
Height Summation:			**32088298**				
Amount Avg CF:			**953.165852**	Linear:			
Aroclor-1242					6	6.87	
3.27	3.29	3.31	4675500	544.921782			1
3.48	3.50	3.52	4831288	559.431618			2
+ 3.48	3.52	3.52	2076220	240.412725			2
3.60	3.62	3.64	5778584	577.996002			3
3.82	3.84	3.86	6709058	556.918243			4
3.88	3.90	3.92	5745130	636.257319			5
4.08	4.10	4.12	4348738	633.521129			6
Height Summation:			**32088298**				
Amount Avg CF:			**584.841015**	Linear:			
Aroclor-1248					6	46.36	
3.82	3.84	3.86	6709058	874.885617			1
3.88	3.90	3.92	5745130	896.454943			2
3.95	3.97	3.99	3835626	351.107583			3
4.08	4.10	4.12	4348738	355.72148			4
4.17	4.19	4.21	4337726	425.555391			5
4.36	4.36	4.40	4230572	431.997016			6
+ 4.36	4.38	4.40	1020487	104.205138			6
Height Summation:			**29206850**				
Amount Avg CF:			**555.953672**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 102% (61-152) Conc.: 31.18723
%SSR(DCB) : 96% (48-164) Conc.: 26.09354

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.57	
3.02	3.03	3.06	2558971	477.657574			1
3.35	3.37	3.39	3056546	470.718962			2
+ 3.54	3.55	3.58	46502.43	7.180621			3
3.54	3.56	3.58	3162870	488.391024			3
3.62	3.64	3.66	3432204	509.570483			4
3.68	3.69	3.72	2696234	530.466942			5
+ 3.68	3.71	3.72	556993.9	109.585018			5
3.79	3.80	3.83	2726858	482.761045			6
Height Summation:			**17633683**				
Amount Avg CF:			**493.261005**	Linear:			
Aroclor-1221					3	33.34	
E 2.90	2.92	2.94	732958	233.156338			1
+ 2.96	2.97	3.00	37578.79	20.681817			2
2.96	2.98	3.00	294758.1	162.222712			2
E 3.02	3.03	3.06	2558971	321.177311			3
Height Summation:			**3586687.1**				
Amount Avg CF:			**238.85212**	Linear:			
Aroclor-1232					6	33.28	
E 3.02	3.03	3.06	2558971	406.087225			1
E 3.35	3.37	3.39	3056546	1012.044526			2
+ 3.54	3.55	3.58	46502.43	15.065979			3
E 3.54	3.56	3.58	3162870	1024.714936			3
E 3.62	3.64	3.66	3432204	1168.254241			4
E 3.68	3.69	3.72	2696234	1435.75076			5
E+ 3.68	3.71	3.72	556993.9	296.600523			5
E 3.79	3.80	3.83	2726858	1187.930868			6
Height Summation:			**17633683**				
Amount Avg CF:			**1039.130426**	Linear:			
Aroclor-1242					6	8.80	
3.02	3.03	3.06	2558971	555.237399			1
3.35	3.37	3.39	3056546	556.728148			2
+ 3.54	3.55	3.58	46502.43	8.156753			3
3.54	3.56	3.58	3162870	554.782816			3
3.62	3.64	3.66	3432204	628.475403			4
3.68	3.69	3.72	2696234	683.667764			5
+ 3.68	3.71	3.72	556993.9	141.233578			5
3.79	3.80	3.83	2726858	587.936128			6
Height Summation:			**17633683**				
Amount Avg CF:			**594.471276**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.82	
+ 4.69	4.71	4.73	623654.6	52.156639			1
4.69	4.73	4.73	844069.9	70.590113			1
4.76	4.78	4.80	2620761	110.555093			2
E 4.88	4.90	4.92	8717572	1207.714993			3
4.97	4.99	5.01	1383326	89.445832			4
5.17	5.20	5.21	4894744	404.782609			5
5.29	5.31	5.33	11306840	732.5802			6
Height Summation:			**29767312.9**				
Amount Avg CF:			**435.944807**	Linear:			
Aroclor-1260					6	4.92	
4.88	4.90	4.92	8717572	490.728385			1
5.29	5.31	5.33	11306840	484.351586			2
5.36	5.38	5.40	5312588	449.638271			3
5.52	5.54	5.56	5480202	448.298115			4
5.76	5.78	5.80	14325150	492.585885			5
5.96	5.98	6.00	7949420	444.679094			6
Height Summation:			**53091772**				
Amount Avg CF:			**468.380222**	Linear:			
Aroclor-1262					6	26.59	
E 5.35	5.38	5.39	5312588	278.117615			1
E 5.52	5.54	5.56	5480202	333.479976			2
E 5.75	5.78	5.79	14325150	417.943233			3
E 5.96	5.98	6.00	7949420	357.446114			4
E 6.01	6.03	6.05	2107399	200.823061			5
E 6.38	6.41	6.42	2697230	235.858305			6
Height Summation:			**37871989**				
Amount Avg CF:			**303.944717**	Linear:			
Aroclor-1268					6	115.70	
5.96	5.98	5.99	7949420	191.928069			1
6.01	6.03	6.05	2107399	59.391852			2
6.15	6.17	6.19	236153.3	7.223115			3
6.21	6.23	6.25	129704.2	14.82988			4
E 6.38	6.41	6.42	2697230	209.085742			5
6.58	6.61	6.62	680546.4	6.804638			6
Height Summation:			**13800452.9**				
Amount Avg CF:			**81.543883**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	51.23	
+ 3.54	3.55	3.58	46502.43	14.664445			1
E 3.54	3.56	3.58	3162870	997.404536			1
3.62	3.64	3.66	3432204	892.315773			2
3.68	3.69	3.72	2696234	476.603511			3
+ 3.68	3.71	3.72	556993.9	98.457793			3
3.79	3.80	3.83	2726858	347.526525			4
+ 3.88	3.88	3.92	810973.5	170.922139			5
3.88	3.90	3.92	1960724	413.245489			5
4.02	4.04	4.06	3144443	318.173188			6
Height Summation:			**17123333**				
Amount Avg CF:			**574.211504**	Linear:			
Aroclor-1254					6	96.67	
4.34	4.35	4.38	727438.1	87.445593			1
+ 4.40	4.40	4.44	543814.6	37.661341			2
+ 4.40	4.42	4.44	338541.6	23.445363			2
4.40	4.43	4.44	1549644	107.31906			2
4.50	4.51	4.54	5981829	856.466223			3
4.57	4.59	4.61	532433.3	59.517155			4
E 4.64	4.65	4.68	6614508	1162.743212			5
4.88	4.90	4.92	6850498	642.879154			6
Height Summation:			**22256350.4**				
Amount Avg CF:			**486.061733**	Linear:			
Aroclor-1260					6	3.08	
4.64	4.65	4.68	6614508	490.688796			1
4.75	4.76	4.78	5954261	508.076412			2
4.88	4.90	4.92	6850498	512.861897			3
5.11	5.13	5.15	4129751	471.212103			4
5.30	5.32	5.34	10088360	493.761693			5
5.56	5.58	5.60	6679348	485.546494			6
Height Summation:			**40316726**				
Amount Avg CF:			**493.691232**	Linear:			
Aroclor-1262					6	29.04	
E 4.91	4.93	4.95	3048618	240.990165			1
E 5.11	5.13	5.15	4129751	310.989454			2
E 5.30	5.32	5.34	10088360	407.11343			3
5.52	5.53	5.56	1804745	189.560271			4
E 5.56	5.58	5.60	6679348	388.689365			5
E 5.94	5.96	5.98	2376901	251.438581			6
Height Summation:			**28127723**				
Amount Avg CF:			**298.130211**	Linear:			
Aroclor-1268					6	110.11	
5.52	5.53	5.56	1804745	60.801523			1
E 5.56	5.58	5.60	6679348	221.052585			2
5.72	5.74	5.76	206828.9	7.997036			3
5.79	5.80	5.82	256137.2	37.879079			4
E 5.94	5.96	5.98	2376901	229.817756			5
6.14	6.16	6.18	631928.6	7.385606			6
Height Summation:			**11955888.7**				
Amount Avg CF:			**94.155597**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/14/17 ACF LCS14286 ID: AB **Batchnumber: 172860014A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0070.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 08:39:55
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0070.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		2.55	4	40	
Aroclor-1221			51	15.3	E	5.80	3	40	
Aroclor-1232			51	12.3	E	8.63	4	40	
Aroclor-1242			51	12.3		1.63	4	40	
Aroclor-1248			51	9.9		3.23	4	40	
Aroclor-1254			51	13.2	E	10.87	4	40	
Aroclor-1260			51	11.7		5.26	4	40	
Aroclor-1262			51	9.9	E	1.93	4	40	
Aroclor-1268			51	9.9	E	14.36	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0070.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.512		195393	171841
1.556		111802	105953
1.581		9322	5648
1.61		88477	91708
1.657		207752	188563
1.678		277884	371136
1.719		132634	200424
1.76		61079	57472
1.79		177968	170195
1.818		171508	200400
1.842		120674	115102
1.877		98955	113318
1.891		59906	49735
1.927		58069	55091
1.963		73279	57093
1.996		15409	11836
2.019		24701	17088
2.048		49569	44904
2.066		31300	23966
2.082		26273	14999
2.098		32776	22712
2.129		31086	28123
2.161		14235	7842
2.177		63234	52011
2.198		57469	44620
2.224		365572	265293
2.245		47106	55019
2.279		8175	4175
2.315		62235	54475
2.336		48156	52725
2.381		13626	13446
2.409		10087	5548
2.427		12349	9955
2.463		15713	20430
2.486		132169	97852
2.534		36209	49259
2.575		26693	23425
2.601		35983	29519
2.634		9673	5330
2.664		105553	69889
2.688		7550	3332
2.715		14774	10225
2.748		17076	9654
2.768		2539	1237
2.782		5048	2285
2.801		7535	4700
2.816		6983	3115
2.844		150526	108155
2.899		10855	7288
2.926		6916	3437
2.943		13789	14965
2.982		5778	2908
3.029	TCX	19671590	12741260

RT A	Compound A	Height A	Area A
3.181		1214294	1042298
3.238		1012401	774741
3.286		4675501	3076879
3.364		13850	7409
3.38		571592	375571
3.41		5210	2905
3.422		41390	54151
3.461		44322	70374
3.503		4831288	2930287
3.52		2076220	1073017
3.557		482203	261685
3.573		307305	140675
3.587		221303	102225
3.619		5778585	4054513
3.655		30229	16523
3.67		41335	21443
3.695		493388	360403
3.731		1167592	679144
3.746		598286	303288
3.793		2905450	1554012
3.804		5663555	2955378
3.843		6709058	4981606
3.873		8933	5070
3.904		5745131	4244354
3.945		419284	297951
3.973		3835626	2691586
4.002		2794497	2697777
4.023		477771	220196
4.102		4348738	2963616
4.127		1438049	949164
4.159		1594225	1149217
4.194		4337726	4558484
4.235		1289837	1012833
4.283		188638	165026
4.321		301202	213533
4.358		4230572	3115241
4.378		1020487	579874
4.403		1081932	812032
4.473		556666	482052
4.517		4268824	4035509
4.552		254847	179646
4.616		106714	89198
4.657		1624872	1602668
4.714		623655	418360
4.73		844070	543724
4.776		2620761	2228828
4.824		3551667	3916505
4.862		1095266	779587
4.902		8717572	7748938
4.946		260811	221406
4.992		1383326	1397413
5.028		333682	245390
5.052		1249050	1049665
5.104		7165611	5532709
5.12		746879	500622
5.156		1782168	1593875
5.196		4894744	5011001
5.239		149699	90009
5.276		957366	1142310
5.311		11306840	10106850
5.333		430913	217237
5.351		299069	132333
5.376		5312588	4634674
5.419		3516896	3198796
5.516		913056	777687
5.539		5480203	4755811

RT A	Compound A	Height A	Area A
5.597		2886352	2510642
5.636		1656695	1509117
5.677		455791	424851
5.719		1930093	1947393
5.776		14325150	15008700
5.981		7949421	7431863
6.035		2107399	3845557
6.169		236153	227378
6.232		129704	131506
6.252		1112032	950037
6.406		2697231	2662979
6.452		155236	129716
6.606		680546	693575
6.753	DCB	6287025	6607571
6.956		1717	771
6.991		1596	436
7.185		971	324
7.362		1137	446
7.413		1389	434
7.629		1269	396
7.79		1457	414
8.035		1538	1214
8.091		1309	364
8.265		1366	937
8.321		1529	1690
8.373		1718	637
8.421		1173	1748
8.508		1269	985
8.576		1454	2252
8.646		1858	524

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0070.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.532		55252	52865
1.572		63658	78934
1.599		20814	13535
1.635		46456	86994
1.663		40734	64235
1.696		49701	43994
1.719		16671	11927
1.736		15751	11849
1.773		27967	35201
1.8		11768	9583
1.875		37959	71302
1.921		22941	29945
1.964		16626	14257
1.991		186198	175305
2.029		27470	25507
2.049		25321	33169
2.095		9577	9099
2.125		13072	12309
2.153		14018	11479
2.204		4912	2522
2.236		58556	45875
2.262		8177	5050
2.281		3632	1925
2.308		12452	7411
2.325		18631	12369
2.36		6358	4030
2.392		4524	3000
2.428		59904	54564
2.475		6801	8025
2.526		8321	4928
2.561		52486	34128
2.588		26055	16683
2.615		5024	3668
2.663		6635	3459
2.684		5136	3561
2.702		12492	9056
2.747	TCX	9466832	6639483
2.79		242315	214130
2.827		6722	3180
2.841		11752	9082
2.869		12161	9409
2.888		4081	1618
2.92		732958	567603
2.968		37579	19055
2.981		294758	183824
3.034		2558971	1906751
3.086		47931	50756
3.147		326080	264419
3.174		5494	4323
3.198		4994	2615
3.243		3011864	3328260
3.295		313447	208680
3.318		253269	161264
3.344		154401	86769

3.367	3056546	2358745
3.404	236153	154074
3.45	655959	380889
3.466	337009	170432
3.517	1290230	633341
3.527	3130270	1482065
3.547	46502	14744
3.561	3162870	2451195
3.636	3432204	2376489
3.67	2147799	1419616
3.694	2696234	1645367
3.713	556994	277929
3.804	2726858	2020477
3.828	925607	534942
3.85	930339	613300
3.882	810974	463979
3.9	1960724	1306676
3.943	820460	680636
3.991	301854	303057
4.015	440620	295677
4.038	3144443	2269027
4.064	519378	319096
4.085	101963	51032
4.104	314162	212357
4.141	2514420	2020294
4.177	166193	116743
4.195	303965	203440
4.24	13131	6989
4.262	26194	22186
4.285	866393	923296
4.329	57844	34936
4.353	727438	588880
4.399	543815	343606
4.418	338542	204461
4.43	1549644	925173
4.459	976779	1025401
4.513	5981829	5121873
4.556	196050	167336
4.585	532433	385558
4.61	1169827	876995
4.632	32140	12053
4.655	6614508	5620506
4.763	5954261	5894384
4.819	781086	717101
4.858	1396393	1343155
4.896	6850498	6297764
4.929	3048618	2343713
4.969	2120400	1818054
5.032	16917	18187
5.073	750027	847814
5.125	4129751	3474775
5.15	502155	338118
5.2	2156299	2039225
5.236	1059161	851009
5.264	706277	643258
5.297	188843	117859
5.318	10088360	8862982
5.36	170083	129721
5.395	462066	424826
5.511	80360	48437
5.534	1804745	1617138
5.579	6679348	7708024
5.736	206829	192350
5.778	154961	118127
5.804	256137	211592
5.853	1088948	1047668
5.958	2376901	2116710

5.989		109451	81126
6.158		631929	628805
6.318	DCB	6020767	5869491
8.633		3774	6929

LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 808:

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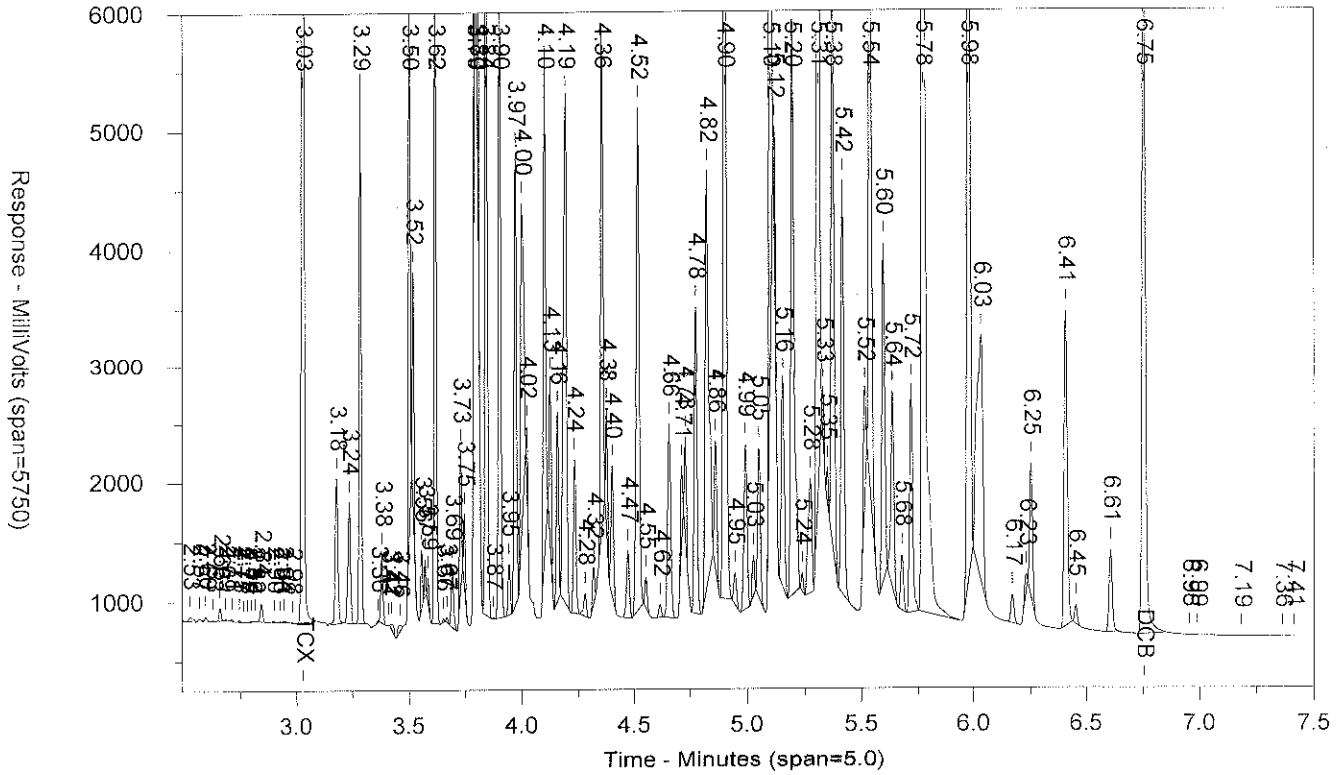

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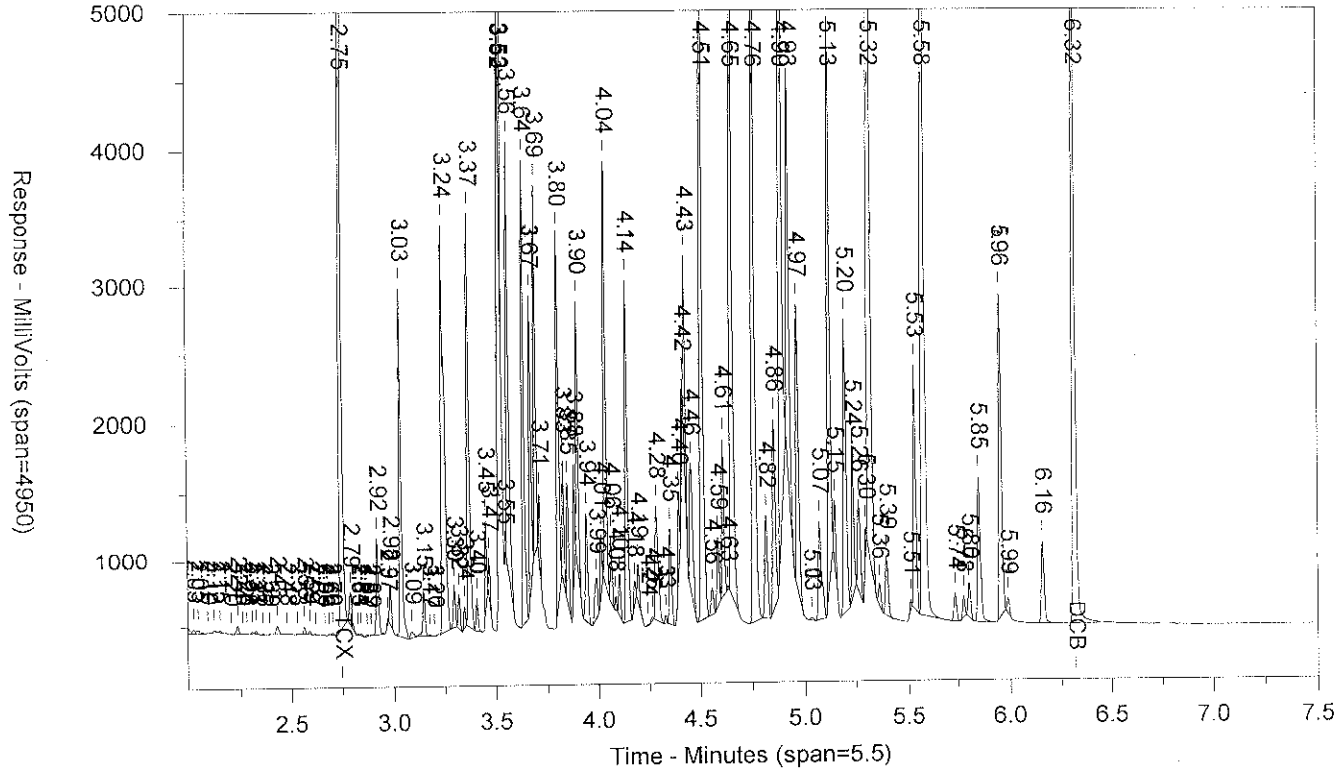

LANCASTER LABORATORIES

Sample Number: LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 8082
Injected On: 10/24/2017 8:39:55 AM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	19671590	30.981	TCX	2.747	9466832	31.187	TCX
6.753	6287025	24.633	DCB	6.318	6020767	26.094	DCB

Files:
Area File: 07PCBS17292003.0070.RAW
Area File: 07PCBS17292003B.0070.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 8:48:37 AM
File Reported On: 10/24/2017 at 8:48:56 AM

LCSA 10/14/17 ACF ABLCS14286 LCS 172860014A 10225 SW-846 808:

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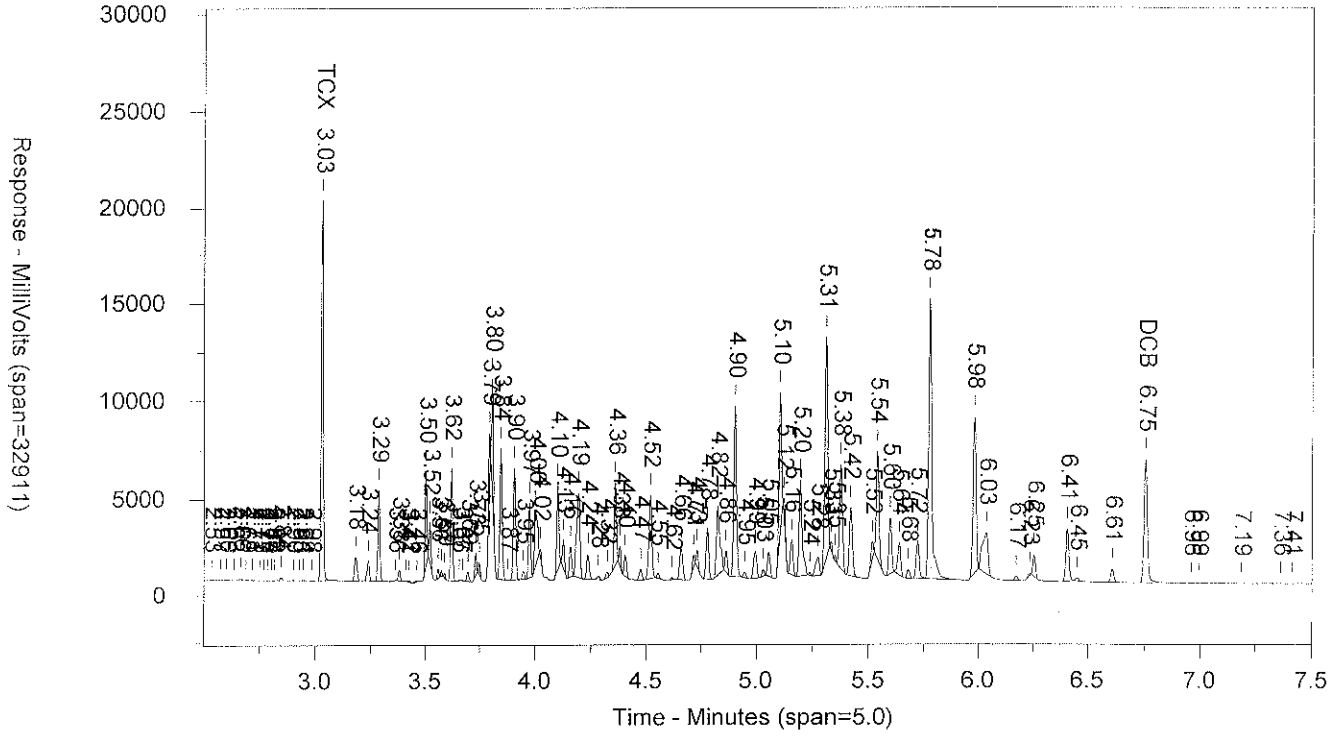

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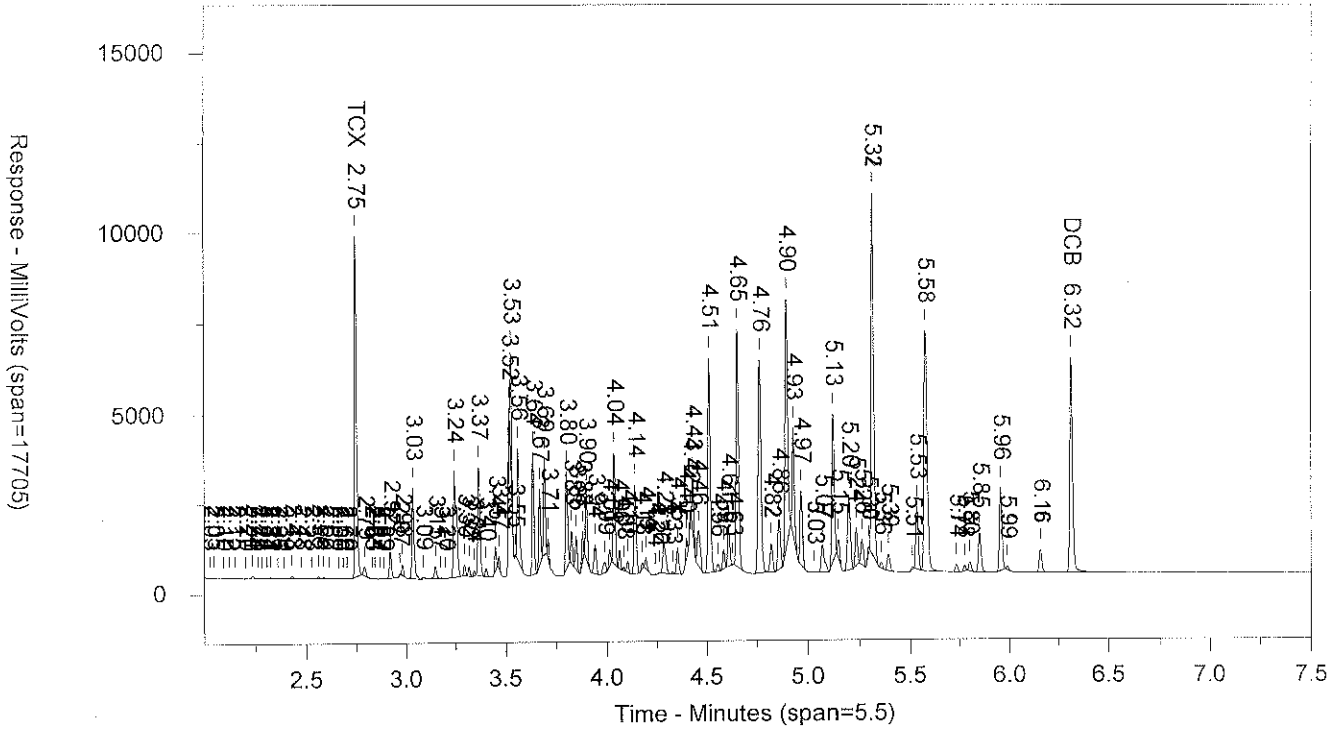

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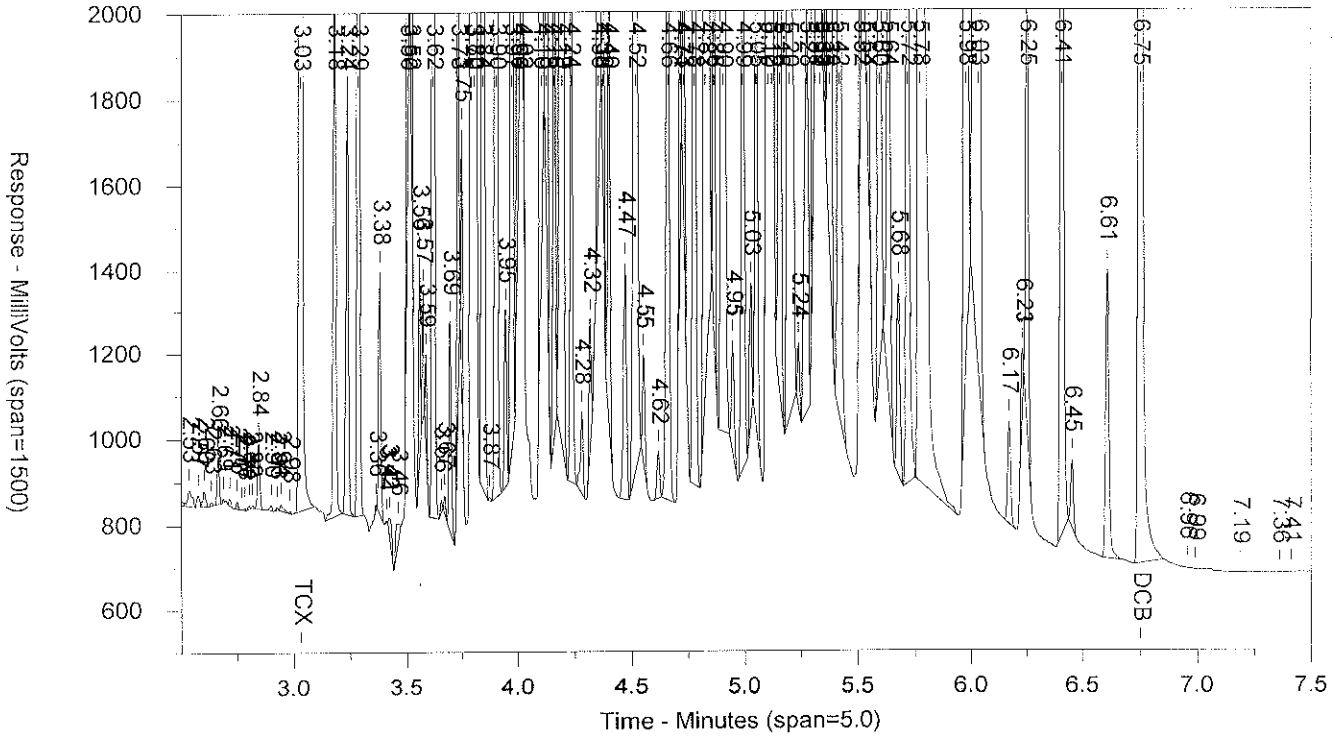

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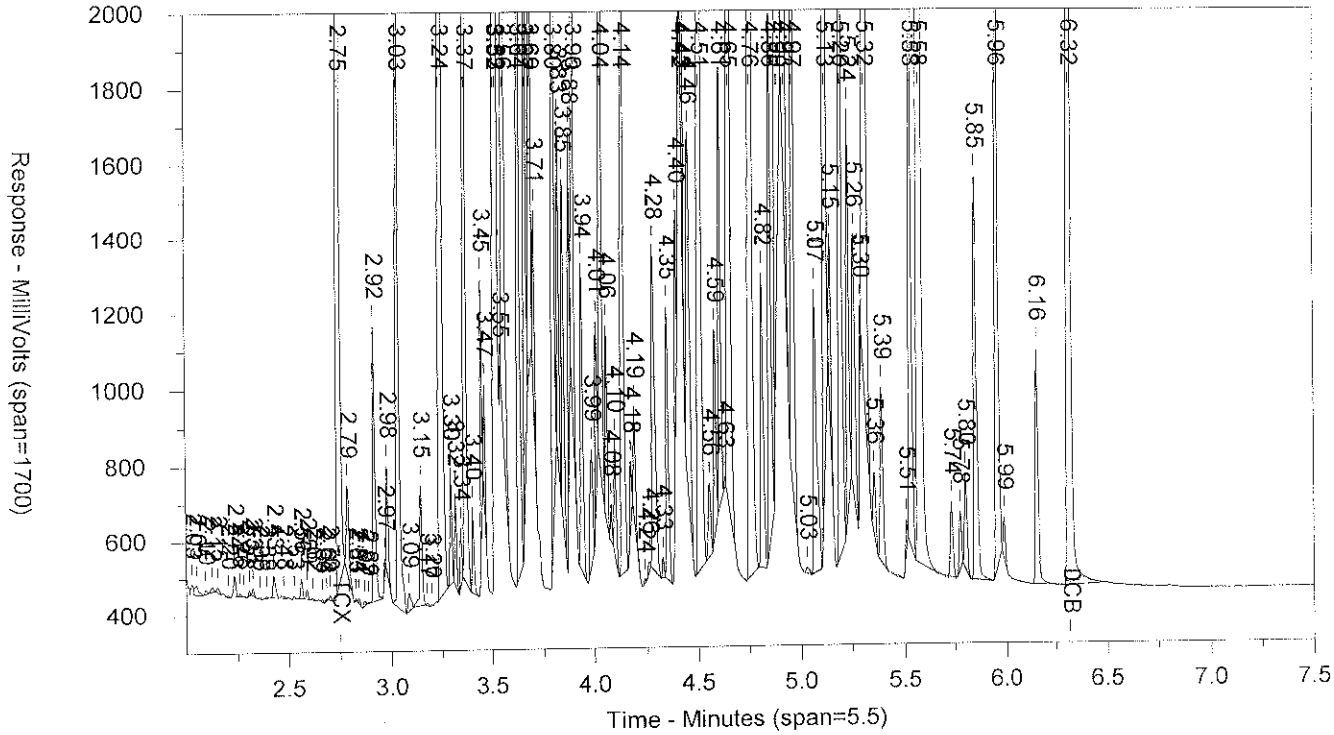

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Data Summary

Sample Name: BLANKA 10/17/17 ACF PBLK27289 BLK Sample ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 12:51:23
Instrument	19843A
Result file	07PCBS17292003.0092.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

%SSR(TCX) 108% (61 - 152) Conc: 33.02821
%SSR(DCB) 103% (48 - 164) Conc: 27.93023

Analysis Report (B)

Injected on	Oct 24, 2017 12:51:23
Instrument	19843B
Result file	07PCBS17292003B.0092.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

%SSR(TCX) 106% (61 - 152) Conc: 32.32244
%SSR(DCB) 108% (48 - 164) Conc: 29.32065

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	20971460	33.02821
Decachlorobiphenyl	6.72	6.75	6.78	7128514	27.93023

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.72	2.75	2.78	9811423	32.32244
Decachlorobiphenyl	6.29	6.32	6.35	6765382	29.32065

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	A	33.02821				2.16	
Tetrachloro-m-xylene-D1	A	33.02821					
Tetrachloro-m-xylene-D2	B	32.32244					
Decachlorobiphenyl	B	29.32065				4.86	
Decachlorobiphenyl-D1	A	27.93023					
Decachlorobiphenyl-D2	B	29.32065					

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016			<51	<9.9			4	
PCB-1221			<51	<15.3			3	
PCB-1232			<51	<12.3			4	
PCB-1242			<51	<12.3			4	
PCB-1248			<51	<9.9			4	
PCB-1254			<51	<13.2			4	
PCB-1260			<51	<11.7			4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs			<51	<9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/25/2017 18:05:06

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/17/17 ACF PBLK27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0092.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 108% (61-152) Conc.: 33.02821
%SSR(DCB) : 103% (48-164) Conc.: 27.93023

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	60.42	
3.27	3.30	3.31	30596.59	3.055087			1
+ 3.48	3.49	3.52	18901.85	1.816144			2
3.48	3.51	3.52	60806.39	5.842452			2
3.60	3.64	3.64	27742.97	2.311674			3
3.82	3.85	3.86	50620.88	3.62161			4
3.88	3.90	3.92	9528.156	0.815198			5
+ 3.88	3.92	3.92	8974.046	0.76779			5
4.08	4.09	4.12	14919.8	1.719056			6
Height Summation:			194214.786				
Amount Avg CF:			2.89418	Linear:			
Aroclor-1221					3	141.38	
3.16	3.18	3.20	28812.54	5.618883			1
3.22	3.23	3.26	236328.6	53.458036			2
3.27	3.30	3.31	30596.59	1.920847			3
Height Summation:			295737.73				
Amount Avg CF:			20.332589	Linear:			
Aroclor-1232					5	77.93	
3.26	3.30	3.30	30596.59	2.507891			1
+ 3.48	3.49	3.52	18901.85	3.913604			2
3.48	3.51	3.52	60806.39	12.589886			2
3.82	3.82	3.86	75888.03	11.030453			4
+ 3.82	3.85	3.86	50620.88	7.35783			4
3.88	3.90	3.92	9528.156	1.838117			5
+ 3.88	3.92	3.92	8974.046	1.731222			5
4.08	4.09	4.12	14919.8	4.200661			6
Height Summation:			191738.966				
Amount Avg CF:			6.433402	Linear:			
Aroclor-1242					6	59.49	
3.27	3.30	3.31	30596.59	3.565982			1
+ 3.48	3.49	3.52	18901.85	2.188711			2
3.48	3.51	3.52	60806.39	7.040983			2
3.60	3.64	3.64	27742.97	2.774958			3
3.82	3.85	3.86	50620.88	4.202034			4
3.88	3.90	3.92	9528.156	1.055217			5
+ 3.88	3.92	3.92	8974.046	0.993851			5
4.08	4.09	4.12	14919.8	2.173506			6
Height Summation:			194214.786				
Amount Avg CF:			3.46878	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0092.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 106% (61-152) Conc.: 32.32244
%SSR(DCB) : 108% (48-164) Conc.: 29.32065

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	172.52	
+ 3.02	3.03	3.06	12421.62	2.31862			1
3.02	3.06	3.06	40475.51	7.555159			1
3.35	3.38	3.39	231584.2	35.664791			2
+ 3.54	3.55	3.58	5448.119	0.841265			3
3.54	3.58	3.58	5644.808	0.871637			3
3.62	3.65	3.66	4161.511	0.617849			4
3.68	3.68	3.72	10604.02	2.086274			5
3.79	3.80	3.83	6757.522	1.196347			6
Height Summation:			299227.571				
Amount Avg CF:			7.998676	Linear:			
Aroclor-1221					3	156.08	
2.90	2.91	2.94	16102.48	5.122252			1
2.96	2.97	3.00	171039.4	94.133038			2
+ 2.96	3.00	3.00	30905.26	17.008982			2
3.02	3.03	3.06	12421.62	1.559042			3
Height Summation:			199563.5				
Amount Avg CF:			33.604777	Linear:			
Aroclor-1232					6	200.35	
3.02	3.03	3.06	12421.62	1.971207			1
3.35	3.38	3.39	231584.2	76.679206			2
+ 3.54	3.55	3.58	5448.119	1.765096			3
3.54	3.58	3.58	5644.808	1.82882			3
3.62	3.65	3.66	4161.511	1.416496			4
3.68	3.68	3.72	10604.02	5.646665			5
3.79	3.80	3.83	6757.522	2.943853			6
Height Summation:			271173.681				
Amount Avg CF:			15.081041	Linear:			
Aroclor-1242					6	172.00	
+ 3.02	3.03	3.06	12421.62	2.695204			1
3.02	3.06	3.06	40475.51	8.782248			1
3.35	3.38	3.39	231584.2	42.181417			2
+ 3.54	3.55	3.58	5448.119	0.955627			3
3.54	3.58	3.58	5644.808	0.990127			3
3.62	3.65	3.66	4161.511	0.76202			4
3.68	3.68	3.72	10604.02	2.688797			5
3.79	3.80	3.83	6757.522	1.456985			6
Height Summation:			299227.571				
Amount Avg CF:			9.476932	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/17/17 ACF PBLK27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0092.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**5**	**98.13**	
3.82	3.82	3.86	75888.03	9.896076			1
+ 3.82	3.85	3.86	50620.88	6.601147			1
3.88	3.90	3.92	9528.156	1.486748			2
+ 3.88	3.92	3.92	8974.046	1.400286			2
3.95	3.96	3.99	13185.65	1.206995			3
4.08	4.09	4.12	14919.8	1.220421			4
4.36	4.36	4.40	59445.99	6.070217			6
+ 4.36	4.39	4.40	2594.666	0.26495			6
Height Summation:			**172967.626**				
Amount Avg CF:			**3.976092**	Linear:			
Aroclor-1254					**6**	**46.22**	
4.69	4.71	4.73	16837.33	1.408117			1
4.76	4.77	4.80	14301.01	0.603279			2
4.88	4.90	4.92	5181.411	0.717822			3
4.97	4.97	5.01	23981.66	1.550654			4
5.17	5.19	5.21	5647.961	0.467072			5
5.29	5.31	5.33	15455.21	1.001357			6
Height Summation:			**81404.582**				
Amount Avg CF:			**0.95805**	Linear:			
Aroclor-1260					**5**	**91.30**	
4.88	4.90	4.92	5181.411	0.291671			1
5.29	5.31	5.33	15455.21	0.662055			2
5.36	5.38	5.40	40987.32	3.469019			3
5.52	5.54	5.56	15791.71	1.291813			4
5.96	5.98	6.00	19325.34	1.081032			6
Height Summation:			**96740.991**				
Amount Avg CF:			**1.359118**	Linear:			
Aroclor-1262					**5**	**73.60**	
5.35	5.38	5.39	40987.32	2.145714			1
5.52	5.54	5.56	15791.71	0.960953			2
5.96	5.98	6.00	19325.34	0.868965			4
6.01	6.03	6.05	35388.87	3.372357			5
6.38	6.41	6.42	6545.96	0.572409			6
Height Summation:			**118039.2**				
Amount Avg CF:			**1.58408**	Linear:			
Aroclor-1268					**6**	**176.38**	
+ 5.96	5.96	5.99	2264.958	0.054684			1
5.96	5.98	5.99	19325.34	0.466584			1
6.01	6.03	6.05	35388.87	0.997348			2
+ 6.15	6.15	6.19	2705.965	0.082766			3
6.15	6.17	6.19	130150.6	3.980858			3
6.21	6.24	6.25	184805.6	21.129963			4
6.38	6.41	6.42	6545.96	0.507434			5
6.58	6.61	6.62	76722.13	0.767128			6
Height Summation:			**452938.5**				
Amount Avg CF:			**4.641553**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0092.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					**6**	**52.24**	
+ 3.54	3.55	3.58	5448.119	1.718053			1
3.54	3.58	3.58	5644.808	1.780079			1
3.62	3.65	3.66	4161.511	1.081923			2
3.68	3.68	3.72	10604.02	1.874434			3
3.79	3.80	3.83	6757.522	0.861218			4
3.88	3.89	3.92	10787.07	2.273501			5
+ 3.88	3.91	3.92	5884.906	1.240313			5
4.02	4.04	4.06	3679.705	0.372334			6
Height Summation:			**41634.636**				
Amount Avg CF:			**1.373915**	Linear:			
Aroclor-1254					**3**	**78.37**	
4.40	4.42	4.44	6582.222	0.455845			2
4.50	4.52	4.54	24913.02	3.566996			3
4.88	4.91	4.92	20614.31	1.934532			6
Height Summation:			**52109.552**				
Amount Avg CF:			**1.985791**	Linear:			
Aroclor-1260					**5**	**47.60**	
4.75	4.78	4.78	14890.01	1.270563			2
4.88	4.91	4.92	20614.31	1.543288			3
5.11	5.13	5.15	3146.812	0.359057			4
5.30	5.32	5.34	13801.28	0.675486			5
5.56	5.58	5.60	16207.84	1.178208			6
Height Summation:			**68660.252**				
Amount Avg CF:			**1.00532**	Linear:			
Aroclor-1262					**6**	**73.94**	
4.91	4.95	4.95	3057.523	0.241694			1
5.11	5.13	5.15	3146.812	0.23697			2
5.30	5.32	5.34	13801.28	0.556947			3
5.52	5.54	5.56	2283.44	0.23984			4
5.56	5.58	5.60	16207.84	0.943178			5
5.94	5.96	5.98	11633.43	1.230633			6
Height Summation:			**50130.325**				
Amount Avg CF:			**0.574877**	Linear:			
Aroclor-1268					**6**	**175.74**	
5.52	5.54	5.56	2283.44	0.076929			1
5.56	5.58	5.60	16207.84	0.536397			2
5.72	5.74	5.76	111774.8	4.321771			3
5.79	5.80	5.82	142837	21.123577			4
5.94	5.96	5.98	11633.43	1.124813			5
6.14	6.16	6.18	70276.05	0.821345			6
Height Summation:			**355012.56**				
Amount Avg CF:			**4.667472**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **BLANKA** 10/17/17 ACF PBLK27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0092.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 12:51:23
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0092.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		** 93.72	4	40	
Aroclor-1221			51	15.3		** 49.21	3	40	
Aroclor-1232			51	12.3		** 80.39	4	40	
Aroclor-1242			51	12.3		** 92.82	4	40	
Aroclor-1248			51	9.9		** 97.28	4	40	
Aroclor-1254			51	13.2		** 69.82	4	40	
Aroclor-1260			51	11.7		29.93	4	40	
Aroclor-1262			51	9.9		** 93.49	4	40	
Aroclor-1268			51	9.9		0.56	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 10/17/17 ACFABPBLK27289 BLK 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 12:51:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0092.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.513		9491	9524
1.638		94388	85906
1.672		170776	337311
1.708		52538	85518
1.759		192063	233791
1.792		70783	91977
1.826		39177	44338
1.865		43748	67907
1.928		42794	72023
1.967		31423	34339
1.99		34551	54982
2.02		35003	39601
2.05		17887	21163
2.083		213128	150754
2.102		8910	5580
2.127		34542	34437
2.171		5452	4023
2.224		3338739	2240746
2.272		27314	29308
2.296		32839	24714
2.318		30872	24366
2.349		7111	3972
2.411		13939	8341
2.453		8214	5463
2.486		4071072	2587309
2.533		50236	55913
2.57		19027	16179
2.602		109077	76306
2.633		10927	8020
2.667		8041	5113
2.688		13197	7989
2.755		9790	9128
2.783		7185	3567
2.799		64821	38452
2.844		594469	599208
2.974		78229	51848
3.029	TCX	20971460	13441340
3.085		6631	4717
3.18		28813	68233
3.216		10963	10033
3.231		236329	141860
3.26		35457	52520
3.297		30597	27608
3.315		23620	27417
3.365		75488	105033
3.391		14514	6277
3.409		20851	11535
3.428		74719	54752
3.457		36739	36148
3.487		18902	15758
3.509		60806	56000
3.537		85544	76722
3.575		148910	120210

RT A	Compound A	Height A	Area A
3.596		36975	32173
3.637		27743	15840
3.659		41181	48379
3.698		451491	331565
3.73		54573	49035
3.769		346509	305697
3.823		75888	122152
3.852		50621	46287
3.878		33541	27044
3.897		9528	5187
3.917		8974	7013
3.931		1363	265
3.961		13186	7399
4.014		32283	54956
4.054		7674	5329
4.094		14920	17353
4.125		6148	5434
4.157		13216	17290
4.216		3561	20057
4.268		16200	21084
4.326		3962	2949
4.359		59446	47040
4.386		2595	1211
4.404		1232	407
4.421		4007	2796
4.45		1407	400
4.515		9302	9157
4.656		7418	7578
4.714		16837	15855
4.774		14301	19425
4.806		1689	592
4.825		1628	483
4.862		4951	4650
4.902		5181	4457
4.975		23982	21482
5.029		59866	56183
5.063		9472	12442
5.106		7779	5029
5.191		5648	4963
5.216		2669	1720
5.27		95786	89547
5.311		15455	18032
5.352		8308	6703
5.383		40987	43865
5.452		5898	4805
5.494		13222	20966
5.541		15792	23984
5.595		11120	8413
5.618		9562	10369
5.677		88727	109560
5.714		1885	781
5.8		121216	128515
5.843		7629	10030
5.888		13115	11515
5.909		3637	1727
5.93		12086	9755
5.955		2265	892
5.981		19325	31928
6.028		35389	97480
6.103		6794	4078
6.147		2706	2167
6.171		130151	121769
6.205		3931	2457
6.236		184806	239812
6.297		8595	6822
6.327		6250	6754

RT A	Compound A	Height A	Area A
6.38		3093	2790
6.409		6546	5084
6.446		3431	4074
6.473		3300	1791
6.499		5454	7073
6.538		4345	4389
6.566		6923	10000
6.609		76722	73310
6.661		2870	2837
6.755	DCB	7128515	7556675
7.035		921	306
7.046		1925	3014
7.132		1535	752
7.193		1864	1160
7.245		1153	425
7.263		1325	252
7.304		1265	1474
7.566		1277	550
7.671		1759	1550
7.833		1420	571
8.075		980	346
8.101		1384	653
8.316		1753	882
8.367		1264	386
8.449		2490	694
8.538		1151	976
8.619		1556	1240

LANCASTER LABORATORIES

Sample Number: BLANKA 10/17/17 ACFABPBLK27289 BLK 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 12:51:23 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0092.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.509		26281	15507
1.542		9656	7081
1.572		8490	6320
1.607		2206	2213
1.653		8316	12560
1.709		2473	1886
1.737		6571	5333
1.764		5942	3560
1.807		5635	4812
1.872		88111	75830
1.905		7124	8387
1.942		28400	28594
1.991		1379516	1117922
2.048		25471	32422
2.11		5067	3421
2.157		2944	2081
2.237		1763335	1271874
2.325		51826	39103
2.365		4774	4469
2.391		5190	2696
2.454		4441	3095
2.49		2973	3706
2.518		30373	21474
2.562		283123	190792
2.588		121703	82391
2.626		8405	5196
2.685		18095	24054
2.72		36330	21345
2.747	TCX	9811423	6982000
2.828		6576	3543
2.841		15427	13389
2.869		38601	27033
2.889		4180	1885
2.906		16102	28927
2.968		171039	170419
2.997		30905	23740
3.033		12422	20722
3.057		40476	34631
3.087		53084	57531
3.128		31767	36681
3.18		8489	7695
3.196		7762	4225
3.219		20958	29186
3.253		21968	20355
3.285		78816	60647
3.309		8209	5094
3.328		22160	16321
3.385		231584	209737
3.423		20472	19657
3.461		226299	154464
3.495		15592	14788
3.522		16869	12781
3.549		5448	3193
3.582		5645	5923

3.601		5327	4363
3.646		4162	3247
3.679		10604	8836
3.743		9860	7883
3.804		6758	30998
3.89		10787	13623
3.914		5885	4933
3.987		38456	30996
4.039		3680	3704
4.106		2578	2629
4.141		4863	5339
4.188		3221	6051
4.248		6881	6595
4.294		5239	5878
4.329		6795	4444
4.415		6582	12614
4.52		24913	24974
4.562		2640	2468
4.608		6496	4737
4.631		42265	33414
4.709		13971	30050
4.779		14890	33887
4.869		59974	52438
4.908		20614	26577
4.946		3058	2188
4.968		6741	6082
5.037		12803	23760
5.09		6280	9040
5.126		3147	1917
5.172		2315	1722
5.194		11372	12410
5.246		5848	9776
5.272		41952	46372
5.318		13801	10368
5.371		2842	8080
5.394		87206	77240
5.452		10952	19817
5.491		2419	2058
5.54		2283	1722
5.582		16208	21649
5.644		3290	5121
5.669		6064	4794
5.695		3476	2371
5.736		111775	117603
5.804		142837	131537
5.852		41237	40329
5.89		8375	9496
5.958		11633	16029
5.996		3663	3746
6.052		5252	9715
6.158		70276	74082
6.197		2530	2229
6.253		2142	1800
6.318	DCB	6765382	6571494
7.61		1620	1244
7.757		1371	2024
8.634		3221	5677

BLANKA 10/17/17 ACFABPBLK27289 BLK 172890027A 10225 SW-846 8(

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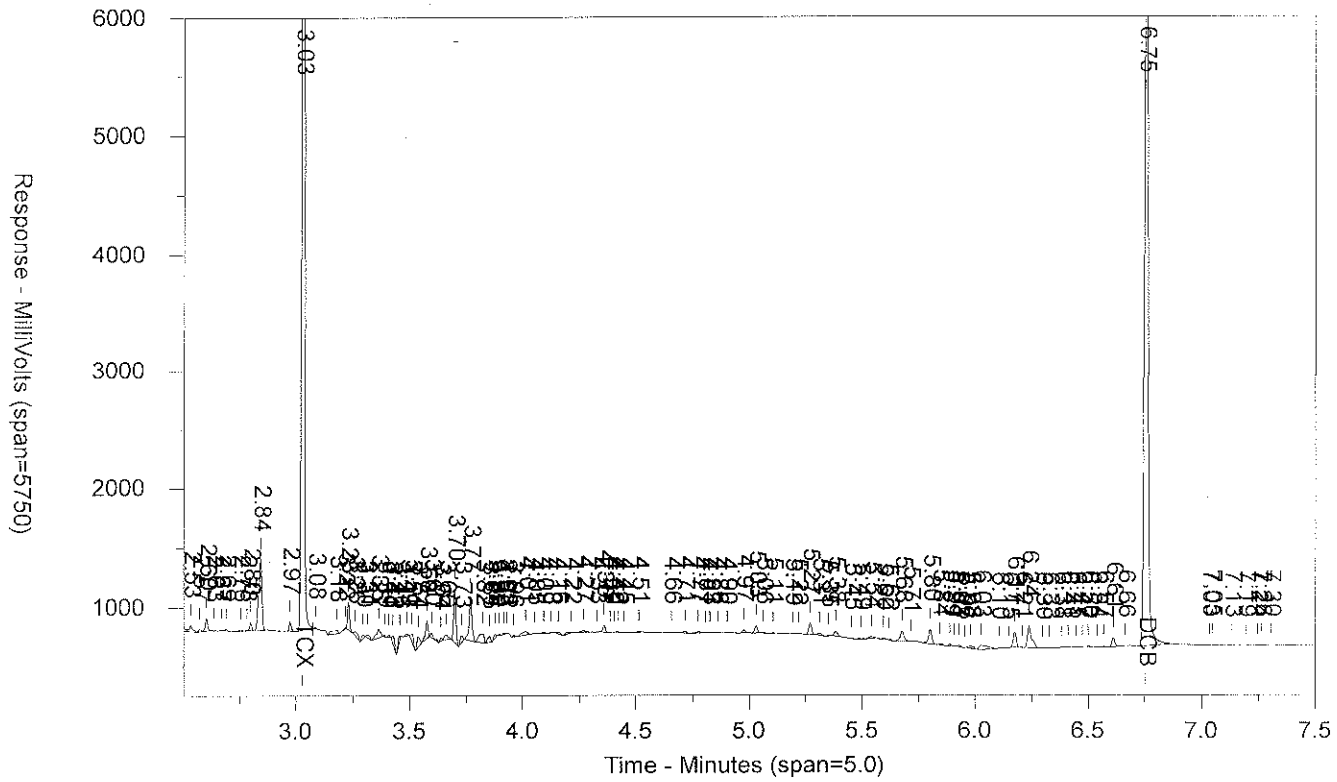

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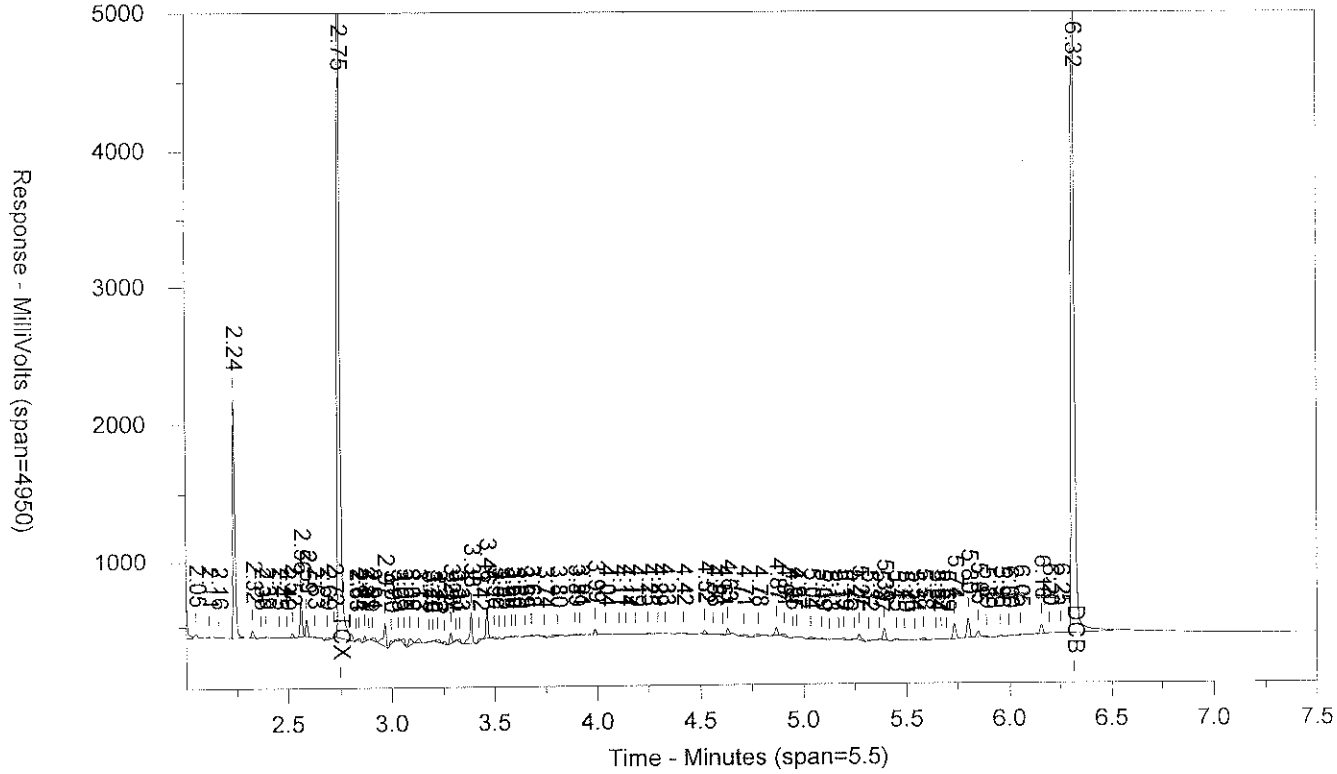

LANCASTER LABORATORIES

Sample Number: BLANKA 10/17/17 ACFABPBLK27289 BLK 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 12:51:23 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	20971460	33.028	TCX	2.747	9811423	32.322	TCX
6.755	7128515	27.93	DCB	6.318	6765382	29.321	DCB

Files:
Area File: 07PCBS17292003.0092.RAW
Area File: 07PCBS17292003B.0092.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:00:06 PM
File Reported On: 10/24/2017 at 1:00:22 PM

BLANKA 10/17/17 ACFABPBLK27289 BLK 172890027A 10225 SW-846 8(

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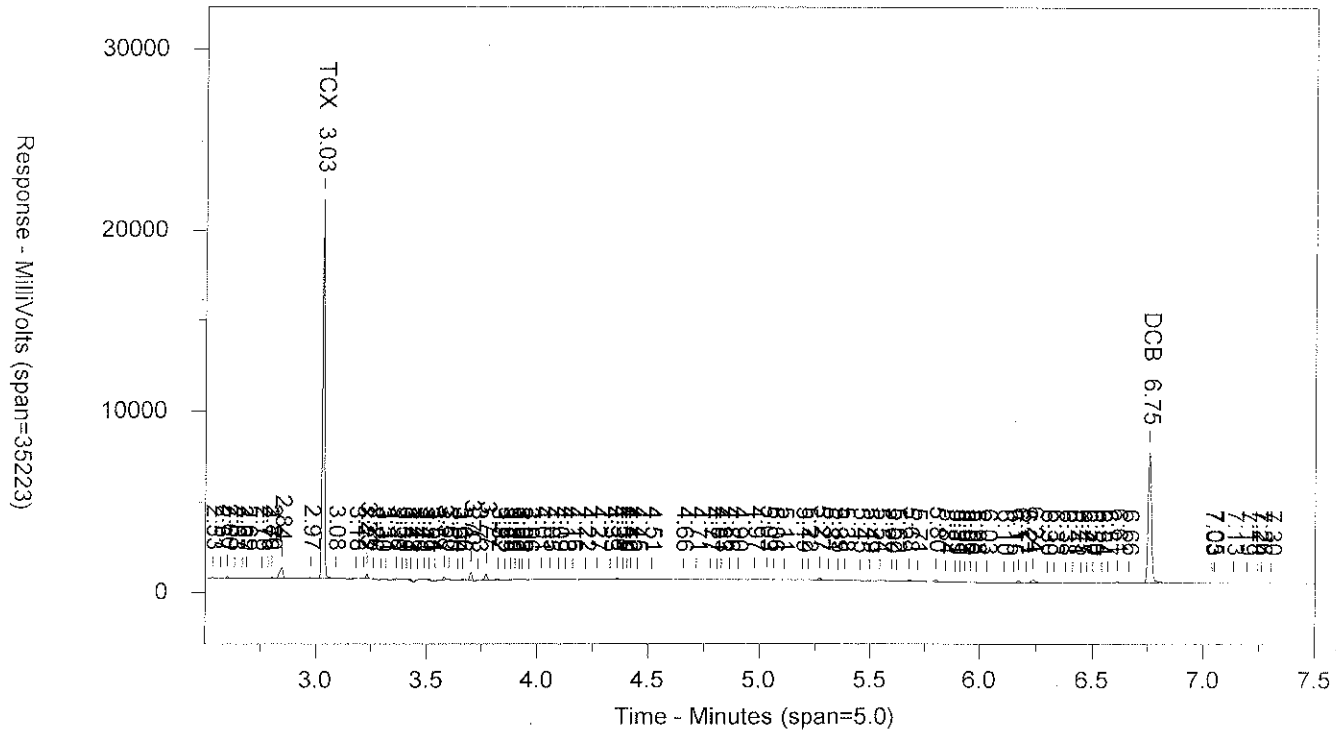

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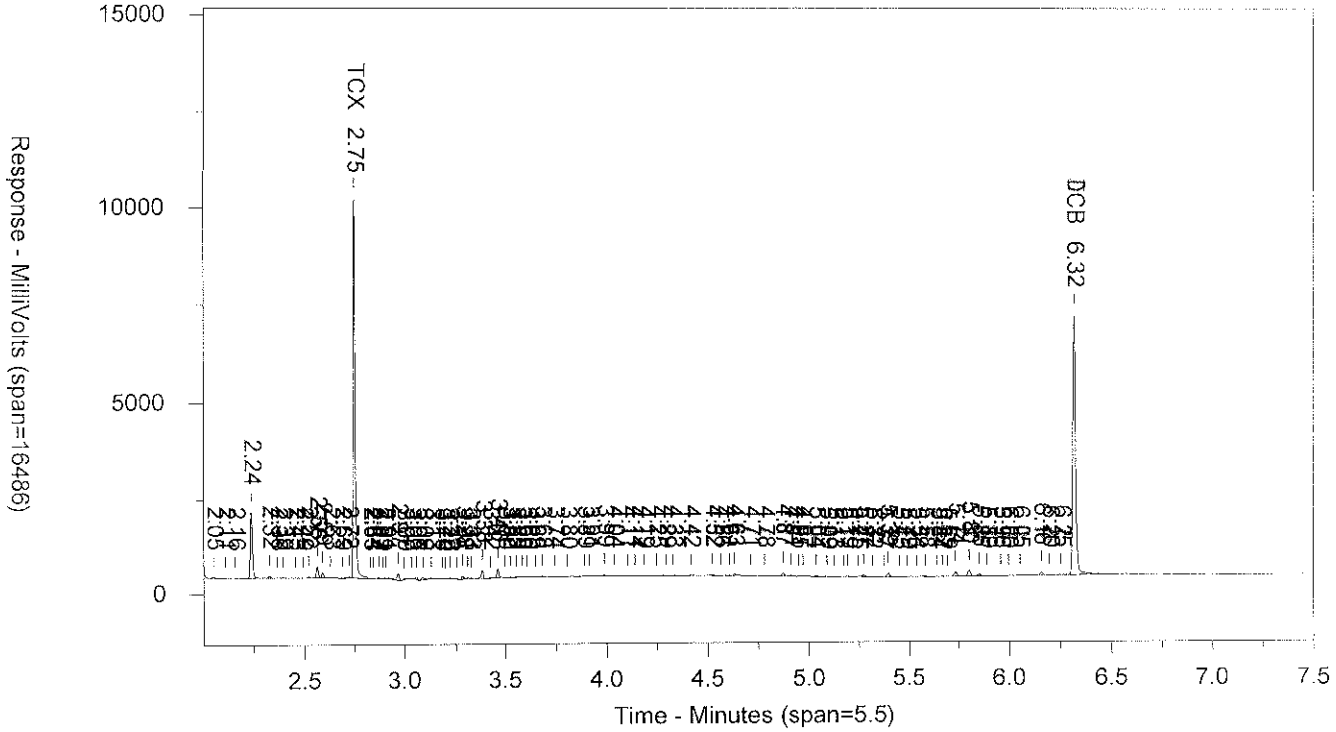

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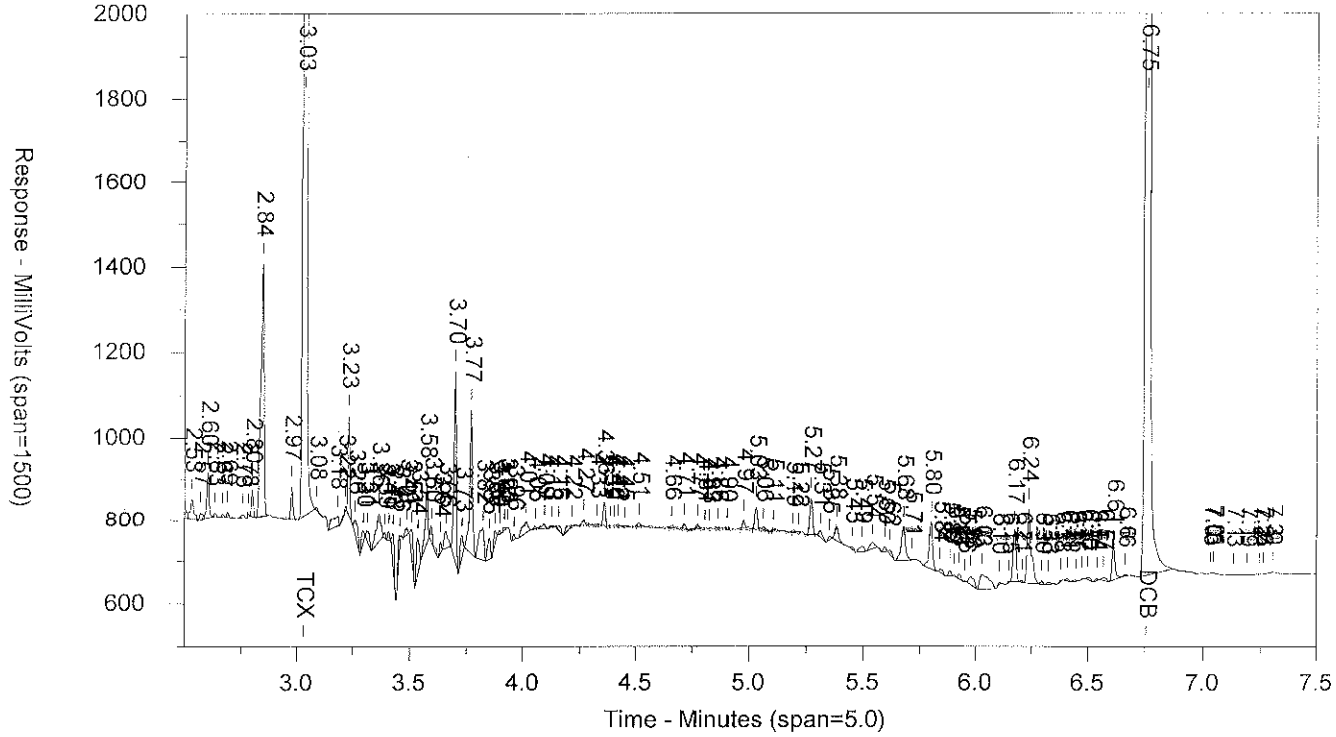

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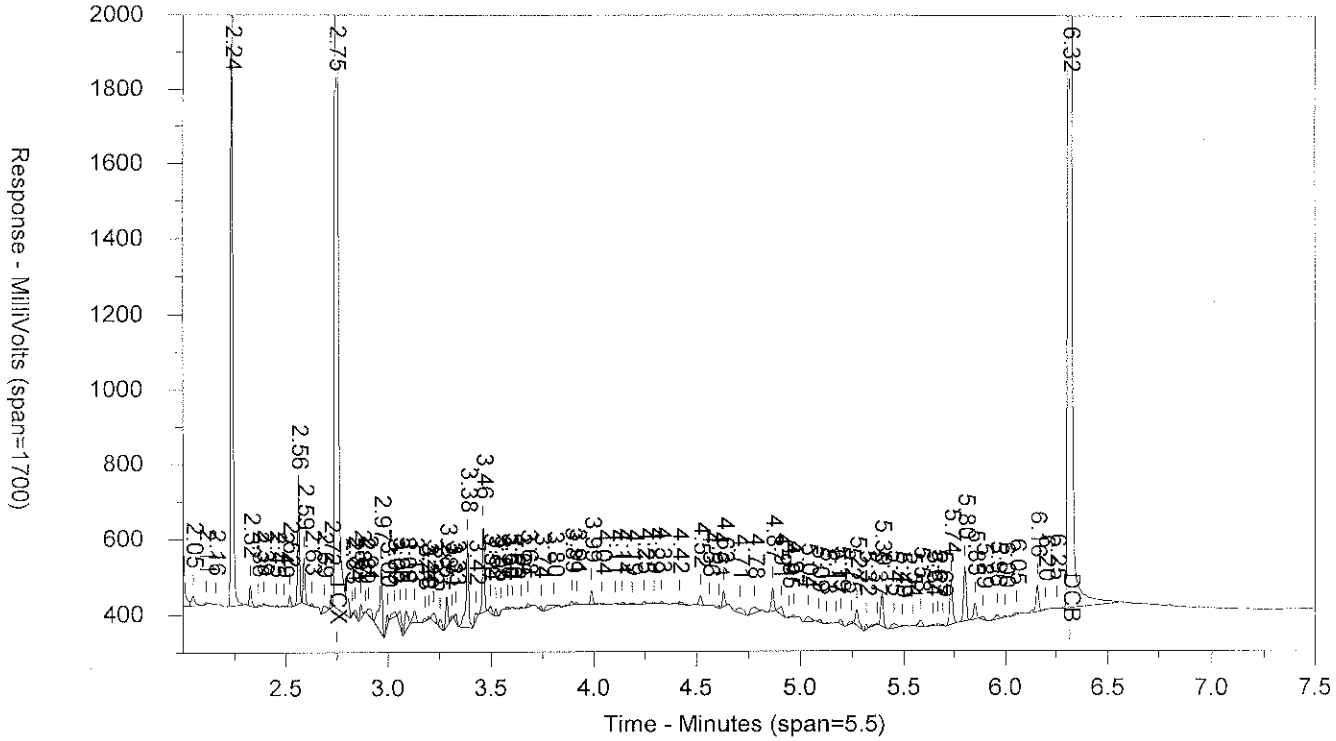

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Data Summary

Sample Name: LCSA 10/17/17 ACF LCS27289 LCS Sample ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on Oct 24, 2017 13:25:37
Instrument 19843A
Result file 07PCBS17292003.0095.RAW
Calibration file 07PCBS1729202
Method file 07PCBS

%SSR(TCX) 106% (61 - 152) Conc: 32.40946
%SSR(DCB) 109% (48 - 164) Conc: 29.56077

Analysis Report (B)

Injected on Oct 24, 2017 13:25:37
Instrument 19843B
Result file 07PCBS17292003B.0095.RAW
Calibration file 07PCBS1729202B
Method file 07PCBSB

%SSR(TCX) 110% (61 - 152) Conc: 33.63671
%SSR(DCB) 111% (48 - 164) Conc: 30.03893

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	3.00	3.03	3.06	20578580	32.40946	Tetrachloro-m-xylene	2.72	2.75	2.78	10210370	33.63671
Decachlorobiphenyl	6.72	6.75	6.78	7544669	29.56077	Decachlorobiphenyl	6.29	6.32	6.35	6931115	30.03893

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	33.63671				3.72	
Tetrachloro-m-xylene-D1	A	32.40946					
Tetrachloro-m-xylene-D2	B	33.63671					
Decachlorobiphenyl	B	30.03893				1.60	
Decachlorobiphenyl-D1	A	29.56077					
Decachlorobiphenyl-D2	B	30.03893					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**4.71**	
3.27	3.29	3.31	4903908	489.658026			1
3.48	3.50	3.52	5212477	500.829715			2
3.60	3.62	3.64	5916246	492.969373			3
3.82	3.84	3.86	7395329	529.089917			4
3.88	3.91	3.92	6287886	537.970878			5
4.08	4.10	4.12	4731418	545.153066			6
Height summation:			**34447264**				
Concentration		CF:	**515.945163**	L:			
Aroclor-1260						**4.46**	
4.88	4.90	4.92	9856511	554.841385			1
5.29	5.31	5.33	13126500	562.300438			2
5.36	5.38	5.40	6177352	522.828775			3
5.52	5.54	5.56	6419606	525.144377			4
5.76	5.78	5.80	16588140	570.40126			5
5.96	5.98	6.00	9158758	512.327718			6
Height summation:			**61326867**				
Concentration		CF:	**541.307326**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**5.60**	
3.02	3.03	3.06	2537476	473.645317			1
3.35	3.37	3.39	3123740	481.067077			2
3.54	3.56	3.58	3413470	527.087142			3
3.62	3.64	3.66	3652336	542.252914			4
3.68	3.69	3.72	2715377	534.233206			5
3.79	3.80	3.83	2940800	520.637188			6
Height summation:			**18383199**				
Concentration		CF:	**513.153807**	L:			
Aroclor-1260						**4.21**	
4.64	4.65	4.68	7484308	555.213794			1
4.75	4.76	4.78	6584499	561.854548			2
4.88	4.90	4.92	7965892	596.365765			3
5.11	5.13	5.15	4592756	524.041816			4
5.30	5.32	5.34	11233060	549.78755			5
5.56	5.58	5.60	7774788	565.178076			6
Height summation:			**45635303**				
Concentration		CF:	**558.740258**	L:			

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:31:23

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Data Summary

Sample Name: LCSA 10/17/17 ACF LCS27289 LCS Sample ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 2855 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Oct 24, 2017 13:25:37
Instrument	19843A
Result file	07PCBS17292003.0095.RAW
Calibration file	07PCBS1729202
Method file	07PCBS

Analysis Report (B)

Injected on	Oct 24, 2017 13:25:37
Instrument	19843B
Result file	07PCBS17292003B.0095.RAW
Calibration file	07PCBS1729202B
Method file	07PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	515.945163	51	9.9		0.54	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	541.307326	51	11.7		3.17	4	
PCB-1262			<51	<9.9			4	
PCB-1268			<51	<9.9			4	
Total PCBs	A	1057.252488	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

OCT 26 2017

Reviewed and digitally signed by Jessica L Miller on 10/26/2017 11:31:23

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/17/17 ACF LCS27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

1260 005B

Analysis Report (A)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0095.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

%SSR(TCX) : 106% (61-152) Conc.: 32.40946
%SSR(DCB) : 109% (48-164) Conc.: 29.56077

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	4.71	
3.27	3.29	3.31	4903908	489.658026			1
3.48	3.50	3.52	5212477	500.829715			2
+ 3.48	3.52	3.52	2449306	235.336334			2
3.60	3.62	3.64	5916246	492.969373			3
3.82	3.84	3.86	7395329	529.089917			4
3.88	3.91	3.92	6287886	537.970878			5
4.08	4.10	4.12	4731418	545.153066			6
Height Summation:			34447264				
Amount Avg CF:			515.945162	Linear:			
Aroclor-1221					3	27.29	
3.16	3.18	3.20	920478.8	179.507334			1
E 3.22	3.24	3.26	1001416	226.522446			2
E 3.27	3.29	3.31	4903908	307.866263			3
Height Summation:			6825802.8				
Amount Avg CF:			237.965348	Linear:			
Aroclor-1232					6	31.57	
E 3.26	3.29	3.30	4903908	401.955402			1
E 3.48	3.50	3.52	5212477	1079.236795			2
E+ 3.48	3.52	3.52	2449306	507.125721			2
E 3.60	3.62	3.64	5916246	1052.053978			3
E 3.82	3.84	3.86	7395329	1074.9235			4
E 3.88	3.91	3.92	6287886	1213.023092			5
E 4.08	4.10	4.12	4731418	1332.12786			6
Height Summation:			34447264				
Amount Avg CF:			1025.553438	Linear:			
Aroclor-1242					6	8.35	
3.27	3.29	3.31	4903908	571.542356			1
3.48	3.50	3.52	5212477	603.570816			2
+ 3.48	3.52	3.52	2449306	283.613649			2
3.60	3.62	3.64	5916246	591.76548			3
3.82	3.84	3.86	7395329	613.885531			4
3.88	3.91	3.92	6287886	696.366051			5
4.08	4.10	4.12	4731418	689.269685			6
Height Summation:			34447264				
Amount Avg CF:			627.73332	Linear:			
Aroclor-1248					6	46.39	
3.82	3.84	3.86	7395329	964.377857			1
3.88	3.91	3.92	6287886	981.145159			2
3.95	3.97	3.99	4264607	390.375875			3
4.08	4.10	4.12	4731418	387.024239			4
4.17	4.20	4.21	4800676	470.973397			5
4.36	4.36	4.40	4582635	467.947277			6
+ 4.36	4.38	4.40	1053542	107.580488			6
Height Summation:			32062551				
Amount Avg CF:			610.307301	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0095.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

%SSR(TCX) : 110% (61-152) Conc.: 33.63671
%SSR(DCB) : 111% (48-164) Conc.: 30.03893

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	5.60	
3.02	3.03	3.06	2537476	473.645317			1
3.35	3.37	3.39	3123740	481.067077			2
+ 3.54	3.55	3.58	43316.19	6.688621			3
3.54	3.56	3.58	3413470	527.087142			3
3.62	3.64	3.66	3652336	542.252914			4
3.68	3.69	3.72	2715377	534.233206			5
+ 3.68	3.71	3.72	684446.7	134.660548			5
3.79	3.80	3.83	2940800	520.637188			6
Height Summation:			18383199				
Amount Avg CF:			513.153807	Linear:			
Aroclor-1221					3	33.24	
2.90	2.92	2.94	553733.4	176.144406			1
+ 2.96	2.97	3.00	27979.33	15.39867			2
2.96	2.98	3.00	359282.9	197.734503			2
E 3.02	3.03	3.06	2537476	318.479467			3
Height Summation:			3450492.3				
Amount Avg CF:			230.786125	Linear:			
Aroclor-1232					6	33.53	
E 3.02	3.03	3.06	2537476	402.676149			1
E 3.35	3.37	3.39	3123740	1034.292946			2
+ 3.54	3.55	3.58	43316.19	14.033693			3
E 3.54	3.56	3.58	3413470	1105.904982			3
E 3.62	3.64	3.66	3652336	1243.182812			4
E 3.68	3.69	3.72	2715377	1445.944451			5
E+ 3.68	3.71	3.72	684446.7	364.46943			5
E 3.79	3.80	3.83	2940800	1281.132753			6
Height Summation:			18383199				
Amount Avg CF:			1085.522349	Linear:			
Aroclor-1242					6	8.90	
3.02	3.03	3.06	2537476	550.573482			1
3.35	3.37	3.39	3123740	568.967058			2
+ 3.54	3.55	3.58	43316.19	7.597871			3
3.54	3.56	3.58	3413470	598.739277			3
3.62	3.64	3.66	3652336	668.784064			4
3.68	3.69	3.72	2715377	688.521739			5
+ 3.68	3.71	3.72	684446.7	173.551014			5
3.79	3.80	3.83	2940800	634.064027			6
Height Summation:			18383199				
Amount Avg CF:			618.274941	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/17/17 ACF LCS27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0095.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	104.65	
+ 4.69	4.71	4.73	653657.6	54.665809			1
4.69	4.73	4.73	931960.5	77.940461			1
4.76	4.78	4.80	2906666	122.615809			2
E 4.88	4.90	4.92	9856511	1365.501324			3
4.97	4.99	5.01	1506075	97.38278			4
5.17	5.20	5.21	5697095	471.134952			5
5.29	5.31	5.33	13126500	850.477587			6
Height Summation:			**34024807.5**				
Amount Avg CF:			**497.508819**	Linear:			
Aroclor-1260					6	4.46	
4.88	4.90	4.92	9856511	554.841385			1
5.29	5.31	5.33	13126500	562.300438			2
5.36	5.38	5.40	6177352	522.828775			3
5.52	5.54	5.56	6419606	525.144377			4
5.76	5.78	5.80	16588140	570.40126			5
5.96	5.98	6.00	9158758	512.327718			6
Height Summation:			**61326867**				
Amount Avg CF:			**541.307326**	Linear:			
Aroclor-1262					6	27.19	
E 5.35	5.38	5.39	6177352	323.388602			1
E 5.52	5.54	5.56	6419606	390.64437			2
E 5.75	5.78	5.79	16588140	483.967069			3
E 5.96	5.98	6.00	9158758	411.824064			4
E 6.01	6.04	6.05	2334929	222.505368			5
E 6.38	6.41	6.42	3168307	277.051463			6
Height Summation:			**43847092**				
Amount Avg CF:			**351.563489**	Linear:			
Aroclor-1268					6	116.02	
E 5.96	5.98	5.99	9158758	221.125911			1
6.01	6.04	6.05	2334929	65.804224			2
6.15	6.17	6.19	277102.4	8.475606			3
6.21	6.23	6.25	166412.6	19.026978			4
E 6.38	6.41	6.42	3168307	245.603015			5
6.58	6.61	6.62	787007.3	7.869118			6
Height Summation:			**15892516.3**				
Amount Avg CF:			**94.650809**	Linear:			

Analysis Report (B)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0095.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	50.28	
+ 3.54	3.55	3.58	43316.19	13.659671			1
E 3.54	3.56	3.58	3413470	1076.430729			1
E 3.62	3.64	3.66	3652336	949.54642			2
3.68	3.69	3.72	2715377	479.98735			3
+ 3.68	3.71	3.72	684446.7	120.987162			3
3.79	3.80	3.83	2940800	374.792529			4
+ 3.88	3.88	3.92	667840.1	140.755103			5
3.88	3.90	3.92	2338524	492.871252			5
4.02	4.04	4.06	3446247	348.711487			6
Height Summation:			**18506754**				
Amount Avg CF:			**620.389961**	Linear:			
Aroclor-1254					6	96.56	
4.34	4.35	4.38	784408.1	94.293977			1
+ 4.40	4.40	4.44	585179.6	40.526033			2
+ 4.40	4.42	4.44	480261	33.26			2
4.40	4.43	4.44	1761726	122.006588			2
E 4.50	4.51	4.54	6458669	924.739214			3
4.57	4.59	4.61	618782	69.169498			4
E 4.64	4.65	4.68	7484308	1315.642572			5
4.88	4.90	4.92	7965892	747.552355			6
Height Summation:			**25073785.1**				
Amount Avg CF:			**545.567367**	Linear:			
Aroclor-1260					6	4.21	
4.64	4.65	4.68	7484308	555.213794			1
4.75	4.76	4.78	6584499	561.854548			2
4.88	4.90	4.92	7965892	596.365765			3
5.11	5.13	5.15	4592756	524.041816			4
5.30	5.32	5.34	11233060	549.78755			5
5.56	5.58	5.60	7774788	565.178076			6
Height Summation:			**45635303**				
Amount Avg CF:			**558.740258**	Linear:			
Aroclor-1262					6	29.41	
E 4.91	4.93	4.95	3382159	267.356243			1
E 5.11	5.13	5.15	4592756	345.855883			2
E 5.30	5.32	5.34	11233060	453.307533			3
E 5.52	5.53	5.56	2049172	215.233509			4
E 5.56	5.58	5.60	7774788	452.435988			5
E 5.94	5.96	5.98	2715502	287.257219			6
Height Summation:			**31747437**				
Amount Avg CF:			**336.907729**	Linear:			
Aroclor-1268					6	113.32	
5.52	5.53	5.56	2049172	69.036224			1
E 5.56	5.58	5.60	7774788	257.3061			2
5.72	5.74	5.76	228734	8.843997			3
5.79	5.80	5.82	225890.1	33.405959			4
E 5.94	5.96	5.98	2715502	262.556402			5
6.14	6.16	6.18	729075.2	8.520998			6
Height Summation:			**13723161.3**				
Amount Avg CF:			**106.611613**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA** 10/17/17 ACF LCS27289 ID: AB **Batchnumber: 172890027A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843A
Result file : 07PCBS17292003.0095.RAW
Calibration file : 07PCBS1729202.CAL
Method file : 07PCBS.MET

Analysis Report (B)

Injected on : Oct 24, 2017 13:25:37
Instrument : CP 7--19843B
Result file : 07PCBS17292003B.0095.RAW
Calibration file : 07PCBS1729202B.CAL
Method file : 07PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			51	9.9		0.54	4	40	
Aroclor-1221			51	15.3	E	3.06	3	40	
Aroclor-1232			51	12.3	E	5.68	4	40	
Aroclor-1242			51	12.3		1.52	4	40	
Aroclor-1248			51	9.9		1.64	4	40	
Aroclor-1254			51	13.2	E	9.21	4	40	
Aroclor-1260			51	11.7		3.17	4	40	
Aroclor-1262			51	9.9	E	4.26	4	40	
Aroclor-1268			51	9.9	E	11.89	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 1:25:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @20c/min, to 330c @ 30c/min for 2 min.
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003.0095.RAW
Method File: 07PCBS.MET
Calibration File: 07PCBS1729202.CAL

RT A	Compound A	Height A	Area A
1.502		57198	14173
1.512		330937	293089
1.556		186877	174541
1.61		150063	152405
1.657		198216	168868
1.678		443855	599269
1.72		207791	276126
1.76		83180	73437
1.788		101229	97433
1.818		285121	323574
1.842		202957	184940
1.876		145489	171517
1.892		85782	63010
1.927		86851	77623
1.964		115430	90030
1.997		18739	16025
2.019		40767	26716
2.049		78725	75725
2.067		51361	34346
2.083		65848	42392
2.098		56827	35164
2.129		53568	51239
2.163		20717	10627
2.178		96154	73839
2.198		80786	53395
2.224		1168193	768666
2.244		30548	15690
2.279		43860	56463
2.314		84983	77425
2.335		75991	83577
2.382		24601	25416
2.409		9273	4594
2.426		11106	7488
2.462		27734	33691
2.485		499353	337088
2.535		29228	21202
2.575		36368	35161
2.602		32791	33340
2.633		18992	10360
2.662		68303	45418
2.697		17284	18335
2.714		26928	21116
2.749		31070	19890
2.783		15005	7443
2.8		19731	11287
2.818		7751	2833
2.845		695732	507337
2.878		2985	1272
2.9		18712	14303
2.926		13289	9560
2.943		3404	1186
2.955		10139	5793
2.98		17890	14882

RT A	Compound A	Height A	Area A
3.029	TCX	20578580	13359670
3.095		6709	3037
3.114		5166	2704
3.181		920479	759561
3.213		4620	1682
3.238		1001416	778933
3.287		4903908	3247123
3.342		5381	2435
3.363		25331	12497
3.381		539646	351550
3.421		23143	29639
3.464		18367	32139
3.504		5212477	3094347
3.52		2449306	1277644
3.558		562322	311233
3.574		175749	74999
3.588		309401	153872
3.62		5916246	4279478
3.655		33042	17471
3.67		26823	13816
3.696		358399	269855
3.731		1320031	765764
3.747		666121	340136
3.769		26064	11957
3.793		3526000	1948189
3.805		6615815	3497251
3.844		7395329	5379461
3.905		6287886	4597260
3.947		419037	293499
3.974		4264607	3010904
4.002		3000259	2615844
4.024		773956	405328
4.077		2012	705
4.103		4731418	3290042
4.128		1617003	1060821
4.16		1749789	1245443
4.196		4800676	4684333
4.236		1349728	1069097
4.283		198775	159489
4.324		240250	175307
4.359		4582635	3391940
4.379		1053542	594428
4.404		1198179	894105
4.474		646285	536098
4.518		4607954	4281520
4.553		165621	118736
4.617		64684	52983
4.659		886366	851574
4.715		653658	426377
4.732		931961	620966
4.777		2906666	2471430
4.825		4172103	4492548
4.864		1060300	762120
4.903		9856511	8737550
4.947		121146	103559
4.994		1506075	1541271
5.028		167046	121932
5.054		1514573	1314336
5.106		10820830	13440620
5.157		2062016	1804136
5.198		5697095	5745396
5.24		110826	63293
5.277		1004141	1206705
5.312		13126500	11745520
5.335		602211	285938
5.353		240515	102605

RT A	Compound A	Height A	Area A
5.377		6177352	5441177
5.42		3994174	3659619
5.517		1057716	882327
5.539		6419607	5498807
5.597		3239451	2889191
5.637		1818178	1693938
5.678		409336	391814
5.719		2274455	2223871
5.776		16588140	17084320
5.925		6347	3418
5.982		9158758	8502000
6.036		2334929	4457999
6.169		277102	256520
6.23		166413	139596
6.252		1301987	1107835
6.408		3168307	3058635
6.451		170123	147548
6.607		787007	786391
6.753	DCB	7544669	7686995
7.146		1667	643
7.189		1616	595
7.363		1346	357
7.453		1391	1220
7.806		1188	285
8.007		1565	669
8.043		1246	467
8.066		1240	712
8.252		1496	1120
8.32		1464	820
8.408		1200	905
8.636		1154	594

LANCASTER LABORATORIES

Sample Number: LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 1:25:37 PM Injection Volume: 1 ul
Instrument ID: CP7-19843A Analyst: 9065
Oven Parameters: 110c to 250c @ 40c/min, to 280c @ 20c/min, to 330c @ 30c/min, hold 2 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 07PCBS17292003B.0095.RAW
Method File: 07PCBSB.MET
Calibration File: 07PCBS1729202B.CAL

RT B	Compound B	Height B	Area A
1.532		88793	87839
1.58		55695	61257
1.6		33272	24075
1.635		82091	150285
1.664		73160	120869
1.696		81497	76225
1.719		21749	15662
1.736		22002	18338
1.773		47868	58443
1.798		17922	14011
1.821		10122	6819
1.874		73035	127616
1.921		38396	46497
1.965		27070	23180
1.991		548903	486660
2.028		46388	45663
2.048		32495	40985
2.094		16169	15632
2.125		22107	20079
2.154		24349	20183
2.204		8588	4540
2.236		216695	156712
2.263		10243	6185
2.283		6333	3469
2.308		22601	15221
2.325		16856	11690
2.359		9846	7100
2.395		3133	2011
2.426		32439	37976
2.464		5520	3886
2.495		4436	2669
2.525		16609	11027
2.561		287067	189050
2.587		73106	46230
2.664		5471	2846
2.681		8603	5097
2.699		10974	6802
2.722		8052	4127
2.747	TCX	10210370	7051399
2.79		200226	159678
2.841		7837	5662
2.869		9182	7108
2.92		553733	438487
2.968		27979	14735
2.981		359283	231194
3.034		2537476	1852277
3.086		34387	31221
3.147		320023	249253
3.243		3161483	3551087
3.295		357478	234842
3.317		187575	114333
3.344		192464	110804
3.367		3123740	2411424
3.404		141299	86487

3.45		737983	418633
3.466		389360	201540
3.517		1438059	751824
3.527		3550210	1757089
3.547		43316	11852
3.561		3413471	2594407
3.636		3652336	2547355
3.67		2363645	1590295
3.694		2715377	1609832
3.713		684447	354947
3.804		2940800	2215917
3.828		1020176	592206
3.85		986806	646619
3.882		667840	367056
3.9		2338525	1584364
3.943		848731	702987
3.992		178797	165113
4.015		546930	351005
4.038		3446247	2499902
4.065		597616	380317
4.085		81892	37699
4.104		371660	252791
4.141		2881337	2249319
4.178		127501	89881
4.195		235680	163136
4.241		6234	2950
4.259		27557	18446
4.285		403534	508635
4.33		22890	12158
4.354		784408	636693
4.4		585180	352682
4.418		480261	253219
4.431		1761726	1097866
4.459		1100932	1141268
4.513		6458669	5561034
4.558		108726	99743
4.586		618782	436100
4.61		1384493	1059855
4.655		7484308	6633791
4.763		6584499	6501005
4.819		759445	717919
4.858		1570139	1493324
4.896		7965893	7146110
4.929		3382159	2617235
4.97		2478933	2085508
5.035		17223	18071
5.073		825858	936426
5.126		4592756	3791479
5.15		504429	333586
5.201		2319255	2241689
5.236		1182790	932922
5.264		756841	674927
5.298		199981	126099
5.318		11233070	9715647
5.36		183191	143725
5.394		449273	395253
5.511		82905	52748
5.535		2049172	1780002
5.579		7774788	8507592
5.736		228734	213102
5.778		170647	137670
5.803		225890	184895
5.853		1209776	1154774
5.957		2715502	2403083
5.989		123648	93483
6.157		729075	708309
6.318	DCB	6931115	6657726

6.799	3353	3913
7.941	783	2746
8.631	3032	4908

LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 808

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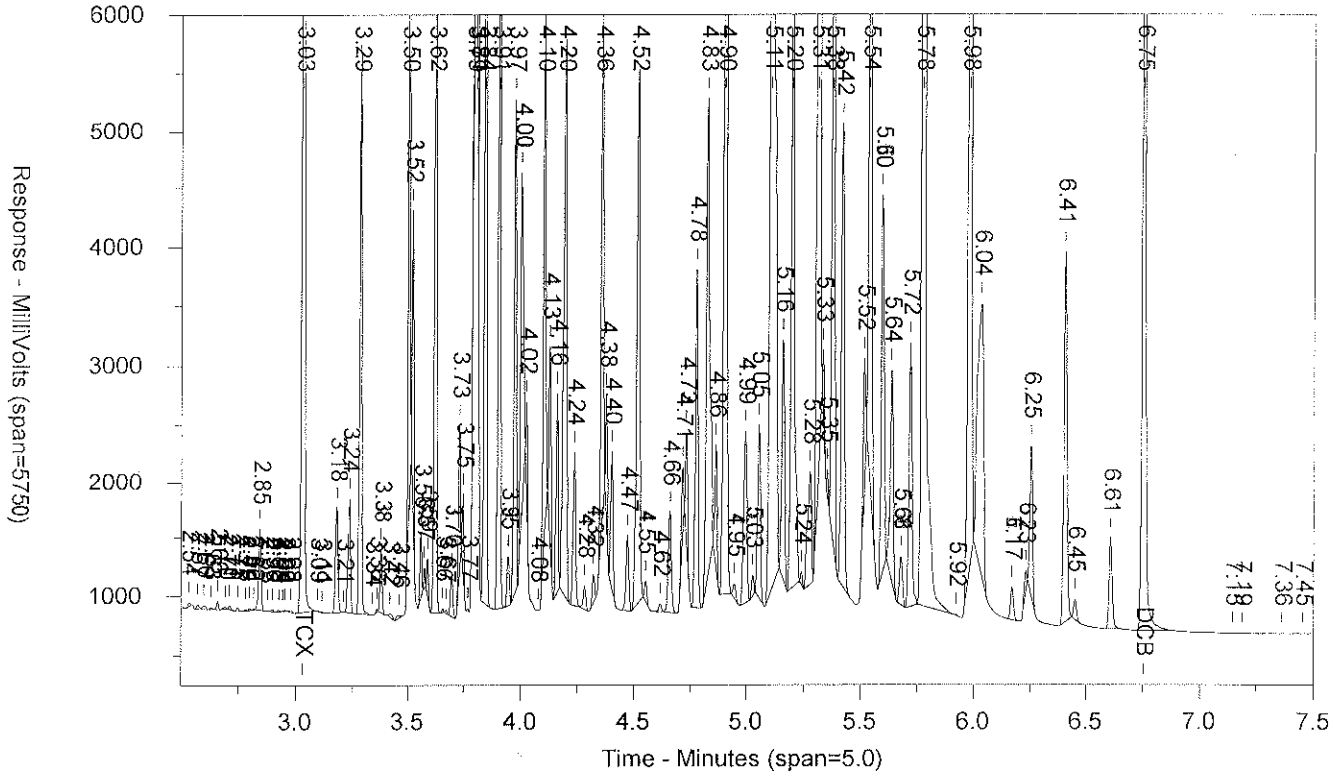

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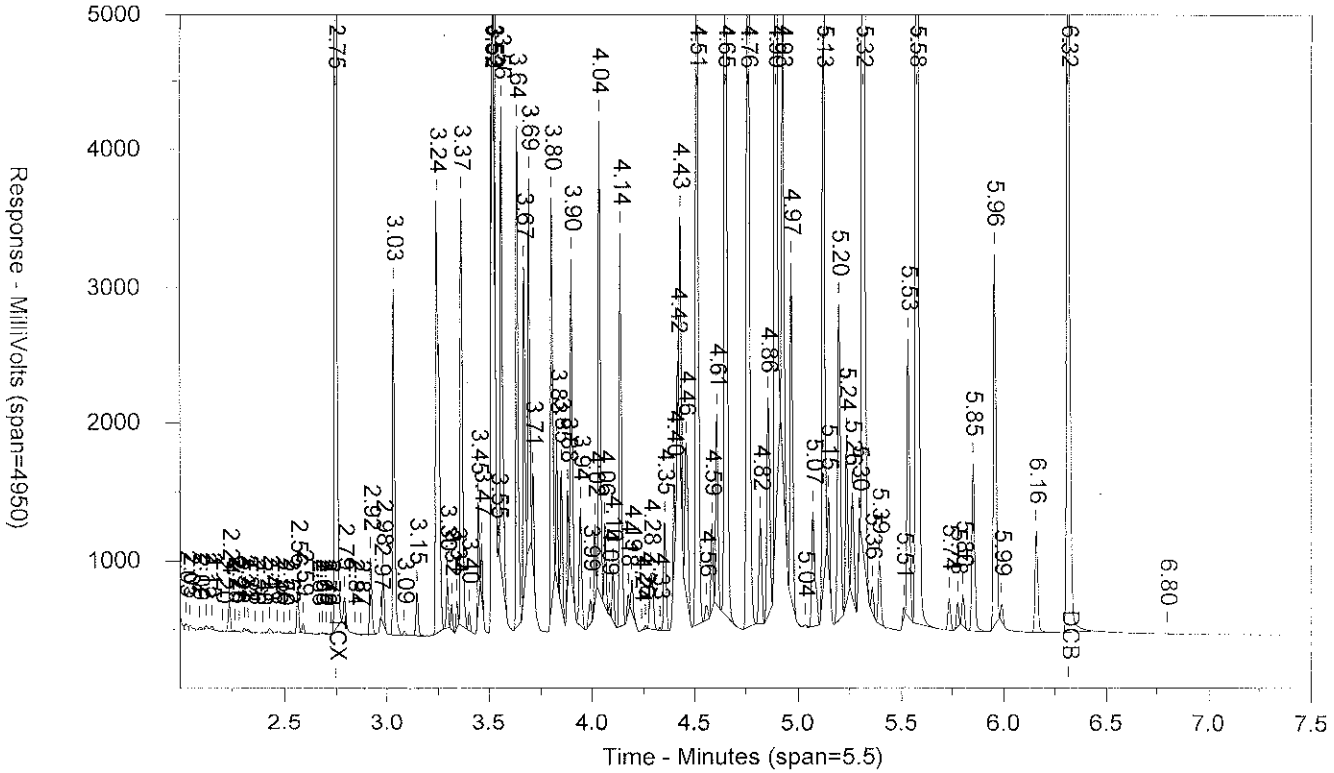

LANCASTER LABORATORIES

Sample Number: LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 8082
Injected On: 10/24/2017 1:25:37 PM
Sample Weight: 10
Instrument ID: CP7-19843A
Dilution Factor: 10
Oven Parameters: 140c to 300 @ 10c/min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 8
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
3.029	20578580	32.409	TCX	2.747	10210370	33.637	TCX
6.753	7544669	29.561	DCB	6.318	6931115	30.039	DCB

Files:
Area File: 07PCBS17292003.0095.RAW
Area File: 07PCBS17292003B.0095.RAW
Method A: 07PCBS.MET
Method B: 07PCBSB.MET
Calibration File A: 07PCBS1729202.CAL
Calibration File B: 07PCBS1729202B.CAL
Format A: pestD7.FMTA
Format B: pestD7.FMTB
Area File Created On: 10/24/2017 1:34:19 PM
File Reported On: 10/24/2017 at 1:34:32 PM

LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 808

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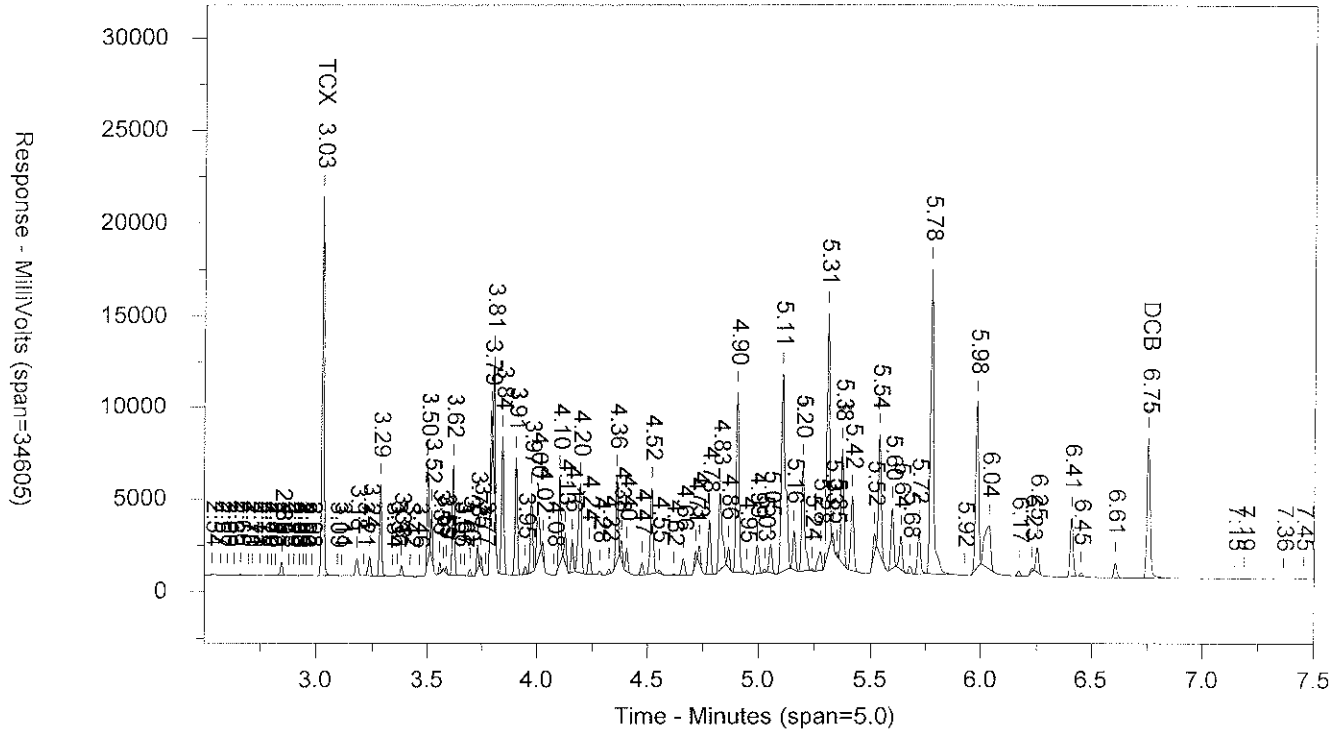

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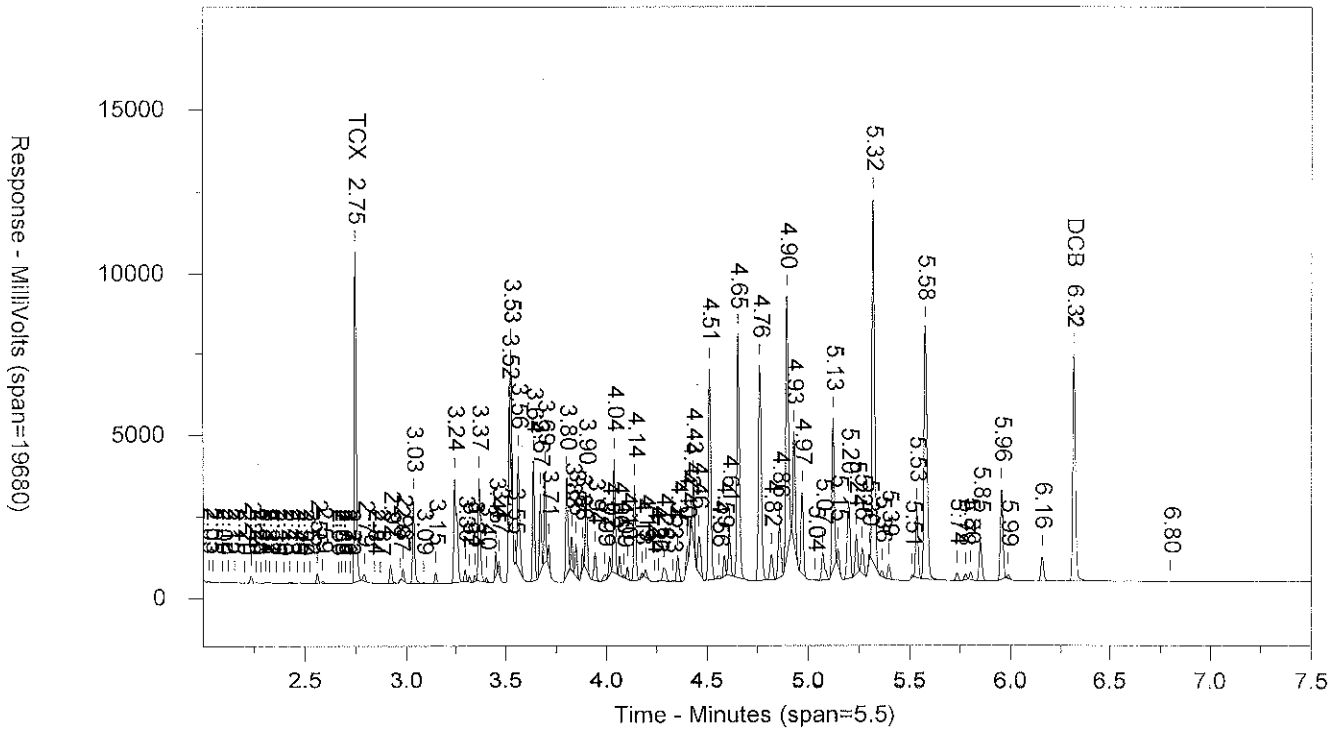

LCSA 10/17/17 ACF ABLCS27289 LCS 172890027A 10225 SW-846 8082

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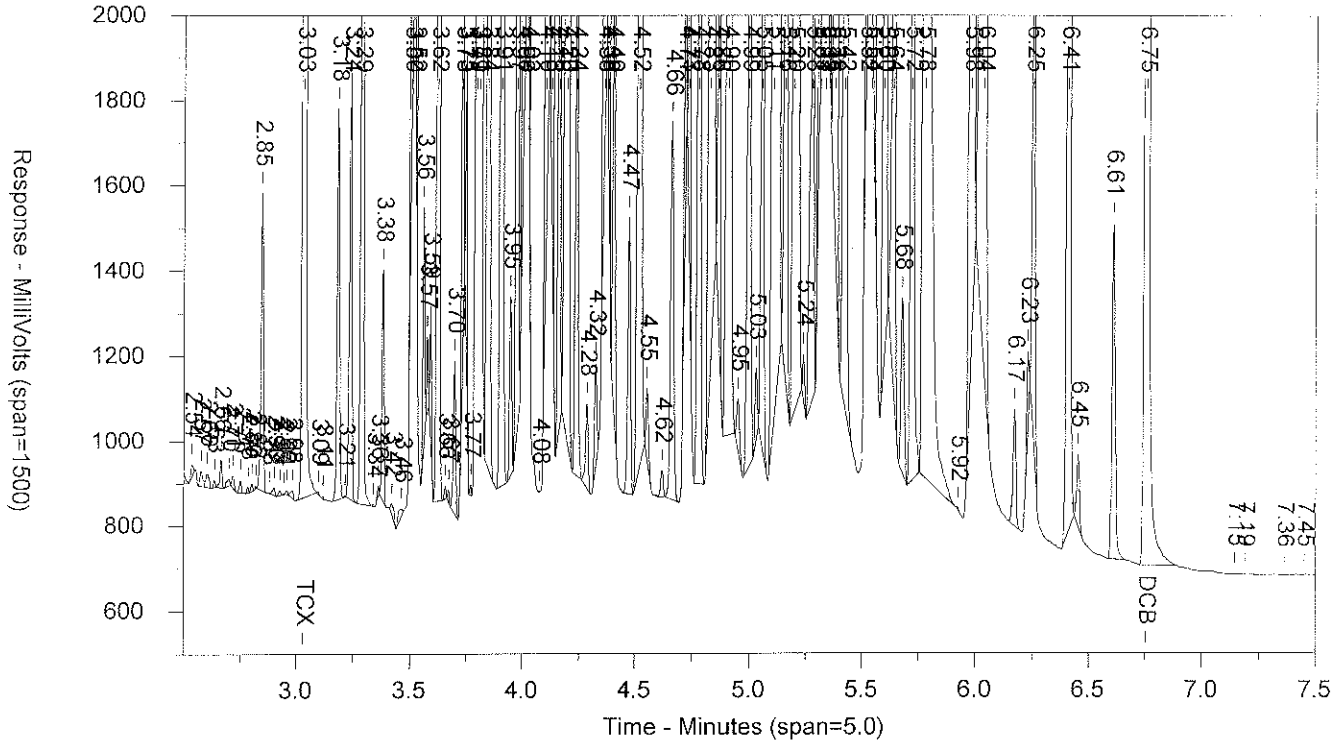

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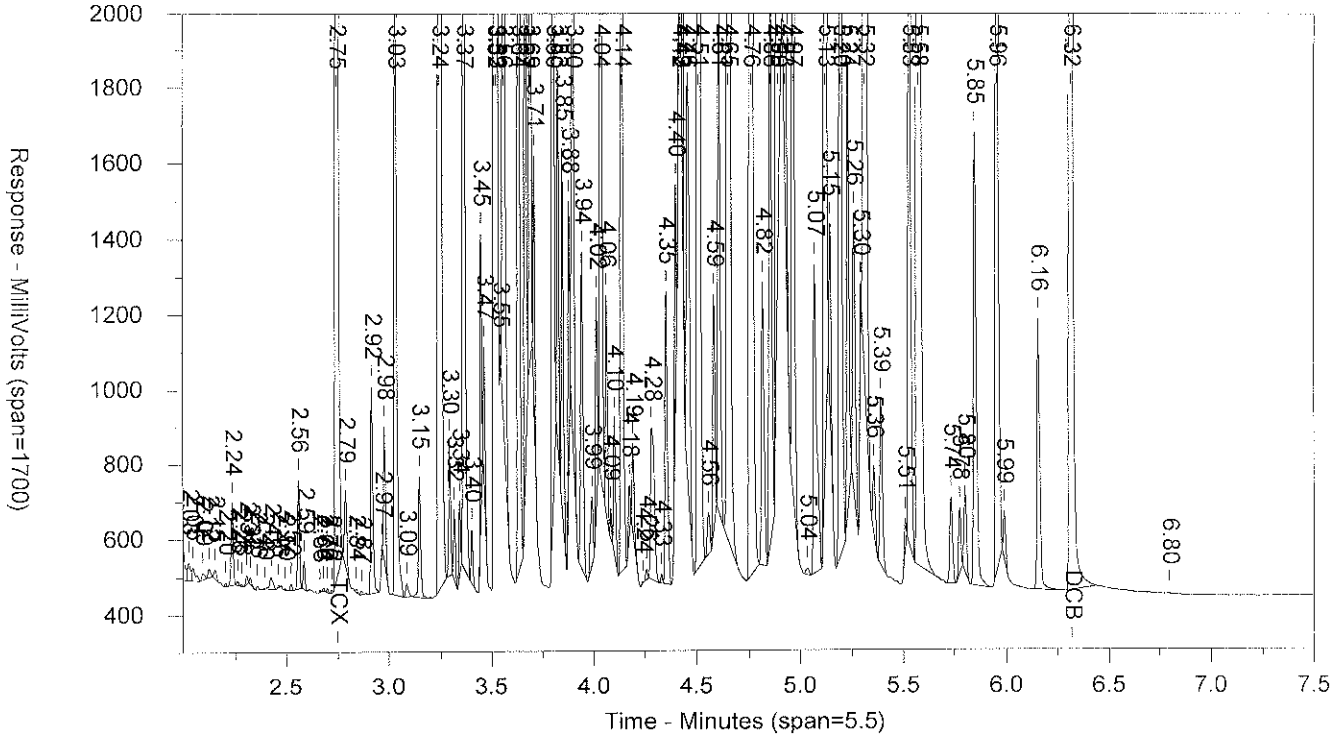

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 898 Olivia Arosemena Reviewed by: JLM 2895 Start Date: 10-14-17 Start time: 9:00

172860014A Tech 1: OA898 Tech 2:

Dept: 24 Prep Analysis: 14248 PCB 10g Sonication Ext PCBs in Solids by 8082/3550

QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9229551MS	04A03	10.26	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	314A	Brownsil
9229552MSD	04A03	10.34	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	314A	↓
BLANKA	PBLK14286	10.0	SS~~1726124A~~ 8	1			10	Z	Z	NA	Na_2SO_4
LCSA	LCS14286	10.0	SS~~1726124A~~ 8	1	MS1726824A	1	10	Z	Z	✓	↓

Solvent Used	Lot No.
1:1 MeCl2/Acetone	898101417A
Filter Paper	9804332
Hexane	174854
Sodium Sulfate	172834

Spike Solutions: Witness: NA

MS1726824A PCB SPIKE

~~SS1726124A~~ SW846 SURROGATE STANDARI

8 changed lot # of SS 1728524 A

Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1 9229546	03A17	10.40	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Black	10225	1869	10/18/2017	N
2 9229547	03A18	10.26	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Brown	10225	1869	10/18/2017	N
3 9229548	04A01	10.21	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
4 9229550BKG	04A03	10.14	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
5 9229553	04A04	10.30	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
6 9229554	04A05	10.09	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Orange	10225	1869	10/19/2017	N
7 9229555	04A06	10.19	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Black;Fuel Odor	10225	1869	10/19/2017	N
8 9229556	04A07	10.05	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
9 9229557	04A08	10.35	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	10/19/2017	N
10 9229558	04A09	10.38	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
11 9229559	04A10	10.19	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
12 9229560	04A11	10.02	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Brown	10225	1869	10/19/2017	N
13 9229561	04A12	10.26	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Brown	10225	1869	10/19/2017	N
14 9239049	A0901	10.05	SS~~1726124A~~ 8	1	10	Z	Z	314a	Soil;Gritty;Rocks;Grey	10225	1869	10/10/2017	N
15 9239052	A0904	10.04	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Black	10225	1869	10/10/2017	N
16 9239055	A0907	10.28	SS~~1726124A~~ 8	1	10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/10/2017	N

AT H04 Page 11 29 of 11 37

OA898 NA 10-14-17

Bench# 4	Bench#	Bench#		
Rack ID:		Work Station	Sm. 4	Micro Temp 100?
Internal Standard		Balance #	17609	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID 5	97 C	S-bath ID	C	N-Evap	C	M-vap	C

172860014A

OA898 10/14/17

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172860014A

Verified: JWM 7849
Start Date: 10-14-17
Start Time: 15:00
Tech 1: 02898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229551MS		10	10			
9229552MSD		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229546		10	10				10225
2	9229547		↓	↓				10225
3	9229548		↓	↓				10225
4	9229550		↓	↓				10225
5	9229553		↓	↓				10225
6	9229554		↓	↓				10225
7	9229555		↓	↓				10225
8	9229556		↓	↓				10225
9	9229557		↓	↓				10225
10	9229558		↓	↓				10225
11	9229559		↓	↓				10225
12	9229560		↓	↓				10225
13	9229561		↓	↓				10225
14	9239049		↓	↓				10225
15	9239052		↓	↓				10225
16	9239055		↓	↓				10225

02898
NW
10-14-17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	174051

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172860014A

Verified: [illegible]
Start Date: 10-14-17
Start Time: 1500
Tech 1: [illegible] 898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229551MS		2	2			
9229552MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229546		2	2				10225
2	9229547							10225
3	9229548							10225
4	9229550							10225
5	9229553							10225
6	9229554							10225
7	9229555							10225
8	9229556							10225
9	9229557							10225
10	9229558							10225
11	9229559							10225
12	9229560							10225
13	9229561							10225
14	9239049							10225
15	9239052							10225
16	9239055							10225

[illegible] 898
NW
10-14-17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		FLORISIL	41 40 11-CE
		COPPER	17 H 80 BD

Organic Extraction Batchlog Assigned to: 898 Olivia Arosemena Reviewed by: JV7285S Start Date: 10-17-17 Start time: 9:00

172890027A Tech 1: 0a898 Tech 2:

Dept: 24	Prep Analysis: 14248 PCB 10g Sonication Ext								PCBs in Solids by 8082/3550		
QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9229238DUP	92A14DUP	10.08	SS~~1726124A~~ 8	1			10	Z	Z	34A	Stones, Black Soil
9229258DUP	93A14DUP	10.38	SS~~1726124A~~ 8				10	Z	Z		Brown Soil
9229259DUP	93A15DUP	10.41	SS~~1726124A~~ 8				10	Z	Z		Soil
9233685MSD	T251-MSD	10.32	SS~~1726124A~~ 8		MS1726824A	1	10	Z	Z	314c	Grey Soil ③ ~~Na2SO4~~
9233685MS	T251-MS	10.01	SS~~1726124A~~ 8		MS1726824A	1	10	Z	Z	314b	grey, Soil
BLANKA	PBLK27289	10	SS~~1726124A~~ 8				10	Z	Z	Na	Na2SO4
LCSA	LCS27289	10	SS~~1726124A~~ 8		MS1726824A	1	10	Z	Z		

Solvent Used	Lot No.
1:1 MeCl2/Acetone	185092417A
Filter Paper	9804332
Hexane	174854
Sodium Sulfate	172864

③ 898 10-17-17

Spike Solutions: Witness: Na

MS1726824A PCB SPIKE

SS1726124A SW846 SURROGATE STANDARI

(8) Changed Lot # of SS1728524A

ATH04 Page 1132 of 1137

	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9229238	92A14	10.30	SS~~1726124A~~ 8	1.0	10	Z	Z	34A	Stones; Black Soil.	10225	1869	10/06/2017	N
2	9229258	93A14	10.09	SS~~1726124A~~ 8		10	Z	Z		Brown Soil	10225	1869	10/06/2017	N
3	9229259	93A15	10.32	SS~~1726124A~~ 8		10	Z	Z			10225	1869	10/06/2017	N
4	9229549	04A02	10.03	SS~~1726124A~~ 8		10	Z	Z	034a		10225	1869	10/19/2017	N
5	9233682	T250-	10.35	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Gritty;Rocks;Black	10225	1869	10/23/2017	N
6	9233683	T250W	10.25	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Brown	10225	1869	10/23/2017	N
7	9233684	T250E	10.03	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Rocks;Grey	10225	1869	10/23/2017	N
8	9233685	T251-	10.08	SS~~1726124A~~ 8		10	Z	Z	314a	Wood;Rocks;Grey;Brown	10225	1869	10/23/2017	N
9	9233686	T251W	10.06	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Gritty;Rocks;Grey;Brown	10225	1869	10/23/2017	N
10	9233687	T251E	10.43	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Gritty;Sandy;Grey	10225	1869	10/23/2017	N
11	9233688	T251N	10.01	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Black;Brown	10225	1869	10/23/2017	N
12	9233689	T331-	10.15	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Black;Brown	10225	1869	10/23/2017	N
13	9233690	T331W	10.28	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Sandy;Grey	10225	1869	10/23/2017	N
14	9233691	T331E	10.22	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Black;Brown	10225	1869	10/23/2017	N
15	9233692	T332-	10.17	SS~~1726124A~~ 8		10	Z	Z	314A	Soil;Rocks;Black;Brown	10225	1869	10/23/2017	N
16	9233693	T332W	10.39	SS~~1726124A~~ 8		10	Z	Z	314a	Soil;Gritty;Rocks;Grey;Brown	10225	1869	10/23/2017	N

0a898

Bench#	Bench# 4	Bench#	
Rack ID:		~~Work Station~~	
Internal Standard		Balance #	17609

Micro Temp 100? ☐

R-VAP ID	C	~~R-VAP ID~~	~~C~~	R-VAP ID	C
S-bath ID 5	98 C	S-bath ID	~~C~~	~~N-Evap~~	~~C~~

M-vap C

172890027A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172890027A

Verified: [illegible]
Start Date: 10-17-17
Start Time: 15:30
Tech 1: OA898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229238DUP		10	10			
9229258DUP		↓	↓			
9229259DUP		↓	↓			
9233685MSD		↓	↓			
9233685MS		↓	↓			
BLANKA		↓	↓			
LCSA		↓	↓			

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229238		10	10				10225
2	9229258		↓	↓				10225
3	9229259		↓	↓				10225
4	9229549		↓	↓				10225
5	9233682		↓	↓				10225
6	9233683		↓	↓				10225
7	9233684		↓	↓				10225
8	9233685		↓	↓				10225
9	9233686		↓	↓				10225
10	9233687		↓	↓				10225
11	9233688		↓	↓				10225
12	9233689		↓	↓				10225
13	9233690		↓	↓				10225
14	9233691		↓	↓				10225
15	9233692		↓	↓				10225
16	9233693		↓	↓				10225

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

OA898
NR
10-17-17

Solvent Used	Lot No.	Solvent Used	Lot No.
		H_2SO_4	

Prep-Process Worksheet

Copper/Florisil

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172890027A

Verified: [illegible]
Start Date: 10-17-17
Start Time: 15:30
Tech 1: OL 898
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9229238DUP		2	2			
9229258DUP						
9229259DUP						
9233685MSD						
9233685MS						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9229238		2	2				10225
2	9229258							10225
3	9229259							10225
4	9229549							10225
5	9233682							10225
6	9233683							10225
7	9233684							10225
8	9233685							10225
9	9233686							10225
10	9233687							10225
11	9233688							10225
12	9233689							10225
13	9233690							10225
14	9233691							10225
15	9233692							10225
16	9233693							10225

OL 898
N2
10-17-17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		COPPER	711080 - BD
		FLORISIL	611060 - CG

Moisture Data

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CLIENT: Stantec
SDG: ATH04

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9229548	04A01
9229549	04A02
9229550	04A03BKG
9229551	04A03MS
9229552	04A03MSD
9229553	04A04FD
9229554	04A05
9229555	04A06
9229556	04A07
9229557	04A08
9229558	04A09
9229559	04A10
9229560	04A11
9229561	04A12

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: 17276820009B	Sample number(s): 9229548-9229561				
Moisture	100		99-101		
Moisture	100		99-101		
Moisture Duplicate	100		99-101		

Sample Matrix Quality Control

Analysis Name	BKG Conc	DUP Conc	RPD	RPD Max
Batch number: 17276820009B	Sample number(s): 9229548-9229561			
Moisture	14.6	14.7	1	5
Moisture	14.6	14.7	1	5
Moisture Duplicate	14.6	14.7	1	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

eurofins | Lancaster Laboratories Environmental

CLIENT: Stantec
SDG: ATH04

MOISTURE

Moisture Data Report

Batch #: 09302820006

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
LCS 89.5% Std.		00111	1.1176	5.0275	1.6517	89.38	10/29/09 (1201/SWF)	10/30/09 (236/CW)

Batch #: 17276820009

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9229548	B	00111	1.0946	8.9488	8.3587	18.83	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229549	B	00111	1.0926	7.8878	8.2794	8.89	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229550BKG	B	00111	1.0982	7.7769	7.7415	14.58	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229551MS	B	00118				14.58	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229552MSD	B	00118				14.58	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229552MSD	B	00121	1.1110	7.8448	7.8016	14.71	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229553FD	B	00111	1.1112	8.6998	8.7155	12.59	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229554	B	00111	1.1160	7.2071	7.4960	11.48	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229555	B	00111	1.1007	8.5229	8.9264	8.18	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229556	B	00111	1.1026	7.3368	7.0256	19.27	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229557	B	00111	1.1148	8.4362	7.8321	20.38	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229558	B	00111	1.0980	7.7057	8.2520	7.16	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229559	B	00111	1.1265	7.2969	7.8558	7.78	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229560	B	00111	1.1212	7.6302	7.6108	14.95	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
9229561	B	00111	1.1131	8.5876	8.9536	8.70	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)
LCS 89.5% Std.		00111	1.0974	5.0320	1.6344	89.33	10/ 3/17 (1201/SWF)	10/ 4/17 (236/CW)