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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 09/11/17

SDG# ATG65

GROUP	SAMPLE NUMBERS
1848862	9202620-9202622, 9202625-9202637

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-13-10
AZ Cert. # AZ0780

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by: Dana M Kauffman **Date: 11/06/2017**

Dana M. Kauffman
Manager

Any questions or concerns you might have regarding this data package should be directed to your client representative, Loran Carter at (717) 556-7252.

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Sample Reference List for SDG Number ATG65 with a Data Package Type of I

11289 - Stantec

Project: Amtrak Wilmington

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9202620	T1-99E	09/11/2017 10:10	09/11/2017 16:55
9202621	T1-100W	09/11/2017 10:11	09/11/2017 16:55
9202622	T1-100E	09/11/2017 10:12	09/11/2017 16:55
9202625	T1-102W	09/11/2017 10:15	09/11/2017 16:55
9202626	T1-102E	09/11/2017 10:16	09/11/2017 16:55
9202627	T1-103W	09/11/2017 10:17	09/11/2017 16:55
9202628	T1-103E	09/11/2017 10:18	09/11/2017 16:55
9202629	T1-104W	09/11/2017 10:19	09/11/2017 16:55
9202630	T1-104E	09/11/2017 10:20	09/11/2017 16:55
9202631	T1-113E	09/11/2017 10:38	09/11/2017 16:55
9202632	DUP-12	09/11/2017 10:39	09/11/2017 16:55
9202633	T1-114E	09/11/2017 10:40	09/11/2017 16:55
9202634	T1-115W	09/11/2017 10:41	09/11/2017 16:55
9202635	T1-115WMS	09/11/2017 10:41	09/11/2017 16:55
9202636	T1-115WMSD	09/11/2017 10:41	09/11/2017 16:55
9202637	DUP-13	09/11/2017 10:41	09/11/2017 16:55

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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: %Moisture- for use as Dry Wt Calculation

Analysis Reports / Field Chain of Custody

ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Stantec
1060 Andrew Drive
Suite 140
West Chester PA 19380

Report Date: November 03, 2017 15:56

Project: Amtrak Wilmington

Account #: 11289
Group Number: 1848862
SDG: ATG65
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#
T1-99E Grab Soil	09/11/2017 10:10	9202620
T1-100W Grab Soil	09/11/2017 10:11	9202621
T1-100E Grab Soil	09/11/2017 10:12	9202622
T1-101W Grab Soil	09/11/2017 10:13	9202623
T1-101E Grab Soil	09/11/2017 10:14	9202624
T1-102W Grab Soil	09/11/2017 10:15	9202625
T1-102E Grab Soil	09/11/2017 10:16	9202626
T1-103W Grab Soil	09/11/2017 10:17	9202627
T1-103E Grab Soil	09/11/2017 10:18	9202628
T1-104W Grab Soil	09/11/2017 10:19	9202629
T1-104E Grab Soil	09/11/2017 10:20	9202630
T1-113E Grab Soil	09/11/2017 10:38	9202631
DUP-12 Grab Soil	09/11/2017 10:39	9202632
T1-114E Grab Soil	09/11/2017 10:40	9202633
T1-115W Grab Soil	09/11/2017 10:41	9202634
T1-115WMS Grab Soil	09/11/2017 10:41	9202635
T1-115WMSD Grab Soil	09/11/2017 10:41	9202636
DUP-13 Grab Soil	09/11/2017 10:41	9202637

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: **T1-99E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:10
SDG#: ATG65-01

Stantec
ELLE Sample #: **SW 9202620**
ELLE Group #: **1848862**
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	< 53	D1	53	1000
10225	PCB-1221	11104-28-2	< 53	D1	53	1000
10225	PCB-1232	11141-16-5	< 53	D1	53	1000
10225	PCB-1242	53469-21-9	< 53	D1	53	1000
10225	PCB-1248	12672-29-6	< 53	D1	53	1000
10225	PCB-1254	11097-69-1	480	D2	53	1000
10225	PCB-1260	11096-82-5	< 53	D1	53	1000
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	7.5		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	172560011A	09/18/2017 10:07	Kirby B Turner	1000
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-100W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:11
SDG#: ATG65-02

Stantec
ELLE Sample #: **SW 9202621**
ELLE Group #: **1848862**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.52 D1	0.52	10
10225	PCB-1221	11104-28-2	< 0.52 D1	0.52	10
10225	PCB-1232	11141-16-5	< 0.52 D1	0.52	10
10225	PCB-1242	53469-21-9	< 0.52 D1	0.52	10
10225	PCB-1248	12672-29-6	< 0.52 D1	0.52	10
10225	PCB-1254	11097-69-1	< 0.52 D1	0.52	10
10225	PCB-1260	11096-82-5	2.1 D2	0.52	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**	**%**	
00111	Moisture	n.a.	4.0	0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172560011A	09/20/2017 01:36	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-100E Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:12
SDG#: ATG65-03

Stantec
ELLE Sample #: SW 9202622
ELLE Group #: 1848862
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.5	D1	5.5	100
10225	PCB-1221	11104-28-2	< 5.5	D1	5.5	100
10225	PCB-1232	11141-16-5	< 5.5	D1	5.5	100
10225	PCB-1242	53469-21-9	< 5.5	D1	5.5	100
10225	PCB-1248	12672-29-6	< 5.5	D1	5.5	100
10225	PCB-1254	11097-69-1	21	D2	5.5	100
10225	PCB-1260	11096-82-5	7.8	D1	5.5	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	9.3		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172560011A	09/18/2017 10:29	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

Sample Description:	**T1-101W Grab Soil** **Amtrak Wilmington**	**Stantec** **ELLE Sample #:** **ELLE Group #:**	 **SW 9202623** **1848862**
Project Name:	**Amtrak Wilmington**		
Submittal Date/Time:	09/11/2017 16:55		
Collection Date/Time:	09/11/2017 10:13		
SDG#:	ATG65-04		

Sample Description:	**T1-101E Grab Soil** **Amtrak Wilmington**	**Stantec** **ELLE Sample #:** **ELLE Group #:**	 **SW 9202624** **1848862**
Project Name:	**Amtrak Wilmington**		
Submittal Date/Time:	09/11/2017 16:55		
Collection Date/Time:	09/11/2017 10:14		
SDG#:	ATG65-05		

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Analysis Report

Sample Description: **T1-102W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:15
SDG#: ATG65-06

Stantec
ELLE Sample #: **SW 9202625**
ELLE Group #: **1848862**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 0.53 D1	0.53	10
10225	PCB-1221	11104-28-2	< 0.53 D1	0.53	10
10225	PCB-1232	11141-16-5	< 0.53 D1	0.53	10
10225	PCB-1242	53469-21-9	< 0.53 D1	0.53	10
10225	PCB-1248	12672-29-6	< 0.53 D1	0.53	10
10225	PCB-1254	11097-69-1	2.5 PD1	0.53	10
10225	PCB-1260	11096-82-5	3.3 D1	0.53	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**	**%**	
00111	Moisture	n.a.	6.4	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	172560011A	09/21/2017 21:52	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-102E Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:16
SDG#: ATG65-07

Stantec
ELLE Sample #: SW 9202626
ELLE Group #: 1848862
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.5	D1	5.5	100
10225	PCB-1221	11104-28-2	< 5.5	D1	5.5	100
10225	PCB-1232	11141-16-5	< 5.5	D1	5.5	100
10225	PCB-1242	53469-21-9	< 5.5	D1	5.5	100
10225	PCB-1248	12672-29-6	< 5.5	D1	5.5	100
10225	PCB-1254	11097-69-1	13	D2	5.5	100
10225	PCB-1260	11096-82-5	6.3	D1	5.5	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
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	172560011A	09/18/2017 10:52	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-103W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:17
SDG#: ATG65-08

Stantec
ELLE Sample #: **SW 9202627**
ELLE Group #: **1848862**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**	**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.7 D1	2.7	50
10225	PCB-1221	11104-28-2	< 2.7 D1	2.7	50
10225	PCB-1232	11141-16-5	< 2.7 D1	2.7	50
10225	PCB-1242	53469-21-9	< 2.7 D1	2.7	50
10225	PCB-1248	12672-29-6	< 2.7 D1	2.7	50
10225	PCB-1254	11097-69-1	< 2.7 D1	2.7	50
10225	PCB-1260	11096-82-5	10 D2	2.7	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**	**%**	
00111	Moisture	n.a.	6.5	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	172560011A	09/18/2017 11:04	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-103E Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:18
SDG#: ATG65-09

Stantec
ELLE Sample #: SW 9202628
ELLE Group #: 1848862
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.1	D1	5.1	100
10225	PCB-1221	11104-28-2	< 5.1	D1	5.1	100
10225	PCB-1232	11141-16-5	< 5.1	D1	5.1	100
10225	PCB-1242	53469-21-9	< 5.1	D1	5.1	100
10225	PCB-1248	12672-29-6	< 5.1	D1	5.1	100
10225	PCB-1254	11097-69-1	< 5.1	D1	5.1	100
10225	PCB-1260	11096-82-5	17	D2	5.1	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	3.6		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172560011A	09/18/2017 11:15	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-104W Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:19
SDG#: ATG65-10

Stantec
ELLE Sample #: SW 9202629
ELLE Group #: 1848862
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	2.1	D2	0.54	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture 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.	n.a.	8.2		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	172560011A	09/18/2017 11:26	Kirby B Turner	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-104E Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Stantec
ELLE Sample #: **SW 9202630**
ELLE Group #: **1848862**
Matrix: Soil

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:20
SDG#: ATG65-11

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.8	D1	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	D1	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	D1	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	D1	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	D1	2.8	50
10225	PCB-1254	11097-69-1	10	D1	2.8	50
10225	PCB-1260	11096-82-5	9.9	D1	2.8	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	11.1		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172560011A	09/18/2017 11:37	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-113E Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:38
SDG#: ATG65-12

Stantec
ELLE Sample #: SW 9202631
ELLE Group #: 1848862
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.2	D1	5.2	100
10225	PCB-1221	11104-28-2	< 5.2	D1	5.2	100
10225	PCB-1232	11141-16-5	< 5.2	D1	5.2	100
10225	PCB-1242	53469-21-9	< 5.2	D1	5.2	100
10225	PCB-1248	12672-29-6	< 5.2	D1	5.2	100
10225	PCB-1254	11097-69-1	< 5.2	D1	5.2	100
10225	PCB-1260	11096-82-5	19	D2	5.2	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	5.5		0.50	1

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

Sample Comments

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10225	PCBs in Solids by 8082/3550	SW-846 8082	1	172560011A	09/18/2017 12:12	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **DUP-12 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:39
SDG#: ATG65-13FD

Stantec
ELLE Sample #: **SW 9202632**
ELLE Group #: **1848862**
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	< 0.58 D1	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	2.6 D1	0.58	10
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**	**%**	
00111	Moisture	n.a.	14.4	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	172560011A	09/20/2017 02:10	Jessica L Miller	10
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-114E Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:40
SDG#: ATG65-14

Stantec
ELLE Sample #: **SW 9202633**
ELLE Group #: **1848862**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 5.9	D1	5.9	100
10225	PCB-1221	11104-28-2	< 5.9	D1	5.9	100
10225	PCB-1232	11141-16-5	< 5.9	D1	5.9	100
10225	PCB-1242	53469-21-9	< 5.9	D1	5.9	100
10225	PCB-1248	12672-29-6	< 5.9	D1	5.9	100
10225	PCB-1254	11097-69-1	< 5.9	D1	5.9	100
10225	PCB-1260	11096-82-5	39	D2	5.9	100
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	14.4		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	172560011A	09/18/2017 12:34	Kirby B Turner	100
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-115W Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:41
SDG#: ATG65-15BKG

Stantec
ELLE Sample #: **SW 9202634**
ELLE Group #: **1848862**
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	4.7	D2	1.1	20
10225	PCB-1260	11096-82-5	4.0	D2	1.1	20
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture 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.	n.a.	11.3		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	172560011A	09/18/2017 12:45	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-115WMS Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:41
SDG#: ATG65-15MS

Stantec
ELLE Sample #: SW 9202635
ELLE Group #: 1848862
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	3.9	D1	1.1	20
10225	PCB-1260	11096-82-5	6.3	D2	1.1	20
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00118	Moisture	n.a.	11.3		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	172560011A	09/18/2017 12:57	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00118	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **T1-115WMSD Grab Soil Amtrak Wilmington**

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:41
SDG#: ATG65-15MSD

Stantec
ELLE Sample #: **SW 9202636**
ELLE Group #: **1848862**
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 D2	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	1.3 D1	1.1	20
10225	PCB-1260	11096-82-5	2.3 D1	1.1	20
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**	**%**	
00118	Moisture	n.a.	11.3	0.50	1
00121	Moisture Duplicate	n.a.	12.1	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	172560011A	09/18/2017 13:08	Kirby B Turner	20
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00118	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1
00121	Moisture Duplicate	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Analysis Report

Sample Description: **DUP-13 Grab Soil**
Amtrak Wilmington

Project Name: **Amtrak Wilmington**

Submittal Date/Time: 09/11/2017 16:55
Collection Date/Time: 09/11/2017 10:41
SDG#: ATG65-16FD

Stantec
ELLE Sample #: **SW 9202637**
ELLE Group #: **1848862**
Matrix: Soil

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Limit of Quantitation	Dilution Factor
Pesticides/PCBs	**SW-846 8082**		**mg/kg**		**mg/kg**	
10225	PCB-1016	12674-11-2	< 2.8	D1	2.8	50
10225	PCB-1221	11104-28-2	< 2.8	D1	2.8	50
10225	PCB-1232	11141-16-5	< 2.8	D1	2.8	50
10225	PCB-1242	53469-21-9	< 2.8	D1	2.8	50
10225	PCB-1248	12672-29-6	< 2.8	D1	2.8	50
10225	PCB-1254	11097-69-1	< 2.8	D1	2.8	50
10225	PCB-1260	11096-82-5	14	D2	2.8	50
Wet Chemistry	**%Moisture- Dry Wt Calculation**		**%**		**%**	
00111	Moisture	n.a.	9.8		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	172560011A	09/18/2017 13:20	Kirby B Turner	50
14248	PCB 10g Sonication Ext	SW-846 3550B	1	172560011A	09/13/2017 17:55	Sally L Appleyard	1
00111	Moisture	%Moisture- Dry Wt Calculation	1	17256820007B	09/13/2017 15:21	Larry E Bevins	1

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Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 15:56

Group Number: 1848862

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: 172560011A	Sample number(s): 9202620-9202622,9202625-9202637	
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: 172560011A	Sample number(s): 9202620-9202622,9202625-9202637								
PCB-1016	0.501	0.460			92		80-121		
PCB-1260	0.501	0.500			100		84-125		
	%	%	%	%					
Batch number: 17256820007B	Sample number(s): 9202620-9202622,9202625-9202637								
Moisture	89.5	89.38			100		99-101		
Moisture	89.5	89.38			100		99-101		
Moisture Duplicate	89.5	89.38			100		99-101		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/kg	MS Spike Added mg/kg	MS Conc mg/kg	MSD Spike Added mg/kg	MSD Conc mg/kg	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172560011A	Sample number(s): 9202620-9202622,9202625-9202637 UNSPK: 9202634									
PCB-1016	< 0.99	0.485	0.427	0.498	0.274	88	55*	80-121	44	50
PCB-1260	3.54	0.485	5.62	0.498	2.08	430 (2)	-293 (2)	84-125	92*	50

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

Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 15:56

Group Number: 1848862

MS/MSD (continued)

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

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: 17256820007B	Sample number(s): 9202620-9202622,9202625-9202637 BKG: 9202634, P202634			
Moisture	11.26	12.05	7*	5
Moisture	11.26	12.05	7*	5
Moisture Duplicate	11.26	12.05	7*	5

Surrogate Quality Control

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

Analysis Name: PCBs in Solids by 8082/3550
Batch number: 172560011A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9202620	226*	373*	260*	327*
9202621	86	117	91	104
9202622	98	163	113	137
9202625	93	111	93	106
9202626	64	82	69	89
9202627	85	110	91	118
9202628	68	132	75	90
9202629	40*	46*	41*	47*
9202630	80	125	97	117
9202631	83	116	107	133
9202632	66	73	66	75
9202633	89	154	115	141
9202634	60*	78	68	80
9202635	70	93	77	92
9202636	44*	53	50*	57

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

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Quality Control Summary

Client Name: Stantec
Reported: 11/03/2017 15:56

Group Number: 1848862

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: 172560011A

	Tetrachloro-m-xylene-D1	Decachlorobiphenyl-D1	Tetrachloro-m-xylene-D2	Decachlorobiphenyl-D2
9202637	84	127	107	134
Blank	104	95	105	96
LCS	97	94	97	102
MS	70	93	77	92
MSD	44*	53	50*	57
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 # 1848862 Sample # 9202620-37

COC # 536837

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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 ☐

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	Matrix: Soil ☒ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☐ NPDES ☐ Surface ☐	Other:	Total # of Containers	PCBs 3550B									Remarks
TI-95W	9-11-17	1001	X		X			1	X									
TI-95E		1002	X		X			1	X									
TI-96W		1003	X		X			1	X									
TI-96E		1004	X		X			1	X									
TI-97W		1005	X		X			1	X									
TI-97E		1006	X		X			1	X									
TI-98W		1007	X		X			1	X									
TI-98E		1008	X		X			1	X									
TI-99W		1009	X		X			1	X									
TI-99E	9-11-17	1010	X		X			1	X									

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed: _____

E-mail address: _____

Data Package Options (circle if required)

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

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

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-11-17	1450	[signature]	9-11-17	1450
[signature]	9-11-17	1600			
			[signature]	9-11-17	1655

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 0.8-2 °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

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 11289 Group # 1848862 Sample # 9202620-37

COC # 536838 3 of 12

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 ☐

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate

N=HNO_3 B=NaOH

S=H_2SO_4 O=Other

Remarks

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil/Sediment (Tissue)	Water (Potable, Ground, NPDES, Surface)	Other:	Total # of Containers	PCBs 35508									Remarks
T1-100W	9-11-17	1011	X		X			1	X									
T1-100E		1012	X		X			1	X									
T1-101W		1013	X		X			1	X									
T1-101E		1014	X		X			1	X									
T1-102W		1015	X		X			1	X									
T1-102E		1016	X		X			1	X									
T1-103W		1017	X		X			1	X									
T1-103E		1018	X		X			1	X									
T1-104W		1019	X		X			1	X									
T1-104E	9-11-17	1020	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]	9-11-17	1450	[signature]	9/11/17	1450
[signature]	9/11/17	1655			
			[signature]	9-11-17	1655

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 0.8-1.2 °C

Environmental Analysis Request/Chain of Custody

eurofins

Lancaster Laboratories Environmental

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Acct. # 11289 Group # 1848862 Sample # 9202620-37

COC # 536841 6 of 12

Client Information

Client: Stantec

Acct. #:

Project Name/#: Amtrak Wilmington

PWSID #:

Project Manager: Paul Miller

P.O. #:

Sampler: Jan 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#:

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Total # of Containers	PCBs 3550B
TI-113E	9-11-17	1038	X		X	1	X
TI-114W		1039	X		X	1	X
TI-114WMS		1039	X		X	1	X
TI-114WMSD		1039	X		X	1	X
DUP-12		1039	X		X	1	X
TI-114E		1040	X		X	1	X
TI-115W		1041	X		X	1	X
TI-115WMS		1041	X		X	1	X
TI-115WMSD		1041	X		X	1	X
DUP-13	9-11-17	1041	X		X	1	X

Preservation Codes

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

Remarks

Turnaround Time (TAT) Requested (please circle)

Standard Rush

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

Date results are needed: ____

E-mail address: ____

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]	9-11-17	1450	[signature]	9-11-17	1455
[signature]	9-11-17	1655			
			[signature]	9-11-17	1655

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 0.8-1.2 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 194045

Group Number(s): 1848862

Client: Stantec

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/11/2017 16:55
Number of Packages:	2	Number of Projects:	2
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:	Yes		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Cory Jeremiah (10469) at 20:08 on 09/11/2017

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	1.2	DT	Wet	Y	Bagged	N
2	DT42-01	0.8	DT	Wet	Y	Bagged	N

Missing Sample Details

Sample ID on COC	Comments
TI-101W	
TI-101E	

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

Explanation of Symbols and Abbreviations

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

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

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

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

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

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

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

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Polychlorinated Biphenyls (PCBs) Data

Case Narrative/Conformance Summary

Polychlorinated Biphenyls (PCBs)

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Case Narrative/Conformance Summary

CLIENT: Stantec
SDG: ATG65

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

Sample #	Client ID	Matrix Liquid	Matrix Solid	DF	Comments
9202620	T1-99E		X	1000	
9202621	T1-100W		X	10	
9202622	T1-100E		X	100	
9202625	T1-102W		X	10	
9202626	T1-102E		X	100	
9202627	T1-103W		X	50	
9202628	T1-103E		X	100	
9202629	T1-104W		X	10	
9202630	T1-104E		X	50	
9202631	T1-113E		X	100	
9202632	DUP-12		X	10	Field Duplicate Sample
9202633	T1-114E		X	100	
9202634	T1-115W		X	20	Unspiked
9202635	T1-115WMS		X	20	Matrix Spike
9202636	T1-115WMSD		X	20	Matrix Spike Duplicate
9202637	DUP-13		X	50	Field Duplicate Sample

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): 9202620-9202622, 9202625-9202637: 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: ATG65

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#: 172560011A (Sample number(s): 9202620-9202622, 9202625-9202637, UNSPK: 9202634)
The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: PCB-1260
The recovery(ies) for the following analyte(s) in the MS exceeded the acceptance window indicating a positive bias: PCB-1260
The recovery(ies) for the following analyte(s) in the MSD were below the acceptance window: PCB-1016, 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#: 172560011A (Sample number(s): 9202620-9202622, 9202625-9202637, UNSPK: 9202634)
The recovery(ies) for the following surrogate(s) exceeded the acceptance window: Decachlorobiphenyl-D1 (9202620), Decachlorobiphenyl-D2 (9202620), Tetrachloro-m-xylene-D1 (9202620), Tetrachloro-m-xylene-D2 (9202620)
The recovery(ies) for the following surrogate(s) were below the acceptance window: Decachlorobiphenyl-D1 (9202629), Decachlorobiphenyl-D2 (9202629), Tetrachloro-m-xylene-D1 (9202629, 9202634 UNSPK, 9202636), Tetrachloro-m-xylene-D2 (9202629, 9202636)

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: ATG65

Fraction: Polychlorinated Biphenyls (PCBs)

Analysis	Batch Number	Sample Number	Analysis Date
PCBs in Solids by 8082/3550	172560011A	PBLK11256	09/18/2017 09:33:00
		LCS11256	09/18/2017 09:44:00
		9202620	09/18/2017 10:07:00
		9202621	09/20/2017 01:36:00
		9202622	09/18/2017 10:29:00
		9202625	09/21/2017 21:52:00
		9202626	09/18/2017 10:52:00
		9202627	09/18/2017 11:04:00
		9202628	09/18/2017 11:15:00
		9202629	09/18/2017 11:26:00
		9202630	09/18/2017 11:37:00
		9202631	09/18/2017 12:12:00
		9202632	09/20/2017 02:10:00
		9202633	09/18/2017 12:34:00
		9202634 UNSPK	09/18/2017 12:45:00
		9202635 MS	09/18/2017 12:57:00
		9202636 MSD	09/18/2017 13:08:00
		9202637	09/18/2017 13:20:00

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Quality Control Summary
Method Blank
Pesticide Residue Analysis
SDG: ATG65
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172560011A / PBLK11256 **Analyte**	**Analysis Date**	**Blank Results**	**Units**	**MDL**	**LOQ**
PCB-1016	09/18/17	N.D.	mg/kg	0.0099	0.051
PCB-1221	09/18/17	N.D.	mg/kg	0.015	0.051
PCB-1232	09/18/17	N.D.	mg/kg	0.012	0.051
PCB-1242	09/18/17	N.D.	mg/kg	0.012	0.051
PCB-1248	09/18/17	N.D.	mg/kg	0.0099	0.051
PCB-1254	09/18/17	N.D.	mg/kg	0.013	0.051
PCB-1260	09/18/17	N.D.	mg/kg	0.012	0.051

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Quality Control Summary
Surrogates
Pesticide Residue Analysis
SDG: ATG65
Matrix: SOLID

Fraction: Polychlorinated Biphenyls (PCBs)

172560011A	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
PBLK11256	95	48 - 164	96	48 - 164	104	61 - 152	105	61 - 152
LCS11256	94	48 - 164	102	48 - 164	97	61 - 152	97	61 - 152
9202620	373 *	48 - 164	327 *	48 - 164	226 *	61 - 152	260 *	61 - 152
9202621	117	48 - 164	104	48 - 164	86	61 - 152	91	61 - 152
9202622	163	48 - 164	137	48 - 164	98	61 - 152	113	61 - 152
9202625	111	48 - 164	106	48 - 164	93	61 - 152	93	61 - 152
9202626	82	48 - 164	89	48 - 164	64	61 - 152	69	61 - 152
9202627	110	48 - 164	118	48 - 164	85	61 - 152	91	61 - 152
9202628	132	48 - 164	90	48 - 164	68	61 - 152	75	61 - 152
9202629	46 *	48 - 164	47 *	48 - 164	40 *	61 - 152	41 *	61 - 152
9202630	125	48 - 164	117	48 - 164	80	61 - 152	97	61 - 152
9202631	116	48 - 164	133	48 - 164	83	61 - 152	107	61 - 152
9202632	73	48 - 164	75	48 - 164	66	61 - 152	66	61 - 152
9202633	154	48 - 164	141	48 - 164	89	61 - 152	115	61 - 152
9202634 UNSPK	78	48 - 164	80	48 - 164	60 *	61 - 152	68	61 - 152
9202635 MS	93	48 - 164	92	48 - 164	70	61 - 152	77	61 - 152
9202636 MSD	53	48 - 164	57	48 - 164	44 *	61 - 152	50 *	61 - 152
9202637	127	48 - 164	134	48 - 164	84	61 - 152	107	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: ATG65
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

UNSPK: 9202634 MS: 9202635 MSD: 9202636 **Analyte**	Batch: **172560011A** (Sample number(s): 9202620-9202622, 9202625-9202637)								
	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	0.485 / 0.498	0	0.427	0.274	88	55 *	80-121	44	50
PCB-1260	0.485 / 0.498	3.54	5.62	2.08	430 (2)	-293 (2)	84-125	92 *	50

Comments:
(2) The unspiked sample result is greater than four times the spike added.
* = Out of Specification

Results are being reported on an as received basis.

Lancaster Laboratories Environmental

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

SDG: ATG65
Matrix: SOLID

Pesticide Residue Analysis

Fraction: Polychlorinated Biphenyls (PCBs)

LCS: LCS11256	Batch: **172560011A** (Sample number(s): 9202620-9202622, 9202625-9202637)							
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	0.460	NA	92	NA	80-121	NA	NA
PCB-1260	0.501	0.500	NA	100	NA	84-125	NA	NA

6D

INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

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	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.93	2.99
Decachlorobiphenyl	6.65	6.64	6.64	6.64	6.64	6.64	6.64	6.61	6.67

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.15E+05	1.06E+05	1.14E+05	1.18E+05	1.14E+05	1.15E+05	1.14E+05	4
Decachlorobiphenyl	1.21E+05	1.10E+05	1.00E+05	1.05E+05	1.02E+05	1.01E+05	1.06E+05	8

Average % RSD: 6

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	3.21	3.19	3.23	2120	1856	1	25.25	53542	9.06
	1				1919		2	50.5	96931	
	1				1911		3	101	193047	
	1				1819		4	202	367481	
	1				1712		5	505	864455	
	1				1651		6	1010	1667471	
	2	3.43	3.41	3.45	2146	1866	1	25.25	54184	10.16
	2				1995		2	50.5	100739	
	2				1920		3	101	193884	
	2				1793		4	202	362126	
	2				1683		5	505	849910	
	2				1659		6	1010	1675375	
	3	3.54	3.52	3.56	2698	2346	1	25.25	68115	8.94
	3				2373		2	50.5	119844	
	3				2412		3	101	243602	
	3				2326		4	202	469884	
	3				2161		5	505	1091233	
	3				2108		6	1010	2129489	
	4	3.76	3.74	3.78	3242	2939	1	25.25	81853	5.92
	4				2901		2	50.5	146512	
	4				2974		3	101	300346	
	4				2973		4	202	600534	
	4				2768		5	505	1397923	
	4				2775		6	1010	2803036	
	5	3.81	3.79	3.83	2755	2575	1	25.25	69554	4.45
	5				2569		2	50.5	129729	
	5				2624		3	101	265000	
	5				2558		4	202	516720	
	5				2404		5	505	1213788	
	5				2539		6	1010	2564393	
	6	4.01	3.99	4.03	2168	1906	1	25.25	54740	7.89
	6				1924		2	50.5	97168	
	6				1952		3	101	197177	
	6				1820		4	202	367705	
	6				1731		5	505	873917	
	6				1843		6	1010	1861264	
Aroclor-1221	1	3.11	3.09	3.13	951	951	1	200.24	190363	.00
	2	3.16	3.14	3.18	881	881	1	200.24	176400	.00
	3	3.21	3.19	3.23	2632	2632	1	200.24	527105	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	3.21	3.19	3.23	2201	2201	1	200.6	441536	.00
	2	3.42	3.40	3.44	853	853	1	200.6	171129	.00
	3	3.54	3.52	3.56	1095	1095	1	200.6	219729	.00
	4	3.75	3.73	3.77	1361	1361	1	200.6	272931	.00
	5	3.81	3.79	3.83	1130	1130	1	200.6	226722	.00
	6	4.01	3.99	4.03	792	792	1	200.6	158826	.00
Aroclor-1242	1	3.21	3.19	3.23	2612	2612	1	200	522476	.00
	2	3.43	3.41	3.45	2522	2522	1	200	504367	.00
	3	3.54	3.52	3.56	3200	3200	1	200	640053	.00
	4	3.76	3.74	3.78	4066	4066	1	200	813267	.00
	5	3.82	3.80	3.84	3549	3549	1	200	709869	.00
	6	4.01	3.99	4.03	2600	2600	1	200	520019	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.76	3.74	3.78	1429	1235	1	25.08	35845	8.96
	1				1284		2	50.16	64383	
	1				1216		3	100.32	122011	
	1				1208		4	200.64	242432	
	1				1154		5	501.6	578637	
	1				1119		6	1003.2	1122857	
	2	3.82	3.80	3.84	1601	1432	1	25.08	40147	6.71
	2				1471		2	50.16	73784	
	2				1422		3	100.32	142649	
	2				1402		4	200.64	281361	
	2				1365		5	501.6	684586	
	2				1329		6	1003.2	1333217	
	3	3.88	3.86	3.90	2799	2364	1	25.08	70211	10.30
	3				2494		2	50.16	125116	
	3				2239		3	100.32	224628	
	3				2274		4	200.64	456169	
	3				2238		5	501.6	1122783	
	3				2140		6	1003.2	2146979	
	4	4.01	3.99	4.03	3165	2702	1	25.08	79381	9.77
	4				2855		2	50.16	143217	
	4				2549		3	100.32	255681	
	4				2607		4	200.64	523060	
	4				2588		5	501.6	1298046	
	4				2448		6	1003.2	2455378	
	5	4.10	4.08	4.12	2686	2397	1	25.08	67359	7.65
	5				2570		2	50.16	128922	
	5				2253		3	100.32	226036	
	5				2300		4	200.64	461460	
	5				2282		5	501.6	1144780	
	5				2290		6	1003.2	2297446	
	6	4.28	4.26	4.30	2694	2451	1	25.08	67561	6.95
	6				2548		2	50.16	127824	
	6				2214		3	100.32	222077	
	6				2338		4	200.64	469065	
	6				2394		5	501.6	1200913	
	6				2516		6	1003.2	2524186	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.26	4.24	4.28	3095	2653	1	25.15	77830	10.52
	1				2865		2	50.3	144114	
	1				2561		3	100.6	257601	
	1				2513		4	251.5	632053	
	1				2573		5	503	1294217	
	1				2314		6	1006	2327792	
	2	4.41	4.39	4.43	5301	4529	1	25.15	133330	9.60
	2				4583		2	50.3	230503	
	2				4424		3	100.6	445086	
	2				4118		4	251.5	1035794	
	2				4615		5	503	2321306	
	2				4130		6	1006	4154307	
	3	4.67	4.65	4.69	6913	6307	1	25.15	173872	5.68
	3				6298		2	50.3	316784	
	3				6080		3	100.6	611659	
	3				5963		4	251.5	1499619	
	3				6519		5	503	3279059	
	3				6066		6	1006	6102711	
	4	4.88	4.86	4.90	5181	4599	1	25.15	130301	7.02
	4				4609		2	50.3	231820	
	4				4461		3	100.6	448751	
	4				4302		4	251.5	1081906	
	4				4697		5	503	2362705	
	4				4345		6	1006	4370853	
	5	5.08	5.06	5.10	4089	3583	1	25.15	102827	7.72
	5				3609		2	50.3	181527	
	5				3474		3	100.6	349443	
	5				3342		4	251.5	840560	
	5				3633		5	503	1827566	
	5				3351		6	1006	3370989	
	6	5.19	5.17	5.21	5649	4994	1	25.15	142073	10.27
	6				5184		2	50.3	260734	
	6				5119		3	100.6	514946	
	6				4244		4	251.5	1067328	
	6				5234		5	503	2632537	
	6				4532		6	1006	4559478	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.99	4.97	5.01	6615	5826	1	25.21	166776	7.30
	1				5630		2	50.41	283826	
	1				5606		3	100.82	565175	
	1				5726		4	201.64	1154669	
	1				5419		5	504.1	2731492	
	1				5959		6	1008.2	6007472	
	2	5.19	5.17	5.21	7801	7201	1	25.21	196658	5.22
	2				6804		2	50.41	343004	
	2				6903		3	100.82	695986	
	2				7267		4	201.64	1465256	
	2				6995		5	504.1	3526154	
	2				7436		6	1008.2	7496748	
	3	5.26	5.24	5.28	4015	3483	1	25.21	101224	7.99
	3				3433		2	50.41	173067	
	3				3455		3	100.82	348381	
	3				3463		4	201.64	698368	
	3				3207		5	504.1	1616739	
	3				3326		6	1008.2	3352840	
	4	5.42	5.40	5.44	4145	3682	1	25.21	104494	6.71
	4				3707		2	50.41	186894	
	4				3593		3	100.82	362228	
	4				3538		4	201.64	713472	
	4				3433		5	504.1	1730683	
	4				3678		6	1008.2	3708028	
	5	5.66	5.64	5.68	10851	10227	1	25.21	273544	4.44
	5				9530		2	50.41	480406	
	5				10082		3	100.82	1016502	
	5				10404		4	201.64	2097824	
	5				10021		5	504.1	5051686	
	5				10477		6	1008.2	10562870	
	6	5.86	5.84	5.88	6885	6304	1	25.21	173568	4.75
	6				6222		2	50.41	313639	
	6				6125		3	100.82	617501	
	6				6183		4	201.64	1246720	
	6				6068		5	504.1	3058814	
	6				6343		6	1008.2	6394905	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Calibration File: 25PCBS1725702

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	5.27	5.25	5.29	5822	5822	1	200.8	1169090	.00
	2	5.43	5.41	5.45	5145	5145	1	200.8	1033216	.00
	3	5.66	5.64	5.68	12941	12941	1	200.8	2598482	.00
	4	5.87	5.85	5.89	7782	7782	1	200.8	1562656	.00
	5	5.92	5.90	5.94	3826	3826	1	200.8	768288	.00
	6	6.29	6.27	6.31	4681	4681	1	200.8	939898	.00
Aroclor-1268	1	5.86	5.84	5.88	14108	14108	1	201	2835739	.00
	2	5.92	5.90	5.94	12359	12359	1	201	2484219	.00
	3	6.05	6.03	6.07	11787	11787	1	201	2369089	.00
	4	6.12	6.10	6.14	3089	3089	1	201	620921	.00
	5	6.29	6.27	6.31	5176	5176	1	201	1040302	.00
	6	6.49	6.47	6.51	39314	39314	1	201	7902152	.00

File Name: V:\CP25\25PCBS1725702.CAL
Version: 8

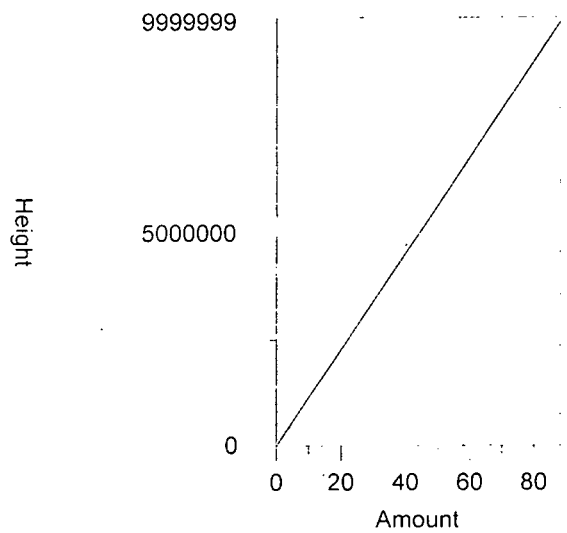
Creator:
Description:
Reason for change:

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: 2.96 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

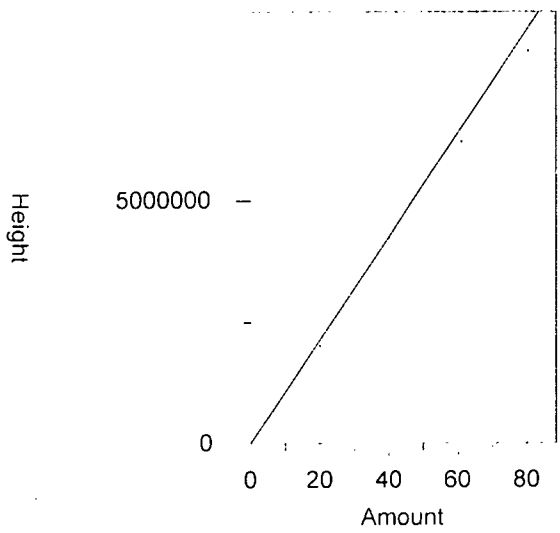
Single peak quantification by height

Y = 113668.2 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.999284
Average error: 2.241%
Average CF: 113668.2
RSD: 3.602%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	230300.4	115150.2	1.304	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.007.BNE
2	4	424253.9	106063.5	-6.690	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.008.BNE
3	20	2276417	113820.9	0.134	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.009.BNE
4	40	4734539	118363.5	4.131	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.010.BNE
5	60.8	6908737	113630.5	-0.033	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.011.BNE
6	80	9198455	114980.7	1.155	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.012.BNE

2 DCB



Expected retention time:	6.638 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 = 106487.4 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9934807
Average error:	5.699%
Average CF:	106487.4
RSD:	7.542%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	243072.4	120931.5	13.564	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.00
2	4.02	443205.8	110250.2	3.534	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.00
3	20.12	2014977	100148	-5.953	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.00
4	40.24	4239454	105354.2	-1.064	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.01
5	61.16	6219145	101686.5	-4.508	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.01
6	80.48	8092601	100554.2	-5.572	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.01

6D
INITIAL CALIBRATION - RETENTION TIME SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

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	2.64	2.64	2.64	2.64	2.64	2.64	2.64	2.61	2.67
Decachlorobiphenyl	6.14	6.13	6.13	6.13	6.13	6.13	6.13	6.10	6.16

6E

INITIAL CALIBRATION - CALIBRATION FACTOR SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	CALIBRATION FACTORS							%RSD
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	MEAN	
Tetrachloro-m-xylene	1.75E+05	1.64E+05	1.80E+05	1.85E+05	1.82E+05	1.85E+05	1.79E+05	4
Decachlorobiphenyl	1.67E+05	1.49E+05	1.41E+05	1.49E+05	1.47E+05	1.54E+05	1.51E+05	6

Average % RSD: 5

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1016	1	2.93	2.91	2.95	3526	2951	1	25.25	89040	11.77
	1				3079		2	50.5	155478	
	1				3034		3	101	306403	
	1				2852		4	202	576153	
	1				2637		5	505	1331796	
	1				2575		6	1010	2601226	
	2	3.13	3.11	3.15	2930	2430	1	25.25	73973	12.38
	2				2448		2	50.5	123606	
	2				2554		3	101	257920	
	2				2396		4	202	483945	
	2				2119		5	505	1070167	
	2				2132		6	1010	2152935	
	3	3.25	3.23	3.27	4059	3497	1	25.25	102489	9.48
	3				3598		2	50.5	181696	
	3				3568		3	101	360376	
	3				3412		4	202	689228	
	3				3156		5	505	1593902	
	3				3189		6	1010	3221021	
	4	3.45	3.43	3.47	4079	3660	1	25.25	103002	6.69
	4				3624		2	50.5	182987	
	4				3767		3	101	380510	
	4				3597		4	202	726578	
	4				3357		5	505	1695241	
	4				3538		6	1010	3572932	
	5	3.52	3.50	3.54	4340	3917	1	25.25	109578	5.84
	5				3821		2	50.5	192974	
	5				3923		3	101	396251	
	5				3904		4	202	788629	
	5				3652		5	505	1844478	
	5				3860		6	1010	3898437	
	6	3.56	3.54	3.58	3107	2658	1	25.25	78454	9.99
	6				2716		2	50.5	137138	
	6				2756		3	101	278398	
	6				2533		4	202	511608	
	6				2356		5	505	1189770	
	6				2482		6	1010	2507195	
Aroclor-1221	1	2.81	2.79	2.83	1690	1690	1	200.24	338481	.00
	2	2.87	2.85	2.89	1009	1009	1	200.24	202042	.00
	3	2.93	2.91	2.95	4125	4125	1	200.24	825970	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1232	1	2.93	2.91	2.95	3430	3430	1	200.6	688011	.00
	2	3.13	3.11	3.15	1135	1135	1	200.6	227666	.00
	3	3.25	3.23	3.27	1587	1587	1	200.6	318336	.00
	4	3.45	3.43	3.47	1674	1674	1	200.6	335814	.00
	5	3.52	3.50	3.54	1736	1736	1	200.6	348153	.00
	6	3.55	3.53	3.57	1033	1033	1	200.6	207202	.00
Aroclor-1242	1	2.93	2.91	2.95	4021	4021	1	200	804150	.00
	2	3.13	3.11	3.15	2846	2846	1	200	569158	.00
	3	3.25	3.23	3.27	4725	4725	1	200	944978	.00
	4	3.45	3.43	3.47	4957	4957	1	200	991328	.00
	5	3.52	3.50	3.54	5180	5180	1	200	1035972	.00
	6	3.56	3.54	3.58	3321	3321	1	200	664260	.00

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1248	1	3.45	3.43	3.47	1730	1468	1	25.08	43379	10.77
	1				1562		2	50.16	78326	
	1				1443		3	100.32	144736	
	1				1402		4	200.64	281332	
	1				1399		5	501.6	701787	
	1				1273		6	1003.2	1277205	
	2	3.52	3.50	3.54	2636	2238	1	25.08	66101	9.94
	2				2334		2	50.16	117098	
	2				2206		3	100.32	221303	
	2				2144		4	200.64	430084	
	2				2097		5	501.6	1051816	
	2				2014		6	1003.2	2020299	
	3	3.56	3.54	3.58	4495	3748	1	25.08	112746	11.00
	3				3893		2	50.16	195254	
	3				3656		3	100.32	366805	
	3				3597		4	200.64	721796	
	3				3545		5	501.6	1778372	
	3				3303		6	1003.2	3313367	
	4	3.68	3.66	3.70	5572	4648	1	25.08	139735	9.95
	4				4580		2	50.16	229727	
	4				4427		3	100.32	444140	
	4				4514		4	200.64	905678	
	4				4497		5	501.6	2255803	
	4				4297		6	1003.2	4310944	
	5	3.77	3.75	3.79	3581	3180	1	25.08	89805	6.68
	5				3232		2	50.16	162135	
	5				3001		3	100.32	301087	
	5				3111		4	200.64	624257	
	5				3119		5	501.6	1564392	
	5				3033		6	1003.2	3042802	
	6	3.91	3.89	3.93	5882	5800	1	25.08	147512	4.91
	6				6036		2	50.16	302753	
	6				5345		3	100.32	536171	
	6				5558		4	200.64	1115190	
	6				6046		5	501.6	3032516	
	6				5933		6	1003.2	5952468	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1254	1	4.27	4.25	4.29	9296	8853	1	25.15	233801	5.57
	1				8423		2	50.3	423698	
	1				8411		3	100.6	846127	
	1				8446		4	251.5	2124178	
	1				9519		5	503	4788273	
	1				9020		6	1006	9074043	
	2	4.36	4.34	4.38	4916	4159	1	25.15	123645	10.20
	2				4298		2	50.3	216186	
	2				4105		3	100.6	412997	
	2				3792		4	251.5	953575	
	2				4088		5	503	2056254	
	2				3755		6	1006	3777118	
	3	4.43	4.41	4.45	6773	6121	1	25.15	170340	6.30
	3				5853		2	50.3	294389	
	3				5940		3	100.6	597612	
	3				5833		4	251.5	1466951	
	3				6414		5	503	3226353	
	3				5910		6	1006	5945448	
	4	4.50	4.48	4.52	4335	3657	1	25.15	109037	10.76
	4				3826		2	50.3	192453	
	4				3661		3	100.6	368300	
	4				3456		4	251.5	869080	
	4				3465		5	503	1742959	
	4				3201		6	1006	3220632	
	5	4.65	4.63	4.67	4620	4300	1	25.15	116199	4.52
	5				4256		2	50.3	214056	
	5				4187		3	100.6	421260	
	5				4042		4	251.5	1016620	
	5				4362		5	503	2193934	
	5				4334		6	1006	4359890	
	6	4.73	4.71	4.75	7578	6808	1	25.15	190598	6.08
	6				6715		2	50.3	337782	
	6				6629		3	100.6	666844	
	6				6566		4	251.5	1651252	
	6				6933		5	503	3487076	
	6				6425		6	1006	6463337	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1260	1	4.49	4.47	4.51	9160	8311	1	25.21	230917	5.45
	1				8046		2	50.41	405583	
	1				8067		3	100.82	813300	
	1				8196		4	201.64	1652587	
	1				7936		5	504.1	4000449	
	1				8464		6	1008.2	8533178	
	2	4.60	4.58	4.62	6832	6593	1	25.21	172232	2.48
	2				6402		2	50.41	322735	
	2				6487		3	100.82	654044	
	2				6530		4	201.64	1316680	
	2				6558		5	504.1	3305790	
	2				6747		6	1008.2	6802277	
	3	4.73	4.71	4.75	8279	8036	1	25.21	208713	6.77
	3				7132		2	50.41	359507	
	3				7885		3	100.82	794919	
	3				8333		4	201.64	1680328	
	3				7871		5	504.1	3967668	
	3				8717		6	1008.2	8788362	
	4	4.95	4.93	4.97	6207	5515	1	25.21	156467	6.88
	4				5101		2	50.41	257132	
	4				5568		3	100.82	561406	
	4				5369		4	201.64	1082526	
	4				5305		5	504.1	2674116	
	4				5542		6	1008.2	5587798	
	5	5.14	5.12	5.16	13743	12970	1	25.21	346454	5.00
	5				12011		2	50.41	605451	
	5				12776		3	100.82	1288040	
	5				12909		4	201.64	2602999	
	5				12722		5	504.1	6413202	
	5				13662		6	1008.2	13774250	
	6	5.40	5.38	5.42	9345	9013	1	25.21	235579	3.40
	6				8729		2	50.41	440037	
	6				8787		3	100.82	885885	
	6				8842		4	201.64	1782895	
	6				8924		5	504.1	4498504	
	6				9450		6	1008.2	9527196	

6F

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Calibration File: 25PCBS1725702B

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

ICAL Date(s) Analyzed: 9/14/2017 9/14/2017

COMPOUND	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR	AVERAGE CF	LEVEL	AMOUNT	PEAK HEIGHT	%RSD
Aroclor-1262	1	4.76	4.74	4.78	8076	8076	1	200.8	1621756	.00
	2	4.95	4.93	4.97	8059	8059	1	200.8	1618276	.00
	3	5.14	5.12	5.16	17056	17056	1	200.8	3424826	.00
	4	5.36	5.34	5.38	6551	6551	1	200.8	1315463	.00
	5	5.40	5.38	5.42	11433	11433	1	200.8	2295833	.00
	6	5.78	5.76	5.80	6319	6319	1	200.8	1268800	.00
Aroclor-1268	1	5.35	5.33	5.37	19084	19084	1	201	3835848	.00
	2	5.40	5.38	5.42	18726	18726	1	201	3763970	.00
	3	5.55	5.53	5.57	15694	15694	1	201	3154453	.00
	4	5.62	5.60	5.64	4096	4096	1	201	823204	.00
	5	5.77	5.75	5.79	7082	7082	1	201	1423443	.00
	6	5.97	5.95	5.99	58535	58535	1	201	11765620	.00

File Name: V:\CP25\25PCBS1725702b.CAL
Version: 8

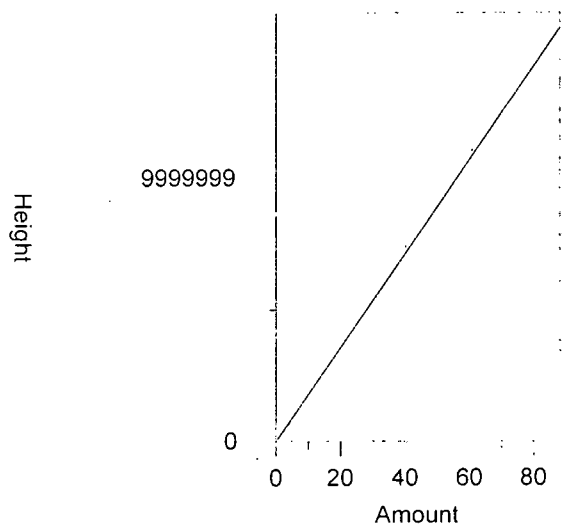
Creator:
Description:
Reason for change:

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: 2.643 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

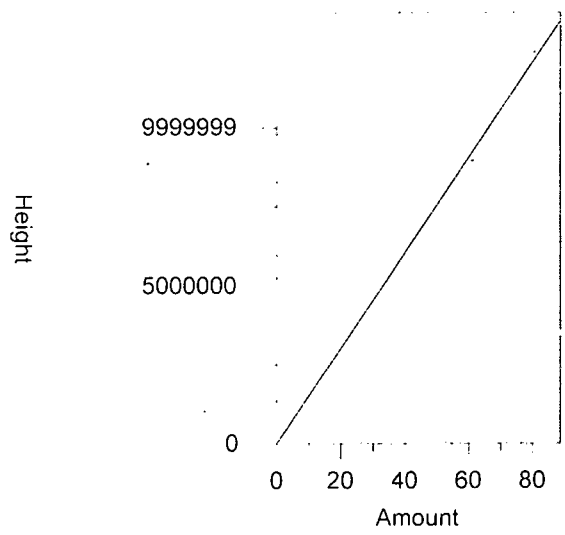
Single peak quantification by height

Y = 178747 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9976563
Average error: 3.347%
Average CF: 178747
RSD: 4.472%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2	350334.7	175167.3	-2.003	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.00
2	4	657512.3	164378.1	-8.039	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.00
3	20	3603264	180163.2	0.792	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.00
4	40	7408689	185217.2	3.620	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.01
5	60.8	1.107079E+07	182085.4	1.868	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.01
6	80	1.483767E+07	185470.9	3.762	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002B.01

2 DCB



Expected retention time:	6.132 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 = 150996.8 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9985425
Average error:	4.087%
Average CF:	150996.8
RSD:	5.739%

Level	Amount	Response	Cal Factor	Error, %	Source
1	2.01	334748.4	166541.5	10.295	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700
2	4.02	598426.4	148862.3	-1.414	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700
3	20.12	2839013	141104	-6.552	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700
4	40.24	5981400	148643.1	-1.559	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700
5	61.16	8982236	146864.5	-2.737	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700
6	80.48	1.239115E+07	153965.6	1.966	\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs1725700

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:41

Lab File ID: 25PCBS17257002.032.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	42.18	40.00	5
Decachlorobiphenyl	6.64	6.61	6.67	39.16	40.24	-3
Aroclor-1016	3.21	3.19	3.23	199.35	201.00	-1
	3.43	3.41	3.45	205.30	201.00	2
	3.54	3.52	3.56	204.51	201.00	2
	3.76	3.74	3.78	200.93	201.00	0
	3.82	3.79	3.83	203.58	201.00	1
	4.01	3.99	4.03	197.33	201.00	-2
Aroclor-1260	4.99	4.97	5.01	186.97	201.80	-7
	5.19	5.17	5.21	186.48	201.80	-8
	5.26	5.24	5.28	186.36	201.80	-8
	5.42	5.40	5.44	191.77	201.80	-5
	5.66	5.64	5.68	194.13	201.80	-4
	5.86	5.84	5.88	193.76	201.80	-4

Compounds 14 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:41

Lab File ID: 25PCBS17257002B.032.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: IC16XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	41.98	40.00	5
Decachlorobiphenyl	6.13	6.10	6.16	39.84	40.24	-1
Aroclor-1016	2.92	2.91	2.95	198.45	201.00	-1
	3.13	3.11	3.15	194.51	201.00	-3
	3.25	3.23	3.27	198.70	201.00	-1
	3.45	3.43	3.47	191.28	201.00	-5
	3.52	3.50	3.54	198.73	201.00	-1
	3.56	3.54	3.58	195.66	201.00	-3
Aroclor-1260	4.50	4.47	4.51	189.33	201.80	-6
	4.60	4.58	4.62	194.16	201.80	-4
	4.73	4.71	4.75	180.62	201.80	-10
	4.95	4.93	4.97	182.35	201.80	-10
	5.14	5.12	5.16	193.51	201.80	-4
	5.40	5.38	5.42	186.14	201.80	-8

Compounds 14 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:52

Lab File ID: 25PCBS17257002.033.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	40.37	40.00	1
Decachlorobiphenyl	6.64	6.61	6.67	36.63	40.24	-9
Aroclor-1248	3.76	3.74	3.78	184.01	200.60	-8
	3.82	3.80	3.84	190.32	200.60	-5
	3.89	3.86	3.90	193.41	200.60	-4
	4.01	3.99	4.03	201.87	200.60	1
	4.10	4.08	4.12	189.48	200.60	-6
	4.28	4.26	4.30	205.35	200.60	2

Compounds 8 Average of %D: 5

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:52

Lab File ID: 25PCBS17257002B.033.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: IC48XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	40.13	40.00	0
Decachlorobiphenyl	6.13	6.10	6.16	36.56	40.24	-9
Aroclor-1248	3.45	3.43	3.47	179.87	200.60	-10
	3.52	3.50	3.54	185.72	200.60	-7
	3.56	3.54	3.58	193.69	200.60	-3
	3.68	3.66	3.70	198.73	200.60	-1
	3.77	3.75	3.79	195.13	200.60	-3
	3.91	3.89	3.93	189.43	200.60	-6

Compounds 8 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/14/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 22:03

Lab File ID: 25PCBS17257002.034.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	19.50	20.00	-2
Decachlorobiphenyl	6.64	6.61	6.67	18.25	20.12	-9
Aroclor-1254	4.26	4.24	4.28	234.24	250.00	-6
	4.41	4.39	4.43	236.24	250.00	-6
	4.67	4.65	4.69	245.05	250.00	-2
	4.88	4.86	4.90	243.29	250.00	-3
	5.08	5.06	5.10	241.95	250.00	-3
	5.19	5.17	5.21	243.05	250.00	-3

Compounds 8 Average of %D: 4

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/14/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 22:03

Lab File ID: 25PCBS17257002B.034.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: IC54XAA Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	19.89	20.00	-1
Decachlorobiphenyl	6.13	6.10	6.16	18.99	20.12	-6
Aroclor-1254	4.27	4.25	4.29	249.86	250.00	0
	4.36	4.34	4.38	238.18	250.00	-5
	4.43	4.41	4.45	242.51	250.00	-3
	4.50	4.48	4.52	234.22	250.00	-6
	4.65	4.63	4.67	249.35	250.00	0
	4.73	4.71	4.75	226.74	250.00	-9

Compounds 8 Average of %D: 4

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/18/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 7:39

Lab File ID: 25PCBS17257004.074.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164AD Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	40.67	40.00	2
Decachlorobiphenyl	6.64	6.61	6.67	37.31	40.24	-7
Aroclor-1016	3.21	3.19	3.23	200.71	202.00	-1
	3.43	3.41	3.45	197.24	202.00	-2
	3.54	3.52	3.56	197.38	202.00	-2
	3.76	3.74	3.78	193.00	202.00	-4
	3.82	3.79	3.83	200.07	202.00	-1
	4.01	3.99	4.03	187.87	202.00	-7
Aroclor-1260	4.99	4.97	5.01	188.33	201.64	-7
	5.19	5.17	5.21	194.83	201.64	-3
	5.26	5.24	5.28	187.96	201.64	-7
	5.42	5.40	5.44	186.52	201.64	-8
	5.66	5.64	5.68	184.82	201.64	-8
	5.86	5.84	5.88	180.74	201.64	-10

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/18/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 7:39

Lab File ID: 25PCBS17257004B.074.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164AD Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	41.61	40.00	4
Decachlorobiphenyl	6.13	6.10	6.16	37.56	40.24	-7
Aroclor-1016	2.93	2.91	2.95	197.92	202.00	-2
	3.13	3.11	3.15	200.31	202.00	-1
	3.25	3.23	3.27	197.40	202.00	-2
	3.45	3.43	3.47	194.23	202.00	-4
	3.52	3.50	3.54	195.81	202.00	-3
	3.56	3.54	3.58	199.82	202.00	-1
Aroclor-1260	4.49	4.47	4.51	197.81	201.64	-2
	4.60	4.58	4.62	202.62	201.64	0
	4.73	4.71	4.75	196.76	201.64	-2
	4.95	4.93	4.97	189.72	201.64	-6
	5.14	5.12	5.16	201.36	201.64	0
	5.40	5.38	5.42	195.73	201.64	-3

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAM Sample ID: AM **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 07:51:11
Instrument : CP25--18274A
Result file : 25PCBS17257004.075.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.203082
%SSR(DCB) : 89% (45-143) Conc.: 0.179927

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**29.92**	
3.41	3.41	3.45	730.6144	0.003916			2
3.52	3.53	3.56	1190.586	0.005074			3
3.74	3.76	3.78	987.105	0.003359			4
3.99	4.00	4.03	463.114	0.002429			6
Height Summation:			**3371.4194**				
Amount Avg CF:			**0.003695**	Linear:			
Aroclor-1221					**2**	**138.16**	
3.09	3.11	3.13	379.9508	0.003997			1
3.14	3.16	3.18	30218.37	0.343023			2
Height Summation:			**30598.3208**				
Amount Avg CF:			**0.17351**	Linear:			
Aroclor-1232					**4**	**26.23**	
3.40	3.41	3.44	730.6144	0.008564			2
3.52	3.53	3.56	1190.586	0.010869			3
3.73	3.76	3.77	987.105	0.007255			4
3.99	4.00	4.03	463.114	0.005849			6
Height Summation:			**3371.4194**				
Amount Avg CF:			**0.008135**	Linear:			
Aroclor-1242					**4**	**30.15**	
3.41	3.41	3.45	730.6144	0.002897			2
3.52	3.53	3.56	1190.586	0.00372			3
3.74	3.76	3.78	987.105	0.002428			4
3.99	4.00	4.03	463.114	0.001781			6
Height Summation:			**3371.4194**				
Amount Avg CF:			**0.002707**	Linear:			
Aroclor-1248					**4**	**82.00**	
3.74	3.76	3.78	987.105	0.007993			1
3.99	4.00	4.03	463.114	0.001714			4
4.08	4.10	4.12	397.7575	0.001659			5
4.26	4.29	4.30	2572.631	0.010498			6
Height Summation:			**4420.6075**				
Amount Avg CF:			**0.005466**	Linear:			
Aroclor-1254					**6**	**73.21**	
4.24	4.25	4.28	678.2149	0.002556			1
4.39	4.40	4.43	432.8374	0.000956			2
4.65	4.65	4.68	2630.847	0.004172			3
4.86	4.89	4.90	414.7632	0.000902			4
5.06	5.08	5.10	672.8813	0.001878			5
5.17	5.21	5.21	304.1506	0.000609			6
Height Summation:			**5133.6944**				
Amount Avg CF:			**0.001845**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 07:51:11
Instrument : CP25--18274B
Result file : 25PCBS17257004B.075.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.204204
%SSR(DCB) : 89% (45-143) Conc.: 0.180448

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**21.26**	
2.91	2.92	2.95	1374.805	0.004659			1
3.11	3.12	3.15	836.092	0.003441			2
+ 3.11	3.14	3.15	621.3682	0.002558			2
Height Summation:			**2210.897**				
Amount Avg CF:			**0.00405**	Linear:			
Aroclor-1221					**2**	**139.59**	
2.85	2.86	2.89	51504.1	0.510447			2
2.91	2.92	2.95	1374.805	0.003333			3
Height Summation:			**52878.905**				
Amount Avg CF:			**0.25689**	Linear:			
Aroclor-1232					**2**	**41.75**	
2.91	2.92	2.95	1374.805	0.004008			1
3.11	3.12	3.15	836.092	0.007367			2
+ 3.11	3.14	3.15	621.3682	0.005475			2
Height Summation:			**2210.897**				
Amount Avg CF:			**0.005688**	Linear:			
Aroclor-1242					**2**	**10.71**	
2.91	2.92	2.95	1374.805	0.003419			1
3.11	3.12	3.15	836.092	0.002938			2
+ 3.11	3.14	3.15	621.3682	0.002183			2
Height Summation:			**2210.897**				
Amount Avg CF:			**0.003179**	Linear:			
Aroclor-1248					**2**	**13.39**	
3.75	3.77	3.79	1674.381	0.005266			5
3.89	3.92	3.93	2526.016	0.004355			6
Height Summation:			**4200.397**				
Amount Avg CF:			**0.004811**	Linear:			
Aroclor-1254					**2**	**37.78**	
4.25	4.28	4.29	1866.53	0.002108			1
4.71	4.72	4.75	2481.854	0.003646			6
Height Summation:			**4348.384**				
Amount Avg CF:			**0.002877**	Linear:			
Aroclor-1260					**3**	**88.57**	
4.58	4.61	4.62	6043.028	0.009166			2
4.71	4.72	4.75	2481.854	0.003088			3
5.38	5.40	5.42	1332.553	0.001479			6
Height Summation:			**9857.435**				
Amount Avg CF:			**0.004578**	Linear:			
Aroclor-1262					**2**	**66.32**	
4.74	4.77	4.78	2603.559	0.003224			1
5.38	5.40	5.42	1332.553	0.001165			5
Height Summation:			**3936.112**				
Amount Avg CF:			**0.002195**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAM Sample ID: AM **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 07:51:11
Instrument : CP25--18274A
Result file : 25PCBS17257004.075.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**5**	**124.44**	
4.97	5.01	5.01	2942.394	0.005051			1
5.17	5.21	5.21	304.1506	0.000422			2
5.40	5.41	5.44	507.5345	0.001378			4
+ 5.40	5.42	5.44	467.2158	0.001269			4
5.64	5.66	5.68	388.2798	0.00038			5
5.84	5.85	5.88	447.654	0.00071			6
Height Summation:			**4590.0129**				
Amount Avg CF:			**0.001588**	Linear:			
Aroclor-1262					**4**	**107.18**	
5.41	5.42	5.45	467.2158	0.000908			2
+ 5.64	5.66	5.68	388.2798	0.0003			3
5.64	5.68	5.68	6293.312	0.004863			3
5.85	5.85	5.89	447.654	0.000575			4
5.90	5.93	5.94	438.0294	0.001145			5
Height Summation:			**7646.2112**				
Amount Avg CF:			**0.001873**	Linear:			
Aroclor-1268					**6**	**153.93**	
5.84	5.85	5.88	447.654	0.000317			1
5.90	5.93	5.94	438.0294	0.000354			2
6.03	6.05	6.07	14070.75	0.011938			3
6.10	6.11	6.14	12708.48	0.041139			4
6.27	6.27	6.31	1719.198	0.003322			5
6.47	6.49	6.51	16717.31	0.004252			6
Height Summation:			**46101.4214**				
Amount Avg CF:			**0.01022**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 07:51:11
Instrument : CP25--18274B
Result file : 25PCBS17257004B.075.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**125.74**	
5.38	5.40	5.42	1332.553	0.000712			2
5.53	5.55	5.57	21152.56	0.013478			3
5.60	5.62	5.64	18013.47	0.043983			4
5.95	5.97	5.99	25418.32	0.004342			6
Height Summation:			**65916.903**				
Amount Avg CF:			**0.015629**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						9.19	4	40	
Aroclor-1221						38.75	3	5	
Aroclor-1232						35.40	4	10	
Aroclor-1242						16.04	4	30	
Aroclor-1248						12.75	4	40	
Aroclor-1254						** 43.69	4	40	
Aroclor-1260						** 96.97	4	40	
Aroclor-1262						15.82	4	40	
Aroclor-1268						** 41.85	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/18/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 11:49

Lab File ID: 25PCBS17257004.096.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164AE Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	39.97	40.00	0
Decachlorobiphenyl	6.64	6.61	6.67	37.34	40.24	-7
Aroclor-1016	3.21	3.19	3.23	193.85	202.00	-4
	3.43	3.41	3.45	195.99	202.00	-3
	3.54	3.52	3.56	193.22	202.00	-4
	3.76	3.74	3.78	191.69	202.00	-5
	3.82	3.79	3.83	196.52	202.00	-3
	4.01	3.99	4.03	193.74	202.00	-4
Aroclor-1260	4.99	4.97	5.01	192.14	201.64	-5
	5.19	5.17	5.21	189.61	201.64	-6
	5.26	5.24	5.28	187.26	201.64	-7
	5.42	5.40	5.44	189.50	201.64	-6
	5.66	5.64	5.68	187.81	201.64	-7
	5.86	5.84	5.88	184.66	201.64	-8

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/18/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 11:49

Lab File ID: 25PCBS17257004B.096.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164AE Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	40.97	40.00	2
Decachlorobiphenyl	6.13	6.10	6.16	38.17	40.24	-5
Aroclor-1016	2.93	2.91	2.95	198.01	202.00	-2
	3.13	3.11	3.15	190.18	202.00	-6
	3.25	3.23	3.27	190.11	202.00	-6
	3.45	3.43	3.47	193.16	202.00	-4
	3.52	3.50	3.54	189.94	202.00	-6
	3.56	3.54	3.58	194.06	202.00	-4
Aroclor-1260	4.50	4.47	4.51	195.47	201.64	-3
	4.60	4.58	4.62	199.33	201.64	-1
	4.73	4.71	4.75	197.11	201.64	-2
	4.95	4.93	4.97	194.45	201.64	-4
	5.14	5.12	5.16	197.61	201.64	-2
	5.40	5.38	5.42	198.78	201.64	-1

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKAN Sample ID: AN **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 12:00:52
Instrument : CP25--18274A
Result file : 25PCBS17257004.097.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.198126
%SSR(DCB) : 95% (45-143) Conc.: 0.191396

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**46.05**	
3.19	3.22	3.23	410.5669	0.002213			1
3.41	3.42	3.45	1103.651	0.005915			2
3.52	3.54	3.56	1138.816	0.004854			3
3.74	3.77	3.78	854.7863	0.002909			4
3.79	3.81	3.83	578.6555	0.002248			5
Height Summation:			**4086.4757**				
Amount Avg CF:			**0.003627**	Linear:			
Aroclor-1221					**2**	**140.14**	
3.14	3.16	3.18	30231.24	0.343169			2
3.19	3.22	3.23	410.5669	0.00156			3
Height Summation:			**30641.8069**				
Amount Avg CF:			**0.172364**	Linear:			
Aroclor-1232					**5**	**59.81**	
3.19	3.22	3.23	410.5669	0.001865			1
3.40	3.42	3.44	1103.651	0.012937			2
3.52	3.54	3.56	1138.816	0.010397			3
3.73	3.77	3.77	854.7863	0.006283			4
3.79	3.81	3.83	578.6555	0.00512			5
Height Summation:			**4086.4757**				
Amount Avg CF:			**0.00732**	Linear:			
Aroclor-1242					**5**	**47.43**	
3.19	3.22	3.23	410.5669	0.001572			1
3.41	3.42	3.45	1103.651	0.004376			2
3.52	3.54	3.56	1138.816	0.003559			3
3.74	3.77	3.78	854.7863	0.002102			4
3.80	3.81	3.84	578.6555	0.00163			5
Height Summation:			**4086.4757**				
Amount Avg CF:			**0.002648**	Linear:			
Aroclor-1248					**3**	**32.85**	
3.74	3.77	3.78	854.7863	0.006921			1
3.80	3.81	3.84	578.6555	0.004042			2
4.26	4.26	4.30	1002.604	0.004091			6
Height Summation:			**2436.0458**				
Amount Avg CF:			**0.005018**	Linear:			
Aroclor-1254					**5**	**55.72**	
4.24	4.26	4.28	1002.604	0.003779			1
4.39	4.41	4.43	812.3347	0.001794			2
4.65	4.65	4.68	3228.681	0.00512			3
4.86	4.88	4.90	552.4817	0.001201			4
5.06	5.08	5.10	844.8722	0.002358			5
Height Summation:			**6440.9736**				
Amount Avg CF:			**0.00285**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:00:52
Instrument : CP25--18274B
Result file : 25PCBS17257004B.097.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.207144
%SSR(DCB) : 97% (45-143) Conc.: 0.195855

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**14.01**	
3.11	3.11	3.15	671.3398	0.002763			2
+ 3.11	3.13	3.15	465.9104	0.001918			2
+ 3.11	3.14	3.15	434.6814	0.001789			2
3.23	3.26	3.27	1064.562	0.003044			3
3.43	3.45	3.47	1327.532	0.003627			4
Height Summation:			**3063.4338**				
Amount Avg CF:			**0.003145**	Linear:			
Aroclor-1221					**2**	**135.85**	
2.79	2.80	2.83	1774.01	0.010495			1
2.85	2.86	2.89	52658.57	0.521889			2
Height Summation:			**54432.58**				
Amount Avg CF:			**0.266192**	Linear:			
Aroclor-1232					**3**	**14.81**	
3.11	3.11	3.15	671.3398	0.005915			2
+ 3.11	3.13	3.15	465.9104	0.004105			2
+ 3.11	3.14	3.15	434.6814	0.00383			2
3.23	3.26	3.27	1064.562	0.006708			3
3.43	3.45	3.47	1327.532	0.00793			4
Height Summation:			**3063.4338**				
Amount Avg CF:			**0.006851**	Linear:			
Aroclor-1242					**3**	**9.11**	
3.11	3.11	3.15	671.3398	0.002359			2
+ 3.11	3.13	3.15	465.9104	0.001637			2
+ 3.11	3.14	3.15	434.6814	0.001527			2
3.23	3.26	3.27	1064.562	0.002253			3
3.43	3.45	3.47	1327.532	0.002678			4
+ 3.43	3.47	3.47	547.4988	0.001105			4
Height Summation:			**3063.4338**				
Amount Avg CF:			**0.00243**	Linear:			
Aroclor-1248					**3**	**12.73**	
3.43	3.45	3.47	1327.532	0.009043			1
3.66	3.67	3.70	4942.255	0.010633			4
3.75	3.78	3.79	2642.304	0.00831			5
Height Summation:			**8912.091**				
Amount Avg CF:			**0.009329**	Linear:			
Aroclor-1254					**2**	**60.89**	
4.25	4.28	4.29	3924.654	0.004433			1
4.48	4.48	4.51	4073.7	0.011138			4
Height Summation:			**7998.354**				
Amount Avg CF:			**0.007786**	Linear:			
Aroclor-1260					**2**	**37.62**	
4.47	4.48	4.51	4073.7	0.004901			1
4.58	4.62	4.62	5573.208	0.008454			2
Height Summation:			**9646.908**				
Amount Avg CF:			**0.006678**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAN Sample ID: AN **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 12:00:52
Instrument : CP25--18274A
Result file : 25PCBS17257004.097.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**2**	**79.55**	
5.24	5.25	5.28	447.8158	0.001286			3
5.40	5.42	5.44	132.55	0.00036			4
Height Summation:			**580.3658**				
Amount Avg CF:			**0.000823**	Linear:			
Aroclor-1262					**4**	**131.43**	
5.41	5.42	5.45	132.55	0.000258			2
5.85	5.88	5.89	301.5453	0.000387			4
+ 5.90	5.91	5.94	442.7102	0.001157			5
5.90	5.93	5.94	528.9755	0.001383			5
6.27	6.28	6.31	2602.187	0.005559			6
Height Summation:			**3565.2578**				
Amount Avg CF:			**0.001897**	Linear:			
Aroclor-1268					**5**	**134.63**	
+ 5.90	5.91	5.94	442.7102	0.000358			2
5.90	5.93	5.94	528.9755	0.000428			2
6.03	6.06	6.07	15172.91	0.012873			3
6.10	6.12	6.14	14246.12	0.046116			4
6.27	6.28	6.31	2602.187	0.005028			5
6.47	6.49	6.51	18290.37	0.004652			6
Height Summation:			**50840.5625**				
Amount Avg CF:			**0.01382**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:00:52
Instrument : CP25--18274B
Result file : 25PCBS17257004B.097.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**2**	**78.35**	
4.74	4.76	4.78	1239.121	0.001534			1
5.34	5.38	5.38	3501.963	0.005346			4
Height Summation:			**4741.084**				
Amount Avg CF:			**0.00344**	Linear:			
Aroclor-1268					**3**	**104.65**	
5.53	5.55	5.57	22613.23	0.014409			3
5.60	5.62	5.64	20679.07	0.050492			4
5.95	5.97	5.99	26317.04	0.004496			6
Height Summation:			**69609.34**				
Amount Avg CF:			**0.023132**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						14.26	4	40	
Aroclor-1221						** 42.79	3	5	
Aroclor-1232						6.62	4	10	
Aroclor-1242						8.57	4	30	
Aroclor-1248						** 60.09	4	40	
Aroclor-1254						** 92.81	4	40	
Aroclor-1260						** 156.12	4	40	
Aroclor-1262						** 57.83	4	40	
Aroclor-1268						** 50.40	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/18/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 14:16

Lab File ID: 25PCBS17257004.109.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164AF Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	40.87	40.00	2
Decachlorobiphenyl	6.65	6.61	6.67	38.07	40.24	-5
Aroclor-1016	3.21	3.19	3.23	196.79	202.00	-3
	3.43	3.41	3.45	193.13	202.00	-4
	3.55	3.52	3.56	192.56	202.00	-5
	3.76	3.74	3.78	192.91	202.00	-4
	3.82	3.79	3.83	195.75	202.00	-3
	4.01	3.99	4.03	193.99	202.00	-4
Aroclor-1260	4.99	4.97	5.01	191.87	201.64	-5
	5.20	5.17	5.21	193.19	201.64	-4
	5.27	5.24	5.28	183.02	201.64	-9
	5.43	5.40	5.44	186.75	201.64	-7
	5.66	5.64	5.68	190.68	201.64	-5
	5.86	5.84	5.88	190.32	201.64	-6

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/18/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 14:16

Lab File ID: 25PCBS17257004B.109.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164AF Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	41.42	40.00	4
Decachlorobiphenyl	6.13	6.10	6.16	38.74	40.24	-4
Aroclor-1016	2.93	2.91	2.95	203.89	202.00	1
	3.13	3.11	3.15	191.68	202.00	-5
	3.25	3.23	3.27	193.90	202.00	-4
	3.45	3.43	3.47	191.98	202.00	-5
	3.52	3.50	3.54	195.81	202.00	-3
	3.56	3.54	3.58	191.65	202.00	-5
Aroclor-1260	4.50	4.47	4.51	187.74	201.64	-7
	4.60	4.58	4.62	193.28	201.64	-4
	4.73	4.71	4.75	198.40	201.64	-2
	4.95	4.93	4.97	193.99	201.64	-4
	5.14	5.12	5.16	205.72	201.64	2
	5.40	5.38	5.42	195.02	201.64	-3

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAO Sample ID: AO **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 14:28:19
Instrument : CP25--18274A
Result file : 25PCBS17257004.110.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.203474
%SSR(DCB) : 95% (45-143) Conc.: 0.191068

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					4	35.38	
3.41	3.41	3.45	1096.234	0.005875			2
3.52	3.53	3.56	1008.857	0.0043			3
3.74	3.76	3.78	1122.535	0.00382			4
3.79	3.82	3.83	608.7349	0.002364			5
Height Summation:			3836.3609				
Amount Avg CF:			0.00409	Linear:			
Aroclor-1221					2	138.91	
3.09	3.12	3.13	291.3447	0.003065			1
3.14	3.16	3.18	30078.9	0.34144			2
Height Summation:			30370.2447				
Amount Avg CF:			0.172252	Linear:			
Aroclor-1232					4	34.52	
3.40	3.41	3.44	1096.234	0.01285			2
3.52	3.53	3.56	1008.857	0.00921			3
3.73	3.76	3.77	1122.535	0.00825			4
3.79	3.82	3.83	608.7349	0.005386			5
Height Summation:			3836.3609				
Amount Avg CF:			0.008924	Linear:			
Aroclor-1242					4	36.31	
3.41	3.41	3.45	1096.234	0.004347			2
3.52	3.53	3.56	1008.857	0.003152			3
3.74	3.76	3.78	1122.535	0.002761			4
3.80	3.82	3.84	608.7349	0.001715			5
Height Summation:			3836.3609				
Amount Avg CF:			0.002994	Linear:			
Aroclor-1248					4	61.68	
3.74	3.76	3.78	1122.535	0.009089			1
3.80	3.82	3.84	608.7349	0.004252			2
3.86	3.90	3.90	601.9645	0.002546			3
4.26	4.30	4.30	2888.274	0.011786			6
Height Summation:			5221.5084				
Amount Avg CF:			0.006918	Linear:			
Aroclor-1254					6	60.39	
4.24	4.25	4.28	777.1319	0.002929			1
4.39	4.41	4.43	518.2558	0.001144			2
4.65	4.65	4.68	2784.452	0.004415			3
4.86	4.88	4.90	421.1587	0.000916			4
5.06	5.07	5.10	1696.954	0.004736			5
5.17	5.20	5.21	1005.018	0.002013			6
Height Summation:			7202.9704				
Amount Avg CF:			0.002692	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 14:28:19
Instrument : CP25--18274B
Result file : 25PCBS17257004B.110.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 103% (53-140) Conc.: 0.206647
%SSR(DCB) : 101% (45-143) Conc.: 0.204198

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	33.37	
+ 3.11	3.12	3.15	1702.069	0.007006			2
+ 3.11	3.14	3.15	768.4926	0.003163			2
3.11	3.15	3.15	1921.998	0.007911			2
3.50	3.52	3.54	1915.519	0.004891			5
Height Summation:			3837.517				
Amount Avg CF:			0.006401	Linear:			
Aroclor-1221					1		
2.85	2.86	2.89	50967.12	0.505125			2
Height Summation:			50967.12				
Amount Avg CF:			0.505125	Linear:			
Aroclor-1232					2	29.82	
+ 3.11	3.12	3.15	1702.069	0.014997			2
+ 3.11	3.14	3.15	768.4926	0.006771			2
3.11	3.15	3.15	1921.998	0.016935			2
3.50	3.52	3.54	1915.519	0.011037			5
Height Summation:			3837.517				
Amount Avg CF:			0.013986	Linear:			
Aroclor-1242					2	41.35	
+ 3.11	3.12	3.15	1702.069	0.005981			2
+ 3.11	3.14	3.15	768.4926	0.0027			2
3.11	3.15	3.15	1921.998	0.006754			2
3.50	3.52	3.54	1915.519	0.003698			5
Height Summation:			3837.517				
Amount Avg CF:			0.005226	Linear:			
Aroclor-1248					2	2.35	
3.50	3.52	3.54	1915.519	0.008558			2
3.66	3.68	3.70	4111.746	0.008847			4
Height Summation:			6027.265				
Amount Avg CF:			0.008702	Linear:			
Aroclor-1254					1		
4.25	4.27	4.29	3473.833	0.003924			1
Height Summation:			3473.833				
Amount Avg CF:			0.003924	Linear:			
Aroclor-1260					2	69.68	
4.47	4.47	4.51	4112.178	0.004948			1
5.12	5.14	5.16	2181.005	0.001682			5
Height Summation:			6293.183				
Amount Avg CF:			0.003315	Linear:			
Aroclor-1262					2	104.99	
5.12	5.14	5.16	2181.005	0.001279			3
5.34	5.38	5.38	5665.26	0.008648			4
Height Summation:			7846.265				
Amount Avg CF:			0.004963	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKAO Sample ID: AO **Batchnumber: 1725999999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 18, 2017 14:28:19
Instrument : CP25--18274A
Result file : 25PCBS17257004.110.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					6	68.81	
4.97	5.01	5.01	2995.439	0.005142			1
5.17	5.20	5.21	1005.018	0.001396			2
5.24	5.26	5.28	753.0502	0.002162			3
5.40	5.43	5.44	1762.052	0.004785			4
5.64	5.66	5.68	820.4708	0.000802			5
5.84	5.86	5.88	1085.349	0.001722			6
Height Summation:			**8421.379**				
Amount Avg CF:			**0.002668**	Linear:			
Aroclor-1262					6	79.40	
5.25	5.26	5.29	753.0502	0.001293			1
5.41	5.43	5.45	1762.052	0.003424			2
+ 5.41	5.45	5.45	376.9708	0.000733			2
5.64	5.66	5.68	820.4708	0.000634			3
5.85	5.86	5.89	1085.349	0.001395			4
5.90	5.93	5.94	261.1358	0.000683			5
6.27	6.27	6.31	2059.372	0.0044			6
Height Summation:			**6741.4298**				
Amount Avg CF:			**0.001971**	Linear:			
Aroclor-1268					6	151.35	
5.84	5.86	5.88	1085.349	0.000769			1
5.90	5.93	5.94	261.1358	0.000211			2
6.03	6.05	6.07	13520.81	0.011471			3
6.10	6.12	6.14	12766.28	0.041326			4
6.27	6.27	6.31	2059.372	0.003979			5
6.47	6.49	6.51	17468.38	0.004443			6
Height Summation:			**47161.3268**				
Amount Avg CF:			**0.010367**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 14:28:19
Instrument : CP25--18274B
Result file : 25PCBS17257004B.110.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					3	102.66	
5.53	5.55	5.57	20392.78	0.012994			3
5.60	5.62	5.64	18673.37	0.045594			4
5.95	5.97	5.99	27196.66	0.004646			6
Height Summation:			**66262.81**				
Amount Avg CF:			**0.021078**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 44.06	4	40	
Aroclor-1221						** 98.28	3	5	
Aroclor-1232						** 44.19	4	10	
Aroclor-1242						** 54.31	4	30	
Aroclor-1248						22.84	4	40	
Aroclor-1254						37.24	4	40	
Aroclor-1260						21.62	4	40	
Aroclor-1262						** 86.29	4	40	
Aroclor-1268						** 68.13	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/20/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 0:51

Lab File ID: 25PCBS17257006.020.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164BH Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	41.03	40.00	3
Decachlorobiphenyl	6.64	6.61	6.67	39.33	40.24	-2
Aroclor-1016	3.21	3.19	3.23	201.32	202.00	0
	3.42	3.41	3.45	198.56	202.00	-2
	3.54	3.52	3.56	207.17	202.00	3
	3.75	3.74	3.78	204.18	202.00	1
	3.81	3.79	3.83	200.14	202.00	-1
	4.01	3.99	4.03	208.10	202.00	3
Aroclor-1260	4.99	4.97	5.01	204.17	201.64	1
	5.19	5.17	5.21	207.10	201.64	3
	5.26	5.24	5.28	198.99	201.64	-1
	5.42	5.40	5.44	203.54	201.64	1
	5.66	5.64	5.68	198.49	201.64	-2
	5.86	5.84	5.88	195.26	201.64	-3

Compounds 14 Average of %D: 2

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/20/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 0:51

Lab File ID: 25PCBS17257006B.020.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164BH Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	42.14	40.00	5
Decachlorobiphenyl	6.13	6.10	6.16	38.98	40.24	-3
Aroclor-1016	2.92	2.91	2.95	199.34	202.00	-1
	3.13	3.11	3.15	205.80	202.00	2
	3.25	3.23	3.27	201.34	202.00	0
	3.44	3.43	3.47	200.03	202.00	-1
	3.52	3.50	3.54	201.10	202.00	0
	3.55	3.54	3.58	202.95	202.00	0
Aroclor-1260	4.49	4.47	4.51	200.25	201.64	-1
	4.60	4.58	4.62	210.87	201.64	5
	4.72	4.71	4.75	218.50	201.64	8
	4.95	4.93	4.97	198.61	201.64	-2
	5.14	5.12	5.16	207.47	201.64	3
	5.40	5.38	5.42	201.72	201.64	0

Compounds 14 Average of %D: 2

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17**24B PIBLKCD Sample ID: CD **Batchnumber: 1726199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 20, 2017 01:02:58
Instrument : CP25--18274A
Result file : 25PCBS17257006.021.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.196525
%SSR(DCB) : 93% (45-143) Conc.: 0.187904

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**39.50**	
3.41	3.42	3.45	978.4931	0.005244			2
3.52	3.53	3.56	945.3918	0.004029			3
3.74	3.76	3.78	810.0793	0.002756			4
3.79	3.81	3.83	539.9624	0.002097			5
Height Summation:			**3273.9266**				
Amount Avg CF:			**0.003532**	Linear:			
Aroclor-1221					**1**		
3.14	3.16	3.18	30027.26	0.340854			2
Height Summation:			**30027.26**				
Amount Avg CF:			**0.340854**	Linear:			
Aroclor-1232					**4**	**38.68**	
3.40	3.42	3.44	978.4931	0.01147			2
3.52	3.53	3.56	945.3918	0.008631			3
3.73	3.76	3.77	810.0793	0.005954			4
3.79	3.81	3.83	539.9624	0.004778			5
Height Summation:			**3273.9266**				
Amount Avg CF:			**0.007708**	Linear:			
Aroclor-1242					**5**	**43.39**	
3.41	3.42	3.45	978.4931	0.00388			2
3.52	3.53	3.56	945.3918	0.002954			3
3.74	3.76	3.78	810.0793	0.001992			4
3.80	3.81	3.84	539.9624	0.001521			5
3.99	4.03	4.03	391.359	0.001505			6
Height Summation:			**3665.2856**				
Amount Avg CF:			**0.002371**	Linear:			
Aroclor-1248					**4**	**99.57**	
3.74	3.76	3.78	810.0793	0.006559			1
3.80	3.81	3.84	539.9624	0.003772			2
4.08	4.10	4.12	441.2997	0.001841			5
4.26	4.29	4.30	4699.604	0.019177			6
Height Summation:			**6490.9454**				
Amount Avg CF:			**0.007837**	Linear:			
Aroclor-1254					**3**	**26.75**	
4.24	4.25	4.28	920.2399	0.003468			1
4.39	4.41	4.43	902.0941	0.001992			2
5.06	5.07	5.10	1023.919	0.002858			5
Height Summation:			**2846.253**				
Amount Avg CF:			**0.002773**	Linear:			
Aroclor-1260					**3**	**119.86**	
+ 4.97	4.97	5.01	381.3266	0.000655			1
4.97	5.01	5.01	5761.546	0.00989			1
5.40	5.43	5.44	320.0216	0.000869			4
+ 5.84	5.84	5.88	302.2301	0.000479			6
5.84	5.86	5.88	1079.358	0.001712			6
Height Summation:			**7160.9256**				
Amount Avg CF:			**0.004157**	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 01:02:58
Instrument : CP25--18274B
Result file : 25PCBS17257006B.021.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.204038
%SSR(DCB) : 102% (45-143) Conc.: 0.205775

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**2**	**11.79**	
3.11	3.14	3.15	755.2577	0.003109			2
+ 3.43	3.45	3.47	762.2773	0.002083			4
3.43	3.46	3.47	962.7645	0.00263			4
Height Summation:			**1718.0222**				
Amount Avg CF:			**0.002869**	Linear:			
Aroclor-1221					**2**	**133.49**	
2.79	2.83	2.83	2612.081	0.015453			1
2.85	2.86	2.89	54041.95	0.5356			2
Height Summation:			**56654.031**				
Amount Avg CF:			**0.275526**	Linear:			
Aroclor-1232					**2**	**25.76**	
3.11	3.11	3.15	943.3909	0.008312			2
+ 3.11	3.14	3.15	755.2577	0.006655			2
+ 3.43	3.45	3.47	762.2773	0.004553			4
3.43	3.46	3.47	962.7645	0.005751			4
Height Summation:			**1906.1554**				
Amount Avg CF:			**0.007032**	Linear:			
Aroclor-1242					**2**	**21.89**	
3.11	3.14	3.15	755.2577	0.002654			2
+ 3.43	3.45	3.47	762.2773	0.001538			4
3.43	3.46	3.47	962.7645	0.001942			4
Height Summation:			**1718.0222**				
Amount Avg CF:			**0.002298**	Linear:			
Aroclor-1248					**2**	**8.86**	
+ 3.43	3.45	3.47	762.2773	0.005192			1
3.43	3.46	3.47	962.7645	0.006558			1
3.66	3.67	3.70	3455.517	0.007435			4
Height Summation:			**4418.2815**				
Amount Avg CF:			**0.006996**	Linear:			
Aroclor-1254					**1**		
4.25	4.25	4.29	1485.007	0.001677			1
Height Summation:			**1485.007**				
Amount Avg CF:			**0.001677**	Linear:			
Aroclor-1260					**2**	**9.07**	
4.47	4.47	4.51	7601.898	0.009146			1
4.58	4.62	4.62	5303.095	0.008044			2
Height Summation:			**12904.993**				
Amount Avg CF:			**0.008595**	Linear:			
Aroclor-1262					**2**	**23.47**	
4.74	4.75	4.78	2422.804	0.003			1
+ 5.34	5.34	5.38	2128.492	0.003249			4
5.34	5.37	5.38	2747.23	0.004194			4
Height Summation:			**5170.034**				
Amount Avg CF:			**0.003597**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCD Sample ID: CD **Batchnumber: 1726199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 20, 2017 01:02:58
Instrument : CP25--18274A
Result file : 25PCBS17257006.021.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1262					**4**	**125.72**	
+ 5.41	5.43	5.45	320.0216	0.000622			2
5.41	5.45	5.45	336.7742	0.000655			2
5.64	5.68	5.68	12055.28	0.009316			3
5.85	5.86	5.89	1079.358	0.001387			4
5.90	5.92	5.94	611.1842	0.001597			5

Height Summation: **14082.5964**
Amount Avg CF: **0.003239** Linear:

Aroclor-1268					**6**	**153.27**	
+ 5.84	5.84	5.88	302.2301	0.000214			1
5.84	5.86	5.88	1079.358	0.000765			1
5.90	5.92	5.94	611.1842	0.000495			2
6.03	6.05	6.07	18632.35	0.015808			3
6.10	6.12	6.14	19171.47	0.06206			4
6.27	6.27	6.31	4038.135	0.007802			5
6.47	6.49	6.51	20745.16	0.005277			6

Height Summation: **64277.6572**
Amount Avg CF: **0.015368** Linear:

Analysis Report (B)

Injected on : Sep 20, 2017 01:02:58
Instrument : CP25--18274B
Result file : 25PCBS17257006B.021.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**134.68**	
5.33	5.34	5.37	2128.492	0.001115			1
5.53	5.55	5.57	28244.78	0.017997			3
5.60	5.62	5.64	28705.75	0.07009			4
5.95	5.97	5.99	30778.58	0.005258			6

Height Summation: **89857.602**
Amount Avg CF: **0.023615** Linear:

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						20.69	4	40	
Aroclor-1221						21.20	3	5	
Aroclor-1232						9.18	4	10	
Aroclor-1242						3.10	4	30	
Aroclor-1248						11.34	4	40	
Aroclor-1254						** 49.22	4	40	
Aroclor-1260						** 69.61	4	40	
Aroclor-1262						10.48	4	40	
Aroclor-1268						** 42.31	4	40	

Units: ug/kg

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/20/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 3:07

Lab File ID: 25PCBS17257006.032.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164BI Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	41.17	40.00	3
Decachlorobiphenyl	6.64	6.61	6.67	38.91	40.24	-3
Aroclor-1016	3.21	3.19	3.23	204.11	202.00	1
	3.42	3.41	3.45	204.78	202.00	1
	3.54	3.52	3.56	198.42	202.00	-2
	3.75	3.74	3.78	191.10	202.00	-5
	3.81	3.79	3.83	199.29	202.00	-1
	4.01	3.99	4.03	190.30	202.00	-6
Aroclor-1260	4.99	4.97	5.01	194.30	201.64	-4
	5.19	5.17	5.21	197.28	201.64	-2
	5.26	5.24	5.28	199.28	201.64	-1
	5.42	5.40	5.44	191.79	201.64	-5
	5.66	5.64	5.68	197.86	201.64	-2
	5.86	5.84	5.88	198.29	201.64	-2

Compounds 14 Average of %D: 3

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/20/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 3:07

Lab File ID: 25PCBS17257006B.032.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164BI Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	41.01	40.00	3
Decachlorobiphenyl	6.13	6.10	6.16	41.61	40.24	3
Aroclor-1016	2.92	2.91	2.95	200.04	202.00	-1
	3.13	3.11	3.15	190.36	202.00	-6
	3.25	3.23	3.27	201.80	202.00	0
	3.44	3.43	3.47	193.04	202.00	-4
	3.52	3.50	3.54	197.01	202.00	-2
	3.55	3.54	3.58	196.04	202.00	-3
Aroclor-1260	4.49	4.47	4.51	197.44	201.64	-2
	4.60	4.58	4.62	198.22	201.64	-2
	4.72	4.71	4.75	201.03	201.64	0
	4.95	4.93	4.97	192.29	201.64	-5
	5.14	5.12	5.16	204.03	201.64	1
	5.40	5.38	5.42	212.82	201.64	6

Compounds 14 Average of %D: 3

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKCE Sample ID: CE **Batchnumber: 1726199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 20, 2017 03:18:44
Instrument : CP25--18274A
Result file : 25PCBS17257006.033.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (53-140) Conc.: 0.197436
%SSR(DCB) : 99% (45-143) Conc.: 0.19911

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**29.12**	
3.19	3.22	3.23	931.2616	0.005019			1
3.41	3.42	3.45	841.1283	0.004508			2
3.52	3.53	3.56	1963.929	0.00837			3
3.79	3.81	3.83	1132.156	0.004397			5
3.99	4.02	4.03	1095.616	0.005747			6
Height Summation:			**5964.0909**				
Amount Avg CF:			**0.005608**	Linear:			
Aroclor-1221					**2**	**138.47**	
3.14	3.15	3.18	29509.55	0.334977			2
3.19	3.22	3.23	931.2616	0.003538			3
Height Summation:			**30440.8116**				
Amount Avg CF:			**0.169257**	Linear:			
Aroclor-1232					**5**	**45.63**	
3.19	3.22	3.23	931.2616	0.004231			1
3.40	3.42	3.44	841.1283	0.00986			2
3.52	3.53	3.56	1963.929	0.01793			3
3.79	3.81	3.83	1132.156	0.010017			5
3.99	4.02	4.03	1095.616	0.013838			6
Height Summation:			**5964.0909**				
Amount Avg CF:			**0.011175**	Linear:			
Aroclor-1242					**5**	**29.61**	
3.19	3.22	3.23	931.2616	0.003565			1
3.41	3.42	3.45	841.1283	0.003335			2
3.52	3.53	3.56	1963.929	0.006137			3
3.80	3.81	3.84	1132.156	0.00319			5
3.99	4.02	4.03	1095.616	0.004214			6
Height Summation:			**5964.0909**				
Amount Avg CF:			**0.004088**	Linear:			
Aroclor-1248					**5**	**92.24**	
3.80	3.81	3.84	1132.156	0.007908			2
3.86	3.88	3.90	1397.42	0.005911			3
3.99	4.02	4.03	1095.616	0.004055			4
4.08	4.09	4.12	804.27	0.003355			5
4.26	4.29	4.30	5687.099	0.023206			6
Height Summation:			**10116.561**				
Amount Avg CF:			**0.008887**	Linear:			
Aroclor-1254					**4**	**69.11**	
4.24	4.25	4.28	1613.944	0.006083			1
4.39	4.40	4.43	999.3531	0.002207			2
5.06	5.07	5.10	2288.132	0.006386			5
+ 5.06	5.09	5.10	1209.233	0.003375			5
5.17	5.19	5.21	511.8162	0.001025			6
Height Summation:			**5413.2453**				
Amount Avg CF:			**0.003925**	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 03:18:44
Instrument : CP25--18274B
Result file : 25PCBS17257006B.033.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 101% (53-140) Conc.: 0.204052
%SSR(DCB) : 99% (45-143) Conc.: 0.199199

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**47.34**	
2.91	2.93	2.95	1579.848	0.005354			1
3.11	3.11	3.15	1979.927	0.008149			2
+ 3.11	3.14	3.15	1049.01	0.004318			2
+ 3.11	3.15	3.15	705.4028	0.002903			2
3.23	3.26	3.27	1661.037	0.00475			3
3.43	3.44	3.47	869.0235	0.002374			4
3.54	3.56	3.58	2555.787	0.009614			6
Height Summation:			**8645.6225**				
Amount Avg CF:			**0.006048**	Linear:			
Aroclor-1221					**2**	**139.35**	
2.85	2.86	2.89	52291.82	0.518254			2
2.91	2.93	2.95	1579.848	0.00383			3
Height Summation:			**53871.668**				
Amount Avg CF:			**0.261042**	Linear:			
Aroclor-1232					**5**	**68.66**	
2.91	2.93	2.95	1579.848	0.004606			1
3.11	3.11	3.15	1979.927	0.017445			2
+ 3.11	3.14	3.15	1049.01	0.009243			2
+ 3.11	3.15	3.15	705.4028	0.006215			2
3.23	3.26	3.27	1661.037	0.010467			3
3.43	3.44	3.47	869.0235	0.005191			4
3.53	3.56	3.57	2555.787	0.024744			6
Height Summation:			**8645.6225**				
Amount Avg CF:			**0.012491**	Linear:			
Aroclor-1242					**5**	**52.12**	
2.91	2.93	2.95	1579.848	0.003929			1
3.11	3.11	3.15	1979.927	0.006957			2
+ 3.11	3.14	3.15	1049.01	0.003686			2
+ 3.11	3.15	3.15	705.4028	0.002479			2
3.23	3.26	3.27	1661.037	0.003516			3
3.43	3.44	3.47	869.0235	0.001753			4
3.54	3.56	3.58	2555.787	0.007695			6
Height Summation:			**8645.6225**				
Amount Avg CF:			**0.00477**	Linear:			
Aroclor-1248					**3**	**14.75**	
3.43	3.44	3.47	869.0235	0.00592			1
3.54	3.56	3.58	2555.787	0.006818			3
3.89	3.92	3.93	4610.619	0.007949			6
Height Summation:			**8035.4295**				
Amount Avg CF:			**0.006896**	Linear:			
Aroclor-1254					**2**	**70.60**	
4.25	4.27	4.29	1795.469	0.002028			1
4.71	4.71	4.75	4133.626	0.006072			6
Height Summation:			**5929.095**				
Amount Avg CF:			**0.00405**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **IBLKX17** 24B PIBLKCE Sample ID: CE **Batchnumber: 1726199999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 20, 2017 03:18:44
Instrument : CP25--18274A
Result file : 25PCBS17257006.033.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**134.62**	
+ 4.97	4.97	5.01	359.438	0.000617			1
4.97	5.00	5.01	5671.959	0.009736			1
5.17	5.19	5.21	511.8162	0.000711			2
5.40	5.44	5.44	440.2943	0.001196			4
5.84	5.86	5.88	800.4291	0.00127			6
Height Summation:			**7424.4986**				
Amount Avg CF:			**0.003228**	Linear:			
Aroclor-1262					**4**	**127.74**	
5.41	5.44	5.45	440.2943	0.000856			2
5.64	5.68	5.68	10876.88	0.008405			3
5.85	5.86	5.89	800.4291	0.001029			4
5.90	5.90	5.94	477.1555	0.001247			5
Height Summation:			**12594.7589**				
Amount Avg CF:			**0.002884**	Linear:			
Aroclor-1268					**6**	**150.05**	
5.84	5.86	5.88	800.4291	0.000567			1
5.90	5.90	5.94	477.1555	0.000386			2
6.03	6.05	6.07	16053.69	0.01362			3
6.10	6.11	6.14	17097.75	0.055348			4
6.27	6.27	6.31	4615.321	0.008917			5
6.47	6.49	6.51	18779.62	0.004777			6
Height Summation:			**57823.9656**				
Amount Avg CF:			**0.013936**	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 03:18:44
Instrument : CP25--18274B
Result file : 25PCBS17257006B.033.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**3**	**13.92**	
4.58	4.61	4.62	4484.921	0.006803			2
4.71	4.71	4.75	4133.626	0.005144			3
5.38	5.41	5.42	5347.723	0.005934			6
Height Summation:			**13966.27**				
Amount Avg CF:			**0.00596**	Linear:			
Aroclor-1262					**2**	**107.02**	
5.34	5.37	5.38	22129.92	0.03378			4
5.38	5.41	5.42	5347.723	0.004677			5
Height Summation:			**27477.643**				
Amount Avg CF:			**0.019229**	Linear:			
Aroclor-1268					**5**	**120.88**	
5.33	5.37	5.37	22129.92	0.011596			1
5.38	5.41	5.42	5347.723	0.002856			2
5.53	5.55	5.57	24717.83	0.01575			3
5.60	5.62	5.64	23449.33	0.057256			4
5.95	5.97	5.99	28062.35	0.004794			6
Height Summation:			**103707.153**				
Amount Avg CF:			**0.01845**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						7.55	4	40	
Aroclor-1221						** 42.66	3	5	
Aroclor-1232						11.12	4	10	
Aroclor-1242						15.40	4	30	
Aroclor-1248						25.23	4	40	
Aroclor-1254						3.13	4	40	
Aroclor-1260						** 59.47	4	40	
Aroclor-1262						** 147.83	4	40	
Aroclor-1268						27.88	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/21/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 21:18

Lab File ID: 25PCBS17257007.005.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164BX Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	43.64	40.00	9
Decachlorobiphenyl	6.65	6.61	6.67	38.80	40.24	-4
Aroclor-1016	3.21	3.19	3.23	205.42	202.00	2
	3.43	3.41	3.45	195.77	202.00	-3
	3.54	3.52	3.56	197.15	202.00	-2
	3.76	3.74	3.78	195.97	202.00	-3
	3.82	3.79	3.83	198.44	202.00	-2
	4.01	3.99	4.03	184.07	202.00	-9
Aroclor-1260	4.99	4.97	5.01	187.30	201.64	-7
	5.20	5.17	5.21	196.31	201.64	-3
	5.26	5.24	5.28	191.52	201.64	-5
	5.42	5.40	5.44	192.21	201.64	-5
	5.66	5.64	5.68	190.76	201.64	-5
	5.86	5.84	5.88	189.88	201.64	-6

Compounds 14 Average of %D: 5

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/21/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 21:18

Lab File ID: 25PCBS17257007B.005.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164BX Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	43.34	40.00	8
Decachlorobiphenyl	6.13	6.10	6.16	39.28	40.24	-2
Aroclor-1016	2.92	2.91	2.95	206.58	202.00	2
	3.13	3.11	3.15	201.78	202.00	0
	3.25	3.23	3.27	198.75	202.00	-2
	3.45	3.43	3.47	188.54	202.00	-7
	3.52	3.50	3.54	189.55	202.00	-6
	3.56	3.54	3.58	192.28	202.00	-5
Aroclor-1260	4.50	4.47	4.51	188.73	201.64	-6
	4.60	4.58	4.62	196.69	201.64	-2
	4.73	4.71	4.75	194.18	201.64	-4
	4.95	4.93	4.97	186.08	201.64	-8
	5.14	5.12	5.16	193.52	201.64	-4
	5.40	5.38	5.42	201.77	201.64	0

Compounds 14 Average of %D: 4

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCV Sample ID: CV **Batchnumber: 1726399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 21, 2017 21:29:38
Instrument : CP25--18274A
Result file : 25PCBS17257007.006.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 115% (53-140) Conc.: 0.232655
%SSR(DCB) : 92% (45-143) Conc.: 0.186376

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**44.04**	
3.19	3.22	3.23	1098.902	0.005922			1
3.41	3.41	3.45	709.0048	0.0038			2
3.52	3.53	3.56	1753.815	0.007475			3
3.74	3.74	3.78	537.5114	0.001829			4
3.79	3.81	3.83	1421.714	0.005522			5
Height Summation:			**5520.9472**				
Amount Avg CF:			**0.00491**	Linear:			
Aroclor-1221					**3**	**166.66**	
3.09	3.12	3.13	541.584	0.005697			1
3.14	3.16	3.18	33655.02	0.382034			2
3.19	3.22	3.23	1098.902	0.004175			3
Height Summation:			**35295.506**				
Amount Avg CF:			**0.130635**	Linear:			
Aroclor-1232					**5**	**55.57**	
3.19	3.22	3.23	1098.902	0.004993			1
3.40	3.41	3.44	709.0048	0.008311			2
3.52	3.53	3.56	1753.815	0.016011			3
3.73	3.74	3.77	537.5114	0.003951			4
3.79	3.81	3.83	1421.714	0.012579			5
Height Summation:			**5520.9472**				
Amount Avg CF:			**0.009169**	Linear:			
Aroclor-1242					**5**	**44.07**	
3.19	3.22	3.23	1098.902	0.004207			1
3.41	3.41	3.45	709.0048	0.002811			2
3.52	3.53	3.56	1753.815	0.00548			3
3.74	3.74	3.78	537.5114	0.001322			4
3.80	3.81	3.84	1421.714	0.004006			5
Height Summation:			**5520.9472**				
Amount Avg CF:			**0.003565**	Linear:			
Aroclor-1248					**4**	**39.96**	
3.74	3.74	3.78	537.5114	0.004352			1
3.80	3.81	3.84	1421.714	0.009931			2
3.86	3.88	3.90	1433.097	0.006062			3
4.08	4.10	4.12	1169.85	0.004881			5
Height Summation:			**4562.1724**				
Amount Avg CF:			**0.006306**	Linear:			
Aroclor-1254					**5**	**69.87**	
4.24	4.25	4.28	1588.08	0.005985			1
4.39	4.40	4.43	1620.53	0.003578			2
4.65	4.65	4.68	6046.549	0.009588			3
4.86	4.88	4.90	553.9698	0.001205			4
5.06	5.08	5.10	1039.018	0.0029			5
Height Summation:			**10848.1468**				
Amount Avg CF:			**0.004651**	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 21:29:38
Instrument : CP25--18274B
Result file : 25PCBS17257007B.006.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 118% (53-140) Conc.: 0.237249
%SSR(DCB) : 93% (45-143) Conc.: 0.188492

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**3**	**35.50**	
3.11	3.15	3.15	1098.081	0.00452			2
3.23	3.26	3.27	1095.821	0.003134			3
3.50	3.51	3.54	2529.512	0.006458			5
Height Summation:			**4723.414**				
Amount Avg CF:			**0.004704**	Linear:			
Aroclor-1221					**1**		
2.85	2.86	2.89	59082.49	0.585555			2
Height Summation:			**59082.49**				
Amount Avg CF:			**0.585555**	Linear:			
Aroclor-1232					**3**	**37.40**	
3.11	3.15	3.15	1098.081	0.009675			2
3.23	3.26	3.27	1095.821	0.006905			3
3.50	3.51	3.54	2529.512	0.014575			5
Height Summation:			**4723.414**				
Amount Avg CF:			**0.010385**	Linear:			
Aroclor-1242					**3**	**35.00**	
3.11	3.15	3.15	1098.081	0.003859			2
3.23	3.26	3.27	1095.821	0.002319			3
3.50	3.51	3.54	2529.512	0.004883			5
Height Summation:			**4723.414**				
Amount Avg CF:			**0.003687**	Linear:			
Aroclor-1248					**2**	**30.82**	
3.50	3.51	3.54	2529.512	0.011301			2
3.66	3.67	3.70	3372.597	0.007256			4
Height Summation:			**5902.109**				
Amount Avg CF:			**0.009278**	Linear:			
Aroclor-1254					**1**		
4.25	4.27	4.29	2273.63	0.002568			1
Height Summation:			**2273.63**				
Amount Avg CF:			**0.002568**	Linear:			
Aroclor-1260					**2**	**48.44**	
4.58	4.62	4.62	4986.935	0.007564			2
5.38	5.38	5.42	3338.989	0.003705			6
Height Summation:			**8325.924**				
Amount Avg CF:			**0.005635**	Linear:			
Aroclor-1262					**2**	**16.55**	
4.74	4.75	4.78	1810.442	0.002242			1
5.76	5.79	5.80	1791.911	0.002836			6
Height Summation:			**3602.353**				
Amount Avg CF:			**0.002539**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCV Sample ID: CV **Batchnumber: 1726399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 21, 2017 21:29:38
Instrument : CP25--18274A
Result file : 25PCBS17257007.006.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260					**4**	**136.75**	
4.97	5.01	5.01	6374.674	0.010942			1
5.24	5.28	5.28	372.3339	0.001069			3
5.40	5.42	5.44	490.3275	0.001332			4
5.84	5.86	5.88	633.918	0.001006			6
Height Summation:			**7871.2534**				
Amount Avg CF:			**0.003587**	Linear:			
Aroclor-1262					**5**	**142.95**	
5.25	5.28	5.29	372.3339	0.00064			1
5.41	5.42	5.45	490.3275	0.000953			2
+ 5.41	5.45	5.45	256.0427	0.000498			2
5.85	5.86	5.89	633.918	0.000815			4
5.90	5.92	5.94	528.7663	0.001382			5
6.27	6.28	6.31	4342.913	0.009278			6
Height Summation:			**6368.2587**				
Amount Avg CF:			**0.002613**	Linear:			
Aroclor-1268					**6**	**142.50**	
5.84	5.86	5.88	633.918	0.000449			1
5.90	5.92	5.94	528.7663	0.000428			2
6.03	6.05	6.07	14117.26	0.011977			3
6.10	6.12	6.14	14038.89	0.045446			4
6.27	6.28	6.31	4342.913	0.008391			5
6.47	6.49	6.51	19535.25	0.004969			6
Height Summation:			**53196.9973**				
Amount Avg CF:			**0.011943**	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 21:29:38
Instrument : CP25--18274B
Result file : 25PCBS17257007B.006.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**5**	**139.13**	
5.38	5.38	5.42	3338.989	0.001783			2
5.53	5.55	5.57	20579.28	0.013113			3
5.60	5.62	5.64	20097.27	0.049071			4
5.75	5.79	5.79	1791.911	0.00253			5
5.95	5.97	5.99	30091.74	0.005141			6
Height Summation:			**75899.19**				
Amount Avg CF:			**0.014328**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						4.28	4	40	
Aroclor-1221						** 127.04	3	5	
Aroclor-1232						12.44	4	10	
Aroclor-1242						3.36	4	30	
Aroclor-1248						38.14	4	40	
Aroclor-1254						** 57.70	4	40	
Aroclor-1260						** 44.41	4	40	
Aroclor-1262						2.90	4	40	
Aroclor-1268						18.15	4	40	

Units: ug/kg

7E
CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274A Date Analyzed: 09/21/17

GC Column (1) : MR-1 ID: .32 (mm) Time Analyzed: 23:12

Lab File ID: 25PCBS17257007.015.RAW Initial Calibration: 25PCBS1725702

Lab Standard ID: AR164CB Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.96	2.93	2.99	42.68	40.00	7
Decachlorobiphenyl	6.64	6.61	6.67	38.55	40.24	-4
Aroclor-1016	3.21	3.19	3.23	203.91	202.00	1
	3.42	3.41	3.45	196.74	202.00	-3
	3.54	3.52	3.56	198.49	202.00	-2
	3.76	3.74	3.78	204.95	202.00	1
	3.81	3.79	3.83	201.08	202.00	0
	4.01	3.99	4.03	196.07	202.00	-3
Aroclor-1260	4.99	4.97	5.01	193.95	201.64	-4
	5.19	5.17	5.21	200.66	201.64	0
	5.26	5.24	5.28	199.04	201.64	-1
	5.42	5.40	5.44	197.31	201.64	-2
	5.66	5.64	5.68	199.78	201.64	-1
	5.86	5.84	5.88	196.34	201.64	-3

Compounds 14 Average of %D: 2

7E

CALIBRATION VERIFICATION SUMMARY

Lab Name: Lancaster Laboratories Contract:

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

Instrument: 18274B Date Analyzed: 09/21/17

GC Column (2) : MR-2 ID: .32 (mm) Time Analyzed: 23:12

Lab File ID: 25PCBS17257007B.015.RAW Initial Calibration: 25PCBS1725702B

Lab Standard ID: AR164CB Init. Calib Date(s): 09/14/17 09/15/17

Calibration: 25PCBS1725702B

COMPOUND	RT	RT WINDOW FROM	TO	CALC AMOUNT	NOM AMOUNT	%D
Tetrachloro-m-xylene	2.64	2.61	2.67	41.35	40.00	3
Decachlorobiphenyl	6.13	6.10	6.16	39.33	40.24	-2
Aroclor-1016	2.92	2.91	2.95	200.66	202.00	-1
	3.13	3.11	3.15	207.89	202.00	3
	3.25	3.23	3.27	200.56	202.00	-1
	3.44	3.43	3.47	204.07	202.00	1
	3.52	3.50	3.54	200.68	202.00	-1
	3.55	3.54	3.58	200.14	202.00	-1
Aroclor-1260	4.49	4.47	4.51	202.37	201.64	0
	4.60	4.58	4.62	198.05	201.64	-2
	4.73	4.71	4.75	203.24	201.64	1
	4.95	4.93	4.97	196.73	201.64	-2
	5.14	5.12	5.16	203.38	201.64	1
	5.40	5.38	5.42	201.33	201.64	0

Compounds 14 Average of %D: 1

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCZ Sample ID: CZ **Batchnumber: 1726399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 21, 2017 23:23:22
Instrument : CP25--18274A
Result file : 25PCBS17257007.016.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 104% (53-140) Conc.: 0.210348
%SSR(DCB) : 96% (45-143) Conc.: 0.194592

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	39.17	
3.19	3.22	3.23	972.2679	0.00524			1
3.41	3.41	3.45	760.7688	0.004077			2
3.52	3.53	3.56	2127.664	0.009068			3
3.74	3.74	3.78	884.3958	0.003009			4
+ 3.74	3.75	3.78	696.5981	0.00237			4
3.79	3.81	3.83	1232.868	0.004789			5
3.99	4.02	4.03	1021.733	0.00536			6
Height Summation:			6999.6975				
Amount Avg CF:			0.005257	Linear:			
Aroclor-1221					2	138.49	
3.14	3.16	3.18	31050.07	0.352464			2
3.19	3.22	3.23	972.2679	0.003694			3
Height Summation:			32022.3379				
Amount Avg CF:			0.178079	Linear:			
Aroclor-1232					6	50.53	
3.19	3.22	3.23	972.2679	0.004417			1
3.40	3.41	3.44	760.7688	0.008918			2
3.52	3.53	3.56	2127.664	0.019424			3
3.73	3.74	3.77	884.3958	0.0065			4
+ 3.73	3.75	3.77	696.5981	0.00512			4
3.79	3.81	3.83	1232.868	0.010908			5
3.99	4.02	4.03	1021.733	0.012905			6
Height Summation:			6999.6975				
Amount Avg CF:			0.010512	Linear:			
Aroclor-1242					6	43.32	
3.19	3.22	3.23	972.2679	0.003722			1
3.41	3.41	3.45	760.7688	0.003017			2
3.52	3.53	3.56	2127.664	0.006648			3
3.74	3.75	3.78	696.5981	0.001713			4
3.80	3.81	3.84	1232.868	0.003474			5
3.99	4.02	4.03	1021.733	0.00393			6
Height Summation:			6811.8998				
Amount Avg CF:			0.003751	Linear:			
Aroclor-1248					6	99.74	
3.74	3.74	3.78	884.3958	0.007161			1
+ 3.74	3.75	3.78	696.5981	0.00564			1
3.80	3.81	3.84	1232.868	0.008612			2
3.86	3.88	3.90	831.3392	0.003516			3
3.99	4.02	4.03	1021.733	0.003782			4
4.08	4.09	4.12	1347.634	0.005622			5
4.26	4.29	4.30	6997.338	0.028553			6
Height Summation:			12315.308				
Amount Avg CF:			0.009541	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 23:23:22
Instrument : CP25--18274B
Result file : 25PCBS17257007B.016.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 106% (53-140) Conc.: 0.21377
%SSR(DCB) : 94% (45-143) Conc.: 0.190026

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					2	77.24	
3.11	3.11	3.15	3032.129	0.01248			2
+ 3.11	3.14	3.15	1541.925	0.006346			2
+ 3.11	3.15	3.15	829.7839	0.003415			2
3.23	3.25	3.27	1281.011	0.003663			3
Height Summation:			4313.14				
Amount Avg CF:			0.008072	Linear:			
Aroclor-1221					1		
2.85	2.86	2.89	57044.2	0.565354			2
Height Summation:			57044.2				
Amount Avg CF:			0.565354	Linear:			
Aroclor-1232					2	75.79	
3.11	3.11	3.15	3032.129	0.026717			2
+ 3.11	3.14	3.15	1541.925	0.013586			2
+ 3.11	3.15	3.15	829.7839	0.007311			2
3.23	3.25	3.27	1281.011	0.008072			3
Height Summation:			4313.14				
Amount Avg CF:			0.017394	Linear:			
Aroclor-1242					2	84.05	
3.11	3.11	3.15	3032.129	0.010655			2
+ 3.11	3.14	3.15	1541.925	0.005418			2
+ 3.11	3.15	3.15	829.7839	0.002916			2
3.23	3.25	3.27	1281.011	0.002711			3
Height Summation:			4313.14				
Amount Avg CF:			0.006683	Linear:			
Aroclor-1248					2	55.77	
3.66	3.69	3.70	1764.32	0.003796			4
3.89	3.92	3.93	5068.497	0.008739			6
Height Summation:			6832.817				
Amount Avg CF:			0.006267	Linear:			
Aroclor-1254					1		
4.25	4.27	4.29	2216.246	0.002503			1
Height Summation:			2216.246				
Amount Avg CF:			0.002503	Linear:			
Aroclor-1260					1		
4.58	4.62	4.62	4204.143	0.006377			2
Height Summation:			4204.143				
Amount Avg CF:			0.006377	Linear:			
Aroclor-1262					2	102.50	
4.74	4.77	4.78	711.9988	0.000882			1
5.34	5.35	5.38	3619.005	0.005524			4
Height Summation:			4331.0038				
Amount Avg CF:			0.003203	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCZ Sample ID: CZ **Batchnumber: 1726399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 21, 2017 23:23:22
Instrument : CP25--18274A
Result file : 25PCBS17257007.016.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**5**	**86.14**	
4.24	4.24	4.28	1628.573	0.006138			1
4.39	4.40	4.43	985.8521	0.002177			2
+ 4.39	4.43	4.43	480.4138	0.001061			2
4.86	4.87	4.90	614.5084	0.001336			4
5.06	5.07	5.10	640.8065	0.001789			5
5.17	5.19	5.21	423.0695	0.000847			6
Height Summation:			**4292.8095**				
Amount Avg CF:			**0.002457**	Linear:			
Aroclor-1260					**5**	**159.43**	
4.97	5.00	5.01	7515.158	0.0129			1
5.17	5.19	5.21	423.0695	0.000588			2
5.24	5.26	5.28	352.3719	0.001012			3
5.40	5.44	5.44	450.8975	0.001224			4
5.84	5.86	5.88	651.2815	0.001033			6
Height Summation:			**9392.7784**				
Amount Avg CF:			**0.003351**	Linear:			
Aroclor-1262					**6**	**124.81**	
5.25	5.26	5.29	352.3719	0.000605			1
5.41	5.44	5.45	450.8975	0.000876			2
5.64	5.68	5.68	10851.71	0.008386			3
5.85	5.86	5.89	651.2815	0.000837			4
5.90	5.93	5.94	457.0799	0.001195			5
6.27	6.27	6.31	5712.722	0.012205			6
Height Summation:			**18476.0628**				
Amount Avg CF:			**0.004017**	Linear:			
Aroclor-1268					**6**	**133.18**	
5.84	5.86	5.88	651.2815	0.000462			1
5.90	5.93	5.94	457.0799	0.00037			2
6.03	6.05	6.07	13494.05	0.011449			3
6.10	6.11	6.14	12688.08	0.041073			4
6.27	6.27	6.31	5712.722	0.011038			5
6.47	6.49	6.51	17721.69	0.004508			6
Height Summation:			**50724.9034**				
Amount Avg CF:			**0.011483**	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 23:23:22
Instrument : CP25--18274B
Result file : 25PCBS17257007B.016.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1268					**4**	**122.02**	
5.33	5.35	5.37	3619.005	0.001896			1
5.53	5.55	5.57	19706.46	0.012557			3
5.60	5.62	5.64	17933.95	0.043789			4
5.95	5.97	5.99	27968.16	0.004778			6
Height Summation:			**69227.575**				
Amount Avg CF:			**0.015755**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						** 42.23	4	40	
Aroclor-1221						** 104.19	3	5	
Aroclor-1232						** 49.32	4	10	
Aroclor-1242						** 56.21	4	30	
Aroclor-1248						** 41.41	4	40	
Aroclor-1254						1.86	4	40	
Aroclor-1260						** 62.21	4	40	
Aroclor-1262						22.56	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: IBLKX17 24B PIBLKCZ Sample ID: CZ **Batchnumber: 1726399999**
Sample Amount: 1000 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on	: Sep 21, 2017 23:23:22
Instrument	: CP25--18274A
Result file	: 25PCBS17257007.016.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 21, 2017 23:23:22
Instrument	: CP25--18274B
Result file	: 25PCBS17257007B.016.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268						31.37	4	40	

Units: ug/kg

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17257002
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17257002.001	CONDITIONER		9/14/17 15:48	1725699999	1.00
2855	25PCBS17257002.002	CONDITIONER		9/14/17 16:00	1725699999	1.00
2855	25PCBS17257002.003	CONDITIONER		9/14/17 16:11	1725699999	1.00
2855	25PCBS17257002.004	CONDITIONER		9/14/17 16:22	1725699999	1.00
2855	25PCBS17257002.005	IBLKX1724B	PIBLKAA	9/14/17 16:33	1725699999	10.00
2855	25PCBS17257002.006	EVALX1724A	EVALXAA	9/14/17 16:45	1725699999	1.00
2855	25PCBS17257002.007	AR1611724B	AR161AA	9/14/17 16:57	1725699999	1.00
2855	25PCBS17257002.008	AR1621724B	AR162AA	9/14/17 17:08	1725699999	1.00
2855	25PCBS17257002.009	AR1631724B	AR163AA	9/14/17 17:19	1725699999	1.00
2855	25PCBS17257002.010	AR1641724B	AR164AA	9/14/17 17:30	1725699999	1.00
2855	25PCBS17257002.011	AR1651724B	AR165AA	9/14/17 17:42	1725699999	1.00
2855	25PCBS17257002.012	AR1661724A	AR166AA	9/14/17 17:53	1725699999	1.00
2855	25PCBS17257002.013	AR4811724C	AR481AA	9/14/17 18:04	1725699999	1.00
2855	25PCBS17257002.014	AR4821724C	AR482AA	9/14/17 18:16	1725699999	1.00
2855	25PCBS17257002.015	AR4831724C	AR483AA	9/14/17 18:27	1725699999	1.00
2855	25PCBS17257002.016	AR4841724C	AR484AA	9/14/17 18:38	1725699999	1.00
2855	25PCBS17257002.017	AR4851724C	AR485AA	9/14/17 18:49	1725699999	1.00
2855	25PCBS17257002.018	AR4861724B	AR486AA	9/14/17 19:01	1725699999	1.00
2855	25PCBS17257002.019	AR5411724B	AR541AA	9/14/17 19:12	1725699999	1.00
2855	25PCBS17257002.020	AR5421724B	AR542AA	9/14/17 19:24	1725699999	1.00
2855	25PCBS17257002.021	AR5431724B	AR543AA	9/14/17 19:35	1725699999	1.00
2855	25PCBS17257002.022	AR5441724B	AR544AA	9/14/17 19:46	1725699999	1.00
2855	25PCBS17257002.023	AR5451724B	AR545AA	9/14/17 19:58	1725699999	1.00
2855	25PCBS17257002.024	AR5461724A	AR546AA	9/14/17 20:09	1725699999	1.00
2855	25PCBS17257002.025	AR6231724A	AR623AA	9/14/17 20:21	1725699999	1.00
2855	25PCBS17257002.026	AR6831724B	AR683AA	9/14/17 20:32	1725699999	1.00
2855	25PCBS17257002.027	AR2131724A	AR213AA	9/14/17 20:44	1725699999	1.00
2855	25PCBS17257002.028	AR3241724A	AR324AA	9/14/17 20:55	1725699999	1.00
2855	25PCBS17257002.029	AR4231724A	AR423AA	9/14/17 21:06	1725699999	1.00
2855	25PCBS17257002.030	AR16XX1724B	AR16XAA	9/14/17 21:18	1725699999	1.00
2855	25PCBS17257002.031	MD16X1724B	MD16XAA	9/14/17 21:29	1725699999	1.00
2855	25PCBS17257002.032	IC16X1724C	IC16XAA	9/14/17 21:41	1725699999	1.00
2855	25PCBS17257002.033	IC48X1724B	IC48XAA	9/14/17 21:52	1725699999	1.00
2855	25PCBS17257002.034	IC54X1724A	IC54XAA	9/14/17 22:03	1725699999	1.00
2855	25PCBS17257002.035	BLANKA 9/12/17 AF	PBLK10255	9/14/17 22:15	172550010A	10.00
2855	25PCBS17257002.036	LCSA 9/12/17 AF	LCS10255	9/14/17 22:26	172550010A	10.00
2855	25PCBS17257002.037	LCSDA 9/12/17 AF	LCSD10255	9/14/17 22:37	172550010A	10.00
2855	25PCBS17257002.038	9199740 AF	PRERO	9/14/17 22:48	172550010A	10.00
2855	25PCBS17257002.039	9199741 AF	POSRO	9/14/17 23:00	172550010A	10.00
2855	25PCBS17257002.040	BLANKA 9/13/17 AF	PBLK07256	9/14/17 23:11	172560007A	2.00
2855	25PCBS17257002.041	LCSA 9/13/17 AF	LCS07256	9/14/17 23:22	172560007A	2.00
2855	25PCBS17257002.042	LCSDA 9/13/17 AF	LCSD07256	9/14/17 23:33	172560007A	2.00
2855	25PCBS17257002.043	9197273 AF	T1-E1	9/14/17 23:45	172560007A	2.00
2855	25PCBS17257002.044	9197274 AF	T1-E2	9/14/17 23:56	172560007A	2.00
2855	25PCBS17257002.045	BLANKA 9/13/17 AF	PBLK08256	9/15/17 0:08	172560008A	2.00
2855	25PCBS17257002.046	LCSA 9/13/17 AF	LCS08256	9/15/17 0:19	172560008A	2.00
2855	25PCBS17257002.047	LCSDA 9/13/17 AF	LCSD08256	9/15/17 0:30	172560008A	2.00
2855	25PCBS17257002.048	9200763 AF	IRW2A	9/15/17 0:42	172560008A	2.00
2855	25PCBS17257002.049	BLANKA 9/11/17 ACF	PBLK04254	9/15/17 0:53	172540004A	10.00
2855	25PCBS17257002.050	LCSA 9/11/17 ACF	LCS04254	9/15/17 1:05	172540004A	10.00
2855	25PCBS17257002.051	AR1641724B	AR164YV	9/15/17 1:16	1725699999	1.00
2855	25PCBS17257002.052	IBLKX1724B	PIBLKZB	9/15/17 1:27	1725699999	10.00
2855	25PCBS17257002.053	9198627 ACF DF50	41G01	9/15/17 1:39	172540004A	500.00
2855	25PCBS17257002.054	9198631 ACF DF50	41G05	9/15/17 1:50	172540004A	500.00
2855	25PCBS17257002.055	AR1641724B	AR164YW	9/15/17 2:02	1725699999	1.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2855	25PCBS17257002.056	IBLKX1724B	PIBLKZC	9/15/17 2:13	1725699999	10.00
2855	25PCBS17257002.057	9199809 ACF	3411A	9/15/17 2:24	172540004A	10.00
2855	25PCBS17257002.058	9199809 ACF DF5	3411A	9/15/17 2:36	172540004A	50.00
2855	25PCBS17257002.059	9200176 ACF	MTVWA	9/15/17 2:47	172540004A	10.00
2855	25PCBS17257002.060	9200176 ACF DF5	MTVWA	9/15/17 2:58	172540004A	50.00
2855	25PCBS17257002.061	9200223 ACF	SOILC	9/15/17 3:10	172540004A	10.00
2855	25PCBS17257002.062	9200343 ACF	2615-	9/15/17 3:21	172540004A	10.00
2855	25PCBS17257002.063	9200344 ACF DF5	2702-	9/15/17 3:33	172540004A	50.00
2855	25PCBS17257002.064	9200346 ACF	2715-	9/15/17 3:44	172540004A	10.00
2855	25PCBS17257002.065	9200347 ACF DF5	2802-	9/15/17 3:55	172540004A	50.00
2855	25PCBS17257002.066	9200349 ACF	-2815	9/15/17 4:06	172540004A	10.00
2855	25PCBS17257002.067	9200350 ACF	TB202	9/15/17 4:18	172540004A	10.00
2855	25PCBS17257002.068	9200352 ACF	TB215	9/15/17 4:29	172540004A	10.00
2855	25PCBS17257002.069	9200353 ACF	2902-	9/15/17 4:41	172540004A	10.00
2855	25PCBS17257002.070	9200355 ACF	2915-	9/15/17 4:52	172540004A	10.00
2855	25PCBS17257002.071	9200355 ACF DF5	2915-	9/15/17 5:03	172540004A	50.00
2855	25PCBS17257002.072	9200356 ACF	-3002	9/15/17 5:15	172540004A	10.00
2855	25PCBS17257002.073	9200358 ACF	-3015	9/15/17 5:26	172540004A	10.00
2855	25PCBS17257002.074	9200361 ACF	-3115	9/15/17 5:38	172540004A	10.00
2855	25PCBS17257002.075	9200362 ACF	23202	9/15/17 5:49	172540004A	10.00
2855	25PCBS17257002.076	9200363 ACF	23215	9/15/17 6:00	172540004A	10.00
2855	25PCBS17257002.077	9200363MS ACF	23215MS	9/15/17 6:12	172540004A	10.00
2855	25PCBS17257002.078	9200363MSD ACF	23215MSD	9/15/17 6:23	172540004A	10.00
2855	25PCBS17257002.079	9200364 ACF	TB302	9/15/17 6:34	172540004A	10.00
2855	25PCBS17257002.080	AR1641724B	AR164YX	9/15/17 6:46	1725699999	1.00
2855	25PCBS17257002.081	IBLKX1724B	PIBLKZD	9/15/17 6:57	1725699999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17257004
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17257004.001	CONDITIONER		9/17/17 17:50	1725999999	1.00
9065	25PCBS17257004.002	CONDITIONER		9/17/17 18:01	1725999999	1.00
9065	25PCBS17257004.003	CONDITIONER		9/17/17 18:12	1725999999	1.00
9065	25PCBS17257004.004	CONDITIONER		9/17/17 18:23	1725999999	1.00
9065	25PCBS17257004.005	AR1641724B	AR164ZW	9/17/17 18:35	1725999999	1.00
9065	25PCBS17257004.006	IBLKX1724B	PIBLKAG	9/17/17 18:46	1725999999	10.00
9065	25PCBS17257004.007	9198627 ACF	41G01	9/17/17 18:58	172540004A	10.00
9065	25PCBS17257004.008	9198627 ACF DF5	41G01	9/17/17 19:09	172540004A	50.00
9065	25PCBS17257004.009	9198627 ACF DF10	41G01	9/17/17 19:20	172540004A	100.00
9065	25PCBS17257004.010	9198631 ACF DF5	41G05	9/17/17 19:32	172540004A	50.00
9065	25PCBS17257004.011	9198631 ACF DF10	41G05	9/17/17 19:43	172540004A	100.00
9065	25PCBS17257004.012	BLANKA 9/14/17 ACI	PBLK36256	9/17/17 19:54	172560036A	10.00
9065	25PCBS17257004.013	LCSA 9/14/17 ACF	LCS36256	9/17/17 20:06	172560036A	10.00
9065	25PCBS17257004.014	AR1641724B	AR164ZX	9/17/17 20:17	1725999999	1.00
9065	25PCBS17257004.015	IBLKX1724B	PIBLKAH	9/17/17 20:28	1725999999	10.00
9065	25PCBS17257004.016	9197671 ACF DF50	D3436	9/17/17 20:40	172560036A	500.00
9065	25PCBS17257004.017	9197671MS ACF DF	D3436MS	9/17/17 20:51	172560036A	500.00
9065	25PCBS17257004.018	9197671MSD ACF D	D3436MSD	9/17/17 21:02	172560036A	500.00
9065	25PCBS17257004.019	9197673 ACF	D1-25	9/17/17 21:14	172560036A	10.00
9065	25PCBS17257004.020	9197676 ACF	D2022	9/17/17 21:26	172560036A	10.00
9065	25PCBS17257004.021	9197677 ACF	D2830	9/17/17 21:37	172560036A	10.00
9065	25PCBS17257004.022	9197679 ACF	DR33C	9/17/17 21:48	172560036A	10.00
9065	25PCBS17257004.023	9197681 ACF	DR09C	9/17/17 21:59	172560036A	10.00
9065	25PCBS17257004.024	9199757 ACF	24D02	9/17/17 22:11	172560036A	10.00
9065	25PCBS17257004.025	9199757 ACF DF5	24D02	9/17/17 22:23	172560036A	50.00
9065	25PCBS17257004.026	AR1641724B	AR164ZY	9/17/17 22:34	1725999999	1.00
9065	25PCBS17257004.027	IBLKX1724B	PIBLKAI	9/17/17 22:45	1725999999	10.00
9065	25PCBS17257004.028	9199759 ACF	24D04	9/17/17 22:57	172560036A	10.00
9065	25PCBS17257004.029	9199761 ACF	24D06	9/17/17 23:08	172560036A	10.00
9065	25PCBS17257004.030	AR1641724B	AR164ZZ	9/17/17 23:19	1725999999	1.00
9065	25PCBS17257004.031	IBLKX1724B	PIBLKAJ	9/17/17 23:31	1725999999	10.00
9065	25PCBS17257004.032	9205491 ACF	1WC--	9/17/17 23:42	172560036A	10.00
9065	25PCBS17257004.033	CONDITIONER		9/17/17 23:53	1725999999	1.00
9065	25PCBS17257004.034	BLANKA 9/15/17 AF	PBLK44257	9/18/17 0:05	172570044A	2.00
9065	25PCBS17257004.035	LCSA 9/15/17 AF	LCS44257	9/18/17 0:16	172570044A	2.00
9065	25PCBS17257004.036	LCSDA 9/15/17 AF	LCSD44257	9/18/17 0:27	172570044A	2.00
9065	25PCBS17257004.037	9199076 RI AF	WWD-1	9/18/17 0:39	172570044A	2.00
9065	25PCBS17257004.038	9200175 RI AF	AMTEB	9/18/17 0:50	172570044A	2.00
9065	25PCBS17257004.039	9201389 RI AF	POHSW	9/18/17 1:01	172570044A	2.00
9065	25PCBS17257004.040	9202716 RI AF	911-E	9/18/17 1:12	172570044A	2.00
9065	25PCBS17257004.041	9203911 RI AF	422-1	9/18/17 1:24	172570044A	2.00
9065	25PCBS17257004.042	9203912 RI AF	422-2	9/18/17 1:35	172570044A	2.00
9065	25PCBS17257004.043	9203913 RI AF	422-3	9/18/17 1:47	172570044A	2.00
9065	25PCBS17257004.044	9203914 RI AF	422-4	9/18/17 1:58	172570044A	2.00
9065	25PCBS17257004.045	9203915 RI AF	422-5	9/18/17 2:09	172570044A	2.00
9065	25PCBS17257004.046	9203916 RI AF	422-6	9/18/17 2:21	172570044A	2.00
9065	25PCBS17257004.047	9203917 RI AF	422-7	9/18/17 2:32	172570044A	2.00
9065	25PCBS17257004.048	9203918 RI AF	422-8	9/18/17 2:43	172570044A	2.00
9065	25PCBS17257004.049	BLANKA 9/15/17 CAI	PBLK21258	9/18/17 2:55	172580021A	2.00
9065	25PCBS17257004.050	LCSA 9/15/17 CAF	LCS21258	9/18/17 3:06	172580021A	2.00
9065	25PCBS17257004.051	LCSDA 9/15/17 CAF	LCSD21258	9/18/17 3:18	172580021A	2.00
9065	25PCBS17257004.052	AR1641724B	AR164AC	9/18/17 3:29	1725999999	1.00
9065	25PCBS17257004.053	IBLKX1724B	PIBLKAL	9/18/17 3:40	1725999999	10.00
9065	25PCBS17257004.054	9197694 CAF	COND-	9/18/17 3:52	172580021A	2.00
9065	25PCBS17257004.055	9197694 CAF DF5	COND-	9/18/17 4:03	172580021A	10.00
9065	25PCBS17257004.056	9197694 CAF DF10	COND-	9/18/17 4:15	172580021A	20.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17257004.057	BLANKA 9/15/17 AC	IPBLK33257	9/18/17 4:26	172570033A	10.00
9065	25PCBS17257004.058	LCSA 9/15/17 ACF	LCS33257	9/18/17 4:37	172570033A	10.00
9065	25PCBS17257004.059	9206469 RI ACF	IRQ01	9/18/17 4:48	172570033A	10.00
9065	25PCBS17257004.060	9206470 RI ACF	IRQ02	9/18/17 5:00	172570033A	10.00
9065	25PCBS17257004.061	9206470MS ACF	IRQ02MS	9/18/17 5:11	172570033A	10.00
9065	25PCBS17257004.062	9206470MSD ACF	IRQ02MSD	9/18/17 5:23	172570033A	10.00
9065	25PCBS17257004.063	9206471 RI ACF	IRQ03	9/18/17 5:34	172570033A	10.00
9065	25PCBS17257004.064	9206472 RI ACF	IRQ04	9/18/17 5:45	172570033A	10.00
9065	25PCBS17257004.065	9206472 ACF DF5	IRQ04	9/18/17 5:57	172570033A	50.00
9065	25PCBS17257004.066	9206473 ACF DF5	IRQ05	9/18/17 6:08	172570033A	50.00
9065	25PCBS17257004.067	9206474 ACF DF5	IRQ06	9/18/17 6:20	172570033A	50.00
9065	25PCBS17257004.068	CONDITIONER		9/18/17 6:31	1725999999	1.00
9065	25PCBS17257004.069	9206474 ACF DF10	IRQ06	9/18/17 6:43	172570033A	100.00
9065	25PCBS17257004.070	CONDITIONER		9/18/17 6:54	1725999999	1.00
9065	25PCBS17257004.071	9206475 RI ACF	IRQ07	9/18/17 7:05	172570033A	10.00
9065	25PCBS17257004.072	9206475 ACF DF5	IRQ07	9/18/17 7:16	172570033A	50.00
9065	25PCBS17257004.073	9206476 RI ACF	IRQ08	9/18/17 7:28	172570033A	10.00
9065	25PCBS17257004.074	AR1641724B	AR164AD	9/18/17 7:39	1725999999	1.00
9065	25PCBS17257004.075	IBLKX1724B	PIBLKAM	9/18/17 7:51	1725999999	10.00
9065	25PCBS17257004.076	9206477 RI ACF	IRQ09	9/18/17 8:02	172570033A	10.00
9065	25PCBS17257004.077	9206478 RI ACF	IRQ10	9/18/17 8:13	172570033A	10.00
9065	25PCBS17257004.078	9206478 ACF DF5	IRQ10	9/18/17 8:24	172570033A	50.00
9065	25PCBS17257004.079	9206479 RI ACF	IRQ11	9/18/17 8:36	172570033A	10.00
9065	25PCBS17257004.080	9206480 RI ACF	IRQ12	9/18/17 8:47	172570033A	10.00
9065	25PCBS17257004.081	9206481 RI ACF	IRQ13	9/18/17 8:59	172570033A	10.00
9065	25PCBS17257004.082	9206482 RI ACF	IRQ14	9/18/17 9:10	172570033A	10.00
9065	25PCBS17257004.083	9206483 RI ACF	IRQ15	9/18/17 9:21	172570033A	10.00
9065	25PCBS17257004.084	BLANKA 9/13/17 AC	IPBLK11256	9/18/17 9:33	172560011A	10.00
9065	25PCBS17257004.085	LCSA 9/13/17 ACF	LCS11256	9/18/17 9:44	172560011A	10.00
9065	25PCBS17257004.086	9202620 ACF DF500	T199E	9/18/17 9:55	172560011A	5,000.00
9065	25PCBS17257004.087	9202620 ACF DF100	T199E	9/18/17 10:07	172560011A	10,000.00
9065	25PCBS17257004.088	9202621 ACF DF100	-100W	9/18/17 10:18	172560011A	1,000.00
9065	25PCBS17257004.089	9202622 ACF DF100	-100E	9/18/17 10:29	172560011A	1,000.00
9065	25PCBS17257004.090	9202625 ACF DF500	-102W	9/18/17 10:40	172560011A	5,000.00
9065	25PCBS17257004.091	9202626 ACF DF100	-102E	9/18/17 10:52	172560011A	1,000.00
9065	25PCBS17257004.092	9202627 ACF DF50	-103W	9/18/17 11:04	172560011A	500.00
9065	25PCBS17257004.093	9202628 ACF DF100	-103E	9/18/17 11:15	172560011A	1,000.00
9065	25PCBS17257004.094	9202629 ACF DF10	-104W	9/18/17 11:26	172560011A	100.00
9065	25PCBS17257004.095	9202630 ACF DF50	-104E	9/18/17 11:37	172560011A	500.00
9065	25PCBS17257004.096	AR1641724B	AR164AE	9/18/17 11:49	1725999999	1.00
9065	25PCBS17257004.097	IBLKX1724B	PIBLKAN	9/18/17 12:00	1725999999	10.00
9065	25PCBS17257004.098	9202631 ACF DF100	-113E	9/18/17 12:12	172560011A	1,000.00
9065	25PCBS17257004.099	9202632 ACF DF100	DUP12	9/18/17 12:23	172560011A	1,000.00
9065	25PCBS17257004.100	9202633 ACF DF100	-114E	9/18/17 12:34	172560011A	1,000.00
9065	25PCBS17257004.101	9202634 ACF DF20	-115W	9/18/17 12:45	172560011A	200.00
9065	25PCBS17257004.102	9202635MS ACF DF	-115W	9/18/17 12:57	172560011A	200.00
9065	25PCBS17257004.103	9202636MSD ACF D	-115W	9/18/17 13:08	172560011A	200.00
9065	25PCBS17257004.104	9202637 ACF DF50	DUP13	9/18/17 13:20	172560011A	500.00
9065	25PCBS17257004.105	9202639 ACF DF50	-105W	9/18/17 13:31	172560011A	500.00
9065	25PCBS17257004.106	9202640 ACF DF50	-105E	9/18/17 13:42	172560011A	500.00
9065	25PCBS17257004.107	9202641 ACF DF50	-106W	9/18/17 13:53	172560011A	500.00
9065	25PCBS17257004.108	9202642 ACF DF50	-106E	9/18/17 14:05	172560011A	500.00
9065	25PCBS17257004.109	AR1641724B	AR164AF	9/18/17 14:16	1725999999	1.00
9065	25PCBS17257004.110	IBLKX1724B	PIBLKAO	9/18/17 14:28	1725999999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17257006
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17257006.001	CONDITIONER		9/19/17 21:16	1726199999	1.00
9065	25PCBS17257006.002	CONDITIONER		9/19/17 21:27	1726199999	1.00
9065	25PCBS17257006.003	CONDITIONER		9/19/17 21:39	1726199999	1.00
9065	25PCBS17257006.004	CONDITIONER		9/19/17 21:50	1726199999	1.00
9065	25PCBS17257006.005	AR1641724B	AR164BG	9/19/17 22:01	1726199999	1.00
9065	25PCBS17257006.006	IBLKX1724B	PIBLKCC	9/19/17 22:12	1726199999	10.00
9065	25PCBS17257006.007	BLANKA 9/18/17 AF	PBLK16259	9/19/17 22:24	172590016A	2.00
9065	25PCBS17257006.008	LCSA 9/18/17 AF	LCS16259	9/19/17 22:35	172590016A	2.00
9065	25PCBS17257006.009	LCSDA 9/18/17 AF	LCSD16259	9/19/17 22:46	172590016A	2.00
9065	25PCBS17257006.010	9207807 RI AF	65300	9/19/17 22:58	172590016A	2.00
9065	25PCBS17257006.011	9207808 RI AF	98650	9/19/17 23:09	172590016A	2.00
9065	25PCBS17257006.012	9211497 RI AF	55107	9/19/17 23:20	172590016A	2.00
9065	25PCBS17257006.013	9211498 RI AF	55109	9/19/17 23:32	172590016A	2.00
9065	25PCBS17257006.014	9211807 RI AF	AME13	9/19/17 23:43	172590016A	2.00
9065	25PCBS17257006.015	9211808 RI AF	AME15	9/19/17 23:54	172590016A	2.00
9065	25PCBS17257006.016	BLANKA 9/17/17 AF	PBLK27259	9/20/17 0:06	172590027A	2.00
9065	25PCBS17257006.017	LCSA 9/17/17 AF	LCS27259	9/20/17 0:17	172590027A	2.00
9065	25PCBS17257006.018	LCSDA 9/17/17 AF	LCSD27259	9/20/17 0:28	172590027A	2.00
9065	25PCBS17257006.019	9210683 RI AF	L5701	9/20/17 0:40	172590027A	2.00
9065	25PCBS17257006.020	AR1641724B	AR164BH	9/20/17 0:51	1726199999	1.00
9065	25PCBS17257006.021	IBLKX1724B	PIBLKCD	9/20/17 1:02	1726199999	10.00
9065	25PCBS17257006.022	9199771 CAF DF50	24D16	9/20/17 1:14	172570010A	########
9065	25PCBS17257006.023	9199771 CAF DF10	24D16	9/20/17 1:25	172570010A	########
9065	25PCBS17257006.024	9202621 ACF DF10	-100W	9/20/17 1:36	172560011A	100.00
9065	25PCBS17257006.025	9202625 ACF DF100	-102W	9/20/17 1:48	172560011A	1,000.00
9065	25PCBS17257006.026	9202625 ACF DF200	-102W	9/20/17 1:59	172560011A	2,000.00
9065	25PCBS17257006.027	9202632 ACF DF10	DUP12	9/20/17 2:10	172560011A	100.00
9065	25PCBS17257006.028	9200364 ACF DF5	TB302	9/20/17 2:22	172540004A	50.00
9065	25PCBS17257006.029	CONDITIONER		9/20/17 2:33	1726199999	1.00
9065	25PCBS17257006.030	9200364 ACF DF10	TB302	9/20/17 2:44	172540004A	100.00
9065	25PCBS17257006.031	CONDITIONER		9/20/17 2:56	1726199999	1.00
9065	25PCBS17257006.032	AR1641724B	AR164BI	9/20/17 3:07	1726199999	1.00
9065	25PCBS17257006.033	IBLKX1724B	PIBLKCE	9/20/17 3:18	1726199999	10.00
9065	25PCBS17257006.034	BLANKA 9/13/17 ACI	PBLK27255	9/20/17 3:30	172550027A	10.00
9065	25PCBS17257006.035	LCSA 9/13/17 ACF	LCS27255	9/20/17 3:41	172550027A	10.00
9065	25PCBS17257006.036	9192780R ACF DF5	KENTO	9/20/17 3:52	172550027A	50.00
9065	25PCBS17257006.037	9192780RMS ACF D	KENTOMS	9/20/17 4:04	172550027A	50.00
9065	25PCBS17257006.038	9192780RMSD ACF	KENTOMSD	9/20/17 4:15	172550027A	50.00
9065	25PCBS17257006.039	9200366 RI ACF	TB315	9/20/17 4:26	172550027A	10.00
9065	25PCBS17257006.040	9200367 RI ACF	TB310	9/20/17 4:37	172550027A	10.00
9065	25PCBS17257006.041	9200368 ACF DF100	TB-30	9/20/17 4:49	172550027A	1,000.00
9065	25PCBS17257006.042	9200368 ACF DF500	TB-30	9/20/17 5:00	172550027A	5,000.00
9065	25PCBS17257006.043	9200370 RI ACF	TB415	9/20/17 5:12	172550027A	10.00
9065	25PCBS17257006.044	9200371 RI ACF	TB410	9/20/17 5:23	172550027A	10.00
9065	25PCBS17257006.045	9200372 RI ACF	TB411	9/20/17 5:34	172550027A	10.00
9065	25PCBS17257006.046	9203788 RI ACF	FRK-1	9/20/17 5:46	172550027A	10.00
9065	25PCBS17257006.047	9203791 RI ACF	FRK-4	9/20/17 5:57	172550027A	10.00
9065	25PCBS17257006.048	9203794 RI ACF	FRK-7	9/20/17 6:08	172550027A	10.00
9065	25PCBS17257006.049	9203797 RI ACF	FRK10	9/20/17 6:19	172550027A	10.00
9065	25PCBS17257006.050	9203800 ACF DF5	FRK13	9/20/17 6:31	172550027A	50.00
9065	25PCBS17257006.051	9203803 RI ACF	FRK16	9/20/17 6:42	172550027A	10.00
9065	25PCBS17257006.052	9203806 RI ACF	FRK19	9/20/17 6:53	172550027A	10.00
9065	25PCBS17257006.053	9203809 RI ACF	FRK22	9/20/17 7:05	172550027A	10.00
9065	25PCBS17257006.054	AR1641724B	AR164BJ	9/20/17 7:16	1726199999	1.00
9065	25PCBS17257006.055	IBLKX1724B	PIBLKCF	9/20/17 7:28	1726199999	10.00
9065	25PCBS17257006.056	9203812 RI ACF	FRK25	9/20/17 7:39	172550027A	10.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17257006.057	CONDITIONER		9/20/17 7:50	1726199999	1.00
9065	25PCBS17257006.058	9203815 RI ACF	FRK28	9/20/17 8:02	172550027A	10.00
9065	25PCBS17257006.059	9203818 ACF DF5	FRK31	9/20/17 8:13	172550027A	50.00
9065	25PCBS17257006.060	CONDITIONER		9/20/17 8:24	1726199999	1.00
9065	25PCBS17257006.061	9203821 ACF DF10	FRK34	9/20/17 8:36	172550027A	100.00
9065	25PCBS17257006.062	CONDITIONER		9/20/17 8:47	1726199999	1.00
9065	25PCBS17257006.063	9203821 ACF DF50	FRK34	9/20/17 8:59	172550027A	500.00
9065	25PCBS17257006.064	CONDITIONER		9/20/17 9:10	1726199999	1.00
9065	25PCBS17257006.065	9203928 RI ACF	NGK08	9/20/17 9:21	172550027A	10.00
9065	25PCBS17257006.066	CONDITIONER		9/20/17 9:33	1726199999	1.00
9065	25PCBS17257006.067	9203928 ACF DF5	NGK08	9/20/17 9:44	172550027A	50.00
9065	25PCBS17257006.068	CONDITIONER		9/20/17 9:55	1726199999	1.00
9065	25PCBS17257006.069	BLANKA 9/14/17 ACI	PBLK22257	9/20/17 10:07	172570022A	10.00
9065	25PCBS17257006.070	LCSA 9/14/17 ACF	LCS22257	9/20/17 10:18	172570022A	10.00
9065	25PCBS17257006.071	9203930 ACF	NGK10	9/20/17 10:29	172570022A	10.00
9065	25PCBS17257006.072	9203930MS ACF	NGK10MS	9/20/17 10:41	172570022A	10.00
9065	25PCBS17257006.073	9203930MSD ACF	NGK10MSD	9/20/17 10:52	172570022A	10.00
9065	25PCBS17257006.074	9203931 ACF DF5	NGK11	9/20/17 11:03	172570022A	50.00
9065	25PCBS17257006.075	9203932 ACF DF5	NGK12	9/20/17 11:15	172570022A	50.00
9065	25PCBS17257006.076	AR1641724B	AR164BK	9/20/17 11:26	1726199999	1.00
9065	25PCBS17257006.077	IBLKX1724B	PIBLKCG	9/20/17 11:37	1726199999	10.00
9065	25PCBS17257006.078	9205420 ACF DF10	52791	9/20/17 11:49	172570022A	100.00
9065	25PCBS17257006.079	9206028 ACF	WIT01	9/20/17 12:00	172570022A	10.00
9065	25PCBS17257006.080	9206028 ACF DF5	WIT01	9/20/17 12:12	172570022A	50.00
9065	25PCBS17257006.081	9206430 ACF	10521	9/20/17 12:23	172570022A	10.00
9065	25PCBS17257006.082	9207065 ACF	-12-1	9/20/17 12:34	172570022A	10.00
9065	25PCBS17257006.083	9207067 ACF	-12-3	9/20/17 12:46	172570022A	10.00
9065	25PCBS17257006.084	9207068 ACF	-13-1	9/20/17 12:57	172570022A	10.00
9065	25PCBS17257006.085	9207070 ACF	-13-3	9/20/17 13:08	172570022A	10.00
9065	25PCBS17257006.086	9207074 ACF DF5	-14-1	9/20/17 13:20	172570022A	50.00
9065	25PCBS17257006.087	BLANKA 9/15/17 ACI	PBLK22258	9/20/17 13:31	172580022A	10.00
9065	25PCBS17257006.088	LCSA 9/15/17 ACF	LCS22258	9/20/17 13:42	172580022A	10.00
9065	25PCBS17257006.089	9209911 RI ACF	TB211	9/20/17 13:54	172580022A	10.00
9065	25PCBS17257006.090	9209911MS ACF	TB211MS	9/20/17 14:05	172580022A	10.00
9065	25PCBS17257006.091	9209911MSD ACF	TB211MSD	9/20/17 14:17	172580022A	10.00
9065	25PCBS17257006.092	9209912 RI ACF	TB212	9/20/17 14:28	172580022A	10.00
9065	25PCBS17257006.093	AR1641724B	AR164BL	9/20/17 14:39	1726199999	1.00
9065	25PCBS17257006.094	IBLKX1724B	PIBLKCH	9/20/17 14:51	1726199999	10.00

Eurofins Lancaster Laboratories
Pesticide Residue Analysis
Runlog for 25PCBS17257007
Instrument CP25--18274A

Data Directory Path is - \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
9065	25PCBS17257007.001	CONDITIONER		9/21/17 20:33	1726399999	1.00
9065	25PCBS17257007.002	CONDITIONER		9/21/17 20:44	1726399999	1.00
9065	25PCBS17257007.003	CONDITIONER		9/21/17 20:55	1726399999	1.00
9065	25PCBS17257007.004	CONDITIONER		9/21/17 21:07	1726399999	1.00
9065	25PCBS17257007.005	AR1641724B	AR164BX	9/21/17 21:18	1726399999	1.00
9065	25PCBS17257007.006	IBLKX1724B	PIBLKCV	9/21/17 21:29	1726399999	10.00
9065	25PCBS17257007.007	9202625 ACF DF5	-102W	9/21/17 21:41	172560011A	50.00
9065	25PCBS17257007.008	9202625 ACF DF10	-102W	9/21/17 21:52	172560011A	100.00
9065	25PCBS17257007.009	BLANKA 9/20/17 CAI	PBLK42262	9/21/17 22:03	172620042A	2.00
9065	25PCBS17257007.010	LCSA 9/20/17 CAF	LCS42262	9/21/17 22:15	172620042A	2.00
9065	25PCBS17257007.011	LCSDA 9/20/17 CAF	LCSD42262	9/21/17 22:26	172620042A	2.00
9065	25PCBS17257007.012	9214022 CAF	CILEB	9/21/17 22:37	172620042A	2.00
9065	25PCBS17257007.013	9216023 CAF	MPS19	9/21/17 22:49	172620042A	2.00
9065	25PCBS17257007.014	9216024 CAF	TN219	9/21/17 23:00	172620042A	2.00
9065	25PCBS17257007.015	AR1641724B	AR164CB	9/21/17 23:12	1726399999	1.00
9065	25PCBS17257007.016	IBLKX1724B	PIBLKCZ	9/21/17 23:23	1726399999	10.00

Sample Data

Polychlorinated Biphenyls (PCBs)

Lancaster Laboratories Environmental

LOQ/MDL Summary
Pesticide Residue Analysis

SDG: ATG65

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: 9202620 ACF DF1000 T199E Sample ID: AE **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 10:07:17
Instrument	18274A
Result file	25PCBS17257004.087.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) * 226% (61 - 152) Conc: 66.83292
%SSR(DCB) * 373% (48 - 164) Conc: 97.98492

Analysis Report (B)

Injected on	Sep 18, 2017 10:07:17
Instrument	18274B
Result file	25PCBS17257004B.087.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) * 260% (61 - 152) Conc: 76.84519
%SSR(DCB) * 327% (48 - 164) Conc: 85.7803

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	7847	66.83292
Decachlorobiphenyl	6.61	6.64	6.67	10778	97.98492

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	14189	76.84519
Decachlorobiphenyl	6.10	6.13	6.16	13380	85.7803

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	76.84519				13.94	
☑	Tetrachloro-m-xylene-D1	A	66.83292					
☑	Tetrachloro-m-xylene-D2	B	76.84519					
☐	Decachlorobiphenyl	A	97.98492				13.28	
☑	Decachlorobiphenyl-D1	A	97.98492					
☑	Decachlorobiphenyl-D2	B	85.7803					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.41**	
4.24	4.26	4.28	1116450	407320.323363			1
4.39	4.41	4.43	1639875	350552.483776			2
4.65	4.66	4.68	2830180	434430.724845			3
4.86	4.88	4.90	2184823	459883.95425			4
5.06	5.08	5.10	1094138	295621.869318			5
5.17	5.19	5.21	2368430	459148.215931			6

Height summation: **11233896**
Concentration CF: **401159.595247** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**17.09**	
4.25	4.27	4.29	4130430	451670.627521			1
4.34	4.36	4.38	1838068	427836.330572			2
4.41	4.43	4.45	2892037	457420.064126			3
4.48	4.50	4.51	2069113	547651.987096			4
4.63	4.65	4.67	1399245	314996.900038			5
4.71	4.73	4.75	3374999	479933.608906			6

Height summation: **15703892**
Concentration CF: **446584.91971** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<49370.7642	<9583.7366	D1		4	
☑	PCB-1221			<49370.7642	<14811.2292	D1		3	
☑	PCB-1232			<49370.7642	<11907.0667	D1		4	
☑	PCB-1242			<49370.7642	<11907.0667	D1		4	
☑	PCB-1248			<49370.7642	<9583.7366	D1		4	
☑	PCB-1254	B	446584.91971	49370.7642	12778.3154	D2	10.72	4	
☑	PCB-1260			<49370.7642	<11326.2341	D1		4	

Units: ug/kg

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

Valerie L. Tomaylor
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:04

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202620** ACF DF1000 T199E Sample ID: AE **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:07:17
Instrument : CP25--18274A
Result file : 25PCBS17257004.087.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *226% (61-152) Conc.: 66.83292
%SSR(DCB) : *373% (48-164) Conc.: 97.98492

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**116.22**	
+ 3.19	3.19	3.23	321.0241	167.481803			1
3.19	3.21	3.23	2221.938	1159.209489			1
+ 3.41	3.43	3.45	2309.139	1198.070781			2
3.41	3.44	3.45	3875.984	2011.010675			2
3.52	3.54	3.56	46968.42	19378.181411			3
3.74	3.77	3.78	54090.52	17817.421486			4
3.79	3.81	3.83	29015.87	10909.85616			5
3.99	4.01	4.03	116661.2	59241.806193			6
Height Summation:			**252833.932**				
Amount Avg CF:			**18419.580902**	Linear:			
Aroclor-1221					**3**	**29.27**	
3.09	3.11	3.13	639.8122	651.509108			1
3.14	3.16	3.18	404.5242	444.525257			2
+ 3.19	3.19	3.23	321.0241	118.056802			3
3.19	3.21	3.23	2221.938	817.119012			3
Height Summation:			**3266.2744**				
Amount Avg CF:			**637.717793**	Linear:			
Aroclor-1232					**6**	**124.94**	
+ 3.19	3.19	3.23	321.0241	141.189411			1
3.19	3.21	3.23	2221.938	977.229176			1
3.40	3.43	3.44	2309.139	2620.336527			2
3.52	3.54	3.56	46968.42	41509.660261			3
3.73	3.77	3.77	54090.52	38485.656323			4
3.79	3.81	3.83	29015.87	24852.640631			5
3.99	4.01	4.03	116661.2	142638.068103			6
Height Summation:			**251267.087**				
Amount Avg CF:			**41847.26517**	Linear:			
Aroclor-1242					**6**	**116.70**	
+ 3.19	3.19	3.23	321.0241	118.960003			1
3.19	3.21	3.23	2221.938	823.370428			1
+ 3.41	3.43	3.45	2309.139	886.406816			2
3.41	3.44	3.45	3875.984	1487.869997			2
3.52	3.54	3.56	46968.42	14207.566176			3
3.74	3.77	3.78	54090.52	12877.088499			4
3.80	3.81	3.84	29015.87	7913.836254			5
3.99	4.01	4.03	116661.2	43434.707549			6
Height Summation:			**252833.932**				
Amount Avg CF:			**13457.406484**	Linear:			
Aroclor-1248					**6**	**130.10**	
3.74	3.77	3.78	54090.52	42397.980679			1
3.80	3.81	3.84	29015.87	19620.30069			2
3.86	3.88	3.90	240325.9	98405.870257			3
3.99	4.01	4.03	116661.2	41798.428803			4
4.08	4.10	4.12	224164.4	90534.693445			5
4.26	4.26	4.30	1116450	441017.144003			6
Height Summation:			**1780707.89**				
Amount Avg CF:			**122295.736313**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:07:17
Instrument : CP25--18274B
Result file : 25PCBS17257004B.087.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *260% (61-152) Conc.: 76.84519
%SSR(DCB) : *327% (48-164) Conc.: 85.7803

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**140.70**	
2.91	2.94	2.95	2457.506	806.270184			1
+ 3.11	3.13	3.15	2669.599	1063.690105			2
3.11	3.14	3.15	5721.027	2279.518313			2
3.23	3.25	3.27	76687.56	21228.58642			3
3.43	3.43	3.47	174906	46258.495401			4
+ 3.43	3.46	3.47	81685.76	21603.949283			4
3.50	3.52	3.54	48887.28	12082.786021			5
3.54	3.56	3.58	369096.4	134408.066286			6
Height Summation:			**677755.773**				
Amount Avg CF:			**36177.287104**	Linear:			
Aroclor-1221					**2**	**63.77**	
2.79	2.81	2.83	2661.283	1524.078299			1
2.91	2.94	2.95	2457.506	576.741003			3
Height Summation:			**5118.789**				
Amount Avg CF:			**1050.409651**	Linear:			
Aroclor-1232					**6**	**149.94**	
2.91	2.94	2.95	2457.506	693.633104			1
+ 3.11	3.13	3.15	2669.599	2277.080902			2
3.11	3.14	3.15	5721.027	4879.849491			2
3.23	3.25	3.27	76687.56	46781.029188			3
3.43	3.43	3.47	174906	101143.159788			4
+ 3.43	3.46	3.47	81685.76	47236.54921			4
3.50	3.52	3.54	48887.28	27268.19179			5
E 3.53	3.56	3.57	369096.4	345920.638093			6
Height Summation:			**677755.773**				
Amount Avg CF:			**87781.083576**	Linear:			
Aroclor-1242					**6**	**144.61**	
2.91	2.94	2.95	2457.506	591.680416			1
+ 3.11	3.13	3.15	2669.599	908.119205			2
3.11	3.14	3.15	5721.027	1946.125427			2
3.23	3.25	3.27	76687.56	15712.05158			3
3.43	3.43	3.47	174906	34159.932905			4
+ 3.43	3.46	3.47	81685.76	15953.598395			4
3.50	3.52	3.54	48887.28	9136.451037			5
3.54	3.56	3.58	369096.4	107579.960948			6
Height Summation:			**677755.773**				
Amount Avg CF:			**28187.700386**	Linear:			
Aroclor-1248					**6**	**92.18**	
3.43	3.43	3.47	174906	115335.741082			1
+ 3.43	3.46	3.47	81685.76	53864.862643			1
3.50	3.52	3.54	48887.28	21142.567997			2
3.54	3.56	3.58	369096.4	95323.393019			3
3.66	3.68	3.70	178250.3	37126.050908			4
3.75	3.77	3.79	322514.5	98192.111982			5
3.89	3.91	3.93	1871864	312431.04922			6
Height Summation:			**2965518.48**				
Amount Avg CF:			**113258.485701**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202620** ACF DF1000 T199E Sample ID: AE **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:07:17
Instrument : CP25--18274A
Result file : 25PCBS17257004.087.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	16.41	
4.24	4.26	4.28	1116450	407320.323363			1
4.39	4.41	4.43	1639875	350552.483776			2
4.65	4.66	4.68	2830180	434430.724845			3
4.86	4.88	4.90	2184823	459883.95425			4
5.06	5.08	5.10	1094138	295621.869318			5
5.17	5.19	5.21	2368430	459148.215931			6
Height Summation:			**11233896**				
Amount Avg CF:			**401159.595247**	Linear:			
Aroclor-1260					6	86.32	
4.97	4.99	5.01	1463020	243102.794934			1
5.17	5.19	5.21	2368430	318397.718441			2
5.24	5.26	5.28	157930.8	43890.419025			3
5.40	5.42	5.44	248193.2	65245.91304			4
5.64	5.66	5.68	626783	59326.415478			5
5.84	5.86	5.88	505637.8	77644.44228			6
Height Summation:			**5369994.8**				
Amount Avg CF:			**134601.283866**	Linear:			
Aroclor-1262					6	60.72	
5.25	5.26	5.29	157930.8	26259.2475			1
5.41	5.42	5.45	248193.2	46694.114358			2
5.64	5.66	5.68	626783	46887.910884			3
5.85	5.86	5.89	505637.8	62898.391041			4
5.90	5.92	5.94	20071.65	5078.347465			5
6.27	6.29	6.31	100668.4	20819.765211			6
Height Summation:			**1659284.85**				
Amount Avg CF:			**34772.962743**	Linear:			
Aroclor-1268					6	119.96	
5.84	5.86	5.88	505637.8	34695.169447			1
5.90	5.92	5.94	20071.65	1572.131727			2
6.03	6.05	6.07	1603.25	131.678724			3
+ 6.10	6.10	6.14	20040.79	6280.210851			4
6.10	6.13	6.14	165619.7	51900.48082			4
6.27	6.29	6.31	100668.4	18829.095951			5
6.47	6.49	6.51	24996.41	615.499913			6
Height Summation:			**818597.21**				
Amount Avg CF:			**17957.342764**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:07:17
Instrument : CP25--18274B
Result file : 25PCBS17257004B.087.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	17.09	
4.25	4.27	4.29	4130430	451670.627521			1
4.34	4.36	4.38	1838068	427836.330572			2
4.41	4.43	4.45	2892037	457420.064126			3
4.48	4.50	4.51	2069113	547651.987096			4
4.63	4.65	4.67	1399245	314996.900038			5
4.71	4.73	4.75	3374999	479933.608906			6
Height Summation:			**15703892**				
Amount Avg CF:			**446584.91971**	Linear:			
Aroclor-1260					6	81.04	
4.47	4.50	4.51	2069113	240999.771101			1
4.58	4.60	4.62	1425634	209337.548517			2
4.71	4.73	4.75	3374999	406566.845827			3
4.93	4.95	4.97	292262.3	51298.887249			4
5.12	5.14	5.16	696603.2	51991.473245			5
5.38	5.40	5.42	742483.5	79750.256054			6
Height Summation:			**8601095**				
Amount Avg CF:			**173324.130332**	Linear:			
Aroclor-1262					6	80.96	
4.74	4.77	4.78	135869.7	16285.477245			1
+ 4.93	4.95	4.97	292262.3	35106.181299			2
4.93	4.97	4.97	868920	104373.581727			2
5.12	5.14	5.16	696603.2	39537.60336			3
5.34	5.35	5.38	104667.4	15466.647439			4
5.38	5.40	5.42	742483.5	62865.141839			5
5.76	5.77	5.80	136821.4	20961.591198			6
Height Summation:			**2685365.2**				
Amount Avg CF:			**43248.340468**	Linear:			
Aroclor-1268					5	113.40	
5.33	5.35	5.37	104667.4	5309.404122			1
5.38	5.40	5.42	742483.5	38382.776706			2
5.53	5.55	5.57	80291.91	4952.716442			3
5.75	5.77	5.79	136821.4	18702.931567			5
5.95	5.97	5.99	39458.18	652.556271			6
Height Summation:			**1103722.39**				
Amount Avg CF:			**13600.077022**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			49370.7642	9583.7366		** 65.05	4	40	
Aroclor-1221			49370.7642	14811.2292		** 48.89	3	5	
Aroclor-1232			49370.7642	11907.0667		** 70.87	4	10	
Aroclor-1242			49370.7642	11907.0667		** 70.74	4	30	
Aroclor-1248			49370.7642	9583.7366		7.67	4	40	
Aroclor-1254			49370.7642	12778.3154		10.72	4	40	
Aroclor-1260			49370.7642	11326.2341		25.15	4	40	
Aroclor-1262			49370.7642	9583.7366		21.73	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202620 ACF DF1000 T199E Sample ID: AE **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 10000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 10:07:17
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.087.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 10:07:17
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.087.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			49370.7642	9583.7366		27.61	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:07:17 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.087.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.074		4072	6649
2.105		4802	8757
2.21		367	193
2.233		4834	4069
2.269		751	704
2.343		389	101
2.358		1650	1166
2.394		1731	3656
2.517		2983	3974
2.575		757	720
2.682		3241	2683
2.749		342	351
2.867		462	416
2.925		1060	986
2.959	TCX	7847	5601
3.066		1454	1665
3.109		640	646
3.163		405	184
3.19		321	148
3.211		2222	2060
3.244		407	222
3.263		929	563
3.282		1179	753
3.301		812	549
3.374		433	371
3.427		2309	1255
3.444		3876	2487
3.48		3325	1965
3.51		559	407
3.543		46968	34035
3.616		1600	1769
3.651		1061	484
3.667		2136	1323
3.73		139536	179583
3.766		54091	42073
3.815		29016	22648
3.857		44999	33523
3.885		240326	178841
3.912		335675	225951
3.935		411674	295759
4.009		116661	81643
4.033		191494	141146
4.065		279306	223208
4.098		224164	201772
4.141		42036	42192
4.173		15728	10172
4.188		4445	2180
4.224		73542	57765
4.259		1116450	1085659
4.302		940667	836083
4.371		377271	321270
4.413		1639875	1781667
4.449		961135	815004
4.489		107517	79320

RT A	Compound A	Height A	Area A
4.511		137503	103405
4.553		570268	527784
4.603		647498	590670
4.634		181456	117764
4.665		2830180	2560805
4.714		166311	122067
4.728		33562	14960
4.748		162292	114854
4.791		977187	1022155
4.837		266599	241167
4.877		2184823	2045035
4.908		17533	9926
4.937		293289	314059
4.989		1463020	2064168
5.04		50920	39718
5.076		1094138	1199082
5.124		156444	126178
5.148		22989	19435
5.16		96407	65609
5.194		2368431	2491062
5.235		76152	45464
5.261		157931	129830
5.303		153341	183333
5.375		4311	3386
5.398		562890	477242
5.422		248193	186428
5.479		153497	141567
5.516		168508	165537
5.554		13490	14715
5.596		477224	431973
5.632		94194	88394
5.657		626783	557957
5.694		16122	12371
5.744		4535	5180
5.778		1166	671
5.817		4889	5449
5.861		505638	475350
5.89		71806	56247
5.917		20072	15255
5.959		1760	1546
6.027		54429	50895
6.054		1603	896
6.082		5980	4032
6.102		20041	14385
6.132		165620	161482
6.198		26632	27927
6.235		1100	825
6.26		27342	22952
6.287		100668	95338
6.332		6872	7483
6.372		2040	2191
6.408		487	200
6.436		386	234
6.491		24996	26968
6.551		820	1110
6.578		673	134
6.606		9545	10877
6.64	DCB	10778	9324
6.676		19629	19429
6.726		761	343
6.801		2637	3013
6.833		686	468
6.902		307	1804
6.922		5351	6743
6.979		1370	1400

LANCASTER LABORATORIES

Sample Number: 9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:07:17 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.087.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		9643	16984
2.24		1179	2156
2.26		2382	4596
2.392		8214	9107
2.455		1825	7290
2.624		987	1646
2.641	TCX	14189	8051
2.753		1760	4020
2.812		2661	2898
2.937		2458	3038
3.037		2695	3647
3.08		530	248
3.097		576	205
3.132		2670	1057
3.143		5721	2842
3.172		649	134
3.184		5887	3319
3.232		1447	961
3.252		76688	48445
3.292		3320	3370
3.339		3362	1703
3.353		2930	2060
3.412		150601	95313
3.432		174906	105114
3.463		81686	49519
3.521		48887	34956
3.555		369096	234327
3.579		534951	281455
3.597		658323	377884
3.683		178250	104189
3.706		261147	150624
3.727		405428	273915
3.772		322515	232577
3.813		79277	68176
3.853		78422	68051
3.884		186786	108267
3.906		1871864	1227552
3.932		1035521	613821
3.969		513153	551400
4.005		2398607	1692436
4.037		1580741	1535016
4.076		164817	95553
4.116		258174	197706
4.15		848866	651462
4.207		1189832	871794
4.241		388965	306251
4.268		4130430	3149298
4.305		300491	266642
4.359		1838068	1581663
4.396		383589	307636
4.429		2892037	2688665
4.496		2069113	1807053
4.564		5866	3580
4.596		1425634	1438696

RT B	Compound B	Height B	Area B
4.648		1399245	1137393
4.688		533115	471554
4.726		3374999	3301856
4.773		135870	74818
4.797		174765	132500
4.857		37267	49117
4.896		18304	12333
4.913		178222	129436
4.947		292262	213719
4.972		868920	686579
5.021		305983	267705
5.057		139534	122622
5.086		89085	68274
5.119		632492	449747
5.14		696603	535887
5.212		36490	32891
5.276		7464	5438
5.309		3833	2627
5.354		104667	111046
5.397		742484	769567
5.496		3097	3604
5.551		80292	67869
5.582		6453	4164
5.598		32842	22878
5.642		152816	124815
5.669		69310	53497
5.711		13229	11652
5.748		42809	31160
5.775		136821	116420
5.806		8148	5981
5.858		5809	5175
5.973		39458	34063
6.064		1826	1182
6.11		12643	9096
6.131	DCB	13380	9679
6.168		28766	26196
6.259		11670	30381
6.339		6095	8721
6.501		1840	1959
6.768		2087	12879

9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082

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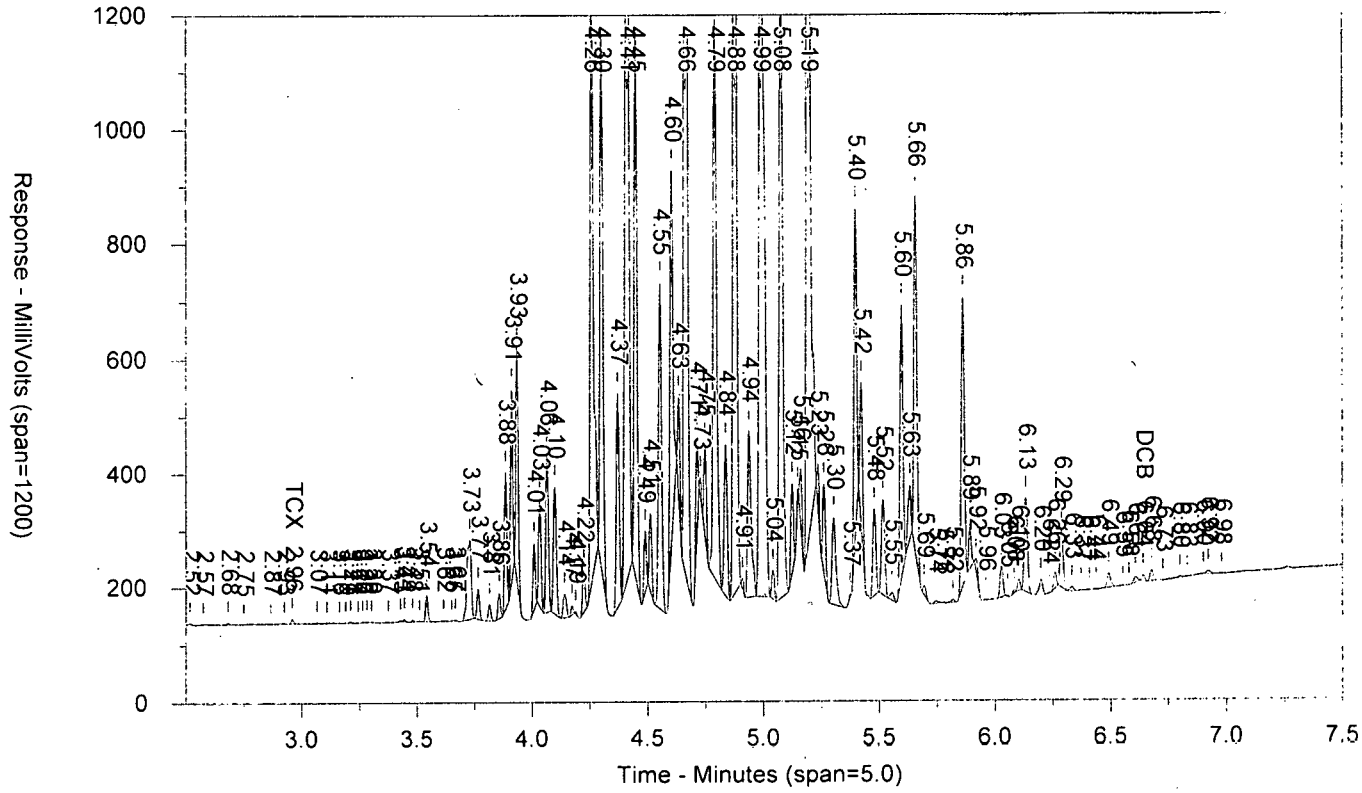

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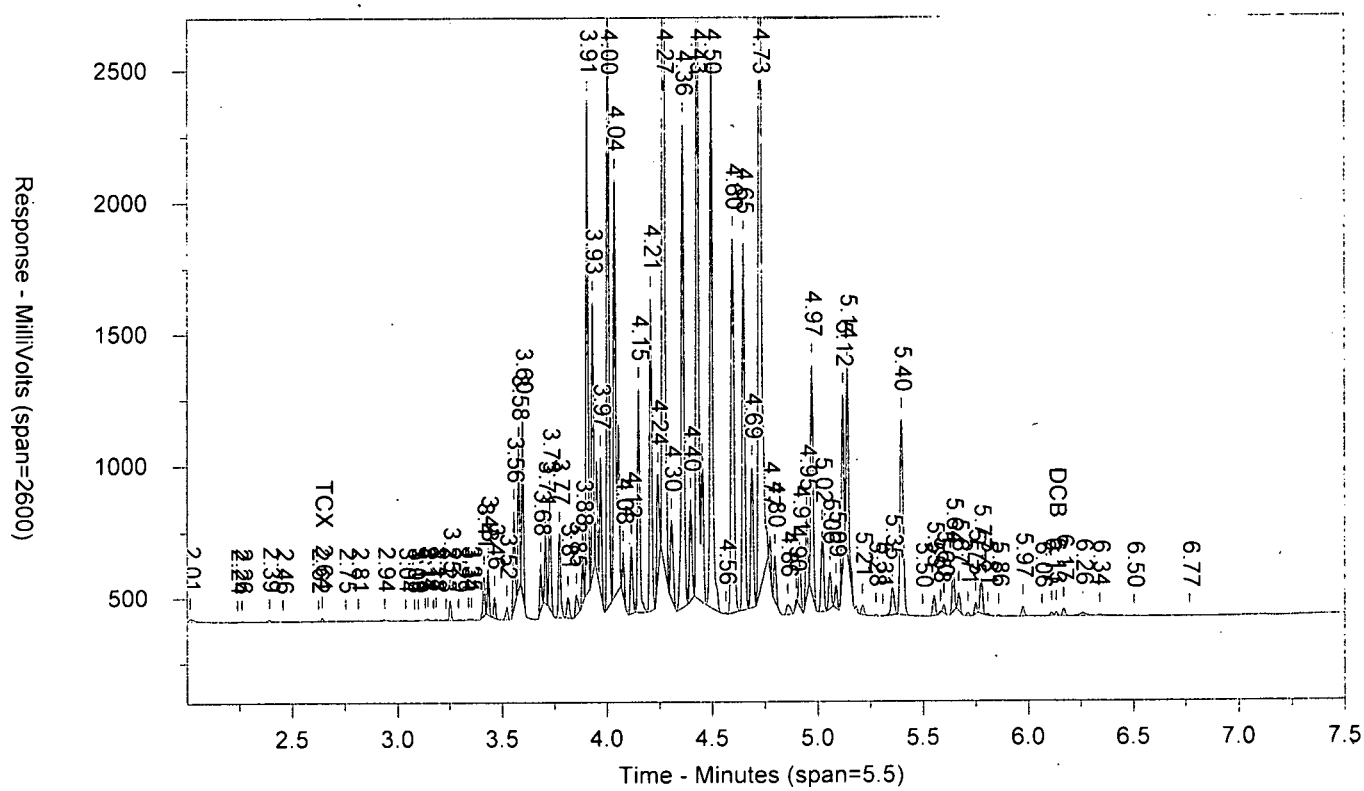

LANCASTER LABORATORIES

Sample Number: 9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:07:17 AM Sample Weight: 10.33
Instrument ID: CP25-18274 Dilution Factor: 10000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	7847	66.833	TCX	2.641	14189	76.845	TCX
6.64	10778	97.985	DCB	6.131	13380	85.78	DCB

Files:
Area File: 25PCBS17257004.087.RAW
Area File: 25PCBS17257004B.087.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:15:50 AM
File Reported On: 9/18/2017 at 10:16:03 AM

9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082

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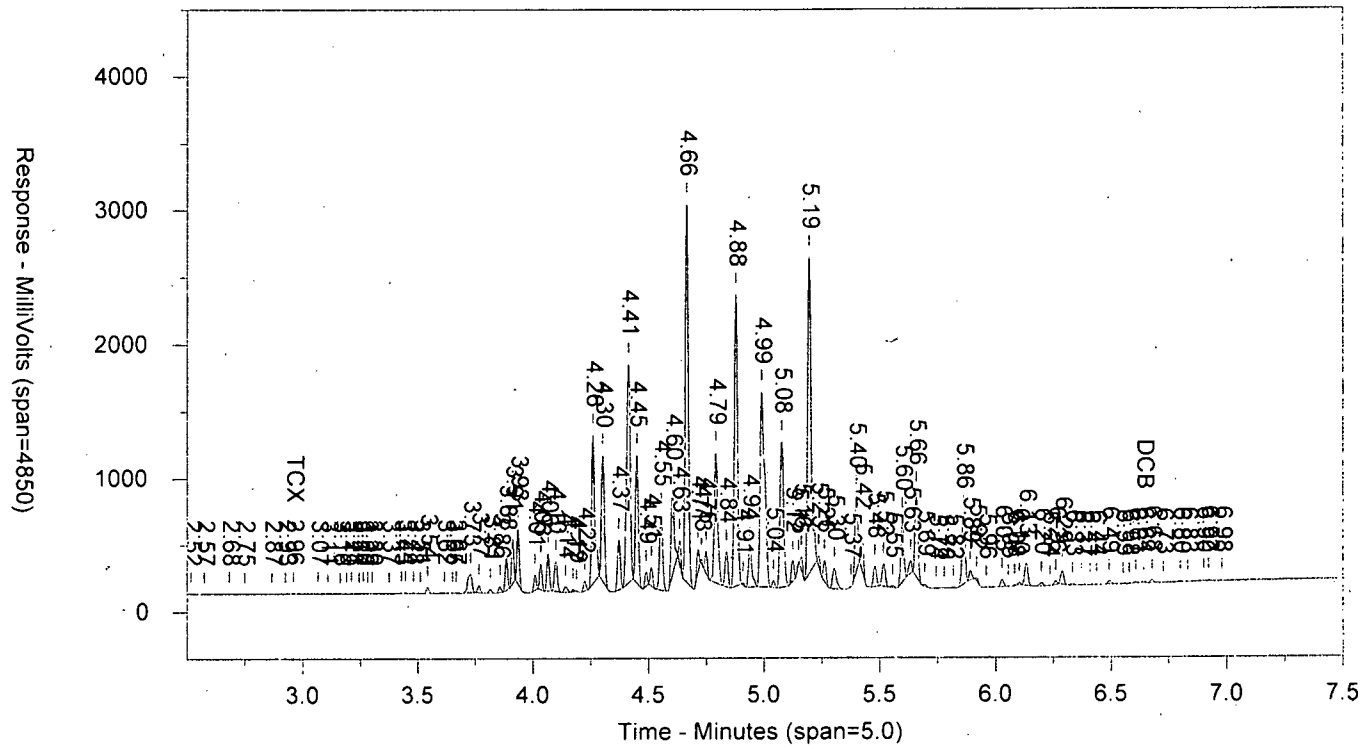

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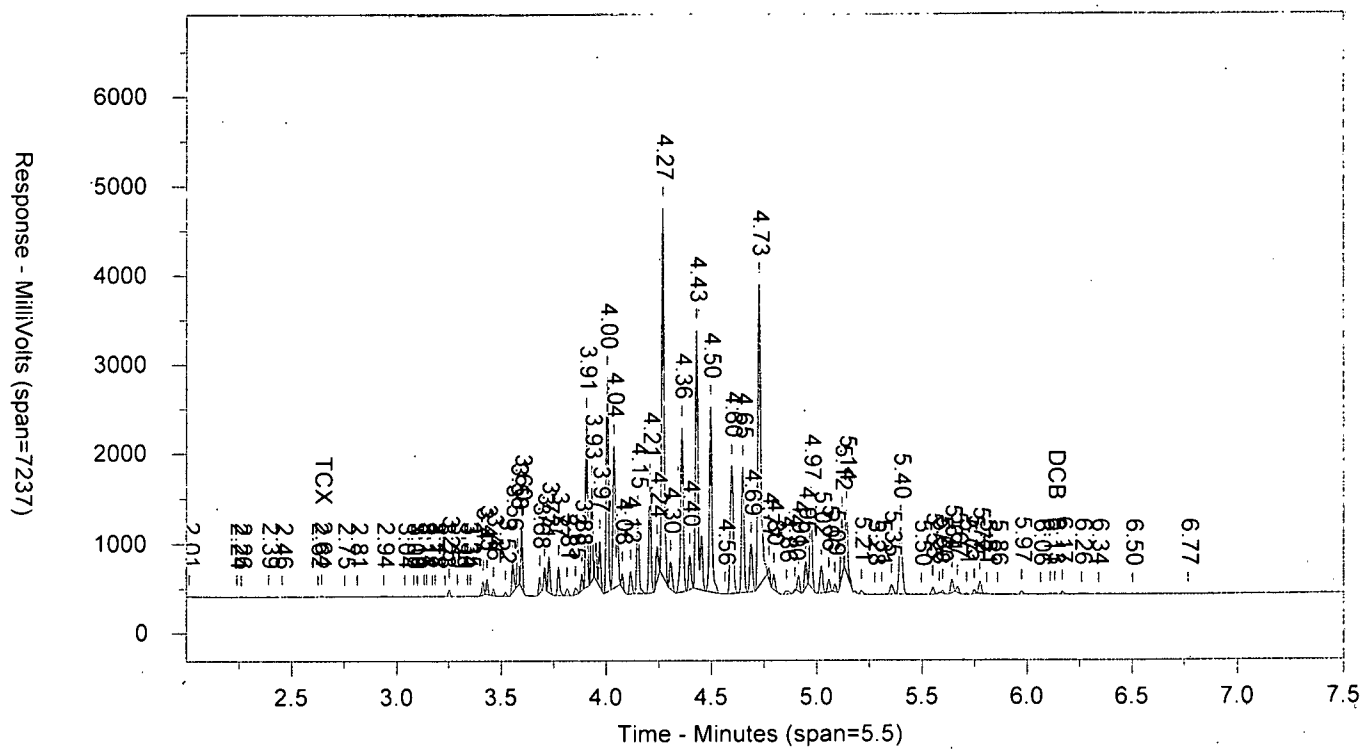

9202620 ACF DF1000 AET199E T 172560011A 10225 SW-846 8082

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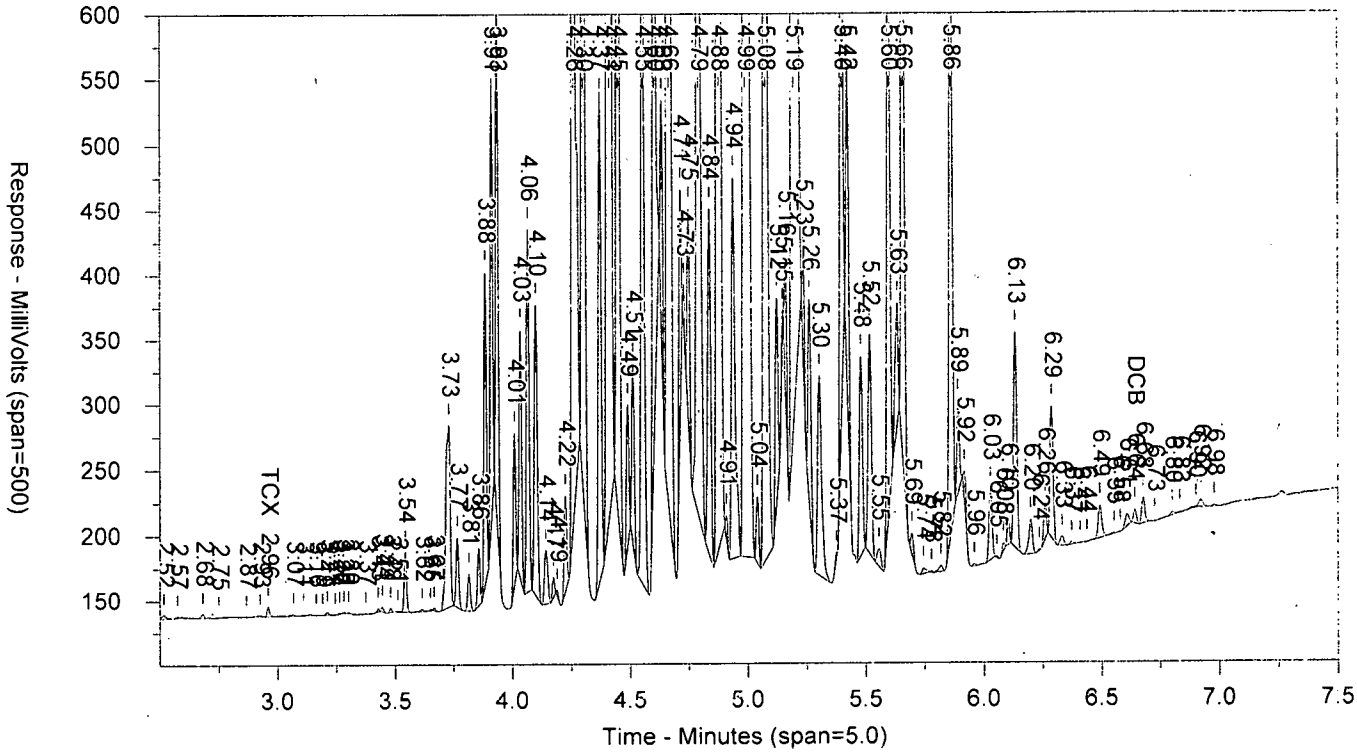

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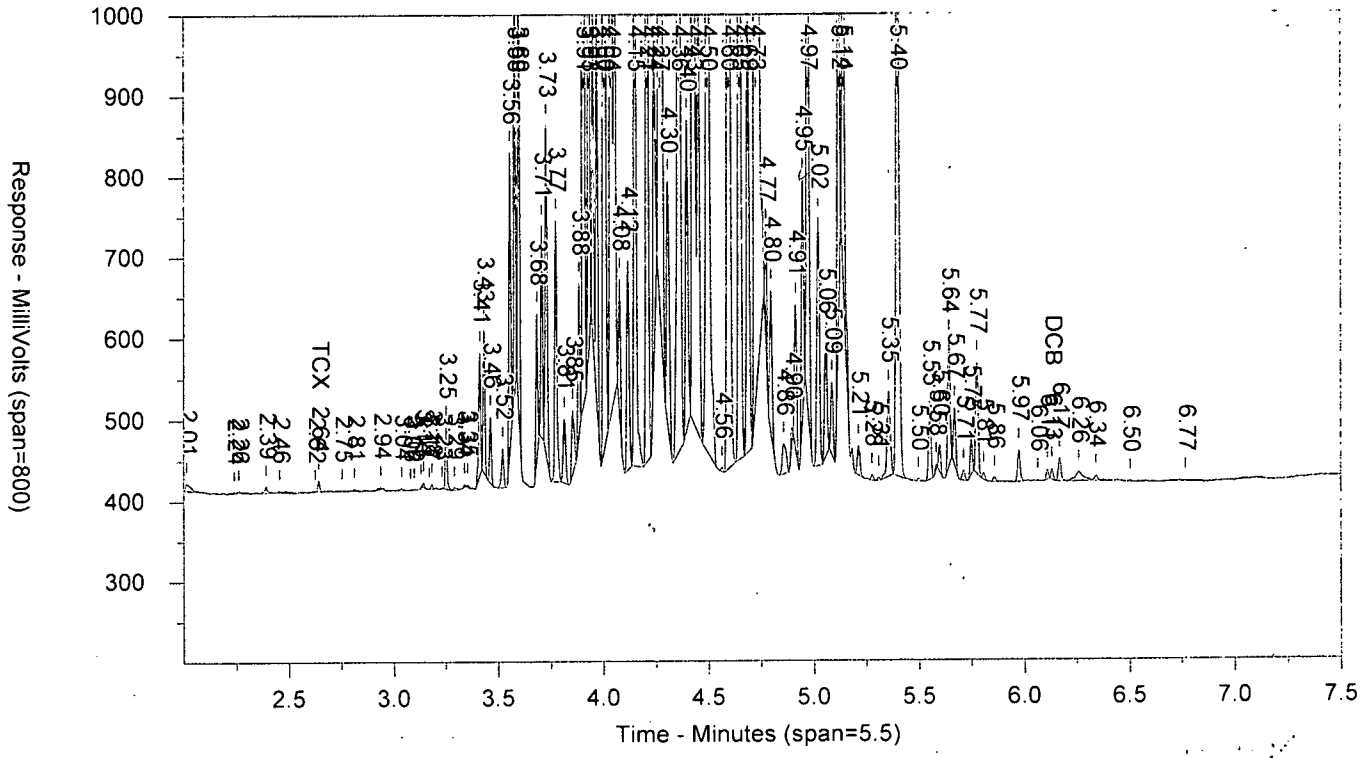

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Data Summary

Sample Name: 9202621 ACF DF10 -100W Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 2855 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 20, 2017 01:36:50
Instrument	18274A
Result file	25PCBS17257006.024.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 86% (61 - 152) Conc: 25.86954
%SSR(DCB) 117% (48 - 164) Conc: 31.09328

Analysis Report (B)

Injected on	Sep 20, 2017 01:36:50
Instrument	18274B
Result file	25PCBS17257006B.024.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 91% (61 - 152) Conc: 27.08479
%SSR(DCB) 104% (48 - 164) Conc: 27.71415

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	300230	25.86954
Decachlorobiphenyl	6.61	6.63	6.67	338058	31.09328

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	494299	27.08479
Decachlorobiphenyl	6.10	6.13	6.16	427263	27.71415

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	27.08479				4.59	
☑	Tetrachloro-m-xylene-D1	A	25.86954					
☑	Tetrachloro-m-xylene-D2	B	27.08479					
☐	Decachlorobiphenyl	A	31.09328				11.49	
☑	Decachlorobiphenyl-D1	A	31.09328					
☑	Decachlorobiphenyl-D2	B	27.71415					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**33.76**	
4.97	4.99	5.01	1345640	2262.263333			1
5.17	5.19	5.21	2151255	2926.010402			2
5.24	5.26	5.28	467849.3	1315.477594			3
5.40	5.42	5.44	514775.8	1369.166095			4
5.64	5.65	5.68	1667264	1596.650467			5
5.84	5.86	5.88	1054586	1638.428232			6

Height summation: **7201370.1**
Concentration CF: **1851.332687** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**40.28**	
4.47	4.49	4.51	1958686	2308.191404			1
4.58	4.59	4.62	1337196	1986.592255			2
4.71	4.72	4.75	2944925	3589.278275			3
4.93	4.94	4.97	728216.1	1293.212825			4
5.12	5.14	5.16	2020126	1525.456039			5
5.38	5.40	5.42	1524509	1656.722808			6

Height summation: **10513658.1**
Concentration CF: **2059.908934** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<499.5103	<96.9638	D1		4	
☑	PCB-1221			<499.5103	<149.8531	D1		3	
☑	PCB-1232			<499.5103	<120.4701	D1		4	
☑	PCB-1242			<499.5103	<120.4701	D1		4	
☑	PCB-1248			<499.5103	<96.9638	D1		4	
☑	PCB-1254			<499.5103	<129.285	D1		4	
☑	PCB-1260	B	2059.908934	499.5103	114.5935	D2	10.67	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 22 2017

Reviewed and digitally signed by Jessica L Miller on 9/20/2017 22:23:44

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202621 ACF DF10 -100W Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274A
Result file : 25PCBS17257006.024.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 86% (61-152) Conc.: 25.86954
%SSR(DCB) : 117% (48-164) Conc.: 31.09328

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	155.60	
3.19	3.21	3.23	1796.216	9.481196			1
+ 3.41	3.41	3.45	780.6586	4.097964			2
+ 3.41	3.43	3.45	623.1127	3.270948			2
3.41	3.44	3.45	1179.602	6.192164			2
3.52	3.54	3.56	3654.078	15.253147			3
3.74	3.76	3.78	7751.748	25.834373			4
3.79	3.81	3.83	4788.666	18.216819			5
3.99	4.01	4.03	32924.82	169.160843			6
Height Summation:			52095.13				
Amount Avg CF:			40.689757	Linear:			
Aroclor-1221					3	86.57	
3.09	3.10	3.13	623.1829	6.420341			1
3.14	3.15	3.18	2355.693	26.190585			2
3.19	3.21	3.23	1796.216	6.683232			3
Height Summation:			4775.0919				
Amount Avg CF:			13.098053	Linear:			
Aroclor-1232					6	166.34	
3.19	3.21	3.23	1796.216	7.992776			1
+ 3.40	3.41	3.44	780.6586	8.96278			2
+ 3.40	3.43	3.44	623.1127	7.153988			2
3.40	3.44	3.44	1179.602	13.543068			2
3.52	3.54	3.56	3654.078	32.673497			3
3.73	3.76	3.77	7751.748	55.802283			4
3.79	3.81	3.83	4788.666	41.497895			5
3.99	4.01	4.03	32924.82	407.293048			6
Height Summation:			52095.13				
Amount Avg CF:			93.133761	Linear:			
Aroclor-1242					6	156.24	
3.19	3.21	3.23	1796.216	6.734362			1
+ 3.41	3.41	3.45	780.6586	3.031927			2
+ 3.41	3.43	3.45	623.1127	2.420049			2
3.41	3.44	3.45	1179.602	4.581346			2
3.52	3.54	3.56	3654.078	11.183201			3
3.74	3.76	3.78	7751.748	18.671136			4
3.80	3.81	3.84	4788.666	13.214191			5
3.99	4.01	4.03	32924.82	124.024776			6
+ 3.99	4.03	4.03	25518.35	96.125283			6
Height Summation:			52095.13				
Amount Avg CF:			29.734835	Linear:			
Aroclor-1248					5	76.30	
3.74	3.76	3.78	7751.748	61.474958			1
3.80	3.81	3.84	4788.666	32.761154			2
3.86	3.88	3.90	72792.12	301.563917			3
3.99	4.01	4.03	32924.82	119.352496			4
4.08	4.10	4.12	50901.73	207.996255			5
Height Summation:			169159.084				
Amount Avg CF:			144.629756	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274B
Result file : 25PCBS17257006B.024.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.08479
%SSR(DCB) : 104% (48-164) Conc.: 27.71415

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					5	153.97	
+ 3.11	3.11	3.15	848.7254	3.421455			2
3.11	3.13	3.15	2493.331	10.051332			2
3.23	3.25	3.27	17767.84	49.762864			3
3.43	3.43	3.47	21482.74	57.484538			4
+ 3.43	3.46	3.47	11211.29	29.999703			4
3.50	3.52	3.54	9853.705	24.640263			5
3.54	3.55	3.58	114053.7	420.212998			6
Height Summation:			165651.316				
Amount Avg CF:			112.430399	Linear:			
Aroclor-1221					2	84.77	
2.79	2.81	2.83	2861.304	16.578865			1
+ 2.79	2.83	2.83	2483.182	14.387964			1
2.85	2.86	2.89	6818.896	66.190781			2
Height Summation:			9680.2				
Amount Avg CF:			41.384823	Linear:			
Aroclor-1232					5	161.65	
+ 3.11	3.11	3.15	848.7254	7.324436			2
3.11	3.13	3.15	2493.331	21.517259			2
3.23	3.25	3.27	17767.84	109.661471			3
3.43	3.43	3.47	21482.74	125.68865			4
+ 3.43	3.46	3.47	11211.29	65.593677			4
3.50	3.52	3.54	9853.705	55.607658			5
3.53	3.55	3.57	114053.7	1081.485304			6
Height Summation:			165651.316				
Amount Avg CF:			278.792068	Linear:			
Aroclor-1242					5	157.15	
+ 3.11	3.11	3.15	848.7254	2.921047			2
3.11	3.13	3.15	2493.331	8.581266			2
3.23	3.25	3.27	17767.84	36.831312			3
3.43	3.43	3.47	21482.74	42.449888			4
+ 3.43	3.46	3.47	11211.29	22.153506			4
3.50	3.52	3.54	9853.705	18.631842			5
3.54	3.55	3.58	114053.7	336.337685			6
Height Summation:			165651.316				
Amount Avg CF:			88.566399	Linear:			
Aroclor-1248					6	110.55	
3.43	3.43	3.47	21482.74	143.325496			1
+ 3.43	3.46	3.47	11211.29	74.797894			1
3.50	3.52	3.54	9853.705	43.115755			2
3.54	3.55	3.58	114053.7	298.018786			3
3.66	3.68	3.70	66562.62	140.266343			4
3.75	3.77	3.79	77579.33	238.972518			5
3.89	3.90	3.93	576300.3	973.202734			6
Height Summation:			865832.395				
Amount Avg CF:			306.150272	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202621** ACF DF10 -100W Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274A
Result file : 25PCBS17257006.024.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**51.74**	
4.24	4.26	4.28	327695.1	1209.598748			1
4.39	4.41	4.43	587420.6	1270.474801			2
4.65	4.66	4.68	1354804	2104.057116			3
4.86	4.87	4.90	874818	1863.049044			4
5.06	5.08	5.10	756016.4	2066.665803			5
5.17	5.19	5.21	2151255	4219.478903			6
+ 5.17	5.21	5.21	69026.46	135.388734			6
Height Summation:			**6052009.1**				
Amount Avg CF:			**2122.220736**	Linear:			
Aroclor-1260					**6**	**33.76**	
4.97	4.99	5.01	1345640	2262.263333			1
5.17	5.19	5.21	2151255	2926.010402			2
+ 5.17	5.21	5.21	69026.46	93.885727			2
5.24	5.26	5.28	467849.3	1315.477594			3
5.40	5.42	5.44	514775.8	1369.166095			4
5.64	5.65	5.68	1667264	1596.650467			5
5.84	5.86	5.88	1054586	1638.428232			6
Height Summation:			**7201370.1**				
Amount Avg CF:			**1851.332687**	Linear:			
Aroclor-1262					**6**	**36.44**	
5.25	5.26	5.29	467849.3	787.038549			1
5.41	5.42	5.45	514775.8	979.862113			2
5.64	5.65	5.68	1667264	1261.893277			3
5.85	5.86	5.89	1054586	1327.261767			4
5.90	5.91	5.94	157184.9	402.369209			5
6.27	6.28	6.31	400402.6	837.826572			6
Height Summation:			**4262062.6**				
Amount Avg CF:			**932.708581**	Linear:			
Aroclor-1268					**6**	**95.78**	
5.84	5.86	5.88	1054586	732.126389			1
5.90	5.91	5.94	157184.9	124.563631			2
6.03	6.05	6.07	10899.85	9.057523			3
+ 6.10	6.10	6.14	39974.3	126.74033			4
6.10	6.13	6.14	228660	724.976896			4
6.27	6.28	6.31	400402.6	757.718291			5
6.47	6.49	6.51	86406.77	21.526464			6
Height Summation:			**1938140.12**				
Amount Avg CF:			**394.994866**	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274B
Result file : 25PCBS17257006B.024.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					**6**	**48.84**	
4.25	4.26	4.29	1836202	2031.522413			1
4.34	4.36	4.38	1451587	3418.485453			2
4.41	4.43	4.45	1084235	1735.039504			3
+ 4.41	4.45	4.45	464538.9	743.375138			3
4.48	4.49	4.51	1958686	5245.173484			4
4.63	4.65	4.67	721405.1	1643.108733			5
4.71	4.72	4.75	2944925	4236.979216			6
Height Summation:			**9997040.1**				
Amount Avg CF:			**3051.718134**	Linear:			
Aroclor-1260					**6**	**40.28**	
4.47	4.49	4.51	1958686	2308.191404			1
4.58	4.59	4.62	1337196	1986.592255			2
4.71	4.72	4.75	2944925	3589.278275			3
4.93	4.94	4.97	728216.1	1293.212825			4
5.12	5.14	5.16	2020126	1525.456039			5
5.38	5.40	5.42	1524509	1656.722808			6
Height Summation:			**10513658.1**				
Amount Avg CF:			**2059.908934**	Linear:			
Aroclor-1262					**6**	**38.90**	
4.74	4.75	4.78	414478.2	502.636643			1
4.93	4.94	4.97	728216.1	885.004848			2
+ 4.93	4.97	4.97	631671.5	767.673689			2
5.12	5.14	5.16	2020126	1160.053217			3
5.34	5.35	5.38	326255.2	487.771893			4
5.38	5.40	5.42	1524509	1305.953353			5
5.76	5.77	5.80	523716.9	811.785678			6
Height Summation:			**5537301.4**				
Amount Avg CF:			**858.867605**	Linear:			
Aroclor-1268					**6**	**105.55**	
5.33	5.35	5.37	326255.2	167.442758			1
5.38	5.40	5.42	1524509	797.359466			2
5.53	5.55	5.57	64123.54	40.018771			3
+ 5.60	5.62	5.64	6978.748	16.689386			4
5.60	5.64	5.64	88231.62	211.002255			4
5.75	5.77	5.79	523716.9	724.313905			5
5.95	5.97	5.99	120222.7	20.116016			6
Height Summation:			**2647058.96**				
Amount Avg CF:			**326.708862**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			499.5103	96.9638		** 93.71	4	40	
Aroclor-1221			499.5103	149.8531		** 103.84	3	5	
Aroclor-1232			499.5103	120.4701		** 99.84	4	10	
Aroclor-1242			499.5103	120.4701		** 99.46	4	30	
Aroclor-1248			499.5103	96.9638		** 71.66	4	40	
Aroclor-1254			499.5103	129.285		35.93	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202621 ACF DF10 -100W Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.21 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274A
Result file : 25PCBS17257006.024.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 20, 2017 01:36:50
Instrument : CP25--18274B
Result file : 25PCBS17257006B.024.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1260			499.5103	114.5935		10.67	4	40	
Aroclor-1262			499.5103	96.9638		8.24	4	40	
Aroclor-1268			499.5103	96.9638		18.92	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202621 ACF DF10 AD-100W T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 1:36:50 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.041		423	185
2.075		4735	6342
2.102		5350	8564
2.165		12955	8949
2.232		11111	7430
2.256		702	381
2.287		359	132
2.31		866	772
2.358		1328	1508
2.396		1126	1416
2.423		1645	1138
2.457		1163	696
2.471		1434	688
2.513		2657	3220
2.588		776	865
2.663		1362	733
2.681		6230	3939
2.732		591	456
2.766		1315	878
2.833		1011	1025
2.907		661	487
2.924		1000	530
2.958	TCX	300230	210544
3.015		708	665
3.047		907	556
3.064		1428	927
3.102		623	602
3.134		474	260
3.154		2356	1823
3.211		1796	1510
3.261		8930	5502
3.278		9657	5664
3.37		538	871
3.411		781	471
3.425		623	194
3.441		1180	815
3.513		1521	1808
3.54		3654	2829
3.586		728	547
3.614		1454	1038
3.64		1334	1034
3.662		788	479
3.727		16093	22145
3.761		7752	7065
3.811		4789	4148
3.854		4726	3477
3.882		72792	53828
3.909		59488	39627
3.932		58658	39162
4.006		32925	24121
4.03		25518	17949
4.062		44703	34205
4.095		50902	44618
4.139		9075	8738

RT A	Compound A	Height A	Area A
4.169		6999	7286
4.221		17603	13505
4.256		327695	344658
4.298		199253	184802
4.368		174572	147859
4.411		587421	622139
4.445		337858	284035
4.486		43943	30704
4.508		45275	32845
4.55		202638	188685
4.6		204762	152928
4.617		23058	9025
4.631		69390	43776
4.662		1354804	1218219
4.711		198626	150990
4.726		30485	13556
4.747		86251	54372
4.787		896949	888524
4.833		115007	101171
4.874		874818	845805
4.906		12680	7385
4.934		266404	273131
4.986		1345640	1809174
5.038		128586	112647
5.076		756016	852248
5.12		107510	77529
5.156		160435	214094
5.19		2151255	1947418
5.213		69026	32886
5.231		49384	26052
5.258		467849	418554
5.3		340817	349826
5.371		5715	4370
5.395		458927	364881
5.419		514776	424850
5.475		320825	300787
5.513		216049	196844
5.536		3607	1463
5.555		13165	11569
5.594		336010	336418
5.627		36330	29977
5.654		1667264	1581663
5.74		7115	5238
5.754		1586	702
5.773		2960	1736
5.798		1804	1449
5.813		2188	1434
5.858		1054586	1011856
5.889		78591	55908
5.913		157185	160716
5.957		1637	1059
5.987		1374	1199
6.023		33803	29375
6.05		10900	8393
6.08		1309	1144
6.098		39974	29505
6.128		228660	215597
6.169		812	843
6.192		13061	11632
6.231		1213	863
6.256		13713	9504
6.283		400403	394849
6.328		29891	29277
6.381		554	404
6.403		1837	2214
6.486		86407	93598

RT A	Compound A	Height A	Area A
6.538		991	799
6.607		1528	3719
6.635	DCB	338058	355479
6.669		9094	6884
6.696		707	446
6.709		944	672
6.744		487	293
6.798		2041	2282
6.812		566	132
6.842		1380	1231
6.878		5841	6425
6.918		5240	7636
6.967		2136	2501

LANCASTER LABORATORIES

Sample Number: 9202621 ACF DF10 AD-100W T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 1:36:50 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		11370	17753
2.142		5820	7471
2.19		4140	3088
2.239		1452	836
2.255		3406	2735
2.318		1609	1726
2.336		3775	4408
2.391		13854	13108
2.461		4322	5508
2.515		2211	1564
2.563		3040	3428
2.591		1830	1687
2.641	TCX	494299	292457
2.669		5401	7492
2.701		3439	1836
2.731		4997	9473
2.786		2390	2024
2.809		2861	1855
2.829		2483	1657
2.858		6819	6772
2.894		2015	1001
2.947		24181	30280
3.042		1769	3209
3.062		1338	288
3.068		525	113
3.081		595	337
3.096		926	427
3.114		849	357
3.133		2493	1776
3.165		921	462
3.186		2003	1303
3.252		17768	32971
3.293		17966	20575
3.322		1475	442
3.343		1806	1729
3.379		4199	2588
3.411		21754	14032
3.43		21483	13328
3.46		11211	7971
3.518		9854	8503
3.553		114054	69753
3.576		97476	53245
3.594		102363	58733
3.68		66563	47553
3.703		40688	22153
3.724		72433	50792
3.769		77579	58743
3.809		18505	15297
3.851		23533	18187
3.881		41838	23094
3.903		576300	387543
3.929		192172	113400
3.966		243893	245201
4.002		921089	646988

RT B	Compound B	Height B	Area B
4.034		524607	485365
4.074		73758	52330
4.113		106083	93358
4.147		300782	246915
4.204		464329	342558
4.238		186948	161308
4.264		1836202	1569578
4.303		254780	237019
4.356		1451587	1218726
4.393		168344	147201
4.425		1084235	766385
4.45		464539	314440
4.492		1958686	1584198
4.594		1337196	1320886
4.645		721405	601291
4.685		530816	461188
4.723		2944925	2452998
4.755		414478	279761
4.794		410022	327586
4.853		27677	36601
4.893		79846	52479
4.91		108656	68590
4.944		728216	552343
4.968		631672	460640
5.018		534860	475623
5.054		255913	206439
5.082		176494	140356
5.115		306592	204064
5.137		2020126	1632236
5.178		48797	33062
5.209		63306	56861
5.252		2230	1477
5.274		17590	12352
5.306		10677	7696
5.327		13456	8015
5.351		326255	284221
5.395		1524509	1532447
5.451		4219	5579
5.493		2745	2918
5.548		64124	56207
5.594		66117	59777
5.618		6979	3775
5.64		88232	65828
5.667		220768	181180
5.705		12930	13400
5.746		24845	16634
5.772		523717	437233
5.803		35775	27449
5.851		4994	3960
5.913		2019	1998
5.97		120223	98481
6.129	DCB	427263	386036
6.165		18434	16426
6.257		10771	31575
6.333		79023	70358
6.395		3748	2256
6.465		2530	1718
6.495		4533	4237
6.55		3226	2615
6.571		5524	3404
6.603		5574	5808
6.664		2238	2133
6.735		5755	7043
6.814		2373	3857
6.964		2763	13267

9202621 ACF DF10 AD-100W T 172560011A 10225 SW-846 8082

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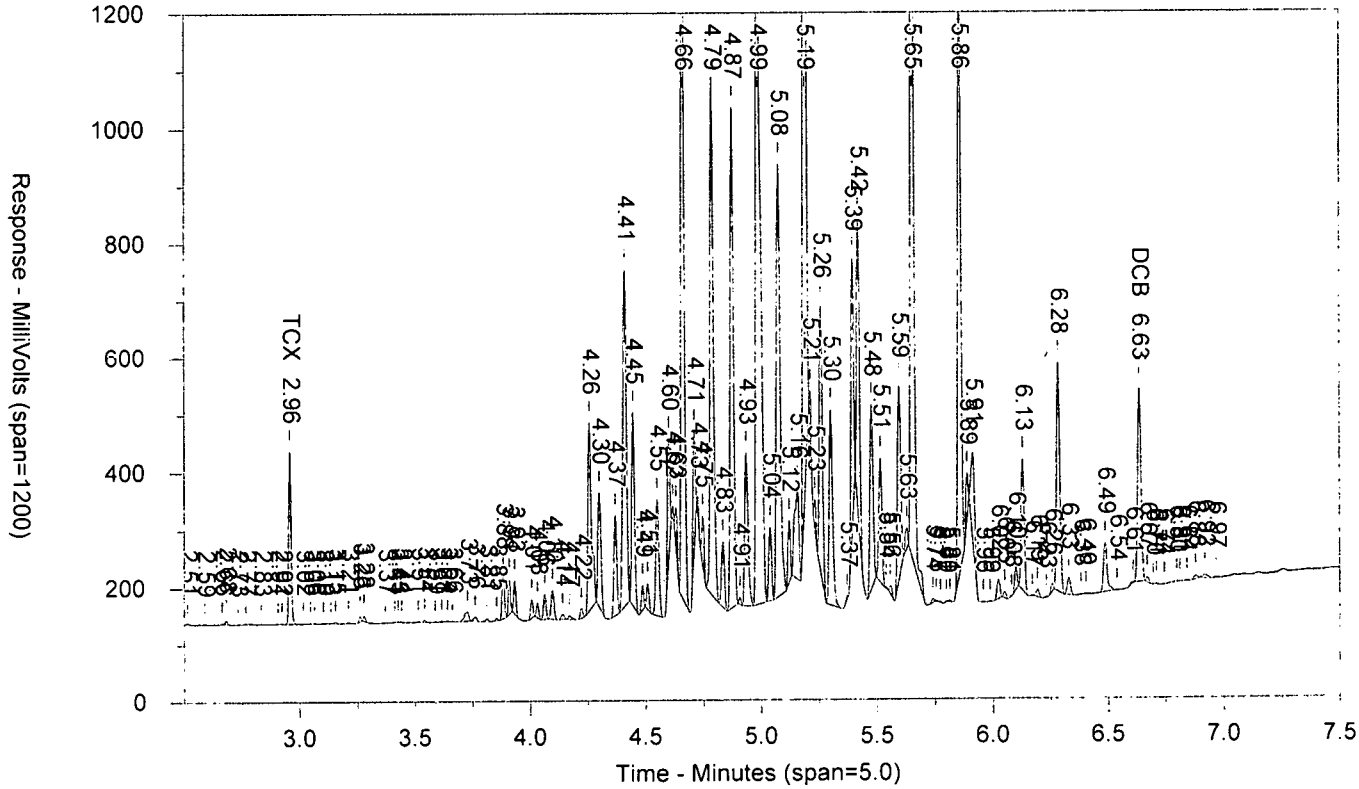

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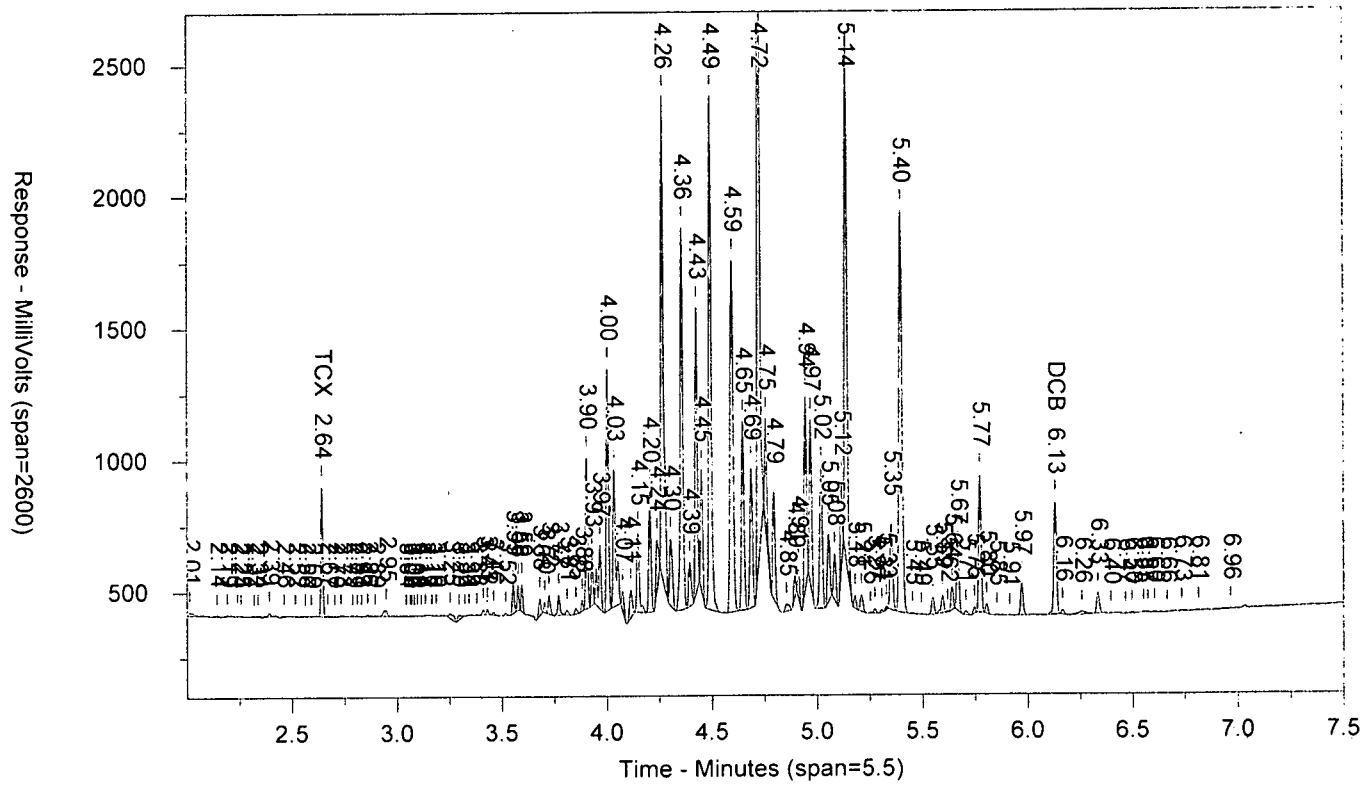

LANCASTER LABORATORIES

Sample Number: 9202621 ACF DF10 AD-100W T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 1:36:50 AM Sample Weight: 10.21
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.958	300230	25.87	TCX	2.641	494299	27.085	TCX
6.635	338058	31.093	DCB	6.129	427263	27.714	DCB

Files:
Area File: 25pcbs17257006.024.RAW
Area File: 25pcbs17257006B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 1:45:24 AM
File Reported On: 9/20/2017 at 1:45:41 AM

9202621 ACF DF10 AD-100W T 172560011A 10225 **SW-846 8082**

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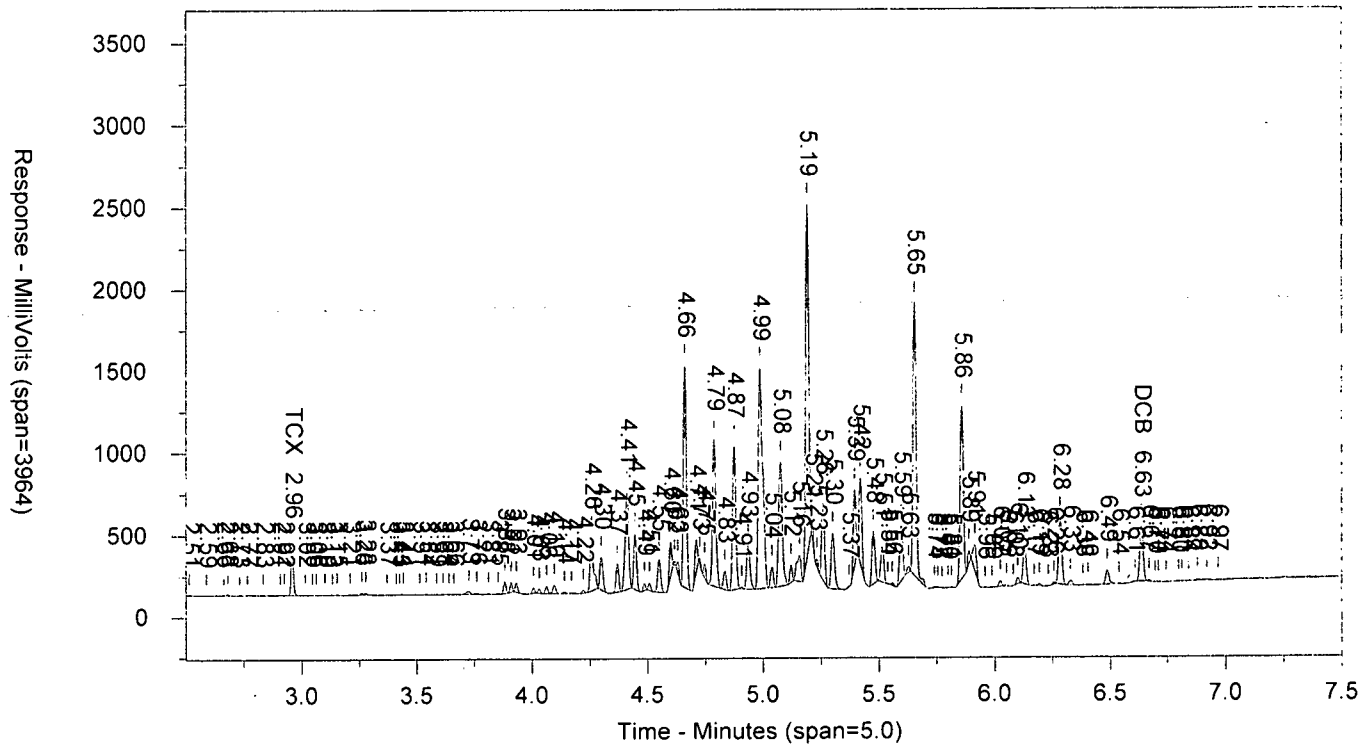

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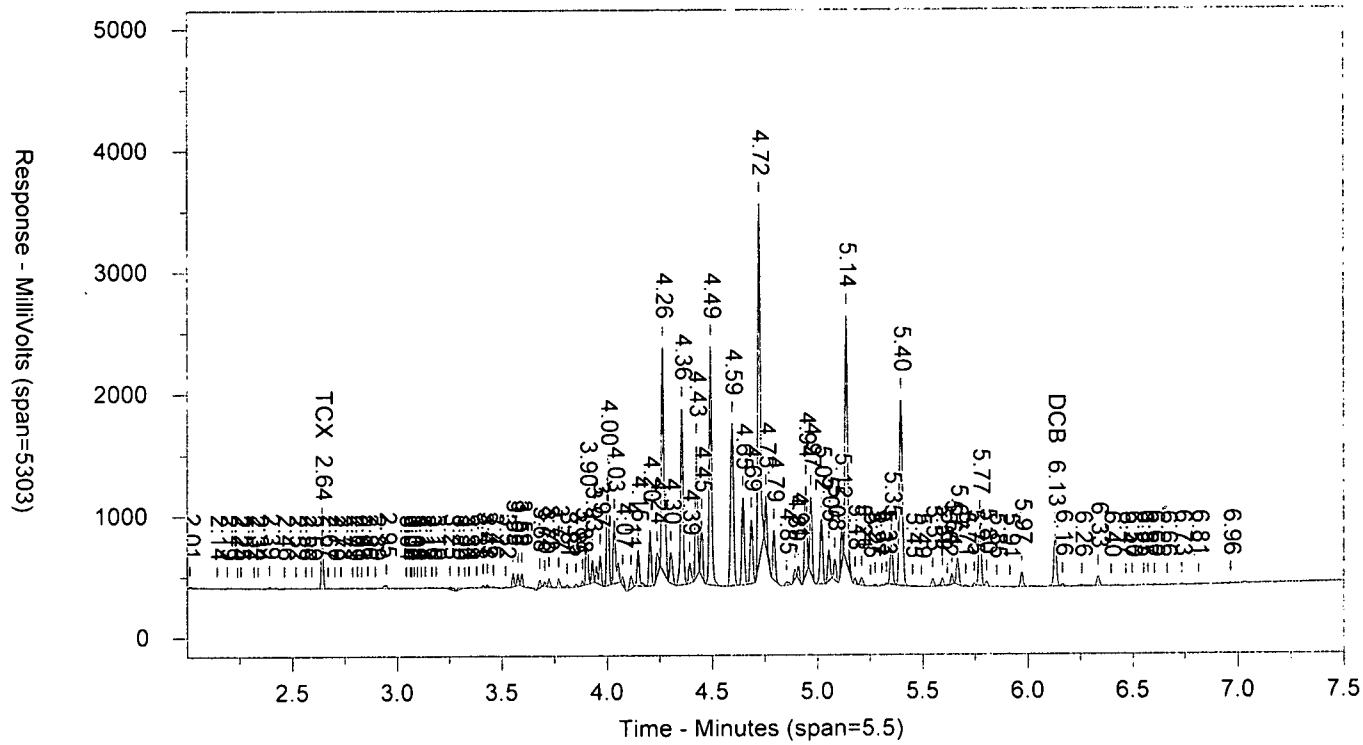

9202621 ACF DF10 AD-100W T 172560011A 10225 SW-846 8082

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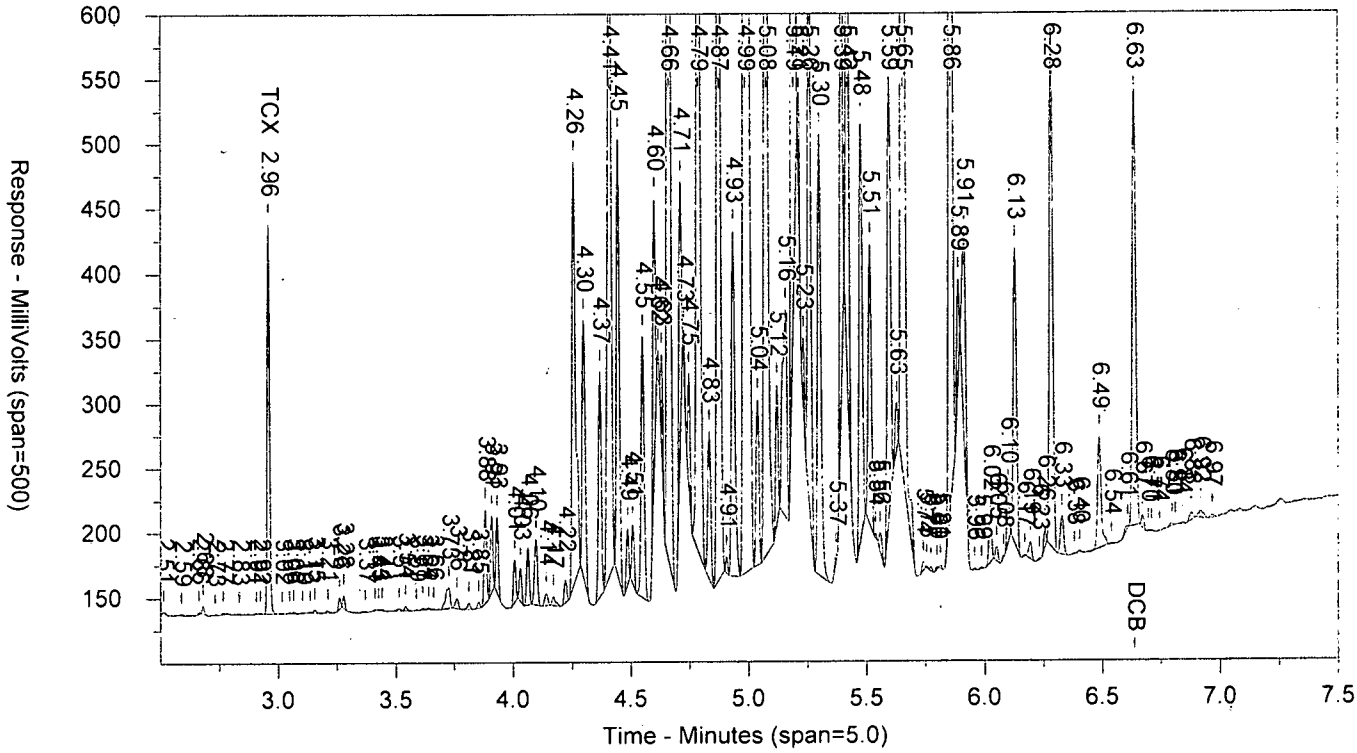

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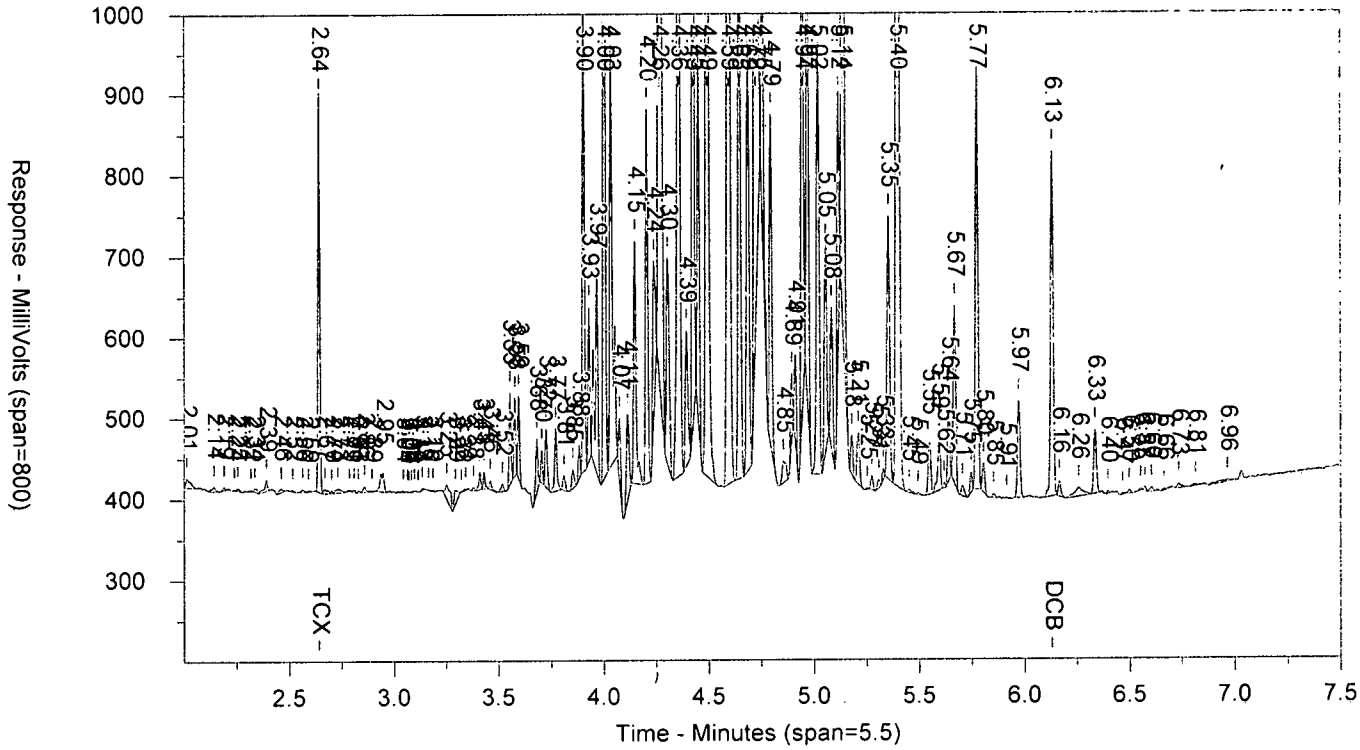

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Data Summary

Sample Name: 9202622 ACF DF100 -100E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.26 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 10:29:39
Instrument	18274A
Result file	25PCBS17257004.089.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 98% (61 - 152) Conc: 29.32304
%SSR(DCB) 163% (48 - 164) Conc: 43.18859

Analysis Report (B)

Injected on	Sep 18, 2017 10:29:39
Instrument	18274B
Result file	25PCBS17257004B.089.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 113% (61 - 152) Conc: 33.56615
%SSR(DCB) 137% (48 - 164) Conc: 36.17304

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	34198	29.32304
Decachlorobiphenyl	6.61	6.64	6.67	47186	43.18859

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	61558	33.56615
Decachlorobiphenyl	6.10	6.13	6.16	56040	36.17304

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	33.56615				13.49	
☑	Tetrachloro-m-xylene-D1	A	29.32304					
☑	Tetrachloro-m-xylene-D2	B	33.56615					
☐	Decachlorobiphenyl	A	43.18859				17.68	
☑	Decachlorobiphenyl-D1	A	43.18859					
☑	Decachlorobiphenyl-D2	B	36.17304					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**14.56**	
4.24	4.26	4.28	379099.8	13925.260167			1
4.39	4.41	4.43	601102.3	12937.300147			2
4.65	4.66	4.68	1101312	17020.401766			3
Height summation:			**2081514.1**				
Concentration		CF:	**14627.654027**	L:			
Aroclor-1260						**11.77**	
5.40	5.42	5.44	246392.5	6521.445651			4
5.64	5.65	5.68	697179.2	6643.979482			5
5.84	5.86	5.88	518592.6	8017.705828			6
Height summation:			**1462164.3**				
Concentration		CF:	**7061.043654**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**15.61**	
4.25	4.27	4.29	1606255	17684.550921			1
4.34	4.36	4.38	939833.8	22025.212497			2
4.41	4.43	4.45	1033977	16465.510666			3
Height summation:			**3580065.8**				
Concentration		CF:	**18725.091361**	L:			
Aroclor-1260						**13.83**	
4.93	4.94	4.97	332385.5	5873.949082			4
5.12	5.14	5.16	873194.4	6561.612228			5
5.38	5.40	5.42	713188.8	7712.634564			6
Height summation:			**1918768.7**				
Concentration		CF:	**6716.065291**	L:			

Valerie L. Tomaylo
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:07

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Data Summary

Sample Name: 9202622 ACF DF100 -100E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.26 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 10:29:39
Instrument	18274A
Result file	25PCBS17257004.089.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 10:29:39
Instrument	18274B
Result file	25PCBS17257004B.089.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<4970.7605	<964.9123	D1		4	
☑ PCB-1221			<4970.7605	<1491.2281	D1		3	
☑ PCB-1232			<4970.7605	<1198.8305	D1		4	
☑ PCB-1242			<4970.7605	<1198.8305	D1		4	
☑ PCB-1248			<4970.7605	<964.9123	D1		4	
☑ PCB-1254	B	18725.091361	4970.7605	1286.5498	D2	24.57	4	
☑ PCB-1260	A	7061.043654	4970.7605	1140.3509	D1	5.01	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:07

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202622** ACF DF100 -100E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.26 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274A
Result file : 25PCBS17257004.089.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 98% (61-152) Conc.: 29.32304
%SSR(DCB) : 163% (48-164) Conc.: 43.18859

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**127.31**	
3.19	3.21	3.23	1246.557	65.477953			1
+ 3.41	3.42	3.45	766.5929	40.045171			2
3.41	3.44	3.45	1096.472	57.277349			2
3.52	3.54	3.56	10918.43	453.54483			3
3.74	3.76	3.78	16072.22	533.031072			4
3.79	3.81	3.83	8403.358	318.118741			5
3.99	4.01	4.03	39176.37	2002.991033			6
Height Summation:			**76913.407**				
Amount Avg CF:			**571.740163**	Linear:			
Aroclor-1221					**1**		
3.19	3.21	3.23	1246.557	46.154971			3
Height Summation:			**1246.557**				
Amount Avg CF:			**46.154971**	Linear:			
Aroclor-1232					**6**	**135.86**	
3.19	3.21	3.23	1246.557	55.198794			1
+ 3.40	3.42	3.44	766.5929	87.583994			2
3.40	3.44	3.44	1096.472	125.273007			2
3.52	3.54	3.56	10918.43	971.530374			3
3.73	3.76	3.77	16072.22	1151.347892			4
3.79	3.81	3.83	8403.358	724.67415			5
3.99	4.01	4.03	39176.37	4822.654638			6
Height Summation:			**76913.407**				
Amount Avg CF:			**1308.446476**	Linear:			
Aroclor-1242					**6**	**127.87**	
3.19	3.21	3.23	1246.557	46.508082			1
+ 3.41	3.42	3.45	766.5929	29.627893			2
3.41	3.44	3.45	1096.472	42.377323			2
3.52	3.54	3.56	10918.43	332.526983			3
3.74	3.76	3.78	16072.22	385.234659			4
3.80	3.81	3.84	8403.358	230.758278			5
3.99	4.01	4.03	39176.37	1468.546207			6
Height Summation:			**76913.407**				
Amount Avg CF:			**417.658589**	Linear:			
Aroclor-1248					**6**	**130.56**	
3.74	3.76	3.78	16072.22	1268.390105			1
3.80	3.81	3.84	8403.358	572.105191			2
3.86	3.88	3.90	89411.27	3686.087612			3
3.99	4.01	4.03	39176.37	1413.222916			4
4.08	4.10	4.12	76163.34	3097.043708			5
4.26	4.26	4.30	379099.8	15077.269942			6
Height Summation:			**608326.358**				
Amount Avg CF:			**4185.686579**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274B
Result file : 25PCBS17257004B.089.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 113% (61-152) Conc.: 33.56615
%SSR(DCB) : 137% (48-164) Conc.: 36.17304

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**141.69**	
2.91	2.94	2.95	9600.82	317.137283			1
+ 3.11	3.11	3.15	554.0078	22.224803			2
+ 3.11	3.13	3.15	1204.913	48.336783			2
3.11	3.14	3.15	1836.054	73.655893			2
3.23	3.25	3.27	24698.41	688.363942			3
3.43	3.43	3.47	58127.61	1547.826303			4
+ 3.43	3.46	3.47	24649.7	656.374037			4
3.50	3.52	3.54	14990.97	373.038714			5
3.54	3.55	3.58	140051.4	5134.828452			6
Height Summation:			**249305.264**				
Amount Avg CF:			**1355.808431**	Linear:			
Aroclor-1221					**2**	**18.40**	
2.85	2.86	2.89	1807.75	174.622494			2
2.91	2.94	2.95	9600.82	226.854568			3
Height Summation:			**11408.57**				
Amount Avg CF:			**200.738531**	Linear:			
Aroclor-1232					**6**	**155.69**	
2.91	2.94	2.95	9600.82	272.832758			1
+ 3.11	3.11	3.15	554.0078	47.577462			2
+ 3.11	3.13	3.15	1204.913	103.476345			2
3.11	3.14	3.15	1836.054	157.677905			2
3.23	3.25	3.27	24698.41	1516.93443			3
3.43	3.43	3.47	58127.61	3384.287398			4
+ 3.43	3.46	3.47	24649.7	1435.147068			4
3.50	3.52	3.54	14990.97	841.86637			5
3.53	3.55	3.57	140051.4	13215.301609			6
Height Summation:			**249305.264**				
Amount Avg CF:			**3231.483412**	Linear:			
Aroclor-1242					**6**	**145.97**	
2.91	2.94	2.95	9600.82	232.730818			1
+ 3.11	3.11	3.15	554.0078	18.974296			2
+ 3.11	3.13	3.15	1204.913	41.267245			2
3.11	3.14	3.15	1836.054	62.883288			2
3.23	3.25	3.27	24698.41	509.483276			3
3.43	3.43	3.47	58127.61	1143.003943			4
+ 3.43	3.46	3.47	24649.7	484.704331			4
3.50	3.52	3.54	14990.97	282.074841			5
3.54	3.55	3.58	140051.4	4109.906939			6
Height Summation:			**249305.264**				
Amount Avg CF:			**1056.680518**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202622** ACF DF100 -100E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.26 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274A
Result file : 25PCBS17257004.089.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	29.36	
4.24	4.26	4.28	379099.8	13925.260167			1
4.39	4.41	4.43	601102.3	12937.300147			2
4.65	4.66	4.68	1101312	17020.401766			3
4.86	4.87	4.90	807558.4	17114.290423			4
5.06	5.07	5.10	503282.2	13690.805122			5
5.17	5.19	5.21	1344011	26233.010411			6
Height Summation:			**4736365.7**				
Amount Avg CF:			**16820.178006**	Linear:			
Aroclor-1260					6	51.29	
4.97	4.99	5.01	833230.6	13939.842291			1
5.17	5.19	5.21	1344011	18191.360378			2
5.24	5.26	5.28	206614.4	5781.1793			3
5.40	5.42	5.44	246392.5	6521.445651			4
5.64	5.65	5.68	697179.2	6643.979482			5
5.84	5.86	5.88	518592.6	8017.705828			6
Height Summation:			**3846020.3**				
Amount Avg CF:			**9849.252155**	Linear:			
Aroclor-1262					6	40.64	
5.25	5.26	5.29	206614.4	3458.828178			1
5.41	5.42	5.45	246392.5	4667.160207			2
5.64	5.65	5.68	697179.2	5250.988372			3
5.85	5.86	5.89	518592.6	6495.001852			4
5.90	5.91	5.94	64764.89	1649.802396			5
6.27	6.29	6.31	163700.6	3408.677339			6
Height Summation:			**1897244.19**				
Amount Avg CF:			**4155.076391**	Linear:			
Aroclor-1268					6	98.81	
5.84	5.86	5.88	518592.6	3582.686076			1
5.90	5.91	5.94	64764.89	510.738327			2
6.03	6.05	6.07	3268.628	27.029177			3
+ 6.10	6.10	6.14	18572.19	585.970114			4
6.10	6.13	6.14	124569.7	3930.291544			4
6.27	6.29	6.31	163700.6	3082.758717			5
6.47	6.49	6.51	34987.68	86.739809			6
Height Summation:			**909884.098**				
Amount Avg CF:			**1870.040608**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274B
Result file : 25PCBS17257004B.089.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	91.45	
3.43	3.43	3.47	58127.61	3859.176398			1
+ 3.43	3.46	3.47	24649.7	1636.529361			1
3.50	3.52	3.54	14990.97	652.746508			2
3.54	3.55	3.58	140051.4	3641.665892			3
3.66	3.68	3.70	66101.88	1386.166052			4
3.75	3.77	3.79	110776.3	3395.68325			5
3.89	3.90	3.93	647433.8	10879.983195			6
Height Summation:			**1037481.96**				
Amount Avg CF:			**3969.236883**	Linear:			
Aroclor-1254					6	33.72	
4.25	4.27	4.29	1606255	17684.550921			1
4.34	4.36	4.38	939833.8	22025.212497			2
4.41	4.43	4.45	1033977	16465.510666			3
4.48	4.49	4.51	1201646	32022.111422			4
4.63	4.65	4.67	557890.2	12644.865361			5
4.71	4.72	4.75	1873498	26823.392832			6
Height Summation:			**7213100**				
Amount Avg CF:			**21277.607283**	Linear:			
Aroclor-1260					6	55.69	
4.47	4.49	4.51	1201646	14091.652554			1
4.58	4.59	4.62	791530.4	11701.988035			2
4.71	4.72	4.75	1873498	22722.939206			3
4.93	4.94	4.97	332385.5	5873.949082			4
5.12	5.14	5.16	873194.4	6561.612228			5
5.38	5.40	5.42	713188.8	7712.634564			6
Height Summation:			**5785443.1**				
Amount Avg CF:			**11444.129278**	Linear:			
Aroclor-1262					5	34.52	
+ 4.93	4.94	4.97	332385.5	4019.812758			2
4.93	4.97	4.97	411809.8	4980.356507			2
5.12	5.14	5.16	873194.4	4989.864789			3
5.34	5.35	5.38	146661.5	2181.995412			4
5.38	5.40	5.42	713188.8	6079.677857			5
5.76	5.77	5.80	232683.6	3589.128043			6
Height Summation:			**2377538.1**				
Amount Avg CF:			**4364.204522**	Linear:			
Aroclor-1268					6	93.94	
5.33	5.35	5.37	146661.5	749.037274			1
5.38	5.40	5.42	713188.8	3711.992223			2
5.53	5.55	5.57	44508.71	276.420115			3
5.60	5.64	5.64	75589.77	1798.888513			4
5.75	5.77	5.79	232683.6	3202.391247			5
5.95	5.97	5.99	51285.84	85.394786			6
Height Summation:			**1263918.22**				
Amount Avg CF:			**1637.354026**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4970.7599	964.9122		** 81.35	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202622 ACF DF100 -100E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.26 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274A
Result file : 25PCBS17257004.089.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 10:29:39
Instrument : CP25--18274B
Result file : 25PCBS17257004B.089.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			4970.7599	1491.228		** 125.22	3	5	
Aroclor-1232			4970.7599	1198.8303		** 84.72	4	10	
Aroclor-1242			4970.7599	1198.8303		** 86.69	4	30	
Aroclor-1248			4970.7599	964.9122		5.31	4	40	
Aroclor-1254			4970.7599	1286.5496		23.40	4	40	
Aroclor-1260			4970.7599	1140.3508		14.98	4	40	
Aroclor-1262			4970.7599	964.9122		4.91	4	40	
Aroclor-1268			4970.7599	964.9122		13.27	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:29:39 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.089.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.073		3840	5923
2.104		4715	8505
2.164		1121	1321
2.233		5748	4359
2.276		483	207
2.358		4562	3414
2.396		1754	3135
2.511		2360	3602
2.566		1134	2229
2.615		493	260
2.664		768	442
2.681		3561	2325
2.789		677	1456
2.874		431	291
2.923		1271	1920
2.959	TCX	34198	23136
3.065		847	1414
3.209		1247	1067
3.261		1931	979
3.279		4023	2523
3.354		385	221
3.424		767	633
3.441		1096	664
3.48		862	642
3.511		713	684
3.541		10918	7526
3.58		419	199
3.614		478	331
3.629		321	200
3.665		923	597
3.728		41356	51365
3.763		16072	12647
3.813		8403	6658
3.855		13646	10404
3.883		89411	66414
3.91		108021	73255
3.932		127280	90878
4.007		39176	28005
4.031		60989	42926
4.062		92033	74102
4.096		76163	65401
4.139		13338	13167
4.171		6080	4316
4.221		25377	20433
4.257		379100	388313
4.3		321356	289013
4.369		160190	137622
4.412		601102	639050
4.446		366630	320438
4.487		48127	34620
4.509		52412	37627
4.551		207608	193038
4.601		192906	149185
4.618		11488	3518

RT A	Compound A	Height A	Area A
4.631		60293	38850
4.662		1101312	1036145
4.712		160354	195596
4.747		63869	41365
4.788		573333	591221
4.834		113560	99614
4.875		807558	803532
4.907		8591	4804
4.935		177377	181429
4.987		833231	1170566
5.038		59393	50485
5.075		503282	559008
5.121		77530	58632
5.146		18397	15592
5.157		55183	37984
5.191		1344011	1403480
5.233		33421	19640
5.259		206614	185639
5.301		162409	174377
5.397		289274	234960
5.42		246393	194327
5.477		154008	149359
5.515		125348	116559
5.542		1188	492
5.555		6920	5465
5.595		231641	215648
5.629		35013	28766
5.655		697179	673752
5.691		10698	7324
5.742		4113	4164
5.775		1694	976
5.801		454	365
5.817		1460	1050
5.859		518593	480812
5.889		49950	32843
5.913		64765	68613
5.958		903	663
6.025		24279	21948
6.052		3269	2242
6.082		1229	1164
6.101		18572	13643
6.13		124570	120170
6.196		10924	11926
6.24		359	524
6.257		11438	8368
6.286		163701	162081
6.33		12267	12010
6.371		613	320
6.392		559	327
6.43		651	1282
6.488		34988	36642
6.549		877	700
6.604		3350	3748
6.637	DCB	47186	49134
6.672		8217	7159
6.723		586	963
6.76		605	240
6.78		682	176
6.804		826	1023
6.824		577	213
6.846		792	348
6.881		2119	2394
6.919		5109	6327
6.992		671	999

LANCASTER LABORATORIES

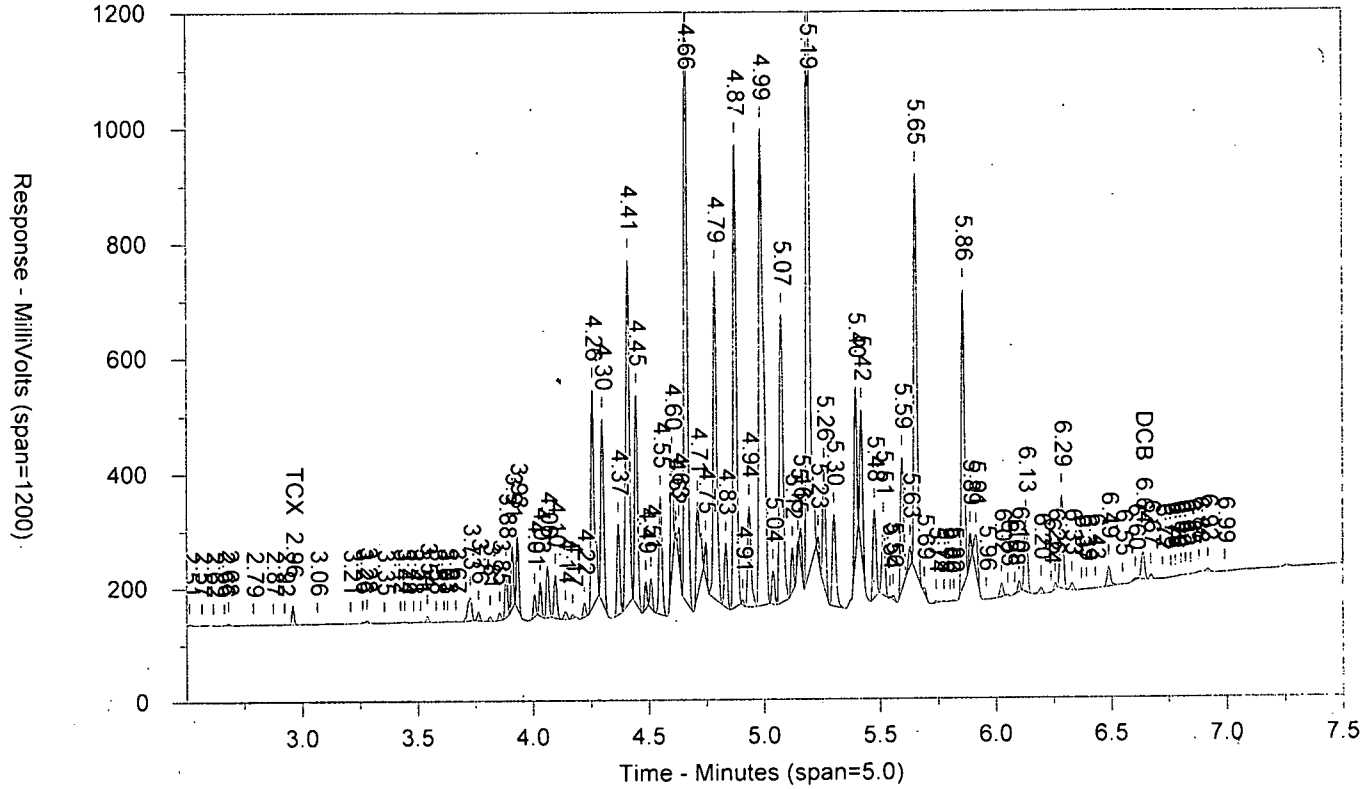
Sample Number: 9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:29:39 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.089.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.015		10655	25179
2.187		1833	1950
2.236		1195	678
2.259		2755	2750
2.305		932	977
2.343		2348	2688
2.392		8551	6983
2.472		3088	10597
2.591		887	736
2.642	TCX	61558	40876
2.737		2743	4735
2.856		1808	2687
2.937		9601	12145
3.038		1491	1140
3.073		637	80
3.078		388	62
3.092		1068	428
3.102		843	276
3.112		554	310
3.135		1205	544
3.144		1836	871
3.172		474	198
3.179		476	79
3.212		845	493
3.231		852	256
3.252		24698	28081
3.3		9670	16348
3.35		3268	5538
3.412		44333	27868
3.431		58128	33927
3.462		24650	14755
3.52		14991	12044
3.554		140051	86110
3.596		221541	244709
3.681		66102	40826
3.704		89022	48084
3.725		141526	96268
3.771		110776	77961
3.811		25265	21505
3.851		30449	25205
3.882		69169	39210
3.904		647434	430745
3.93		348407	306971
3.968		213255	129382
4.003		876440	632819
4.035		599695	560273
4.074		81710	56544
4.114		112659	98309
4.148		304325	244134
4.205		401830	305313
4.24		143720	124012
4.266		1606255	1286860
4.304		172920	156891
4.357		939834	835469

RT B	Compound B	Height B	Area B
4.393		165269	133451
4.427		1033977	760919
4.45		281412	194450
4.493		1201646	1027111
4.594		791530	830577
4.646		557890	460544
4.686		329088	290945
4.724		1873498	2163968
4.795		193027	154512
4.854		17663	24010
4.894		35907	21676
4.911		84384	56052
4.945		332386	256676
4.969		411810	323037
5.019		271499	245999
5.055		130856	106679
5.083		84816	67360
5.116		246734	161628
5.137		873194	722188
5.178		21336	14119
5.211		31591	27448
5.276		7855	5778
5.309		4145	3443
5.328		6036	3395
5.352		146662	134476
5.395		713189	753510
5.493		2171	2261
5.549		44509	37807
5.595		35858	34880
5.64		75590	57800
5.667		96725	82136
5.708		6871	7137
5.746		21020	14710
5.773		232684	191385
5.804		14114	10535
5.854		3558	2778
5.971		51286	51087
6.109		3235	1939
6.131	DCB	56040	44147
6.166		13986	12880
6.259		11260	34371
6.337		28218	31090
6.437		1837	2899
6.501		1752	1797
6.572		2386	1477
6.705		2378	13262
6.969		1681	2196

9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.089.RAW



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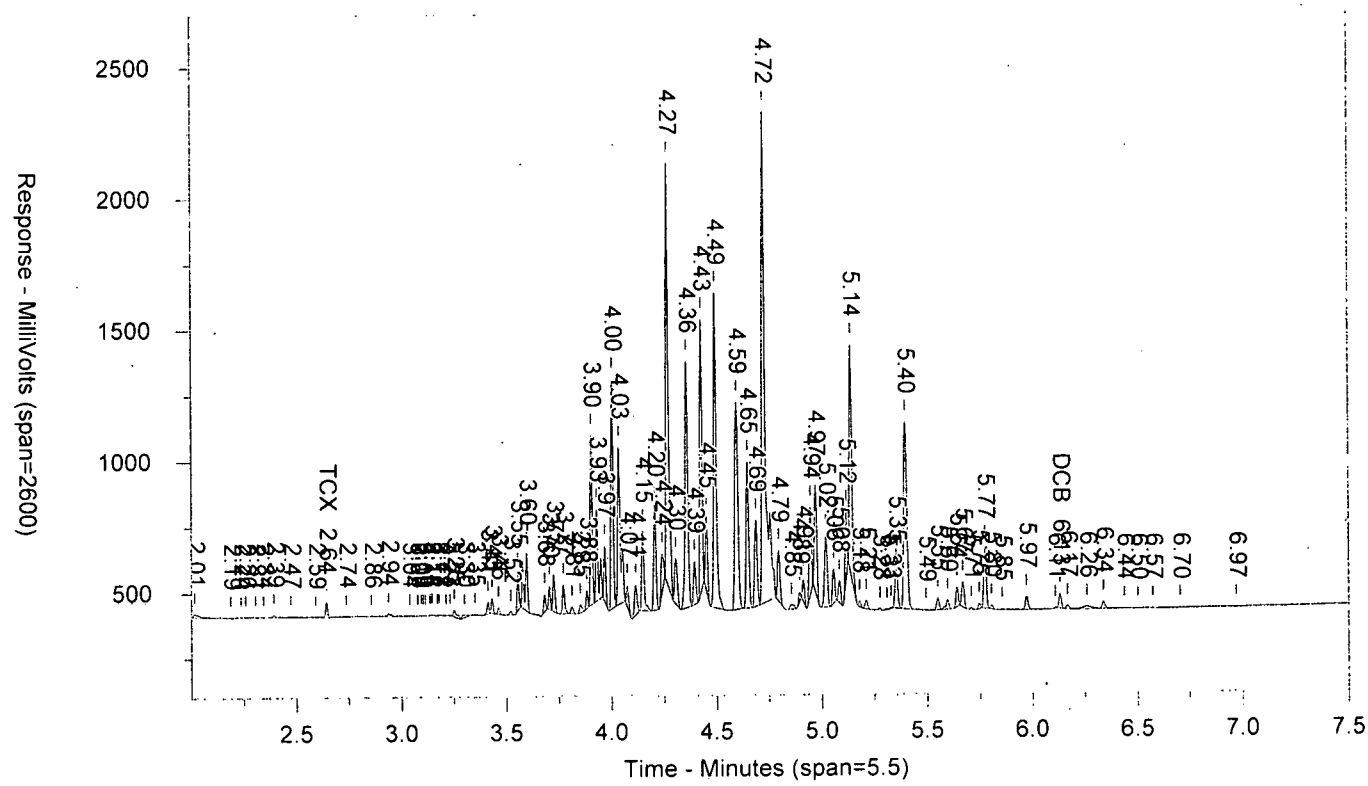


LANCASTER LABORATORIES

Sample Number: 9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:29:39 AM Sample Weight: 10.26
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

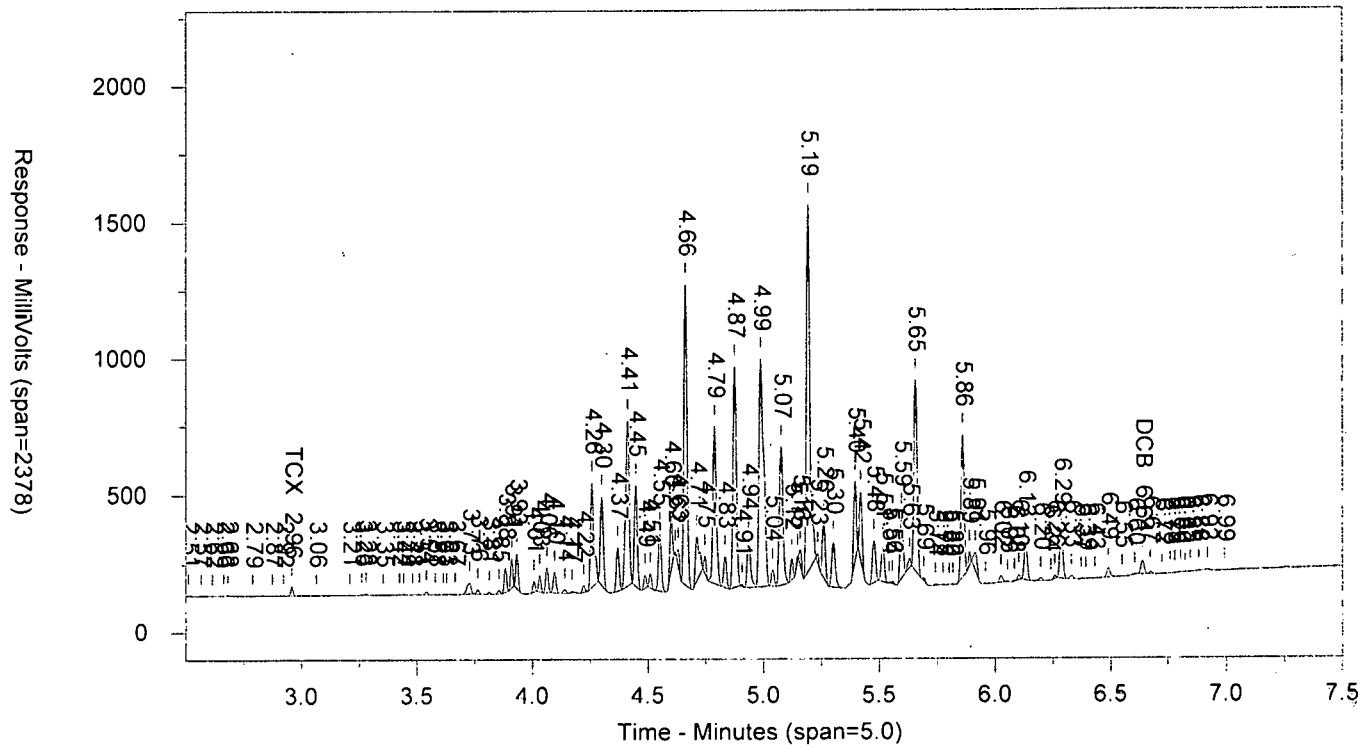
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	34198	29.323	TCX	2.642	61558	33.566	TCX
6.637	47186	43.189	DCB	6.131	56040	36.173	DCB

Files:
Area File: 25PCBS17257004.089.RAW
Area File: 25PCBS17257004B.089.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:38:10 AM
File Reported On: 9/18/2017 at 10:38:25 AM

9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.089.RAW



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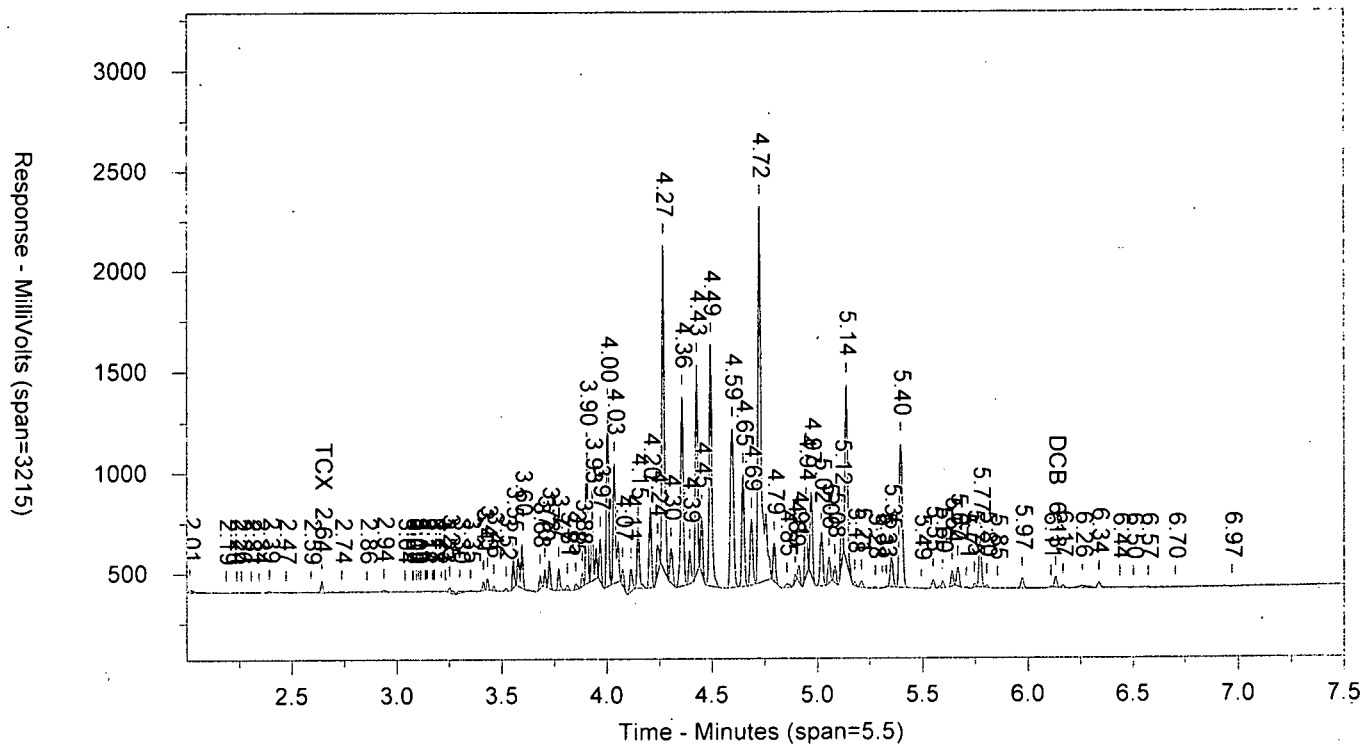

9202622 ACF DF100 AC-100E T 172560011A 10225 SW-846 8082

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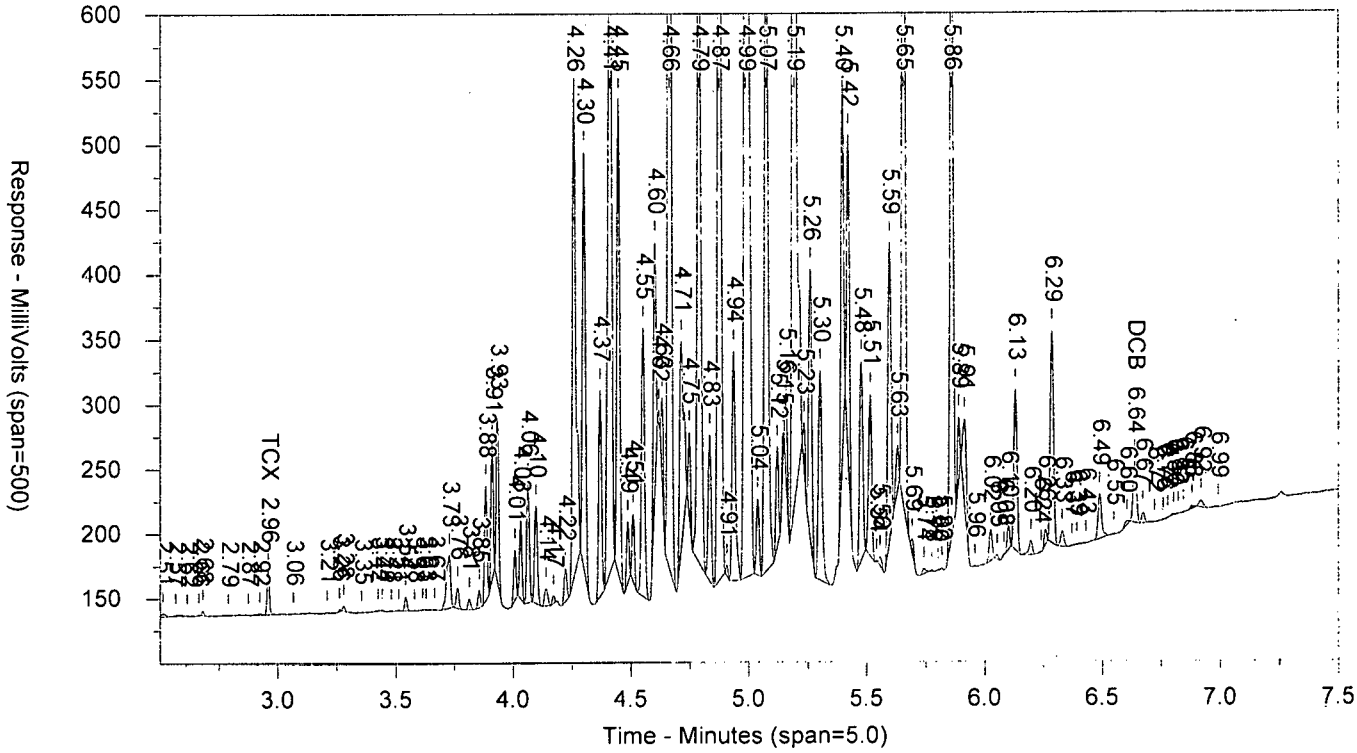

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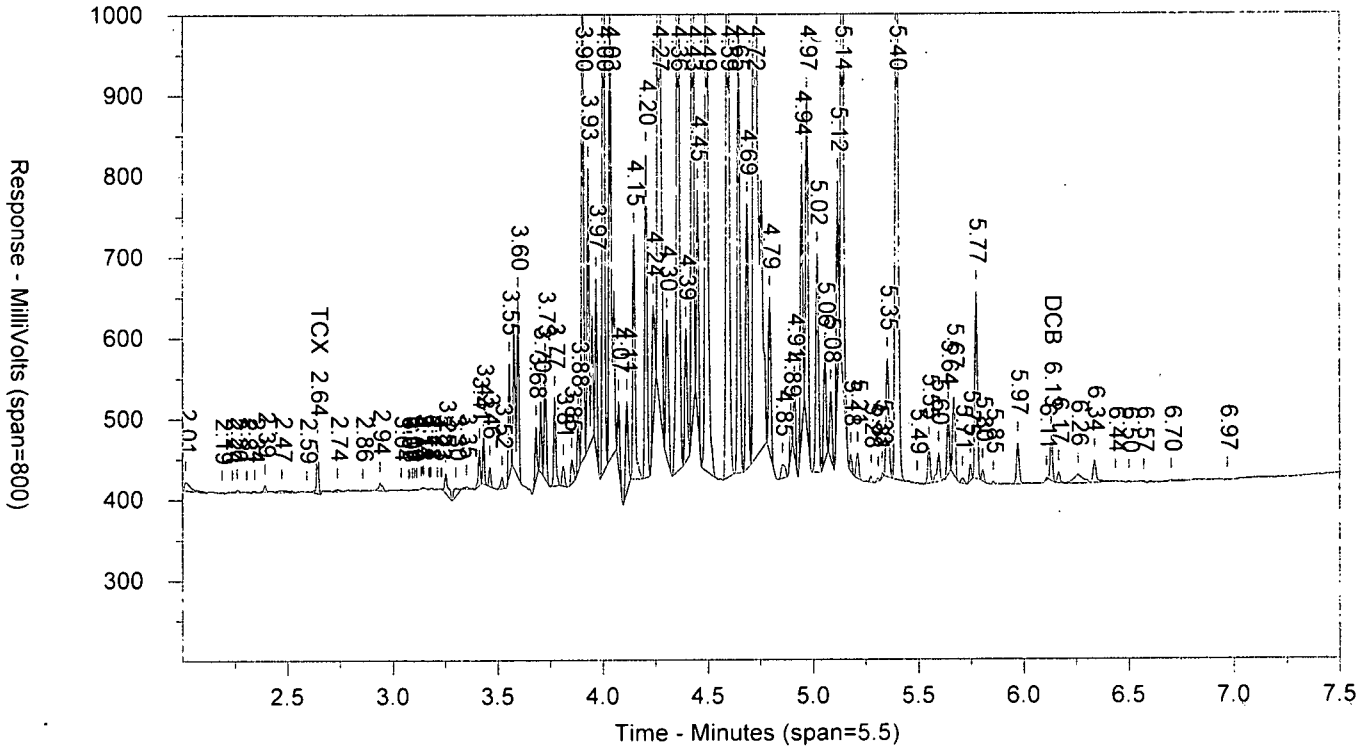

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Data Summary

Sample Name: 9202625 ACF DF10 -102W Sample ID: AG **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 21, 2017 21:52:24
Instrument	18274A
Result file	25PCBS17257007.008.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 93% (61 - 152) Conc: 27.44645
%SSR(DCB) 111% (48 - 164) Conc: 29.16287

Analysis Report (B)

Injected on	Sep 21, 2017 21:52:24
Instrument	18274B
Result file	25PCBS17257007B.008.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 93% (61 - 152) Conc: 27.58746
%SSR(DCB) 106% (48 - 164) Conc: 27.91923

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	321338	27.44645
Decachlorobiphenyl	6.61	6.64	6.67	319864	29.16287

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	507911	27.58746
Decachlorobiphenyl	6.10	6.13	6.16	434219	27.91923

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	27.58746				0.51	
☑	Tetrachloro-m-xylene-D1	A	27.44645					
☑	Tetrachloro-m-xylene-D2	B	27.58746					
☐	Decachlorobiphenyl	A	29.16287				4.36	
☑	Decachlorobiphenyl-D1	A	29.16287					
☑	Decachlorobiphenyl-D2	B	27.91923					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**56.18**	
4.24	4.26	4.28	383095.4	1401.737965			1
4.39	4.41	4.43	828888.3	1777.057211			2
4.86	4.88	4.90	1820990	3844.170623			4
Height summation:			**3032973.7**				
Concentration		CF:	**2340.9886**	L:			
Aroclor-1260						**12.49**	
5.40	5.42	5.44	1008469	2658.8209			4
5.64	5.66	5.68	3359218	3188.83601			5
5.84	5.86	5.88	2213424	3408.776704			6
Height summation:			**6581111**				
Concentration		CF:	**3085.477871**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**36.35**	
4.25	4.27	4.29	4138464	4538.672655			1
4.34	4.36	4.38	3136273	7321.381586			2
4.41	4.43	4.45	2345408	3720.42766			3
Height summation:			**9620145**				
Concentration		CF:	**5193.493967**	L:			
Aroclor-1260						**16.26**	
4.93	4.95	4.97	1412042	2485.683666			4
5.12	5.14	5.16	4370376	3271.36165			5
5.38	5.40	5.42	3160124	3404.179878			6
Height summation:			**8942542**				
Concentration		CF:	**3053.741731**	L:			

Valerie L. Tomaglio
Analytical Operations

SEP 22 2017

Reviewed and digitally signed by Kirby B Turner on 9/22/2017 13:03:28

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Data Summary

Sample Name: 9202625 ACF DF10 -102W Sample ID: AG **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 21, 2017 21:52:24
Instrument	18274A
Result file	25PCBS17257007.008.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 21, 2017 21:52:24
Instrument	18274B
Result file	25PCBS17257007B.008.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

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	A	2340.9886	495.1456	128.1553	PD1	75.72	4	
☑	PCB-1260	A	3085.477871	495.1456	113.5922	D1	1.03	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/22/2017 13:03:28

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202625** ACF DF10 -102W Sample ID: AG **Batchnumber: 172560011A**
Sample Amount: 10.3 .g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274A
Result file : 25PCBS17257007.008.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 93% (61-152) Conc.: 27.44645
%SSR(DCB) : 111% (48-164) Conc.: 29.16287

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**149.26**	
3.19	3.21	3.23	2361.278	12.354928			1
+ 3.41	3.42	3.45	514.7325	2.67841			2
+ 3.41	3.43	3.45	690.2959	3.591954			2
3.41	3.44	3.45	1119.581	5.825739			2
3.52	3.54	3.56	3281.816	13.579519			3
3.74	3.76	3.78	8209.847	27.122009			4
3.79	3.82	3.83	4681.255	17.652606			5
3.99	4.01	4.03	30609.81	155.892629			6
Height Summation:			**50263.587**				
Amount Avg CF:			**38.737905**	Linear:			
Aroclor-1221					**3**	**69.81**	
3.09	3.11	3.13	713.6607	7.288243			1
3.14	3.16	3.18	2188.559	24.119777			2
3.19	3.21	3.23	2361.278	8.708906			3
Height Summation:			**5263.4977**				
Amount Avg CF:			**13.372309**	Linear:			
Aroclor-1232					**6**	**164.02**	
3.19	3.21	3.23	2361.278	10.41537			1
+ 3.40	3.42	3.44	514.7325	5.858031			2
3.40	3.43	3.44	690.2959	7.856071			2
3.52	3.54	3.56	3281.816	29.088448			3
3.73	3.76	3.77	8209.847	58.583579			4
3.79	3.82	3.83	4681.255	40.212617			5
3.99	4.01	4.03	30609.81	375.346819			6
Height Summation:			**49834.3019**				
Amount Avg CF:			**86.917151**	Linear:			
Aroclor-1242					**6**	**150.00**	
3.19	3.21	3.23	2361.278	8.775534			1
+ 3.41	3.42	3.45	514.7325	1.981653			2
+ 3.41	3.43	3.45	690.2959	2.65755			2
3.41	3.44	3.45	1119.581	4.310242			2
3.52	3.54	3.56	3281.816	9.956142			3
3.74	3.76	3.78	8209.847	19.601743			4
3.80	3.82	3.84	4681.255	12.80492			5
3.99	4.01	4.03	30609.81	114.296832			6
Height Summation:			**50263.587**				
Amount Avg CF:			**28.290902**	Linear:			
Aroclor-1248					**6**	**156.88**	
3.74	3.76	3.78	8209.847	64.538992			1
3.80	3.82	3.84	4681.255	31.746471			2
3.86	3.89	3.90	68426.8	281.002224			3
3.99	4.01	4.03	30609.81	109.991025			4
4.08	4.10	4.12	45017.15	182.343164			5
4.26	4.26	4.30	383095.4	1517.701029			6
Height Summation:			**540040.262**				
Amount Avg CF:			**364.553817**	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274B
Result file : 25PCBS17257007B.008.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 93% (61-152) Conc.: 27.58746
%SSR(DCB) : 106% (48-164) Conc.: 27.91923

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**154.07**	
2.91	2.94	2.95	31581.95	103.917347			1
3.11	3.12	3.15	999.7485	3.995057			2
+ 3.11	3.13	3.15	935.2187	3.737192			2
+ 3.11	3.14	3.15	709.3311	2.834531			2
3.23	3.25	3.27	10737.4	29.809754			3
3.43	3.43	3.47	11920.2	31.61793			4
+ 3.43	3.45	3.47	2431.301	6.448944			4
+ 3.43	3.46	3.47	5238.32	13.894468			4
3.50	3.52	3.54	9019.607	22.357432			5
3.54	3.56	3.58	110268.2	402.71602			6
Height Summation:			**174527.1055**				
Amount Avg CF:			**99.068923**	Linear:			
Aroclor-1221					**3**	**50.00**	
2.79	2.81	2.83	4071.77	23.386356			1
2.85	2.86	2.89	6187.054	59.532738			2
2.91	2.94	2.95	31581.95	74.334133			3
Height Summation:			**41840.774**				
Amount Avg CF:			**52.417742**	Linear:			
Aroclor-1232					**6**	**182.28**	
2.91	2.94	2.95	31581.95	89.399948			1
3.11	3.12	3.15	999.7485	8.552366			2
+ 3.11	3.13	3.15	935.2187	8.000345			2
+ 3.11	3.14	3.15	709.3311	6.067985			2
3.23	3.25	3.27	10737.4	65.691183			3
3.43	3.43	3.47	11920.2	69.131893			4
+ 3.43	3.45	3.47	2431.301	14.100471			4
+ 3.43	3.46	3.47	5238.32	30.379941			4
3.50	3.52	3.54	9019.607	50.455809			5
3.53	3.56	3.57	110268.2	1036.454034			6
Height Summation:			**174527.1055**				
Amount Avg CF:			**219.947539**	Linear:			
Aroclor-1242					**6**	**158.38**	
2.91	2.94	2.95	31581.95	76.259622			1
3.11	3.12	3.15	999.7485	3.410756			2
+ 3.11	3.13	3.15	935.2187	3.190605			2
+ 3.11	3.14	3.15	709.3311	2.419964			2
3.23	3.25	3.27	10737.4	22.063287			3
3.43	3.43	3.47	11920.2	23.348498			4
+ 3.43	3.45	3.47	2431.301	4.762271			4
+ 3.43	3.46	3.47	5238.32	10.260474			4
3.50	3.52	3.54	9019.607	16.905669			5
3.54	3.56	3.58	110268.2	322.333137			6
Height Summation:			**174527.1055**				
Amount Avg CF:			**77.386828**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202625** ACF DF10 -102W Sample ID: AG **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274A
Result file : 25PCBS17257007.008.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	71.40	
4.24	4.26	4.28	383095.4	1401.737965			1
4.39	4.41	4.43	828888.3	1777.057211			2
4.65	4.67	4.68	2994930	4610.587285			3
4.86	4.88	4.90	1820990	3844.170623			4
5.06	5.08	5.10	1796579	4868.261216			5
E 5.17	5.19	5.21	5274158	10254.36048			6
Height Summation:			13098640.7				
Amount Avg CF:			4459.362463	Linear:			
Aroclor-1260					6	45.01	
4.97	4.99	5.01	2811419	4685.202444			1
5.17	5.19	5.21	5274158	7110.917276			2
5.24	5.26	5.28	859933.8	2396.795651			3
5.40	5.42	5.44	1008469	2658.8209			4
5.64	5.66	5.68	3359218	3188.83601			5
5.84	5.86	5.88	2213424	3408.776704			6
Height Summation:			15526621.8				
Amount Avg CF:			3908.224831	Linear:			
Aroclor-1262					6	41.97	
5.25	5.26	5.29	859933.8	1433.98153			1
5.41	5.42	5.45	1008469	1902.820903			2
E 5.64	5.66	5.68	3359218	2520.257755			3
E 5.85	5.86	5.89	2213424	2761.389789			4
5.90	5.92	5.94	277029.6	702.956755			5
6.27	6.29	6.31	729993.4	1514.135326			6
Height Summation:			8448067.8				
Amount Avg CF:			1805.923676	Linear:			
Aroclor-1268					6	97.22	
5.84	5.86	5.88	2213424	1523.200913			1
5.90	5.92	5.94	277029.6	217.618157			2
6.03	6.05	6.07	18615.87	15.334188			3
+ 6.10	6.10	6.14	78271.91	245.99621			4
6.10	6.13	6.14	436988.1	1373.384352			4
6.27	6.29	6.31	729993.4	1369.362192			5
6.47	6.49	6.51	150533.6	37.174651			6
Height Summation:			3826584.57				
Amount Avg CF:			756.012409	Linear:			

Analysis Report (B)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274B
Result file : 25PCBS17257007B.008.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	134.21	
3.43	3.43	3.47	11920.2	78.832598			1
+ 3.43	3.45	3.47	2431.301	16.079074			1
+ 3.43	3.46	3.47	5238.32	34.642907			1
3.50	3.52	3.54	9019.607	39.121237			2
3.54	3.56	3.58	110268.2	285.609774			3
3.66	3.68	3.70	57423.75	119.950796			4
3.75	3.77	3.79	64388.92	196.608185			5
3.89	3.91	3.93	681326.6	1140.508003			6
Height Summation:			934347.277				
Amount Avg CF:			310.105099	Linear:			
Aroclor-1254					6	45.90	
4.25	4.27	4.29	4138464	4538.672655			1
4.34	4.36	4.38	3136273	7321.381586			2
4.41	4.43	4.45	2345408	3720.42766			3
E 4.48	4.50	4.51	4055978	10766.614068			4
4.63	4.65	4.67	1845878	4167.52877			5
E 4.71	4.73	4.75	7055829	10062.795786			6
Height Summation:			22577830				
Amount Avg CF:			6762.903421	Linear:			
Aroclor-1260					6	47.91	
4.47	4.50	4.51	4055978	4737.956927			1
4.58	4.60	4.62	3021742	4449.995456			2
4.71	4.73	4.75	7055829	8524.510613			3
4.93	4.95	4.97	1412042	2485.683666			4
5.12	5.14	5.16	4370376	3271.36165			5
5.38	5.40	5.42	3160124	3404.179878			6
Height Summation:			23076091				
Amount Avg CF:			4478.948032	Linear:			
Aroclor-1262					5	38.45	
+ 4.93	4.95	4.97	1412042	1701.067335			2
4.93	4.97	4.97	1513825	1823.683898			2
E 5.12	5.14	5.16	4370376	2487.750227			3
5.34	5.35	5.38	617121.2	914.572866			4
E 5.38	5.40	5.42	3160124	2683.430267			5
5.76	5.78	5.80	976342.7	1500.153146			6
Height Summation:			10637788.9				
Amount Avg CF:			1881.918081	Linear:			
Aroclor-1268					5	110.44	
5.33	5.35	5.37	617121.2	313.955365			1
5.38	5.40	5.42	3160124	1638.388171			2
5.53	5.55	5.57	128167	79.288644			3
5.75	5.78	5.79	976342.7	1338.508197			5
5.95	5.97	5.99	211579.7	35.092799			6
Height Summation:			5093334.6				
Amount Avg CF:			681.046635	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		** 87.56	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202625** ACF DF10 -102W Sample ID: AG **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274A
Result file : 25PCBS17257007.008.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 21, 2017 21:52:24
Instrument : CP25--18274B
Result file : 25PCBS17257007B.008.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			495.1457	148.5437		** 118.70	3	5	
Aroclor-1232			495.1457	119.4175		** 86.70	4	10	
Aroclor-1242			495.1457	119.4175		** 92.92	4	30	
Aroclor-1248			495.1457	96.1165		16.14	4	40	
Aroclor-1254			495.1457	128.1553	E	** 41.05	4	40	
Aroclor-1260			495.1457	113.5922		13.61	4	40	
Aroclor-1262			495.1457	96.1165	E	4.12	4	40	
Aroclor-1268			495.1457	96.1165		10.43	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082
Injected On: 9/21/2017 9:52:24 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257007.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.075		6268	9952
2.11		7636	13580
2.165		16078	12363
2.233		21433	14582
2.31		1695	1188
2.357		4304	3297
2.396		2254	2062
2.424		2683	2056
2.474		528	369
2.514		4360	6000
2.569		681	654
2.592		954	704
2.615		625	670
2.664		2867	1482
2.681		10635	6469
2.735		571	425
2.765		1078	597
2.783		712	559
2.835		1341	1360
2.904		789	533
2.925		1176	760
2.959	TCX	321338	218631
3.045		897	427
3.065		2318	1532
3.111		714	961
3.157		2189	1438
3.211		2361	1923
3.263		4913	2680
3.28		14913	9457
3.351		477	491
3.415		515	357
3.429		690	334
3.444		1120	776
3.498		631	352
3.514		992	851
3.542		3282	2540
3.587		506	346
3.621		2634	2742
3.689		379	182
3.722		11688	16910
3.762		8210	8260
3.816		4681	3628
3.856		3011	2519
3.886		68427	50782
3.912		42070	28765
3.936		32929	22533
4.01		30610	22375
4.034		15365	10710
4.065		29655	22644
4.099		45017	39712
4.142		6348	5672
4.173		9046	9247
4.224		18210	14140
4.261		383095	407062

RT A	Compound A	Height A	Area A
4.304		210008	191996
4.372		271289	235669
4.415		828888	815304
4.449		532249	443879
4.49		67464	48298
4.512		52041	37748
4.554		272725	259647
4.604		256566	188205
4.621		52221	23734
4.635		159375	96819
4.665		2994930	2659439
4.715		540934	629795
4.75		138510	88761
4.791		1874469	1824182
4.837		203985	186940
4.878		1820991	1766215
4.909		28631	16800
4.938		561296	553442
4.99		2811419	3843218
5.042		215792	187715
5.078		1796579	1961830
5.124		242073	174218
5.149		26112	36317
5.16		185784	120628
5.194		5274159	5471905
5.234		74947	44750
5.261		859934	773171
5.304		635667	673307
5.374		11820	9119
5.398		1124704	878316
5.422		1008469	793497
5.479		617989	556249
5.517		391847	355486
5.54		16318	8515
5.559		19551	16420
5.598		728804	699322
5.631		82184	71487
5.658		3359218	3085995
5.693		28033	21679
5.744		25649	22798
5.776		12652	8397
5.801		3998	2315
5.818		10794	7841
5.862		2213425	2033062
5.892		163757	110483
5.917		277030	299241
5.959		1941	1460
5.987		2647	2082
6.028		73141	62970
6.054		18616	14158
6.103		78272	59607
6.132		436988	416140
6.169		4247	2553
6.198		22247	20161
6.234		5925	4879
6.26		27196	18849
6.288		729993	723363
6.334		50430	51882
6.406		5161	9632
6.492		150534	162916
6.544		1306	910
6.609		9418	9653
6.641	DCB	319864	323640
6.678		22148	17682
6.7		1316	961
6.803		3392	4620

RT A	Compound A	Height A	Area A
6.894		59796	206348
6.975		2010	1856

LANCASTER LABORATORIES

Sample Number: 9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082
Injected On: 9/21/2017 9:52:24 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257007B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		14010	37839
2.141		8255	8714
2.184		2703	2255
2.233		1561	975
2.259		3492	3885
2.316		1537	1156
2.336		5569	5847
2.391		24343	23868
2.459		4441	9845
2.519		3667	2932
2.565		2404	3455
2.593		1515	964
2.619		1486	855
2.641	TCX	507911	300885
2.666		4189	4438
2.731		5251	9919
2.789		1828	2100
2.811		4072	2279
2.859		6187	6210
2.937		31582	31667
3.015		1352	772
3.044		2023	2960
3.073		883	288
3.093		884	404
3.101		1158	470
3.117		1000	251
3.132		935	296
3.143		709	386
3.165		806	170
3.189		1474	1308
3.208		2050	1269
3.253		10737	21884
3.294		17303	23565
3.34		1486	872
3.358		2777	1949
3.378		2121	1297
3.413		17671	14186
3.432		11920	5753
3.448		2431	1028
3.462		5238	2743
3.521		9020	8715
3.556		110268	67342
3.579		81287	43965
3.597		67523	37328
3.684		57424	41468
3.707		26084	13565
3.727		51224	35554
3.773		64389	52518
3.811		20113	15371
3.853		28588	21081
3.885		32601	18510
3.906		681327	461954
3.932		136255	78232
3.951		183596	101375

RT B	Compound B	Height B	Area B
3.97		371060	236813
4.005		1251103	871879
4.037		793733	697174
4.076		112326	75016
4.116		123841	112047
4.15		390476	340061
4.207		680084	526205
4.241		380575	323812
4.268		4138464	3394547
4.306		498598	461651
4.359		3136273	2489964
4.396		313956	264398
4.429		2345408	1604520
4.453		934313	647192
4.495		4055979	3297727
4.545		10866	8570
4.597		3021743	2947253
4.649		1845878	1476347
4.688		1128332	960342
4.726		7055829	8162256
4.796		792509	625059
4.867		62708	94033
4.913		326565	455576
4.947		1412042	1041269
4.972		1513825	1142772
5.021		1052444	918831
5.057		479916	388948
5.086		328058	254184
5.118		747638	490046
5.14		4370377	3420652
5.181		85976	55923
5.212		119798	106321
5.258		4750	2924
5.277		42623	30350
5.31		23619	18274
5.33		23493	13198
5.354		617121	526430
5.398		3160125	3236927
5.456		15131	15654
5.498		4544	4642
5.552		128167	107661
5.597		124118	127341
5.642		177762	134567
5.669		403024	332441
5.709		27093	26662
5.748		45287	33343
5.775		976343	822382
5.807		62139	46382
5.855		14438	10601
5.884		2370	2885
5.974		211580	182996
6.019		5063	4969
6.056		2626	2859
6.133	DCB	434219	398639
6.168		35342	29828
6.261		36486	98921
6.339		29588	29898
6.441		3879	4003
6.5		5788	5545
6.575		4382	2778
6.607		10457	10761
6.671		2025	2125
6.706		2068	2348
6.739		2359	1942
6.868		1908	7711
6.906		9733	11381

RT B	Compound B	Height B	Area B
6.974		1722	2271

9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082

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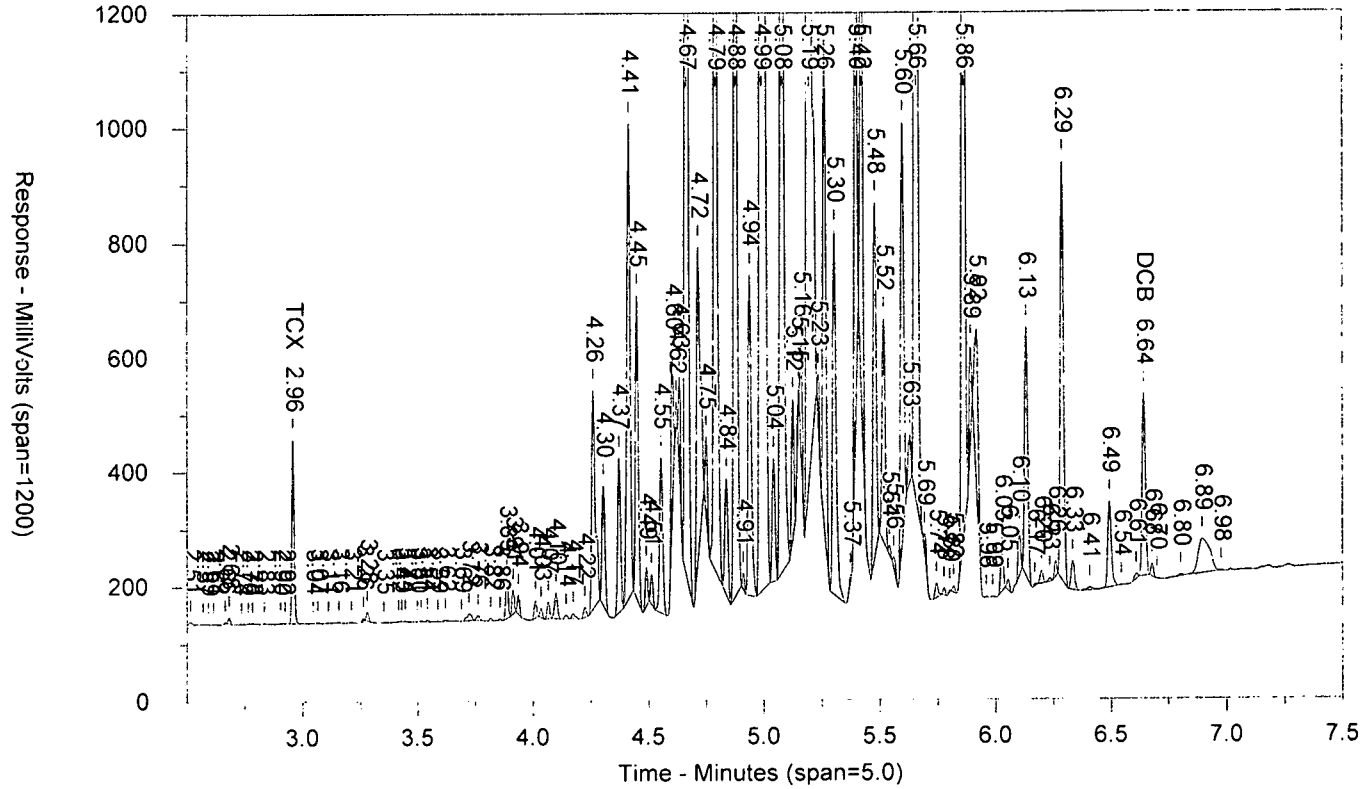

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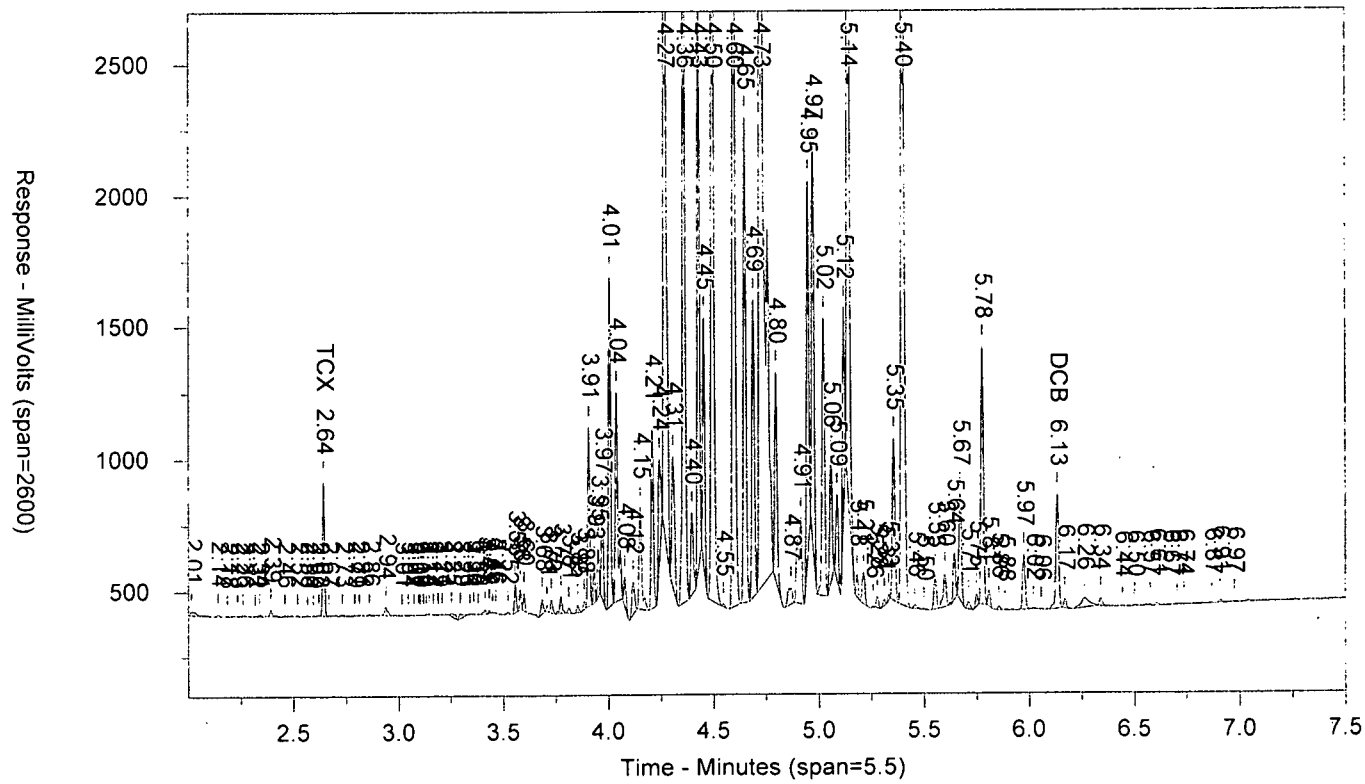

LANCASTER LABORATORIES

Sample Number: 9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082
Injected On: 9/21/2017 9:52:24 PM Sample Weight: 10.3
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	321338	27.446	TCX	2.641	507911	27.587	TCX
6.641	319864	29.163	DCB	6.133	434219	27.919	DCB

Files:
Area File: 25PCBS17257007.008.RAW
Area File: 25PCBS17257007B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/21/2017 10:00:56 PM
File Reported On: 9/21/2017 at 10:01:13 PM

9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082

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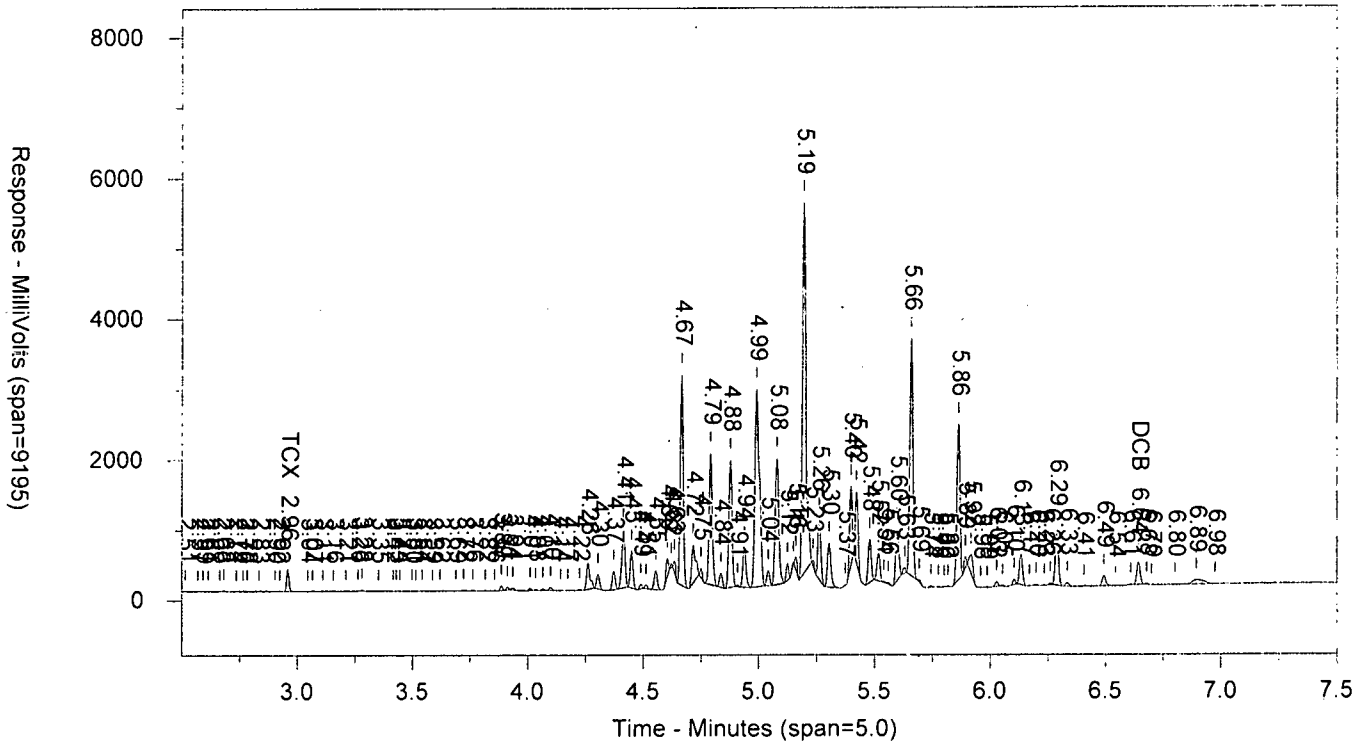

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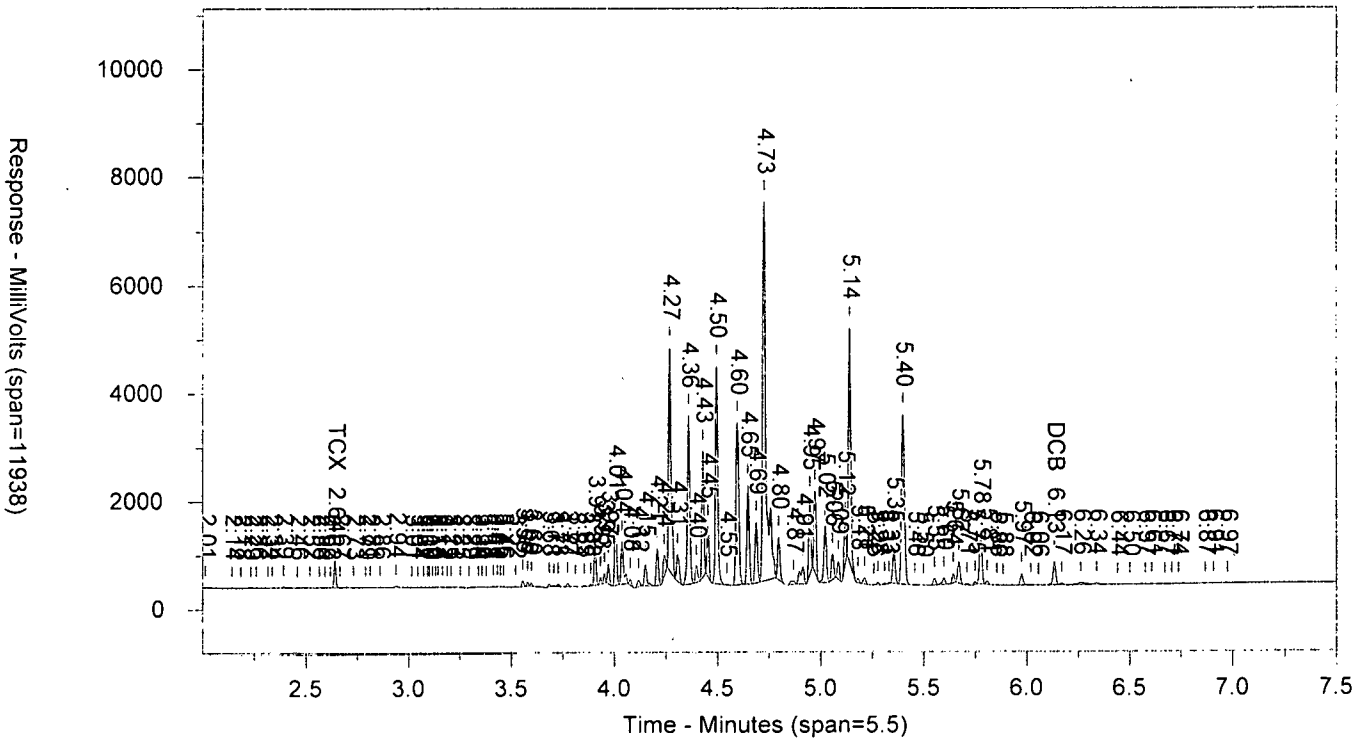

9202625 ACF DF10 AG-102W T 172560011A 10225 SW-846 8082

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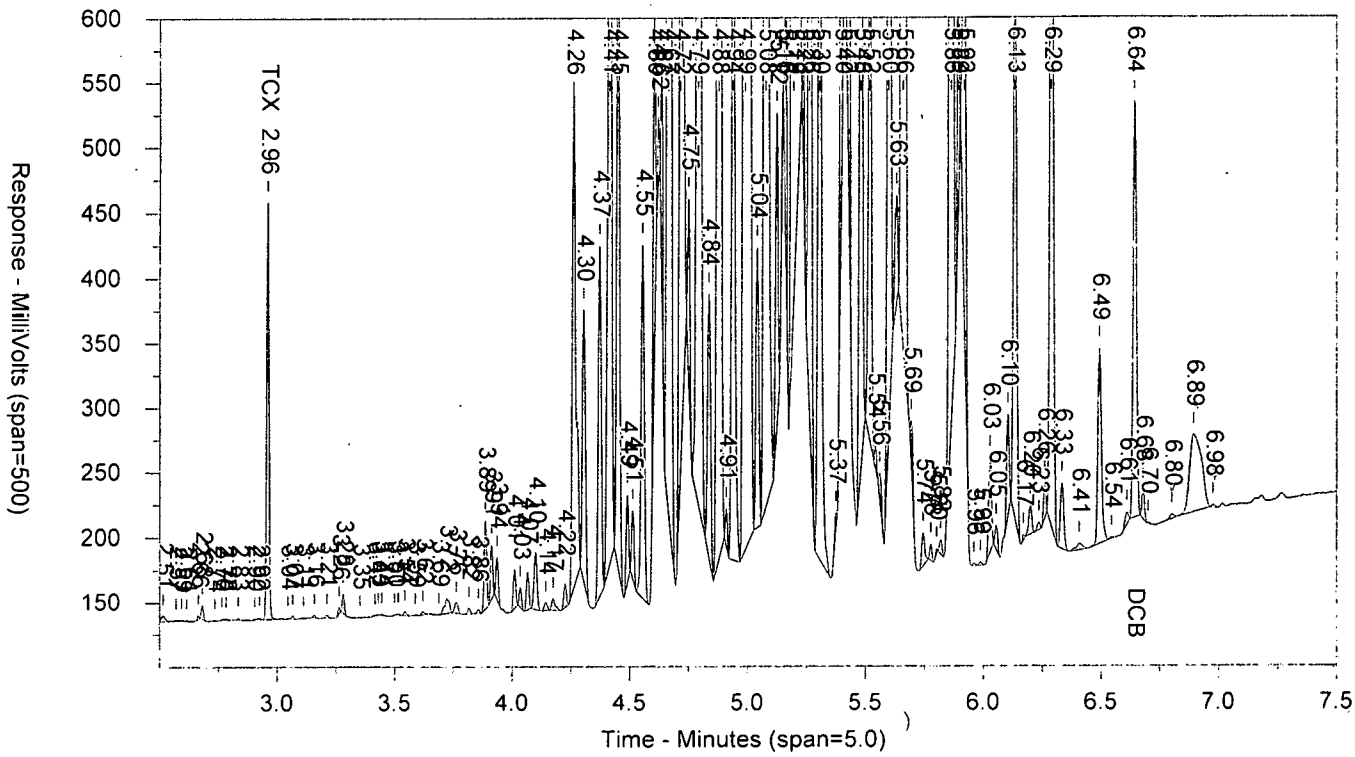

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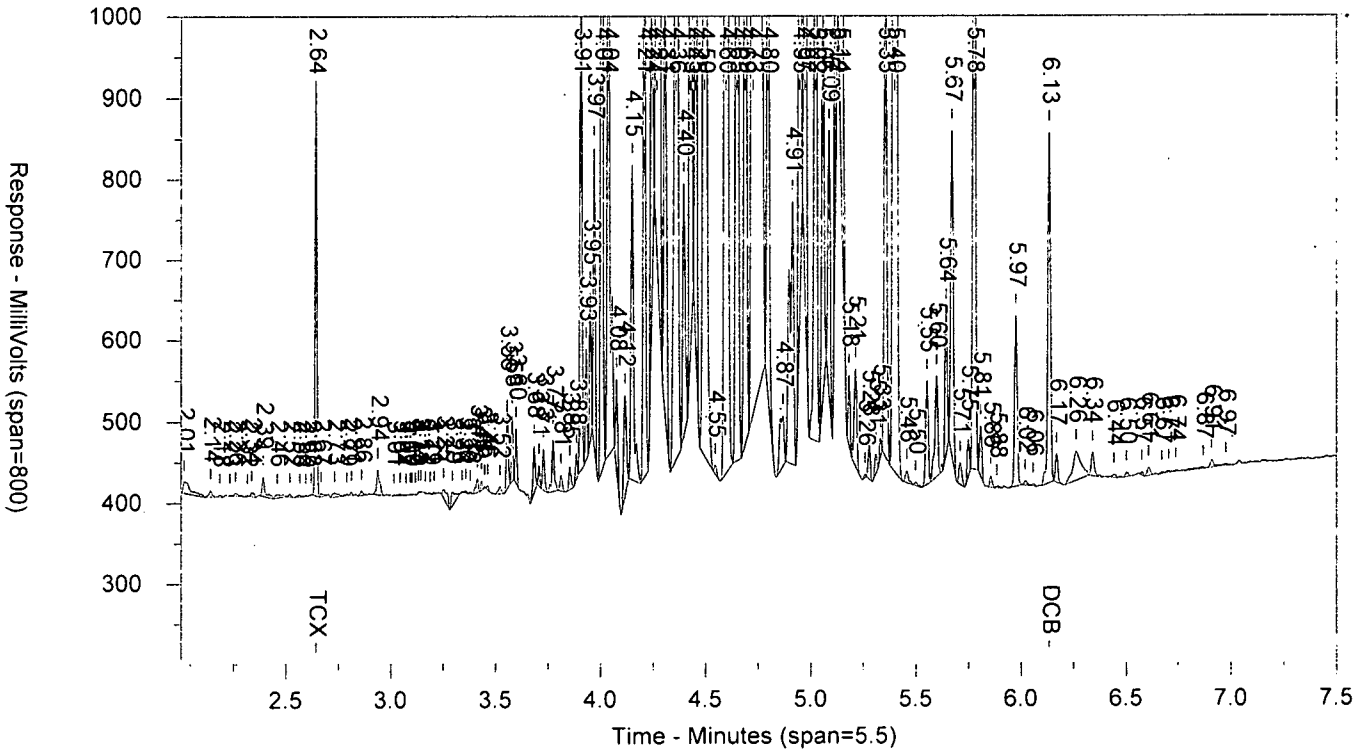

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Data Summary

Sample Name: 9202626 ACF DF100 -102E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 10:52:44
Instrument	18274A
Result file	25PCBS17257004.091.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 64% (61 - 152) Conc: 19.45296
%SSR(DCB) 82% (48 - 164) Conc: 22.11767

Analysis Report (B)

Injected on	Sep 18, 2017 10:52:44
Instrument	18274B
Result file	25PCBS17257004B.091.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 69% (61 - 152) Conc: 21.00839
%SSR(DCB) 89% (48 - 164) Conc: 24.07608

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	22245	19.45296
Decachlorobiphenyl	6.61	6.64	6.67	23694	22.11767

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	37777	21.00839
Decachlorobiphenyl	6.10	6.13	6.16	36572	24.07608

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	21.00839				7.69	
☑	Tetrachloro-m-xylene-D1	A	19.45296					
☑	Tetrachloro-m-xylene-D2	B	21.00839					
☐	Decachlorobiphenyl	B	24.07608				8.48	
☑	Decachlorobiphenyl-D1	A	22.11767					
☑	Decachlorobiphenyl-D2	B	24.07608					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**23.73**	
4.24	4.26	4.28	188211	7050.893336			1
4.39	4.42	4.43	336880.1	7394.690501			2
4.86	4.88	4.90	492614	10647.339176			4
Height summation:			**1017705.1**				
Concentration		CF:	**8364.307671**	L:			
Aroclor-1260						**7.74**	
5.40	5.43	5.44	200467.4	5411.3987			4
5.64	5.66	5.68	597543.9	5807.685072			5
5.84	5.86	5.88	400425.2	6313.854705			6
Height summation:			**1198436.5**				
Concentration		CF:	**5844.312826**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**27.75**	
4.25	4.27	4.29	965910.2	10845.901991			1
4.34	4.36	4.38	680645	16268.184378			2
4.41	4.43	4.45	611272.2	9927.693287			3
Height summation:			**2257827.4**				
Concentration		CF:	**12347.259885**	L:			
Aroclor-1260						**14.38**	
4.93	4.95	4.97	277411.2	4999.901847			4
5.12	5.14	5.16	721038.4	5525.955635			5
5.38	5.40	5.42	599432.1	6611.31144			6
Height summation:			**1597881.7**				
Concentration		CF:	**5712.389641**	L:			

Valerie L. Tomaylo
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:09

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Data Summary

Sample Name: 9202626 ACF DF100 -102E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 10:52:44
Instrument	18274A
Result file	25PCBS17257004.091.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 10:52:44
Instrument	18274B
Result file	25PCBS17257004B.091.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5069.5823	<984.0954	D1		4	
☑	PCB-1221			<5069.5823	<1520.8747	D1		3	
☑	PCB-1232			<5069.5823	<1222.664	D1		4	
☑	PCB-1242			<5069.5823	<1222.664	D1		4	
☑	PCB-1248			<5069.5823	<984.0954	D1		4	
☑	PCB-1254	B	12347.259885	5069.5823	1312.1272	D2	38.46	4	
☑	PCB-1260	A	5844.312826	5069.5823	1163.0218	D1	2.28	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:09

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202626** ACF DF100 -102E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274A
Result file : 25PCBS17257004.091.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 64% (61-152) Conc.: 19.45296
%SSR(DCB) : 82% (48-164) Conc.: 22.11767

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**134.13**	
3.19	3.22	3.23	1650.21	88.403925			1
3.41	3.42	3.45	660.5692	35.192738			2
+ 3.52	3.53	3.56	1124.64	47.645615			3
3.52	3.55	3.56	2478.977	105.022392			3
3.74	3.77	3.78	3402.697	115.093108			4
3.79	3.82	3.83	3841.664	148.321854			5
3.99	4.01	4.03	15342.45	800.016435			6
Height Summation:			**27376.5672**				
Amount Avg CF:			**215.341742**	Linear:			
Aroclor-1221					**1**		
3.19	3.22	3.23	1650.21	62.315335			3
Height Summation:			**1650.21**				
Amount Avg CF:			**62.315335**	Linear:			
Aroclor-1232					**6**	**148.52**	
3.19	3.22	3.23	1650.21	74.525697			1
3.40	3.42	3.44	660.5692	76.971093			2
+ 3.52	3.53	3.56	1124.64	102.06083			3
3.52	3.55	3.56	2478.977	224.966611			3
+ 3.73	3.73	3.77	3303.701	241.368625			4
3.73	3.77	3.77	3402.697	248.60128			4
3.79	3.82	3.83	3841.664	337.877025			5
3.99	4.01	4.03	15342.45	1926.220791			6
Height Summation:			**27376.5672**				
Amount Avg CF:			**481.527083**	Linear:			
Aroclor-1242					**6**	**134.90**	
3.19	3.22	3.23	1650.21	62.792082			1
3.41	3.42	3.45	660.5692	26.037763			2
+ 3.52	3.53	3.56	1124.64	34.932495			3
3.52	3.55	3.56	2478.977	76.999619			3
3.74	3.77	3.78	3402.697	83.180618			4
3.80	3.82	3.84	3841.664	107.590316			5
3.99	4.01	4.03	15342.45	586.55335			6
Height Summation:			**27376.5672**				
Amount Avg CF:			**157.192291**	Linear:			
Aroclor-1248					**6**	**144.07**	
3.74	3.77	3.78	3402.697	273.873262			1
3.80	3.82	3.84	3841.664	266.742232			2
3.86	3.89	3.90	42178.28	1773.420136			3
3.99	4.01	4.03	15342.45	564.456625			4
4.08	4.10	4.12	31642.01	1312.244608			5
4.26	4.26	4.30	188211	7634.200071			6
Height Summation:			**284618.101**				
Amount Avg CF:			**1970.822823**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274B
Result file : 25PCBS17257004B.091.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 69% (61-152) Conc.: 21.00839
%SSR(DCB) : 89% (48-164) Conc.: 24.07608

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**172.79**	
2.91	2.94	2.95	5101.244	171.855902			1
3.11	3.12	3.15	600.6972	24.576896			2
+ 3.11	3.14	3.15	442.2202	18.092976			2
3.23	3.25	3.27	6792.859	193.086138			3
3.43	3.43	3.47	12620.89	342.751305			4
+ 3.43	3.46	3.47	4503.16	122.294384			4
3.50	3.52	3.54	5479.789	139.071259			5
3.54	3.56	3.58	70462.38	2634.784942			6
Height Summation:			**101057.8592**				
Amount Avg CF:			**584.354407**	Linear:			
Aroclor-1221					**1**		
2.91	2.94	2.95	5101.244	122.931924			3
Height Summation:			**5101.244**				
Amount Avg CF:			**122.931924**	Linear:			
Aroclor-1232					**6**	**187.12**	
2.91	2.94	2.95	5101.244	147.84739			1
3.11	3.12	3.15	600.6972	52.612674			2
+ 3.11	3.14	3.15	442.2202	38.732305			2
3.23	3.25	3.27	6792.859	425.500224			3
3.43	3.43	3.47	12620.89	749.41802			4
+ 3.43	3.46	3.47	4503.16	267.39392			4
3.50	3.52	3.54	5479.789	313.853259			5
3.53	3.56	3.57	70462.38	6781.040108			6
Height Summation:			**101057.8592**				
Amount Avg CF:			**1411.711946**	Linear:			
Aroclor-1242					**6**	**176.58**	
2.91	2.94	2.95	5101.244	126.116249			1
3.11	3.12	3.15	600.6972	20.982381			2
+ 3.11	3.14	3.15	442.2202	15.446772			2
3.23	3.25	3.27	6792.859	142.910098			3
3.43	3.43	3.47	12620.89	253.107272			4
+ 3.43	3.46	3.47	4503.16	90.309205			4
3.50	3.52	3.54	5479.789	105.159336			5
3.54	3.56	3.58	70462.38	2108.876863			6
Height Summation:			**101057.8592**				
Amount Avg CF:			**459.525367**	Linear:			
Aroclor-1248					**6**	**110.58**	
3.43	3.43	3.47	12620.89	854.577639			1
+ 3.43	3.46	3.47	4503.16	304.915093			1
3.50	3.52	3.54	5479.789	243.348144			2
3.54	3.56	3.58	70462.38	1868.612855			3
3.66	3.69	3.70	25397.68	543.18138			4
3.75	3.78	3.79	45853.16	1433.504194			5
+ 3.89	3.89	3.93	27006.3	462.85752			6
3.89	3.91	3.93	318200	5453.589081			6
Height Summation:			**478013.899**				
Amount Avg CF:			**1732.802216**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202626** ACF DF100 -102E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274A
Result file : 25PCBS17257004.091.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	42.53	
4.24	4.26	4.28	188211	7050.893336			1
4.39	4.42	4.43	336880.1	7394.690501			2
4.65	4.67	4.68	729158.2	11492.925201			3
4.86	4.88	4.90	492614	10647.339176			4
5.06	5.08	5.10	345058.7	9573.258365			5
5.17	5.20	5.21	997656.4	19859.837077			6
Height Summation:			**3089578.4**				
Amount Avg CF:			**11003.157276**	Linear:			
Aroclor-1260					6	45.15	
4.97	4.99	5.01	628170.1	10718.136665			1
5.17	5.20	5.21	997656.4	13771.864062			2
5.24	5.26	5.28	180705.1	5156.744836			3
+ 5.40	5.40	5.44	188966	5100.930958			4
5.40	5.43	5.44	200467.4	5411.3987			4
5.64	5.66	5.68	597543.9	5807.685072			5
5.84	5.86	5.88	400425.2	6313.854705			6
Height Summation:			**3004968.1**				
Amount Avg CF:			**7863.280673**	Linear:			
Aroclor-1262					6	38.11	
5.25	5.26	5.29	180705.1	3085.23459			1
5.41	5.43	5.45	200467.4	3872.740191			2
5.64	5.66	5.68	597543.9	4590.033258			3
5.85	5.86	5.89	400425.2	5114.742158			4
5.90	5.92	5.94	52764.54	1370.830738			5
6.27	6.29	6.31	140392.9	2981.467965			6
Height Summation:			**1572299.04**				
Amount Avg CF:			**3502.50815**	Linear:			
Aroclor-1268					6	97.91	
5.84	5.86	5.88	400425.2	2821.325679			1
5.90	5.92	5.94	52764.54	424.375549			2
6.03	6.05	6.07	2517.969	21.235724			3
+ 6.10	6.11	6.14	15202.39	489.185525			4
6.10	6.13	6.14	96293.59	3098.554268			4
6.27	6.29	6.31	140392.9	2696.396709			5
6.47	6.49	6.51	28812.63	72.851014			6
Height Summation:			**721206.829**				
Amount Avg CF:			**1522.456491**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274B
Result file : 25PCBS17257004B.091.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	42.16	
4.25	4.27	4.29	965910.2	10845.901991			1
4.34	4.36	4.38	680645	16268.184378			2
4.41	4.43	4.45	611272.2	9927.693287			3
4.48	4.50	4.51	879659.9	23907.688795			4
4.63	4.65	4.67	337085	7792.095814			5
4.71	4.73	4.75	1285244	18767.025378			6
Height Summation:			**4759816.3**				
Amount Avg CF:			**14584.764941**	Linear:			
Aroclor-1260					6	46.52	
4.47	4.50	4.51	879659.9	10520.819175			1
4.58	4.60	4.62	604921.1	9120.951863			2
4.71	4.73	4.75	1285244	15898.137101			3
4.93	4.95	4.97	277411.2	4999.901847			4
+ 5.12	5.12	5.16	157953.2	1210.535217			5
5.12	5.14	5.16	721038.4	5525.955635			5
5.38	5.40	5.42	599432.1	6611.31144			6
Height Summation:			**4367706.7**				
Amount Avg CF:			**8779.512843**	Linear:			
Aroclor-1262					6	40.06	
4.74	4.76	4.78	147101.5	1810.494941			1
4.93	4.95	4.97	277411.2	3421.662148			2
5.12	5.14	5.16	721038.4	4202.286038			3
5.34	5.36	5.38	132966.5	2017.573327			4
5.38	5.40	5.42	599432.1	5211.532251			5
5.76	5.78	5.80	183017.5	2879.155866			6
Height Summation:			**2060967.2**				
Amount Avg CF:			**3257.117428**	Linear:			
Aroclor-1268					5	106.98	
5.33	5.36	5.37	132966.5	692.594318			1
5.38	5.40	5.42	599432.1	3181.939511			2
5.53	5.55	5.57	31263.43	198.020722			3
5.75	5.78	5.79	183017.5	2568.920203			5
5.95	5.97	5.99	40108.55	68.111465			6
Height Summation:			**986788.08**				
Amount Avg CF:			**1341.917244**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5069.5823	984.0954		** 92.29	4	40	
Aroclor-1221			5069.5823	1520.8747		** 65.44	3	5	
Aroclor-1232			5069.5823	1222.664		** 98.26	4	10	
Aroclor-1242			5069.5823	1222.664		** 98.05	4	30	
Aroclor-1248			5069.5823	984.0954		12.85	4	40	
Aroclor-1254			5069.5823	1312.1272		27.99	4	40	
Aroclor-1260			5069.5823	1163.0218		11.01	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202626 ACF DF100 -102E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274A
Result file : 25PCBS17257004.091.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 10:52:44
Instrument : CP25--18274B
Result file : 25PCBS17257004B.091.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			5069.5823	984.0954		7.26	4	40	
Aroclor-1268			5069.5823	984.0954		12.61	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:52:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.091.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.074		3245	4994
2.105		6309	10081
2.166		856	825
2.235		4066	3196
2.313		814	665
2.36		1743	1271
2.395		1351	1108
2.519		2863	3955
2.569		1059	1328
2.681		2419	2305
2.705		818	575
2.795		1196	1603
2.839		397	279
2.886		719	672
2.923		1091	1010
2.96	TCX	22245	16012
3.053		1576	1972
3.138		1346	1470
3.217		1650	1612
3.265		1312	809
3.283		1196	665
3.377		1185	969
3.419		661	680
3.45		1595	1346
3.525		1125	984
3.545		2479	1486
3.601		1472	1317
3.639		627	427
3.673		1641	1478
3.726		2249	1253
3.735		3304	1400
3.769		3403	2889
3.819		3842	3406
3.858		2999	2428
3.888		42178	31502
3.916		34532	23884
3.939		36157	25290
4.012		15342	10582
4.037		16578	12403
4.068		33552	25949
4.102		31642	28479
4.146		4396	4010
4.177		5984	6718
4.228		10915	8515
4.263		188211	194858
4.306		146344	130700
4.375		107762	90260
4.418		336880	353918
4.453		214192	188447
4.493		30100	21735
4.515		26631	18785
4.557		115151	106926
4.607		108706	78274
4.623		11713	5120

RT A	Compound A	Height A	Area A
4.637		30449	18966
4.669		729158	672952
4.718		136445	162037
4.753		34751	22536
4.794		410911	441895
4.841		70178	60661
4.881		492614	502173
4.912		4412	2335
4.941		131262	137726
4.993		628170	883602
5.045		51417	42557
5.081		345059	390623
5.126		49820	38214
5.151		10556	7261
5.164		48431	33660
5.197		997656	1049346
5.238		20695	11799
5.264		180705	165635
5.307		137454	144502
5.402		188966	162057
5.426		200467	159181
5.481		126429	122480
5.52		90028	86345
5.56		3725	3549
5.6		162153	157992
5.634		22586	17362
5.66		597544	567297
5.695		7251	5162
5.746		2382	1921
5.779		1847	1259
5.801		944	546
5.863		400425	393663
5.893		39920	26041
5.916		52765	60501
5.963		605	556
6.005		193	597
6.029		16944	14331
6.054		2518	1890
6.084		1397	796
6.106		15202	11188
6.134		96294	93021
6.169		724	335
6.201		7359	7127
6.237		955	576
6.262		6980	4788
6.29		140393	140294
6.335		10108	10769
6.374		656	367
6.411		438	428
6.493		28813	30865
6.554		940	1301
6.617		3660	5092
6.643	DCB	23694	23196
6.679		5458	4828
6.704		1219	885
6.825		533	1937
6.846		507	92
6.889		2172	2525
6.925		5347	6046
6.967		665	211
6.987		1148	1010

LANCASTER LABORATORIES

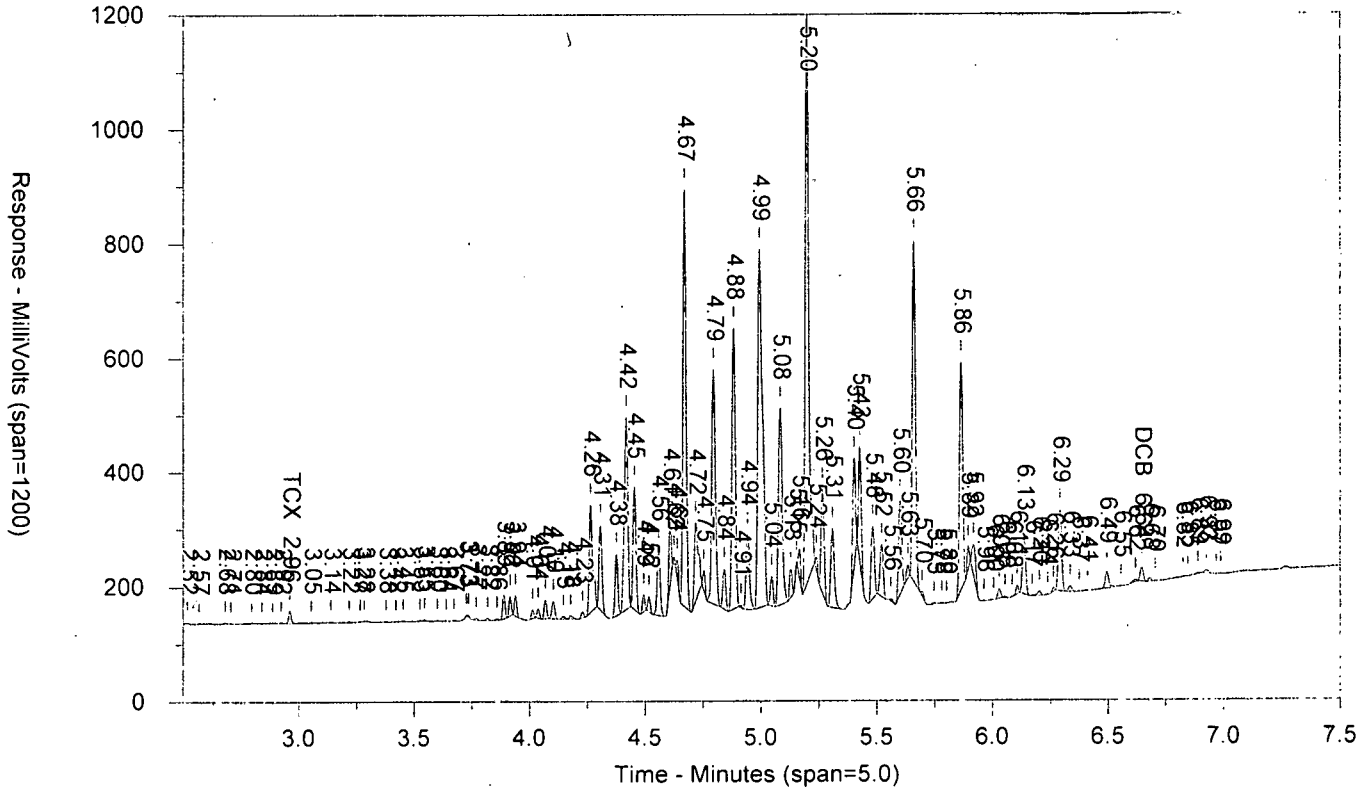
Sample Number: 9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:52:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.091.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		11167	18727
2.188		2048	2347
2.257		2952	2882
2.339		1085	1084
2.39		6301	7483
2.527		1763	1701
2.57		1902	1854
2.641	TCX	37777	23323
2.664		2487	1295
2.754		2398	3669
2.839		1587	984
2.937		5101	7427
3.013		1707	1373
3.061		699	102
3.071		542	128
3.079		480	106
3.096		1586	867
3.118		601	140
3.142		442	526
3.164		651	123
3.178		369	384
3.183		851	293
3.252		6793	7001
3.297		3064	4278
3.341		1602	1385
3.414		15167	10477
3.433		12621	7312
3.465		4503	2428
3.49		1464	820
3.523		5480	4773
3.558		70462	43008
3.599		70046	82001
3.686		25398	15767
3.709		24026	12992
3.73		51270	34471
3.776		45853	33018
3.814		12567	10533
3.856		14958	12234
3.887		27006	14956
3.908		318200	221677
3.934		139536	83682
3.954		78331	42049
3.973		142521	89839
4.008		485533	361895
4.04		341630	307135
4.079		52747	38013
4.118		58956	50068
4.154		165188	135106
4.21		228463	175900
4.245		81304	74771
4.27		965910	829693
4.308		129607	113021
4.362		680645	594943
4.399		102712	84497

RT B	Compound B	Height B	Area B
4.432		611272	447440
4.455		206015	141941
4.498		879660	770369
4.6		604921	632149
4.651		337085	293556
4.691		238927	213997
4.729		1285245	1120404
4.76		147102	107926
4.799		164837	131636
4.858		12178	15923
4.899		28080	17889
4.916		58735	38008
4.949		277411	212656
4.974		281115	220637
5.024		214216	194780
5.059		105976	83862
5.088		70771	53885
5.12		157953	101222
5.142		721038	607144
5.183		16454	10239
5.215		25888	23053
5.278		6729	5229
5.312		3848	2997
5.356		132967	127867
5.399		599432	634899
5.552		31263	26372
5.599		26397	25858
5.643		51219	37274
5.67		83263	69370
5.712		5133	5213
5.749		11961	8731
5.776		183018	165079
5.808		10998	8195
5.974		40109	35370
6.133	DCB	36572	35525
6.169		9238	7757
6.259		10293	29825
6.34		7114	7667
6.441		1961	2791
6.506		1530	2296
6.579		2696	1960
6.703		1630	2959
6.946		2142	14166

9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.091.RAW



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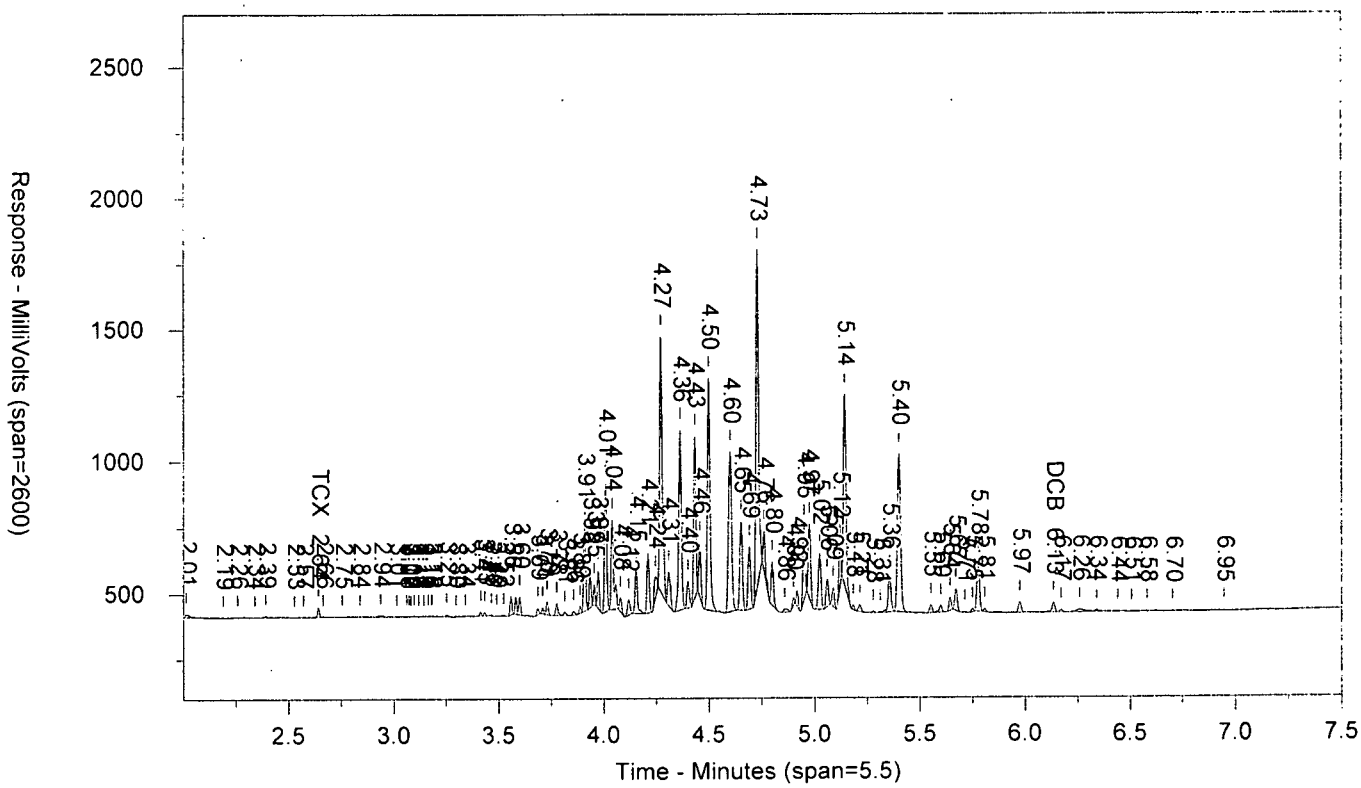


LANCASTER LABORATORIES

Sample Number: 9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 10:52:44 AM Sample Weight: 10.06
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

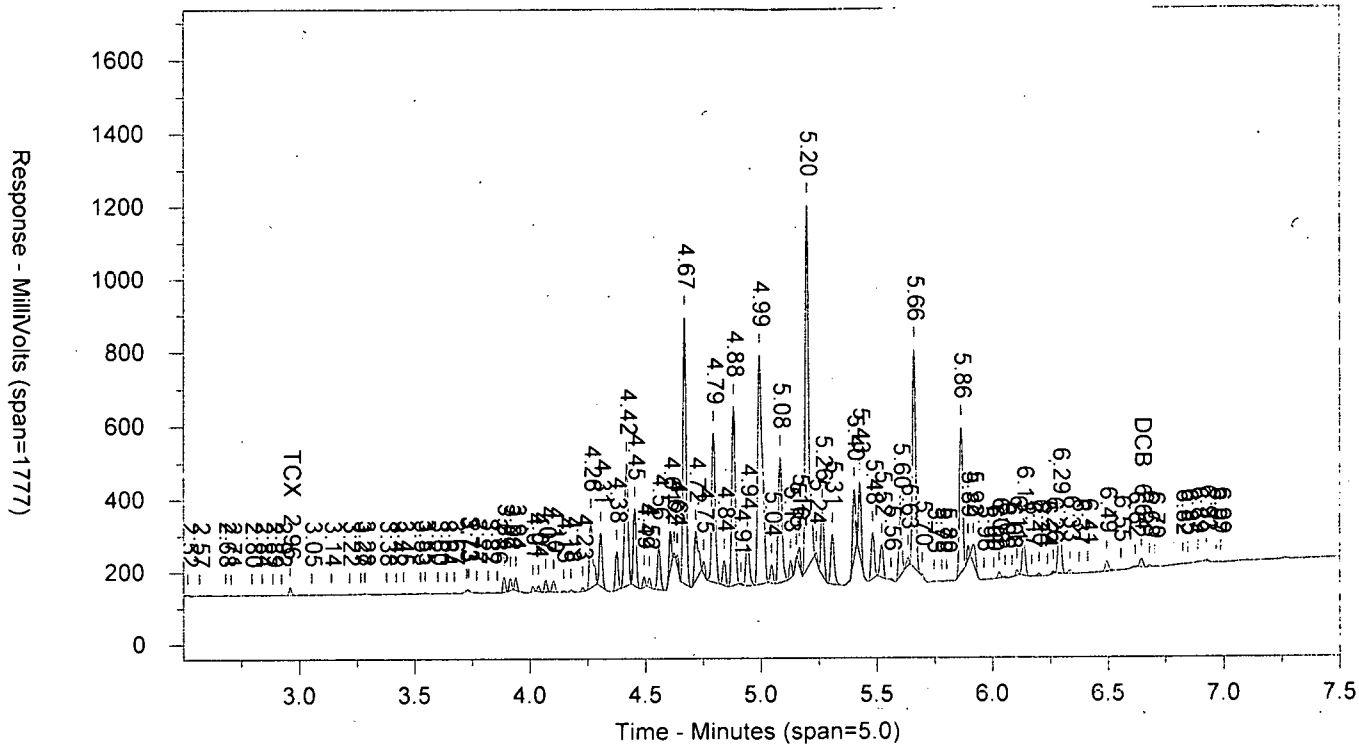
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	22245	19.453	TCX	2.641	37777	21.008	TCX
6.643	23694	22.118	DCB	6.133	36572	24.076	DCB

Files:
Area File: 25PCBS17257004.091.RAW
Area File: 25PCBS17257004B.091.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:01:16 AM
File Reported On: 9/18/2017 at 11:01:28 AM

9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.091.RAW



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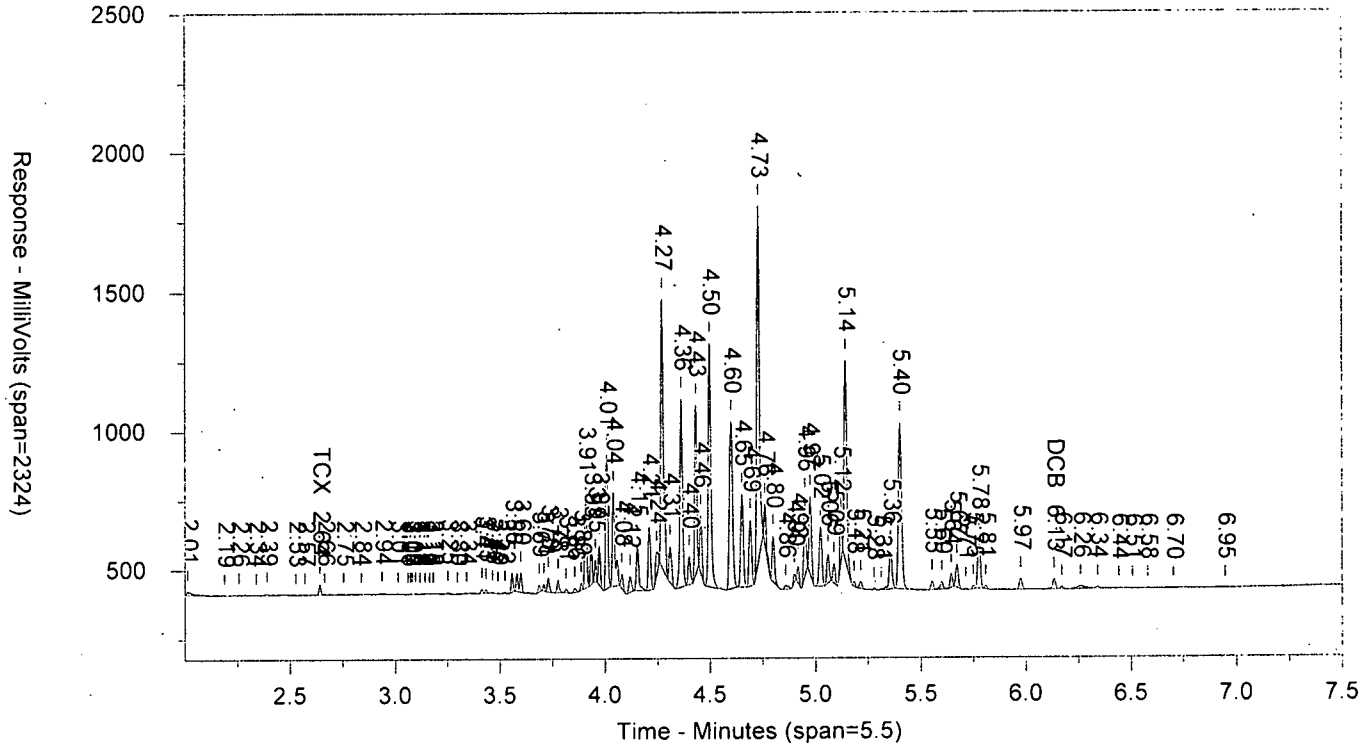

9202626 ACF DF100 AC-102E T 172560011A 10225 SW-846 8082

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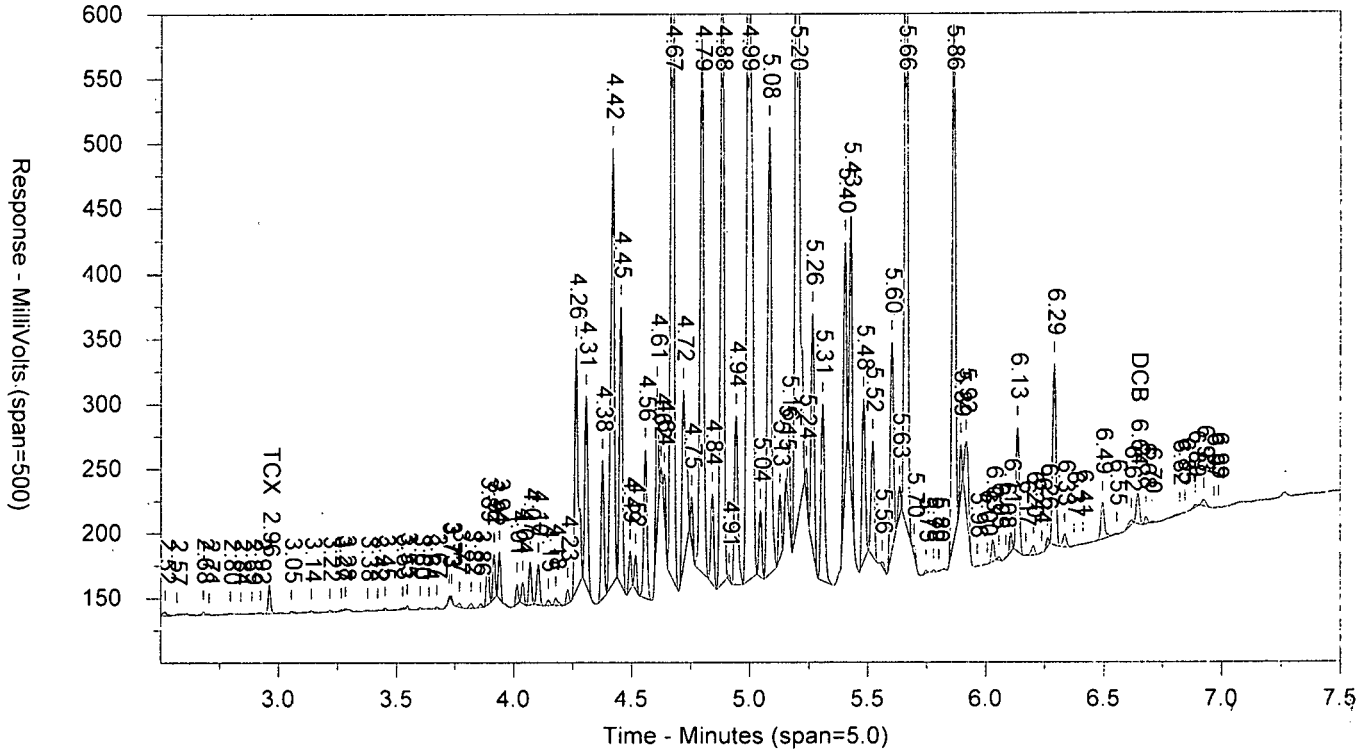

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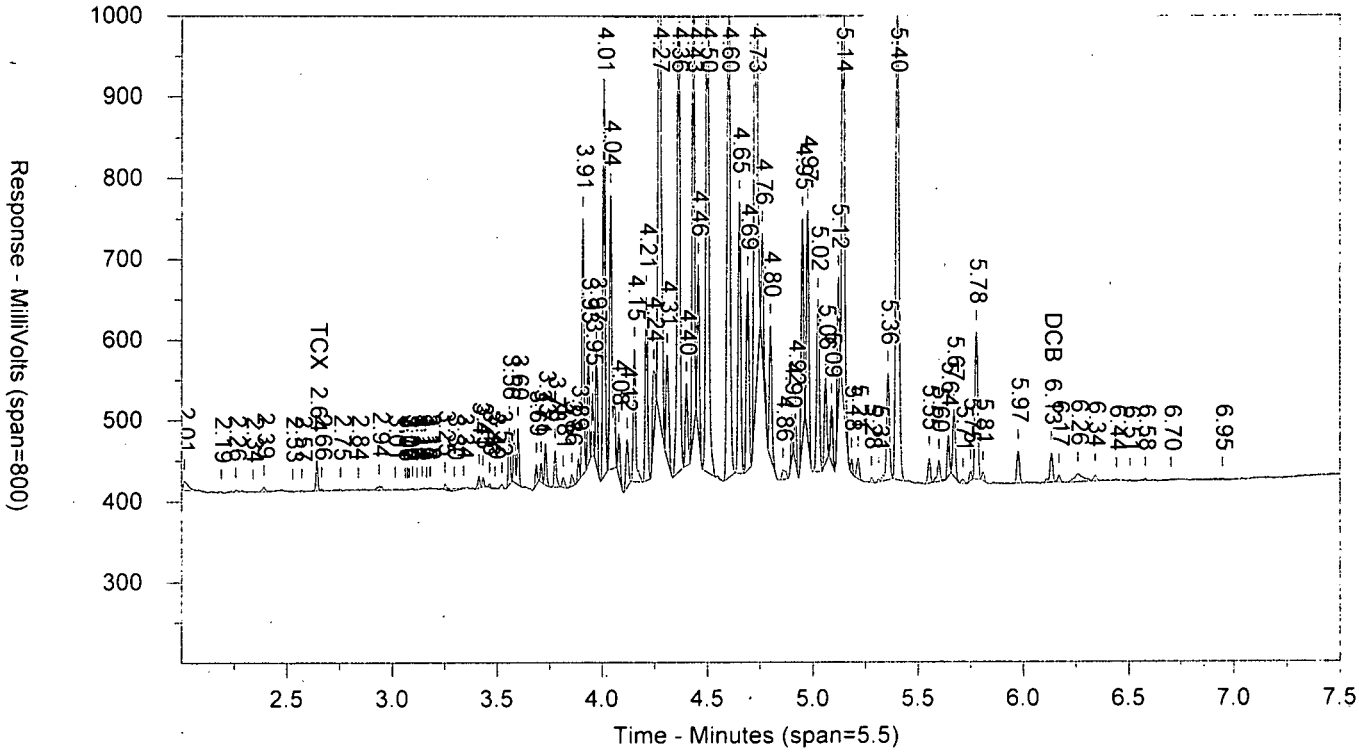

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: 9202627 ACF DF50 -103W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 11:04:05
Instrument	18274A
Result file	25PCBS17257004.092.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 85% (61 - 152) Conc: 25.60053
%SSR(DCB) 110% (48 - 164) Conc: 29.46941

Analysis Report (B)

Injected on	Sep 18, 2017 11:04:05
Instrument	18274B
Result file	25PCBS17257004B.092.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 91% (61 - 152) Conc: 27.44733
%SSR(DCB) 118% (48 - 164) Conc: 31.7393

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	58956	25.60053
Decachlorobiphenyl	6.61	6.64	6.67	63578	29.46941

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	99398	27.44733
Decachlorobiphenyl	6.10	6.13	6.16	97097	31.7393

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	27.44733				6.96	
☑	Tetrachloro-m-xylene-D1	A	25.60053					
☑	Tetrachloro-m-xylene-D2	B	27.44733					
☐	Decachlorobiphenyl	B	31.7393				7.42	
☑	Decachlorobiphenyl-D1	A	29.46941					
☑	Decachlorobiphenyl-D2	B	31.7393					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.33**	
4.97	4.99	5.01	1060915	8988.374503			1
5.17	5.19	5.21	1594516	10929.471339			2
5.24	5.26	5.28	602156.8	8532.442444			3
5.40	5.42	5.44	625694.9	8386.619315			4
5.64	5.66	5.68	2080478	10040.49001			5
5.84	5.86	5.88	1206952	9449.780502			6

Height summation: **7170712.7**
Concentration CF: **9387.863019** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**10.83**	
4.47	4.50	4.51	1556214	9241.928818			1
4.58	4.60	4.62	1197067	8962.278364			2
4.71	4.73	4.75	1863571	11446.300309			3
4.93	4.95	4.97	945012.5	8457.335915			4
5.12	5.14	5.16	2586257	9841.906127			5
5.38	5.40	5.42	1834997	10049.432056			6

Height summation: **9983118.5**
Concentration CF: **9666.530265** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2517.2755	<488.6476	D1		4	
☑	PCB-1221			<2517.2755	<755.1826	D1		3	
☑	PCB-1232			<2517.2755	<607.1076	D1		4	
☑	PCB-1242			<2517.2755	<607.1076	D1		4	
☑	PCB-1248			<2517.2755	<488.6476	D1		4	
☑	PCB-1254			<2517.2755	<651.5301	D1		4	
☑	PCB-1260	B	9666.530265	2517.2755	577.4926	D2	2.92	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:12

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202627** ACF DF50 -103W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:04:05
Instrument : CP25--18274A
Result file : 25PCBS17257004.092.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 85% (61-152) Conc.: 25.60053
%SSR(DCB) : 110% (48-164) Conc.: 29.46941

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	115.72	
3.19	3.21	3.23	782.3218	20.810202			1
3.41	3.42	3.45	520.9608	13.781558			2
3.52	3.54	3.56	792.7376	16.676212			3
3.74	3.76	3.78	1874.179	31.477167			4
3.79	3.82	3.83	1037.498	19.889853			5
3.99	4.01	4.03	4979.612	128.931263			6
Height Summation:			**9987.3092**				
Amount Avg CF:			**38.594376**	Linear:			
Aroclor-1221					2	64.41	
3.14	3.16	3.18	699.7395	39.205699			2
3.19	3.21	3.23	782.3218	14.668972			3
Height Summation:			**1482.0613**				
Amount Avg CF:			**26.937336**	Linear:			
Aroclor-1232					6	132.46	
3.19	3.21	3.23	782.3218	17.54328			1
3.40	3.42	3.44	520.9608	30.142059			2
3.52	3.54	3.56	792.7376	35.721819			3
3.73	3.76	3.77	1874.179	67.990728			4
3.79	3.82	3.83	1037.498	45.309064			5
3.99	4.01	4.03	4979.612	310.431222			6
Height Summation:			**9987.3092**				
Amount Avg CF:			**84.523029**	Linear:			
Aroclor-1242					6	116.50	
3.19	3.21	3.23	782.3218	14.781198			1
3.41	3.42	3.45	520.9608	10.196449			2
3.52	3.54	3.56	792.7376	12.226554			3
3.74	3.76	3.78	1874.179	22.749323			4
3.80	3.82	3.84	1037.498	14.427783			5
3.99	4.01	4.03	4979.612	94.529388			6
Height Summation:			**9987.3092**				
Amount Avg CF:			**28.151783**	Linear:			
Aroclor-1248					6	175.09	
3.74	3.76	3.78	1874.179	74.90244			1
3.80	3.82	3.84	1037.498	35.76994			2
3.86	3.89	3.90	10174.16	212.412403			3
3.99	4.01	4.03	4979.612	90.968263			4
4.08	4.10	4.12	7086.978	145.938661			5
4.26	4.26	4.30	88005.29	1772.498406			6
Height Summation:			**113157.717**				
Amount Avg CF:			**388.748352**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:04:05
Instrument : CP25--18274B
Result file : 25PCBS17257004B.092.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 91% (61-152) Conc.: 27.44733
%SSR(DCB) : 118% (48-164) Conc.: 31.7393

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	130.67	
2.91	2.94	2.95	5825.082	97.442616			1
3.11	3.14	3.15	1122.476	22.80379			2
+ 3.11	3.15	3.15	533.2366	10.833029			2
3.23	3.25	3.27	1884.668	26.600628			3
3.43	3.43	3.47	1617.926	21.817568			4
3.50	3.52	3.54	2997.601	37.775125			5
3.54	3.56	3.58	16418.81	304.851321			6
Height Summation:			**29866.563**				
Amount Avg CF:			**85.215175**	Linear:			
Aroclor-1221					3	25.26	
2.79	2.81	2.83	1824.773	53.282666			1
2.85	2.86	2.89	1817.925	88.929469			2
2.91	2.94	2.95	5825.082	69.70263			3
Height Summation:			**9467.78**				
Amount Avg CF:			**70.638255**	Linear:			
Aroclor-1232					6	159.25	
2.91	2.94	2.95	5825.082	83.829746			1
3.11	3.14	3.15	1122.476	48.81692			2
3.23	3.25	3.27	1884.668	58.619295			3
3.43	3.43	3.47	1617.926	47.703621			4
3.50	3.52	3.54	2997.601	85.250154			5
3.53	3.56	3.57	16418.81	784.583593			6
Height Summation:			**29866.563**				
Amount Avg CF:			**184.800555**	Linear:			
Aroclor-1242					6	134.24	
2.91	2.94	2.95	5825.082	71.508148			1
3.11	3.14	3.15	1122.476	19.468602			2
+ 3.11	3.15	3.15	533.2366	9.248635			2
3.23	3.25	3.27	1884.668	19.688096			3
3.43	3.43	3.47	1617.926	16.111346			4
+ 3.43	3.47	3.47	1601.162	15.94441			4
3.50	3.52	3.54	2997.601	28.563825			5
3.54	3.56	3.58	16418.81	244.002418			6
Height Summation:			**29866.563**				
Amount Avg CF:			**66.557073**	Linear:			
Aroclor-1248					6	152.65	
3.43	3.43	3.47	1617.926	54.397475			1
+ 3.43	3.47	3.47	1601.162	53.83384			1
3.50	3.52	3.54	2997.601	66.099255			2
3.54	3.56	3.58	16418.81	216.203261			3
3.66	3.68	3.70	8735.558	92.76839			4
3.75	3.77	3.79	8735.167	135.599925			5
3.89	3.91	3.93	142136.1	1209.609449			6
Height Summation:			**180641.162**				
Amount Avg CF:			**295.779626**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202627** ACF DF50 -103W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:04:05
Instrument : CP25--18274A
Result file : 25PCBS17257004.092.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	103.84	
4.24	4.26	4.28	88005.29	1637.067025			1
4.39	4.42	4.43	165572.6	1804.64446			2
4.65	4.67	4.68	456126.6	3569.872913			3
4.86	4.88	4.90	203779.9	2187.027395			4
5.06	5.08	5.10	482015.2	6640.275089			5
5.17	5.19	5.21	1594516	15760.939779			6
Height Summation:			**2990015.59**				
Amount Avg CF:			**5266.637777**	Linear:			
Aroclor-1260					6	10.33	
4.97	4.99	5.01	1060915	8988.374503			1
5.17	5.19	5.21	1594516	10929.471339			2
5.24	5.26	5.28	602156.8	8532.442444			3
5.40	5.42	5.44	625694.9	8386.619315			4
5.64	5.66	5.68	2080478	10040.49001			5
5.84	5.86	5.88	1206952	9449.780502			6
Height Summation:			**7170712.7**				
Amount Avg CF:			**9387.863019**	Linear:			
Aroclor-1262					6	32.44	
5.25	5.26	5.29	602156.8	5104.884457			1
5.41	5.42	5.45	625694.9	6001.996802			2
5.64	5.66	5.68	2080478	7935.379156			3
5.85	5.86	5.89	1206952	7655.100247			4
5.90	5.92	5.94	216988.4	2799.218083			5
6.27	6.29	6.31	506354.3	5339.468692			6
Height Summation:			**5238624.4**				
Amount Avg CF:			**5806.007906**	Linear:			
Aroclor-1268					6	95.11	
5.84	5.86	5.88	1206952	4222.604041			1
5.90	5.92	5.94	216988.4	866.569211			2
6.03	6.05	6.07	13735.24	57.519022			3
+ 6.10	6.10	6.14	34492.67	551.121155			4
6.10	6.13	6.14	223859.2	3576.804601			4
6.27	6.29	6.31	506354.3	4828.938622			5
6.47	6.49	6.51	102913.8	129.206646			6
Height Summation:			**2270802.94**				
Amount Avg CF:			**2280.273691**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:04:05
Instrument : CP25--18274B
Result file : 25PCBS17257004B.092.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	85.01	
+ 4.25	4.25	4.29	100095	558.084354			1
4.25	4.27	4.29	583011.9	3250.610115			1
4.34	4.36	4.38	1186972	14086.965188			2
4.41	4.43	4.45	197114.7	1589.612464			3
4.48	4.50	4.51	1556214	21001.516552			4
4.63	4.65	4.67	238173.3	2733.79831			5
4.71	4.73	4.75	1863571	13511.835194			6
Height Summation:			**5625056.9**				
Amount Avg CF:			**9362.389637**	Linear:			
Aroclor-1260					6	10.83	
4.47	4.50	4.51	1556214	9241.928818			1
4.58	4.60	4.62	1197067	8962.278364			2
4.71	4.73	4.75	1863571	11446.300309			3
4.93	4.95	4.97	945012.5	8457.335915			4
5.12	5.14	5.16	2586257	9841.906127			5
5.38	5.40	5.42	1834997	10049.432056			6
Height Summation:			**9983118.5**				
Amount Avg CF:			**9666.530265**	Linear:			
Aroclor-1262					6	30.69	
4.74	4.76	4.78	678924.6	4149.161115			1
4.93	4.95	4.97	945012.5	5787.742851			2
+ 4.93	4.97	4.97	250408.9	1533.632963			2
5.12	5.14	5.16	2586257	7484.407663			3
5.34	5.35	5.38	459105.9	3459.063257			4
5.38	5.40	5.42	1834997	7921.717156			5
5.76	5.77	5.80	725723.5	5668.945527			6
Height Summation:			**7230020.5**				
Amount Avg CF:			**5745.172928**	Linear:			
Aroclor-1268					6	124.72	
5.33	5.35	5.37	459105.9	1187.430229			1
5.38	5.40	5.42	1834997	4836.662924			2
5.53	5.55	5.57	39732.18	124.961132			3
5.60	5.62	5.64	12403.42	149.482583			4
5.75	5.77	5.79	725723.5	5058.103617			5
5.95	5.97	5.99	146475.7	123.511496			6
Height Summation:			**3218437.7**				
Amount Avg CF:			**1913.358663**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2517.2755	488.6476		** 75.31	4	40	
Aroclor-1221			2517.2755	755.1826		** 89.57	3	5	
Aroclor-1232			2517.2755	607.1076		** 74.47	4	10	
Aroclor-1242			2517.2755	607.1076		** 81.10	4	30	
Aroclor-1248			2517.2755	488.6476		27.16	4	40	
Aroclor-1254			2517.2755	651.5301		** 55.99	4	40	
Aroclor-1260			2517.2755	577.4926		2.92	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202627 ACF DF50 -103W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.13 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 11:04:05
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.092.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 11:04:05
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.092.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			2517.2755	488.6476		1.05	4	40	
Aroclor-1268			2517.2755	488.6476		17.50	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:04:05 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.092.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.043		677	616
2.073		3097	4114
2.104		5767	9515
2.166		2148	1994
2.234		8465	6799
2.359		1519	1373
2.395		1779	1830
2.459		464	170
2.512		2140	2953
2.576		1278	3422
2.665		638	269
2.682		7067	4702
2.744		405	252
2.782		579	1027
2.835		352	251
2.905		393	169
2.96	TCX	58956	39896
3.049		384	282
3.067		1214	733
3.159		700	376
3.21		782	1401
3.268		3999	2564
3.281		3386	1608
3.393		455	312
3.419		521	534
3.518		803	904
3.541		793	724
3.636		552	366
3.711		564	357
3.72		1157	1171
3.76		1874	2005
3.816		1037	709
3.846		868	1135
3.886		10174	7528
3.914		6206	4288
3.936		6245	3880
4.009		4980	3470
4.035		2745	1734
4.067		5004	3763
4.099		7087	6792
4.145		1039	1016
4.174		2005	2283
4.225		3172	2431
4.261		88005	83234
4.306		41422	36559
4.373		56626	48176
4.416		165573	170523
4.45		85620	73013
4.49		11397	8475
4.511		8211	5985
4.555		46045	44168
4.605		28807	19295
4.621		88417	89905
4.666		456127	426517

RT A	Compound A	Height A	Area A
4.715		305167	352117
4.751		53623	35770
4.792		783944	764276
4.837		19449	16216
4.878		203780	209891
4.91		5707	3355
4.939		209242	202665
4.99		1060915	1415698
5.041		169815	161125
5.081		482015	548577
5.125		26543	16918
5.16		118453	145812
5.195		1594516	1642670
5.237		19177	8522
5.262		602157	570100
5.304		406810	405102
5.398		227492	179059
5.423		625695	565017
5.48		369319	354403
5.518		223028	211332
5.561		24331	22927
5.601		217807	222913
5.632		3942	1880
5.658		2080478	2059560
5.745		4620	4677
5.776		1812	1177
5.803		2709	3135
5.862		1206952	1153813
5.892		73649	45088
5.916		216988	255686
6		557	464
6.028		13783	10704
6.054		13735	11686
6.104		34493	27066
6.133		223859	217343
6.167		1822	1119
6.196		3276	3099
6.237		236	395
6.26		2430	1391
6.288		506354	515452
6.333		34807	33682
6.395		225	833
6.411		1114	1043
6.43		737	311
6.491		102914	109970
6.543		497	329
6.616		1923	2548
6.641	DCB	63578	61806
6.676		2803	2124
6.702		1741	1123
6.754		683	390
6.804		1080	931
6.865		509	937
6.888		1055	1077
6.922		5906	8408
6.981		627	610

LANCASTER LABORATORIES

Sample Number: 9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:04:05 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.092.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		12291	23602
2.14		2340	2328
2.266		3146	7814
2.392		15014	11572
2.448		1861	2944
2.55		1181	772
2.642	TCX	99398	62934
2.743		1593	2710
2.811		1825	2509
2.86		1818	1418
2.937		5825	2589
2.95		11472	5017
3.059		1464	1132
3.08		854	365
3.085		772	168
3.092		900	299
3.107		1301	947
3.14		1122	650
3.151		533	78
3.163		606	188
3.171		574	138
3.186		523	191
3.255		1885	1082
3.313		1415	2830
3.359		1403	1943
3.412		3646	3207
3.434		1618	1076
3.466		1601	856
3.522		2998	2823
3.556		16419	9859
3.58		13773	7345
3.598		12992	7315
3.683		8736	5964
3.706		4685	2886
3.728		8512	5703
3.774		8735	6100
3.812		4658	3694
3.854		5198	4698
3.906		142136	100396
3.932		20214	10653
3.951		41006	22289
3.97		83143	50847
4.006		250046	184240
4.037		132588	114671
4.077		19311	12157
4.117		18185	15673
4.151		69142	62804
4.207		112503	82798
4.25		100095	80910
4.269		583012	683506
4.307		208650	195176
4.359		1186972	943770
4.398		33149	36512
4.429		197115	130057

RT B	Compound B	Height B	Area B
4.453		328097	250676
4.496		1556215	1284874
4.598		1197067	1160040
4.65		238173	212293
4.69		396657	349558
4.726		1863571	1583362
4.758		678925	482382
4.797		537424	432621
4.866		7327	10434
4.896		174271	212134
4.947		945013	743919
4.971		250409	173411
5.021		589465	525176
5.057		273512	225069
5.086		205676	167770
5.118		72527	42582
5.14		2586257	2242889
5.181		54523	38390
5.213		79900	66686
5.276		8822	6545
5.331		20357	12202
5.353		459106	393615
5.398		1834997	1901507
5.552		39732	35412
5.597		64726	51708
5.62		12403	6830
5.642		23417	14946
5.669		288366	252456
5.748		6281	3999
5.775		725724	594952
5.806		45093	31954
5.973		146476	132575
6.056		1340	1383
6.132	DCB	97097	86421
6.167		5399	5443
6.256		9607	27657
6.339		4992	5312
6.438		2527	5035
6.512		1354	2486
6.607		1953	2259

9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082

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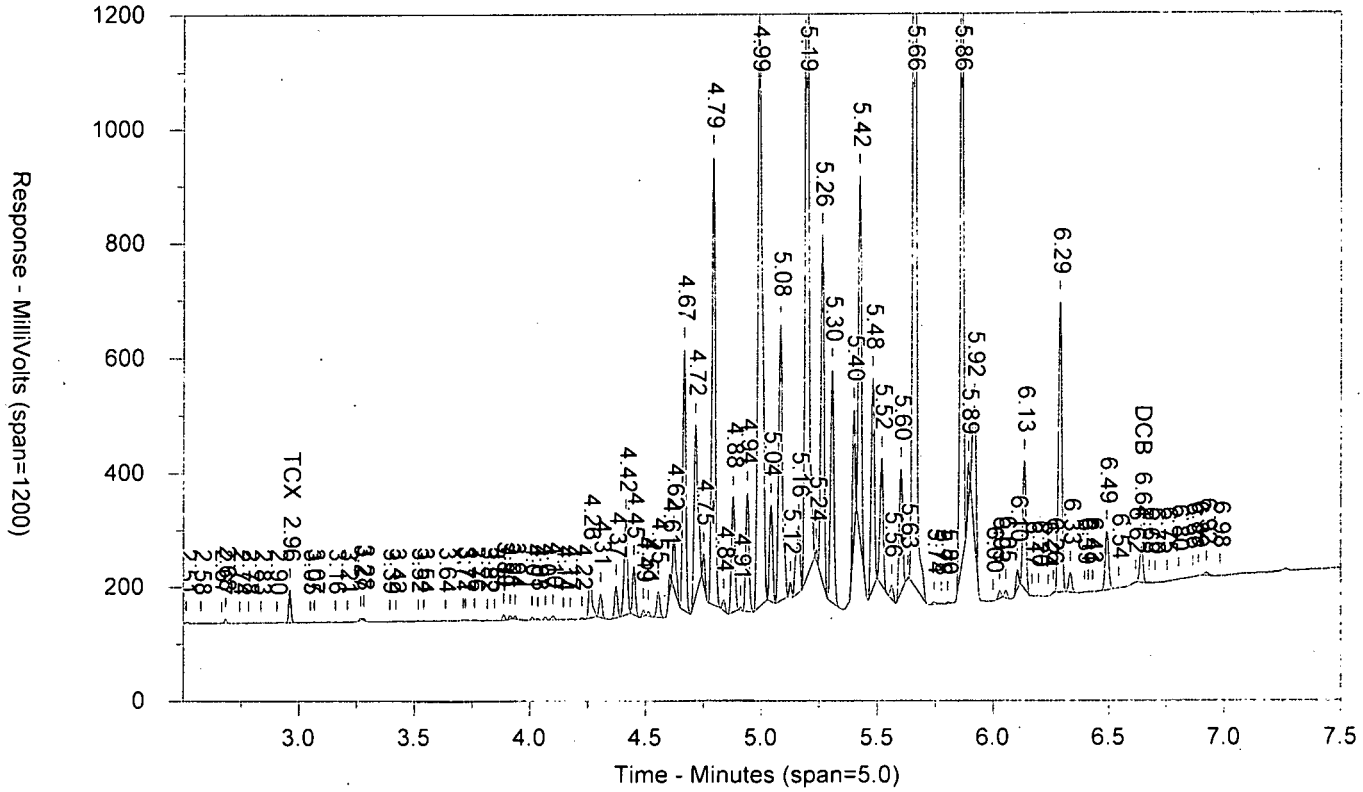

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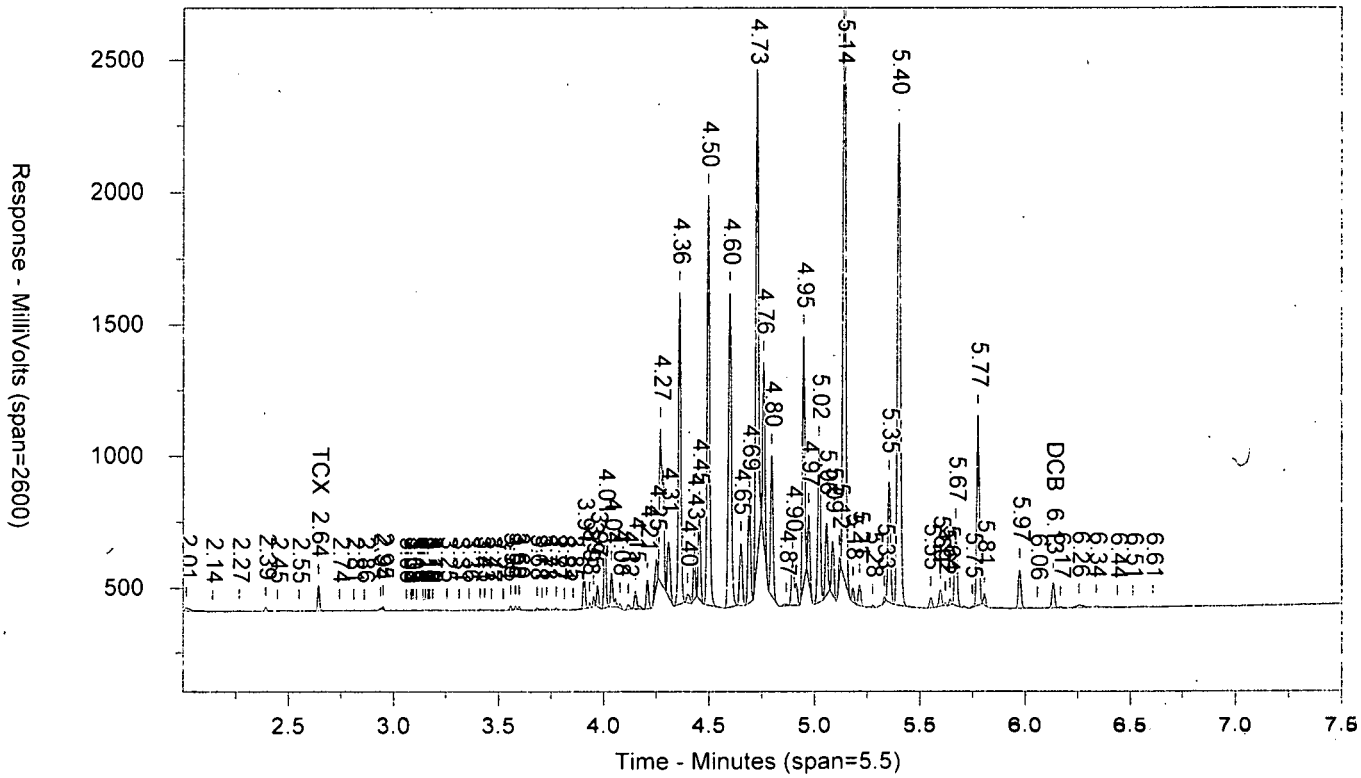

LANCASTER LABORATORIES

Sample Number: 9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:04:05 AM Sample Weight: 10.13
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	58956	25.601	TCX	2.642	99398	27.447	TCX
6.641	63578	29.469	DCB	6.132	97097	31.739	DCB

Files:
Area File: 25PCBS17257004.092.RAW
Area File: 25PCBS17257004B.092.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:12:36 AM
File Reported On: 9/18/2017 at 11:12:46 AM

9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082

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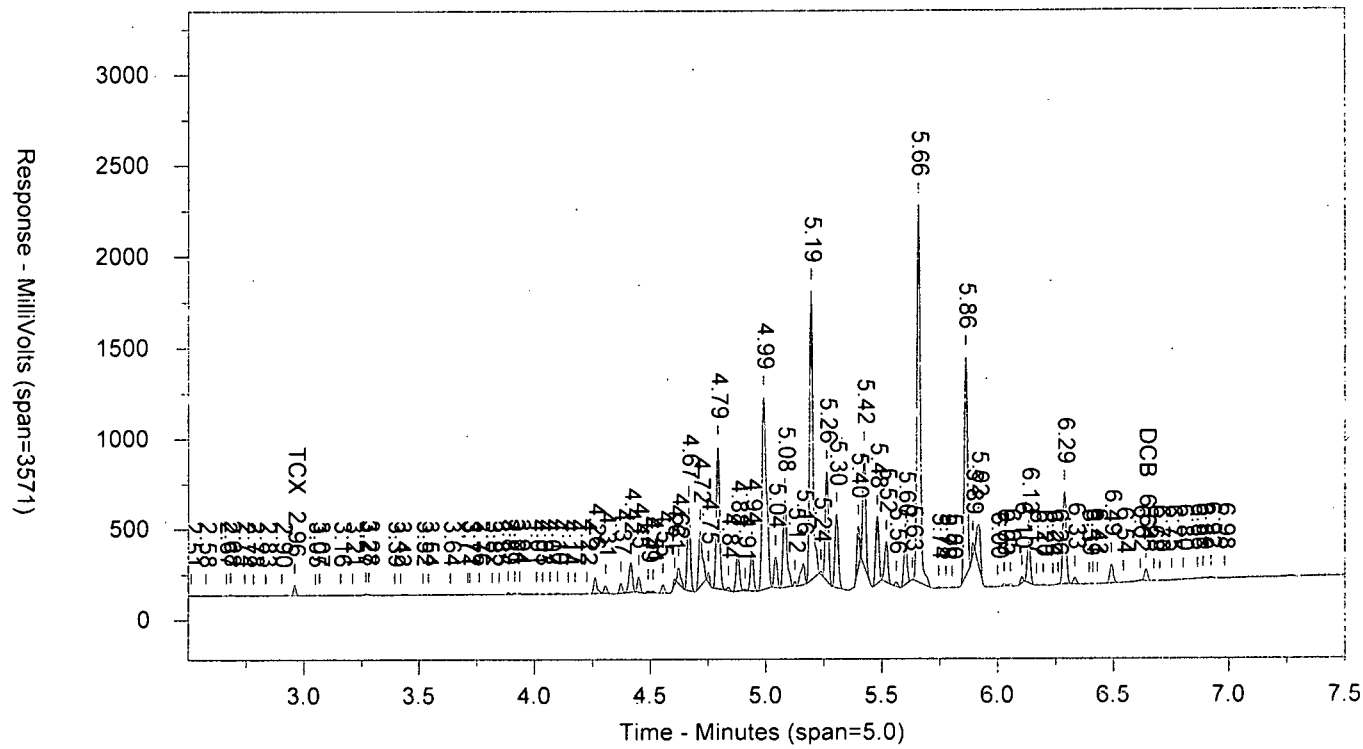

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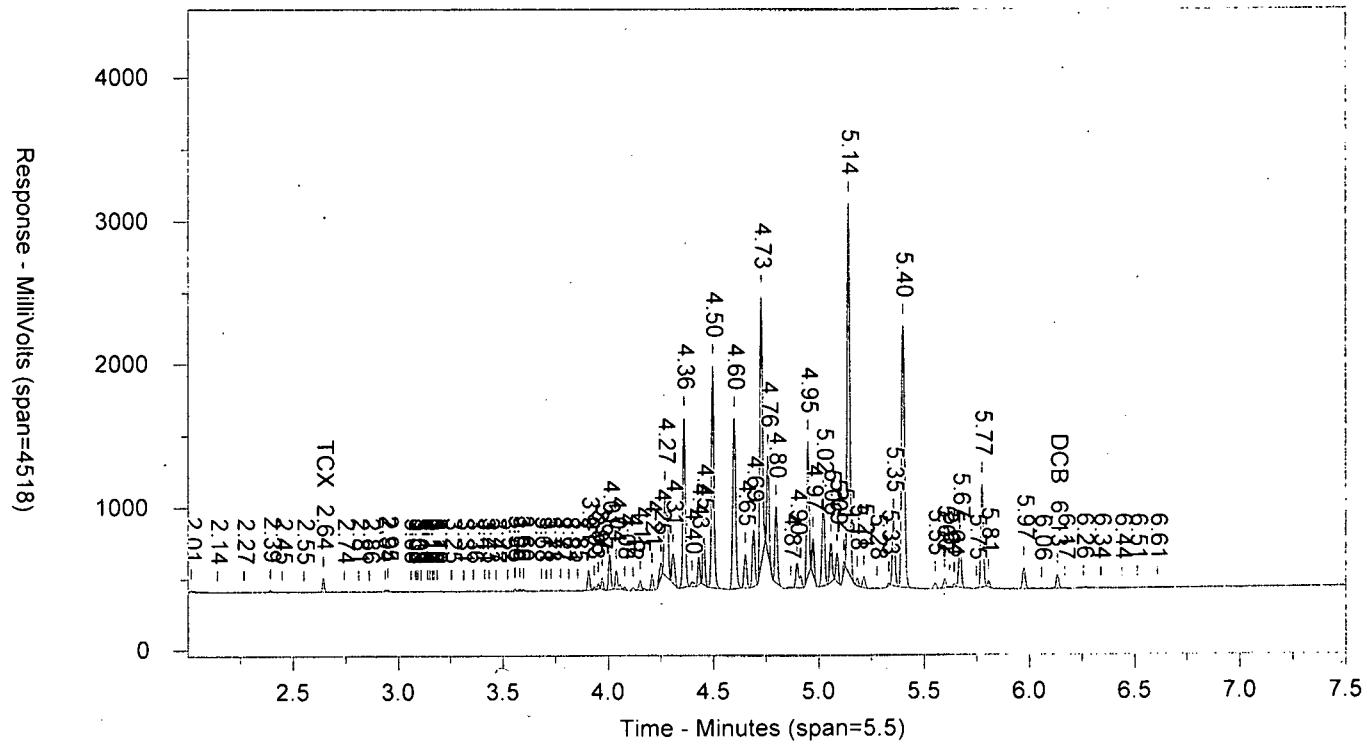

9202627 ACF DF50 AC-103W T 172560011A 10225 SW-846 8082

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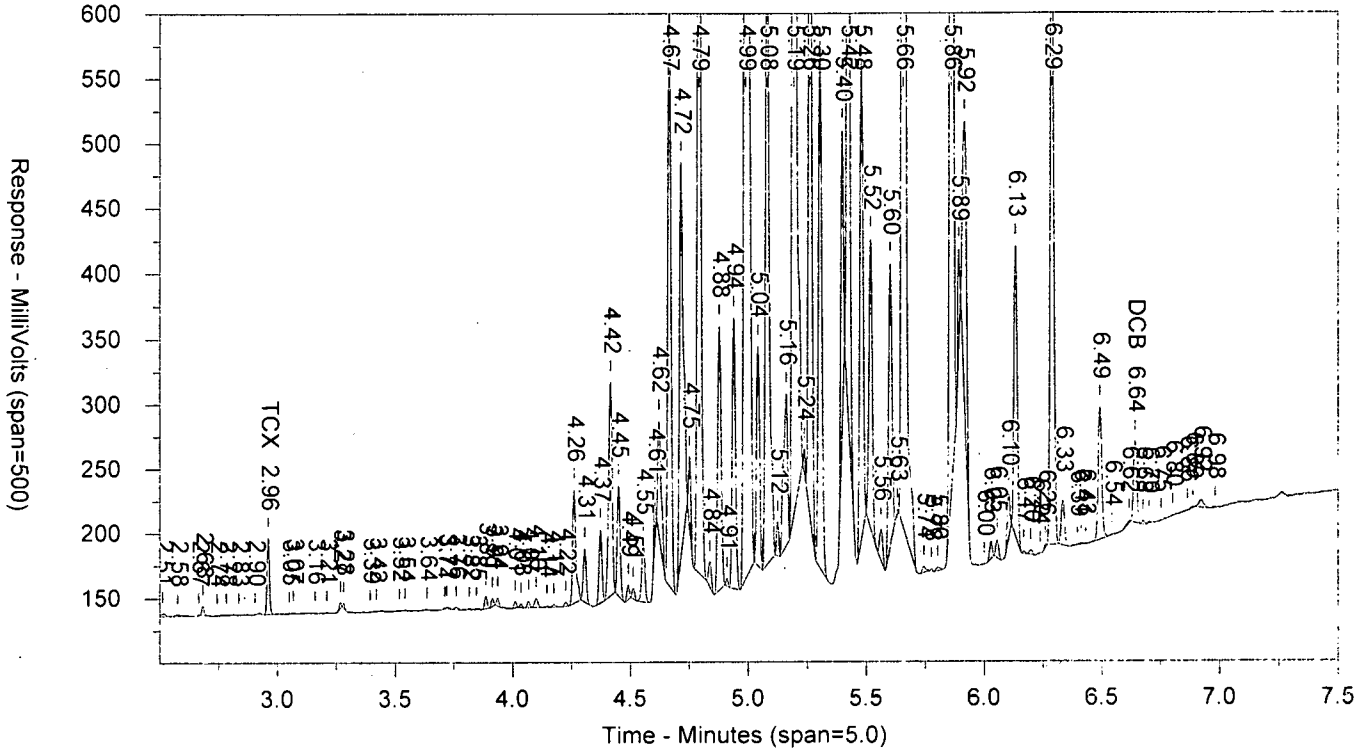

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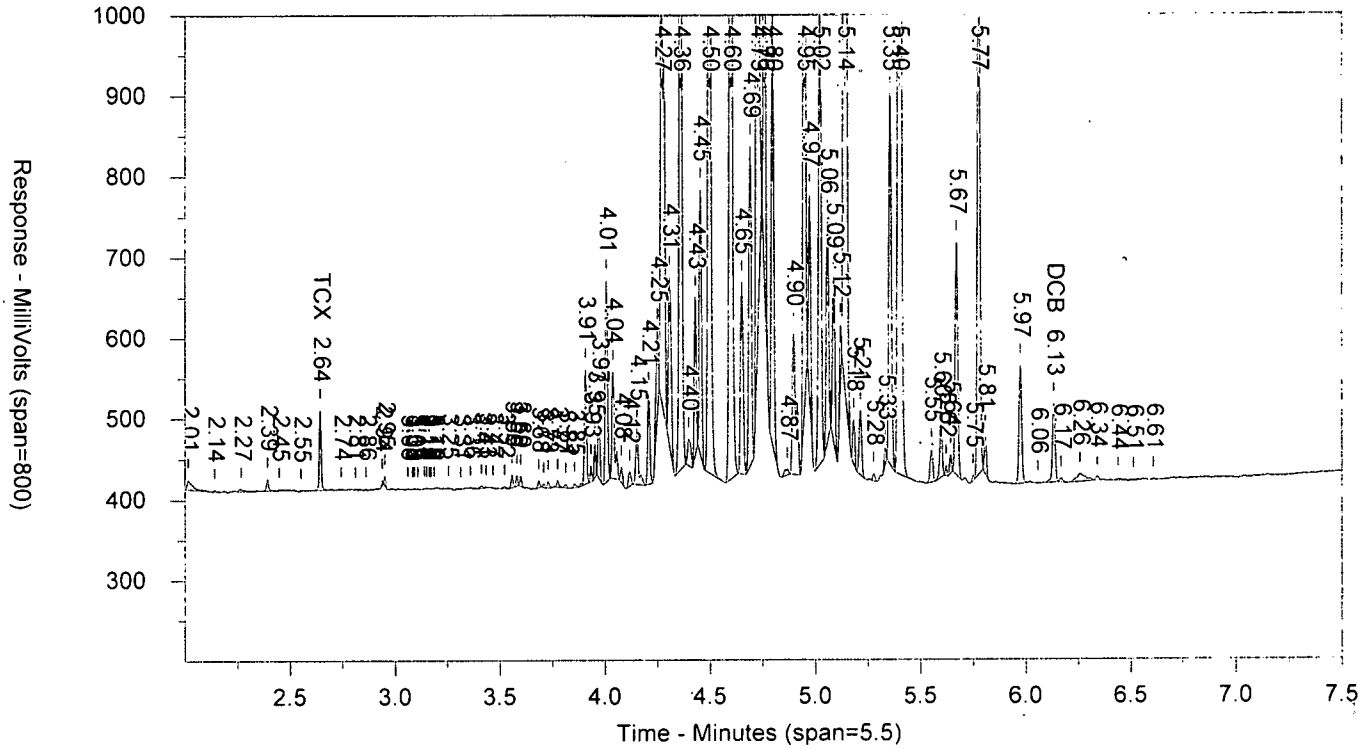

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Data Summary

Sample Name: 9202628 ACF DF100 -103E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.32 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 11:15:09
Instrument	18274A
Result file	25PCBS17257004.093.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 68% (61 - 152) Conc: 20.10539
%SSR(DCB) 132% (48 - 164) Conc: 34.71982

Analysis Report (B)

Injected on	Sep 18, 2017 11:15:09
Instrument	18274B
Result file	25PCBS17257004B.093.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 75% (61 - 152) Conc: 22.19539
%SSR(DCB) 90% (48 - 164) Conc: 23.67265

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	23585	20.10539
Decachlorobiphenyl	6.61	6.64	6.67	38155	34.71982

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	40943	22.19539
Decachlorobiphenyl	6.10	6.13	6.16	36889	23.67265

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	22.19539				9.88	
☑	Tetrachloro-m-xylene-D1	A	20.10539					
☑	Tetrachloro-m-xylene-D2	B	22.19539					
☐	Decachlorobiphenyl	A	34.71982				37.84	
☑	Decachlorobiphenyl-D1	A	34.71982					
☑	Decachlorobiphenyl-D2	B	23.67265					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.48**	
4.97	4.99	5.01	1049760	17460.245002			1
5.17	5.19	5.21	1490685	20059.305801			2
5.24	5.26	5.28	450979.5	12545.278786			3
5.40	5.42	5.44	486604.8	12804.435809			4
5.64	5.66	5.68	1466591	13895.063631			5
5.84	5.86	5.88	938499.5	14425.321844			6

Height summation: **5883119.8**
Concentration CF: **15198.275146** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.15**	
4.47	4.49	4.51	1514388	17655.913993			1
4.58	4.60	4.62	1044851	15357.272009			2
4.71	4.72	4.75	1781483	21481.302882			3
4.93	4.95	4.97	703609.5	12361.963752			4
5.12	5.14	5.16	1911281	14278.803778			5
5.38	5.40	5.42	1349299	14506.882784			6

Height summation: **8304911.5**
Concentration CF: **15940.356533** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<4941.8603	<959.3023	D1		4	
☑	PCB-1221			<4941.8603	<1482.5581	D1		3	
☑	PCB-1232			<4941.8603	<1191.8604	D1		4	
☑	PCB-1242			<4941.8603	<1191.8604	D1		4	
☑	PCB-1248			<4941.8603	<959.3023	D1		4	
☑	PCB-1254			<4941.8603	<1279.0697	D1		4	
☑	PCB-1260	B	15940.356533	4941.8603	1133.7209	D2	4.77	4	

Units: ug/kg

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

Valerie L. Tomaylo
Analytical Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:14

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202628** ACF DF100 -103E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.32 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.093.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 68% (61-152) Conc.: 20.10539
%SSR(DCB) : 132% (48-164) Conc.: 34.71982

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**109.78**	
3.19	3.21	3.23	6104.476	318.785828			1
+ 3.41	3.41	3.45	499.0079	25.915551			2
3.41	3.42	3.45	858.7573	44.59883			2
3.52	3.52	3.56	5152.001	212.766686			3
+ 3.52	3.54	3.56	4086.686	168.771442			3
3.74	3.76	3.78	20560.62	677.923249			4
3.79	3.81	3.83	8512.721	320.385204			5
3.99	4.01	4.03	33129.41	1683.977085			6
Height Summation:			**74317.9853**				
Amount Avg CF:			**543.072814**	Linear:			
Aroclor-1221					**1**		
3.19	3.21	3.23	6104.476	224.709997			3
Height Summation:			**6104.476**				
Amount Avg CF:			**224.709997**	Linear:			
Aroclor-1232					**6**	**126.28**	
3.19	3.21	3.23	6104.476	268.740737			1
+ 3.40	3.41	3.44	499.0079	56.680678			2
3.40	3.42	3.44	858.7573	97.543438			2
3.52	3.52	3.56	5152.001	455.763762			3
+ 3.52	3.54	3.56	4086.686	361.522326			3
3.73	3.76	3.77	20560.62	1464.315203			4
3.79	3.81	3.83	8512.721	729.837152			5
3.99	4.01	4.03	33129.41	4054.556294			6
Height Summation:			**74317.9853**				
Amount Avg CF:			**1178.459431**	Linear:			
Aroclor-1242					**6**	**97.83**	
3.19	3.21	3.23	6104.476	226.429154			1
+ 3.41	3.41	3.45	499.0079	19.173926			2
+ 3.41	3.42	3.45	858.7573	32.996971			2
3.41	3.45	3.45	6218.657	238.94626			2
3.52	3.54	3.56	4086.686	123.738723			3
3.74	3.76	3.78	20560.62	489.951797			4
3.80	3.81	3.84	8512.721	232.402335			5
3.99	4.01	4.03	33129.41	1234.652637			6
Height Summation:			**78612.57**				
Amount Avg CF:			**424.353484**	Linear:			
Aroclor-1248					**6**	**122.89**	
3.74	3.76	3.78	20560.62	1613.172637			1
3.80	3.81	3.84	8512.721	576.181203			2
3.86	3.88	3.90	74003.28	3033.136969			3
3.99	4.01	4.03	33129.41	1188.140619			4
4.08	4.10	4.12	46516.23	1880.500816			5
4.26	4.26	4.30	284824.8	11261.976577			6
Height Summation:			**467547.061**				
Amount Avg CF:			**3258.85147**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.093.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 75% (61-152) Conc.: 22.19539
%SSR(DCB) : 90% (48-164) Conc.: 23.67265

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**138.32**	
+ 2.91	2.92	2.95	4289.071	140.854223			1
2.91	2.94	2.95	13822.53	453.935532			1
+ 3.11	3.12	3.15	903.2527	36.024585			2
3.11	3.13	3.15	1469.105	58.59257			2
+ 3.11	3.14	3.15	1428.466	56.971758			2
3.23	3.25	3.27	23114.17	640.464531			3
3.43	3.43	3.47	44791.32	1185.772244			4
+ 3.43	3.46	3.47	34931.42	924.748552			4
3.50	3.52	3.54	8058.905	199.373701			5
3.54	3.55	3.58	114427.9	4170.979695			6
Height Summation:			**205683.93**				
Amount Avg CF:			**1118.186379**	Linear:			
Aroclor-1221					**1**		
+ 2.91	2.92	2.95	4289.071	100.755811			3
2.91	2.94	2.95	13822.53	324.70906			3
Height Summation:			**13822.53**				
Amount Avg CF:			**324.70906**	Linear:			
Aroclor-1232					**6**	**155.86**	
+ 2.91	2.92	2.95	4289.071	121.17669			1
2.91	2.94	2.95	13822.53	390.520099			1
+ 3.11	3.12	3.15	903.2527	77.119166			2
3.11	3.13	3.15	1469.105	125.431291			2
+ 3.11	3.14	3.15	1428.466	121.961558			2
3.23	3.25	3.27	23114.17	1411.379417			3
3.43	3.43	3.47	44791.32	2592.664343			4
+ 3.43	3.46	3.47	34931.42	2021.941909			4
3.50	3.52	3.54	8058.905	449.942613			5
3.53	3.55	3.57	114427.9	10734.682803			6
Height Summation:			**205683.93**				
Amount Avg CF:			**2617.436761**	Linear:			
Aroclor-1242					**6**	**142.84**	
+ 2.91	2.92	2.95	4289.071	103.365704			1
2.91	2.94	2.95	13822.53	333.12005			1
+ 3.11	3.12	3.15	903.2527	30.755778			2
3.11	3.13	3.15	1469.105	50.023064			2
+ 3.11	3.14	3.15	1428.466	48.639305			2
3.23	3.25	3.27	23114.17	474.031174			3
3.43	3.43	3.47	44791.32	875.642408			4
+ 3.43	3.46	3.47	34931.42	682.887504			4
3.50	3.52	3.54	8058.905	150.757288			5
3.54	3.55	3.58	114427.9	3338.444226			6
Height Summation:			**205683.93**				
Amount Avg CF:			**870.336368**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202628** ACF DF100 -103E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.32 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.093.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	60.39	
4.24	4.26	4.28	284824.8	10401.482127			1
4.39	4.41	4.43	410555.2	8784.852721			2
4.65	4.66	4.68	651501.7	10010.197653			3
4.86	4.87	4.90	367639	7745.941242			4
5.06	5.08	5.10	478675.9	12945.732952			5
5.17	5.19	5.21	1490685	28926.697454			6
Height Summation:			**3683881.6**				
Amount Avg CF:			**13135.817358**	Linear:			
Aroclor-1260					6	19.48	
4.97	4.99	5.01	1049760	17460.245002			1
5.17	5.19	5.21	1490685	20059.305801			2
5.24	5.26	5.28	450979.5	12545.278786			3
5.40	5.42	5.44	486604.8	12804.435809			4
5.64	5.66	5.68	1466591	13895.063631			5
5.84	5.86	5.88	938499.5	14425.321844			6
Height Summation:			**5883119.8**				
Amount Avg CF:			**15198.275146**	Linear:			
Aroclor-1262					6	35.31	
5.25	5.26	5.29	450979.5	7505.728765			1
5.41	5.42	5.45	486604.8	9163.666536			2
5.64	5.66	5.68	1466591	10981.794535			3
5.85	5.86	5.89	938499.5	11685.698391			4
5.90	5.91	5.94	138263	3501.595191			5
6.27	6.29	6.31	359279.8	7437.655968			6
Height Summation:			**3840217.6**				
Amount Avg CF:			**8379.356564**	Linear:			
Aroclor-1268					6	96.60	
5.84	5.86	5.88	938499.5	6445.908696			1
5.90	5.91	5.94	138263	1084.007924			2
6.03	6.05	6.07	7337.308	60.321445			3
+ 6.10	6.10	6.14	28973.58	908.828991			4
6.10	6.13	6.14	172205	5401.641646			4
6.27	6.29	6.31	359279.8	6726.50899			5
6.47	6.49	6.51	68555.66	168.971826			6
Height Summation:			**1684140.268**				
Amount Avg CF:			**3314.560088**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.093.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	92.91	
3.43	3.43	3.47	44791.32	2956.471441			1
+ 3.43	3.46	3.47	34931.42	2305.664259			1
3.50	3.52	3.54	8058.905	348.865901			2
3.54	3.55	3.58	114427.9	2958.095803			3
3.66	3.68	3.70	65963.91	1375.230517			4
3.75	3.77	3.79	57517.83	1752.873088			5
3.89	3.90	3.93	479833.3	8016.612728			6
Height Summation:			**770593.165**				
Amount Avg CF:			**2901.358246**	Linear:			
Aroclor-1254					6	70.59	
4.25	4.27	4.29	856876.4	9379.191183			1
4.34	4.36	4.38	1129442	26314.834584			2
4.41	4.43	4.45	439189.1	6953.181129			3
4.48	4.49	4.51	1514388	40121.59986			4
4.63	4.65	4.67	315186.6	7102.330628			5
4.71	4.72	4.75	1781483	25357.697811			6
Height Summation:			**6036565.1**				
Amount Avg CF:			**19204.805866**	Linear:			
Aroclor-1260					6	20.15	
4.47	4.49	4.51	1514388	17655.913993			1
4.58	4.60	4.62	1044851	15357.272009			2
4.71	4.72	4.75	1781483	21481.302882			3
4.93	4.95	4.97	703609.5	12361.963752			4
5.12	5.14	5.16	1911281	14278.803778			5
5.38	5.40	5.42	1349299	14506.882784			6
Height Summation:			**8304911.5**				
Amount Avg CF:			**15940.356533**	Linear:			
Aroclor-1262					6	33.41	
4.74	4.76	4.78	506186.8	6073.084356			1
4.93	4.95	4.97	703609.5	8459.85876			2
+ 4.93	4.97	4.97	280207.6	3369.080036			2
5.12	5.14	5.16	1911281	10858.505155			3
5.34	5.35	5.38	309073.9	4571.594549			4
5.38	5.40	5.42	1349299	11435.414618			5
5.76	5.77	5.80	462042.5	7085.536935			6
Height Summation:			**5241492.7**				
Amount Avg CF:			**8080.665729**	Linear:			
Aroclor-1268					6	116.99	
5.33	5.35	5.37	309073.9	1569.340934			1
5.38	5.40	5.42	1349299	6981.976863			2
5.53	5.55	5.57	32475.85	200.517751			3
5.60	5.64	5.64	34810.4	823.602966			4
5.75	5.77	5.79	462042.5	6322.054045			5
5.95	5.97	5.99	93286.82	154.426501			6
Height Summation:			**2280988.47**				
Amount Avg CF:			**2675.319843**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202628 ACF DF100 -103E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.32 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.093.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 11:15:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.093.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4941.8608	959.3024		** 69.24	4	40	
Aroclor-1221			4941.8608	1482.5582		36.40	3	5	
Aroclor-1232			4941.8608	1191.8605		** 75.82	4	10	
Aroclor-1242			4941.8608	1191.8605		** 68.89	4	30	
Aroclor-1248			4941.8608	959.3024		11.61	4	40	
Aroclor-1254			4941.8608	1279.0698		37.53	4	40	
Aroclor-1260			4941.8608	1133.721		4.77	4	40	
Aroclor-1262			4941.8608	959.3024		3.63	4	40	
Aroclor-1268			4941.8608	959.3024		21.34	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202628 ACF DF100 AC-103E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:15:09 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.093.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.038		520	701
2.075		3769	4535
2.1		7756	13272
2.204		2612	1855
2.233		6546	4544
2.308		3942	2955
2.358		1297	1280
2.392		1156	844
2.41		3511	2572
2.473		349	248
2.509		6758	7098
2.566		1432	1467
2.605		4422	3494
2.666		643	384
2.681		4018	2082
2.698		4230	2910
2.734		794	574
2.764		435	327
2.79		5127	4335
2.824		724	884
2.879		4951	3874
2.919		730	573
2.959	TCX	23585	18844
3.05		6016	5091
3.133		5832	4972
3.214		6104	5770
3.279		5714	2969
3.292		1969	1177
3.37		5915	5494
3.412		499	309
3.424		859	278
3.446		6219	5350
3.484		415	314
3.521		5152	4012
3.54		4087	2357
3.594		6481	6936
3.635		661	433
3.666		6234	6180
3.729		30824	34100
3.764		20561	14589
3.81		8513	8522
3.855		6695	4983
3.883		74003	55427
3.91		85068	57556
3.932		92571	63223
4.007		33129	23506
4.031		25605	18857
4.063		39452	30221
4.097		46516	42059
4.141		11512	10614
4.171		12360	11827
4.222		14253	10731
4.257		284825	284202
4.301		157446	146528

RT A	Compound A	Height A	Area A
4.37		110516	92812
4.412		410555	440672
4.447		208162	185172
4.487		25979	18710
4.509		23815	17157
4.551		123746	115153
4.601		106263	77456
4.618		59904	69775
4.663		651502	590906
4.712		275312	315472
4.748		68879	43755
4.789		718893	723724
4.834		48029	40387
4.875		367639	381468
4.907		6789	4042
4.936		194412	191410
4.987		1049761	1367589
5.039		141619	127374
5.077		478676	538336
5.121		39426	25931
5.158		110513	139562
5.192		1490685	1516670
5.233		23412	10777
5.258		450980	421785
5.301		309638	322774
5.372		2474	1978
5.396		225033	185912
5.421		486605	424337
5.477		290682	281926
5.515		191173	188007
5.557		20491	21584
5.597		207813	215930
5.63		6400	3283
5.656		1466591	1499830
5.744		2211	2315
5.775		1104	829
5.801		443	257
5.859		938500	871925
5.889		65184	43761
5.913		138263	167543
5.962		571	480
5.99		634	350
6.025		13617	11394
6.051		7337	6026
6.1		28974	22110
6.13		172205	167038
6.195		4847	5101
6.233		692	386
6.258		3502	2227
6.285		359280	355876
6.33		24867	23930
6.373		809	611
6.406		926	775
6.489		68556	70599
6.546		1082	1016
6.636	DCB	38155	48656
6.673		3718	2788
6.697		2503	2096
6.765		565	378
6.803		712	611
6.828		273	216
6.837		741	134
6.883		4868	5867
6.918		4107	4064
6.976		884	898

LANCASTER LABORATORIES

Sample Number: 9202628 ACF DF100 AC-103E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:15:09 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.093.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		12893	22094
2.073		9608	5839
2.128		3926	7232
2.176		7540	5544
2.216		1909	1141
2.241		1333	918
2.258		3308	2060
2.275		8316	5813
2.313		1821	2043
2.337		2488	2709
2.373		6584	3125
2.392		9079	8843
2.47		8323	5720
2.516		2390	2035
2.564		10856	8877
2.622		1579	2602
2.642	TCX	40943	30047
2.746		9600	12057
2.79		2869	4722
2.835		7893	12036
2.922		4289	2279
2.937		13823	8193
2.98		1856	1092
3.008		5192	4826
3.068		1058	280
3.091		6247	5321
3.118		903	237
3.132		1469	754
3.142		1428	607
3.169		4907	5307
3.216		1780	1809
3.252		23114	33563
3.295		9048	7656
3.336		6535	8996
3.38		2063	1216
3.412		20788	14499
3.431		44791	26682
3.462		34931	21046
3.484		4186	2758
3.519		8059	7559
3.554		114428	68563
3.596		166517	189042
3.681		65964	47352
3.705		42286	23957
3.725		65754	50241
3.771		57518	48973
3.81		18829	14433
3.852		24920	18207
3.882		25526	14138
3.904		479833	322588
3.929		116301	66510
3.949		130795	75323
3.969		142062	87256
4.003		641616	456703

RT B	Compound B	Height B	Area B
4.035		306937	196660
4.053		89781	46183
4.074		55118	44416
4.114		68740	66476
4.149		174094	149671
4.205		272609	198716
4.247		98914	96125
4.266		856876	852701
4.304		198304	194914
4.357		1129442	954258
4.395		77254	70744
4.427		439189	309978
4.451		328356	234817
4.493		1514388	1241307
4.596		1044851	1015132
4.647		315187	280085
4.687		354477	313771
4.724		1781483	1511444
4.756		506187	338388
4.794		421942	334609
4.865		9267	11704
4.895		131149	181342
4.945		703610	551970
4.969		280208	197714
5.019		440884	409726
5.054		229761	186156
5.084		158405	129931
5.116		124833	76149
5.138		1911281	1561467
5.179		44130	32845
5.211		59158	48084
5.276		3760	2620
5.328		17396	10848
5.352		309074	266674
5.395		1349299	1362617
5.549		32476	29206
5.595		52289	50045
5.64		34810	24008
5.667		207824	176881
5.709		3966	4288
5.745		8991	5531
5.772		462043	402384
5.804		32108	23909
5.972		93287	83645
6.109		2071	1034
6.13	DCB	36889	30839
6.165		8353	8949
6.253		8554	23126
6.336		22020	21974
6.441		3267	4752
6.492		2638	3206
6.574		4587	7677
6.602		2208	2177
6.637		2925	2311
6.735		2815	16827
6.852		1974	2660
6.894		1844	2150
6.971		1475	852

9202628 ACF DF100 AC-103E T 172560011A 10225 SW-846 8082

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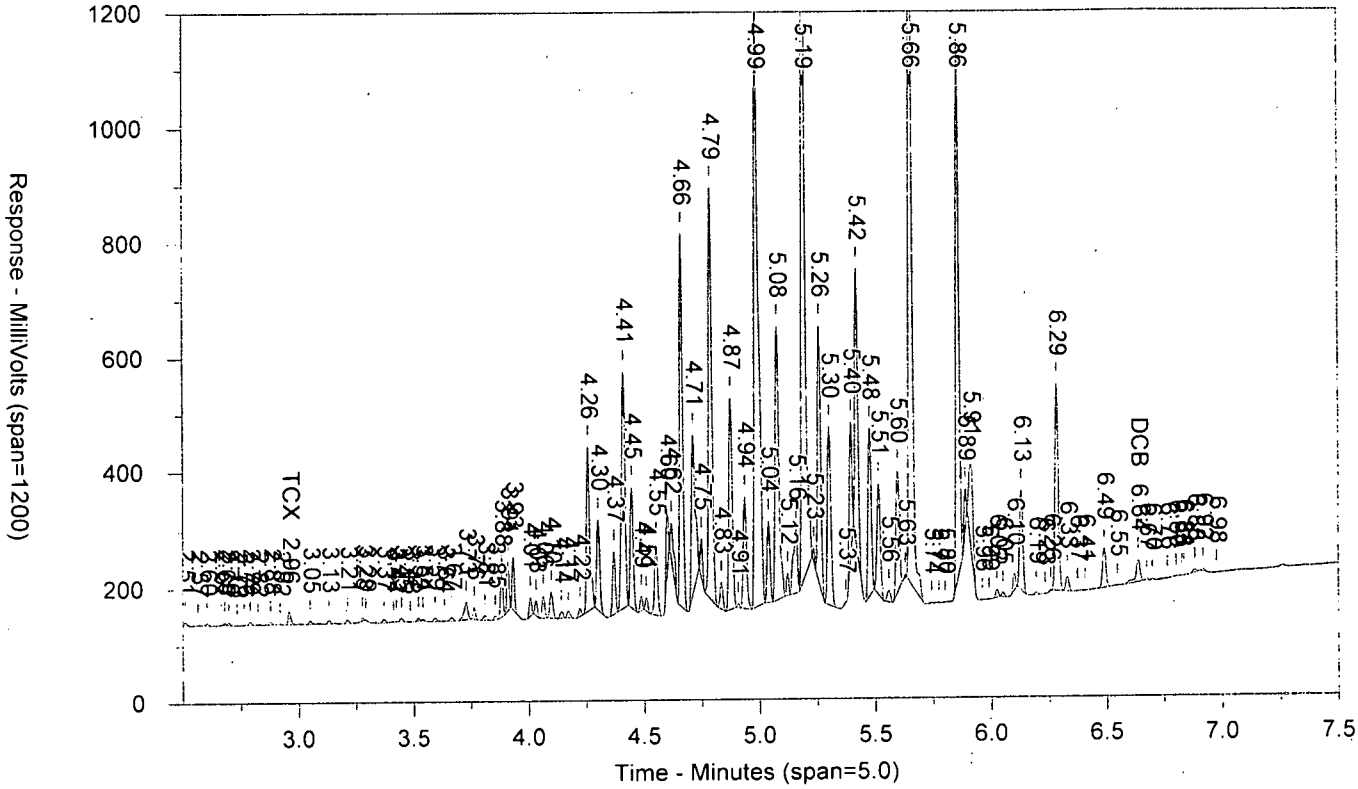

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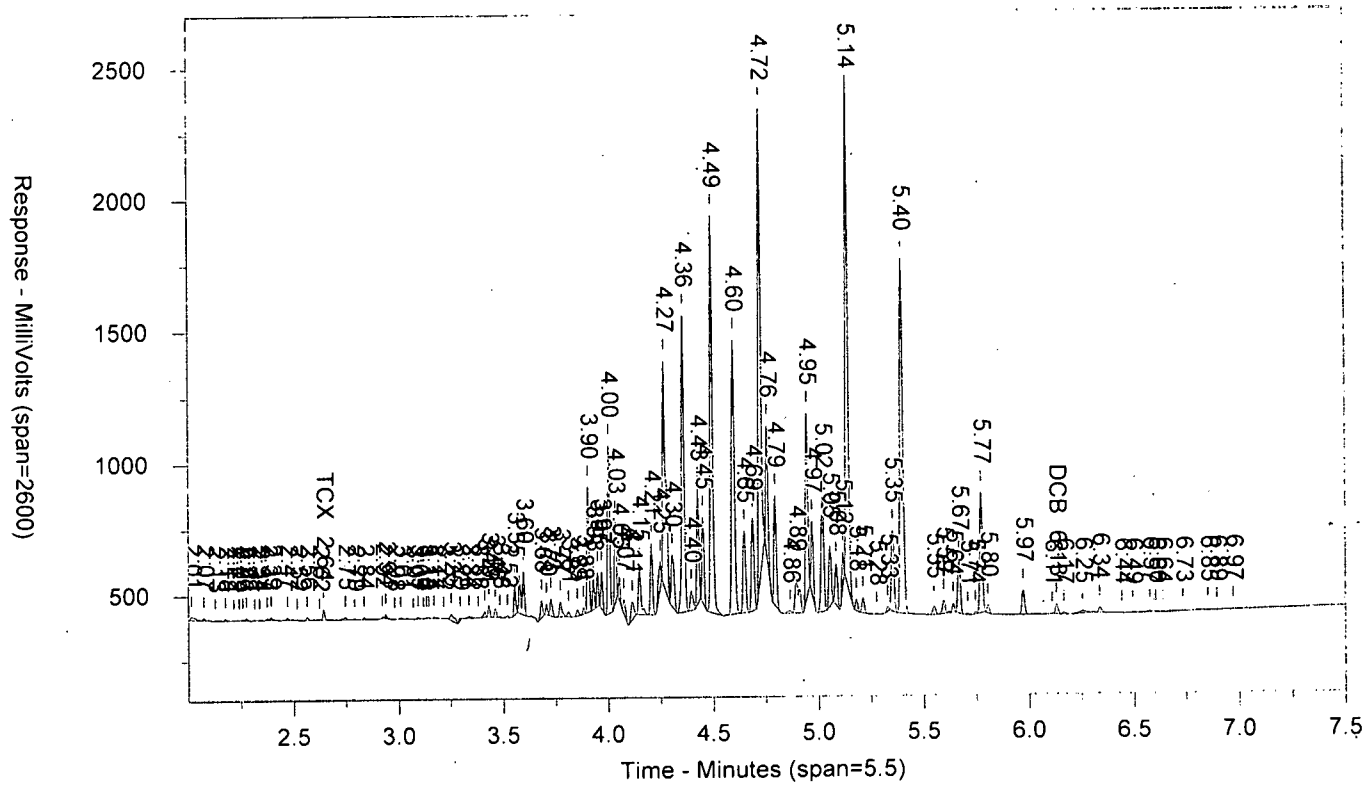

LANCASTER LABORATORIES

Sample Number: 9202628 ACF DF100 AC-103E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:15:09 AM Sample Weight: 10.32
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	23585	20.105	TCX	2.642	40943	22.195	TCX
6.636	38155	34.72	DCB	6.13	36889	23.673	DCB

Files:
Area File: 25PCBS17257004.093.RAW
Area File: 25PCBS17257004B.093.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:23:40 AM
File Reported On: 9/18/2017 at 11:23:54 AM

9202628 ACF DF100 AC-103E T 172560011A 10225 SW-846 8082

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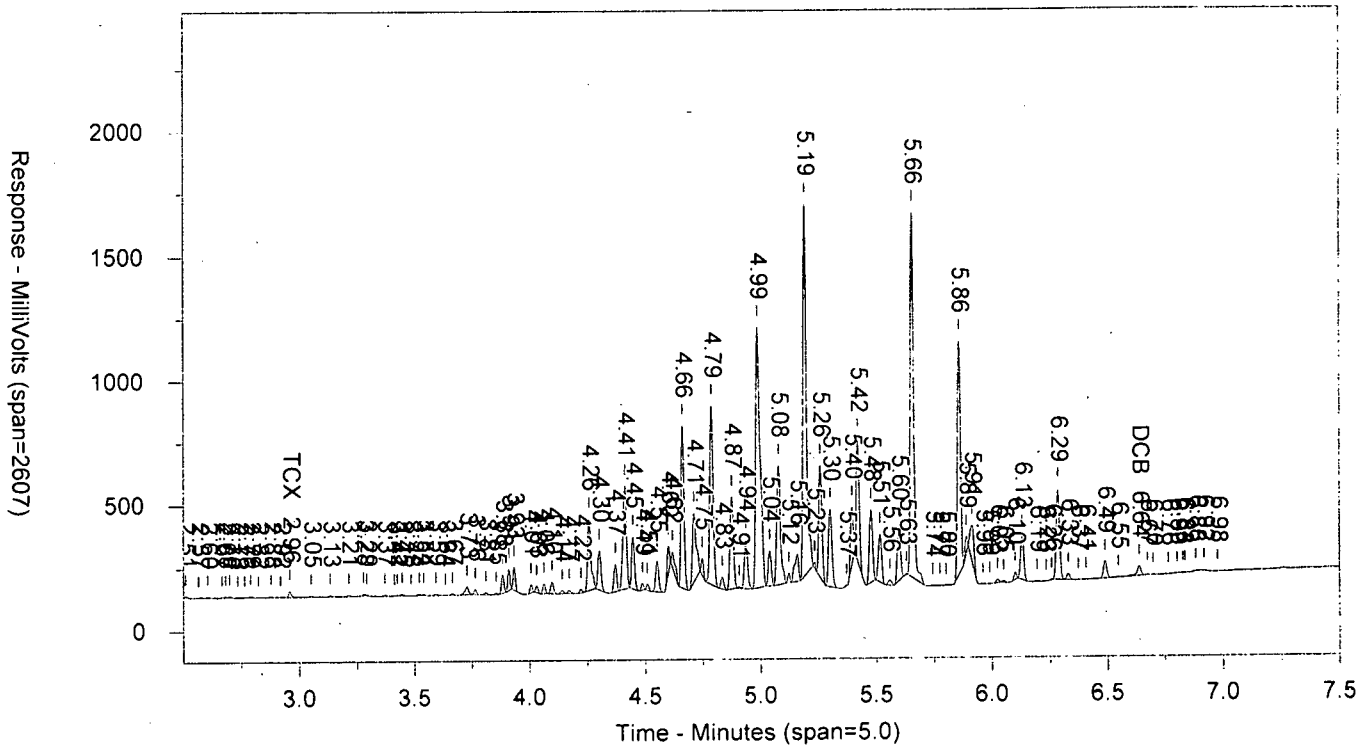

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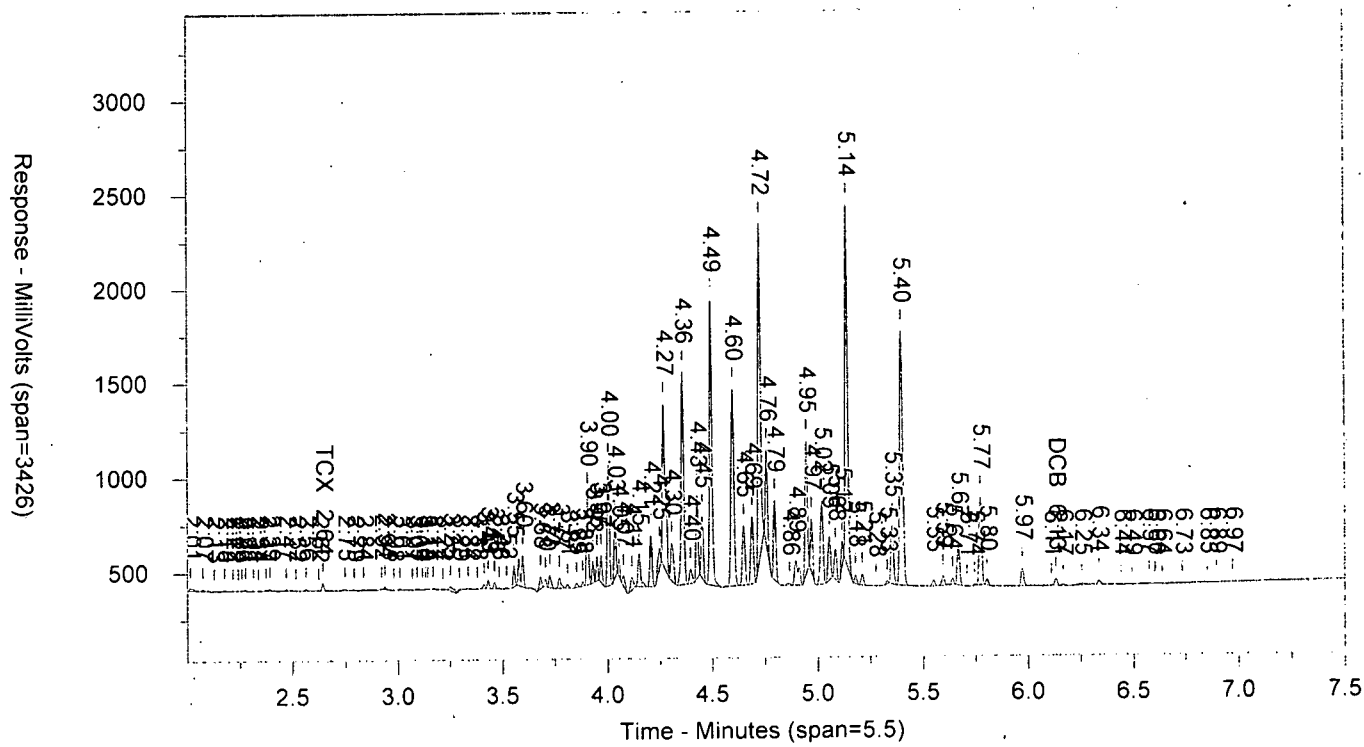

9202628 ACF DF100 AC-103E T 172560011A 10225 **SW-846 8082**

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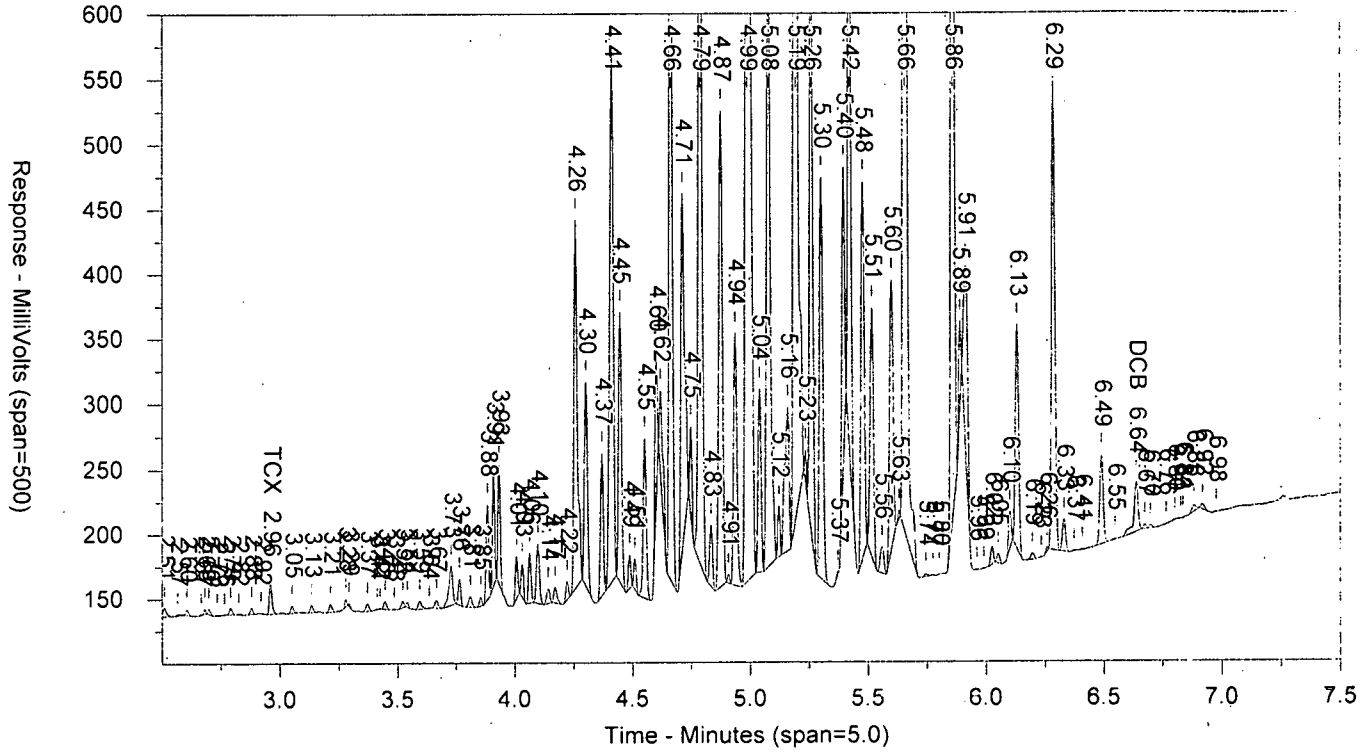

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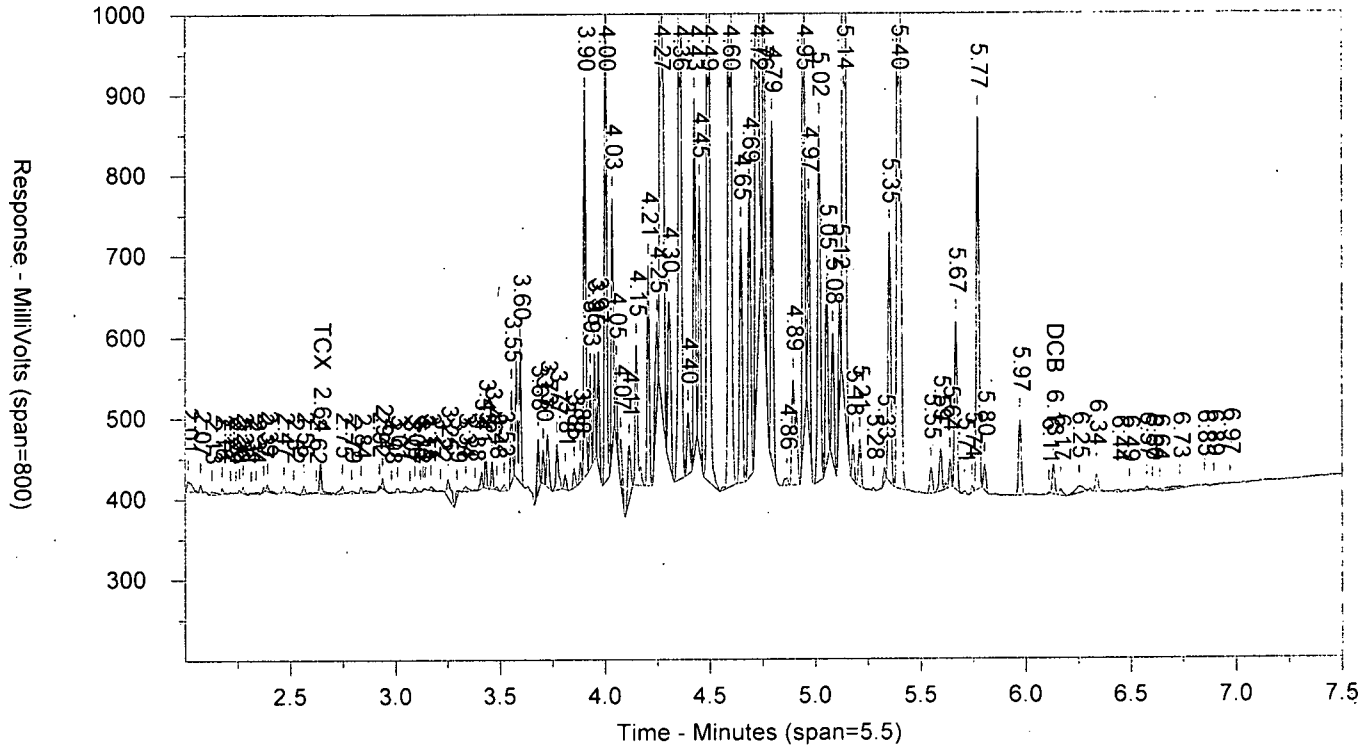

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Data Summary

Sample Name: 9202629 ACF DF10 -104W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.2 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 11:26:24
Instrument	18274A
Result file	25PCBS17257004.094.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) * 40% (61 - 152) Conc: 11.92772
%SSR(DCB) * 46% (48 - 164) Conc: 12.31495

Analysis Report (B)

Injected on	Sep 18, 2017 11:26:24
Instrument	18274B
Result file	25PCBS17257004B.094.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) * 41% (61 - 152) Conc: 12.16484
%SSR(DCB) * 47% (48 - 164) Conc: 12.41149

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	138292	11.92772
Decachlorobiphenyl	6.61	6.64	6.67	133762	12.31495

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	221792	12.16484
Decachlorobiphenyl	6.10	6.13	6.16	191158	12.41149

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	12.16484				1.97	
☑	Tetrachloro-m-xylene-D1	A	11.92772					
☑	Tetrachloro-m-xylene-D2	B	12.16484					
☐	Decachlorobiphenyl	B	12.41149				0.78	
☑	Decachlorobiphenyl-D1	A	12.31495					
☑	Decachlorobiphenyl-D2	B	12.41149					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**18.25**	
4.97	4.99	5.01	1231368	2072.181069			1
5.17	5.19	5.21	1719941	2341.655984			2
5.24	5.26	5.28	529518.6	1490.336237			3
5.40	5.42	5.44	573687.5	1527.351414			4
5.64	5.66	5.68	1811447	1736.427606			5
5.84	5.86	5.88	1102244	1714.149652			6

Height summation: **6968206.1**
Concentration CF: **1813.68366** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**20.87**	
4.47	4.49	4.51	1747216	2061.005585			1
4.58	4.60	4.62	1227817	1825.882733			2
4.71	4.72	4.75	2105268	2568.418864			3
4.93	4.95	4.97	802142.6	1425.892807			4
5.12	5.14	5.16	2285384	1727.45201			5
5.38	5.40	5.42	1558892	1695.748561			6

Height summation: **9726719.6**
Concentration CF: **1884.06676** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<500	<97.0588	D1		4	
☑	PCB-1221			<500	<150	D1		3	
☑	PCB-1232			<500	<120.5882	D1		4	
☑	PCB-1242			<500	<120.5882	D1		4	
☑	PCB-1248			<500	<97.0588	D1		4	
☑	PCB-1254			<500	<129.4118	D1		4	
☑	PCB-1260	B	1884.06676	500	114.7059	D2	3.81	4	

Units: ug/kg

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

Valerie L. Tomaglio
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:17

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202629** ACF DF10 -104W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.2 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:26:24
Instrument : CP25--18274A
Result file : 25PCBS17257004.094.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *40% (61-152) Conc.: 11.92772
%SSR(DCB) : *46% (48-164) Conc.: 12.31495

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**114.99**	
3.19	3.21	3.23	4705.477	24.86187			1
3.41	3.41	3.45	804.4221	4.226847			2
3.52	3.54	3.56	2876.785	12.020281			3
3.74	3.76	3.78	10622.26	35.43568			4
3.79	3.81	3.83	6505.225	24.771135			5
3.99	4.01	4.03	23578.83	121.261868			6
Height Summation:			**49092.9991**				
Amount Avg CF:			**37.09628**	Linear:			
Aroclor-1221					**2**	**38.77**	
3.14	3.16	3.18	897.0774	9.983481			2
3.19	3.21	3.23	4705.477	17.524966			3
Height Summation:			**5602.5544**				
Amount Avg CF:			**13.754224**	Linear:			
Aroclor-1232					**6**	**128.38**	
3.19	3.21	3.23	4705.477	20.958891			1
3.40	3.41	3.44	804.4221	9.244664			2
3.52	3.52	3.56	4267.097	38.192307			3
+ 3.52	3.54	3.56	2876.785	25.748432			3
3.73	3.76	3.77	10622.26	76.541121			4
3.79	3.81	3.83	6505.225	56.428618			5
3.99	4.01	4.03	23578.83	291.965415			6
Height Summation:			**50483.3111**				
Amount Avg CF:			**82.221836**	Linear:			
Aroclor-1242					**6**	**115.93**	
3.19	3.21	3.23	4705.477	17.659042			1
3.41	3.41	3.45	804.4221	3.127283			2
3.52	3.54	3.56	2876.785	8.81295			3
3.74	3.76	3.78	10622.26	25.610237			4
3.80	3.81	3.84	6505.225	17.968587			5
3.99	4.01	4.03	23578.83	88.906367			6
Height Summation:			**49092.9991**				
Amount Avg CF:			**27.014078**	Linear:			
Aroclor-1248					**6**	**144.21**	
3.74	3.76	3.78	10622.26	84.322038			1
3.80	3.81	3.84	6505.225	44.548443			2
3.86	3.88	3.90	57142.88	236.964181			3
3.99	4.01	4.03	23578.83	85.557073			4
4.08	4.10	4.12	35656.27	145.842618			5
4.26	4.26	4.30	278091.6	1112.510747			6
Height Summation:			**411597.065**				
Amount Avg CF:			**284.957517**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:26:24
Instrument : CP25--18274B
Result file : 25PCBS17257004B.094.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *41% (61-152) Conc.: 12.16484
%SSR(DCB) : *47% (48-164) Conc.: 12.41149

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**139.95**	
2.91	2.94	2.95	14469.41	48.076959			1
+ 3.11	3.12	3.15	1974.209	7.966405			2
3.11	3.13	3.15	2968.187	11.977343			2
3.23	3.25	3.27	15554.37	43.606249			3
3.43	3.43	3.47	23017.32	61.651224			4
+ 3.43	3.46	3.47	19088.59	51.128234			4
3.50	3.52	3.54	6643.034	16.627916			5
3.54	3.56	3.58	86355.09	318.47373			6
Height Summation:			**149007.411**				
Amount Avg CF:			**83.402237**	Linear:			
Aroclor-1221					**2**	**45.04**	
2.85	2.86	2.89	6847.003	66.528775			2
2.91	2.94	2.95	14469.41	34.390399			3
Height Summation:			**21316.413**				
Amount Avg CF:			**50.459587**	Linear:			
Aroclor-1232					**6**	**161.05**	
2.91	2.94	2.95	14469.41	41.36054			1
+ 3.11	3.12	3.15	1974.209	17.053978			2
3.11	3.13	3.15	2968.187	25.640343			2
3.23	3.25	3.27	15554.37	96.094256			3
3.43	3.43	3.47	23017.32	134.799014			4
+ 3.43	3.46	3.47	19088.59	111.790734			4
3.50	3.52	3.54	6643.034	37.525552			5
3.53	3.56	3.57	86355.09	819.643039			6
Height Summation:			**149007.411**				
Amount Avg CF:			**192.510457**	Linear:			
Aroclor-1242					**6**	**144.27**	
2.91	2.94	2.95	14469.41	35.281219			1
+ 3.11	3.12	3.15	1974.209	6.801271			2
3.11	3.13	3.15	2968.187	10.225587			2
3.23	3.25	3.27	15554.37	32.274576			3
3.43	3.43	3.47	23017.32	45.526808			4
+ 3.43	3.46	3.47	19088.59	37.756028			4
3.50	3.52	3.54	6643.034	12.573271			5
3.54	3.56	3.58	86355.09	254.905769			6
Height Summation:			**149007.411**				
Amount Avg CF:			**65.131205**	Linear:			
Aroclor-1248					**6**	**111.09**	
3.43	3.43	3.47	23017.32	153.714242			1
+ 3.43	3.46	3.47	19088.59	127.477402			1
3.50	3.52	3.54	6643.034	29.095678			2
3.54	3.56	3.58	86355.09	225.864395			3
3.66	3.68	3.70	45706.68	96.411383			4
3.75	3.77	3.79	50243.31	154.919379			5
3.89	3.91	3.93	444622.6	751.573708			6
Height Summation:			**656588.034**				
Amount Avg CF:			**235.263131**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202629** ACF DF10 -104W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.2 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:26:24
Instrument : CP25--18274A
Result file : 25PCBS17257004.094.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	61.65	
4.24	4.26	4.28	278091.6	1027.507078			1
4.39	4.41	4.43	448573.2	971.126435			2
4.65	4.66	4.68	775867.2	1206.129716			3
4.86	4.88	4.90	464596.4	990.393971			4
5.06	5.08	5.10	558232.2	1527.493922			5
5.17	5.19	5.21	1719941	3376.805502			6
Height Summation:			**4245301.6**				
Amount Avg CF:			**1516.576104**	Linear:			
Aroclor-1260					6	18.25	
4.97	4.99	5.01	1231368	2072.181069			1
5.17	5.19	5.21	1719941	2341.655984			2
5.24	5.26	5.28	529518.6	1490.336237			3
5.40	5.42	5.44	573687.5	1527.351414			4
5.64	5.66	5.68	1811447	1736.427606			5
5.84	5.86	5.88	1102244	1714.149652			6
Height Summation:			**6968206.1**				
Amount Avg CF:			**1813.683661**	Linear:			
Aroclor-1262					6	33.81	
5.25	5.26	5.29	529518.6	891.654921			1
5.41	5.42	5.45	573687.5	1093.069562			2
5.64	5.66	5.68	1811447	1372.364438			3
5.85	5.86	5.89	1102244	1388.602351			4
5.90	5.91	5.94	184842	473.631028			5
6.27	6.29	6.31	429881.2	900.391246			6
Height Summation:			**4631620.3**				
Amount Avg CF:			**1019.952258**	Linear:			
Aroclor-1268					6	95.02	
5.84	5.86	5.88	1102244	765.962262			1
5.90	5.91	5.94	184842	146.624541			2
6.03	6.05	6.07	11039.23	9.182338			3
+ 6.10	6.10	6.14	34279.88	108.792468			4
6.10	6.13	6.14	204516.6	649.064866			4
6.27	6.29	6.31	429881.2	814.300881			5
6.47	6.49	6.51	90599.98	22.593245			6
Height Summation:			**2023123.01**				
Amount Avg CF:			**401.288022**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:26:24
Instrument : CP25--18274B
Result file : 25PCBS17257004B.094.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	67.47	
4.25	4.27	4.29	1038238	1149.80357			1
4.34	4.36	4.38	1345890	3172.676579			2
4.41	4.43	4.45	565856.6	906.395835			3
4.48	4.49	4.51	1747216	4683.464215			4
4.63	4.65	4.67	402873.1	918.503755			5
4.71	4.72	4.75	2105268	3031.901266			6
Height Summation:			**7205341.7**				
Amount Avg CF:			**2310.457537**	Linear:			
Aroclor-1260					6	20.87	
4.47	4.49	4.51	1747216	2061.005585			1
4.58	4.60	4.62	1227817	1825.882733			2
4.71	4.72	4.75	2105268	2568.418864			3
4.93	4.95	4.97	802142.6	1425.892807			4
5.12	5.14	5.16	2285384	1727.45201			5
5.38	5.40	5.42	1558892	1695.748561			6
Height Summation:			**9726719.6**				
Amount Avg CF:			**1884.06676**	Linear:			
Aroclor-1262					6	32.91	
4.74	4.76	4.78	579036.4	702.884375			1
4.93	4.95	4.97	802142.6	975.803844			2
+ 4.93	4.97	4.97	346220.8	421.176469			2
5.12	5.14	5.16	2285384	1313.663724			3
5.34	5.35	5.38	376069.5	562.798605			4
5.38	5.40	5.42	1558892	1336.716383			5
5.76	5.77	5.80	560215.1	869.210927			6
Height Summation:			**6161739.6**				
Amount Avg CF:			**960.179643**	Linear:			
Aroclor-1268					5	108.80	
5.33	5.35	5.37	376069.5	193.197992			1
5.38	5.40	5.42	1558892	816.142062			2
5.53	5.55	5.57	41592.82	25.983054			3
5.75	5.77	5.79	560215.1	775.551452			5
5.95	5.97	5.99	122292.7	20.482436			6
Height Summation:			**2659062.12**				
Amount Avg CF:			**366.271399**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			500.0001	97.0588		** 76.86	4	40	
Aroclor-1221			500.0001	150		** 114.32	3	5	
Aroclor-1232			500.0001	120.5882		** 80.29	4	10	
Aroclor-1242			500.0001	120.5882		** 82.73	4	30	
Aroclor-1248			500.0001	97.0588		19.11	4	40	
Aroclor-1254			500.0001	129.4118		** 41.49	4	40	
Aroclor-1260			500.0001	114.7059		3.81	4	40	
Aroclor-1262			500.0001	97.0588		6.04	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202629 ACF DF10 -104W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.2 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 11:26:24
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.094.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 11:26:24
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.094.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			500.0001	97.0588		9.12	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:26:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1. 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.094.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.038		994	1406
2.076		5331	6283
2.103		5916	9709
2.165		4402	3682
2.234		11634	7620
2.257		1033	1291
2.309		2238	1784
2.359		5339	4376
2.396		861	557
2.41		1880	2566
2.483		608	471
2.512		4098	4919
2.571		1061	1340
2.604		1717	1300
2.641		423	227
2.666		2297	1268
2.682		7595	4164
2.733		752	656
2.763		742	469
2.791		2783	2668
2.836		1129	672
2.878		2447	1853
2.911		400	210
2.924		772	661
2.96	TCX	138292	93241
3.011		768	625
3.051		3394	3100
3.132		3554	2839
3.156		897	719
3.213		4705	4268
3.262		19245	11497
3.28		11606	7483
3.37		4168	3943
3.411		804	515
3.446		4692	3943
3.519		4267	3702
3.542		2877	1748
3.595		4436	4637
3.64		723	651
3.666		4676	4113
3.73		16160	21106
3.765		10622	7610
3.811		6505	6819
3.857		2897	2181
3.884		57143	43397
3.911		50062	32317
3.934		56486	39908
4.008		23579	16661
4.032		16692	12042
4.064		27934	21264
4.098		35656	32918
4.143		7465	6758
4.172		9348	9238
4.223		10682	7796

RT A	Compound A	Height A	Area A
4.259		278092	273264
4.302		128114	117554
4.371		114660	98813
4.413		448573	451916
4.448		201201	173783
4.488		27893	19665
4.51		22356	16272
4.552		125624	117834
4.602		122561	87474
4.619		60231	75016
4.664		775867	699058
4.713		310270	345665
4.75		76696	49563
4.789		832783	810896
4.835		56061	48144
4.877		464596	466913
4.909		9451	5454
4.937		229374	227897
4.988		1231368	1579518
5.04		155854	140676
5.078		558232	633469
5.122		51086	34274
5.159		126253	168146
5.193		1719941	1806937
5.234		29531	14723
5.26		529519	492851
5.303		371562	368736
5.397		273254	219340
5.421		573688	477936
5.478		343260	321687
5.515		210804	208579
5.559		23272	24116
5.597		256460	264661
5.629		12374	8158
5.656		1811447	1768655
5.742		1406	786
5.757		5418	4871
5.812		1526	2310
5.86		1102245	1025664
5.89		73321	45702
5.915		184842	196874
5.957		696	428
6.025		16141	13014
6.051		11039	9245
6.101		34280	26346
6.13		204517	195211
6.165		814	353
6.196		5525	5015
6.232		734	482
6.258		5298	3275
6.286		429881	427989
6.331		31967	31862
6.407		1326	2441
6.461		608	484
6.489		90600	100761
6.539		666	147
6.58		658	111
6.613		2253	3030
6.639	DCB	133762	138507
6.674		4990	3706
6.701		2273	1986
6.77		615	466
6.8		1717	1367
6.85		762	411
6.885		5461	6298
6.921		4833	7936

RT A	Compound A	Height A	Area A
6.97		1079	669

LANCASTER LABORATORIES

Sample Number: 9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:26:24 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.094.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		17164	31647
2.053		6898	3148
2.071		12471	12159
2.096		10687	7537
2.129		13873	26301
2.178		2543	1404
2.192		4204	3073
2.216		5400	3229
2.238		5026	3920
2.256		6732	3749
2.274		7583	10246
2.317		6384	6834
2.337		5577	4768
2.373		6064	2389
2.392		18904	11861
2.411		4480	10087
2.47		6585	3683
2.516		8735	9181
2.563		14424	14909
2.592		4679	2748
2.622		3612	2300
2.642	TCX	221792	144790
2.704		6742	2984
2.745		9086	17617
2.788		4655	9208
2.835		8551	5281
2.86		6847	8326
2.896		2646	1228
2.938		14469	6085
2.948		24364	10343
2.979		3849	2337
3.015		4872	9586
3.065		862	289
3.091		6461	7392
3.117		1974	557
3.134		2968	1428
3.156		332	82
3.17		4264	4062
3.218		2512	2825
3.252		15554	22968
3.292		7620	5126
3.311		1419	658
3.336		5469	7400
3.383		3353	2021
3.412		17512	12859
3.432		23017	13532
3.462		19089	11611
3.482		3714	2420
3.522		6643	6569
3.555		86355	52487
3.578		81906	44360
3.597		104188	59141
3.629		6053	9238
3.682		45707	31292

RT B	Compound B	Height B	Area B
3.706		28840	15352
3.726		46690	35748
3.772		50243	40035
3.811		12374	9066
3.853		16420	12846
3.883		19290	10346
3.905		444623	311669
3.93		104924	61463
3.95		98612	54467
3.969		151932	95879
4.004		668028	478177
4.036		332769	401435
4.115		60124	54237
4.149		177415	156231
4.206		309353	223804
4.248		108741	113144
4.267		1038238	996731
4.305		237464	222329
4.358		1345890	1070957
4.395		88666	81964
4.427		565857	389163
4.452		388059	276686
4.494		1747216	1425127
4.597		1227817	1184200
4.647		402873	345610
4.687		430348	373378
4.725		2105269	1797106
4.757		579036	385362
4.795		487488	381488
4.866		11696	16886
4.895		155423	209957
4.946		802143	633124
4.971		346221	253911
5.02		510704	476996
5.055		272624	214219
5.084		188636	152457
5.117		170795	103986
5.138		2285384	1864114
5.18		54426	38119
5.212		68334	58565
5.274		6870	5124
5.329		19106	11587
5.352		376070	319592
5.397		1558892	1608340
5.497		2681	3091
5.551		41593	37156
5.595		62591	61480
5.641		42122	28914
5.668		239081	205410
5.709		6403	5965
5.746		11964	7600
5.774		560215	484878
5.805		38026	29544
5.972		122293	117184
6.131	DCB	191158	178485
6.166		10210	8603
6.257		8443	17643
6.337		22642	19803
6.396		3301	2824
6.435		3179	3339
6.467		1586	1268
6.504		2724	2950
6.553		3104	1915
6.575		5810	3744
6.607		5580	5031
6.664		2187	1706

RT B	Compound B	Height B	Area B
6.757		1813	5970
6.808		2475	2553
6.978		871	5614

9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082

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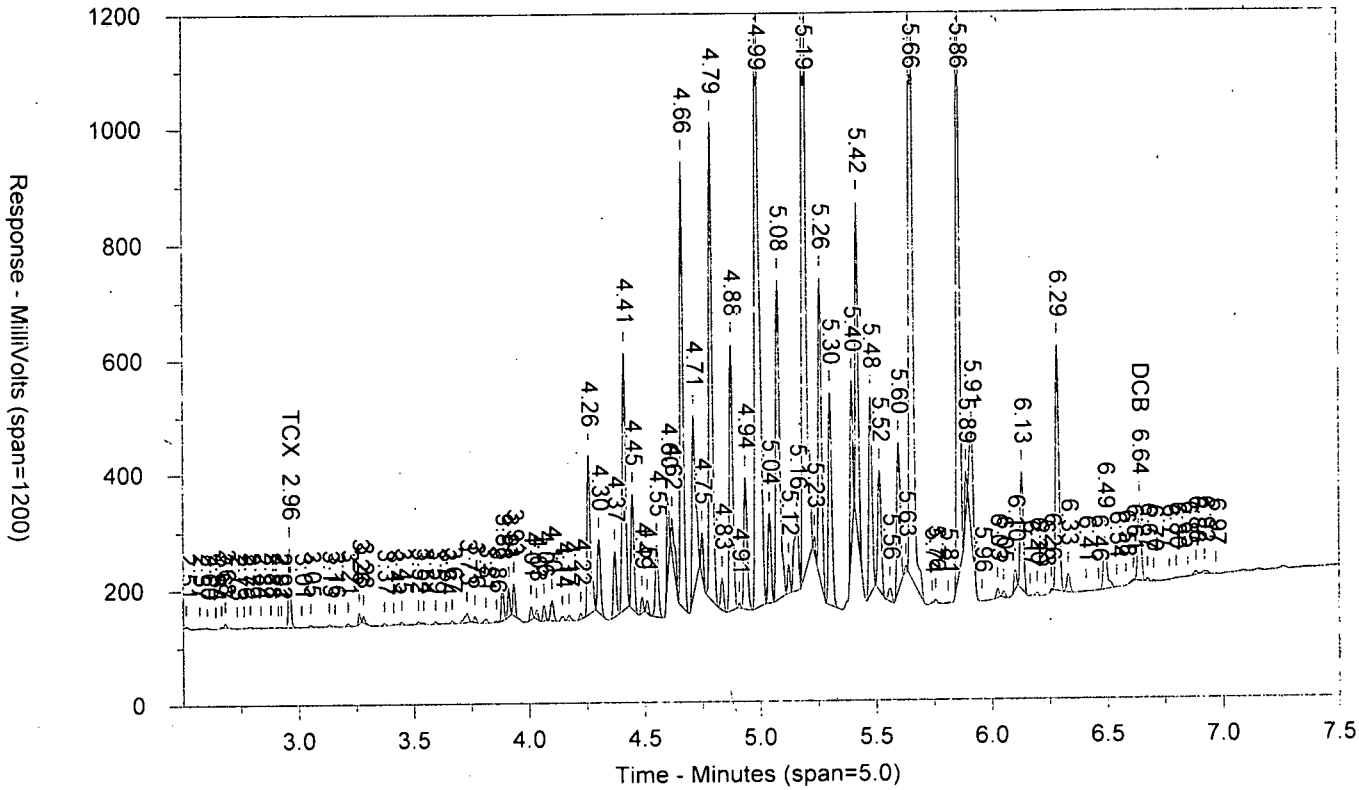

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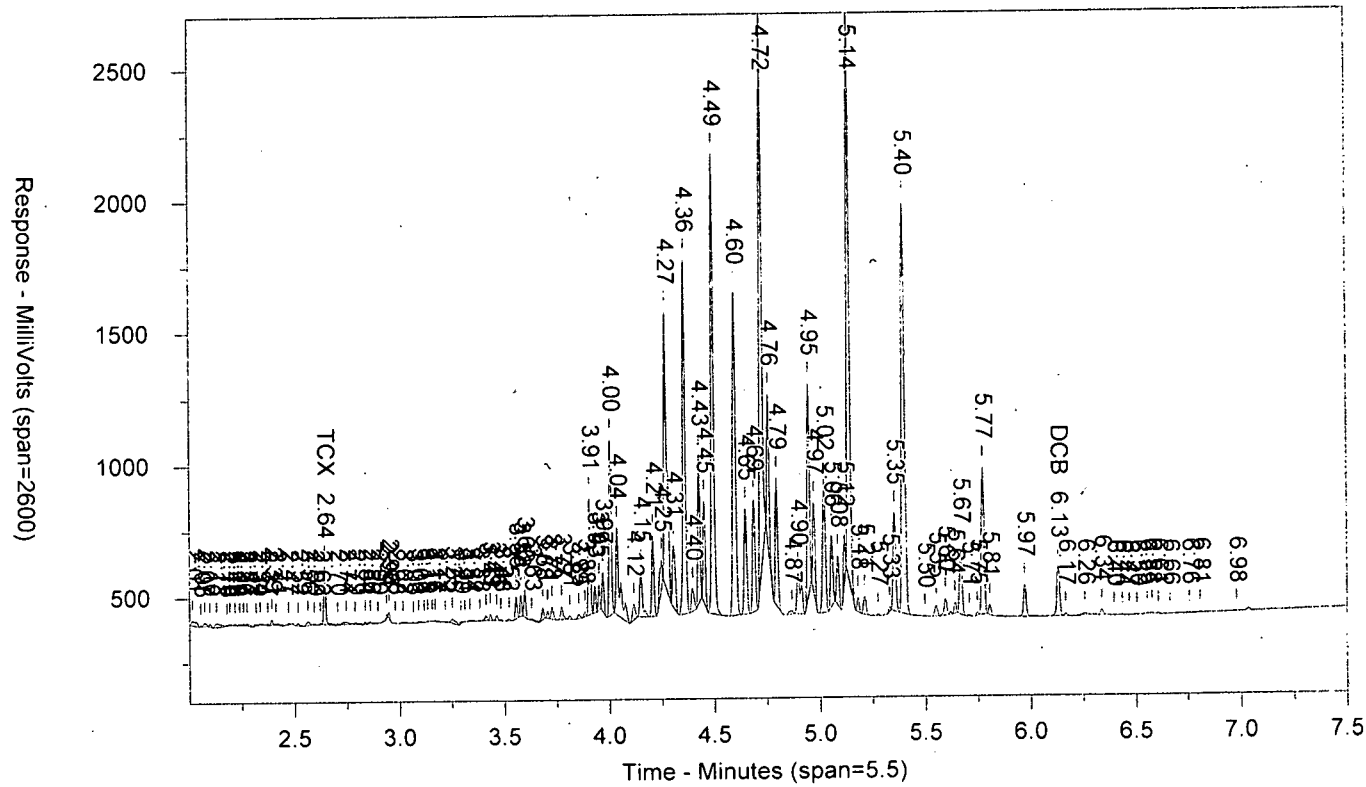

LANCASTER LABORATORIES

Sample Number: 9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:26:24 AM
Sample Weight: 10.2
Dilution Factor: 100
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	138292	11.928	TCX	2.642	221792	12.165	TCX
6.639	133762	12.315	DCB	6.131	191158	12.411	DCB

Files:
Area File: 25PCBS17257004.094.RAW
Area File: 25PCBS17257004B.094.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:34:57 AM
File Reported On: 9/18/2017 at 11:35:10 AM

9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082

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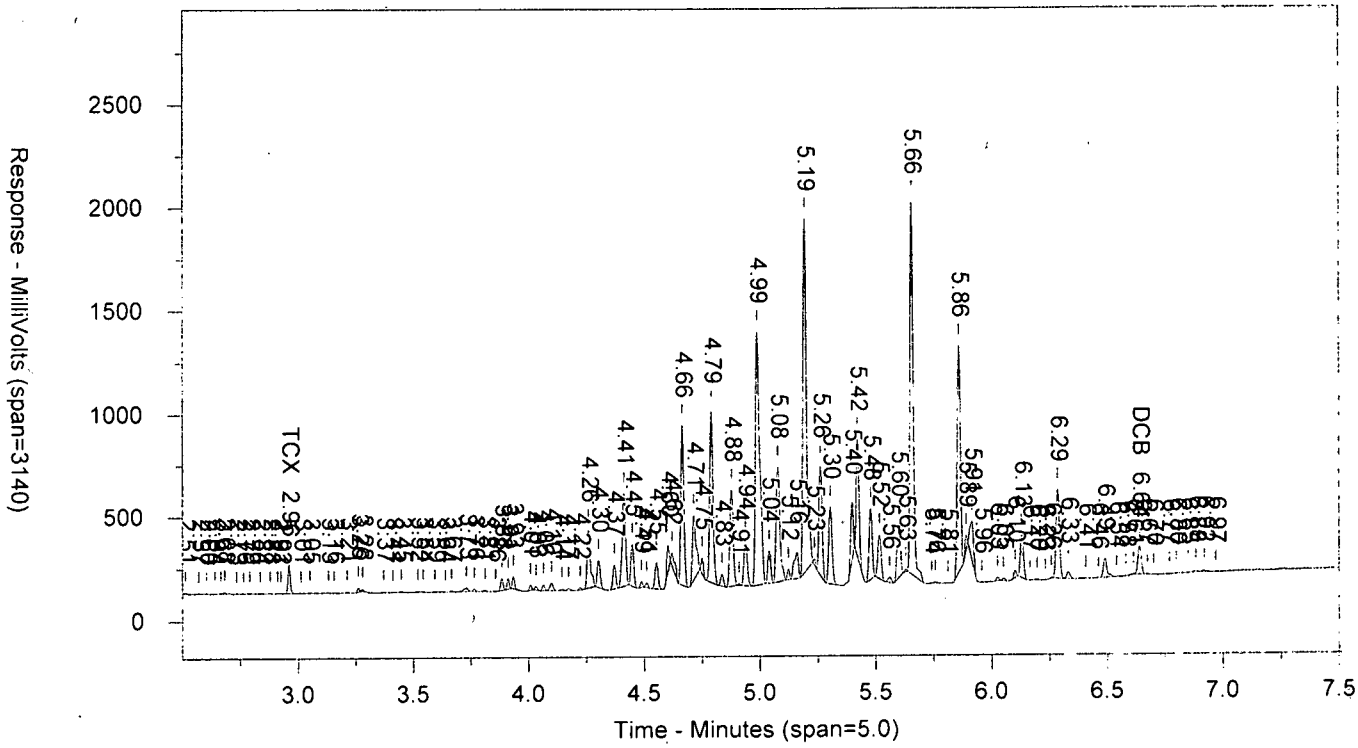

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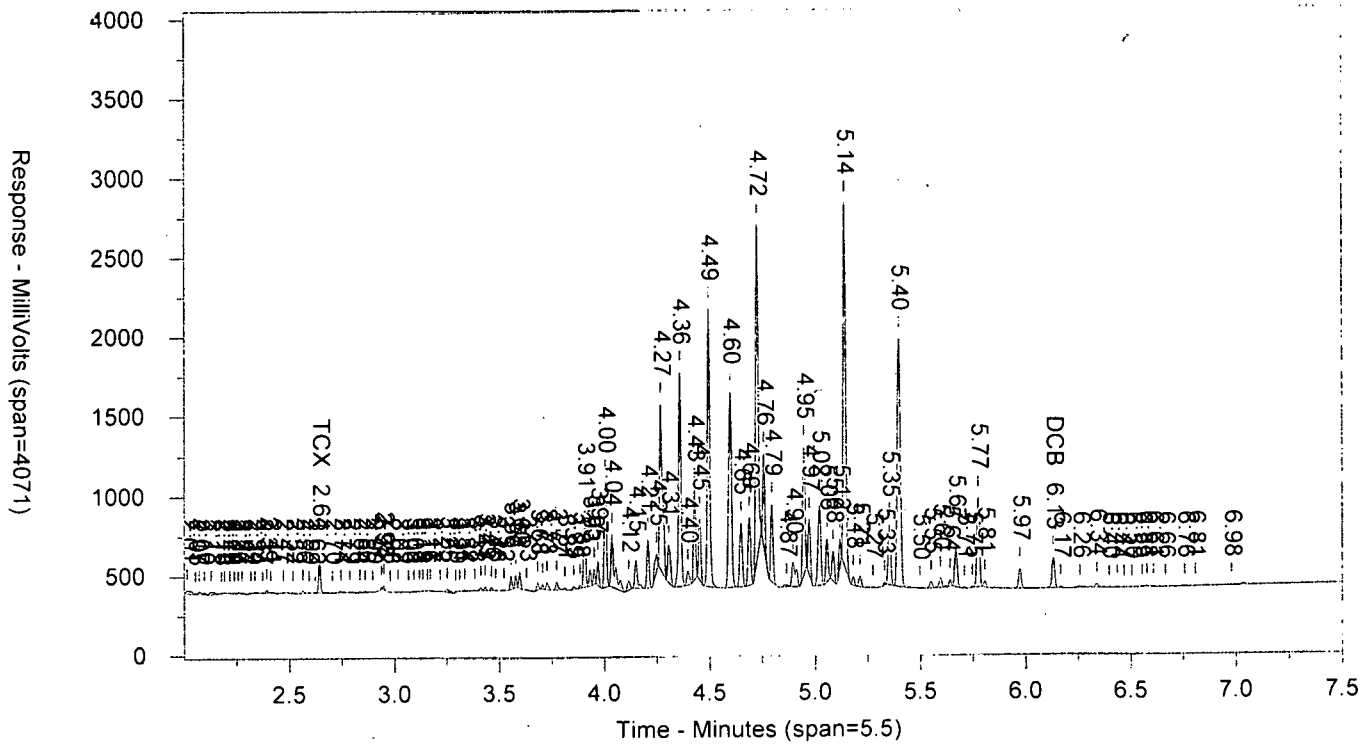

9202629 ACF DF10 AC-104W T 172560011A 10225 SW-846 8082

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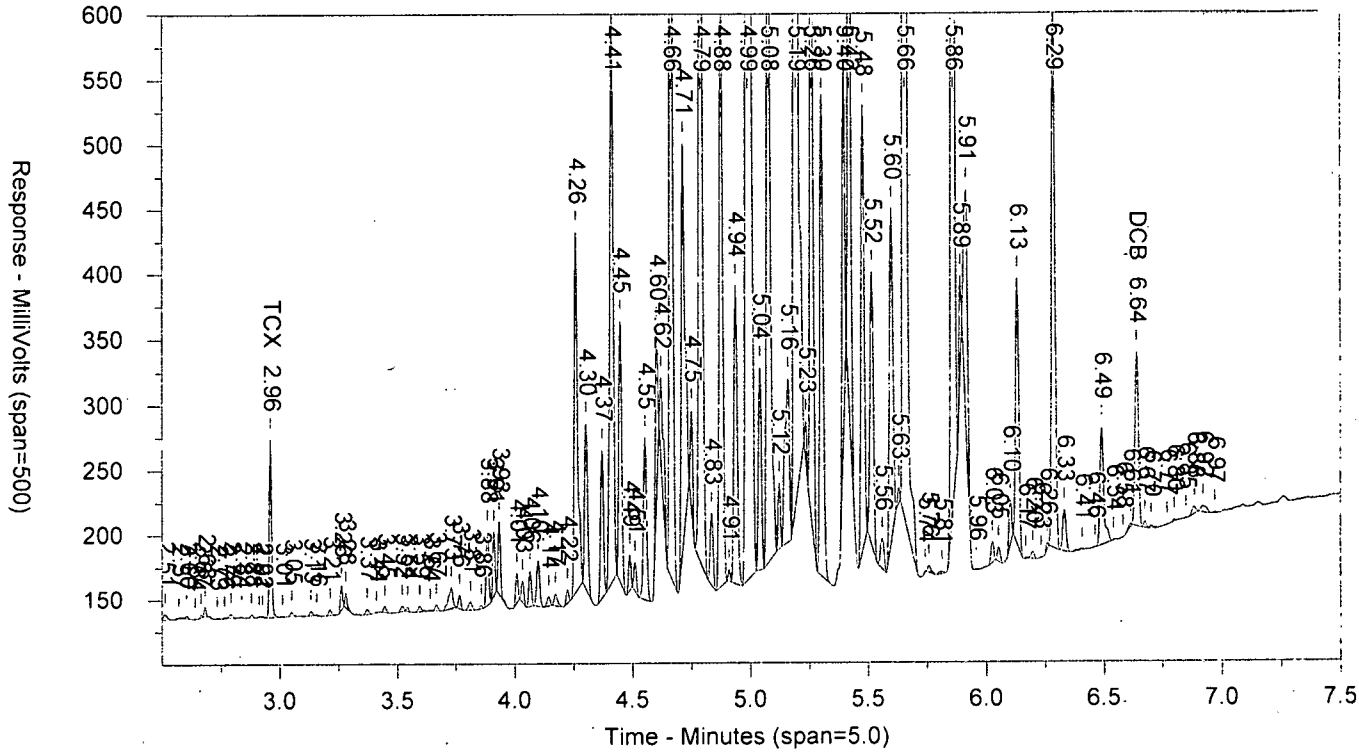

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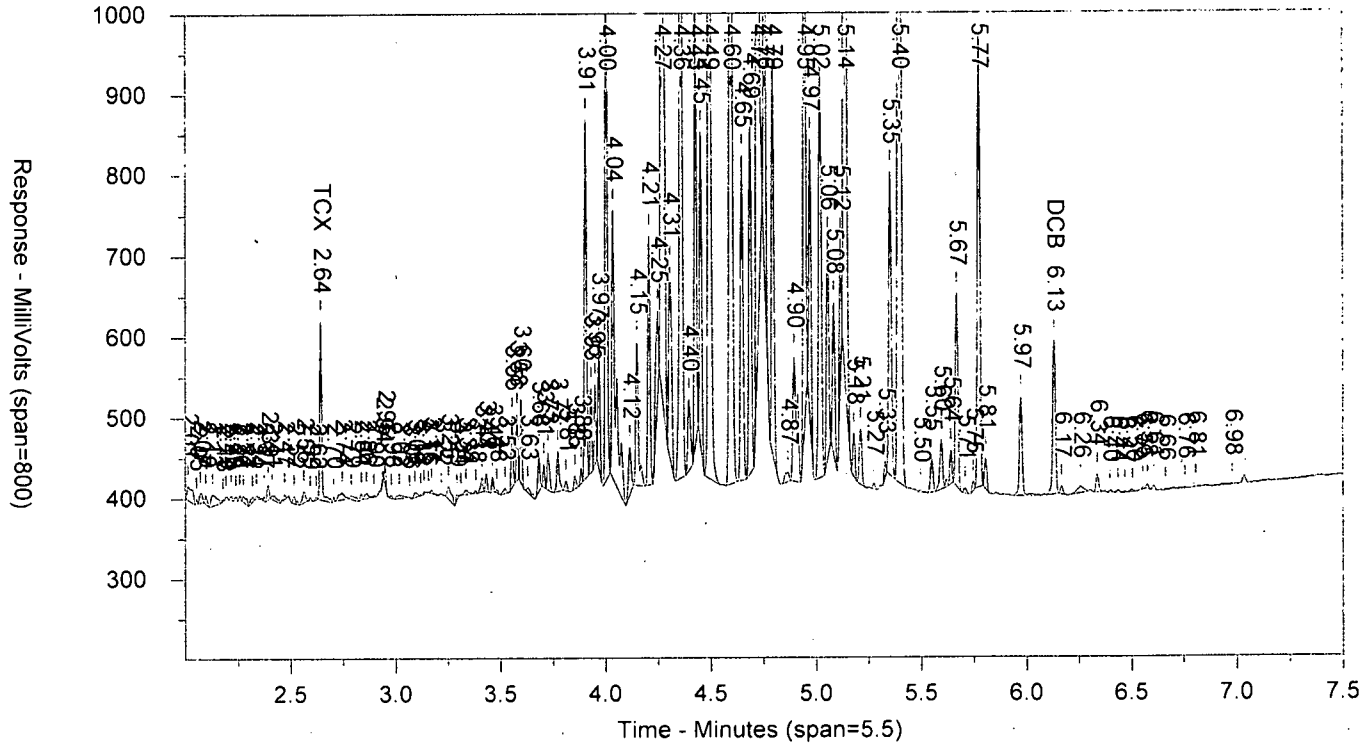

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Data Summary

Sample Name: 9202630 ACF DF50 -104E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 11:37:46
Instrument	18274A
Result file	25PCBS17257004.095.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 80% (61 - 152) Conc: 24.20987
%SSR(DCB) 125% (48 - 164) Conc: 33.44093

Analysis Report (B)

Injected on	Sep 18, 2017 11:37:46
Instrument	18274B
Result file	25PCBS17257004B.095.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 29.20935
%SSR(DCB) 117% (48 - 164) Conc: 31.24589

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	55863	24.20987
Decachlorobiphenyl	6.61	6.64	6.67	72289	33.44093

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	105988	29.20935
Decachlorobiphenyl	6.10	6.13	6.16	95776	31.24589

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	29.20935				18.72	
☑	Tetrachloro-m-xylene-D1	A	24.20987					
☑	Tetrachloro-m-xylene-D2	B	29.20935					
☐	Decachlorobiphenyl	A	33.44093				6.79	
☑	Decachlorobiphenyl-D1	A	33.44093					
☑	Decachlorobiphenyl-D2	B	31.24589					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**11.26**	
4.24	4.26	4.28	500079	9284.097718			1
4.39	4.41	4.43	754226.7	8204.43143			2
4.65	4.66	4.68	1317246	10289.10614			3
Height summation:			**2571551.7**				
Concentration		CF:	**9259.211763**	L:			
Aroclor-1260						**6.89**	
5.40	5.42	5.44	607689.2	8129.226722			4
5.64	5.66	5.68	1858555	8951.804756			5
5.84	5.86	5.88	1191573	9310.988264			6
Height summation:			**3657817.2**				
Concentration		CF:	**8797.339914**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**16.61**	
4.25	4.27	4.29	1841605	10247.722383			1
4.41	4.43	4.45	1074671	8649.5035			3
4.63	4.65	4.67	641293.1	7346.379626			5
Height summation:			**3557569.1**				
Concentration		CF:	**8747.868503**	L:			
Aroclor-1260						**10.11**	
4.93	4.95	4.97	871611.6	7785.06839			4
5.12	5.14	5.16	2368310	8994.758161			5
5.38	5.40	5.42	1740141	9511.171277			6
Height summation:			**4980062.6**				
Concentration		CF:	**8763.665943**	L:			

Valerie L. Tomaylo
Analytical Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:19

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Data Summary

Sample Name: 9202630 ACF DF50 -104E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 11:37:46
Instrument	18274A
Result file	25PCBS17257004.095.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 11:37:46
Instrument	18274B
Result file	25PCBS17257004B.095.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2512.3152	<487.6847	D1		4	
☑	PCB-1221			<2512.3152	<753.6946	D1		3	
☑	PCB-1232			<2512.3152	<605.9113	D1		4	
☑	PCB-1242			<2512.3152	<605.9113	D1		4	
☑	PCB-1248			<2512.3152	<487.6847	D1		4	
☑	PCB-1254	A	9259.211763	2512.3152	650.2463	D1	5.68	4	
☑	PCB-1260	A	8797.339914	2512.3152	576.3547	D1	0.38	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:19

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202630** ACF DF50 -104E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274A
Result file : 25PCBS17257004.095.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 80% (61-152) Conc.: 24.20987
%SSR(DCB) : 125% (48-164) Conc.: 33.44093

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**129.51**	
3.19	3.21	3.23	1640.05	43.540295			1
+ 3.41	3.43	3.45	1279.724	33.787262			2
3.41	3.44	3.45	2047.54	54.059133			2
3.52	3.54	3.56	16229.97	340.744667			3
3.74	3.77	3.78	30026.16	503.300979			4
3.79	3.81	3.83	9402.218	179.894559			5
3.99	4.01	4.03	61663	1593.421913			6
Height Summation:			**121008.938**				
Amount Avg CF:			**452.493591**	Linear:			
Aroclor-1221					**1**		
3.19	3.21	3.23	1640.05	30.691262			3
Height Summation:			**1640.05**				
Amount Avg CF:			**30.691262**	Linear:			
Aroclor-1232					**6**	**137.63**	
3.19	3.21	3.23	1640.05	36.705053			1
+ 3.40	3.43	3.44	1279.724	73.897134			2
3.40	3.44	3.44	2047.54	118.234351			2
3.52	3.54	3.56	16229.97	729.903134			3
3.73	3.77	3.77	30026.16	1087.130847			4
3.79	3.81	3.83	9402.218	409.799612			5
3.99	4.01	4.03	61663	3836.524203			6
Height Summation:			**121008.938**				
Amount Avg CF:			**1036.382867**	Linear:			
Aroclor-1242					**6**	**130.03**	
3.19	3.21	3.23	1640.05	30.926068			1
+ 3.41	3.43	3.45	1279.724	24.997905			2
3.41	3.44	3.45	2047.54	39.996288			2
3.52	3.54	3.56	16229.97	249.824909			3
3.74	3.77	3.78	30026.16	363.74799			4
3.80	3.81	3.84	9402.218	130.492654			5
3.99	4.01	4.03	61663	1168.259701			6
Height Summation:			**121008.938**				
Amount Avg CF:			**330.541268**	Linear:			
Aroclor-1248					**6**	**128.46**	
3.74	3.77	3.78	30026.16	1197.644968			1
3.80	3.81	3.84	9402.218	323.522628			2
3.86	3.88	3.90	117669.8	2451.826462			3
3.99	4.01	4.03	61663	1124.248848			4
4.08	4.10	4.12	84482.55	1736.279711			5
4.26	4.26	4.30	500079	10052.153122			6
Height Summation:			**803322.728**				
Amount Avg CF:			**2814.27929**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274B
Result file : 25PCBS17257004B.095.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 97% (61-152) Conc.: 29.20935
%SSR(DCB) : 117% (48-164) Conc.: 31.24589

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**130.58**	
2.91	2.94	2.95	29241.37	488.189026			1
+ 3.11	3.12	3.15	1203.388	24.399394			2
+ 3.11	3.13	3.15	2042.157	41.405926			2
3.11	3.14	3.15	2735.341	55.460636			2
3.23	3.25	3.27	39942.36	562.644608			3
3.43	3.43	3.47	73693.26	991.787996			4
+ 3.43	3.46	3.47	48933.55	658.563721			4
3.50	3.52	3.54	17302.05	217.607097			5
3.54	3.56	3.58	184289	3414.988305			6
Height Summation:			**347203.381**				
Amount Avg CF:			**955.112945**	Linear:			
Aroclor-1221					**2**	**48.37**	
2.85	2.86	2.89	3506.775	171.206812			2
2.91	2.94	2.95	29241.37	349.211262			3
Height Summation:			**32748.145**				
Amount Avg CF:			**260.209037**	Linear:			
Aroclor-1232					**6**	**150.11**	
2.91	2.94	2.95	29241.37	419.988332			1
+ 3.11	3.12	3.15	1203.388	52.23269			2
+ 3.11	3.13	3.15	2042.157	88.639203			2
3.11	3.14	3.15	2735.341	118.726643			2
3.23	3.25	3.27	39942.36	1239.889144			3
3.43	3.43	3.47	73693.26	2168.522147			4
+ 3.43	3.46	3.47	48933.55	1439.934764			4
3.50	3.52	3.54	17302.05	491.091381			5
3.53	3.56	3.57	184289	8789.018146			6
Height Summation:			**347203.381**				
Amount Avg CF:			**2204.539299**	Linear:			
Aroclor-1242					**6**	**135.23**	
2.91	2.94	2.95	29241.37	358.256936			1
+ 3.11	3.12	3.15	1203.388	20.83084			2
+ 3.11	3.13	3.15	2042.157	35.350067			2
3.11	3.14	3.15	2735.341	47.349194			2
3.23	3.25	3.27	39942.36	416.433809			3
3.43	3.43	3.47	73693.26	732.393285			4
+ 3.43	3.46	3.47	48933.55	486.321319			4
3.50	3.52	3.54	17302.05	164.54455			5
3.54	3.56	3.58	184289	2733.350153			6
Height Summation:			**347203.381**				
Amount Avg CF:			**742.054655**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202630** ACF DF50 -104E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274A
Result file : 25PCBS17257004.095.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	46.76	
4.24	4.26	4.28	500079	9284.097718			1
4.39	4.41	4.43	754226.7	8204.43143			2
4.65	4.66	4.68	1317246	10289.10614			3
4.86	4.88	4.90	869024.4	9308.254565			4
5.06	5.08	5.10	734623.8	10100.287483			5
5.17	5.19	5.21	2295499	22645.073738			6
Height Summation:			**6470698.9**				
Amount Avg CF:			**11638.541846**	Linear:			
Aroclor-1260					6	29.86	
4.97	4.99	5.01	1486711	12571.020284			1
5.17	5.19	5.21	2295499	15703.294844			2
5.24	5.26	5.28	548452.5	7756.149935			3
5.40	5.42	5.44	607689.2	8129.226722			4
5.64	5.66	5.68	1858555	8951.804756			5
5.84	5.86	5.88	1191573	9310.988264			6
Height Summation:			**7988479.7**				
Amount Avg CF:			**10403.747467**	Linear:			
Aroclor-1262					6	35.92	
5.25	5.26	5.29	548452.5	4640.435551			1
5.41	5.42	5.45	607689.2	5817.790333			2
5.64	5.66	5.68	1858555	7074.950008			3
5.85	5.86	5.89	1191573	7542.667106			4
5.90	5.92	5.94	176531.2	2272.82027			5
6.27	6.29	6.31	446199.9	4695.873766			6
Height Summation:			**4829000.8**				
Amount Avg CF:			**5340.756172**	Linear:			
Aroclor-1268					6	96.04	
5.84	5.86	5.88	1191573	4160.585176			1
5.90	5.92	5.94	176531.2	703.609369			2
6.03	6.05	6.07	10041.63	41.968443			3
+ 6.10	6.10	6.14	39847.96	635.432998			4
6.10	6.13	6.14	235101.8	3749.036127			4
6.27	6.29	6.31	446199.9	4246.880635			5
6.47	6.49	6.51	87758.84	109.96273			6
Height Summation:			**2147206.37**				
Amount Avg CF:			**2168.673747**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274B
Result file : 25PCBS17257004B.095.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	92.85	
3.43	3.43	3.47	73693.26	2472.812886			1
+ 3.43	3.46	3.47	48933.55	1641.988874			1
3.50	3.52	3.54	17302.05	380.770863			2
3.54	3.56	3.58	184289	2421.940002			3
3.66	3.68	3.70	101872	1079.71119			4
3.75	3.77	3.79	119552.4	1852.208781			5
3.89	3.91	3.93	835413.4	7095.542669			6
Height Summation:			**1332122.11**				
Amount Avg CF:			**2550.497732**	Linear:			
Aroclor-1254					6	53.23	
4.25	4.27	4.29	1841605	10247.722383			1
4.34	4.36	4.38	1713718	20298.30288			2
4.41	4.43	4.45	1074671	8649.5035			3
4.48	4.49	4.51	2127438	28653.762334			4
4.63	4.65	4.67	641293.1	7346.379626			5
4.71	4.72	4.75	2789228	20183.469154			6
Height Summation:			**10187953.1**				
Amount Avg CF:			**15896.523313**	Linear:			
Aroclor-1260					6	29.96	
4.47	4.49	4.51	2127438	12609.376623			1
4.58	4.60	4.62	1487583	11115.386794			2
4.71	4.72	4.75	2789228	17098.051146			3
4.93	4.95	4.97	871611.6	7785.06839			4
5.12	5.14	5.16	2368310	8994.758161			5
5.38	5.40	5.42	1740141	9511.171277			6
Height Summation:			**11384311.6**				
Amount Avg CF:			**11185.635398**	Linear:			
Aroclor-1262					6	36.44	
4.74	4.76	4.78	559383.8	3411.866597			1
4.93	4.95	4.97	871611.6	5327.679351			2
+ 4.93	4.97	4.97	505125	3087.549583			2
5.12	5.14	5.16	2368310	6840.182789			3
5.34	5.35	5.38	376834.6	2833.608229			4
5.38	5.40	5.42	1740141	7497.419582			5
5.76	5.77	5.80	583511.2	4549.081284			6
Height Summation:			**6499792.2**				
Amount Avg CF:			**5076.639639**	Linear:			
Aroclor-1268					5	109.47	
5.33	5.35	5.37	376834.6	972.723486			1
5.38	5.40	5.42	1740141	4577.604906			2
5.53	5.55	5.57	60690.48	190.50068			3
5.75	5.77	5.79	583511.2	4058.90732			5
5.95	5.97	5.99	123464	103.902392			6
Height Summation:			**2884641.28**				
Amount Avg CF:			**1980.727757**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2512.3155	487.6848		** 71.41	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202630 ACF DF50 -104E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.15 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274A
Result file : 25PCBS17257004.095.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 11:37:46
Instrument : CP25--18274B
Result file : 25PCBS17257004B.095.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1221			2512.3155	753.6946		** 157.80	3	5	
Aroclor-1232			2512.3155	605.9114		** 72.09	4	10	
Aroclor-1242			2512.3155	605.9114		** 76.73	4	30	
Aroclor-1248			2512.3155	487.6848		9.83	4	40	
Aroclor-1254			2512.3155	650.2464		30.93	4	40	
Aroclor-1260			2512.3155	576.3547		7.24	4	40	
Aroclor-1262			2512.3155	487.6848		5.07	4	40	
Aroclor-1268			2512.3155	487.6848		9.06	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:37:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.095.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.035		1077	1204
2.076		4419	5303
2.102		4791	7943
2.165		2715	2757
2.233		10870	7060
2.309		992	661
2.358		1479	1466
2.397		967	759
2.46		420	333
2.482		478	329
2.512		2377	3438
2.571		1792	4118
2.665		1672	1008
2.682		6522	4095
2.736		815	1217
2.766		461	264
2.784		806	678
2.834		886	1242
2.908		581	471
2.922		619	287
2.959	TCX	55863	38574
3.011		679	532
3.061		658	395
3.132		583	1420
3.211		1640	1795
3.237		351	261
3.263		2068	1196
3.279		12717	7548
3.426		1280	1149
3.442		2048	1196
3.479		1085	536
3.516		1016	870
3.542		16230	11451
3.611		1257	1073
3.65		577	346
3.666		1115	577
3.73		53172	64357
3.766		30026	23145
3.814		9402	6923
3.856		15530	11559
3.885		117670	89579
3.911		140804	97487
3.934		164952	122265
3.985		513	268
4.008		61663	42996
4.033		64492	46517
4.064		103225	79429
4.099		84483	74204
4.143		18341	18685
4.172		11448	11688
4.223		27499	21782
4.259		500079	492922
4.302		342051	311677
4.371		192271	167731

RT A	Compound A	Height A	Area A
4.413		754227	788605
4.448		400234	351713
4.489		55828	39811
4.511		54197	39415
4.553		230451	220411
4.603		223653	167263
4.62		35078	15501
4.632		40352	25315
4.664		1317246	1194076
4.714		348262	390714
4.749		96696	66915
4.79		1030473	1014405
4.836		113025	99972
4.876		869024	838405
4.908		12502	7445
4.937		285193	281055
4.989		1486711	1978020
5.041		160651	143400
5.077		734624	829795
5.122		85540	60204
5.159		163813	210548
5.193		2295499	2304395
5.234		44274	22908
5.26		548453	495607
5.302		395991	397532
5.374		3019	2804
5.398		386339	301425
5.421		607689	494423
5.478		368047	345102
5.516		245640	241910
5.558		25551	26456
5.597		305939	324513
5.63		27438	20193
5.656		1858555	1809897
5.743		4286	4817
5.775		2090	1456
5.819		1837	3036
5.86		1191573	1108691
5.89		92247	59986
5.916		176531	197287
5.958		1275	1212
5.992		437	268
6.026		30827	26336
6.053		10042	7291
6.102		39848	29835
6.131		235102	226483
6.196		11785	11834
6.235		1495	1241
6.258		11117	7637
6.286		446200	429094
6.331		30351	29809
6.404		1124	2502
6.49		87759	92818
6.547		734	585
6.607		4104	4896
6.638	DCB	72289	76034
6.674		9273	7464
6.698		2331	2336
6.806		1165	1922
6.886		9871	11974
6.92		3864	4800
6.974		1301	984

LANCASTER LABORATORIES

Sample Number: 9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:37:46 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.095.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		13173	22393
2.052		4181	1835
2.07		6556	6367
2.095		6771	4947
2.134		8087	16248
2.193		4200	4313
2.215		3248	2091
2.238		4103	2921
2.257		4887	2737
2.289		4366	2427
2.319		3822	4515
2.334		4689	7311
2.391		13906	8822
2.417		4272	6670
2.457		2715	1949
2.47		3073	1585
2.516		4721	3234
2.563		7009	9035
2.592		2509	1829
2.621		2244	1144
2.641	TCX	105988	63752
2.669		8743	11892
2.702		5011	2265
2.728		7217	13518
2.786		3805	7657
2.834		4004	2617
2.862		3507	4354
2.893		1954	1108
2.936		29241	29706
2.978		3063	2108
3.016		1930	1067
3.039		1838	1833
3.07		1117	261
3.095		1922	1429
3.116		1203	440
3.133		2042	1010
3.143		2735	1398
3.159		358	93
3.183		483	186
3.223		2669	3690
3.252		39942	47907
3.296		7812	8153
3.34		5353	6904
3.381		2473	1427
3.412		53893	34114
3.432		73693	44337
3.462		48934	33126
3.52		17302	14994
3.555		184289	114057
3.578		221779	122436
3.597		281849	164547
3.682		101872	67362
3.706		97543	53751
3.726		160080	110483

RT B	Compound B	Height B	Area B
3.772		119552	91999
3.812		33858	27168
3.853		34941	27474
3.883		62351	36581
3.905		835413	558146
3.931		337751	202776
3.969		268187	299730
4.004		1150531	797133
4.036		675232	820138
4.115		127333	107304
4.15		361069	285398
4.206		505938	378035
4.248		140054	164639
4.267		1841605	1583866
4.305		293654	270881
4.359		1713718	1388774
4.395		164332	144666
4.428		1074671	748985
4.452		474291	329162
4.495		2127438	1766347
4.559		3548	2542
4.597		1487583	1448048
4.648		641293	539049
4.688		528193	460487
4.725		2789228	2376005
4.757		559384	370573
4.796		494260	400841
4.857		19913	26285
4.895		159989	249491
4.946		871612	662203
4.97		505125	378233
5.02		604705	524830
5.056		293907	236917
5.084		205822	162159
5.117		266118	170479
5.139		2368310	1900192
5.181		53549	37944
5.212		72675	61943
5.275		7590	5848
5.33		17830	10685
5.353		376835	326376
5.397		1740141	1738639
5.499		2553	1694
5.55		60690	51805
5.596		69607	67974
5.642		77854	57448
5.669		255622	209154
5.708		9261	8337
5.747		19890	13369
5.774		583511	488001
5.805		40135	29813
5.855		3983	3125
5.972		123464	106625
6.131	DCB	95776	89851
6.167		15996	14835
6.261		8752	21462
6.307		2589	1762
6.336		28360	26803
6.443		3546	4870
6.471		1810	1557
6.498		3222	3480
6.53		1396	699
6.576		10569	11691
6.7		2246	5496
6.737		1961	2134
6.85		1435	3049

RT B	Compound B	Height B	Area B
6.933		1607	3210

9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082

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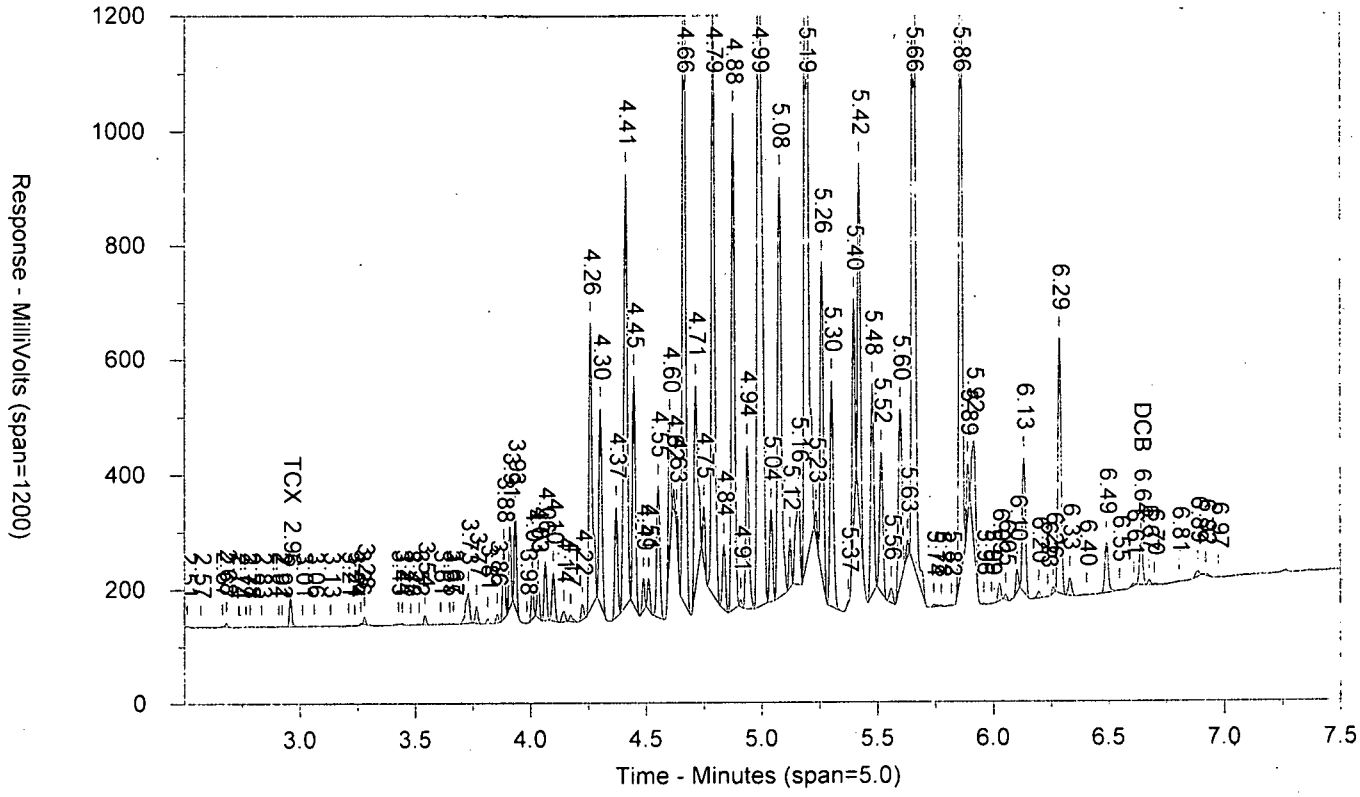

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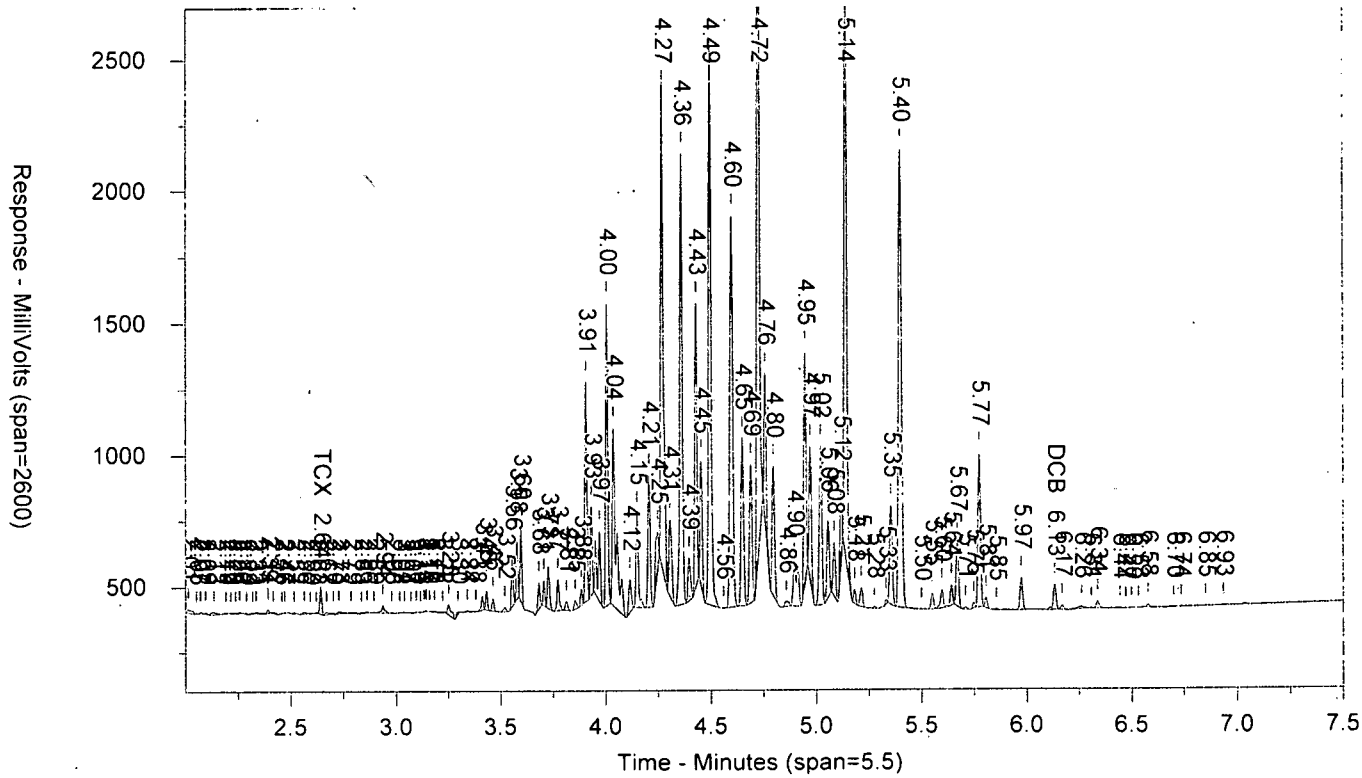

LANCASTER LABORATORIES

Sample Number: 9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 11:37:46 AM Sample Weight: 10.15
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	55863	24.21	TCX	2.641	105988	29.209	TCX
6.638	72289	33.441	DCB	6.131	95776	31.246	DCB

Files:
Area File: 25PCBS17257004.095.RAW
Area File: 25PCBS17257004B.095.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:46:17 AM
File Reported On: 9/18/2017 at 11:46:43 AM

9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082

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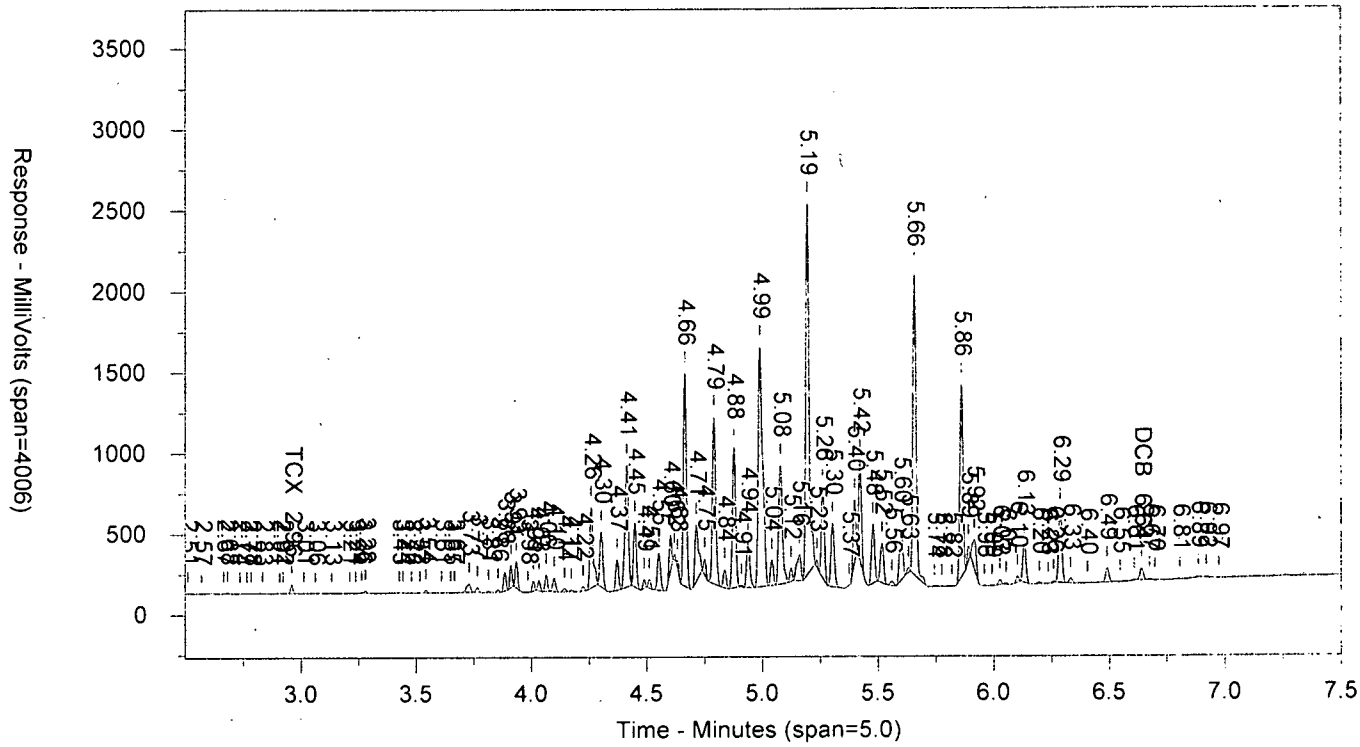

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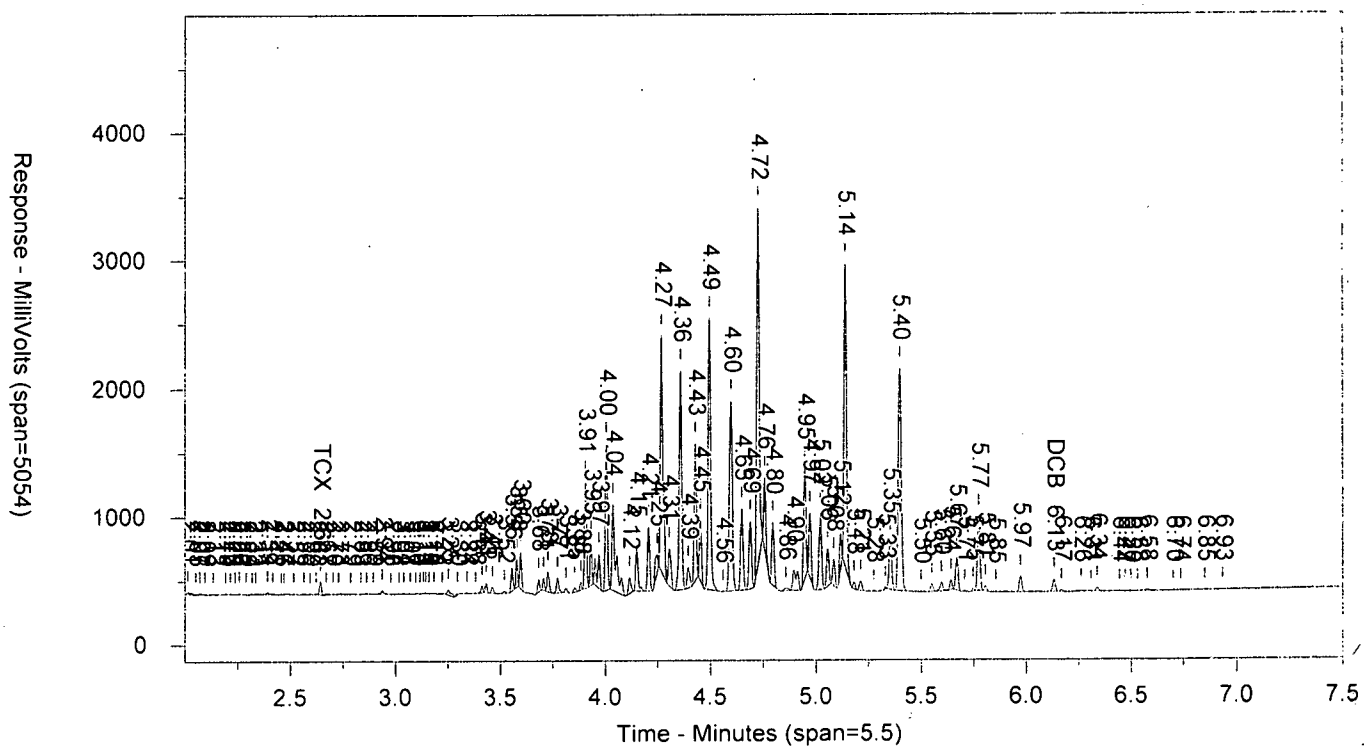

9202630 ACF DF50 AC-104E T 172560011A 10225 SW-846 8082

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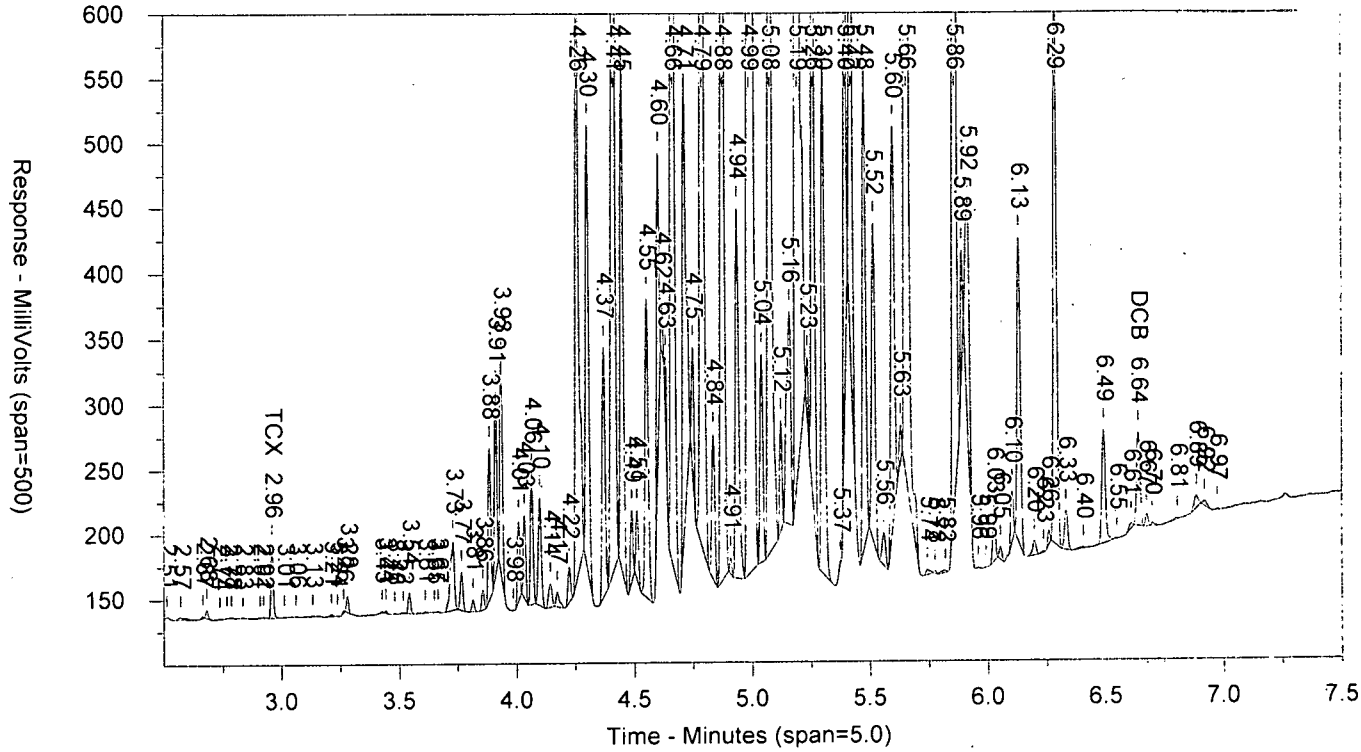

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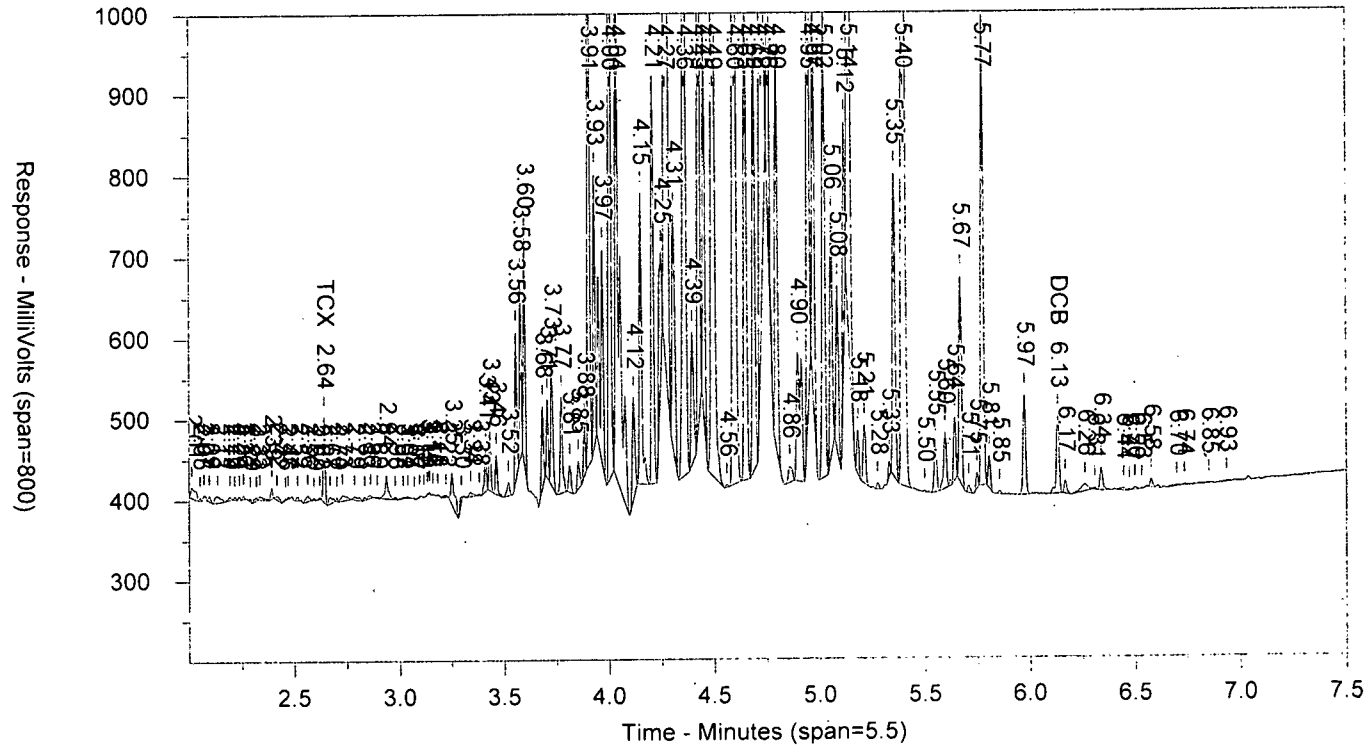

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Data Summary

Sample Name: 9202631 ACF DF100 -113E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.35 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:12:01
Instrument	18274A
Result file	25PCBS17257004.098.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 83% (61 - 152) Conc: 24.49394
%SSR(DCB) 116% (48 - 164) Conc: 30.31438

Analysis Report (B)

Injected on	Sep 18, 2017 12:12:01
Instrument	18274B
Result file	25PCBS17257004B.098.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 31.54676
%SSR(DCB) 133% (48 - 164) Conc: 34.92876

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	28816	24.49394
Decachlorobiphenyl	6.61	6.64	6.67	33411	30.31438

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	58363	31.54676
Decachlorobiphenyl	6.10	6.13	6.16	54587	34.92876

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	31.54676				25.17	
☑	Tetrachloro-m-xylene-D1	A	24.49394					
☑	Tetrachloro-m-xylene-D2	B	31.54676					
☐	Decachlorobiphenyl	B	34.92876				14.15	
☑	Decachlorobiphenyl-D1	A	30.31438					
☑	Decachlorobiphenyl-D2	B	34.92876					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**6.06**	
4.97	4.99	5.01	1127214	18694.163408			1
5.17	5.19	5.21	1377279	18479.545724			2
5.24	5.26	5.28	613837.1	17026.132035			3
5.40	5.42	5.44	617483.6	16201.261565			4
5.64	5.66	5.68	1993632	18833.70952			5
5.84	5.86	5.88	1125196	17244.833002			6

Height summation: **6854641.7**
Concentration CF: **17746.607542** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**11.51**	
4.47	4.50	4.51	1663645	19339.847783			1
4.58	4.60	4.62	1055057	15462.331667			2
4.71	4.73	4.75	1678628	20182.397091			3
4.93	4.95	4.97	882526.6	15460.478207			4
5.12	5.14	5.16	2595128	19331.493776			5
5.38	5.40	5.42	1742772	18682.966055			6

Height summation: **9617756.6**
Concentration CF: **18076.585763** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<4927.5362	<956.5217	D1		4	
☑	PCB-1221			<4927.5362	<1478.2609	D1		3	
☑	PCB-1232			<4927.5362	<1188.4058	D1		4	
☑	PCB-1242			<4927.5362	<1188.4058	D1		4	
☑	PCB-1248			<4927.5362	<956.5217	D1		4	
☑	PCB-1254			<4927.5362	<1275.3623	D1		4	
☑	PCB-1260	B	18076.585763	4927.5362	1130.4348	D2	1.84	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:22

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202631 ACF DF100 -113E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.35 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274A
Result file : 25PCBS17257004.098.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 83% (61-152) Conc.: 24.49394
%SSR(DCB) : 116% (48-164) Conc.: 30.31438

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**129.34**	
3.19	3.21	3.23	1164.839	60.6535			1
+ 3.41	3.42	3.45	2148.082	111.235453			2
3.41	3.44	3.45	2789.761	144.463912			2
3.52	3.54	3.56	14688.08	604.828249			3
3.74	3.77	3.78	85616.2	2814.748634			4
3.79	3.81	3.83	4363.792	163.759854			5
3.99	4.01	4.03	21877.75	1108.828752			6
Height Summation:			**130500.422**				
Amount Avg CF:			**816.213817**	Linear:			
Aroclor-1221					**2**	**22.82**	
+ 3.09	3.10	3.13	464.7664	47.234864			1
3.09	3.13	3.13	582.542	59.204564			1
3.19	3.21	3.23	1164.839	42.754246			3
Height Summation:			**1747.381**				
Amount Avg CF:			**50.979405**	Linear:			
Aroclor-1232					**6**	**128.37**	
3.19	3.21	3.23	1164.839	51.131715			1
+ 3.40	3.42	3.44	2148.082	243.286395			2
3.40	3.44	3.44	2789.761	315.961353			2
3.52	3.54	3.56	14688.08	1295.591914			3
3.73	3.77	3.77	85616.2	6079.861143			4
3.79	3.81	3.83	4363.792	373.044771			5
3.99	4.01	4.03	21877.75	2669.756397			6
Height Summation:			**130500.422**				
Amount Avg CF:			**1797.557882**	Linear:			
Aroclor-1242					**6**	**128.63**	
3.19	3.21	3.23	1164.839	43.08134			1
+ 3.41	3.42	3.45	2148.082	82.298864			2
3.41	3.44	3.45	2789.761	106.883331			2
3.52	3.54	3.56	14688.08	443.443954			3
3.74	3.77	3.78	85616.2	2034.28803			4
3.80	3.81	3.84	4363.792	118.788795			5
3.99	4.01	4.03	21877.75	812.967323			6
Height Summation:			**130500.422**				
Amount Avg CF:			**593.242129**	Linear:			
Aroclor-1248					**6**	**103.51**	
3.74	3.77	3.78	85616.2	6697.91969			1
3.80	3.81	3.84	4363.792	294.505951			2
3.86	3.88	3.90	44878.66	1834.088475			3
3.99	4.01	4.03	21877.75	782.341097			4
4.08	4.10	4.12	47057.06	1896.850724			5
4.26	4.26	4.30	223837.4	8824.880206			6
Height Summation:			**427630.862**				
Amount Avg CF:			**3388.431024**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274B
Result file : 25PCBS17257004B.098.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 31.54676
%SSR(DCB) : 133% (48-164) Conc.: 34.92876

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**98.41**	
2.91	2.94	2.95	25612.7	838.689773			1
+ 3.11	3.12	3.15	1380.288	54.8907			2
+ 3.11	3.13	3.15	2528.178	100.539497			2
3.11	3.14	3.15	2823.532	112.285008			2
3.23	3.25	3.27	33462.69	924.521421			3
+ 3.43	3.43	3.47	79957.01	2110.587259			4
3.43	3.46	3.47	132553.8	3498.95977			4
3.50	3.51	3.54	12543.02	309.409252			5
3.54	3.56	3.58	71321.56	2592.187006			6
Height Summation:			**278317.302**				
Amount Avg CF:			**1379.342038**	Linear:			
Aroclor-1221					**2**	**31.97**	
2.85	2.86	2.89	3955.038	378.721088			2
2.91	2.94	2.95	25612.7	599.931376			3
Height Summation:			**29567.738**				
Amount Avg CF:			**489.326232**	Linear:			
Aroclor-1232					**6**	**109.57**	
2.91	2.94	2.95	25612.7	721.523631			1
+ 3.11	3.12	3.15	1380.288	117.50656			2
+ 3.11	3.13	3.15	2528.178	215.228634			2
3.11	3.14	3.15	2823.532	240.372686			2
3.23	3.25	3.27	33462.69	2037.350143			3
+ 3.43	3.43	3.47	79957.01	4614.751571			4
3.43	3.46	3.47	132553.8	7650.396842			4
3.50	3.51	3.54	12543.02	698.268663			5
3.53	3.56	3.57	71321.56	6671.407512			6
Height Summation:			**278317.302**				
Amount Avg CF:			**3003.219913**	Linear:			
Aroclor-1242					**6**	**98.25**	
2.91	2.94	2.95	25612.7	615.471493			1
+ 3.11	3.12	3.15	1380.288	46.862614			2
+ 3.11	3.13	3.15	2528.178	85.835007			2
3.11	3.14	3.15	2823.532	95.862669			2
3.23	3.25	3.27	33462.69	684.272045			3
+ 3.43	3.43	3.47	79957.01	1558.578992			4
3.43	3.46	3.47	132553.8	2583.833087			4
3.50	3.51	3.54	12543.02	233.961148			5
3.54	3.56	3.58	71321.56	2074.781556			6
Height Summation:			**278317.302**				
Amount Avg CF:			**1048.030333**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202631** ACF DF100 -113E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.35 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274A
Result file : 25PCBS17257004.098.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	77.42	
4.24	4.26	4.28	223837.4	8150.59711			1
4.39	4.41	4.43	349106.2	7448.3459			2
4.65	4.66	4.68	340184.8	5211.723319			3
4.86	4.88	4.90	225047.3	4727.872722			4
5.06	5.08	5.10	426971.3	11513.917486			5
5.17	5.19	5.21	1377279	26648.590612			6
Height Summation:			**2942426**				
Amount Avg CF:			**10616.841191**	Linear:			
Aroclor-1260					6	6.06	
4.97	4.99	5.01	1127214	18694.163408			1
5.17	5.19	5.21	1377279	18479.545724			2
5.24	5.26	5.28	613837.1	17026.132035			3
5.40	5.42	5.44	617483.6	16201.261565			4
5.64	5.66	5.68	1993632	18833.70952			5
5.84	5.86	5.88	1125196	17244.833002			6
Height Summation:			**6854641.7**				
Amount Avg CF:			**17746.607542**	Linear:			
Aroclor-1262					6	29.31	
5.25	5.26	5.29	613837.1	10186.583428			1
5.41	5.42	5.45	617483.6	11594.65053			2
5.64	5.66	5.68	1993632	14884.993244			3
5.85	5.86	5.89	1125196	13969.734571			4
5.90	5.92	5.94	228713.7	5775.525271			5
6.27	6.29	6.31	492058.2	10156.851593			6
Height Summation:			**5070920.6**				
Amount Avg CF:			**11094.723106**	Linear:			
Aroclor-1268					6	94.53	
5.84	5.86	5.88	1125196	7705.798194			1
5.90	5.92	5.94	228713.7	1787.960863			2
6.03	6.05	6.07	11341.45	92.970018			3
+ 6.10	6.10	6.14	35631.48	1114.431094			4
6.10	6.13	6.14	207761.2	6498.061307			4
6.27	6.29	6.31	492058.2	9185.71037			5
6.47	6.49	6.51	97733.84	240.190204			6
Height Summation:			**2162804.39**				
Amount Avg CF:			**4251.781826**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274B
Result file : 25PCBS17257004B.098.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	95.56	
+ 3.43	3.43	3.47	79957.01	5262.30141			1
3.43	3.46	3.47	132553.8	8723.913621			1
3.50	3.51	3.54	12543.02	541.407101			2
3.54	3.56	3.58	71321.56	1838.402021			3
3.66	3.68	3.70	41563.35	864.010465			4
3.75	3.77	3.79	81474.5	2475.762793			5
3.89	3.91	3.93	364998.3	6080.379817			6
Height Summation:			**704454.53**				
Amount Avg CF:			**3420.64597**	Linear:			
Aroclor-1254					6	89.39	
+ 4.25	4.25	4.29	118410	1292.334491			1
4.25	4.28	4.29	488143.9	5327.634479			1
4.34	4.36	4.38	1189210	27627.056177			2
4.41	4.43	4.45	238306.2	3761.895079			3
4.48	4.50	4.51	1663645	43948.199701			4
4.63	4.65	4.67	223878	5030.184404			5
4.71	4.73	4.75	1678628	23824.398796			6
Height Summation:			**5481811.1**				
Amount Avg CF:			**18253.228106**	Linear:			
Aroclor-1260					6	11.51	
4.47	4.50	4.51	1663645	19339.847783			1
4.58	4.60	4.62	1055057	15462.331667			2
4.71	4.73	4.75	1678628	20182.397091			3
4.93	4.95	4.97	882526.6	15460.478207			4
5.12	5.14	5.16	2595128	19331.493776			5
5.38	5.40	5.42	1742772	18682.966055			6
Height Summation:			**9617756.6**				
Amount Avg CF:			**18076.585763**	Linear:			
Aroclor-1262					6	30.68	
4.74	4.76	4.78	710700.2	8502.0623			1
4.93	4.95	4.97	882526.6	10580.314311			2
+ 4.93	4.97	4.97	161562.4	1936.917225			2
5.12	5.14	5.16	2595128	14700.89008			3
5.34	5.35	5.38	436388.1	6436.023492			4
5.38	5.40	5.42	1742772	14727.317117			5
5.76	5.77	5.80	664667.4	10163.295831			6
Height Summation:			**7032182.3**				
Amount Avg CF:			**10851.650522**	Linear:			
Aroclor-1268					6	124.80	
5.33	5.35	5.37	436388.1	2209.363716			1
5.38	5.40	5.42	1742772	8991.87225			2
5.53	5.55	5.57	27770.44	170.967833			3
5.60	5.62	5.64	12283.74	289.786968			4
5.75	5.77	5.79	664667.4	9068.177346			5
5.95	5.97	5.99	134691.1	222.320643			6
Height Summation:			**3018572.78**				
Amount Avg CF:			**3492.081459**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202631 ACF DF100 -113E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.35 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274A
Result file : 25PCBS17257004.098.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 12:12:01
Instrument : CP25--18274B
Result file : 25PCBS17257004B.098.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			4927.5362	956.5217		** 51.30	4	40	
Aroclor-1221			4927.5362	1478.2609		** 162.26	3	5	
Aroclor-1232			4927.5362	1188.4058		** 50.23	4	10	
Aroclor-1242			4927.5362	1188.4058		** 55.42	4	30	
Aroclor-1248			4927.5362	956.5217		0.95	4	40	
Aroclor-1254			4927.5362	1275.3623		** 52.90	4	40	
Aroclor-1260			4927.5362	1130.4348		1.84	4	40	
Aroclor-1262			4927.5362	956.5217		2.22	4	40	
Aroclor-1268			4927.5362	956.5217		19.62	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:12:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.098.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.018		1360	841
2.037		1267	1428
2.077		3270	4719
2.102		5583	8815
2.182		1184	1370
2.233		2623	1634
2.259		773	496
2.31		1016	1096
2.345		702	429
2.36		893	431
2.397		583	329
2.411		588	614
2.456		561	416
2.479		670	474
2.514		2645	3649
2.572		1010	819
2.587		863	1010
2.664		1460	1010
2.681		2914	1678
2.736		623	498
2.765		531	349
2.816		420	176
2.837		946	855
2.908		675	418
2.923		914	699
2.959	TCX	28816	19565
3.006		674	491
3.046		689	778
3.102		465	314
3.125		583	720
3.211		1165	1080
3.237		381	183
3.264		1782	1109
3.28		11177	6928
3.425		2148	1411
3.443		2790	1717
3.515		838	847
3.542		14688	10575
3.61		5182	3620
3.652		521	290
3.665		735	538
3.73		53354	55139
3.765		85616	63728
3.813		4364	3443
3.854		8939	7202
3.885		44879	32682
3.912		106873	71827
3.934		252726	188205
3.984		460	187
4.009		21878	15949
4.033		12556	8582
4.064		31000	24655
4.1		47057	44461
4.146		33739	28082

RT A	Compound A	Height A	Area A
4.172		18599	14262
4.223		17952	14303
4.259		223837	217738
4.304		160330	145774
4.371		105617	88179
4.413		349106	371332
4.448		173739	149207
4.489		36860	27614
4.509		8203	5358
4.553		54178	52345
4.603		52358	34908
4.62		102607	85494
4.665		340185	313797
4.713		354707	401003
4.75		47494	27948
4.79		763047	759307
4.836		26222	22993
4.876		225047	238700
4.909		4202	2449
4.937		210115	210528
4.988		1127214	1408658
5.041		183579	175958
5.08		426971	491855
5.122		18342	10618
5.16		100361	124253
5.193		1377279	1466130
5.234		13135	5988
5.26		613837	583833
5.302		414747	399079
5.396		178969	139930
5.421		617484	560230
5.478		381127	351746
5.517		217022	219782
5.56		28962	30739
5.599		229007	260723
5.656		1993632	2022362
5.753		984	1201
5.802		740	740
5.86		1125196	1087994
5.89		62227	41605
5.916		228714	252284
5.958		789	367
6.027		5294	4203
6.051		11341	9921
6.101		35631	26914
6.131		207761	201652
6.196		1665	1624
6.286		492058	497738
6.331		33330	31999
6.395		626	219
6.427		396	507
6.446		446	419
6.489		97734	98040
6.557		571	888
6.617		1348	2628
6.639	DCB	33411	33301
6.673		1450	846
6.699		3919	3388
6.774		562	236
6.846		275	2110
6.882		12144	11935
6.918		3362	3913
6.976		430	428

LANCASTER LABORATORIES

Sample Number: 9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:12:01 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.098.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		18599	17578
2.034		17203	14352
2.053		6543	3021
2.077		11298	11822
2.097		11717	8371
2.129		15353	27625
2.193		6766	6900
2.216		6173	3308
2.236		6395	4953
2.256		7621	3923
2.275		5970	9635
2.318		6227	6357
2.336		5016	3688
2.372		4005	1398
2.392		9944	7302
2.412		5854	11879
2.473		4664	2604
2.515		9772	11148
2.565		11714	15120
2.592		4586	3113
2.621		3996	2397
2.642	TCX	58363	35112
2.673		7859	10033
2.703		6608	2746
2.733		7786	15659
2.788		4327	8851
2.837		5047	3254
2.864		3955	5497
2.896		2841	1303
2.937		25613	25871
2.98		4115	2678
3.017		2258	1253
3.061		955	218
3.069		1687	449
3.087		734	531
3.098		1092	521
3.103		1200	501
3.117		1380	494
3.134		2528	1382
3.142		2824	1419
3.163		754	113
3.185		388	99
3.218		2871	2643
3.253		33463	39352
3.298		6050	7619
3.319		1363	1379
3.341		10316	8837
3.382		2857	1817
3.413		29621	20479
3.432		79957	48625
3.463		132554	88931
3.512		12543	13996
3.556		71322	41204
3.579		175563	93311

RT B	Compound B	Height B	Area B
3.597		403914	246382
3.683		41563	29438
3.706		19949	10868
3.728		63474	62170
3.772		81475	66646
3.81		32881	22163
3.854		21402	15273
3.883		10171	5886
3.905		364998	248585
3.931		56774	32106
3.951		180910	105388
3.97		126060	73844
4.005		575531	413859
4.036		254025	213207
4.076		79147	59129
4.12		37924	43923
4.149		67332	45355
4.17		40372	25571
4.207		168738	121981
4.249		118410	80597
4.28		488144	601364
4.306		203140	200215
4.358		1189210	1021210
4.396		48217	53214
4.428		238306	160404
4.453		352935	267081
4.495		1663645	1334855
4.597		1055057	1026190
4.649		223878	198977
4.689		373043	320229
4.725		1678628	1386342
4.757		710700	515181
4.796		538866	443028
4.867		4912	4919
4.895		167088	193484
4.947		882527	709880
4.971		161562	108104
5.021		544853	498610
5.056		277200	221797
5.085		195357	161541
5.117		91456	52811
5.139		2595128	2100850
5.181		56568	44002
5.213		74420	62063
5.33		23842	16158
5.353		436388	365169
5.397		1742772	1781499
5.552		27770	23750
5.596		63599	50997
5.62		12284	7587
5.641		9820	6039
5.669		295448	249297
5.774		664667	566230
5.805		44113	33711
5.972		134691	125002
6.131	DCB	54587	45920
6.164		2987	4017
6.259		7428	19662
6.306		4779	3681
6.336		4859	5220
6.44		2458	2532
6.496		1938	2604
6.575		23692	29453
6.701		1915	3942
6.864		1648	4264

9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082

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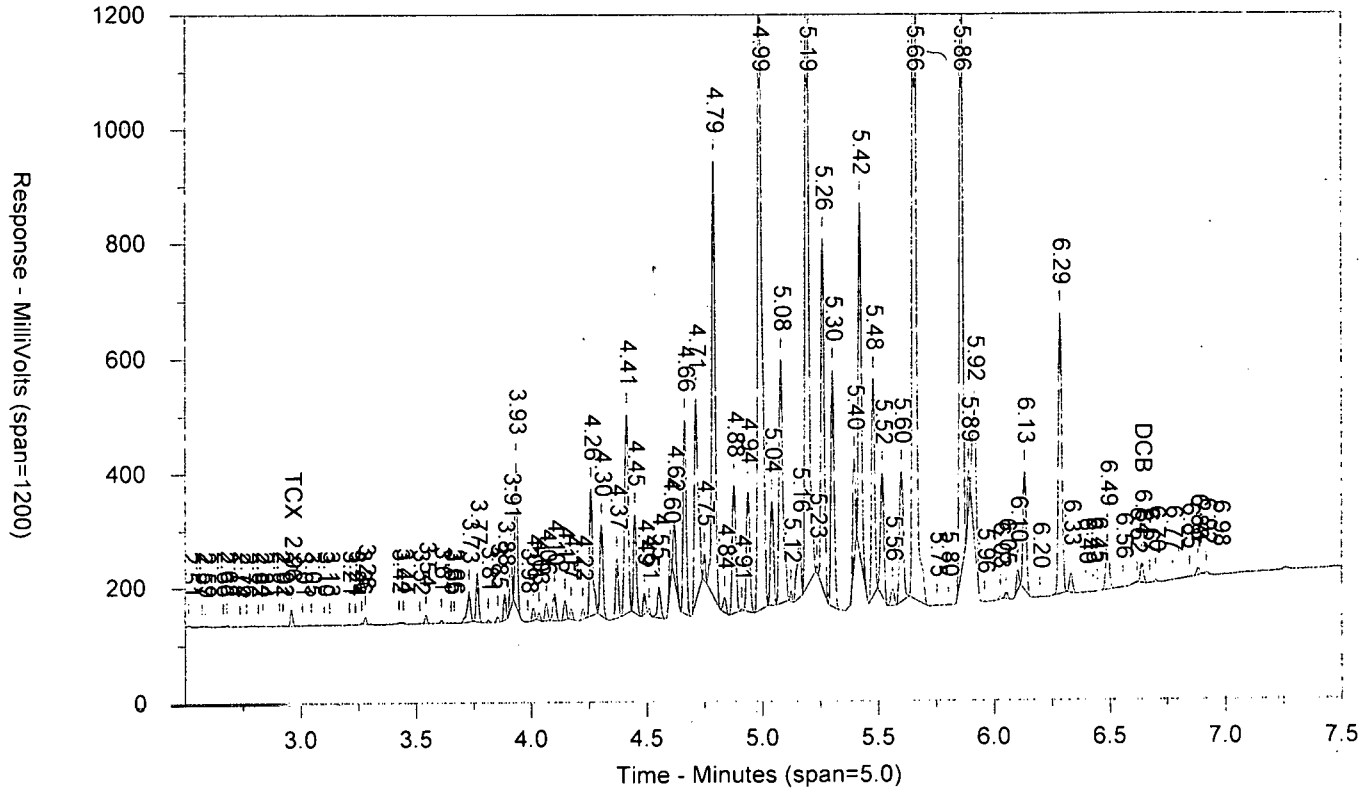

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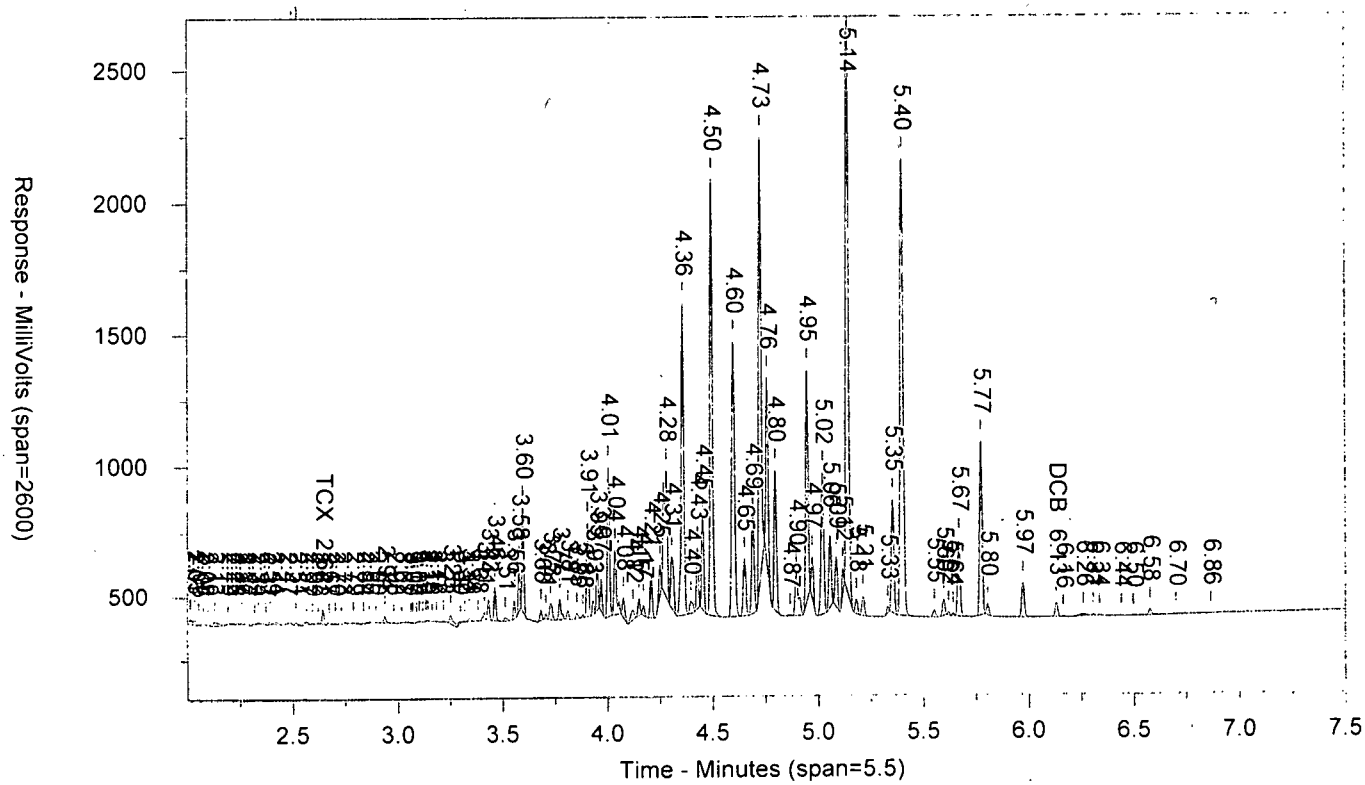

LANCASTER LABORATORIES

Sample Number: 9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:12:01 PM Sample Weight: 10.35
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	28816	24.494	TCX	2.642	58363	31.547	TCX
6.639	33411	30.314	DCB	6.131	54587	34.929	DCB

Files:
Area File: 25PCBS17257004.098.RAW
Area File: 25PCBS17257004B.098.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 12:20:32 PM
File Reported On: 9/18/2017 at 12:20:49 PM

9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082

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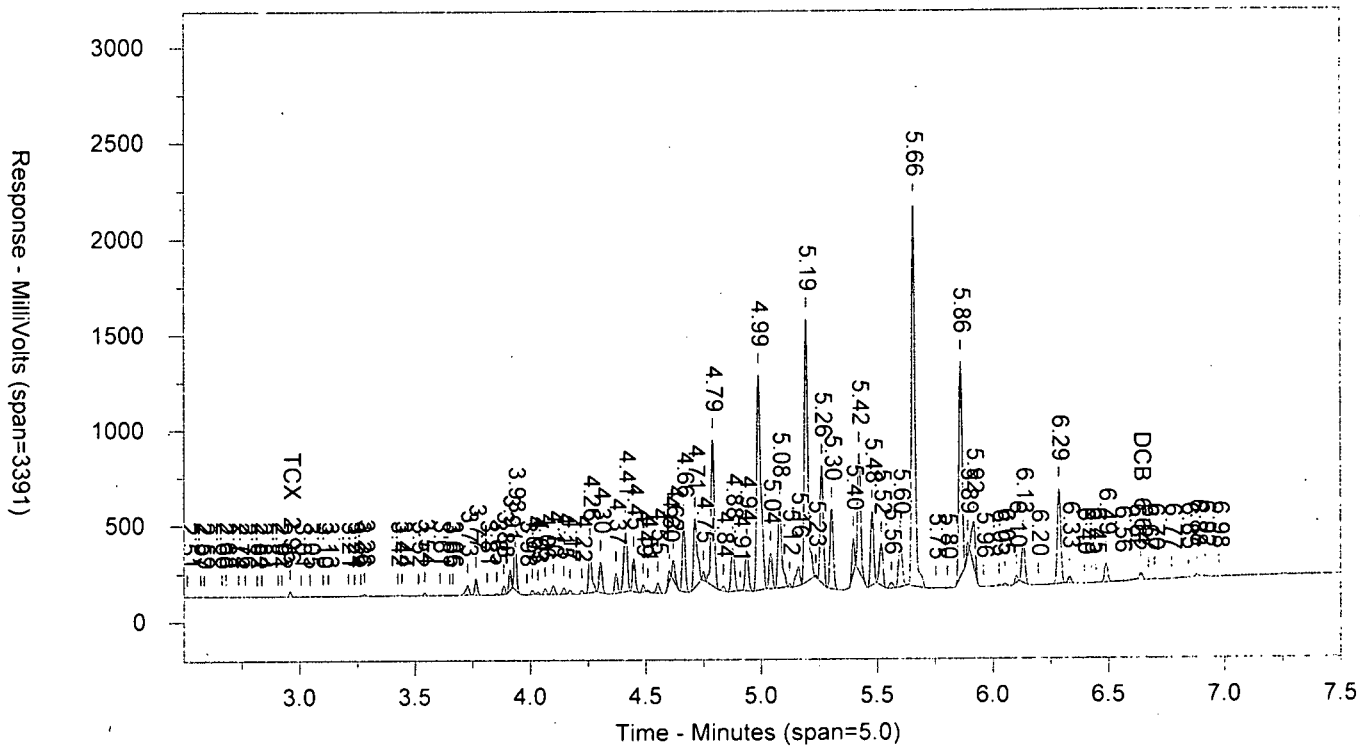

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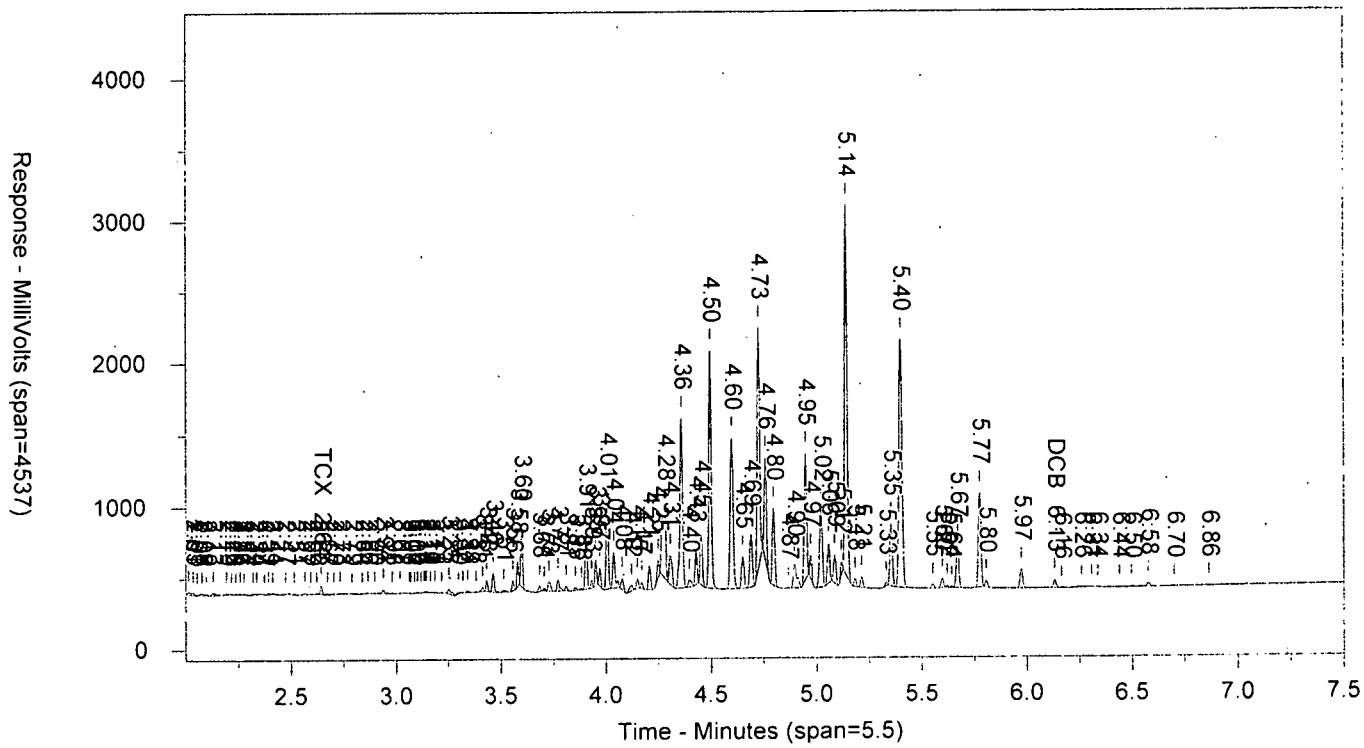

9202631 ACF DF100 AC-113E T 172560011A 10225 SW-846 8082

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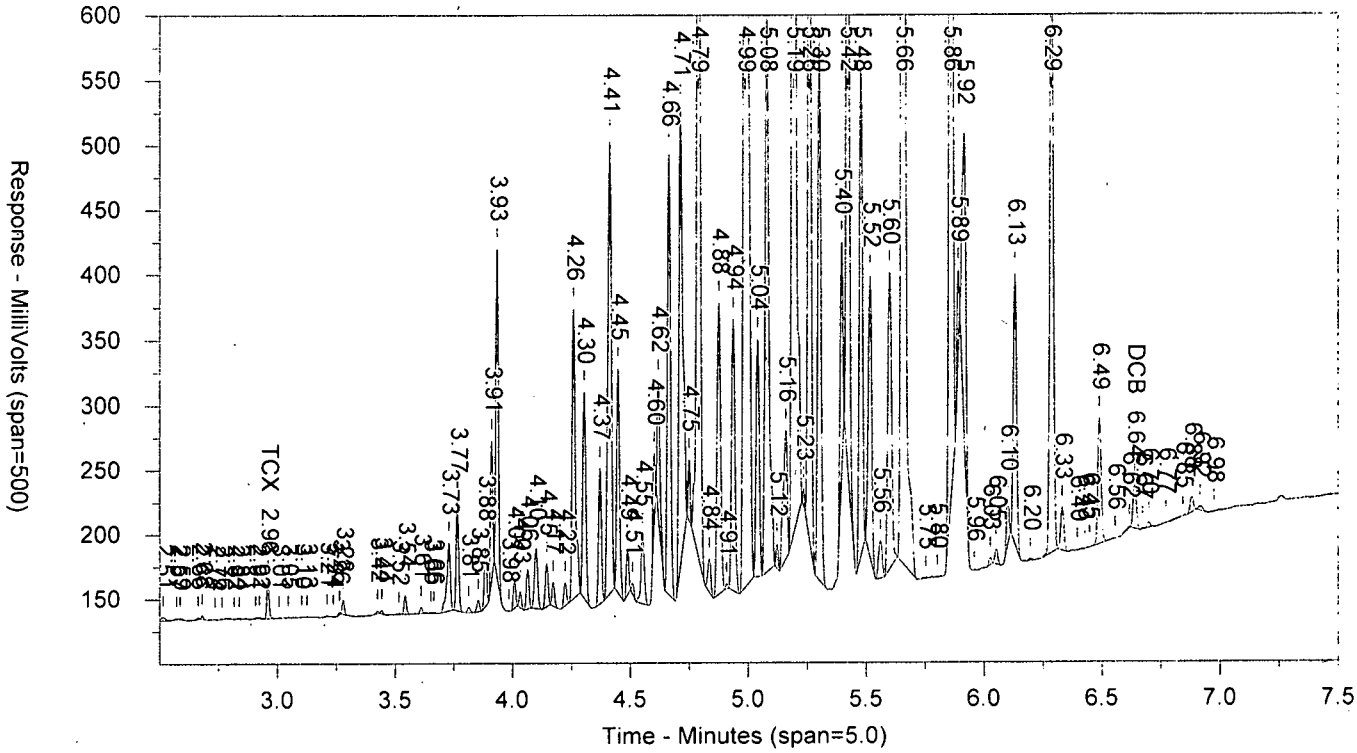

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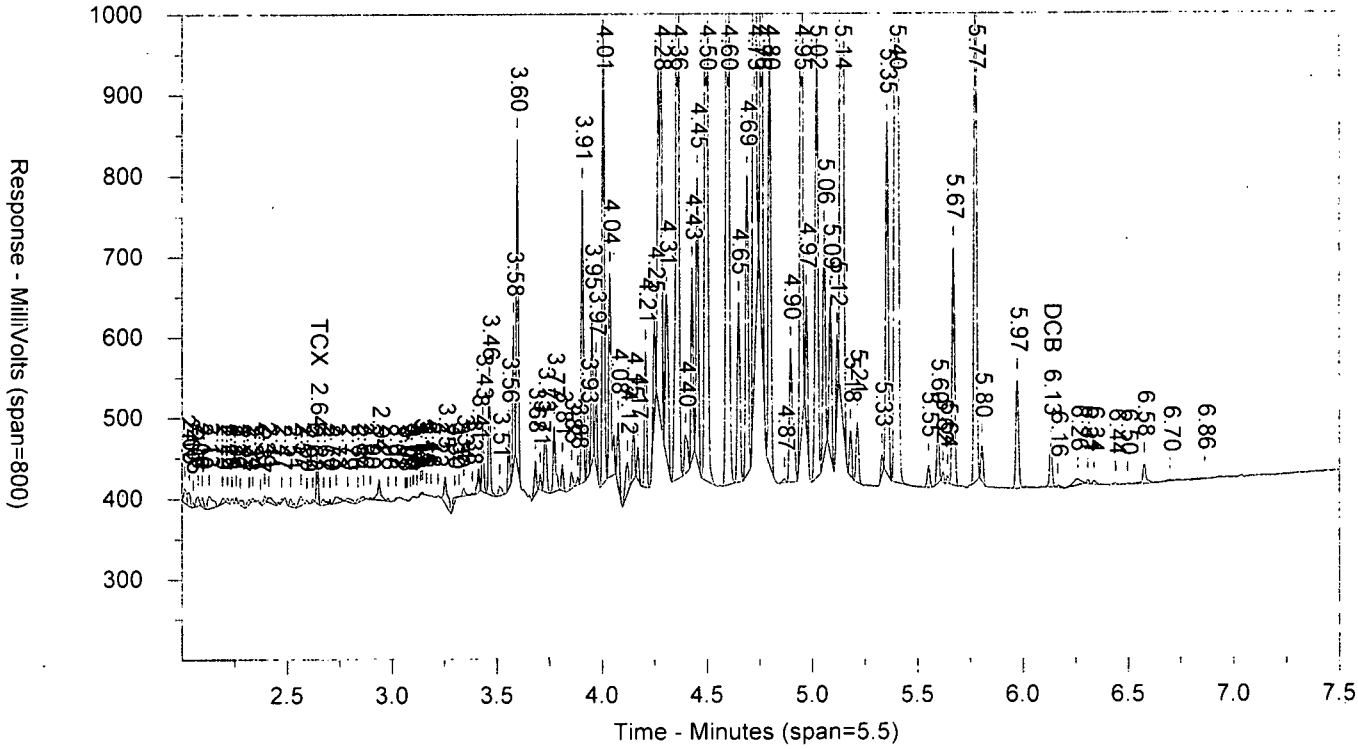

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Data Summary

Sample Name: 9202632 ACF DF10 DUP12 Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 2855 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 20, 2017 02:10:45
Instrument	18274A
Result file	25PCBS17257006.027.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 66% (61 - 152) Conc: 19.5432
%SSR(DCB) 73% (48 - 164) Conc: 19.35838

Analysis Report (B)

Injected on	Sep 20, 2017 02:10:45
Instrument	18274B
Result file	25PCBS17257006B.027.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 66% (61 - 152) Conc: 19.57629
%SSR(DCB) 75% (48 - 164) Conc: 19.69753

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	228808	19.5432
Decachlorobiphenyl	6.61	6.64	6.67	212327	19.35838

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	360418	19.57629
Decachlorobiphenyl	6.10	6.13	6.16	306349	19.69753

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	19.57629				0.17	
☑	Tetrachloro-m-xylene-D1	A	19.5432					
☑	Tetrachloro-m-xylene-D2	B	19.57629					
☐	Decachlorobiphenyl	B	19.69753				1.74	
☑	Decachlorobiphenyl-D1	A	19.35838					
☑	Decachlorobiphenyl-D2	B	19.69753					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**14.68**	
4.97	4.99	5.01	1018060	1696.587097			1
5.17	5.19	5.21	1553829	2094.959893			2
5.24	5.26	5.28	828417.5	2308.953854			3
5.40	5.42	5.44	875508.1	2308.270492			4
5.64	5.65	5.68	2713424	2575.797154			5
5.84	5.86	5.88	1673992	2578.026141			6

Height summation: **8663230.6**
Concentration CF: **2260.432439** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**15.22**	
4.47	4.49	4.51	1381371	1613.637031			1
4.58	4.59	4.62	1252564	1844.599608			2
4.71	4.72	4.75	1745866	2109.270682			3
4.93	4.94	4.97	1227696	2161.170768			4
5.12	5.14	5.16	3332250	2494.292221			5
5.38	5.40	5.42	2147467	2313.315538			6

Height summation: **11087214**
Concentration CF: **2089.380975** 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	2260.432439	495.1456	113.5922	D1	7.86	4	

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 22 2017

Reviewed and digitally signed by Jessica L Miller on 9/20/2017 22:23:45

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202632** ACF DF10 DUP12 Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2017 02:10:45
Instrument : CP25--18274A
Result file : 25PCBS17257006.027.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 66% (61-152) Conc.: 19.5432
%SSR(DCB) : 73% (48-164) Conc.: 19.35838

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**73.62**	
3.19	3.21	3.23	2174.181	11.375979			1
3.41	3.41	3.45	3753.15	19.529513			2
+ 3.41	3.44	3.45	1293.994	6.733297			2
3.52	3.55	3.56	971.7084	4.020741			3
3.74	3.76	3.78	2370.337	7.830633			4
3.79	3.80	3.83	692.7792	2.61241			5
3.99	4.01	4.03	4616.955	23.513679			6
Height Summation:			**14579.1106**				
Amount Avg CF:			**11.480493**	Linear:			
Aroclor-1221					**3**	**65.93**	
3.09	3.13	3.13	863.122	8.814613			1
3.14	3.15	3.18	2169.396	23.908585			2
3.19	3.21	3.23	2174.181	8.018852			3
Height Summation:			**5206.699**				
Amount Avg CF:			**13.580683**	Linear:			
Aroclor-1232					**6**	**90.30**	
3.19	3.21	3.23	2174.181	9.590103			1
3.40	3.41	3.44	3753.15	42.713584			2
+ 3.40	3.44	3.44	1293.994	14.726595			2
3.52	3.55	3.56	971.7084	8.612759			3
3.73	3.76	3.77	2370.337	16.914179			4
3.79	3.80	3.83	692.7792	5.951068			5
3.99	4.01	4.03	4616.955	56.614509			6
Height Summation:			**14579.1106**				
Amount Avg CF:			**23.399367**	Linear:			
Aroclor-1242					**6**	**74.42**	
3.19	3.21	3.23	2174.181	8.0802			1
3.41	3.41	3.45	3753.15	14.449141			2
+ 3.41	3.44	3.45	1293.994	4.981709			2
3.52	3.55	3.56	971.7084	2.9479			3
3.74	3.76	3.78	2370.337	5.659391			4
3.80	3.80	3.84	692.7792	1.895001			5
3.99	4.01	4.03	4616.955	17.23968			6
+ 3.99	4.03	4.03	3181.36	11.879178			6
Height Summation:			**14579.1106**				
Amount Avg CF:			**8.378552**	Linear:			
Aroclor-1248					**5**	**73.12**	
3.74	3.76	3.78	2370.337	18.633619			1
3.80	3.80	3.84	692.7792	4.698162			2
3.86	3.88	3.90	11276.03	46.306265			3
3.99	4.01	4.03	4616.955	16.590224			4
4.08	4.10	4.12	12458.76	50.464539			5
Height Summation:			**31414.8612**				
Amount Avg CF:			**27.338562**	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 02:10:45
Instrument : CP25--18274B
Result file : 25PCBS17257006B.027.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 66% (61-152) Conc.: 19.57629
%SSR(DCB) : 75% (48-164) Conc.: 19.69753

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**103.19**	
+ 3.11	3.12	3.15	1493.604	5.968534			2
3.11	3.13	3.15	3230.134	12.907815			2
3.23	3.25	3.27	6505.36	18.060534			3
+ 3.43	3.43	3.47	3941.55	10.454829			4
3.43	3.46	3.47	5304.937	14.071167			4
3.50	3.52	3.54	3565.067	8.836942			5
3.54	3.55	3.58	19249.58	70.302356			6
Height Summation:			**37855.078**				
Amount Avg CF:			**24.835763**	Linear:			
Aroclor-1221					**2**	**54.43**	
2.79	2.81	2.83	3987.911	22.904709			1
+ 2.79	2.83	2.83	2954.799	16.970993			1
2.85	2.86	2.89	5359.476	51.569662			2
Height Summation:			**9347.387**				
Amount Avg CF:			**37.237185**	Linear:			
Aroclor-1232					**5**	**113.82**	
+ 3.11	3.12	3.15	1493.604	12.777062			2
3.11	3.13	3.15	3230.134	27.632238			2
3.23	3.25	3.27	6505.36	39.799653			3
+ 3.43	3.43	3.47	3941.55	22.859248			4
3.43	3.46	3.47	5304.937	30.766291			4
3.50	3.52	3.54	3565.067	19.943035			5
3.53	3.55	3.57	19249.58	180.934348			6
Height Summation:			**37855.078**				
Amount Avg CF:			**59.815113**	Linear:			
Aroclor-1242					**5**	**105.74**	
+ 3.11	3.12	3.15	1493.604	5.095601			2
3.11	3.13	3.15	3230.134	11.019971			2
3.23	3.25	3.27	6505.36	13.36726			3
+ 3.43	3.43	3.47	3941.55	7.720447			4
3.43	3.46	3.47	5304.937	10.390959			4
3.50	3.52	3.54	3565.067	6.682092			5
3.54	3.55	3.58	19249.58	56.269872			6
Height Summation:			**37855.078**				
Amount Avg CF:			**19.546031**	Linear:			
Aroclor-1248					**6**	**151.78**	
+ 3.43	3.43	3.47	3941.55	26.066897			1
3.43	3.46	3.47	5304.937	35.083469			1
3.50	3.52	3.54	3565.067	15.462961			2
3.54	3.55	3.58	19249.58	49.859054			3
3.66	3.68	3.70	7996.42	16.703488			4
+ 3.66	3.70	3.70	7672.641	16.027156			4
3.75	3.77	3.79	15972.93	48.772503			5
3.89	3.90	3.93	210275.6	351.991254			6
Height Summation:			**262364.534**				
Amount Avg CF:			**86.312122**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202632** ACF DF10 DUP12 Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 20, 2017 02:10:45
Instrument : CP25--18274A
Result file : 25PCBS17257006.027.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	109.21	
4.24	4.26	4.28	137010.5	501.318521			1
4.39	4.41	4.43	144901.4	310.654738			2
4.65	4.66	4.68	298764.9	459.937845			3
4.86	4.87	4.90	151854.3	320.569492			4
5.06	5.08	5.10	442133	1198.065287			5
5.17	5.19	5.21	1553829	3021.055245			6
Height Summation:			2728493.1				
Amount Avg CF:			968.600188	Linear:			
Aroclor-1260					6	14.68	
4.97	4.99	5.01	1018060	1696.587097			1
5.17	5.19	5.21	1553829	2094.959893			2
5.24	5.26	5.28	828417.5	2308.953854			3
5.40	5.42	5.44	875508.1	2308.270492			4
5.64	5.65	5.68	2713424	2575.797154			5
5.84	5.86	5.88	1673992	2578.026141			6
Height Summation:			8663230.6				
Amount Avg CF:			2260.432438	Linear:			
Aroclor-1262					6	31.47	
5.25	5.26	5.29	828417.5	1381.426563			1
5.41	5.42	5.45	875508.1	1651.944793			2
E 5.64	5.65	5.68	2713424	2035.749951			3
E 5.85	5.86	5.89	1673992	2088.413434			4
5.90	5.91	5.94	296106.3	751.363478			5
6.27	6.28	6.31	706686	1465.791659			6
Height Summation:			7094133.9				
Amount Avg CF:			1562.448313	Linear:			
Aroclor-1268					6	95.79	
5.84	5.86	5.88	1673992	1151.982694			1
5.90	5.91	5.94	296106.3	232.603691			2
6.03	6.05	6.07	20237.94	16.670313			3
+ 6.10	6.10	6.14	42417.44	133.311292			4
6.10	6.13	6.14	295099.7	927.451595			4
6.27	6.28	6.31	706686	1325.640876			5
6.47	6.49	6.51	135615.1	33.49049			6
+ 6.47	6.51	6.51	4312.329	1.06494			6
Height Summation:			3127737.04				
Amount Avg CF:			614.639943	Linear:			

Analysis Report (B)

Injected on : Sep 20, 2017 02:10:45
Instrument : CP25--18274B
Result file : 25PCBS17257006B.027.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	77.10	
4.25	4.28	4.29	539953.2	592.169178			1
4.34	4.36	4.38	1396047	3258.961449			2
+ 4.41	4.43	4.45	107408.2	170.377366			3
4.41	4.45	4.45	457975.8	726.468842			3
4.48	4.49	4.51	1381371	3666.85629			4
4.63	4.65	4.67	215701.8	487.000472			5
4.71	4.72	4.75	1745866	2489.897789			6
Height Summation:			5736914.8				
Amount Avg CF:			1870.22567	Linear:			
Aroclor-1260					6	15.22	
4.47	4.49	4.51	1381371	1613.637031			1
4.58	4.59	4.62	1252564	1844.599608			2
4.71	4.72	4.75	1745866	2109.270682			3
4.93	4.94	4.97	1227696	2161.170768			4
5.12	5.14	5.16	3332250	2494.292221			5
5.38	5.40	5.42	2147467	2313.315538			6
Height Summation:			11087214				
Amount Avg CF:			2089.380975	Linear:			
Aroclor-1262					6	26.77	
4.74	4.75	4.78	1012108	1216.656072			1
4.93	4.94	4.97	1227696	1478.988276			2
+ 4.93	4.97	4.97	207959.6	250.526034			2
5.12	5.14	5.16	3332250	1896.817503			3
5.34	5.35	5.38	587284.9	870.355506			4
5.38	5.40	5.42	2147467	1823.529059			5
5.76	5.77	5.80	873842.8	1342.661778			6
Height Summation:			9180648.7				
Amount Avg CF:			1438.168033	Linear:			
Aroclor-1268					6	123.41	
5.33	5.35	5.37	587284.9	298.776392			1
5.38	5.40	5.42	2147467	1113.369137			2
5.53	5.55	5.57	40934.16	25.323321			3
5.60	5.62	5.64	16290.7	38.618118			4
5.75	5.77	5.79	873842.8	1197.986886			5
5.95	5.97	5.99	185990.4	30.848535			6
Height Summation:			3851809.96				
Amount Avg CF:			450.820398	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		** 73.55	4	40	
Aroclor-1221			495.1457	148.5437		** 93.10	3	5	
Aroclor-1232			495.1457	119.4175		** 87.52	4	10	
Aroclor-1242			495.1457	119.4175		** 79.98	4	30	
Aroclor-1248			495.1457	96.1165		** 103.78	4	40	
Aroclor-1254			495.1457	128.1553		** 63.52	4	40	
Aroclor-1260			495.1457	113.5922		7.86	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202632 ACF DF10 DUP12 Sample ID: AD **Batchnumber: 172560011A**
Sample Amount: 10.3 g Total Volume: 100 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 20, 2017 02:10:45
Instrument	: CP25--18274A
Result file	: 25PCBS17257006.027.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 20, 2017 02:10:45
Instrument	: CP25--18274B
Result file	: 25PCBS17257006B.027.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1262			495.1457	96.1165	E	8.28	4	40	
Aroclor-1268			495.1457	96.1165		30.75	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 2:10:45 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.014		1577	923
2.031		917	733
2.074		5522	6486
2.104		5272	8787
2.165		8031	5390
2.232		21093	14180
2.258		633	375
2.306		775	514
2.357		1891	1905
2.393		1651	2027
2.422		920	737
2.515		2419	3537
2.565		578	369
2.603		834	823
2.664		4619	2522
2.68		10930	6184
2.733		340	293
2.765		463	308
2.781		1423	1413
2.814		494	168
2.834		1756	1064
2.872		649	312
2.921		1519	2006
2.958	TCX	228808	158205
3.046		1080	562
3.064		1193	660
3.126		863	687
3.154		2169	1928
3.208		2174	2081
3.26		65640	40589
3.278		16322	8505
3.364		1244	1281
3.408		3753	3107
3.437		1294	1204
3.512		2066	1869
3.553		972	481
3.587		1128	1090
3.614		1793	1545
3.64		5170	5415
3.703		1176	607
3.727		3510	3136
3.758		2370	2026
3.798		693	478
3.856		852	1150
3.881		11276	8756
3.908		8891	5946
3.931		10105	8743
4.006		4617	3509
4.029		3181	2345
4.061		6548	4562
4.096		12459	11733
4.141		4616	3643
4.168		4876	4154
4.22		4500	3387

RT A	Compound A	Height A	Area A
4.256		137011	124462
4.3		50548	45958
4.368		42670	35943
4.409		144901	151432
4.444		43349	36761
4.485		16534	12491
4.507		6542	4332
4.55		32327	32554
4.616		172229	205273
4.661		298765	270138
4.71		392035	461726
4.747		57164	36081
4.787		968482	912783
4.821		5394	9456
4.872		151854	168841
4.907		5806	3396
4.934		277311	277250
4.986		1018060	1359739
5.038		226524	215582
5.076		442133	505472
5.119		15898	8354
5.156		140953	186631
5.19		1553829	1612564
5.233		21089	9431
5.257		828418	777790
5.3		517773	514431
5.394		236213	184727
5.419		875508	781158
5.475		522521	481350
5.513		281358	278556
5.557		35304	36944
5.598		257281	258037
5.654		2713424	2780068
5.756		9313	17041
5.801		2668	2538
5.857		1673992	1529375
5.888		102903	64780
5.913		296106	339759
5.958		440	371
5.998		0	364
6.024		9516	7666
6.049		20238	17596
6.099		42417	33877
6.129		295100	269653
6.163		2717	1628
6.192		2116	1539
6.233		517	308
6.283		706686	693773
6.329		52025	49813
6.402		4090	7286
6.487		135615	126657
6.51		4312	2136
6.538		1109	820
6.609		4695	3624
6.635	DCB	212327	221614
6.668		1992	1186
6.697		4062	5549
6.799		571	1290
6.822		743	548
6.847		986	668
6.879		22938	24237
6.928		6325	8131
6.968		715	451

LANCASTER LABORATORIES

Sample Number: 9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 2:10:45 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		10667	15707
2.14		4677	6921
2.212		2813	3737
2.254		3950	7238
2.316		2244	2123
2.336		7328	8177
2.391		24155	20523
2.46		3066	7175
2.517		4632	4361
2.562		2337	2675
2.641	TCX	360418	217634
2.738		2427	2849
2.808		3988	2354
2.831		2955	2817
2.857		5359	4883
2.947		125273	101732
2.996		2829	1497
3.011		1164	2904
3.074		376	117
3.087		583	295
3.093		596	270
3.118		1494	528
3.135		3230	1974
3.154		778	276
3.161		1063	204
3.177		1206	415
3.198		1277	882
3.222		2767	2021
3.251		6505	11260
3.292		5028	5191
3.354		3642	5958
3.38		7906	7056
3.412		4919	2500
3.43		3942	3309
3.461		5305	6070
3.519		3565	4423
3.553		19250	11445
3.576		18843	9725
3.594		20800	12580
3.625		5253	4783
3.679		7996	6083
3.702		7673	4532
3.724		11830	11014
3.769		15973	12983
3.806		7666	5268
3.85		8474	6103
3.902		210276	144783
3.928		25558	13838
3.966		68434	81048
4.002		212484	155714
4.033		78683	112645
4.115		19710	18703
4.147		38852	27010
4.166		37827	26090

RT B	Compound B	Height B	Area B
4.204		63852	46612
4.246		133911	81480
4.277		539953	576850
4.302		257860	239649
4.355		1396047	1139289
4.403		44498	49752
4.425		107408	66718
4.449		457976	354964
4.492		1381371	1135016
4.594		1252565	1197875
4.647		215702	188957
4.686		491604	430046
4.722		1745866	1466524
4.754		1012108	723717
4.793		671657	549767
4.863		7705	10939
4.893		218430	237149
4.943		1227697	972238
4.968		207960	140964
5.018		744315	669600
5.053		359770	287298
5.082		270699	219972
5.115		39659	23595
5.136		3332250	2822317
5.178		73945	54363
5.21		97542	85015
5.255		3364	2641
5.273		7680	4829
5.308		5005	2943
5.328		27011	16126
5.351		587285	485377
5.395		2147467	2303274
5.549		40934	35160
5.594		72678	61812
5.618		16291	9735
5.666		373658	309876
5.745		4419	2668
5.771		873843	727442
5.803		61966	45769
5.888		3143	2888
5.97		185990	164328
6.023		3991	4361
6.129	DCB	306349	283365
6.165		6291	5597
6.26		6019	14478
6.334		4295	4102
6.37		3342	3422
6.396		6094	4495
6.429		3323	4245
6.499		2628	2519
6.549		3671	2570
6.572		31739	24846
6.604		9457	7858
6.656		1650	2665
6.695		1309	1077
6.82		1534	3290
6.855		2922	3706
6.934		1866	2821
6.974		1274	1713

9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082

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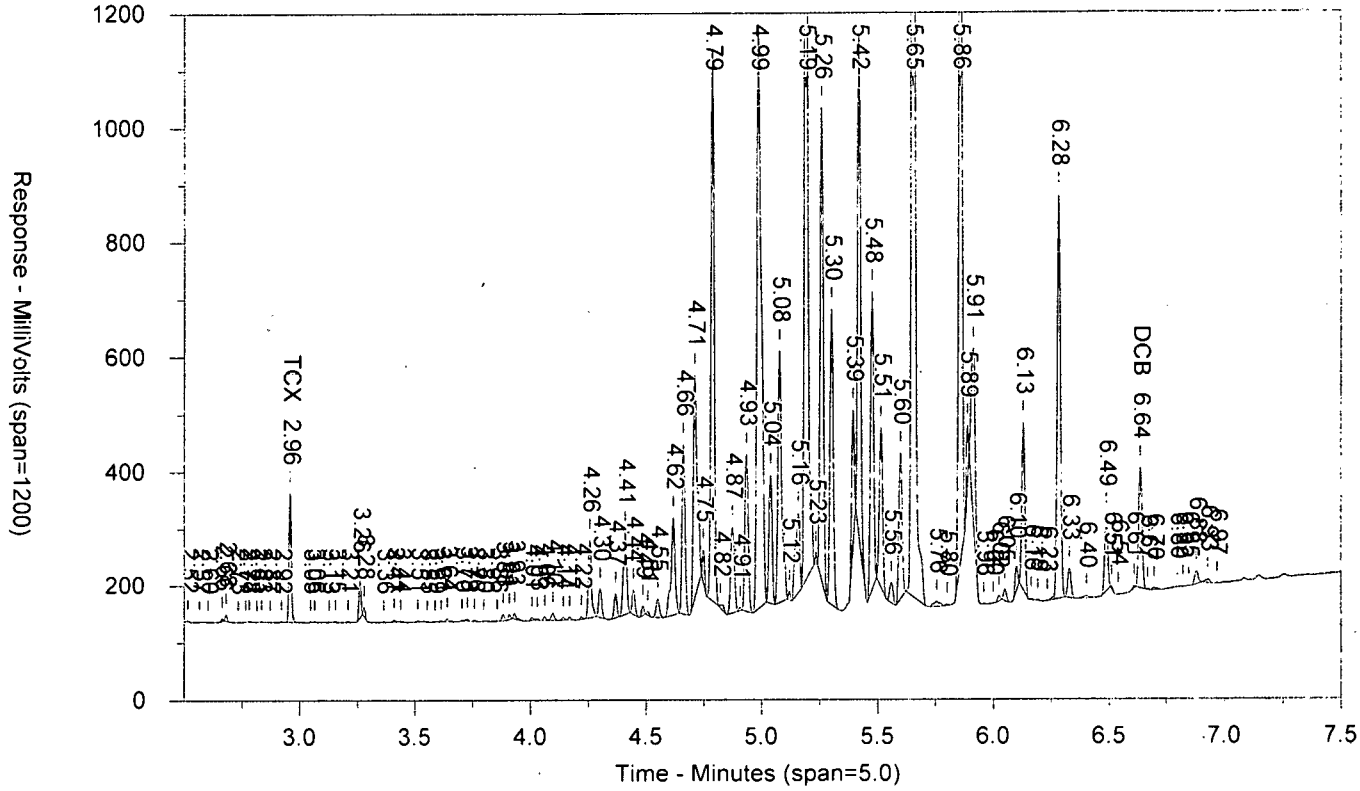

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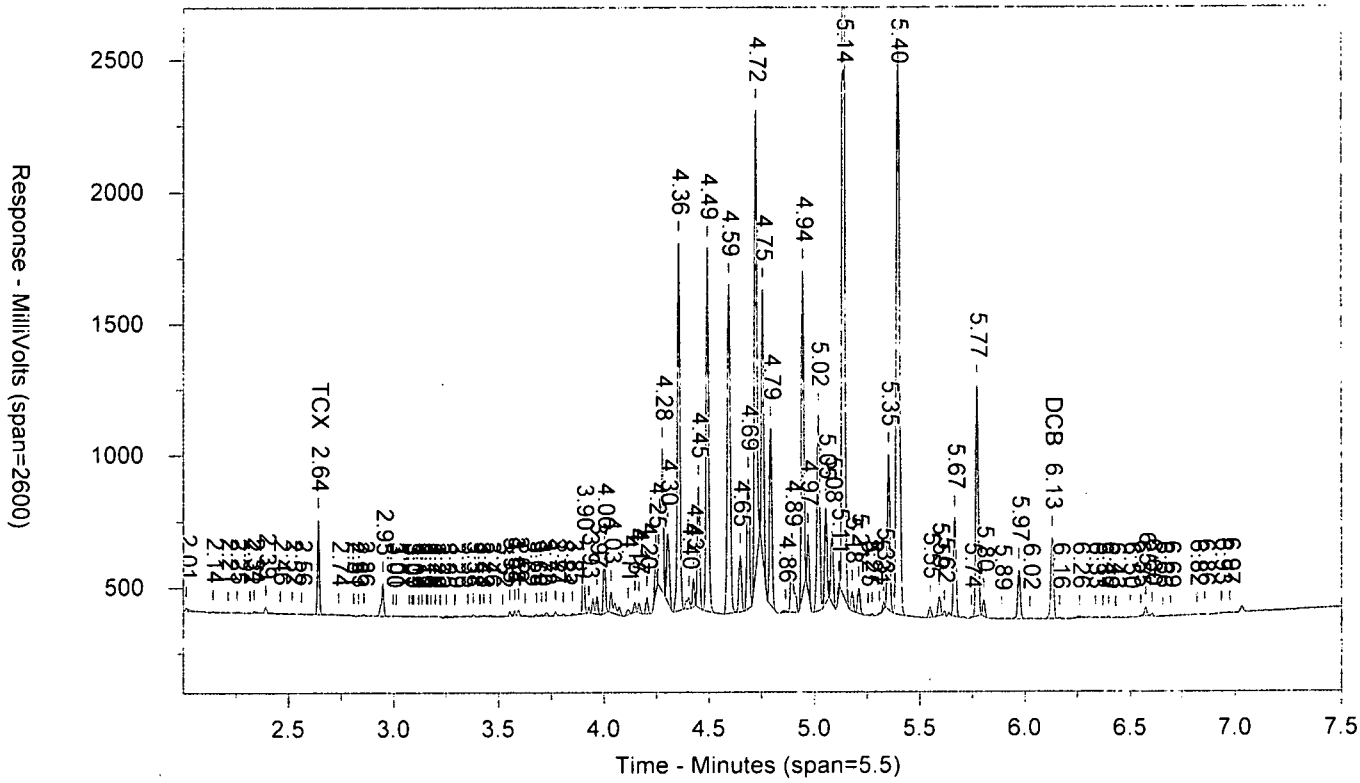

LANCASTER LABORATORIES

Sample Number: 9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082
Injected On: 9/20/2017 2:10:45 AM Sample Weight: 10.3
Instrument ID: CP25-18274 Dilution Factor: 100
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.958	228808	19.543	TCX	2.641	360418	19.576	TCX
6.635	212327	19.358	DCB	6.129	306349	19.698	DCB

Files:
Area File: 25pcbs17257006.027.RAW
Area File: 25pcbs17257006B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 2:19:17 AM
File Reported On: 9/20/2017 at 2:19:28 AM

9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082

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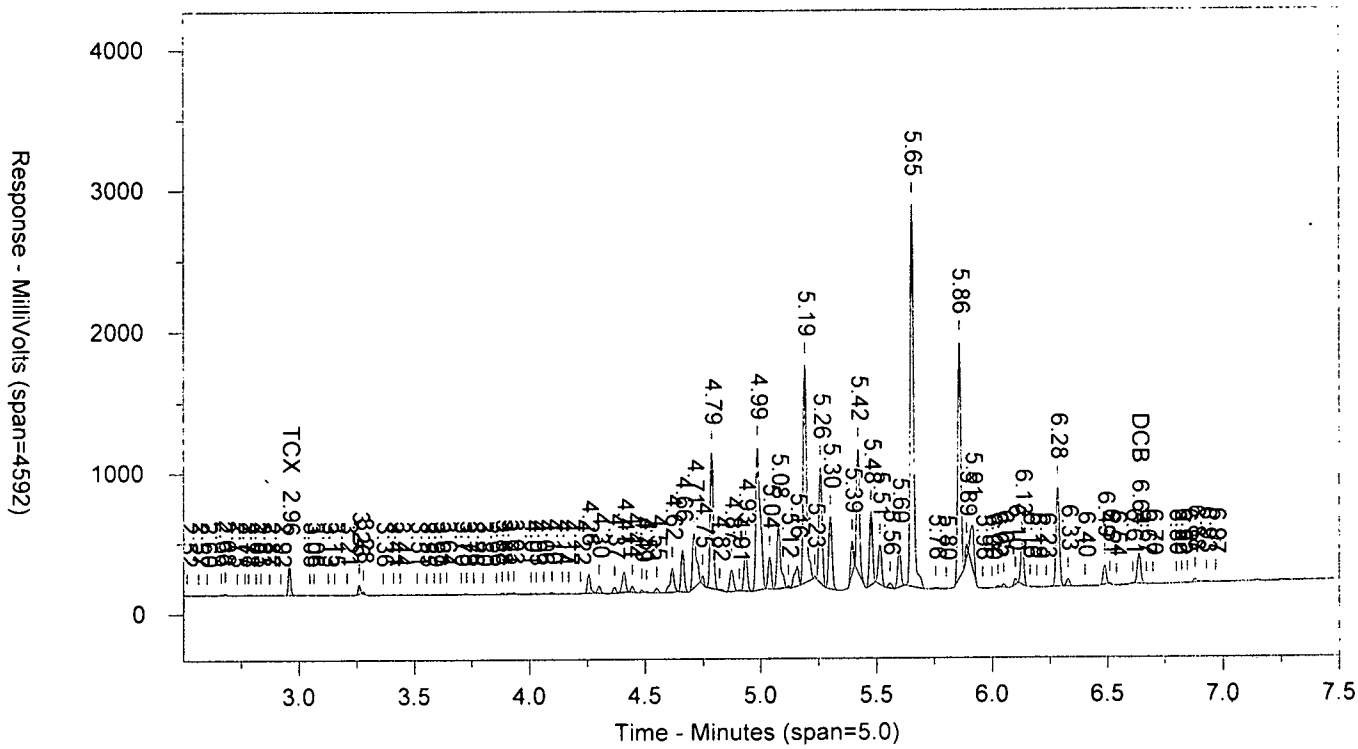

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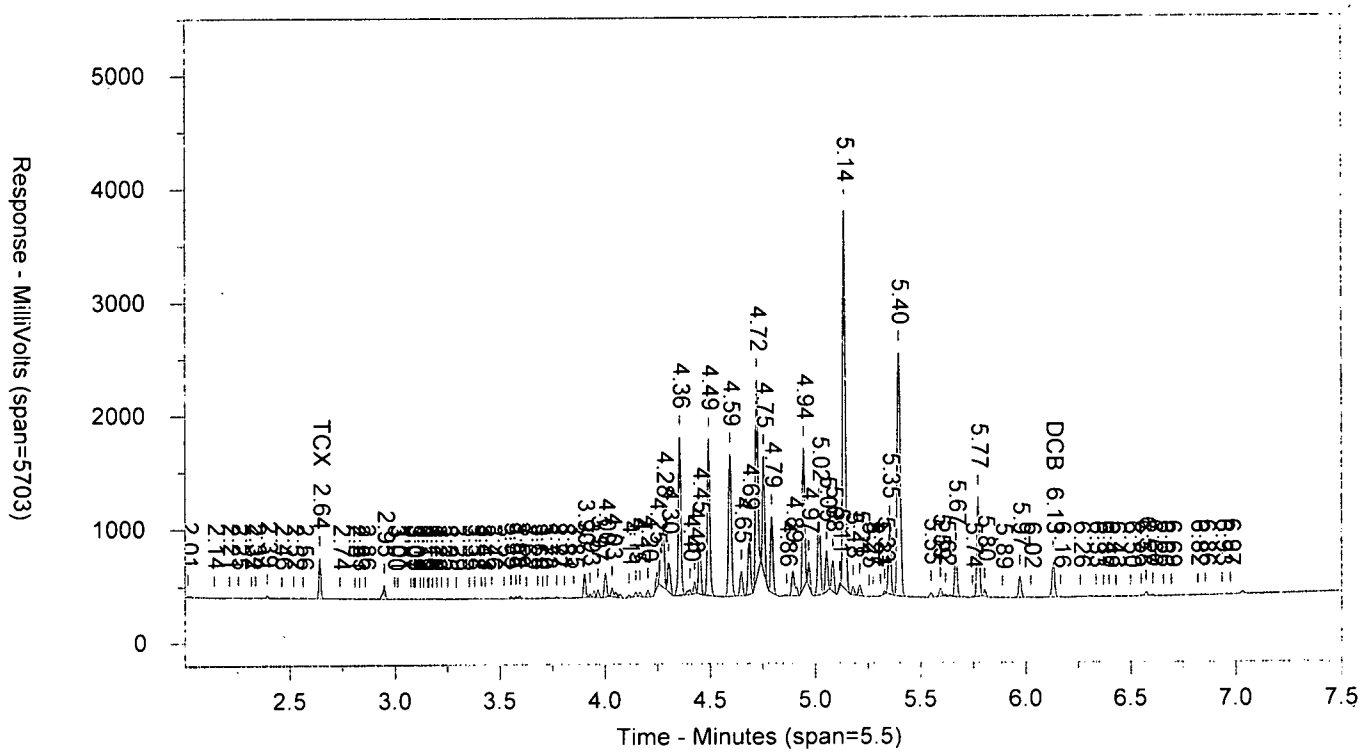

9202632 ACF DF10 ADDUP12 T 172560011A 10225 SW-846 8082

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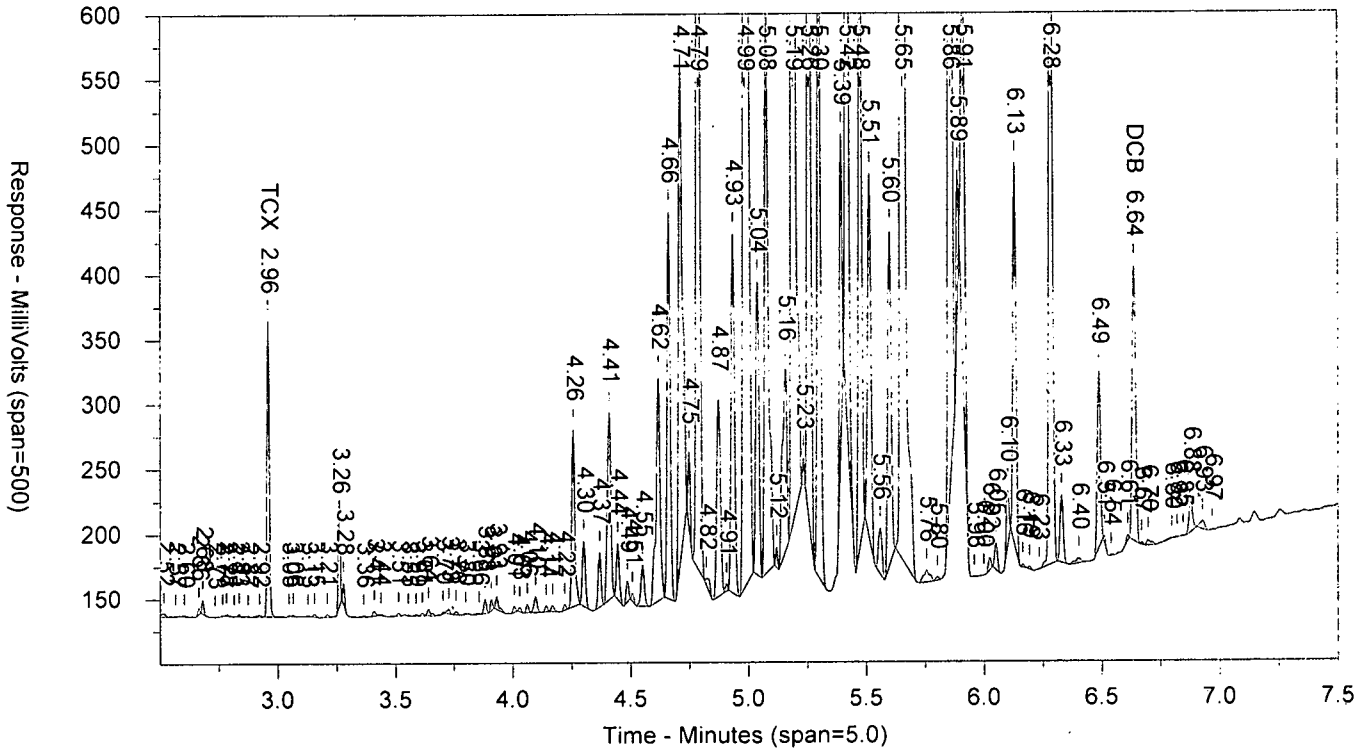

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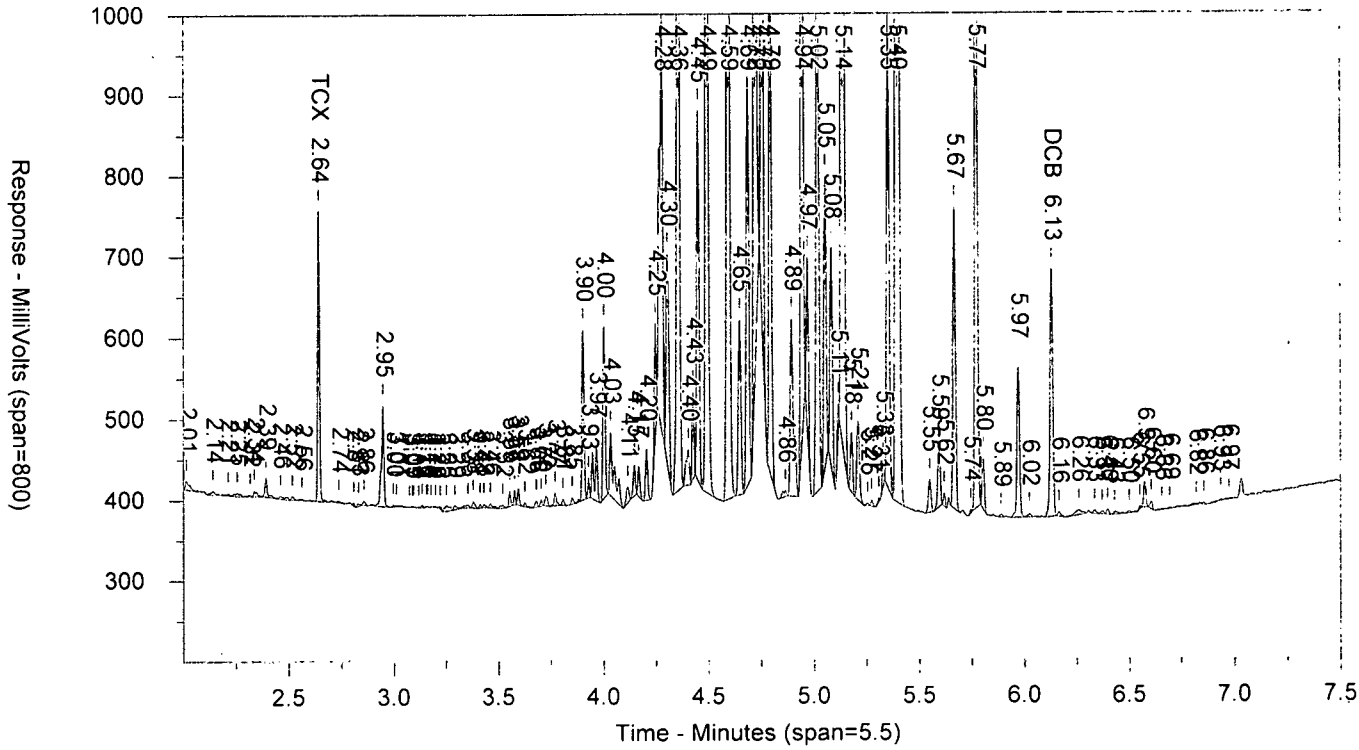

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Data Summary

Sample Name: 9202633 ACF DF100 -114E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:34:23
Instrument	18274A
Result file	25PCBS17257004.100.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 89% (61 - 152) Conc: 26.97406
%SSR(DCB) 154% (48 - 164) Conc: 41.53852

Analysis Report (B)

Injected on	Sep 18, 2017 12:34:23
Instrument	18274B
Result file	25PCBS17257004B.100.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 115% (61 - 152) Conc: 34.89291
%SSR(DCB) 141% (48 - 164) Conc: 37.98092

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	30876	26.97406
Decachlorobiphenyl	6.61	6.64	6.67	44543	41.53852

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	62807	34.89291
Decachlorobiphenyl	6.10	6.13	6.16	57751	37.98092

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	34.89291				25.60	
☑	Tetrachloro-m-xylene-D1	A	26.97406					
☑	Tetrachloro-m-xylene-D2	B	34.89291					
☐	Decachlorobiphenyl	A	41.53852				8.95	
☑	Decachlorobiphenyl-D1	A	41.53852					
☑	Decachlorobiphenyl-D2	B	37.98092					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**9.79**	
4.97	4.99	5.01	1982497	33792.714453			1
5.17	5.19	5.21	2613563	36042.359797			2
5.24	5.26	5.28	995114.8	28369.189492			3
5.40	5.42	5.44	1074164	28967.090658			4
5.64	5.66	5.68	3395151	32965.589438			5
5.84	5.86	5.88	1877171	29569.605396			6

Height summation: **11937660.8**
Concentration CF: **31617.758206** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**13.14**	
4.47	4.49	4.51	2994052	35773.597023			1
4.58	4.60	4.62	2011016	30291.82691			2
4.71	4.72	4.75	3229019	39902.4685			3
4.93	4.95	4.97	1534385	27627.420775			4
5.12	5.14	5.16	4252161	32555.712878			5
5.38	5.40	5.42	2867350	31593.434336			6

Height summation: **16887983**
Concentration CF: **32957.41007** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<5064.5484	<983.1182	D1		4	
☑	PCB-1221			<5064.5484	<1519.3645	D1		3	
☑	PCB-1232			<5064.5484	<1221.4499	D1		4	
☑	PCB-1242			<5064.5484	<1221.4499	D1		4	
☑	PCB-1248			<5064.5484	<983.1182	D1		4	
☑	PCB-1254			<5064.5484	<1310.8243	D1		4	
☑	PCB-1260	B	32957.41007	5064.5484	1161.867	D2	4.15	4	

Units: ug/kg

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

Valerie L. Tomaglio
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:27

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202633** ACF DF100 -114E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274A
Result file : 25PCBS17257004.100.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 89% (61-152) Conc.: 26.97406
%SSR(DCB) : 154% (48-164) Conc.: 41.53852

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**120.90**	
3.19	3.21	3.23	1732.076	92.69745			1
3.41	3.43	3.45	6085.636	323.898714			2
+ 3.41	3.44	3.45	4435.175	236.055439			2
3.52	3.54	3.56	16828.54	712.236714			3
3.74	3.76	3.78	38061.93	1286.131438			4
3.79	3.81	3.83	9175.367	353.897686			5
3.99	4.01	4.03	66179.98	3447.460781			6
Height Summation:			**138063.529**				
Amount Avg CF:			**1036.053797**	Linear:			
Aroclor-1221					**3**	**18.01**	
3.09	3.10	3.13	453.4885	47.370188			1
3.14	3.17	3.18	591.0313	66.624393			2
3.19	3.21	3.23	1732.076	65.341812			3
Height Summation:			**2776.5958**				
Amount Avg CF:			**59.778798**	Linear:			
Aroclor-1232					**6**	**128.90**	
3.19	3.21	3.23	1732.076	78.145196			1
3.40	3.43	3.44	6085.636	708.408589			2
+ 3.40	3.44	3.44	4435.175	516.283929			2
3.52	3.54	3.56	16828.54	1525.66969			3
3.73	3.76	3.77	38061.93	2778.045778			4
3.79	3.81	3.83	9175.367	806.17855			5
3.99	4.01	4.03	66179.98	8300.542762			6
Height Summation:			**138063.529**				
Amount Avg CF:			**2366.165094**	Linear:			
Aroclor-1242					**6**	**121.31**	
3.19	3.21	3.23	1732.076	65.841713			1
3.41	3.43	3.45	6085.636	239.640289			2
+ 3.41	3.44	3.45	4435.175	174.648404			2
3.52	3.54	3.56	16828.54	522.192977			3
3.74	3.76	3.78	38061.93	929.518806			4
3.80	3.81	3.84	9175.367	256.711757			5
3.99	4.01	4.03	66179.98	2527.597662			6
Height Summation:			**138063.529**				
Amount Avg CF:			**756.917201**	Linear:			
Aroclor-1248					**6**	**124.21**	
3.74	3.76	3.78	38061.93	3060.45271			1
3.80	3.81	3.84	9175.367	636.450098			2
3.86	3.88	3.90	115498.1	4851.389232			3
3.99	4.01	4.03	66179.98	2432.377627			4
4.08	4.10	4.12	55137.97	2284.38877			5
4.26	4.26	4.30	452031.5	18317.05904			6
Height Summation:			**736084.847**				
Amount Avg CF:			**5263.686246**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274B
Result file : 25PCBS17257004B.100.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 115% (61-152) Conc.: 34.89291
%SSR(DCB) : 141% (48-164) Conc.: 37.98092

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**112.02**	
2.91	2.94	2.95	67579.36	2274.421428			1
+ 3.11	3.12	3.15	2361.745	96.532364			2
3.11	3.13	3.15	8902.845	363.888852			2
+ 3.11	3.14	3.15	4919.734	201.085873			2
3.23	3.25	3.27	31818.38	903.535189			3
+ 3.43	3.43	3.47	52016.71	1411.238858			4
3.43	3.46	3.47	63304.93	1717.493804			4
3.50	3.52	3.54	17904.39	453.943279			5
3.54	3.56	3.58	170091.9	6353.894611			6
Height Summation:			**359601.805**				
Amount Avg CF:			**2011.196194**	Linear:			
Aroclor-1221					**2**	**43.87**	
2.85	2.86	2.89	8703.396	856.581028			2
2.91	2.94	2.95	67579.36	1626.938614			3
Height Summation:			**76282.756**				
Amount Avg CF:			**1241.759821**	Linear:			
Aroclor-1232					**6**	**139.03**	
2.91	2.94	2.95	67579.36	1956.681554			1
+ 3.11	3.12	3.15	2361.745	206.650417			2
3.11	3.13	3.15	8902.845	778.990378			2
+ 3.11	3.14	3.15	4919.734	430.471995			2
3.23	3.25	3.27	31818.38	1991.103187			3
+ 3.43	3.43	3.47	52016.71	3085.642022			4
3.43	3.46	3.47	63304.93	3755.261573			4
3.50	3.52	3.54	17904.39	1024.450186			5
3.53	3.56	3.57	170091.9	16352.763184			6
Height Summation:			**359601.805**				
Amount Avg CF:			**4309.87501**	Linear:			
Aroclor-1242					**6**	**116.14**	
2.91	2.94	2.95	67579.36	1669.081461			1
+ 3.11	3.12	3.15	2361.745	82.413942			2
3.11	3.13	3.15	8902.845	310.667979			2
+ 3.11	3.14	3.15	4919.734	171.675888			2
3.23	3.25	3.27	31818.38	668.73937			3
+ 3.43	3.43	3.47	52016.71	1042.13992			4
3.43	3.46	3.47	63304.93	1268.296182			4
3.50	3.52	3.54	17904.39	343.251178			5
3.54	3.56	3.58	170091.9	5085.645177			6
Height Summation:			**359601.805**				
Amount Avg CF:			**1557.613558**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202633** ACF DF100 -114E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274A
Result file : 25PCBS17257004.100.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	72.59	
4.24	4.26	4.28	452031.5	16917.506524			1
4.39	4.41	4.43	665491.2	14593.365894			2
4.65	4.66	4.68	698373.8	10996.773104			3
4.86	4.88	4.90	498827.5	10770.930824			4
5.06	5.08	5.10	882833.1	24468.870136			5
5.17	5.19	5.21	2613563	51975.200324			6
Height Summation:			**5811120.1**				
Amount Avg CF:			**21620.441134**	Linear:			
Aroclor-1260					6	9.79	
4.97	4.99	5.01	1982497	33792.714453			1
5.17	5.19	5.21	2613563	36042.359797			2
5.24	5.26	5.28	995114.8	28369.189492			3
5.40	5.42	5.44	1074164	28967.090658			4
5.64	5.66	5.68	3395151	32965.589438			5
5.84	5.86	5.88	1877171	29569.605396			6
Height Summation:			**11937660.8**				
Amount Avg CF:			**31617.758205**	Linear:			
Aroclor-1262					6	33.64	
5.25	5.26	5.29	995114.8	16973.03386			1
E 5.41	5.42	5.45	1074164	20730.687652			2
E 5.64	5.66	5.68	3395151	26053.95265			3
E 5.85	5.86	5.89	1877171	23953.814961			4
5.90	5.92	5.94	324229.7	8415.171717			5
6.27	6.28	6.31	777965.5	16504.936221			6
Height Summation:			**8443796**				
Amount Avg CF:			**18771.932843**	Linear:			
Aroclor-1268					6	96.37	
5.84	5.86	5.88	1877171	13213.08312			1
5.90	5.92	5.94	324229.7	2605.130613			2
6.03	6.05	6.07	19615.65	165.267674			3
+ 6.10	6.10	6.14	56180.75	1806.000105			4
6.10	6.13	6.14	315665.6	10147.463442			4
6.27	6.28	6.31	777965.5	14926.826725			5
6.47	6.49	6.51	144723	365.56008			6
Height Summation:			**3459370.45**				
Amount Avg CF:			**6903.888609**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274B
Result file : 25PCBS17257004B.100.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	95.46	
+ 3.43	3.43	3.47	52016.71	3518.624592			1
3.43	3.46	3.47	63304.93	4282.206304			1
3.50	3.52	3.54	17904.39	794.314045			2
3.54	3.56	3.58	170091.9	4506.238427			3
3.66	3.68	3.70	112223.5	2397.745842			4
3.75	3.77	3.79	85657.81	2675.254935			5
3.89	3.90	3.93	777368.1	13309.98179			6
Height Summation:			**1226550.63**				
Amount Avg CF:			**4660.956891**	Linear:			
Aroclor-1254					6	84.87	
+ 4.25	4.25	4.29	196464.7	2203.84965			1
4.25	4.27	4.29	889366	9976.494239			1
4.34	4.36	4.38	2190454	52302.334613			2
4.41	4.43	4.45	576803.3	9358.579908			3
4.48	4.49	4.51	2994052	81292.531549			4
4.63	4.65	4.67	472850.1	10919.603079			5
4.71	4.72	4.75	3229019	47103.043222			6
Height Summation:			**10352544.4**				
Amount Avg CF:			**35158.764435**	Linear:			
Aroclor-1260					6	13.14	
4.47	4.49	4.51	2994052	35773.597023			1
4.58	4.60	4.62	2011016	30291.82691			2
4.71	4.72	4.75	3229019	39902.4685			3
4.93	4.95	4.97	1534385	27627.420775			4
5.12	5.14	5.16	4252161	32555.712878			5
5.38	5.40	5.42	2867350	31593.434336			6
Height Summation:			**16887983**				
Amount Avg CF:			**32957.41007**	Linear:			
Aroclor-1262					6	32.23	
4.74	4.76	4.78	1166267	14339.91945			1
4.93	4.95	4.97	1534385	18906.711131			2
+ 4.93	4.97	4.97	320956.5	3954.830001			2
E 5.12	5.14	5.16	4252161	24757.422372			3
5.34	5.35	5.38	682380.7	10343.852899			4
E 5.38	5.40	5.42	2867350	24904.317917			5
5.76	5.77	5.80	999198.2	15703.364481			6
Height Summation:			**11501741.9**				
Amount Avg CF:			**18159.264708**	Linear:			
Aroclor-1268					6	127.16	
5.33	5.35	5.37	682380.7	3550.846778			1
5.38	5.40	5.42	2867350	15205.515261			2
5.53	5.55	5.57	42660.46	269.940507			3
5.60	5.64	5.64	6639	160.976242			4
5.75	5.77	5.79	999198.2	14011.290865			5
5.95	5.97	5.99	206556.9	350.422091			6
Height Summation:			**4804785.26**				
Amount Avg CF:			**5591.498624**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202633 ACF DF100 -114E Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.07 g Total Volume: 1000 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274A
Result file : 25PCBS17257004.100.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 12:34:23
Instrument : CP25--18274B
Result file : 25PCBS17257004B.100.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			5064.5484	983.1182		** 64.00	4	40	
Aroclor-1221			5064.5484	1519.3645		** 181.63	3	5	
Aroclor-1232			5064.5484	1221.4499		** 58.23	4	10	
Aroclor-1242			5064.5484	1221.4499		** 69.19	4	30	
Aroclor-1248			5064.5484	983.1182		12.15	4	40	
Aroclor-1254			5064.5484	1310.8243		** 47.69	4	40	
Aroclor-1260			5064.5484	1161.867		4.15	4	40	
Aroclor-1262			5064.5484	983.1182	E	3.32	4	40	
Aroclor-1268			5064.5484	983.1182		21.01	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:34:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.100.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.021		2089	1490
2.038		2205	2382
2.056		1996	1477
2.077		6588	5501
2.102		5209	5802
2.143		1404	821
2.183		1806	1897
2.233		4789	3108
2.256		1677	2011
2.309		990	999
2.327		753	416
2.345		1181	505
2.365		1206	757
2.396		618	418
2.421		1481	2294
2.484		933	640
2.513		2297	3114
2.574		840	1353
2.621		756	490
2.665		3519	2126
2.681		7287	4245
2.782		1272	1495
2.799		786	420
2.835		1380	952
2.857		589	457
2.92		1836	2715
2.959	TCX	30876	20981
3.033		983	2413
3.1		453	391
3.168		591	325
3.209		1732	1437
3.28		35051	25593
3.37		330	325
3.425		6086	3698
3.442		4435	2571
3.479		1054	606
3.518		915	995
3.541		16829	12070
3.584		450	403
3.61		2227	1829
3.65		1745	1196
3.666		1113	516
3.729		35828	57834
3.764		38062	32274
3.815		9175	7228
3.855		6434	4720
3.884		115498	85830
3.911		95735	66119
3.934		131710	91738
3.983		824	447
4.008		66180	47935
4.032		20653	13409
4.064		32949	25114
4.098		55138	50328

RT A	Compound A	Height A	Area A
4.143		17452	15608
4.172		9216	8050
4.223		16038	12482
4.258		452032	467442
4.302		148925	130282
4.371		139523	117274
4.413		665491	649307
4.447		211510	184505
4.488		25830	18616
4.51		20075	14063
4.552		127222	118577
4.602		158449	107488
4.619		114896	108573
4.663		698374	636011
4.714		557770	615524
4.749		119448	83515
4.789		1399760	1318089
4.835		44187	37431
4.875		498828	499432
4.908		10416	6055
4.936		315875	310300
4.988		1982497	2491605
5.04		288905	268953
5.078		882833	995724
5.122		28702	16612
5.158		174505	212721
5.192		2613563	2675024
5.234		23266	10149
5.259		995115	917247
5.301		671840	659863
5.344		1479	788
5.396		334878	267096
5.421		1074164	939425
5.477		594772	571183
5.516		370809	361369
5.558		50558	54188
5.597		396486	455348
5.655		3395151	3385092
5.752		687	734
5.78		430	280
5.809		877	793
5.86		1877171	1824314
5.89		116399	79769
5.915		324230	358222
6.026		9740	7607
6.051		19616	16312
6.101		56181	44474
6.13		315666	302941
6.194		1698	1863
6.285		777966	765390
6.33		54600	50392
6.386		471	912
6.419		507	625
6.445		678	555
6.488		144723	150548
6.543		865	568
6.636	DCB	44543	56944
6.697		6178	6272
6.736		610	347
6.745		753	183
6.761		657	379
6.779		444	146
6.809		713	654
6.832		314	429
6.854		829	860
6.881		13563	13998

RT A	Compound A	Height A	Area A
6.917		3565	3949
6.967		468	170

LANCASTER LABORATORIES

Sample Number: 9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:34:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.100.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

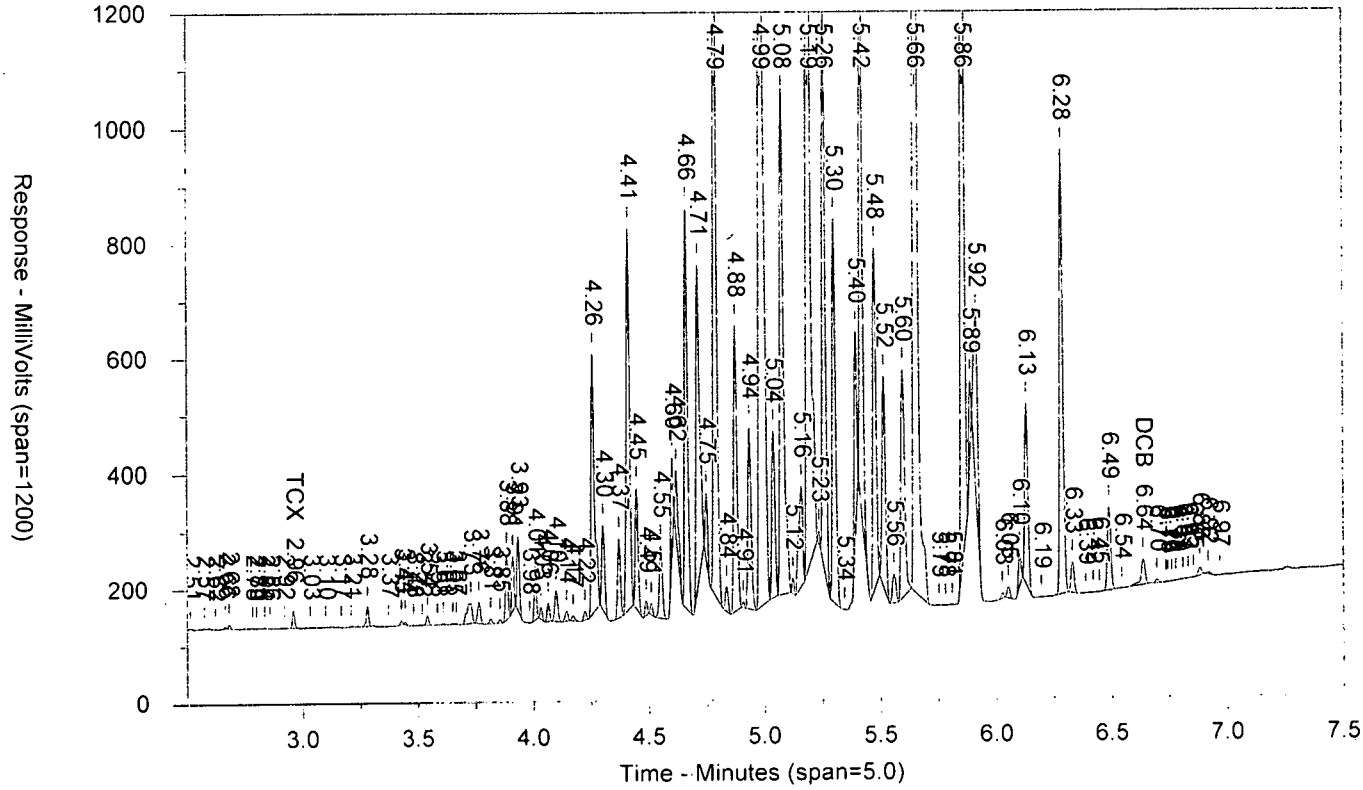
RT B	Compound B	Height B	Area B
2.012		21973	20322
2.033		20355	16739
2.054		6726	2806
2.077		15837	15037
2.097		18164	12051
2.129		24652	42234
2.195		12087	12310
2.216		9183	5165
2.238		10610	7805
2.258		11945	6148
2.287		10740	12683
2.319		8645	9745
2.336		9613	18688
2.393		15764	11086
2.411		8925	20048
2.473		7651	3875
2.489		10322	6591
2.517		15141	16505
2.566		18516	22976
2.593		6916	5427
2.623		4842	3283
2.643	TCX	62807	36331
2.671		7341	9424
2.703		9033	4182
2.732		9461	10675
2.756		4466	2888
2.788		5741	12444
2.836		7409	4056
2.862		8703	11951
2.897		4188	2033
2.938		67579	53112
2.979		6937	3986
3.001		3436	1629
3.017		8113	13478
3.067		2058	1155
3.103		5842	7873
3.119		2362	824
3.133		8903	4102
3.144		4920	2094
3.165		2859	2520
3.188		1753	1287
3.206		1377	434
3.219		3158	1720
3.253		31818	34033
3.291		9496	6295
3.314		2955	2531
3.337		8083	7640
3.381		4857	3658
3.402		7458	3789
3.413		37627	17831
3.432		52017	32267
3.462		63305	45559
3.521		17904	17350
3.555		170092	102733

RT B	Compound B	Height B	Area B
3.578		161367	88821
3.597		212390	125684
3.682		112224	74682
3.705		37303	21023
3.727		61088	51020
3.771		85658	66936
3.811		20060	13459
3.854		15887	12271
3.883		34462	18761
3.904		777368	515358
3.93		113845	65955
3.95		126024	70280
3.968		172664	106042
4.004		969958	702214
4.035		344795	319477
4.075		45235	31453
4.115		50561	47616
4.149		186123	161245
4.206		395642	295913
4.248		196465	154041
4.267		889366	1101880
4.305		349393	350119
4.357		2190454	1695675
4.395		72151	73857
4.427		576803	392176
4.452		536209	387582
4.494		2994052	2322380
4.597		2011016	1886216
4.648		472850	419385
4.688		587385	520635
4.724		3229019	2611270
4.757		1166267	810924
4.795		893317	722727
4.865		6800	7038
4.894		280216	327079
4.946		1534385	1198202
4.97		320957	218497
5.019		874330	800427
5.056		451328	365500
5.084		324640	260405
5.116		164524	100543
5.138		4252161	3486626
5.179		95269	73168
5.211		120815	98508
5.329		39662	24407
5.352		682381	555645
5.396		2867351	2896166
5.55		42660	37820
5.595		104582	109219
5.64		6639	3453
5.668		445166	377605
5.773		999198	854842
5.804		69548	51834
5.971		206557	179749
6.08		1705	1736
6.13	DCB	57751	48026
6.164		3252	4079
6.258		8227	21862
6.305		7374	4894
6.334		14022	13174
6.439		3494	5125
6.467		2216	1730
6.491		2945	3580
6.574		23895	23971
6.706		2759	7286
6.845		1288	3151

RT B	Compound B	Height B	Area B
6.96		1335	4733

9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082

\\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.100.RAW



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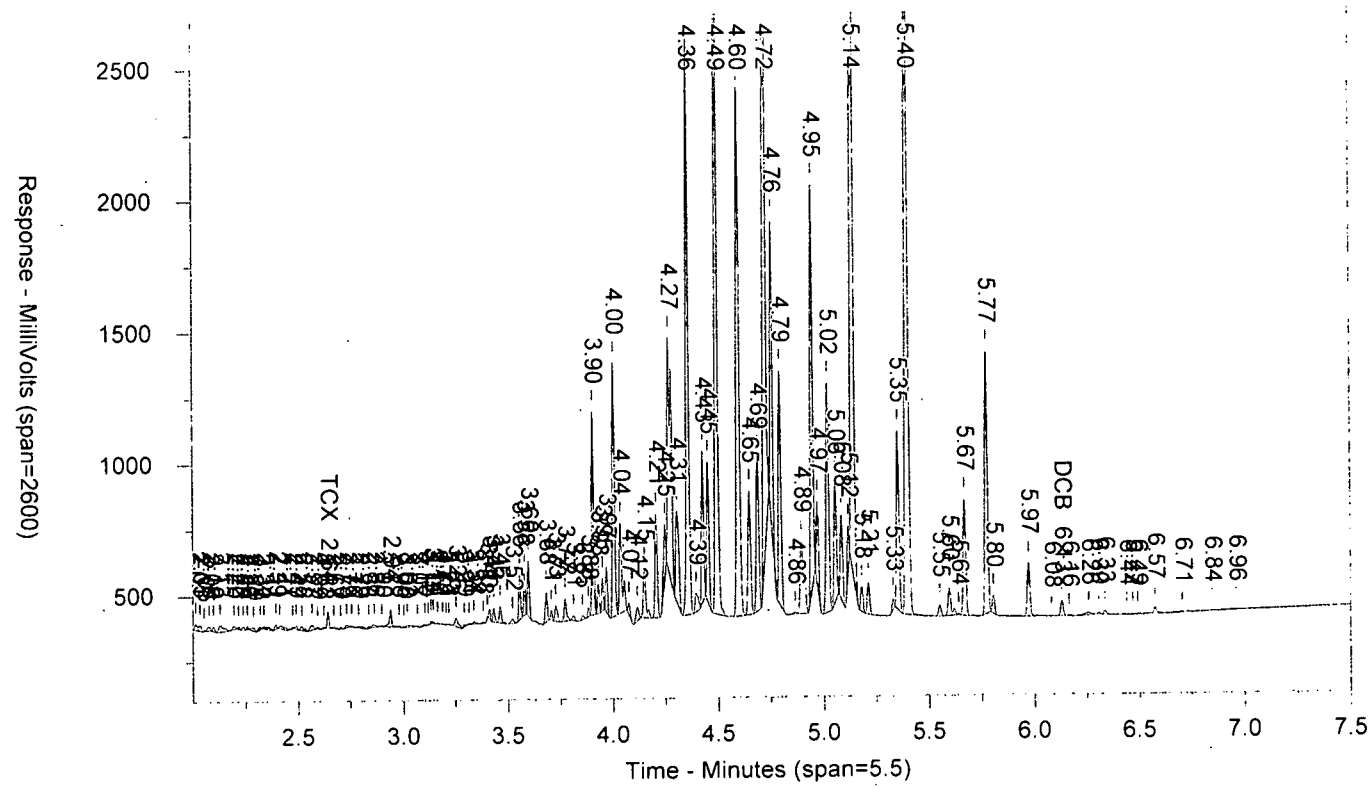

LANCASTER LABORATORIES

Sample Number: 9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:34:23 PM Sample Weight: 10.07
Instrument ID: CP25-18274 Dilution Factor: 1000
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	30876	26.974	TCX	2.643	62807	34.893	TCX
6.636	44543	41.539	DCB	6.13	57751	37.981	DCB

Files:
Area File: 25PCBS17257004.100.RAW
Area File: 25PCBS17257004B.100.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 12:42:54 PM
File Reported On: 9/18/2017 at 12:43:07 PM

9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082

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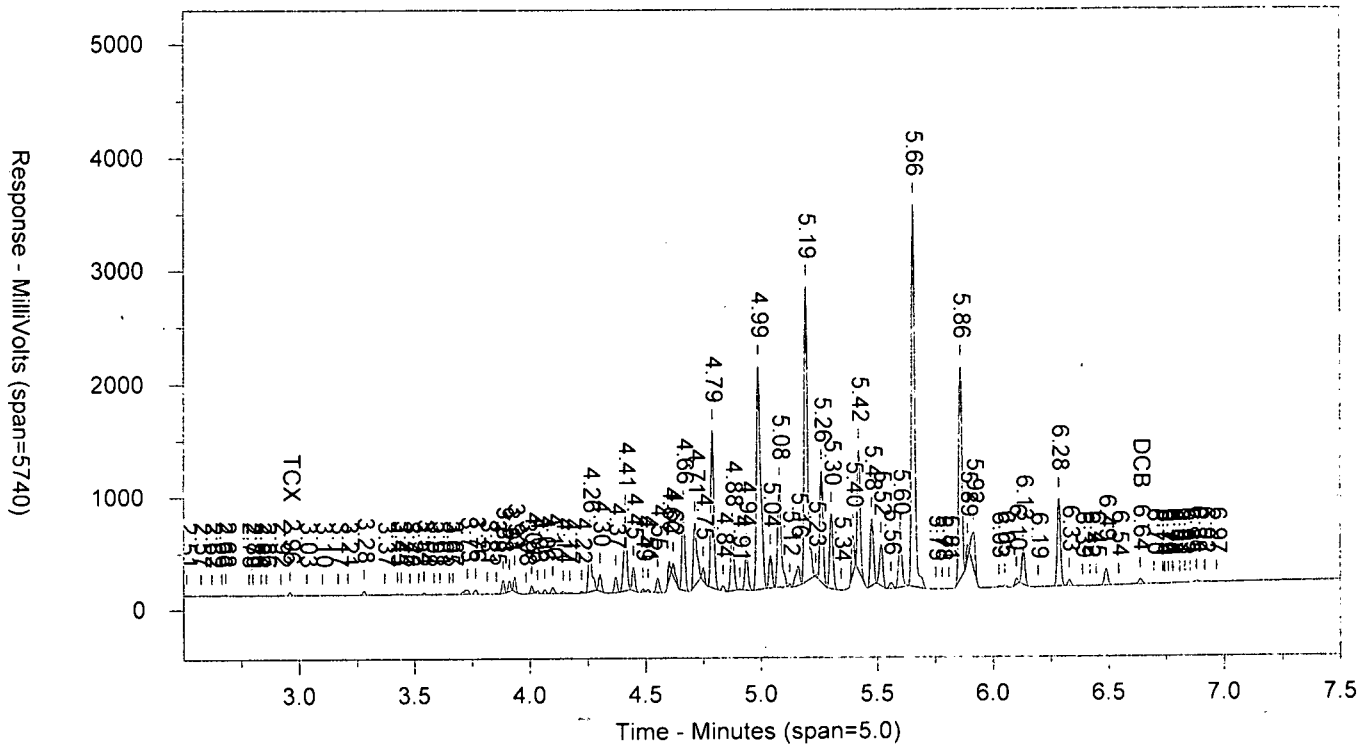

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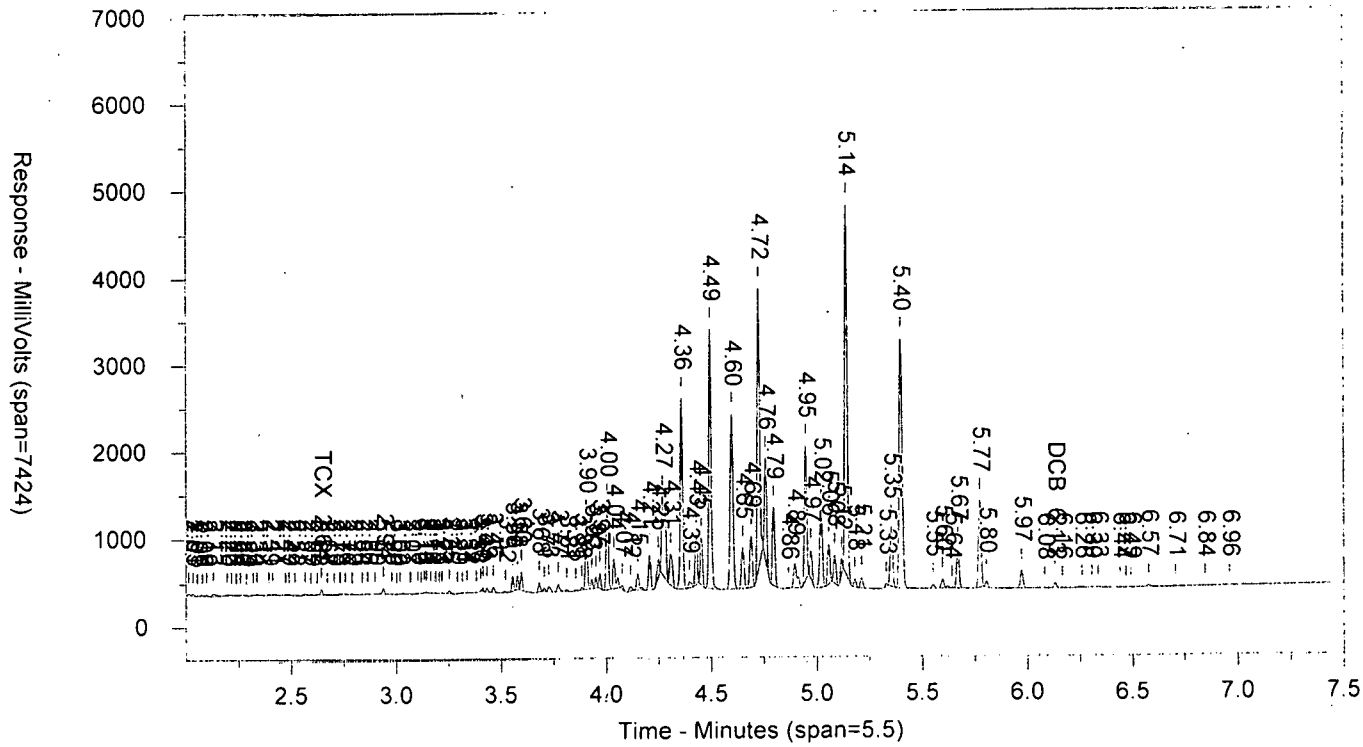

9202633 ACF DF100 AC-114E T 172560011A 10225 SW-846 8082

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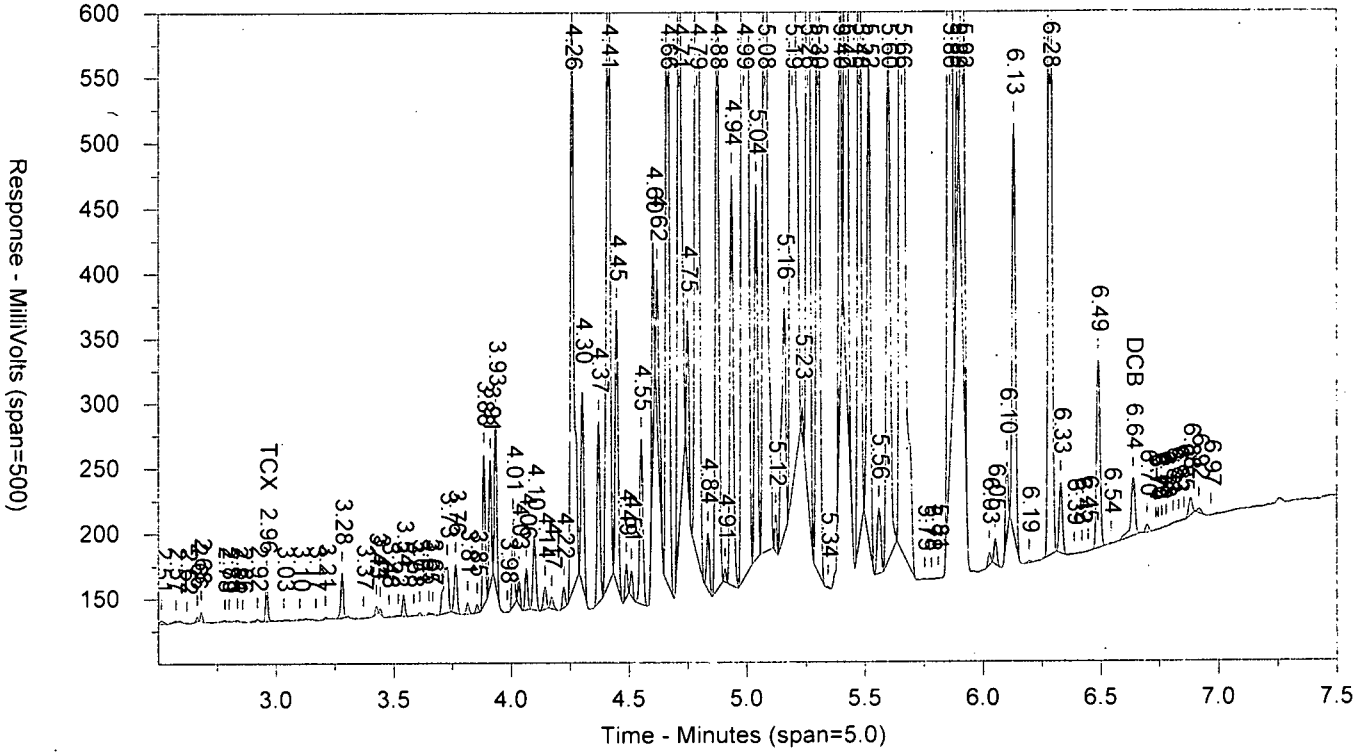

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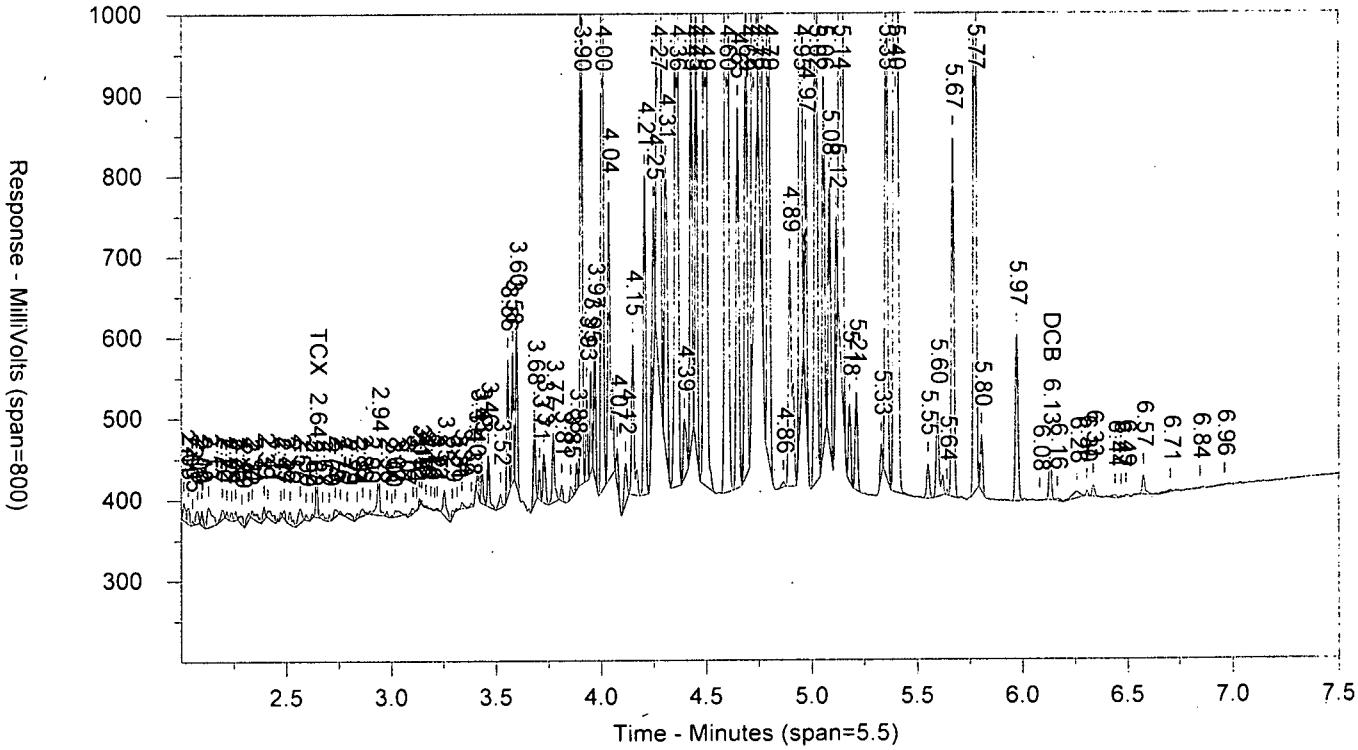

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Data Summary

Sample Name: 9202634 ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:45:42
Instrument	18274A
Result file	25PCBS17257004.101.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) * 60% (61 - 152) Conc: 17.75526
%SSR(DCB) 78% (48 - 164) Conc: 20.73223

Analysis Report (B)

Injected on	Sep 18, 2017 12:45:42
Instrument	18274B
Result file	25PCBS17257004B.101.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 68% (61 - 152) Conc: 20.09321
%SSR(DCB) 80% (48 - 164) Conc: 21.18009

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	103635	17.75526
Decachlorobiphenyl	6.61	6.64	6.67	113367	20.73223

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	184429	20.09321
Decachlorobiphenyl	6.10	6.13	6.16	164224	21.18009

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	20.09321				12.35	
☑	Tetrachloro-m-xylene-D1	A	17.75526					
☑	Tetrachloro-m-xylene-D2	B	20.09321					
☐	Decachlorobiphenyl	B	21.18009				2.14	
☑	Decachlorobiphenyl-D1	A	20.73223					
☑	Decachlorobiphenyl-D2	B	21.18009					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**9.41**	
4.24	4.26	4.28	456759	3352.307038			1
4.39	4.41	4.43	646580.6	2780.512469			2
4.65	4.66	4.68	1025207	3165.759448			3
Height summation:			**2128546.6**				
Concentration		CF:	**3099.526318**	L:			
Aroclor-1260						**8.17**	
5.40	5.42	5.44	594733.4	3145.180953			4
5.64	5.66	5.68	1934798	3684.05753			5
5.84	5.86	5.88	1154366	3565.941729			6
Height summation:			**3683897.4**				
Concentration		CF:	**3465.060071**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254						**47.50**	
4.25	4.27	4.29	1387447	3052.12881			1
4.34	4.36	4.38	1367620	6403.853726			2
4.41	4.43	4.45	927689.7	2951.711952			3
Height summation:			**3682756.7**				
Concentration		CF:	**4135.898163**	L:			
Aroclor-1260						**10.92**	
4.93	4.95	4.97	876302.2	3094.203853			4
5.12	5.14	5.16	2520040	3783.67623			5
5.38	5.40	5.42	1731804	3742.000931			6
Height summation:			**5128146.2**				
Concentration		CF:	**3539.960338**	L:			

Valerie L. Tomaylor
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:30

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Data Summary

Sample Name: 9202634 ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:45:42
Instrument	18274A
Result file	25PCBS17257004.101.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 12:45:42
Instrument	18274B
Result file	25PCBS17257004B.101.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑ PCB-1016			<993.184	<192.7945	D1		4	
☑ PCB-1221			<993.184	<297.9552	D1		3	
☑ PCB-1232			<993.184	<239.5326	D1		4	
☑ PCB-1242			<993.184	<239.5326	D1		4	
☑ PCB-1248			<993.184	<192.7945	D1		4	
☑ PCB-1254	B	4135.898163	993.184	257.0594	D2	28.65	4	
☑ PCB-1260	B	3539.960338	993.184	227.8481	D2	2.14	4	

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:30

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202634 ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:45:42
Instrument : CP25--18274A
Result file : 25PCBS17257004.101.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *60% (61-152) Conc.: 17.75526
%SSR(DCB) : 78% (48-164) Conc.: 20.73223

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**157.66**	
+ 3.19	3.19	3.23	361.6016	3.795074			1
3.19	3.21	3.23	1113.503	11.686414			1
3.41	3.41	3.45	3610.324	37.682391			2
+ 3.41	3.44	3.45	1503.765	15.695395			2
3.52	3.54	3.56	10690.49	88.728788			3
3.74	3.77	3.78	15164.05	100.484431			4
3.79	3.81	3.83	11549.48	87.358614			5
3.99	4.01	4.03	74139.12	757.371838			6
Height Summation:			**116266.967**				
Amount Avg CF:			**180.552079**	Linear:			
Aroclor-1221					**2**	**16.50**	
3.09	3.11	3.13	508.3725	10.413816			1
+ 3.09	3.12	3.13	434.9117	8.909			1
+ 3.19	3.19	3.23	361.6016	2.675122			3
3.19	3.21	3.23	1113.503	8.237675			3
Height Summation:			**1621.8755**				
Amount Avg CF:			**9.325745**	Linear:			
Aroclor-1232					**6**	**164.66**	
+ 3.19	3.19	3.23	361.6016	3.199298			1
3.19	3.21	3.23	1113.503	9.851804			1
3.40	3.41	3.44	3610.324	82.416287			2
+ 3.40	3.44	3.44	1503.765	34.327869			2
3.52	3.54	3.56	10690.49	190.064371			3
3.73	3.77	3.77	15164.05	217.046518			4
3.79	3.81	3.83	11549.48	199.002828			5
3.99	4.01	4.03	74139.12	1823.544262			6
Height Summation:			**116266.967**				
Amount Avg CF:			**420.321012**	Linear:			
Aroclor-1242					**6**	**158.10**	
3.19	3.21	3.23	1113.503	8.300698			1
3.41	3.41	3.45	3610.324	27.879762			2
+ 3.41	3.44	3.45	1503.765	11.612423			2
3.52	3.54	3.56	10690.49	65.053583			3
3.74	3.77	3.78	15164.05	72.622569			4
3.80	3.81	3.84	11549.48	63.36855			5
3.99	4.01	4.03	74139.12	555.287328			6
Height Summation:			**116266.967**				
Amount Avg CF:			**132.085415**	Linear:			
Aroclor-1248					**6**	**121.69**	
3.74	3.77	3.78	15164.05	239.110748			1
3.80	3.81	3.84	11549.48	157.105854			2
3.86	3.88	3.90	140783.8	1159.666165			3
3.99	4.01	4.03	74139.12	534.368461			4
4.08	4.10	4.12	87257.95	708.946189			5
4.26	4.26	4.30	456759	3629.6369			6
Height Summation:			**785653.4**				
Amount Avg CF:			**1071.472386**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:45:42
Instrument : CP25--18274B
Result file : 25PCBS17257004B.101.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 68% (61-152) Conc.: 20.09321
%SSR(DCB) : 80% (48-164) Conc.: 21.18009

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**148.16**	
3.11	3.12	3.15	1797.459	14.407478			2
+ 3.11	3.13	3.15	1795.965	14.395503			2
+ 3.11	3.14	3.15	1700.63	13.631348			2
3.23	3.25	3.27	32094.65	178.726386			3
3.43	3.43	3.47	53870.96	286.616629			4
+ 3.43	3.46	3.47	25350.98	134.878094			4
3.50	3.52	3.54	19756.32	98.228415			5
3.54	3.55	3.58	205968.5	1508.850473			6
Height Summation:			**313487.889**				
Amount Avg CF:			**417.365876**	Linear:			
Aroclor-1221					**1**		
2.85	2.86	2.89	5436.564	104.928444			2
Height Summation:			**5436.564**				
Amount Avg CF:			**104.928444**	Linear:			
Aroclor-1232					**5**	**156.06**	
3.11	3.12	3.15	1797.459	30.842622			2
+ 3.11	3.13	3.15	1795.965	30.816987			2
+ 3.11	3.14	3.15	1700.63	29.181132			2
3.23	3.25	3.27	32094.65	393.855913			3
3.43	3.43	3.47	53870.96	626.680813			4
+ 3.43	3.46	3.47	25350.98	294.90792			4
3.50	3.52	3.54	19756.32	221.679938			5
3.53	3.55	3.57	205968.5	3883.26782			6
Height Summation:			**313487.889**				
Amount Avg CF:			**1031.265421**	Linear:			
Aroclor-1242					**5**	**151.82**	
3.11	3.12	3.15	1797.459	12.3003			2
+ 3.11	3.13	3.15	1795.965	12.290076			2
+ 3.11	3.14	3.15	1700.63	11.637683			2
3.23	3.25	3.27	32094.65	132.281921			3
3.43	3.43	3.47	53870.96	211.654199			4
+ 3.43	3.46	3.47	25350.98	99.60174			4
3.50	3.52	3.54	19756.32	74.275842			5
3.54	3.55	3.58	205968.5	1207.681053			6
Height Summation:			**313487.889**				
Amount Avg CF:			**327.638663**	Linear:			
Aroclor-1248					**6**	**79.56**	
3.43	3.43	3.47	53870.96	714.617737			1
+ 3.43	3.46	3.47	25350.98	336.289904			1
3.50	3.52	3.54	19756.32	171.880966			2
3.54	3.55	3.58	205968.5	1070.090142			3
3.66	3.68	3.70	129070.5	540.798343			4
3.75	3.77	3.79	128650.8	787.951925			5
3.89	3.90	3.93	693871.4	2329.800617			6
Height Summation:			**1231188.48**				
Amount Avg CF:			**935.856622**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202634** ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:45:42
Instrument : CP25--18274A
Result file : 25PCBS17257004.101.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	41.22	
4.24	4.26	4.28	456759	3352.307038			1
4.39	4.41	4.43	646580.6	2780.512469			2
4.65	4.66	4.68	1025207	3165.759448			3
4.86	4.88	4.90	740957	3137.508252			4
5.06	5.08	5.10	548454.8	2981.021941			5
5.17	5.19	5.21	1741269	6790.75543			6
Height Summation:			**5159227.4**				
Amount Avg CF:			**3701.310763**	Linear:			
Aroclor-1260					6	15.76	
4.97	4.99	5.01	1198950	4007.750107			1
5.17	5.19	5.21	1741269	4709.069883			2
5.24	5.26	5.28	568027	3175.643519			3
5.40	5.42	5.44	594733.4	3145.180953			4
5.64	5.66	5.68	1934798	3684.05753			5
5.84	5.86	5.88	1154366	3565.941729			6
Height Summation:			**7192143.4**				
Amount Avg CF:			**3714.607287**	Linear:			
Aroclor-1262					6	31.10	
5.25	5.26	5.29	568027	1899.959285			1
5.41	5.42	5.45	594733.4	2250.89101			2
5.64	5.66	5.68	1934798	2911.65006			3
5.85	5.86	5.89	1154366	2888.7064			4
5.90	5.92	5.94	217003.8	1104.502109			5
6.27	6.28	6.31	488077.9	2030.634117			6
Height Summation:			**4957006.1**				
Amount Avg CF:			**2181.057163**	Linear:			
Aroclor-1268					6	94.28	
5.84	5.86	5.88	1154366	1593.429599			1
5.90	5.92	5.94	217003.8	341.926743			2
6.03	6.05	6.07	13981.61	23.101034			3
+ 6.10	6.10	6.14	35503.16	223.813496			4
6.10	6.13	6.14	237046	1494.348502			4
6.27	6.28	6.31	488077.9	1836.476264			5
6.47	6.49	6.51	96699.41	47.899839			6
Height Summation:			**2207174.72**				
Amount Avg CF:			**889.53033**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:45:42
Instrument : CP25--18274B
Result file : 25PCBS17257004B.101.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	55.39	
+ 4.25	4.25	4.29	95296.92	209.635737			1
4.25	4.27	4.29	1387447	3052.12881			1
4.34	4.36	4.38	1367620	6403.853726			2
4.41	4.43	4.45	927689.7	2951.711952			3
4.48	4.49	4.51	1731305	9218.365326			4
4.63	4.65	4.67	449857.7	2037.265113			5
4.71	4.72	4.75	2117753	6058.187278			6
Height Summation:			**7981672.4**				
Amount Avg CF:			**4953.585367**	Linear:			
Aroclor-1260					6	18.40	
4.47	4.49	4.51	1731305	4056.634479			1
4.58	4.60	4.62	1134448	3351.070441			2
4.71	4.72	4.75	2117753	5132.080869			3
4.93	4.95	4.97	876302.2	3094.203853			4
5.12	5.14	5.16	2520040	3783.67623			5
5.38	5.40	5.42	1731804	3742.000931			6
Height Summation:			**10111652.2**				
Amount Avg CF:			**3859.944467**	Linear:			
Aroclor-1262					6	31.55	
4.74	4.76	4.78	685418.8	1652.698982			1
4.93	4.95	4.97	876302.2	2117.505608			2
+ 4.93	4.97	4.97	350717.7	847.477841			2
5.12	5.14	5.16	2520040	2877.346624			3
5.34	5.35	5.38	416717.4	1238.757389			4
5.38	5.40	5.42	1731804	2949.726194			5
5.76	5.77	5.80	644752.4	1987.115258			6
Height Summation:			**6875034.8**				
Amount Avg CF:			**2137.191676**	Linear:			
Aroclor-1268					5	108.66	
5.33	5.35	5.37	416717.4	425.241709			1
5.38	5.40	5.42	1731804	1800.977116			2
5.53	5.55	5.57	49891.79	61.909976			3
5.75	5.77	5.79	644752.4	1772.999021			5
5.95	5.97	5.99	151533.9	50.413934			6
Height Summation:			**2994699.49**				
Amount Avg CF:			**822.308351**	Linear:			

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			993.184	192.7945		** 79.21	4	40	
Aroclor-1221			993.184	297.9552		** 167.35	3	5	
Aroclor-1232			993.184	239.5326		** 84.18	4	10	
Aroclor-1242			993.184	239.5326		** 85.07	4	30	
Aroclor-1248			993.184	192.7945		13.51	4	40	
Aroclor-1254			993.184	257.0594		28.94	4	40	
Aroclor-1260			993.184	227.8481		3.84	4	40	
Aroclor-1262			993.184	192.7945		2.03	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202634 ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 12:45:42
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.101.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 12:45:42
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.101.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			993.184	192.7945		7.85	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:45:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.101.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.016		691	360
2.04		1015	1016
2.076		6206	6938
2.102		5286	6682
2.141		772	401
2.165		5368	4695
2.233		18806	14504
2.312		1155	1423
2.359		3284	3156
2.397		732	678
2.422		1237	1500
2.482		518	301
2.513		2240	3012
2.569		1331	1074
2.638		268	409
2.664		2403	1175
2.681		13191	8307
2.742		896	1804
2.764		698	375
2.782		1331	1169
2.834		1319	803
2.908		682	395
2.919		880	623
2.959	TCX	103635	69084
3.017		621	488
3.037		526	550
3.065		1617	1037
3.105		508	466
3.124		435	236
3.189		362	194
3.209		1114	840
3.262		15533	9343
3.279		12979	6925
3.411		3610	3704
3.442		1504	845
3.48		1154	785
3.512		1309	1068
3.542		10690	7550
3.616		1707	1410
3.643		3477	2619
3.665		1252	709
3.729		39779	49203
3.766		15164	11895
3.815		11549	8578
3.856		13088	9490
3.884		140784	105037
3.911		158389	110682
3.934		130395	93221
4.008		74139	53402
4.033		73986	53319
4.064		88408	66923
4.097		87258	76636
4.14		15986	16158
4.172		4954	3351

RT A	Compound A	Height A	Area A
4.19		2299	1162
4.224		28352	21990
4.259		456759	434312
4.301		344871	319740
4.371		162685	141726
4.413		646581	680184
4.447		373931	325358
4.488		51431	36223
4.51		53401	36774
4.552		198307	192406
4.602		121874	92321
4.62		65818	81635
4.663		1025207	927420
4.714		305098	357384
4.748		63137	39875
4.789		874598	849119
4.835		100113	88145
4.875		740957	731548
4.908		7252	3889
4.936		245293	255115
4.988		1198950	1558501
5.04		160819	145553
5.078		548455	621535
5.122		53548	36626
5.158		145797	180441
5.192		1741269	1790393
5.234		27596	13526
5.26		568027	535948
5.301		386924	387425
5.372		4517	3259
5.397		268713	217638
5.421		594733	520440
5.477		377852	351318
5.515		239513	226048
5.558		24073	24834
5.597		280006	288946
5.63		10509	5796
5.656		1934798	1935260
5.757		8892	14578
5.803		2578	3030
5.86		1154366	1134620
5.891		79866	53548
5.915		217004	234736
5.961		847	757
6.025		18808	15162
6.052		13982	11508
6.101		35503	26809
6.131		237046	227584
6.164		1578	1109
6.194		8567	7300
6.234		766	481
6.259		7012	5323
6.285		488078	488066
6.331		39124	38837
6.389		430	765
6.404		2320	2162
6.489		96699	90415
6.513		6008	3618
6.613		3677	4310
6.638	DCB	113367	116574
6.673		6923	5173
6.704		1601	1377
6.774		391	395
6.8		1228	1219
6.825		378	250
6.839		682	216

RT A	Compound A	Height A	Area A
6.882		47132	53420
6.98		525	763
6.995		988	501

LANCASTER LABORATORIES

Sample Number: 9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:45:42 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.101.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		16892	27912
2.052		5626	2954
2.074		8818	9634
2.094		9097	7045
2.13		13007	26674
2.194		4905	5395
2.236		5041	3766
2.257		5614	3147
2.276		3677	6026
2.317		3733	4356
2.336		8009	8064
2.372		3950	3791
2.392		26346	16074
2.422		9937	12851
2.457		5026	3963
2.475		1918	1397
2.487		3678	2552
2.514		6937	7319
2.564		7238	9360
2.595		2880	1997
2.619		3095	1886
2.642	TCX	184429	110786
2.671		12760	16673
2.701		7016	3553
2.731		11430	22633
2.786		5889	12870
2.836		4407	2827
2.86		5437	6385
2.896		2285	992
2.948		38324	47290
2.979		4542	4689
3.015		3490	1622
3.038		2691	3157
3.072		1737	555
3.079		485	74
3.096		3658	3956
3.118		1797	621
3.133		1796	1117
3.142		1701	784
3.163		1567	879
3.19		3818	2703
3.206		2437	1006
3.252		32095	47517
3.297		9850	10640
3.354		3489	6620
3.382		6706	4304
3.412		47248	25442
3.432		53871	32669
3.462		25351	18184
3.52		19756	14916
3.555		205969	129524
3.578		247529	138896
3.596		226483	131128
3.682		129071	83704

RT B	Compound B	Height B	Area B
3.705		112371	62600
3.726		131197	92743
3.772		128651	93531
3.813		28431	23192
3.853		26657	24488
3.883		76697	45266
3.905		693871	466819
3.93		388374	234718
3.95		144319	79219
3.969		208423	127326
4.004		971013	683807
4.035		628154	767039
4.115		123601	103625
4.149		314437	256059
4.206		318711	231847
4.248		95297	103240
4.267		1387447	1250627
4.305		236449	218487
4.358		1367620	1122607
4.395		152129	130585
4.428		927690	661592
4.451		432974	289660
4.494		1731305	1428601
4.565		5372	5010
4.597		1134448	1155866
4.647		449858	374969
4.688		462199	405946
4.724		2117753	1799994
4.757		685419	467652
4.795		508616	403097
4.866		13338	19676
4.894		169853	225199
4.946		876302	698370
4.97		350718	245941
5.02		575797	531339
5.055		287258	225808
5.084		211347	166716
5.116		183349	116264
5.138		2520040	2037026
5.18		57094	40922
5.212		78562	66690
5.251		2800	1906
5.274		6069	4334
5.309		3986	2750
5.329		20768	12593
5.353		416717	363382
5.396		1731804	1766300
5.496		2621	2981
5.55		49892	43108
5.595		67584	66236
5.64		51172	36681
5.667		282650	234011
5.71		5168	5279
5.747		15933	10853
5.773		644752	563111
5.805		46705	34454
5.881		1984	4225
5.971		151534	133539
6.027		3004	2686
6.131	DCB	164224	154643
6.167		12958	10709
6.258		8533	18873
6.336		35100	30451
6.372		4218	3044
6.398		4368	3370
6.434		3263	4042

RT B	Compound B	Height B	Area B
6.504		2170	1762
6.575		86099	99113
6.653		3668	3957
6.698		1516	1494
6.808		2216	1975
6.972		1808	4686

9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082

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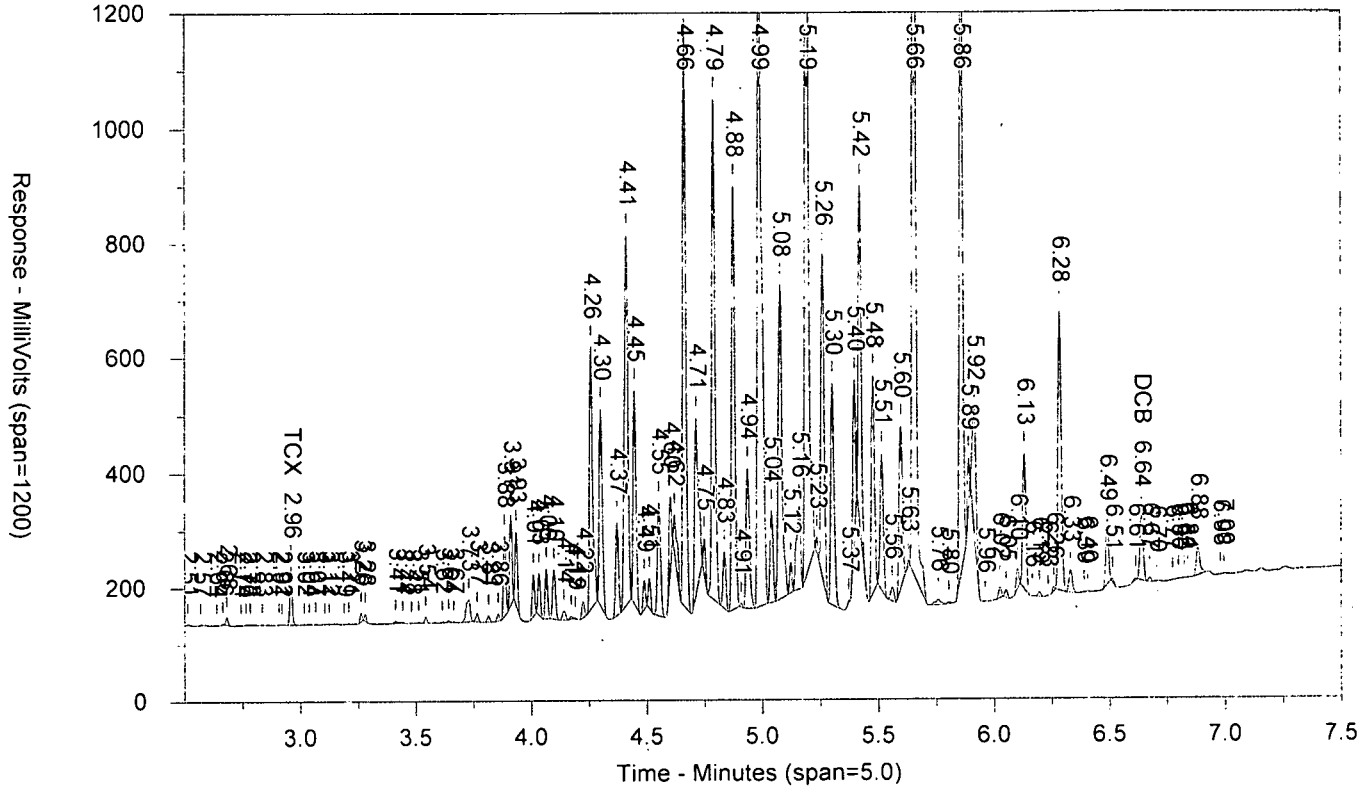

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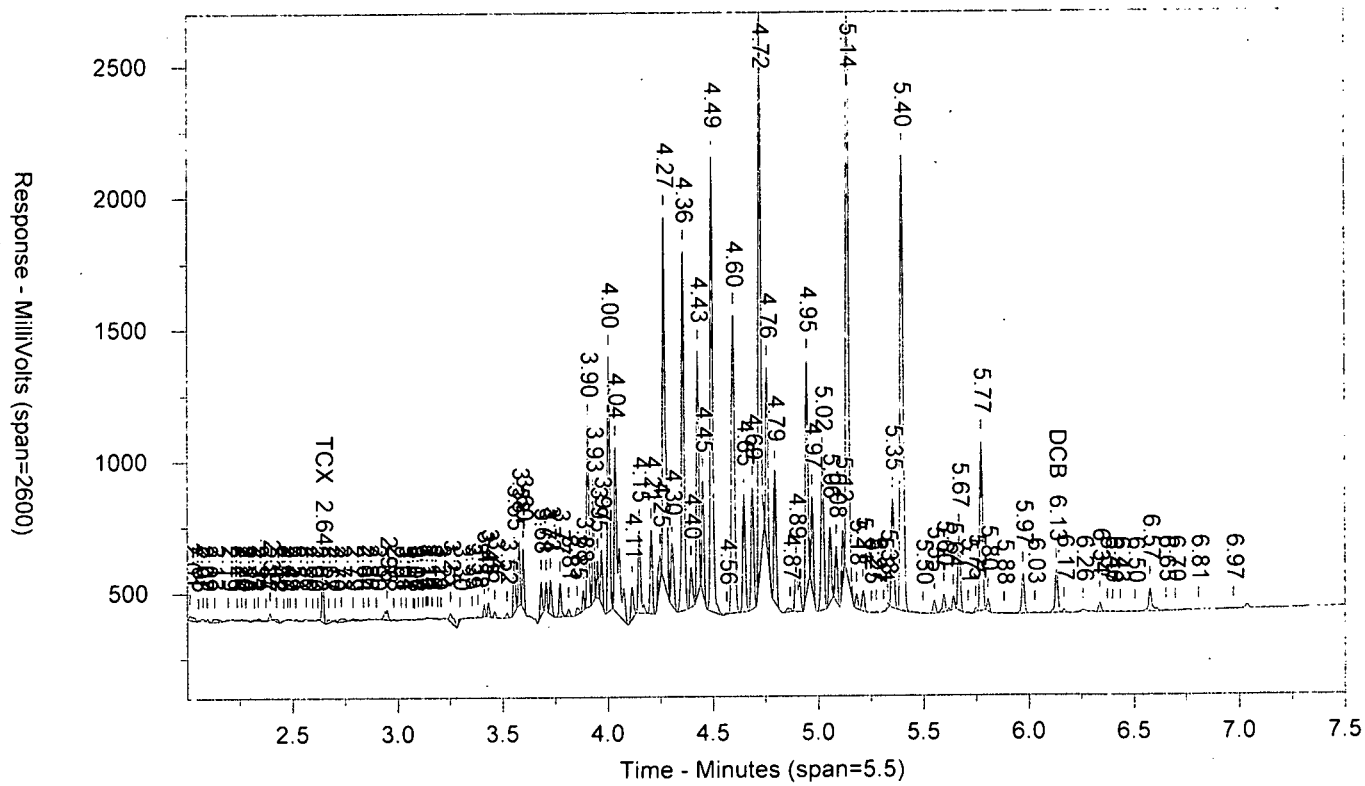

LANCASTER LABORATORIES

Sample Number: 9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:45:42 PM Sample Weight: 10.27
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	103635	17.755	TCX	2.642	184429	20.093	TCX
6.638	113367	20.732	DCB	6.131	164224	21.18	DCB

Files:
Area File: 25PCBS17257004.101.RAW
Area File: 25PCBS17257004B.101.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 12:54:14 PM
File Reported On: 9/18/2017 at 12:54:24 PM

9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082

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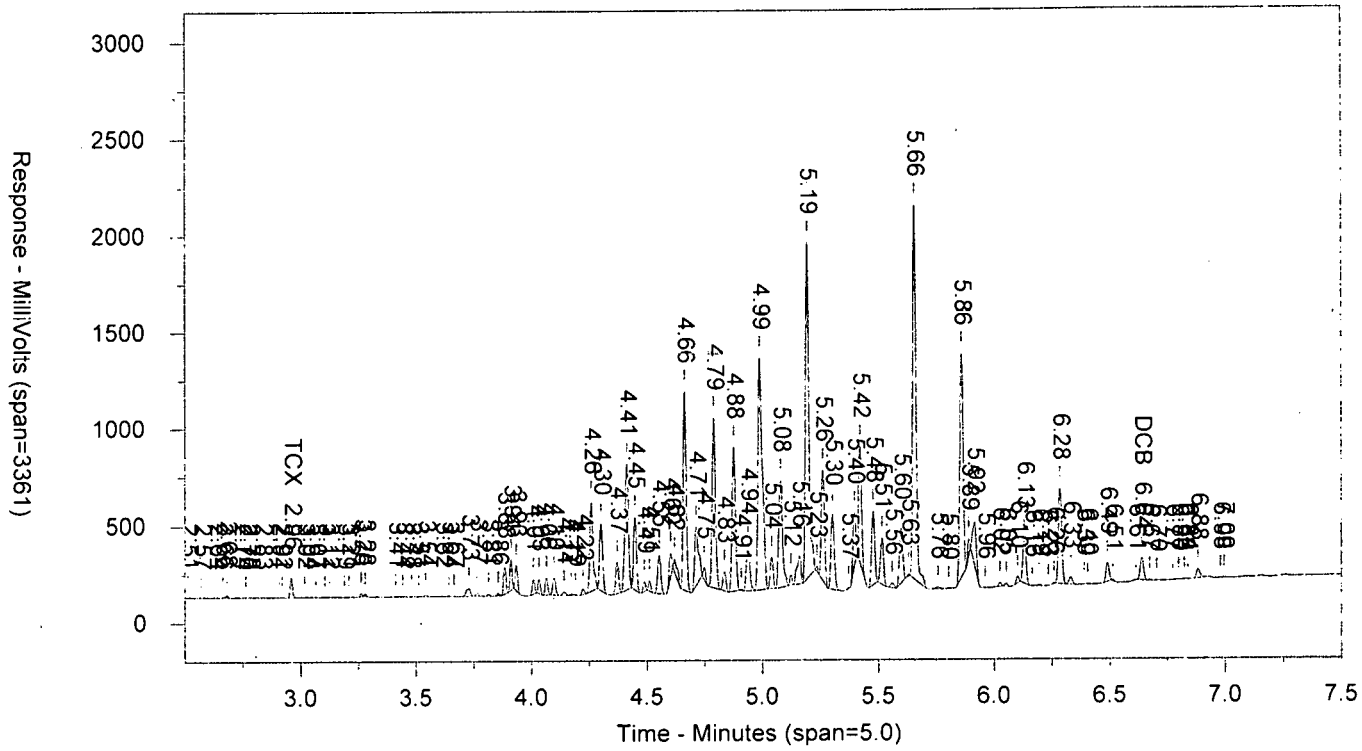

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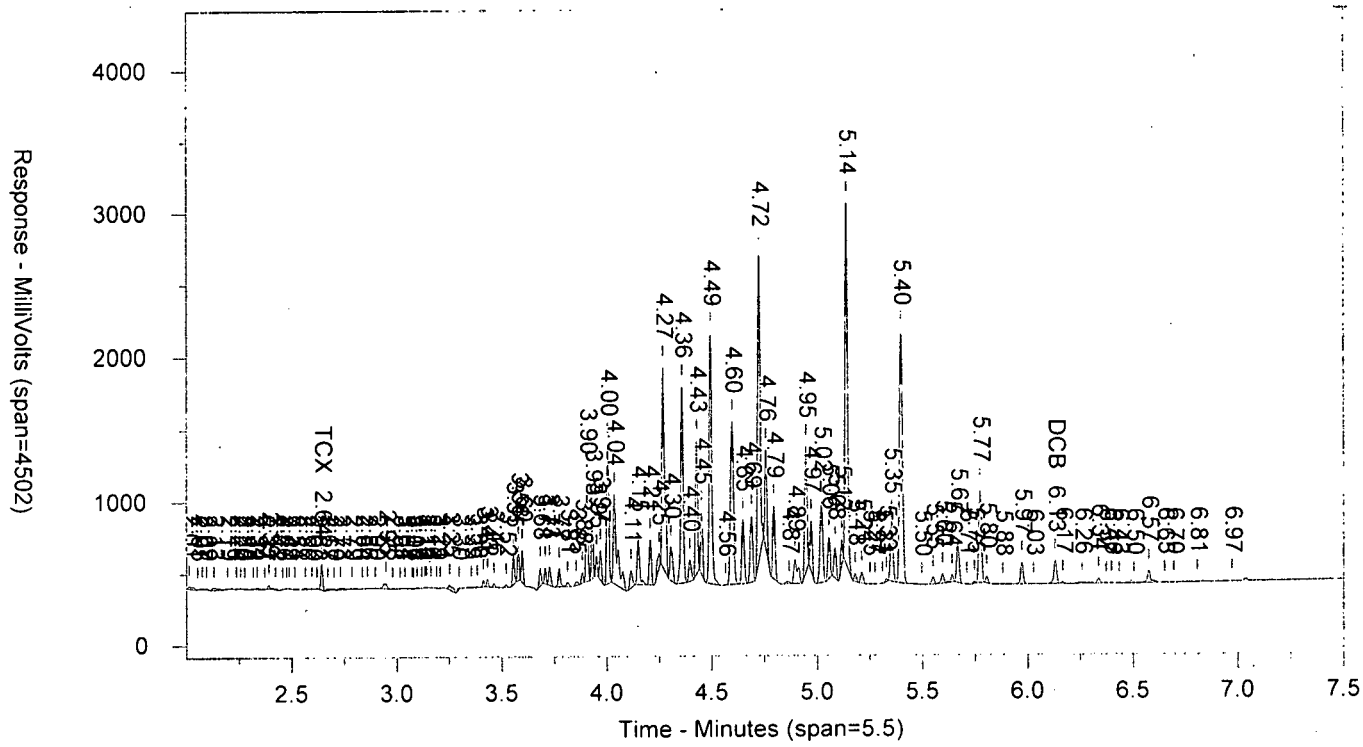

9202634 ACF DF20 AC-115W T 172560011A 10225 SW-846 8082

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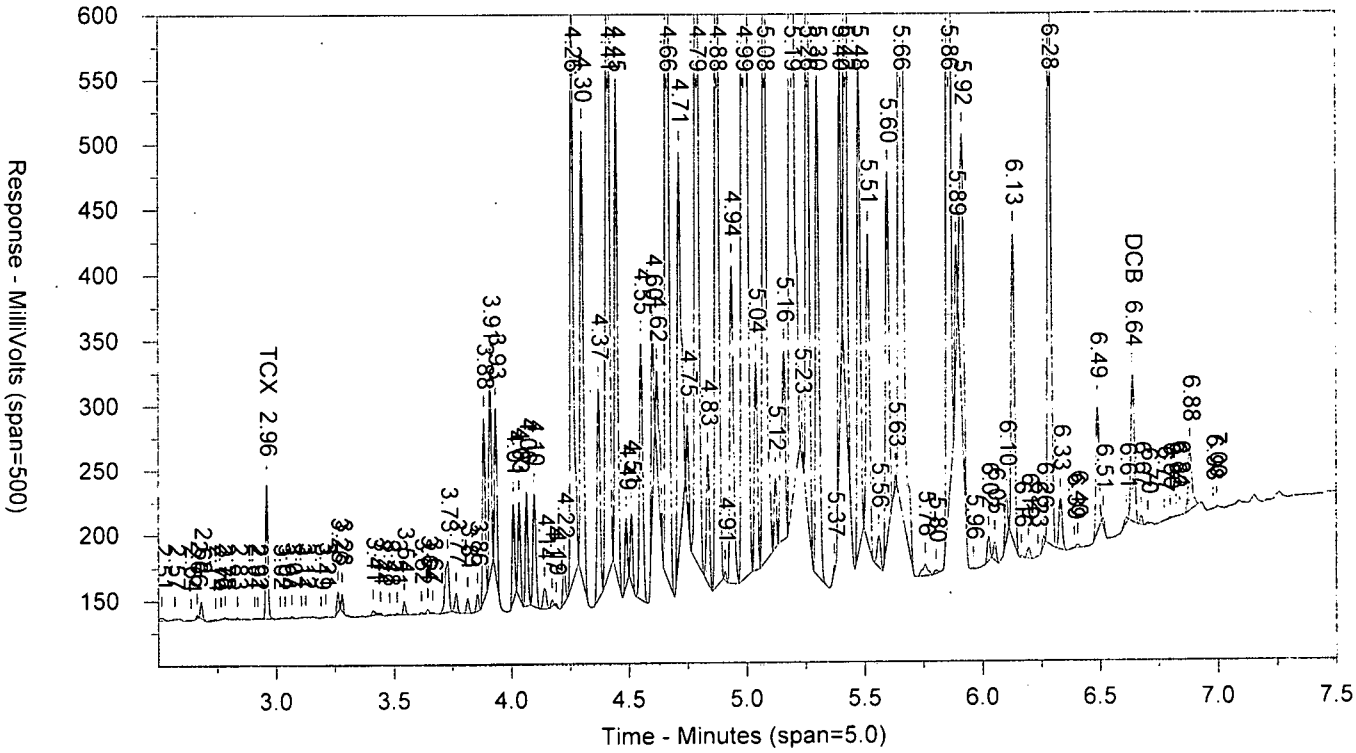

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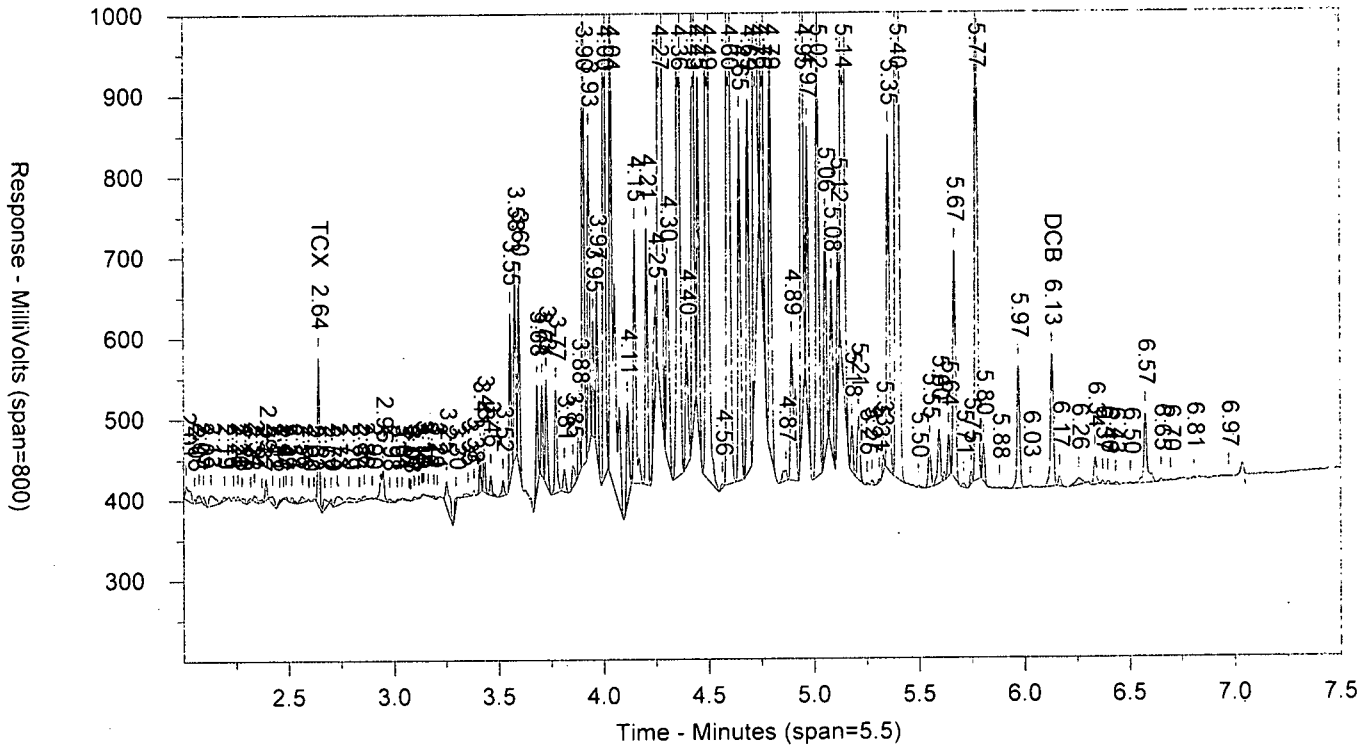

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Data Summary

Sample Name: 9202637 ACF DF50 DUP13 Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 13:20:09
Instrument	18274A
Result file	25PCBS17257004.104.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 84% (61 - 152) Conc: 24.98085
%SSR(DCB) 127% (48 - 164) Conc: 33.5493

Analysis Report (B)

Injected on	Sep 18, 2017 13:20:09
Instrument	18274B
Result file	25PCBS17257004B.104.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 107% (61 - 152) Conc: 31.71382
%SSR(DCB) 134% (48 - 164) Conc: 35.3321

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	58324	24.98085
Decachlorobiphenyl	6.61	6.64	6.67	73381	33.5493

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	116436	31.71382
Decachlorobiphenyl	6.10	6.13	6.16	109582	35.3321

Single Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐	Tetrachloro-m-xylene	B	31.71382				23.75	
☑	Tetrachloro-m-xylene-D1	A	24.98085					
☑	Tetrachloro-m-xylene-D2	B	31.71382					
☐	Decachlorobiphenyl	B	35.3321				5.18	
☑	Decachlorobiphenyl-D1	A	33.5493					
☑	Decachlorobiphenyl-D2	B	35.3321					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**19.49**	
4.97	4.99	5.01	1127968	9426.193488			1
5.17	5.19	5.21	1622905	10972.418762			2
5.24	5.26	5.28	841752.8	11764.875719			3
5.40	5.42	5.44	1022927	13524.087083			4
5.64	5.66	5.68	3152851	15008.394247			5
5.84	5.86	5.88	2062602	15928.913668			6

Height summation: **9831005.8**
Concentration CF: **12770.813828** L:

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1260						**23.48**	
4.47	4.50	4.51	1717604	10061.328894			1
4.58	4.60	4.62	1286044	9497.182847			2
4.71	4.73	4.75	1948164	11802.763584			3
4.93	4.95	4.97	1489340	13147.067206			4
5.12	5.14	5.16	4200240	15765.968246			5
5.38	5.40	5.42	3142042	16972.942795			6

Height summation: **13783434**
Concentration CF: **12874.542262** L:

Multiple Component Summary

	Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☑	PCB-1016			<2482.96	<481.9864	D1		4	
☑	PCB-1221			<2482.96	<744.888	D1		3	
☑	PCB-1232			<2482.96	<598.8315	D1		4	
☑	PCB-1242			<2482.96	<598.8315	D1		4	
☑	PCB-1248			<2482.96	<481.9864	D1		4	
☑	PCB-1254			<2482.96	<642.6485	D1		4	
☑	PCB-1260	B	12874.542262	2482.96	569.6202	D2	0.81	4	

Units: ug/kg

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

Valerie L. Tomaylo
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:38

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202637** ACF DF50 DUP13 Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.104.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 84% (61-152) Conc.: 24.98085
%SSR(DCB) : 127% (48-164) Conc.: 33.5493

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	78.01	
3.19	3.21	3.23	986.9755	25.896212			1
3.41	3.42	3.45	3134.767	81.797033			2
3.52	3.55	3.56	1767.586	36.676468			3
3.74	3.77	3.78	10018.54	165.969397			4
3.79	3.82	3.83	2400.707	45.39651			5
3.99	4.01	4.03	7582.155	193.639696			6
Height Summation:			**25890.7305**				
Amount Avg CF:			**91.562553**	Linear:			
Aroclor-1221					2	39.40	
3.14	3.16	3.18	585.4151	32.353088			2
3.19	3.21	3.23	986.9755	18.254067			3
Height Summation:			**1572.3906**				
Amount Avg CF:			**25.303577**	Linear:			
Aroclor-1232					6	85.14	
3.19	3.21	3.23	986.9755	21.830855			1
3.40	3.42	3.44	3134.767	178.900743			2
3.52	3.52	3.56	2023.965	89.959308			3
+ 3.52	3.55	3.56	1767.586	78.564014			3
3.73	3.77	3.77	10018.54	358.494139			4
3.79	3.82	3.83	2400.707	103.413202			5
3.99	4.01	4.03	7582.155	466.231432			6
Height Summation:			**26147.1095**				
Amount Avg CF:			**203.13828**	Linear:			
Aroclor-1242					6	78.10	
3.19	3.21	3.23	986.9755	18.39372			1
3.41	3.42	3.45	3134.767	60.518501			2
3.52	3.55	3.56	1767.586	26.890209			3
3.74	3.77	3.78	10018.54	119.950163			4
3.80	3.82	3.84	2400.707	32.929907			5
3.99	4.01	4.03	7582.155	141.972099			6
Height Summation:			**25890.7305**				
Amount Avg CF:			**66.775766**	Linear:			
Aroclor-1248					6	152.66	
3.74	3.77	3.78	10018.54	394.937466			1
3.80	3.82	3.84	2400.707	81.641148			2
3.86	3.89	3.90	18581.73	382.654175			3
3.99	4.01	4.03	7582.155	136.623705			4
4.08	4.10	4.12	17040.43	346.121697			5
4.26	4.26	4.30	144917	2878.958546			6
Height Summation:			**200540.562**				
Amount Avg CF:			**703.489456**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.104.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 107% (61-152) Conc.: 31.71382
%SSR(DCB) : 134% (48-164) Conc.: 35.3321

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	77.04	
2.91	2.94	2.95	7085.571	116.912447			1
+ 3.11	3.12	3.15	865.4755	17.342981			2
3.11	3.14	3.15	2038.812	40.855088			2
+ 3.11	3.14	3.15	761.9383	15.268233			2
3.23	3.25	3.27	26405.59	367.613891			3
+ 3.43	3.43	3.47	15769.45	209.750606			4
3.43	3.46	3.47	16812.41	223.623093			4
3.50	3.52	3.54	7283.783	90.537415			5
3.54	3.56	3.58	25193.54	461.396825			6
Height Summation:			**84819.706**				
Amount Avg CF:			**216.823126**	Linear:			
Aroclor-1221					2	53.32	
2.85	2.86	2.89	3831.382	184.869043			2
2.91	2.94	2.95	7085.571	83.629785			3
Height Summation:			**10916.953**				
Amount Avg CF:			**134.249414**	Linear:			
Aroclor-1232					6	92.44	
2.91	2.94	2.95	7085.571	100.579613			1
+ 3.11	3.12	3.15	865.4755	37.126763			2
3.11	3.14	3.15	2038.812	87.460004			2
+ 3.11	3.14	3.15	761.9383	32.685273			2
3.23	3.25	3.27	26405.59	810.10369			3
+ 3.43	3.43	3.47	15769.45	458.614982			4
3.43	3.46	3.47	16812.41	488.946863			4
3.50	3.52	3.54	7283.783	204.323042			5
3.53	3.56	3.57	25193.54	1187.478463			6
Height Summation:			**84819.706**				
Amount Avg CF:			**479.815279**	Linear:			
Aroclor-1242					6	78.91	
2.91	2.94	2.95	7085.571	85.79606			1
+ 3.11	3.12	3.15	865.4755	14.806469			2
3.11	3.14	3.15	2038.812	34.879793			2
+ 3.11	3.14	3.15	761.9383	13.035165			2
3.23	3.25	3.27	26405.59	272.084458			3
+ 3.43	3.43	3.47	15769.45	154.891908			4
3.43	3.46	3.47	16812.41	165.13615			4
3.50	3.52	3.54	7283.783	68.460259			5
3.54	3.56	3.58	25193.54	369.301142			6
Height Summation:			**84819.706**				
Amount Avg CF:			**165.942977**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202637 ACF DF50 DUP13 Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.104.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	99.62	
4.24	4.26	4.28	144917	2658.985806			1
4.39	4.42	4.43	211387.3	2272.589927			2
4.65	4.67	4.68	309402.6	2388.527888			3
4.86	4.88	4.90	219012.2	2318.463098			4
5.06	5.08	5.10	538993.6	7323.993462			5
5.17	5.19	5.21	1622905	15822.872487			6
Height Summation:			**3046617.7**				
Amount Avg CF:			**5464.238778**	Linear:			
Aroclor-1260					6	19.49	
4.97	4.99	5.01	1127968	9426.193488			1
5.17	5.19	5.21	1622905	10972.418762			2
5.24	5.26	5.28	841752.8	11764.875719			3
5.40	5.42	5.44	1022927	13524.087083			4
5.64	5.66	5.68	3152851	15008.394247			5
5.84	5.86	5.88	2062602	15928.913668			6
Height Summation:			**9831005.8**				
Amount Avg CF:			**12770.813828**	Linear:			
Aroclor-1262					6	31.48	
5.25	5.26	5.29	841752.8	7038.820548			1
5.41	5.42	5.45	1022927	9678.69464			2
E 5.64	5.66	5.68	3152851	11861.701845			3
E 5.85	5.86	5.89	2062602	12903.731566			4
5.90	5.92	5.94	391118.8	4976.773904			5
E 6.27	6.29	6.31	983043.8	10224.813899			6
Height Summation:			**8454295.4**				
Amount Avg CF:			**9447.422734**	Linear:			
Aroclor-1268					6	96.58	
5.84	5.86	5.88	2062602	7117.78387			1
5.90	5.92	5.94	391118.8	1540.687045			2
6.03	6.05	6.07	26388.39	109.00016			3
+ 6.10	6.10	6.14	48403.02	762.836964			4
6.10	6.13	6.14	384424	6058.564883			4
6.27	6.29	6.31	983043.8	9247.174502			5
6.47	6.49	6.51	206168.3	255.31253			6
Height Summation:			**4053745.29**				
Amount Avg CF:			**4054.753832**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.104.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	111.08	
+ 3.43	3.43	3.47	15769.45	522.968621			1
3.43	3.46	3.47	16812.41	557.556724			1
3.50	3.52	3.54	7283.783	158.423186			2
3.54	3.56	3.58	25193.54	327.226721			3
3.66	3.68	3.70	19181.89	200.927678			4
3.75	3.77	3.79	31294.96	479.183262			5
3.89	3.91	3.93	236079.9	1981.704019			6
Height Summation:			**335846.483**				
Amount Avg CF:			**617.503598**	Linear:			
Aroclor-1254					6	88.71	
+ 4.25	4.25	4.29	104064.7	572.308112			1
4.25	4.28	4.29	462349.3	2542.709053			1
4.34	4.36	4.38	1230074	14399.493222			2
4.41	4.43	4.45	238643	1898.278582			3
4.48	4.50	4.51	1717604	22863.535248			4
4.63	4.65	4.67	246485.3	2790.637476			5
4.71	4.73	4.75	1948164	13932.623823			6
Height Summation:			**5843319.6**				
Amount Avg CF:			**9737.879567**	Linear:			
Aroclor-1260					6	23.48	
4.47	4.50	4.51	1717604	10061.328894			1
4.58	4.60	4.62	1286044	9497.182847			2
4.71	4.73	4.75	1948164	11802.763584			3
4.93	4.95	4.97	1489340	13147.067206			4
5.12	5.14	5.16	4200240	15765.968246			5
5.38	5.40	5.42	3142042	16972.942795			6
Height Summation:			**13783434**				
Amount Avg CF:			**12874.542262**	Linear:			
Aroclor-1262					6	33.69	
4.74	4.76	4.78	1000380	6030.353293			1
4.93	4.95	4.97	1489340	8997.141062			2
+ 4.93	4.97	4.97	197813.7	1194.997625			2
E 5.12	5.14	5.16	4200240	11989.43904			3
5.34	5.35	5.38	745452.2	5539.931985			4
E 5.38	5.40	5.42	3142042	13379.348343			5
E 5.76	5.77	5.80	1371418	10566.713797			6
Height Summation:			**11948872.2**				
Amount Avg CF:			**9417.154587**	Linear:			
Aroclor-1268					6	127.71	
5.33	5.35	5.37	745452.2	1901.752648			1
5.38	5.40	5.42	3142042	8168.859958			2
5.53	5.55	5.57	42447.37	131.680766			3
5.60	5.62	5.64	21951.48	260.946786			4
5.75	5.77	5.79	1371418	9428.126098			5
5.95	5.97	5.99	290736.7	241.813564			6
Height Summation:			**5614047.75**				
Amount Avg CF:			**3355.52997**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: 9202637 ACF DF50 DUP13 Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.27 g Total Volume: 500 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274A
Result file : 25PCBS17257004.104.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 13:20:09
Instrument : CP25--18274B
Result file : 25PCBS17257004B.104.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			2482.96	481.9864		** 81.24	4	40	
Aroclor-1221			2482.96	744.888		** 136.56	3	5	
Aroclor-1232			2482.96	598.8315		** 81.02	4	10	
Aroclor-1242			2482.96	598.8315		** 85.22	4	30	
Aroclor-1248			2482.96	481.9864		13.02	4	40	
Aroclor-1254			2482.96	642.6485		** 56.22	4	40	
Aroclor-1260			2482.96	569.6202		0.81	4	40	
Aroclor-1262			2482.96	481.9864	E	0.32	4	40	
Aroclor-1268			2482.96	481.9864		18.87	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202637 ACF DF50 ACDUP13 T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:20:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.104.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.017		616	317
2.04		600	622
2.077		10824	9687
2.102		5202	7641
2.164		1823	1220
2.234		49490	35716
2.311		1138	1426
2.358		4079	3718
2.395		1091	1069
2.464		406	305
2.513		2726	3827
2.57		1083	955
2.666		1675	800
2.682		9792	6982
2.74		1395	3326
2.785		1262	1954
2.837		1092	715
2.904		700	544
2.92		887	517
2.96	TCX	58324	40119
3.018		696	995
3.048		637	384
3.067		1287	935
3.157		585	339
3.211		987	1339
3.263		14736	9189
3.281		7652	3945
3.377		499	912
3.417		3135	3172
3.497		264	331
3.519		2024	2449
3.548		1768	2326
3.598		254	299
3.619		1447	1130
3.645		3719	2713
3.67		609	322
3.732		9474	10782
3.768		10019	7947
3.817		2401	2429
3.857		2278	1820
3.887		18582	13619
3.914		22277	15330
3.937		35204	25060
4.011		7582	5312
4.035		8103	5902
4.066		14472	10877
4.101		17040	16159
4.147		5459	4738
4.175		3765	3806
4.225		5567	4077
4.261		144917	136052
4.304		68006	60667
4.373		52361	45061
4.416		211387	221285

RT A	Compound A	Height A	Area A
4.45		84302	69843
4.492		12783	9590
4.513		9448	6627
4.555		49289	47560
4.605		32076	22115
4.622		78962	68703
4.667		309403	291340
4.716		305385	359198
4.752		55816	36559
4.792		793851	778526
4.838		20066	17017
4.879		219012	227536
4.912		5406	3192
4.938		218791	210113
4.991		1127968	1468853
5.043		220081	209741
5.082		538994	606979
5.123		10023	5655
5.162		134424	158416
5.194		1622905	1717429
5.237		20041	8552
5.262		841753	796568
5.304		552456	548973
5.398		234925	185414
5.423		1022927	905233
5.479		527029	510855
5.518		305258	306445
5.561		43794	44773
5.601		331193	360945
5.658		3152851	3298658
5.76		8622	15024
5.804		3091	3366
5.862		2062602	1940211
5.893		105417	71146
5.917		391119	443055
5.993		660	263
6.028		5843	4581
6.053		26388	23768
6.103		48403	39748
6.132		384424	372763
6.168		3484	2079
6.195		1782	1367
6.26		1148	793
6.287		983044	980657
6.334		69686	68173
6.386		861	498
6.408		3264	4648
6.492		206168	219807
6.567		502	181
6.579		645	340
6.618		1326	2397
6.641	DCB	73381	73043
6.678		1889	1281
6.702		6870	7890
6.838		737	3486
6.886		50631	86015

LANCASTER LABORATORIES

Sample Number: 9202637 ACF DF50 ACDUP13 T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:20:09 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.104.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		15778	24340
2.055		5046	2741
2.074		6883	7812
2.096		6411	4668
2.127		8376	17148
2.194		3078	3454
2.216		4165	2650
2.239		3318	2854
2.256		4109	2001
2.287		5035	5674
2.317		3147	3007
2.338		5259	5605
2.372		2263	1866
2.392		19514	11276
2.458		9317	10283
2.47		2917	1846
2.517		4928	5111
2.565		5583	6757
2.594		2270	1326
2.62		2009	1157
2.642	TCX	116436	72736
2.67		15772	16594
2.702		10185	7221
2.728		13911	28352
2.79		7129	14825
2.836		2959	1820
2.861		3831	5055
2.938		7086	3107
2.949		20290	9376
2.982		5090	5688
3.015		2716	1376
3.046		3053	4350
3.076		1577	672
3.098		1076	855
3.12		865	312
3.135		2039	928
3.145		762	170
3.154		713	117
3.16		473	118
3.184		729	116
3.21		2183	1224
3.221		1673	1148
3.254		26406	57792
3.3		28401	33805
3.343		2626	2110
3.382		6964	4506
3.414		7976	3922
3.433		15769	9513
3.463		16812	10557
3.522		7284	11990
3.557		25194	14151
3.579		45992	23571
3.598		78675	90909
3.684		19182	19422

RT B	Compound B	Height B	Area B
3.707		14172	8496
3.728		28537	25266
3.773		31295	29721
3.812		7593	5423
3.856		6722	5431
3.884		9639	5066
3.906		236080	153073
3.932		59774	34494
3.952		49921	26636
3.97		65989	41193
4.006		325181	235794
4.037		135993	126960
4.077		32128	28236
4.117		38300	41624
4.151		76180	72221
4.207		114083	80131
4.25		104065	70389
4.281		462349	556938
4.307		214900	203287
4.359		1230074	981409
4.397		39004	44537
4.429		238643	158495
4.453		352723	266663
4.496		1717604	1374463
4.598		1286044	1235683
4.651		246485	214895
4.69		470218	398211
4.727		1948164	1630658
4.758		1000380	751577
4.797		740164	611158
4.867		5488	8074
4.896		249338	269350
4.947		1489340	1166729
4.971		197814	129147
5.022		815936	741875
5.057		403457	323202
5.086		315102	250671
5.118		83317	49836
5.14		4200240	3465119
5.181		91812	68700
5.213		120411	105600
5.255		3596	2339
5.278		5958	3909
5.33		39681	24105
5.354		745452	643010
5.398		3142042	3083909
5.552		42447	36966
5.596		99601	79327
5.62		21951	14215
5.641		8447	4498
5.67		520700	463849
5.747		4372	2398
5.774		1371418	1131472
5.806		85118	65527
5.884		3285	4076
5.914		2165	1986
5.972		290737	250037
6.132	DCB	109582	101442
6.168		5476	5334
6.26		7398	17492
6.307		8649	6186
6.337		18628	15967
6.398		4039	2833
6.471		1607	1257
6.577		78118	90191
6.656		3720	4092

RT B	Compound B	Height B	Area B
6.704		1685	2520
6.76		2578	3638
6.832		3613	9673

9202637 ACF DF50 ACDUP13 T 172560011A 10225 SW-846 8082

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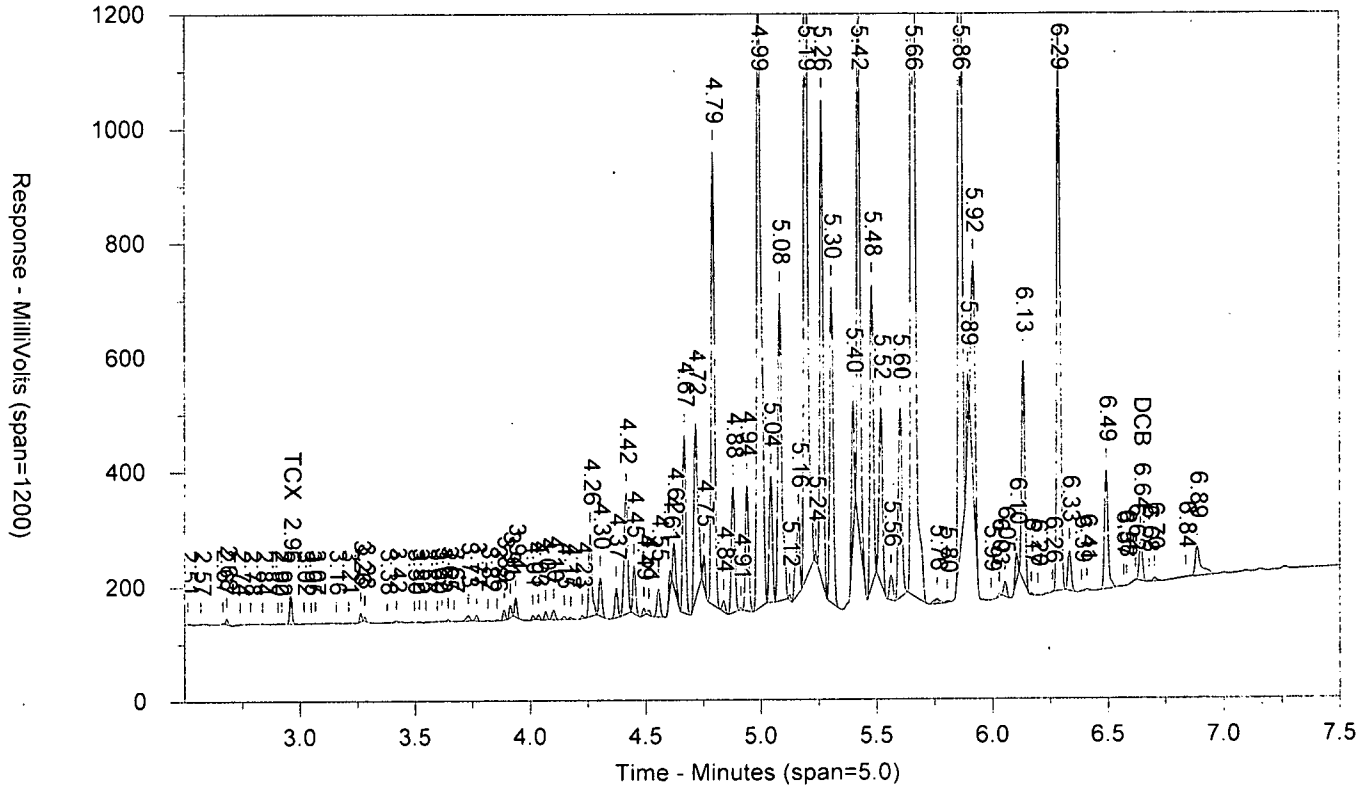

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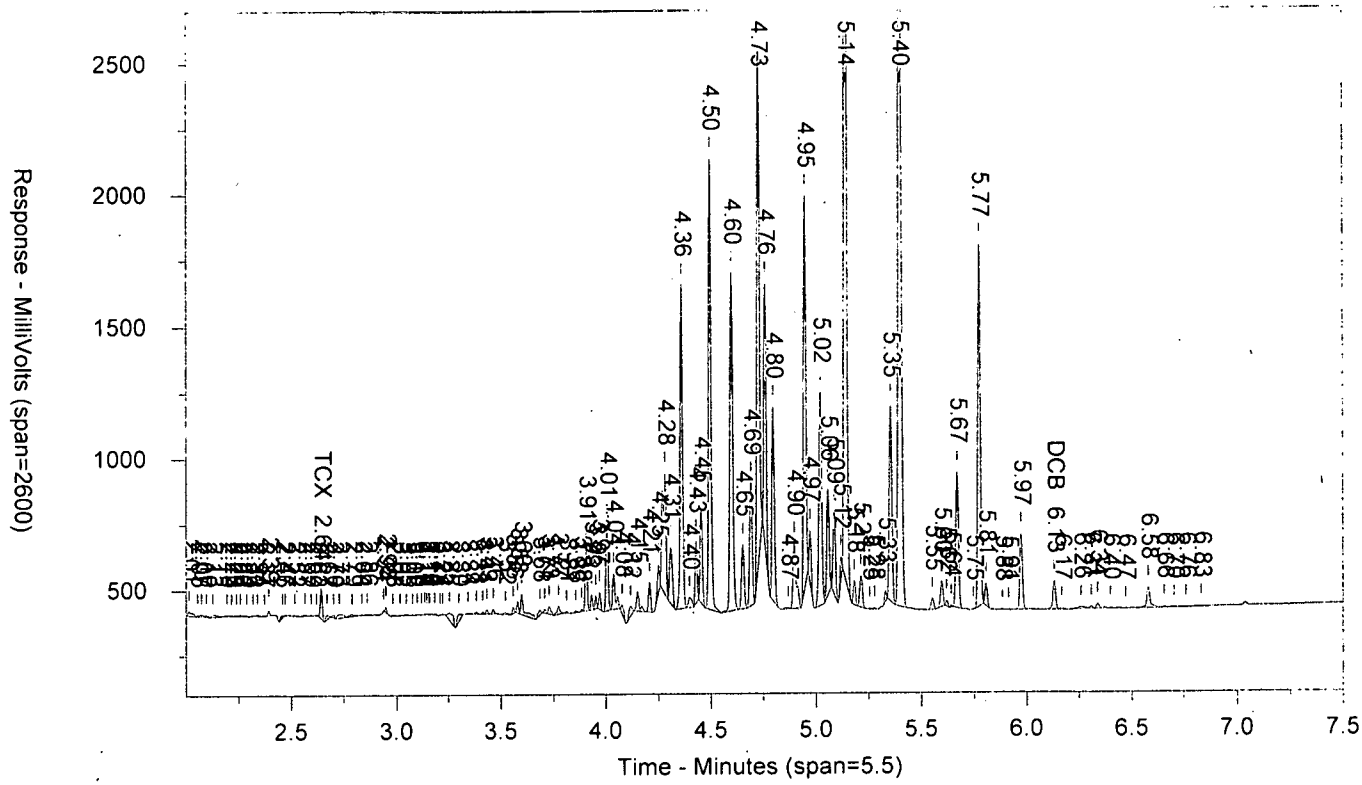


LANCASTER LABORATORIES

Sample Number: 9202637 ACF DF50 ACDUP13 T 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:20:09 PM Sample Weight: 10.27
Instrument ID: CP25-18274 Dilution Factor: 500
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

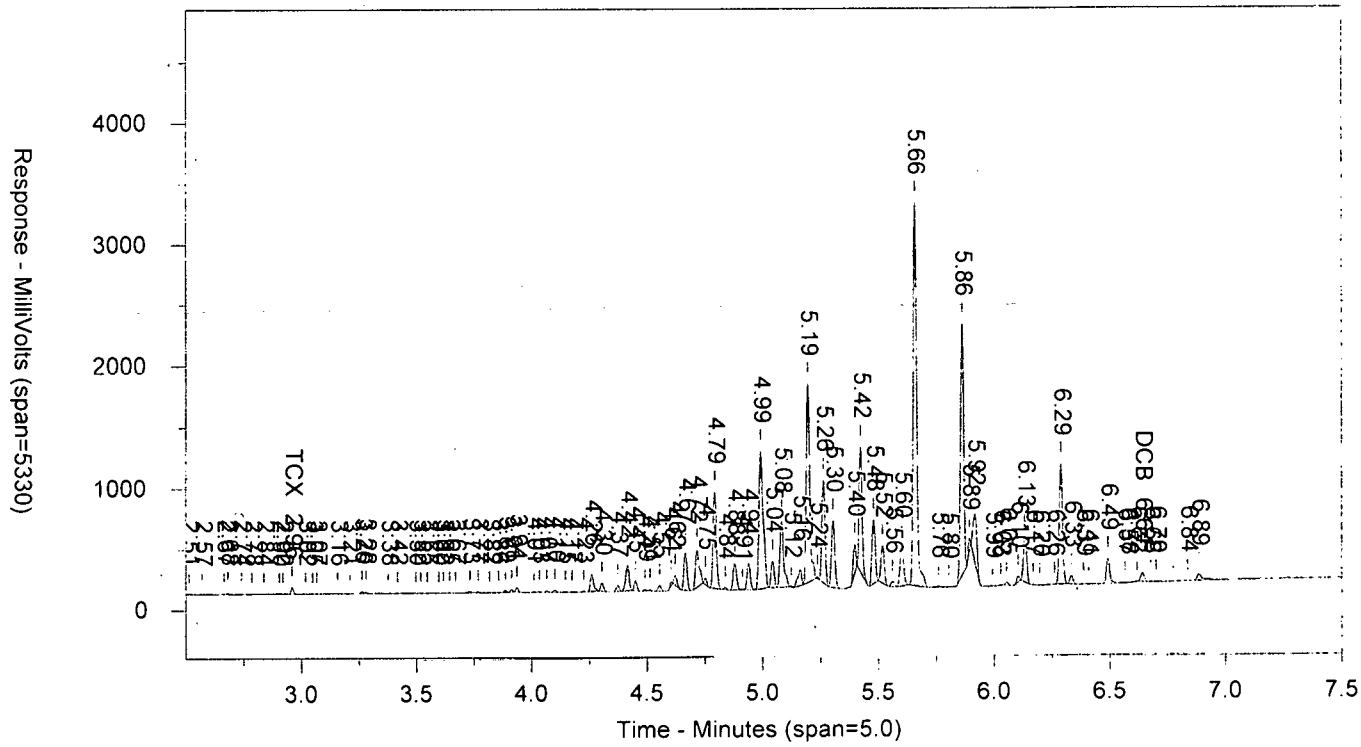
Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	58324	24.981	TCX	2.642	116436	31.714	TCX
6.641	73381	33.549	DCB	6.132	109582	35.332	DCB

Files:
Area File: 25PCBS17257004.104.RAW
Area File: 25PCBS17257004B.104.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 1:28:39 PM
File Reported On: 9/18/2017 at 1:28:48 PM

9202637 ACF DF50 ACDUP13 T 172560011A 10225 **SW-846 8082**

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25PCBS17257004.104.RAW



9202637 ACF DF50 ACDUP13 T 172560011A 10225 SW-846 8082

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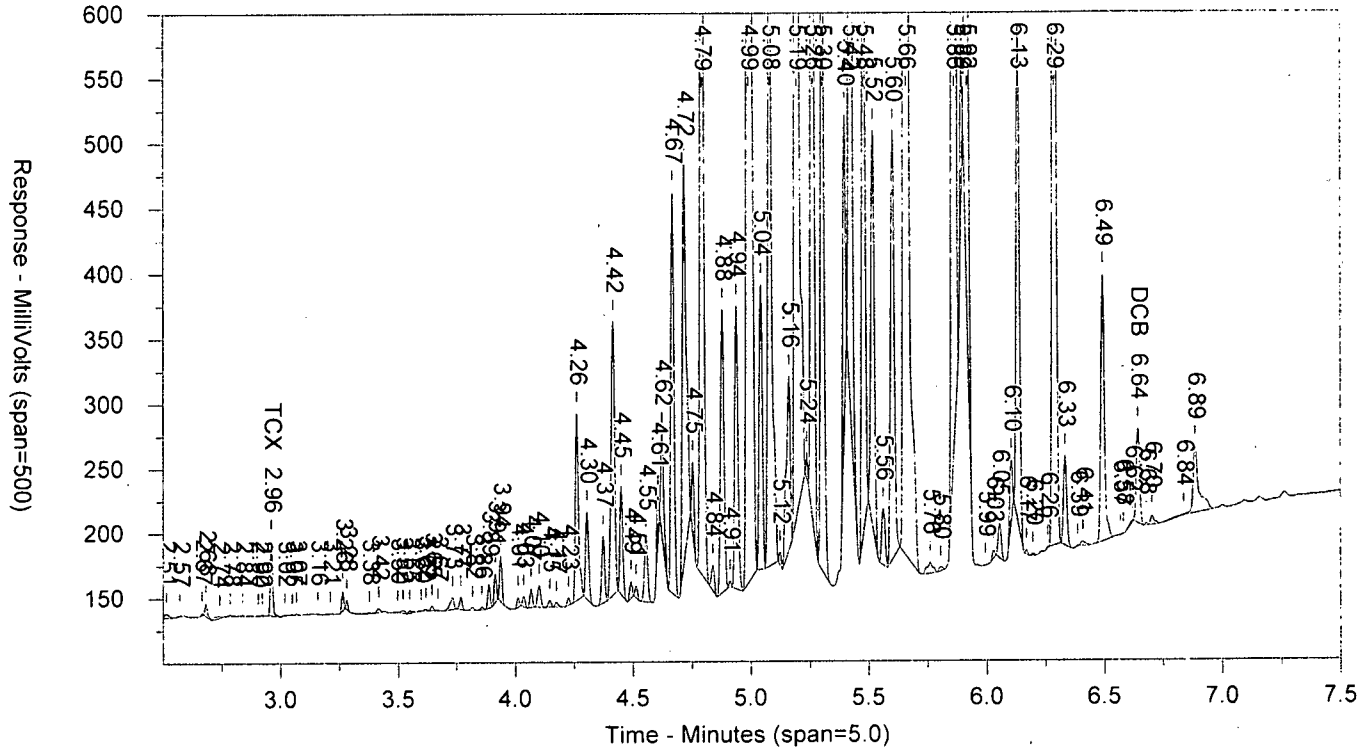

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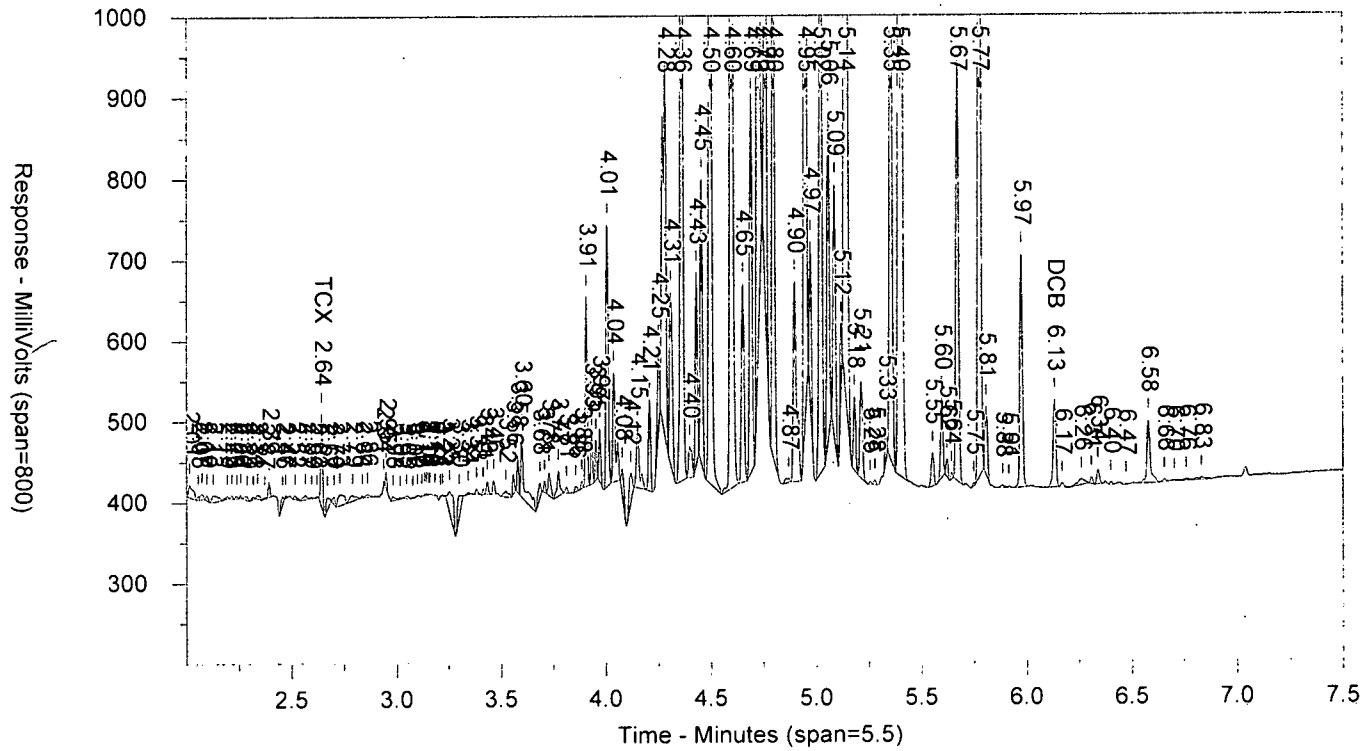

Standards Data

Polychlorinated Biphenyls (PCBs)

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17257002.seq

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

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

Number of Entries: 81

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	
5 IBLKX1724B	5	PIBLK	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725699999	10736
6 EVALX1724A	6	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
7 AR1611724B	7	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	1	1725699999	10736
8 AR1621724B	8	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	2	1725699999	10736
9 AR1631724B	9	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	3	1725699999	10736
10 AR1641724B	10	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	4	1725699999	10736
11 AR1651724B	11	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	5	1725699999	10736
12 AR1661724A	12	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	6	1725699999	10736
13 AR4811724C	13	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
14 AR4821724C	14	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
15 AR4831724C	15	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
16 AR4841724C	16	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
17 AR4851724C	17	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
18 AR4861724B	18	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
19 AR5411724B	19	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
20 AR5421724B	20	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
21 AR5431724B	21	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
22 AR5441724B	22	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
23 AR5451724B	23	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
24 AR5461724A	24	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
25 AR6231724A	25	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
26 AR6831724B	26	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
27 AR2131724A	27	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
28 AR3241724A	28	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
29 AR4231724A	29	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
30 AR16XX1724B	30	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
31 MD16X1724B	31	ICAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
32 IC16X1724C	32	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
33 IC48X1724B	33	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
34 IC54X1724A	34	CCAL	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
35 BLANKA 9/12/17 AF	35	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	172550010A	10227
36 LCSA 9/12/17 AF	36	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	172550010A	10227
37 LCSDA 9/12/17 AF	37	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	172550010A	10227
38 9199740 AF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1060	10	1	0	172550010A	10227
39 9199741 AF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	1048	10	1	0	172550010A	10227
40 BLANKA 9/13/17 AF	40	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560007A	10227
41 LCSA 9/13/17 AF	41	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560007A	10227
42 LCSDA 9/13/17 AF	42	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560007A	10227
43 9197273 AF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	242	2	1	0	172560007A	10227
44 9197274 AF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	240	2	1	0	172560007A	10227
45 BLANKA 9/13/17 AF	45	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560008A	10591
46 LCSA 9/13/17 AF	46	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560008A	10591
47 LCSDA 9/13/17 AF	47	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172560008A	10591
48 9200763 AF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	172560008A	10591
49 BLANKA 9/11/17 ACF	49	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172540004A	10736
50 LCSA 9/11/17 ACF	50	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172540004A	10736

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

Number of Entries: 81

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51 AR1641724B	51	CCAL	YV	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
52 IBLKX1724B	52	PIBLK	ZB	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725699999	10736
53 9198627 ACF DF50	53	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	500	1	0	172540004A	10736
54 9198631 ACF DF50	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.16	500	1	0	172540004A	10736
55 AR1641724B	55	CCAL	YW	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
56 IBLKX1724B	56	PIBLK	ZC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725699999	10736
57 9199809 ACF	57	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	10	1	0	172540004A	10736
58 9199809 ACF DF5	58	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	50	1	0	172540004A	10736
59 9200176 ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172540004A	10736
60 9200176 ACF DF5	60	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	50	1	0	172540004A	10736
61 9200223 ACF	61	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.49	10	1	0	172540004A	10736
62 9200343 ACF	62	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172540004A	10736
63 9200344 ACF DF5	63	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172540004A	10736
64 9200346 ACF	64	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.19	10	1	0	172540004A	10736
65 9200347 ACF DF5	65	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.25	50	1	0	172540004A	10736
66 9200349 ACF	66	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.16	10	1	0	172540004A	10736
67 9200350 ACF	67	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.04	10	1	0	172540004A	10736
68 9200352 ACF	68	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172540004A	10736
69 9200353 ACF	69	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.25	10	1	0	172540004A	10736
70 9200355 ACF	70	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.37	10	1	0	172540004A	10736
71 9200355 ACF DF5	71	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.37	50	1	0	172540004A	10736
72 9200356 ACF	72	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172540004A	10736
73 9200358 ACF	73	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172540004A	10736
74 9200361 ACF	74	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	10	1	0	172540004A	10736
75 9200362 ACF	75	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.33	10	1	0	172540004A	10736
76 9200363 ACF	76	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	10	1	0	172540004A	10736
77 9200363MS ACF	77	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172540004A	10736
78 9200363MSD ACF	78	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.29	10	1	0	172540004A	10736
79 9200364 ACF	79	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.43	10	1	0	172540004A	10736
80 AR1641724B	80	CCAL	YX	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725699999	10736
81 IBLKX1724B	81	PIBLK	ZD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725699999	10736

2301 9/14/17

Set-up by: 2855 Date: 14 Sept 17

9/14/2017

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17257004.seq

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

Number of Entries: 110

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1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
5 AR1641724B	5	CCAL	ZW	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
6 IBLKX1724B	6	PIBLK	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
7 9198627 ACF	7	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	10	1	0	172540004A	10736
8 9198627 ACF DF5	8	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	50	1	0	172540004A	10736
9 9198627 ACF DF10	9	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	100	1	0	172540004A	10736
10 9198631 ACF DF5	10	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.16	50	1	0	172540004A	10736
11 9198631 ACF DF10	11	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	30.16	100	1	0	172540004A	10736
12 BLANKA 9/14/17 ACF	12	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172560036A	10885
13 LCSA 9/14/17 ACF	13	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172560036A	10885
14 AR1641724B	14	CCAL	ZX	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
15 IBLKX1724B	15	PIBLK	AH	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
16 9197671 ACF DF50	16	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	500	1	0	172560036A	10885
17 9197671MS ACF DF50	17	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	500	1	0	172560036A	10885
18 9197671MSD ACF DF50	18	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	500	1	0	172560036A	10885
19 9197673 ACF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	10	1	0	172560036A	10885
20 9197676 ACF	20	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	10	1	0	172560036A	10885
21 9197677 ACF	21	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.33	10	1	0	172560036A	10885
22 9197679 ACF	22	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.32	10	1	0	172560036A	10885
23 9197681 ACF	23	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.25	10	1	0	172560036A	10885
24 9199757 ACF	24	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	10	1	0	172560036A	10885
25 9199757 ACF DF5	25	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	50	1	0	172560036A	10885
26 AR1641724B	26	CCAL	ZY	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
27 IBLKX1724B	27	PIBLK	AI	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
28 9199759 ACF	28	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.09	10	1	0	172560036A	10885
29 9199761 ACF	29	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.41	10	1	0	172560036A	10885
30 AR1641724B	30	CCAL	ZZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
31 IBLKX1724B	31	PIBLK	AJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
32 9205491 ACF	32	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.37	10	1	0	172560036A	10885
33 CONDITIONER	33	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
34 BLANKA 9/15/17 AF	34	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172570044A	10227
35 LCSA 9/15/17 AF	35	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172570044A	10227
36 LCSDA 9/15/17 AF	36	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172570044A	10227
37 9199076 RI AF	37	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	239	2	1	0	172570044A	10227
38 9200175 RI AF	38	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	240	2	1	0	172570044A	10227
39 9201389 RI AF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	236	2	1	0	172570044A	10227
40 9202716 RI AF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	240	2	1	0	172570044A	10227
41 9203911 RI AF	41	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	242	2	1	0	172570044A	10227
42 9203912 RI AF	42	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	235	2	1	0	172570044A	10227
43 9203913 RI AF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	240	2	1	0	172570044A	10227
44 9203914 RI AF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	236	2	1	0	172570044A	10227
45 9203915 RI AF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	172570044A	10227
46 9203916 RI AF	46	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	172570044A	10227
47 9203917 RI AF	47	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	172570044A	10227
48 9203918 RI AF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	237	2	1	0	172570044A	10227
49 BLANKA 9/15/17 CAF	49	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172580021A	10227
50 LCSA 9/15/17 CAF	50	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172580021A	10227

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

Number of Entries: 110

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 LCSDA 9/15/17 CAF	51	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172580021A	10227
52 AR1641724B	52	CCAL	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
53 IBLKX1724B	53	PIBLK	AL	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
54 9197694 CAF	54	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	100	2	1	0	172580021A	10227
55 9197694 CAF DF5	55	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	100	10	1	0	172580021A	10227
56 9197694 CAF DF10	56	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	100	20	1	0	172580021A	10227
57 BLANKA 9/15/17 ACF	57	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172570033A	10736
58 LCSA 9/15/17 ACF	58	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172570033A	10736
59 9206469 RI ACF	59	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	172570033A	10736
60 9206470 RI ACF	60	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	10	1	0	172570033A	10736
61 9206470MS ACF	61	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.2	10	1	0	172570033A	10736
62 9206470MSD ACF	62	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.28	10	1	0	172570033A	10736
63 9206471 RI ACF	63	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.25	10	1	0	172570033A	10736
64 9206472 RI ACF	64	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172570033A	10736
65 9206472 ACF DF5	65	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	50	1	0	172570033A	10736
66 9206473 ACF DF5	66	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.17	50	1	0	172570033A	10736
67 9206474 ACF DF5	67	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	50	1	0	172570033A	10736
68 CONDITIONER	68	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
69 9206474 ACF DF10	69	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	100	1	0	172570033A	10736
70 CONDITIONER	70	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	
71 9206475 RI ACF	71	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172570033A	10736
72 9206475 ACF DF5	72	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	50	1	0	172570033A	10736
73 9206476 RI ACF	73	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	10	1	0	172570033A	10736
74 AR1641724B	74	CCAL	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
75 IBLKX1724B	75	PIBLK	AM	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
76 9206477 RI ACF	76	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	10	1	0	172570033A	10736
77 9206478 RI ACF	77	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172570033A	10736
78 9206478 ACF DF5	78	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	50	1	0	172570033A	10736
79 9206479 RI ACF	79	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.31	10	1	0	172570033A	10736
80 9206480 RI ACF	80	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.44	10	1	0	172570033A	10736
81 9206481 RI ACF	81	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172570033A	10736
82 9206482 RI ACF	82	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172570033A	10736
83 9206483 RI ACF	83	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.46	10	1	0	172570033A	10736
84 BLANKA 9/13/17 ACF	84	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172560011A	10225
85 LCSA 9/13/17 ACF	85	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	10	10	1	0	172560011A	10225
86 9202620 ACF DF500	86	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	5000	1	0	172560011A	10225
87 9202620 ACF DF1000	87	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	10000	1	0	172560011A	10225
88 9202621 ACF DF100	88	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	1000	1	0	172560011A	10225
89 9202622 ACF DF100	89	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.26	1000	1	0	172560011A	10225
90 9202625 ACF DF500	90	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	5000	1	0	172560011A	10225
91 9202626 ACF DF100	91	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	1000	1	0	172560011A	10225
92 9202627 ACF DF50	92	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.13	500	1	0	172560011A	10225
93 9202628 ACF DF100	93	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.32	1000	1	0	172560011A	10225
94 9202629 ACF DF10	94	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	100	1	0	172560011A	10225
95 9202630 ACF DF50	95	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	500	1	0	172560011A	10225
96 AR1641724B	96	CCAL	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
97 IBLKX1724B	97	PIBLK	AN	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736
98 9202631 ACF DF100	98	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.35	1000	1	0	172560011A	10225
99 9202632 ACF DF100	99	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	1000	1	0	172560011A	10225
100 9202633 ACF DF100	100	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.07	1000	1	0	172560011A	10225

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17257004.seq

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

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

Number of Entries: 110

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101	9202634 ACF DF20	101	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.27	200	1	0	172560011A	10225
102	9202635MS ACF DF20	102	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.33	200	1	0	172560011A	10225
103	9202636MSD ACF DF20	103	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.06	200	1	0	172560011A	10225
104	9202637 ACF DF50	104	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.27	500	1	0	172560011A	10225
105	9202639 ACF DF50	105	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.16	500	1	0	172560011A	10225
106	9202640 ACF DF50	106	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.2	500	1	0	172560011A	10225
107	9202641 ACF DF50	107	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.4	500	1	0	172560011A	10225
108	9202642 ACF DF50	108	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.15	500	1	0	172560011A	10225
109	AR1641724B	109	CCAL	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1725999999	10736
110	IBLKX1724B	110	PIBLK	AO	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1725999999	10736

Set-up by: 2855 Date: 17Sep17

9/17/2017

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

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

Number of Entries: 94

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1 CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
2 CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
3 CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
4 CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
5 AR1641724B	5	CCAL	BG	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
6 IBLKX1724B	6	PIBLK	CC	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736
7 BLANKA 9/18/17 AF	7	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590016A	10227
8 LCSA 9/18/17 AF	8	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590016A	10227
9 LCSDA 9/18/17 AF	9	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590016A	10227
10 9207807 RI AF	10	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	172590016A	10227
11 9207808 RI AF	11	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	172590016A	10227
12 9211497 RI AF	12	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	172590016A	10227
13 9211498 RI AF	13	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	172590016A	10227
14 9211807 RI AF	14	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	172590016A	10227
15 9211808 RI AF	15	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	249	2	1	0	172590016A	10227
16 BLANKA 9/17/17 AF	16	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590027A	10591
17 LCSA 9/17/17 AF	17	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590027A	10591
18 LCSDA 9/17/17 AF	18	LCSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172590027A	10591
19 9210683 RI AF	19	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	222	2	1	0	172590027A	10591
20 AR1641724B	20	CCAL	BH	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
21 IBLKX1724B	21	PIBLK	CD	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736
22 9199771 CAF DF50000	22	T	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	239	100000	1	0	172570010A	10591
23 9199771 CAF DF100000	23	T	AH	EPT-24\ACTIVE\CP25\25PCBS.MET	239	200000	1	0	172570010A	10591
24 9202621 ACF DF10	24	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.21	100	1	0	172560011A	10225
25 9202625 ACF DF100	25	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	1000	1	0	172560011A	10225
26 9202625 ACF DF200	26	T	AE	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	2000	1	0	172560011A	10225
27 9202632 ACF DF10	27	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	100	1	0	172560011A	10225
28 9200364 ACF DF5	28	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.43	50	1	0	172540004A	10736
29 CONDITIONER	29	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
30 9200364 ACF DF10	30	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.43	100	1	0	172540004A	10736
31 CONDITIONER	31	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
32 AR1641724B	32	CCAL	BI	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
33 IBLKX1724B	33	PIBLK	CE	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736
34 BLANKA 9/13/17 ACF	34	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172550027A	10736
35 LCSA 9/13/17 ACF	35	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172550027A	10736
36 9192780R ACF DF5	36	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.3	50	1	0	172550027A	10736
37 9192780RMS ACF DF5	37	MS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	50	1	0	172550027A	10736
38 9192780RMSD ACF DF5	38	MSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.5	50	1	0	172550027A	10736
39 9200366 RI ACF	39	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.39	10	1	0	172550027A	10736
40 9200367 RI ACF	40	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172550027A	10736
41 9200368 ACF DF100	41	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	1000	1	0	172550027A	10736
42 9200368 ACF DF500	42	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	5000	1	0	172550027A	10736
43 9200370 RI ACF	43	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.22	10	1	0	172550027A	10736
44 9200371 RI ACF	44	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.13	10	1	0	172550027A	10736
45 9200372 RI ACF	45	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.49	10	1	0	172550027A	10736
46 9203788 RI ACF	46	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172550027A	10736
47 9203791 RI ACF	47	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.12	10	1	0	172550027A	10736
48 9203794 RI ACF	48	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.23	10	1	0	172550027A	10736
49 9203797 RI ACF	49	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.13	10	1	0	172550027A	10736
50 9203800 ACF DF5	50	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.38	50	1	0	172550027A	10736

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CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25pcbs17257006.seq

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

Number of Entries: 94

Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
51 9203803 RI ACF	51	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	172550027A	10736
52 9203806 RI ACF	52	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	172550027A	10736
53 9203809 RI ACF	53	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.34	10	1	0	172550027A	10736
54 AR1641724B	54	CCAL	BJ	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
55 IBLKX1724B	55	PIBLK	CF	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736
56 9203812 RI ACF	56	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172550027A	10736
57 CONDITIONER	57	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
58 9203815 RI ACF	58	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	10	1	0	172550027A	10736
59 9203818 ACF DF5	59	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.03	50	1	0	172550027A	10736
60 CONDITIONER	60	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
61 9203821 ACF DF10	61	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	100	1	0	172550027A	10736
62 CONDITIONER	62	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
63 9203821 ACF DF50	63	T	AD	EPT-24\ACTIVE\CP25\25PCBS.MET	30.06	500	1	0	172550027A	10736
64 CONDITIONER	64	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
65 9203928 RI ACF	65	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	10	1	0	172550027A	10736
66 CONDITIONER	66	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
67 9203928 ACF DF5	67	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.15	50	1	0	172550027A	10736
68 CONDITIONER	68	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	
69 BLANKA 9/14/17 ACF	69	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172570022A	10736
70 LCSA 9/14/17 ACF	70	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172570022A	10736
71 9203930 ACF	71	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.07	10	1	0	172570022A	10736
72 9203930MS ACF	72	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.02	10	1	0	172570022A	10736
73 9203930MSD ACF	73	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.04	10	1	0	172570022A	10736
74 9203931 ACF DF5	74	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.36	50	1	0	172570022A	10736
75 9203932 ACF DF5	75	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.4	50	1	0	172570022A	10736
76 AR1641724B	76	CCAL	BK	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
77 IBLKX1724B	77	PIBLK	CG	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736
78 9205420 ACF DF10	78	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.17	100	1	0	172570022A	10736
79 9206028 ACF	79	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	10	1	0	172570022A	10736
80 9206028 ACF DF5	80	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172570022A	10736
81 9206430 ACF	81	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.11	10	1	0	172570022A	10736
82 9207065 ACF	82	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.35	10	1	0	172570022A	10736
83 9207067 ACF	83	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.45	10	1	0	172570022A	10736
84 9207068 ACF	84	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.27	10	1	0	172570022A	10736
85 9207070 ACF	85	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.33	10	1	0	172570022A	10736
86 9207074 ACF DF5	86	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	30.1	50	1	0	172570022A	10736
87 BLANKA 9/15/17 ACF	87	BLK	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172580022A	10736
88 LCSA 9/15/17 ACF	88	LCS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30	10	1	0	172580022A	10736
89 9209911 RI ACF	89	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.17	10	1	0	172580022A	10736
90 9209911MS ACF	90	MS	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.32	10	1	0	172580022A	10736
91 9209911MSD ACF	91	MSD	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.14	10	1	0	172580022A	10736
92 9209912 RI ACF	92	T	AB	EPT-24\ACTIVE\CP25\25PCBS.MET	30.24	10	1	0	172580022A	10736
93 AR1641724B	93	CCAL	BL	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726199999	10736
94 IBLKX1724B	94	PIBLK	CH	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726199999	10736

2302 9/19/17

Set-up by: 2855 Date: 19Sept17

9/19/2017

Eurofins Lancaster Laboratories

CHROM PERFECT SEQUENCE FILE

Sequence File: \\Uslan-chromperfect\chromperfect-data\Dept-24\Active\CP25\25PCBS17257007.seq

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

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

Number of Entries: 16

	Samplename	VP	Code	ID	Method	Samp Amt	DF	Int Std	C	Batch Number	Analysis
1	CONDITIONER	1	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	
2	CONDITIONER	2	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	
3	CONDITIONER	3	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	
4	CONDITIONER	4	MISC	AA	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	
5	AR1641724B	5	CCAL	BX	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	10736
6	IBLKX1724B	6	PIBLK	CV	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726399999	10736
7	9202625 ACF DF5	7	T	AF	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	50	1	0	172560011A	10225
8	9202625 ACF DF10	8	T	AG	EPT-24\ACTIVE\CP25\25PCBS.MET	10.3	100	1	0	172560011A	10225
9	BLANKA 9/20/17 CAF	9	BLK	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172620042A	10591
10	LCSA 9/20/17 CAF	10	LCS	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172620042A	10591
11	LCSDA 9/20/17 CAF	11	LCSD	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	250	2	1	0	172620042A	10591
12	9214022 CAF	12	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	247	2	1	0	172620042A	10591
13	9216023 CAF	13	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	242	2	1	0	172620042A	10591
14	9216024 CAF	14	T	AC	EPT-24\ACTIVE\CP25\25PCBS.MET	248	2	1	0	172620042A	10591
15	AR1641724B	15	CCAL	CB	EPT-24\ACTIVE\CP25\25PCBS.MET	1	1	1	0	1726399999	10736
16	IBLKX1724B	16	PIBLK	CZ	EPT-24\ACTIVE\CP25\25PCBS.MET	1000	10	1	0	1726399999	10736

9/21/17

Set-up by: 2855 Date: 21SEPT17

9/21/2017

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:33:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6532	8098
2.112		6332	16456
2.259		11067	8250
2.357		18053	15390
2.397		1809	2902
2.463		370	216
2.517		4711	5322
2.616		671	495
2.691		376	518
2.763		240	187
2.805		19403	18454
2.871		447	206
2.921		3163	2794
2.959	TCX	2268307	1533072
3.053		653	889
3.155		29276	19795
3.234		412	317
3.286		8480	7097
3.363		558	518
3.412		635	837
3.466		544	407
3.533		1389	2252
3.597		1066	652
3.63		2791	2916
3.706		1230	2024
3.759		1212	1349
3.843		832	998
3.907		345	318
3.933		473	147
3.959		3419	3726
3.996		324	133
4.029		381	265
4.069		221	185
4.138		487	367
4.203		383	305
4.241		664	540
4.296		3918	5074
4.366		358	276
4.412		754	771
4.469		518	585
4.524		391	333
4.552		646	505
4.605		1387	1249
4.645		4253	5050
4.687		372	116
4.746		814	1236
4.878		586	737
4.914		4089	3497
4.936		1576	927
5.007		5063	6691
5.071		651	395
5.102		1572	1802
5.153		5536	5424
5.208		252	213

RT A	Compound A	Height A	Area A
5.234		574	473
5.317		175	562
5.357		5266	7233
5.403		514	328
5.414		440	163
5.477		398	252
5.524		360	558
5.558		6643	6911
5.682		12858	15859
5.759		390	146
5.798		450	634
5.82		409	261
5.926		601	1533
5.948		505	172
5.992		3798	5509
6.053		15512	15974
6.117		16810	21799
6.277		2976	4137
6.32		3823	4599
6.403		522	945
6.426		630	449
6.465		791	753
6.49		21193	20584
6.543		3011	3776
6.639	DCB	2022941	2167658
6.802		1566	1758
6.849		400	426
6.916		6687	12048
6.982		889	624

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:33:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.019		10624	20937
2.083		7309	4777
2.183		2801	3534
2.235		1938	3849
2.268		3184	6063
2.387		2378	4322
2.554		4536	4871
2.575		41428	34291
2.642	TCX	3471872	2052343
2.859		51093	31661
2.975		9533	6537
3.085		659	373
3.091		400	82
3.099		834	239
3.115		2561	1952
3.141		1436	760
3.162		800	764
3.178		835	228
3.188		1236	505
3.214		1550	947
3.299		1092	504
3.318		2218	1617
3.356		2043	1651
3.42		2401	4877
3.459		1545	1588
3.48		1855	1297
3.517		1472	2262
3.612		3619	9552
3.667		3988	11043
3.756		1757	2083
3.916		4202	5662
3.981		2182	3310
4.187		4589	10215
4.473		11738	21090
4.617		4521	3795
4.697		7616	9686
4.748		1987	2181
5.054		1967	3449
5.092		9331	8562
5.213		12651	12238
5.451		1137	10075
5.553		24567	24127
5.622		25466	23881
5.672		7980	7679
5.928		1901	6133
5.973		27657	24928
6.132	DCB	2772516	2643818
6.258		13027	39448
6.44		2822	5572
6.588		3654	6672
6.776		1358	8230

IBLKX1724B AAPIBLKAA PIBLK1725699999 10736 SW-846 8082

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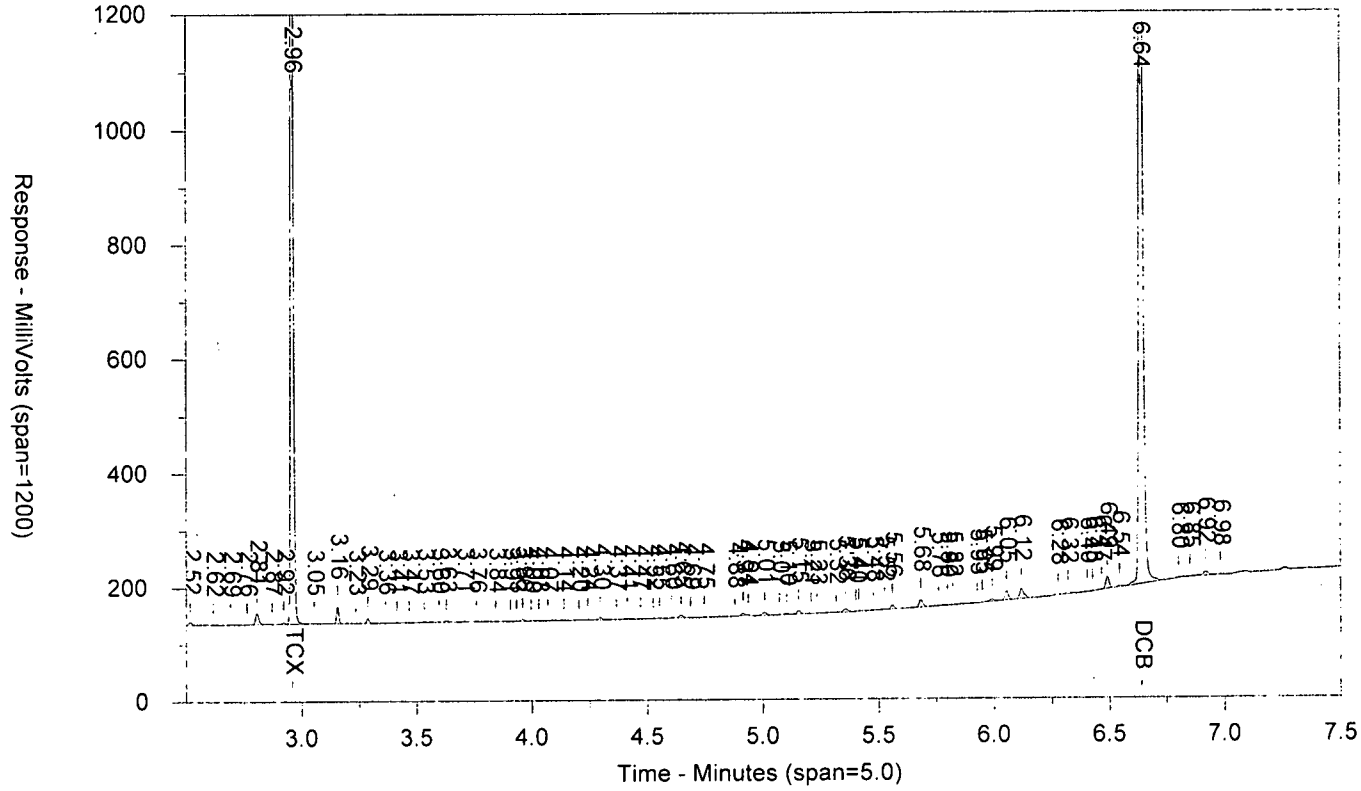

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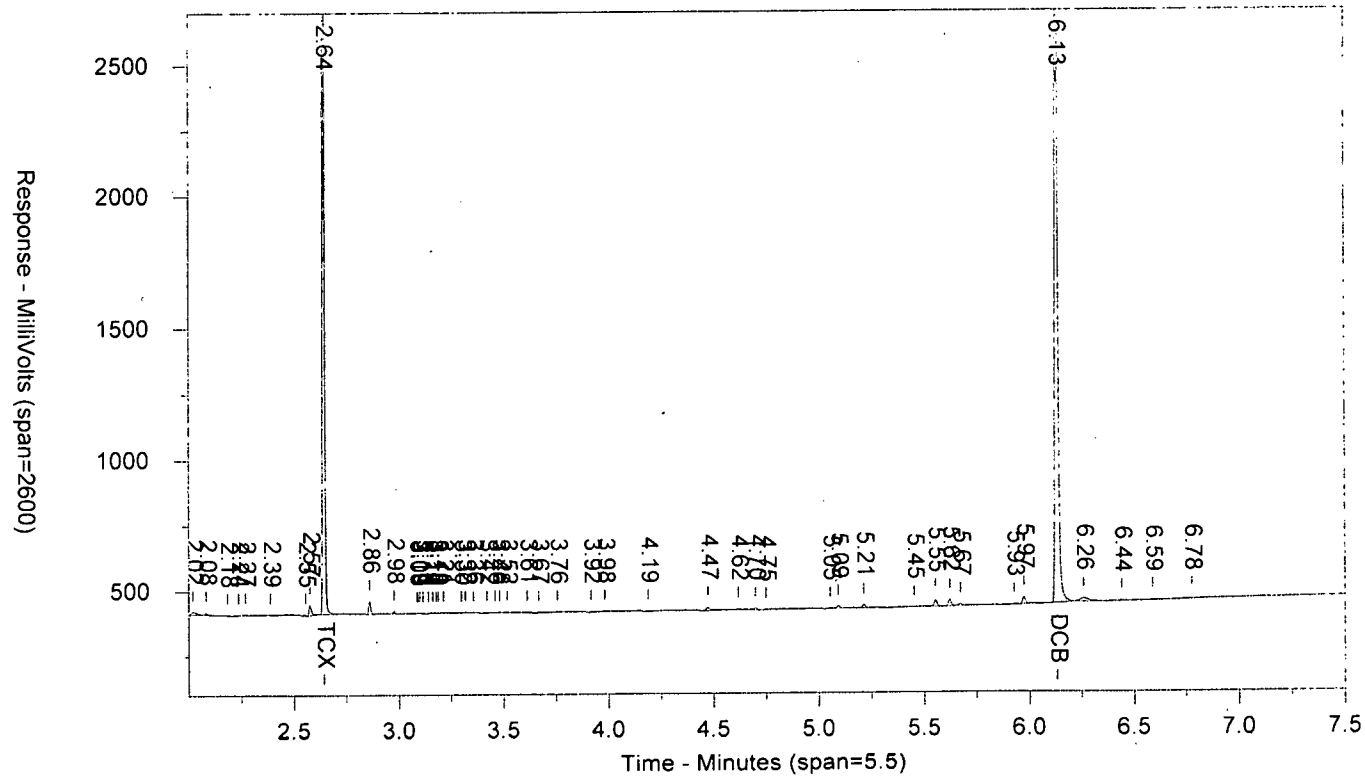

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AAPIBLKAA PIBLK1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:33:58 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2268307	.2	TCX	2.642	3471872	.194	TCX
6.639	2022941	.193	DCB	6.132	2772516	.179	DCB

Files:
Area File: 25pcbs17257002.005.RAW
Area File: 25pcbs17257002B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 4:42:29 PM
File Reported On: 9/14/2017 at 4:42:41 PM

IBLKX1724B AAPIBLKAA PIBLK1725699999 10736 SW-846 8082

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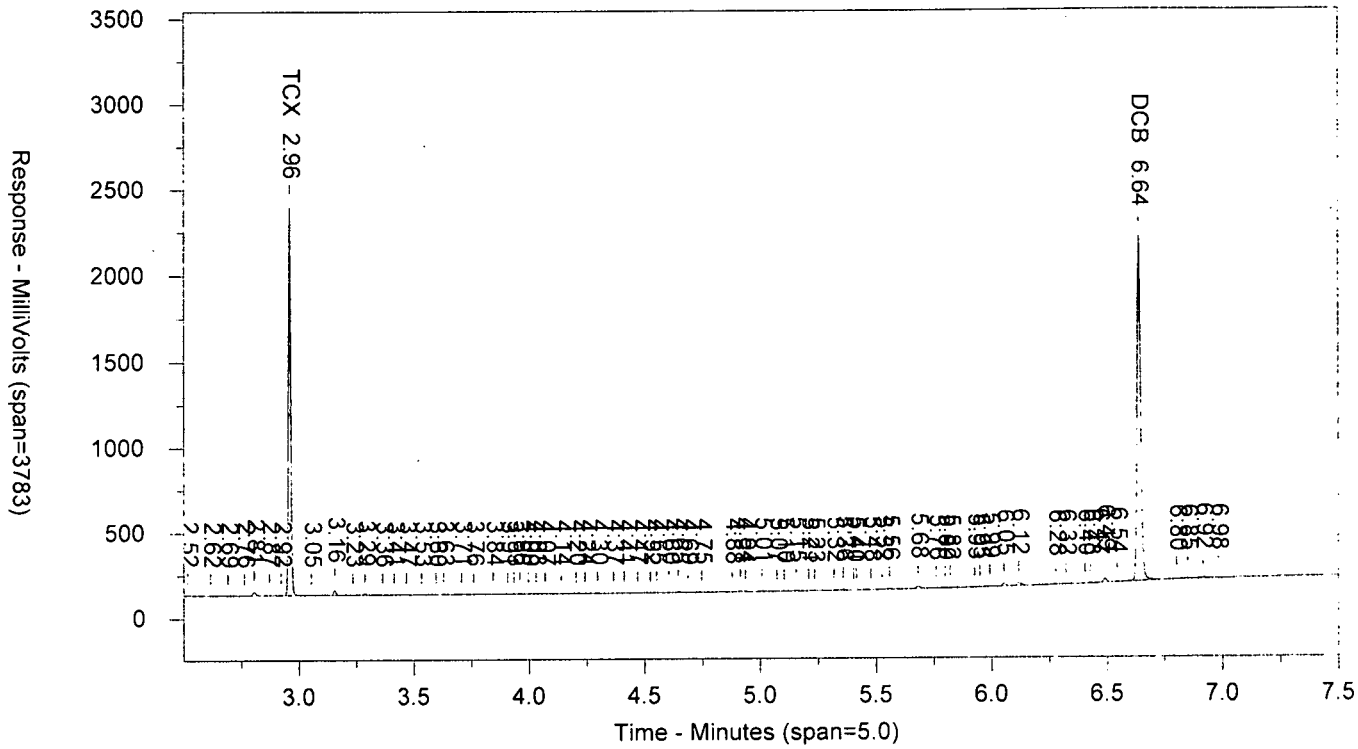

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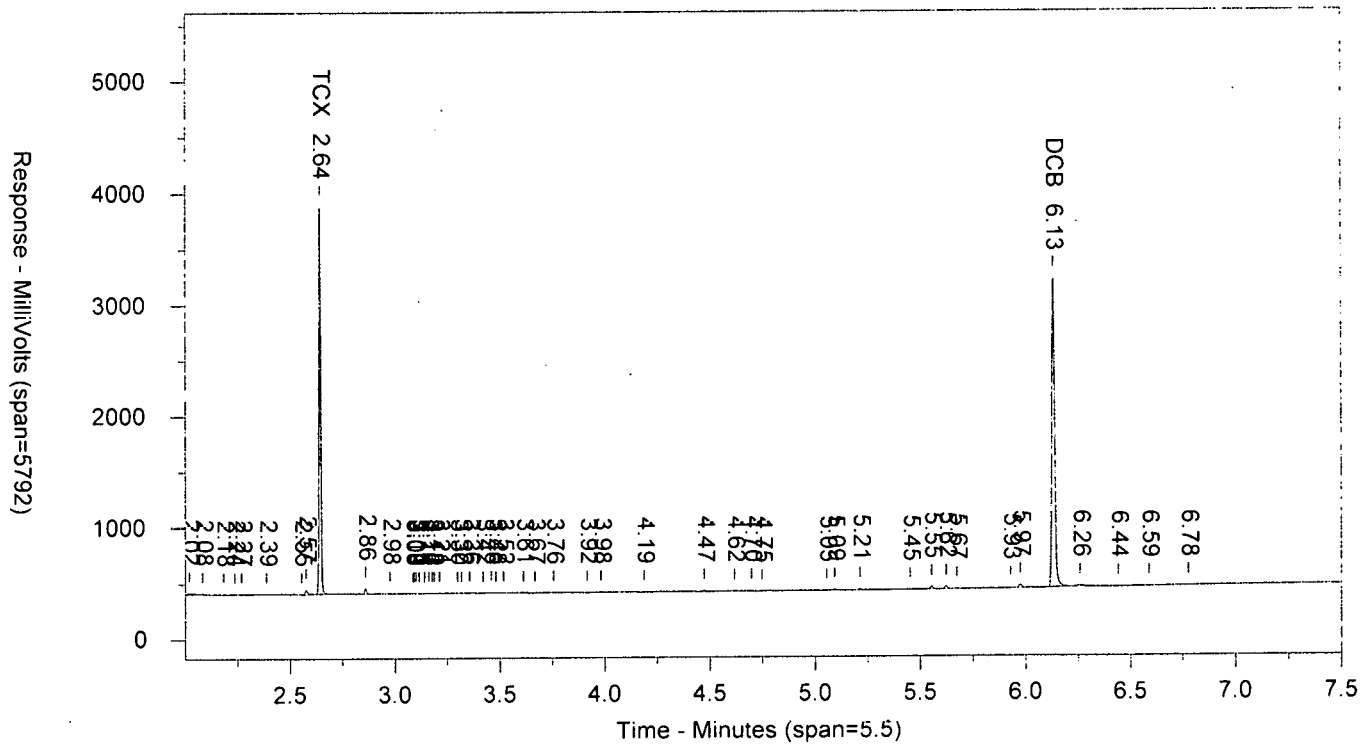

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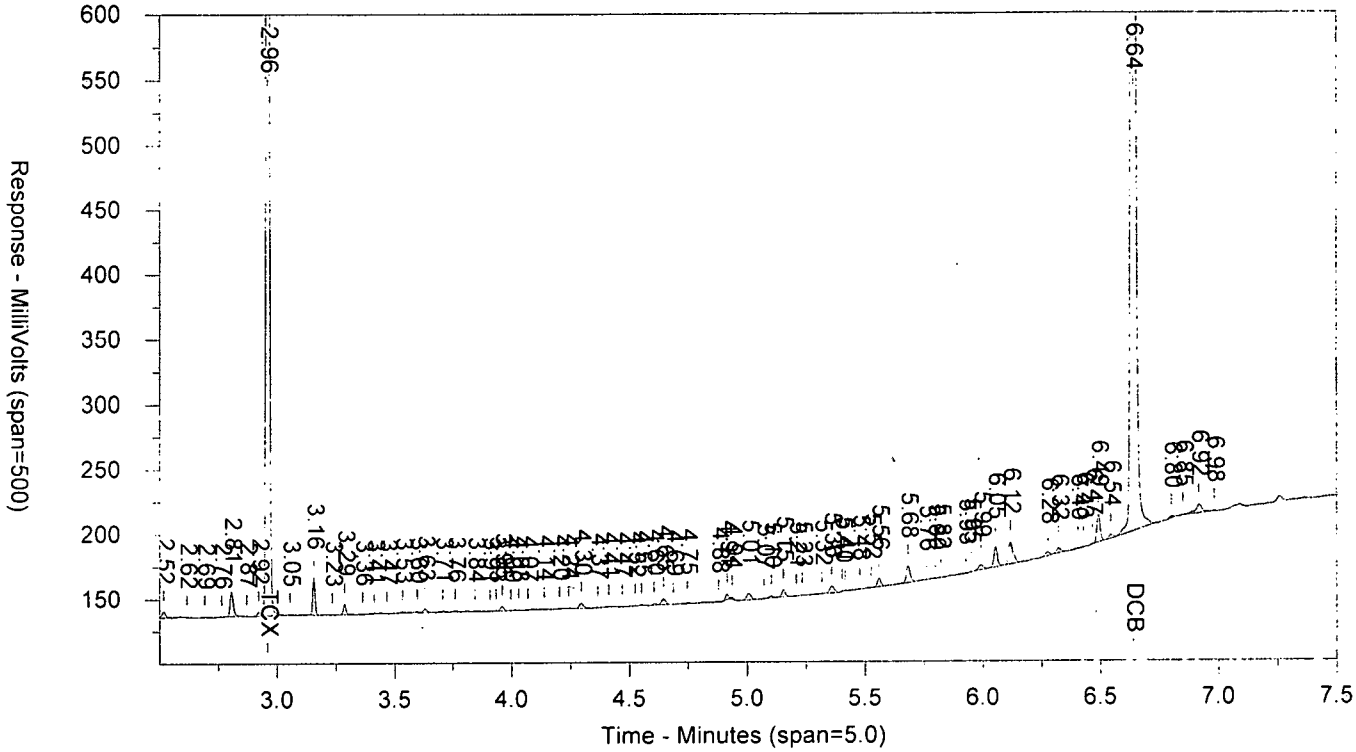

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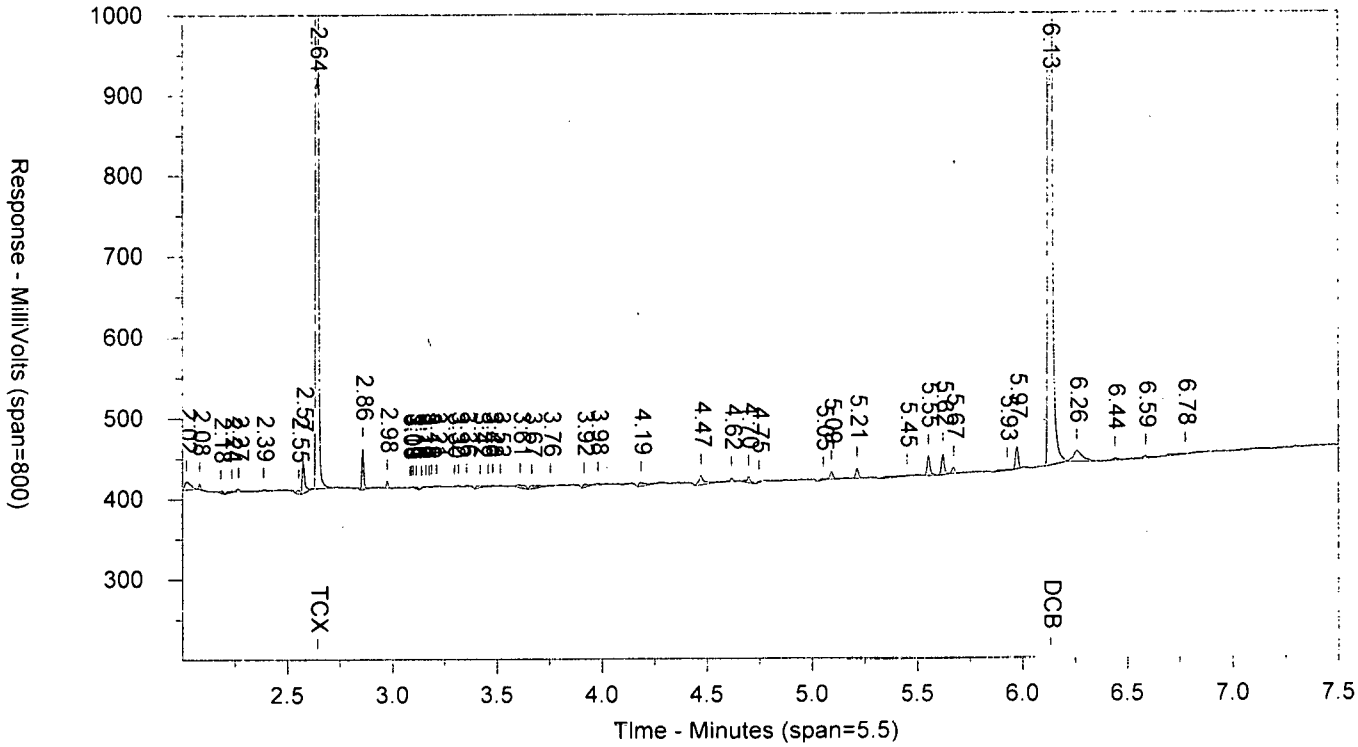

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:45:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.018		333	142
2.064		5821	8799
2.111		4709	7313
2.157		11539	7411
2.19		427	216
2.235		1555	949
2.26		10349	6693
2.363		87830	61038
2.393		1239	1954
2.532		118982	82046
2.569		1044	773
2.619		510	258
2.747		262	47
2.766		599	329
2.783		397	175
2.806		12572	11844
2.873		587	373
2.9		773	434
2.923		2374	1787
2.96	TCX	2245248	1514423
3.048		1125	1136
3.113		481	399
3.156		28529	19742
3.236		1473240	973761
3.287		7347	5338
3.337		1050	1195
3.399		476	343
3.433		788755	538779
3.469		2157	1743
3.516		763	440
3.544		441129	315412
3.598		911	514
3.631		4644	3954
3.658		3204	2089
3.69		1073	903
3.723		27837	20366
3.745		1097	534
3.76		1832	1147
3.785		1219	848
3.84		216453	172692
3.869		8302	5081
3.891		1218	948
3.959		3761	3432
4.005		394	468
4.03		9295	8043
4.064		1375	778
4.079		2347	1369
4.112		42295	39007
4.159		5034	5501
4.202		28123	23621
4.235		38688	26556
4.252		35134	22507
4.298		3313	3329
4.323		2966	2320

RT A	Compound A	Height A	Area A
4.378		19317	15411
4.412		702728	652299
4.532		32075	33901
4.565		5893	4348
4.58		13282	8394
4.606		52539	43276
4.646		3449	3373
4.677		6717	5558
4.73		329667	327925
4.804		3093	2253
4.831		568176	556528
4.871		2571253	2441918
4.922		51972	42781
4.975		616230	599702
5.055		180954	194366
5.125		323784	339866
5.211		186462	185163
5.289		19905	24093
5.363		4274	6630
5.428		785494	808386
5.492		60509	55492
5.52		8216	6320
5.569		178574	182250
5.612		154591	127376
5.632		4761	1894
5.651		359421	316518
5.68		4657	3352
5.759		472	252
5.777		454	194
5.831		516	466
5.898		1328	1143
5.925		781	499
5.991		2961	4257
6.052		16823	16702
6.117		17240	21277
6.182		571	436
6.277		2327	3021
6.322		3762	4467
6.374		754	716
6.422		921	1187
6.456		735	317
6.49		21062	21939
6.547		2659	3317
6.596		1134	718
6.64	DCB	2138441	2216369
6.737		473	119
6.773		787	488
6.808		1197	1507
6.828		715	228
6.88		318	758
6.919		6383	9006
6.956		702	446
6.983		965	867

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:45:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		8657	16944
2.083		7288	4204
2.145		1255	1353
2.182		141027	82834
2.234		4215	5525
2.262		3257	5954
2.349		194918	114517
2.395		2808	2481
2.547		11152	8295
2.575		33335	43498
2.642	TCX	3573730	2030290
2.731		2902	4074
2.806		1271	954
2.86		50614	32608
2.914		2399	2966
2.987		2105775	1193709
3.078		839	277
3.108		3126	3108
3.13		714	130
3.141		3129	1534
3.158		424	70
3.169		667	121
3.178		588	203
3.196		1151858	661524
3.297		3055	2011
3.319		1621	681
3.336		4981	2867
3.358		3207	1411
3.376		637151	391524
3.427		3441	2608
3.459		2642	1248
3.479		2512	1161
3.5		359188	239348
3.531		14748	8390
3.575		7747	6648
3.662		2062	1154
3.701		2531	3258
3.791		34075	18361
3.808		53175	39097
3.842		11743	7480
3.869		73468	46405
3.888		72313	44675
3.922		8875	10878
3.983		3926	9734
4.023		1004787	782631
4.123		43066	32151
4.155		41865	26029
4.179		61465	68102
4.222		26935	22185
4.276		31951	35005
4.338		5341	5438
4.399		433274	363878
4.458		3489739	2931451
4.499		86038	63818

RT B	Compound B	Height B	Area B
4.552		905856	766629
4.594		9487	6066
4.616		7711	6502
4.663		51057	44033
4.692		14839	12328
4.729		263409	227517
4.79		428434	354042
4.823		206519	161689
4.902		29216	26442
4.938		6925	4962
4.971		5849	5538
5.057		928100	964014
5.159		249838	224634
5.214		5287	3156
5.234		69564	58333
5.289		16569	23156
5.336		734049	653521
5.392		116268	97407
5.553		24258	24820
5.621		24831	23552
5.671		6134	5251
5.699		3119	3146
5.895		1222	2559
5.974		29601	25804
6.132	DCB	2919737	2753148
6.259		13324	38317
6.585		3343	2794
6.753		2634	12168
6.938		2175	19326

EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082

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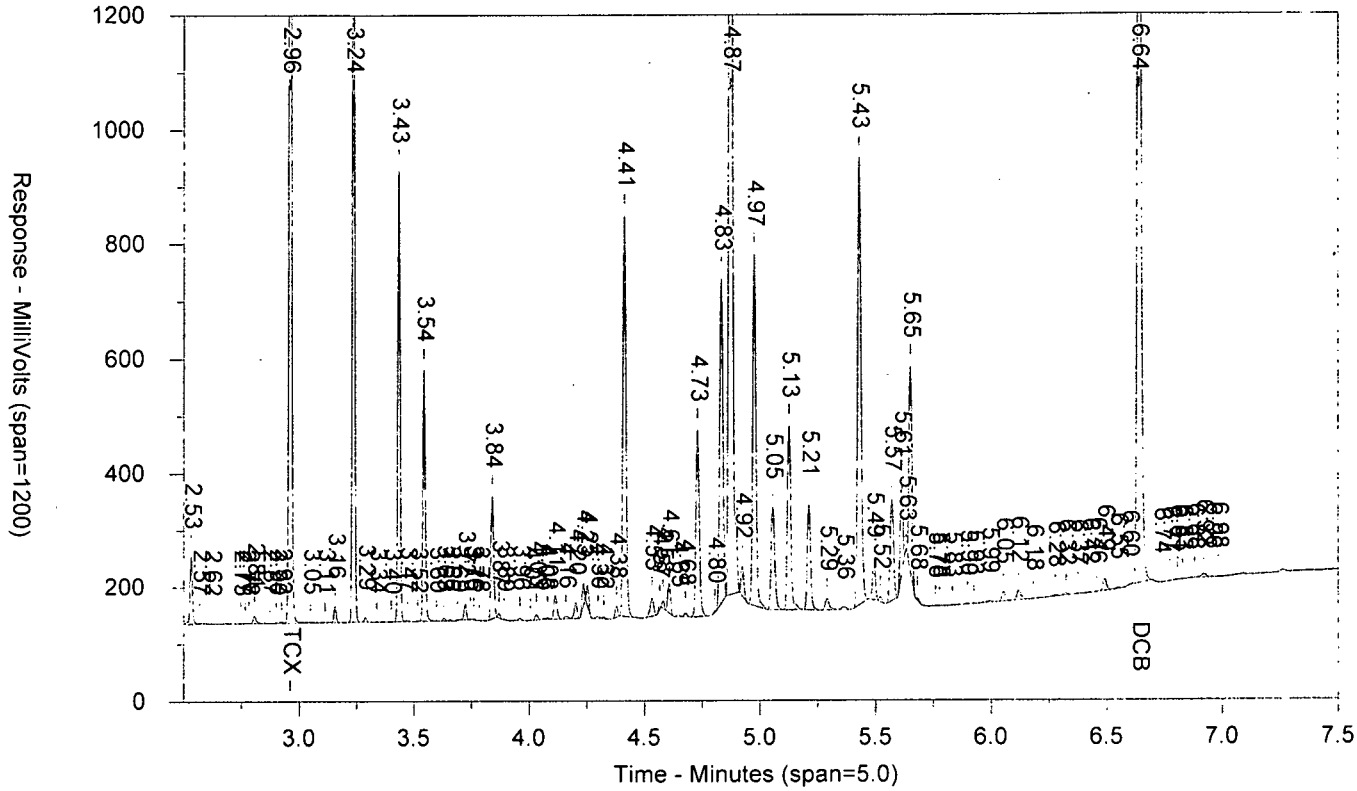

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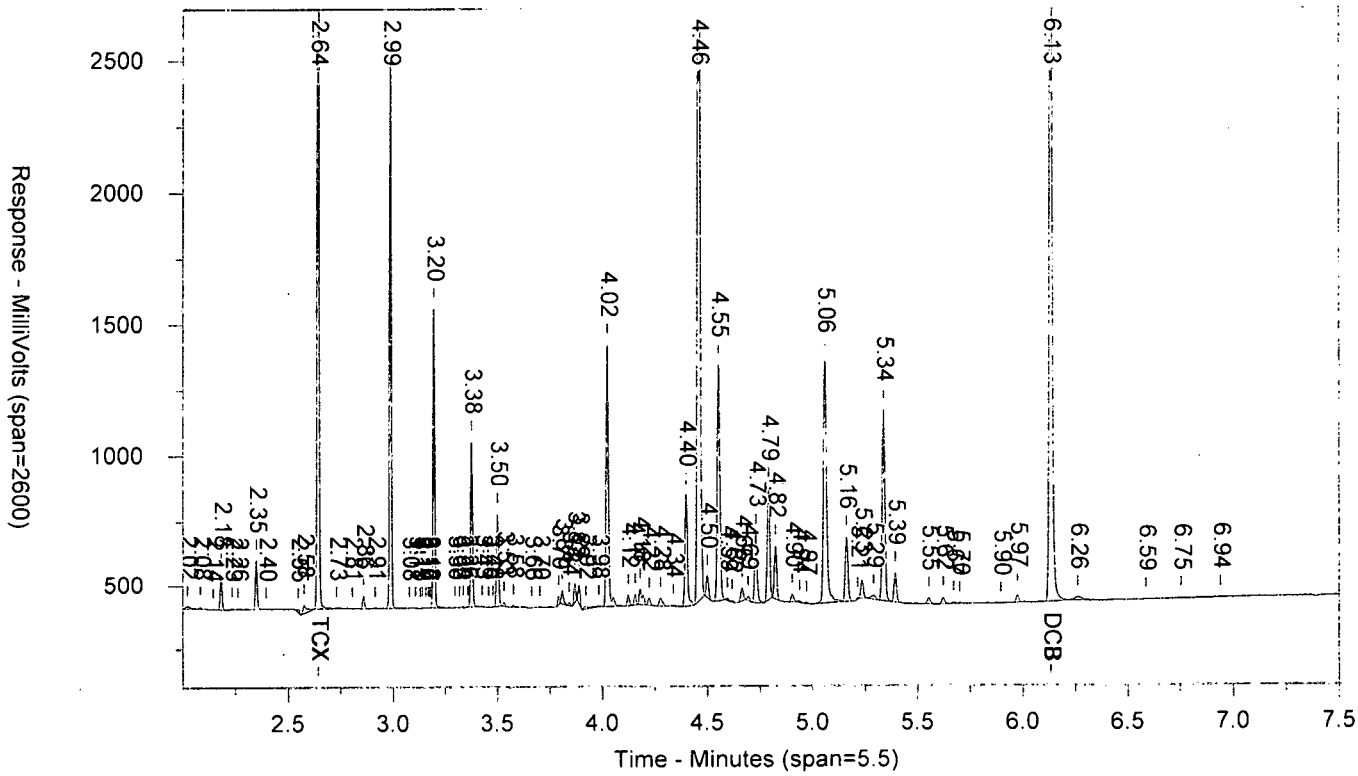

LANCASTER LABORATORIES

Sample Number: EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:45:17 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	2245248	19.762	TCX	2.642	3573730	19.994	TCX
6.64	2138441	20.375	DCB	6.132	2919737	18.826	DCB

Files:
Area File: 25pcbs17257002.006.RAW
Area File: 25pcbs17257002B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 4:53:48 PM
File Reported On: 9/14/2017 at 4:53:57 PM

EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082

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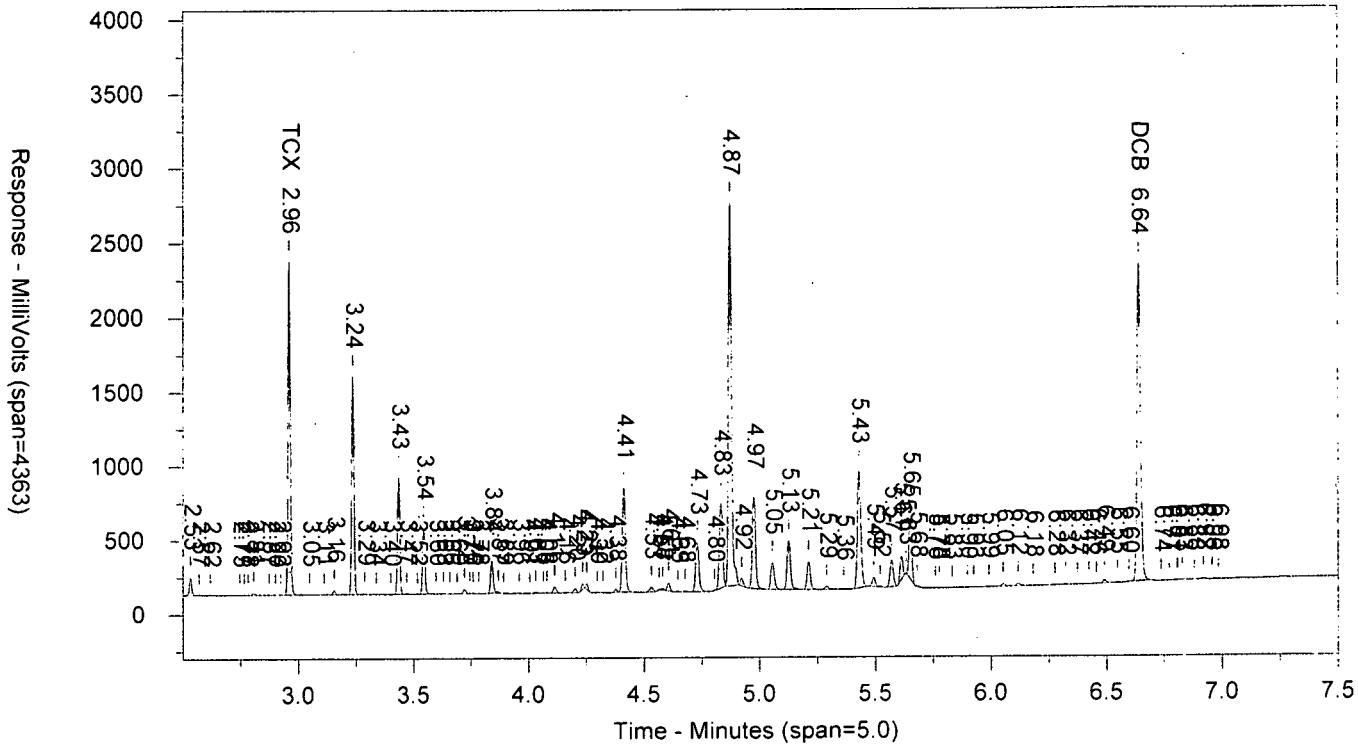

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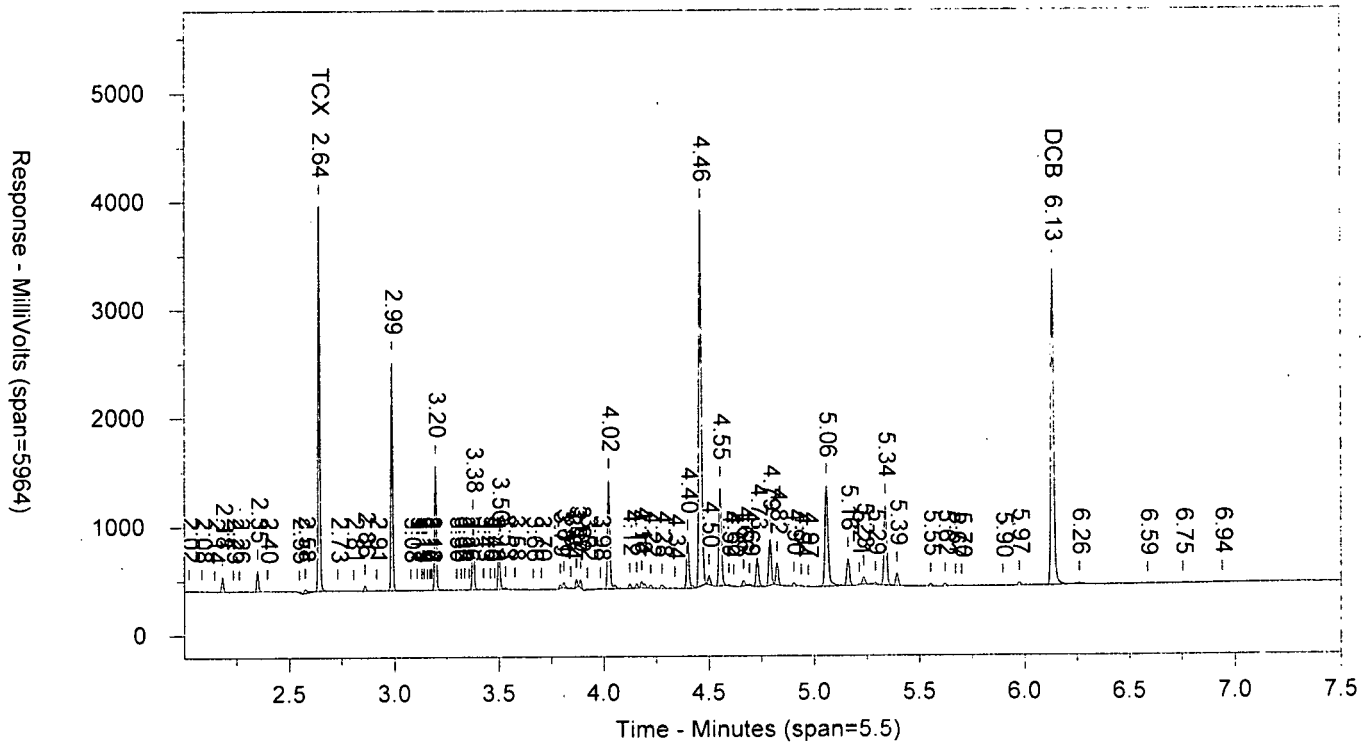

EVALX1724A AAEVALXAA ICAL 1725699999 10736 SW-846 8082

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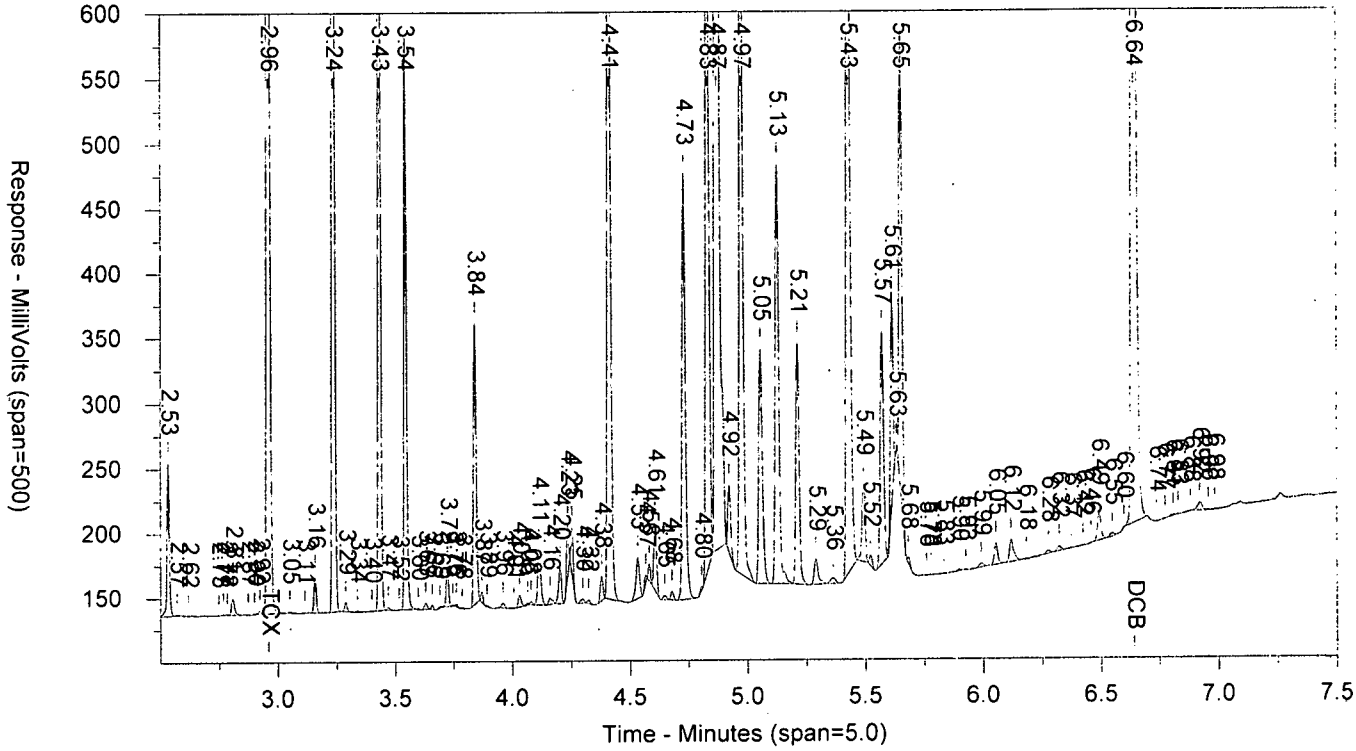

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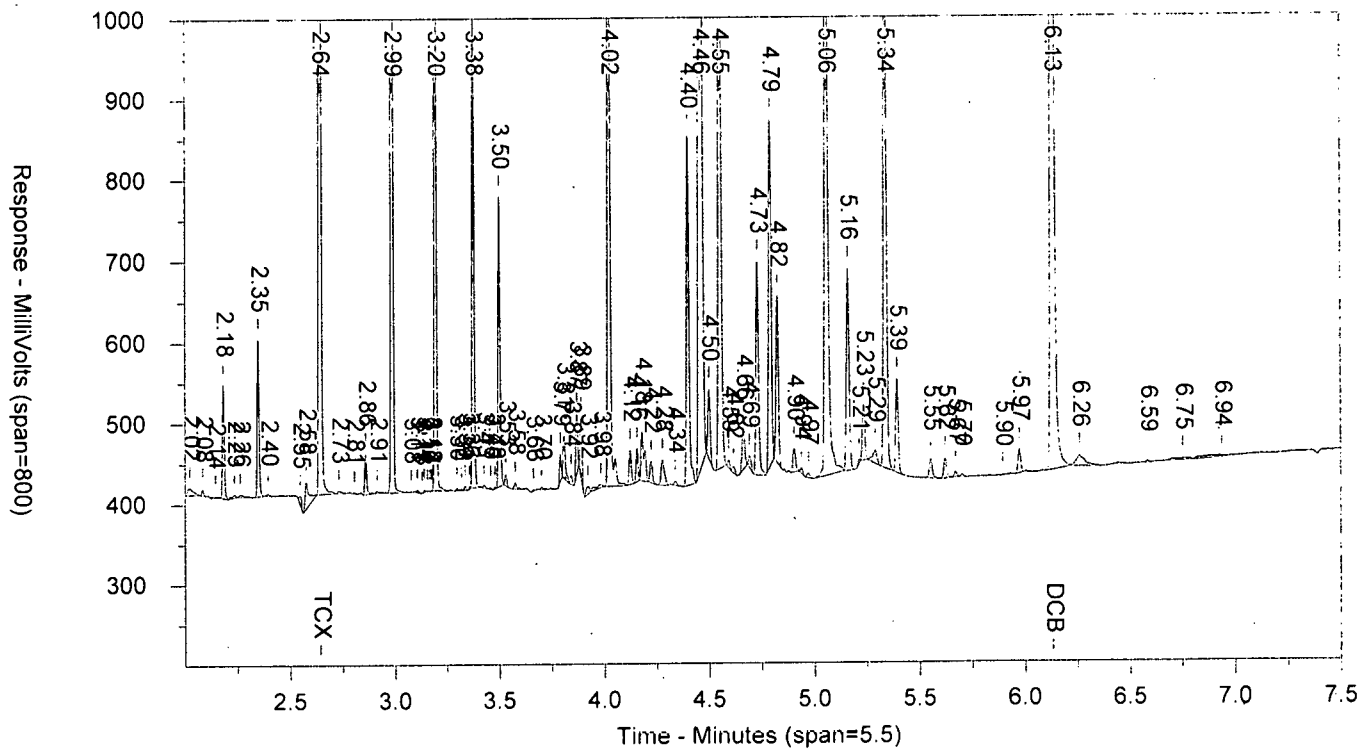

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:57:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.007.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.066		5469	7389
2.113		4303	8448
2.197		872	1072
2.245		275	235
2.26		1298	779
2.359		10222	7473
2.399		1757	3078
2.47		459	181
2.519		4251	5441
2.597		740	1134
2.683		516	597
2.706		416	285
2.807		7381	6904
2.924		2709	2733
2.96	TCX	230300	158225
3.052		917	1295
3.107		7732	6838
3.163		11593	9230
3.211		53542	37310
3.29		1000	541
3.306		5136	3025
3.399		377	337
3.428		54184	32864
3.445		23685	13196
3.483		6182	3401
3.51		4064	3630
3.544		68115	51053
3.621		1156	757
3.636		544	225
3.656		13452	7596
3.671		7116	3463
3.714		27503	16930
3.725		64677	34112
3.762		81853	62776
3.82		69554	52736
3.861		5120	3759
3.889		47360	35678
3.917		32210	26604
3.938		8532	4537
3.964		1750	1405
4.013		54740	38949
4.037		18761	12031
4.069		20238	14358
4.102		53269	53450
4.142		16722	13047
4.19		2432	2190
4.23		3234	2387
4.263		53110	38374
4.281		8127	4006
4.305		14823	11935
4.376		8400	7369
4.419		59433	57761
4.454		1205	656
4.512		478	296

RT A	Compound A	Height A	Area A
4.559		4990	4867
4.609		6598	4125
4.624		13417	9291
4.67		35363	32606
4.719		56324	63503
4.756		11144	7639
4.795		132817	131567
4.882		20686	22516
4.915		1134	713
4.942		26114	25936
4.995		166776	219352
5.045		31498	28335
5.085		76323	86577
5.165		14675	16669
5.198		196658	221023
5.265		101224	96661
5.307		60545	59742
5.362		3047	3370
5.401		22656	17391
5.426		104494	99026
5.483		57107	54037
5.521		30507	30387
5.564		5422	5473
5.604		37584	40718
5.661		273544	300362
5.766		820	878
5.801		434	241
5.819		466	286
5.865		173568	171063
5.898		6671	5458
5.921		38215	41856
5.962		1119	919
5.993		2594	2991
6.056		4310	4120
6.108		2136	1417
6.136		31426	30417
6.292		81120	81309
6.334		5176	6384
6.412		570	750
6.439		703	466
6.494		22140	21880
6.553		1449	1864
6.645	DCB	243072	276974
6.703		1755	1755
6.786		273	838
6.819		778	1594
6.85		465	351
6.897		740	1368
6.925		6418	9148
6.981		584	231
6.989		923	400

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:57:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.007.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		8299	17163
2.226		1044	1690
2.262		2921	5514
2.362		1236	858
2.389		2514	4119
2.546		7255	6238
2.575		20878	23225
2.641	TCX	350335	213833
2.685		7684	6190
2.812		16371	13024
2.859		3680	1723
2.873		16583	8634
2.925		89040	53870
2.98		1666	2059
3.036		11260	7820
3.071		998	219
3.082		663	161
3.107		667	258
3.132		73973	36441
3.143		25171	9184
3.183		11891	7019
3.204		5479	3386
3.231		8592	4781
3.255		102489	68765
3.291		3484	2208
3.338		26968	14139
3.354		15067	7515
3.404		56723	29524
3.414		107372	44891
3.434		4238	1589
3.448		103002	71874
3.523		109578	69977
3.558		78454	49169
3.582		81942	47760
3.6		27259	14304
3.686		100172	96809
3.73		29857	17828
3.76		21894	11405
3.777		72975	47072
3.817		29506	20815
3.866		3394	3153
3.887		17322	10731
3.909		96193	65881
3.935		17740	13157
3.974		11721	7328
4.009		84904	62101
4.058		8938	12489
4.155		8225	12241
4.211		23816	21668
4.253		25818	16248
4.284		83586	84820
4.311		33688	33334
4.363		184554	159714
4.409		2803	2101

RT B	Compound B	Height B	Area B
4.434		16421	11210
4.457		41926	30991
4.499		230917	196110
4.602		172232	190544
4.656		24227	18946
4.694		56394	49958
4.731		208713	185049
4.762		111335	85077
4.801		80168	66630
4.899		26486	29128
4.95		156467	167813
5.025		79998	74890
5.06		38756	31628
5.089		27896	23347
5.144		346454	335420
5.184		6752	4856
5.216		13370	12146
5.334		3818	2368
5.357		79255	68181
5.402		235579	266623
5.501		3112	2911
5.554		6283	5743
5.6		5379	3646
5.623		5262	3889
5.673		46192	42901
5.778		105048	91162
5.808		5512	4165
5.874		1996	2244
5.976		31048	32727
6.135	DCB	334748	328555
6.261		14736	51701
6.446		3047	7692
6.723		1561	4254
6.927		1248	6865

AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082

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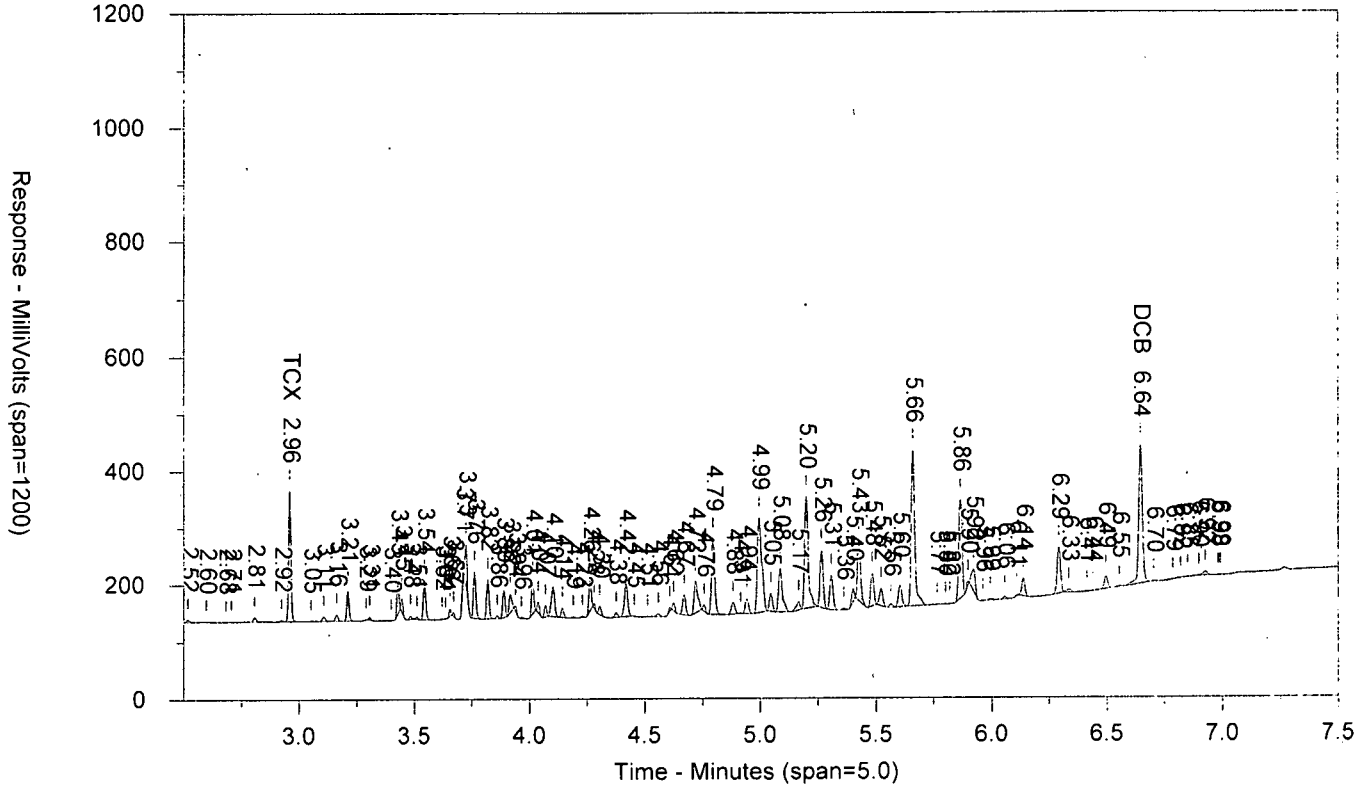

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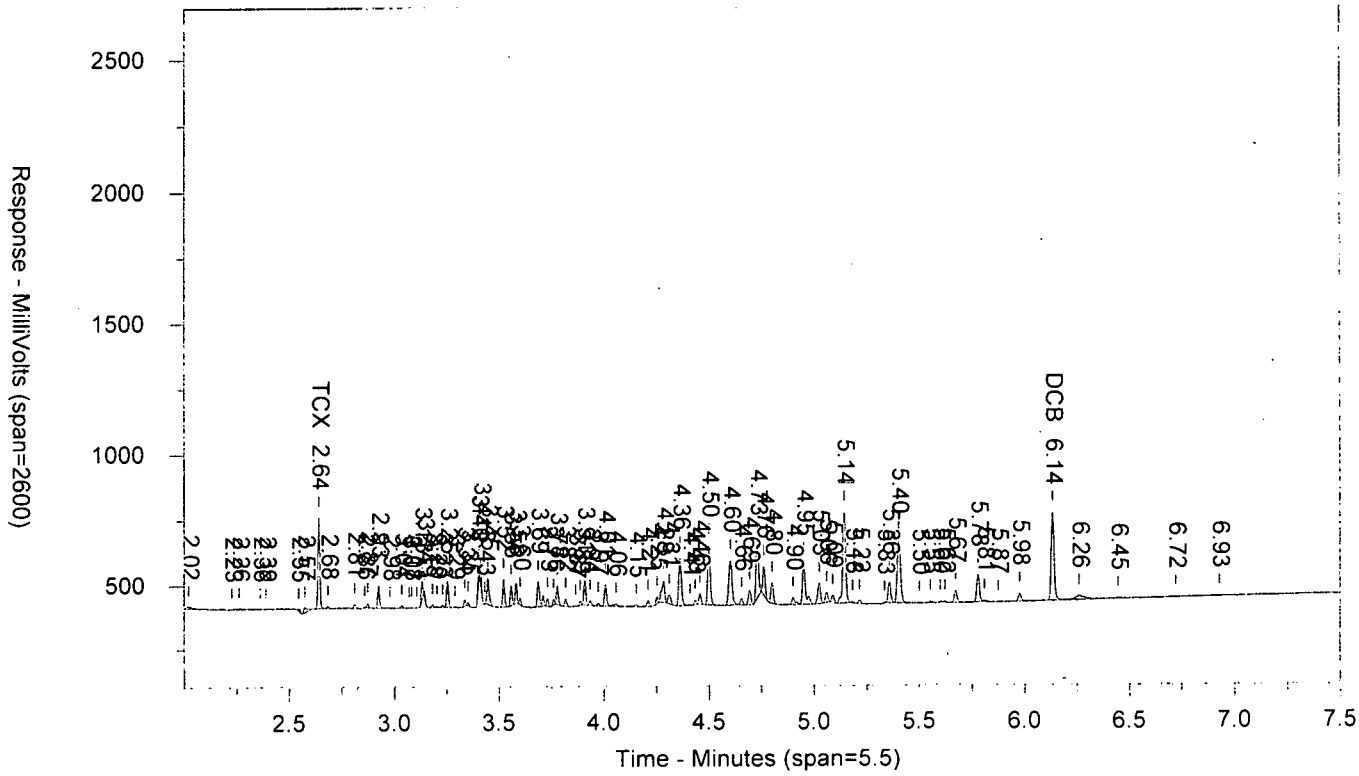

LANCASTER LABORATORIES

Sample Number: AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 4:57:04 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	230300	2.027	TCX	2.641	350335	1.96	TCX
6.645	243072	2.316	DCB	6.135	334748	2.158	DCB

Files:
Area File: 25pcbs17257002.007.RAW
Area File: 25pcbs17257002B.007.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 5:05:35 PM
File Reported On: 9/14/2017 at 5:05:47 PM

AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082

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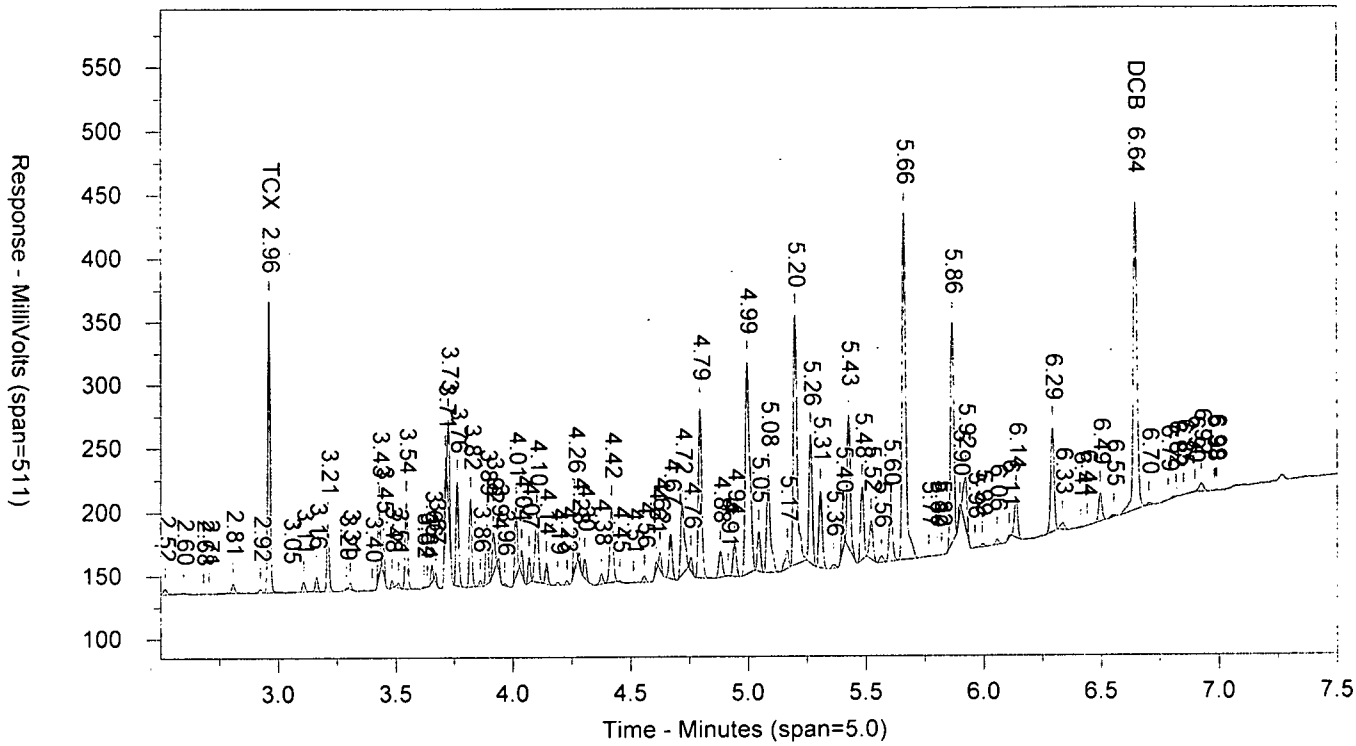

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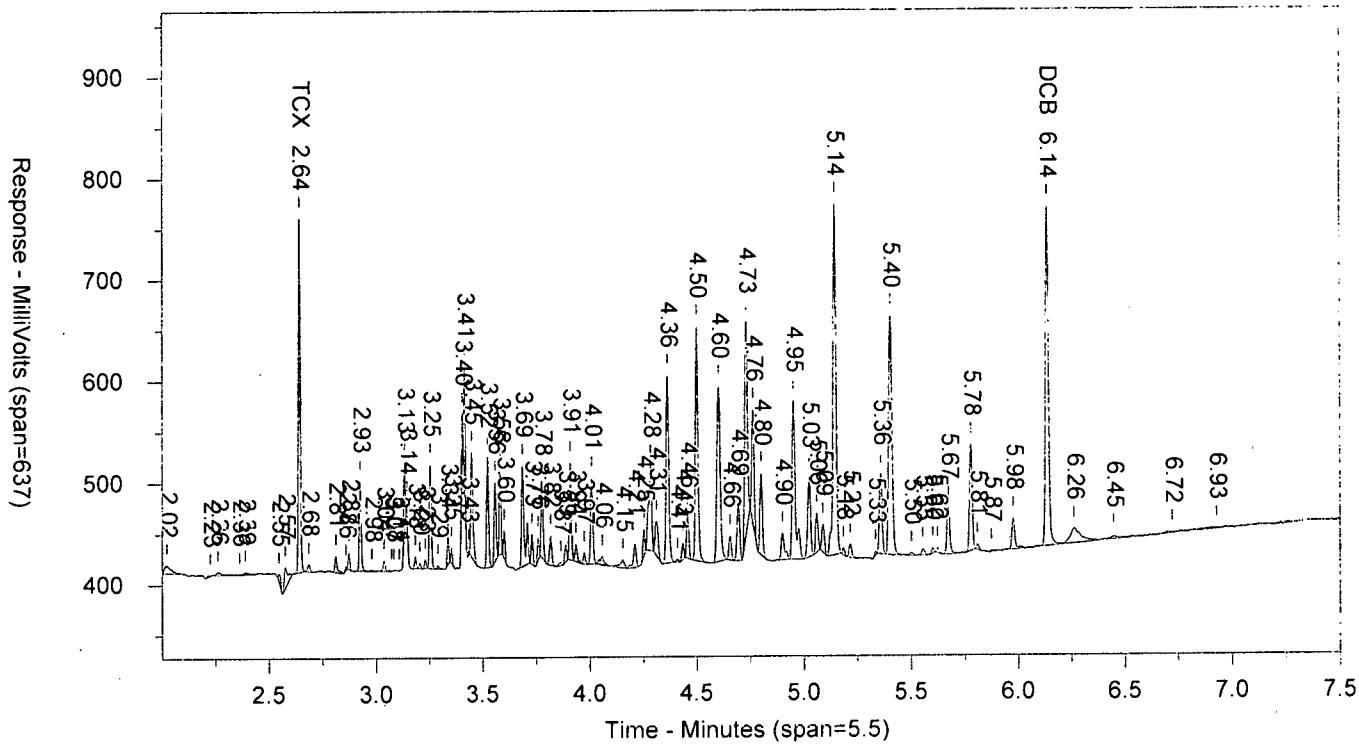

AR1611724B AAAR161AA ICAL 1725699999 10736 SW-846 8082

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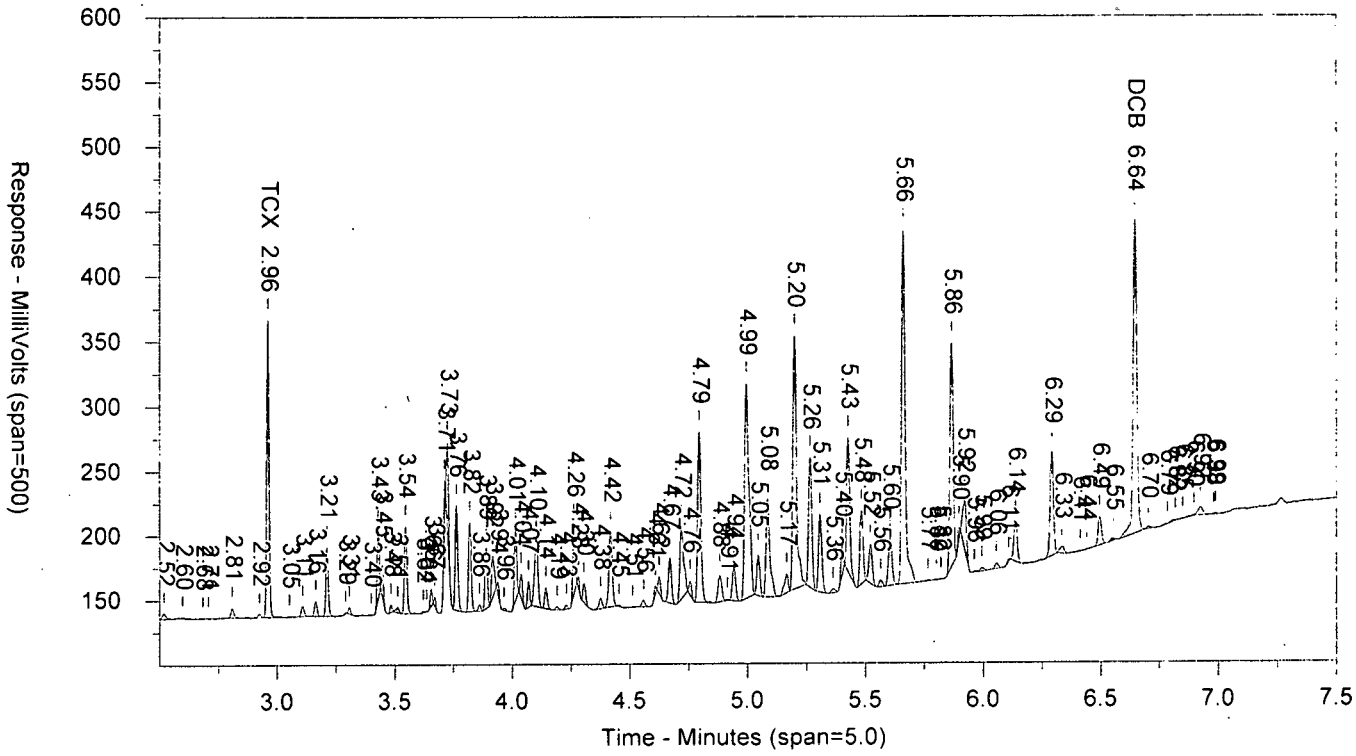

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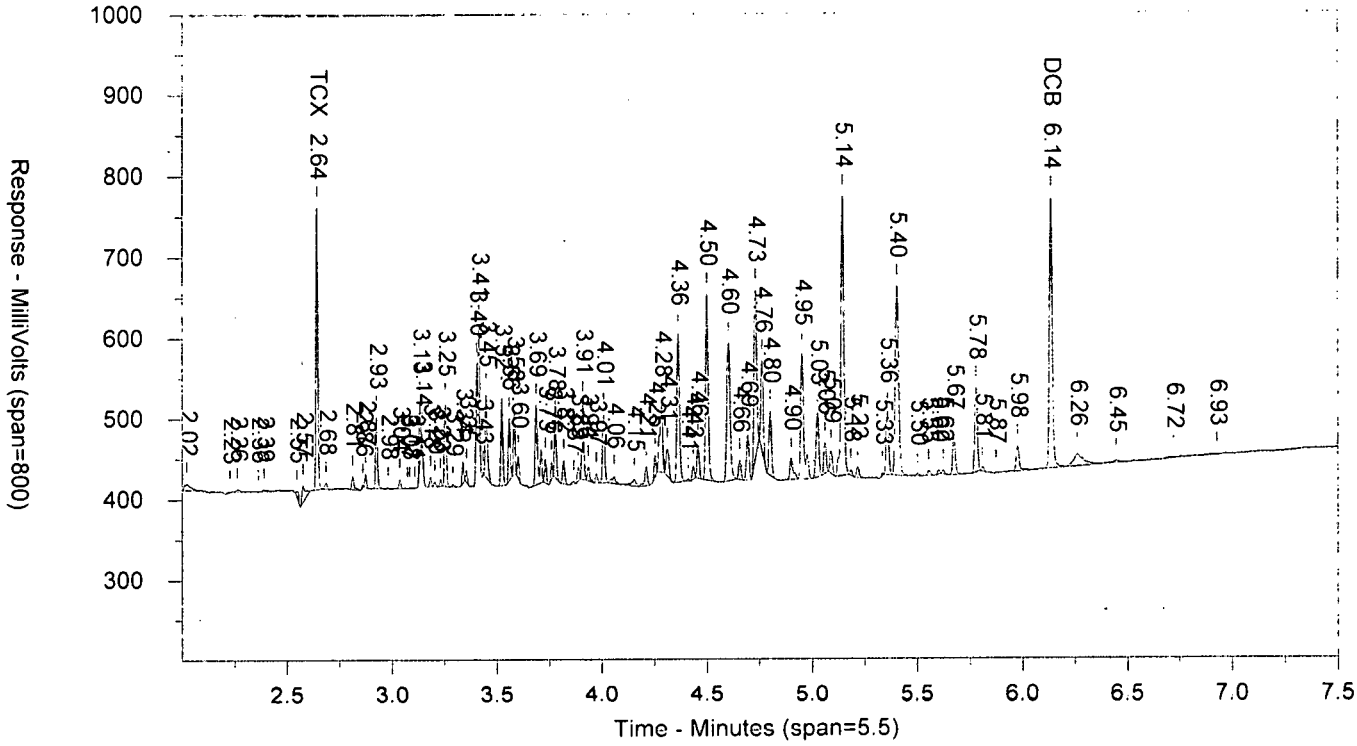

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:08:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.008.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.068		4893	7075
2.109		5465	15759
2.245		381	165
2.259		2125	1433
2.358		11200	8403
2.396		1528	2316
2.517		3777	4975
2.597		1251	1122
2.687		500	674
2.767		196	212
2.807		20298	19998
2.904		497	208
2.924		1934	1417
2.96	TCX	424254	294747
3.048		555	473
3.105		14672	12980
3.162		21310	17578
3.21		96931	69439
3.288		779	378
3.304		10571	6836
3.385		553	318
3.426		100739	60812
3.443		45513	24165
3.48		11302	6479
3.495		1373	461
3.507		6070	3277
3.541		119844	93361
3.577		566	331
3.617		3593	2505
3.651		26335	14805
3.666		12911	6290
3.71		49129	30332
3.721		123526	64654
3.758		146512	114558
3.815		129729	98369
3.857		9452	6795
3.885		89246	65488
3.912		59885	50176
3.934		15161	8541
4.009		97168	71831
4.033		33458	21302
4.065		36731	26236
4.098		99792	99571
4.138		31147	25117
4.185		4551	3993
4.225		5677	4452
4.26		93071	69638
4.277		14774	7461
4.302		26145	20340
4.372		14725	12707
4.415		105862	105521
4.448		2269	1503
4.509		1059	723
4.553		9340	8993

RT A	Compound A	Height A	Area A
4.604		10581	7052
4.621		25738	17938
4.665		67995	61494
4.715		104832	117974
4.752		20473	14530
4.791		224580	231483
4.836		883	704
4.879		37928	41185
4.913		2064	1353
4.939		47060	44744
4.991		283826	382651
5.042		57216	51974
5.081		135246	156562
5.162		25892	30076
5.195		343004	396963
5.262		173067	171985
5.304		110593	109916
5.358		1940	2027
5.398		42465	35675
5.423		186894	175617
5.479		104709	99181
5.518		57244	57972
5.56		9675	10025
5.602		70022	77225
5.659		480406	538307
5.763		473	798
5.788		510	242
5.863		313639	303261
5.893		14655	9612
5.917		68416	79237
5.959		760	487
5.993		1950	2325
6.031		541	249
6.053		8550	8566
6.107		2827	2647
6.132		59586	56668
6.206		817	358
6.25		529	429
6.287		143418	146694
6.333		8848	9256
6.399		575	276
6.456		437	229
6.49		39233	42323
6.553		1115	1882
6.639	DCB	443206	479427
6.696		1730	2341
6.752		632	272
6.774		1052	544
6.818		574	1645
6.853		777	609
6.917		6981	12225

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:08:20 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.008.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.021		9800	21009
2.184		2175	2206
2.238		1200	2700
2.266		2305	2499
2.329		2031	2371
2.393		2525	6013
2.5		1615	3608
2.575		43292	37285
2.642	TCX	657512	388237
2.686		14342	10744
2.77		1203	1346
2.813		30390	21274
2.86		6091	2840
2.873		29893	16030
2.925		155478	97395
2.974		2229	2068
3.036		19378	12460
3.061		460	103
3.081		884	557
3.093		813	162
3.132		123606	64286
3.143		40100	15986
3.169		500	67
3.183		22356	13684
3.204		10801	6306
3.23		16185	8856
3.254		181696	121130
3.29		6326	4418
3.337		49096	25311
3.353		27666	13540
3.403		106221	48564
3.412		181708	80653
3.432		8293	2766
3.446		182987	127287
3.521		192974	124475
3.555		137138	87370
3.579		154482	125787
3.683		168221	114561
3.706		66716	36175
3.727		61235	36352
3.757		38891	19384
3.773		124183	82331
3.814		51376	37084
3.862		6366	5197
3.884		33849	20018
3.906		168781	117705
3.932		32152	24184
3.97		21870	14003
4.005		154410	111396
4.04		4151	2456
4.055		11532	6075
4.151		12599	12905
4.208		40803	35422
4.25		46125	27408

RT B	Compound B	Height B	Area B
4.281		141564	148274
4.308		61404	61173
4.359		341878	278085
4.408		4954	3632
4.432		28649	19776
4.454		79109	57218
4.497		405583	345837
4.599		322735	333779
4.652		43778	35885
4.691		100037	87369
4.728		359507	331896
4.759		199321	148082
4.797		138875	119270
4.898		51709	54493
4.948		257132	217877
4.973		32469	20908
5.022		140460	137572
5.058		73559	58004
5.088		53686	45052
5.141		605451	605293
5.183		12207	8825
5.214		25519	21709
5.332		6559	4279
5.355		140979	122587
5.4		440037	485714
5.494		2258	3305
5.554		12405	12198
5.6		12128	9352
5.622		9060	6380
5.671		83334	75921
5.776		186001	164071
5.808		10389	7576
5.881		1367	1579
5.974		56349	57366
6.132	DCB	598426	583817
6.263		13913	45626
6.448		2736	4663
6.634		1021	4208
6.707		2465	4108
6.764		1863	1994
6.902		858	2367

AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082

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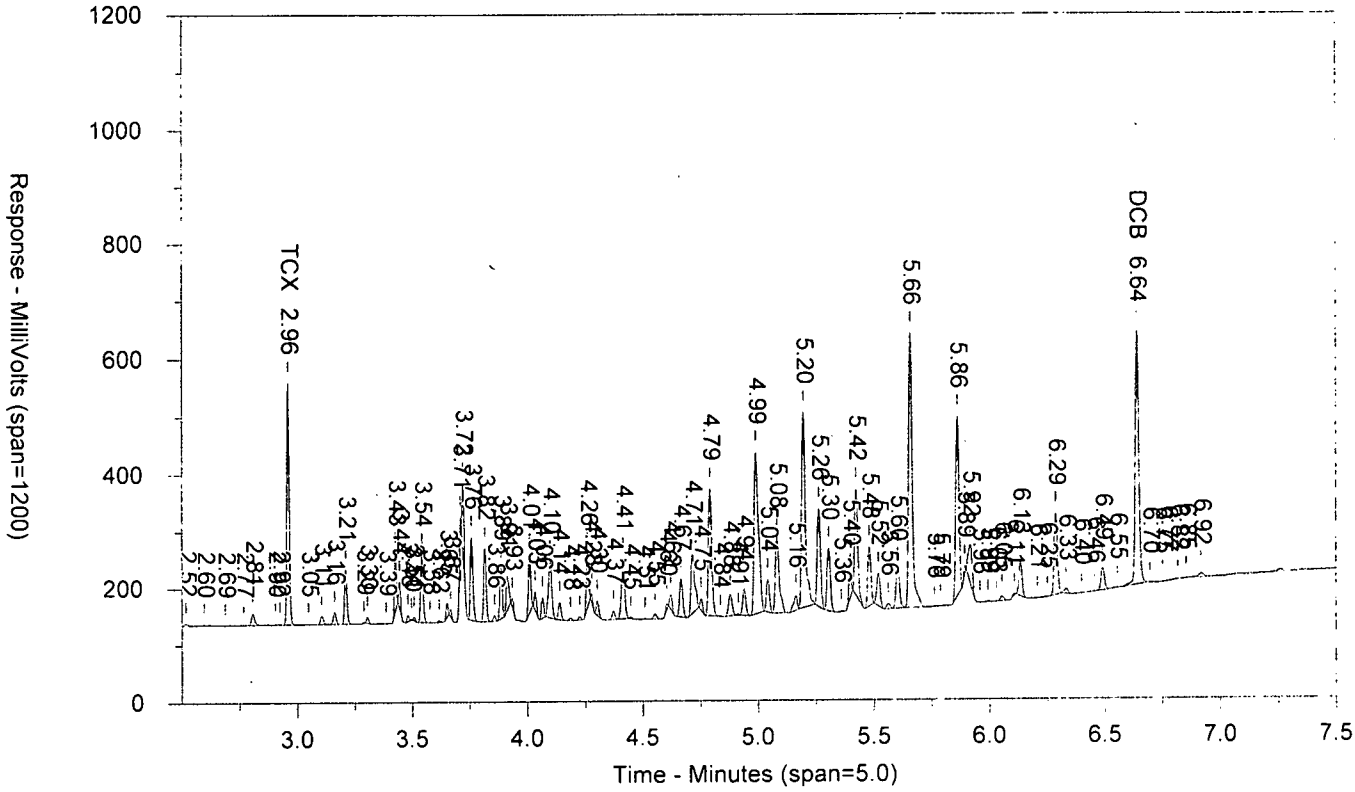

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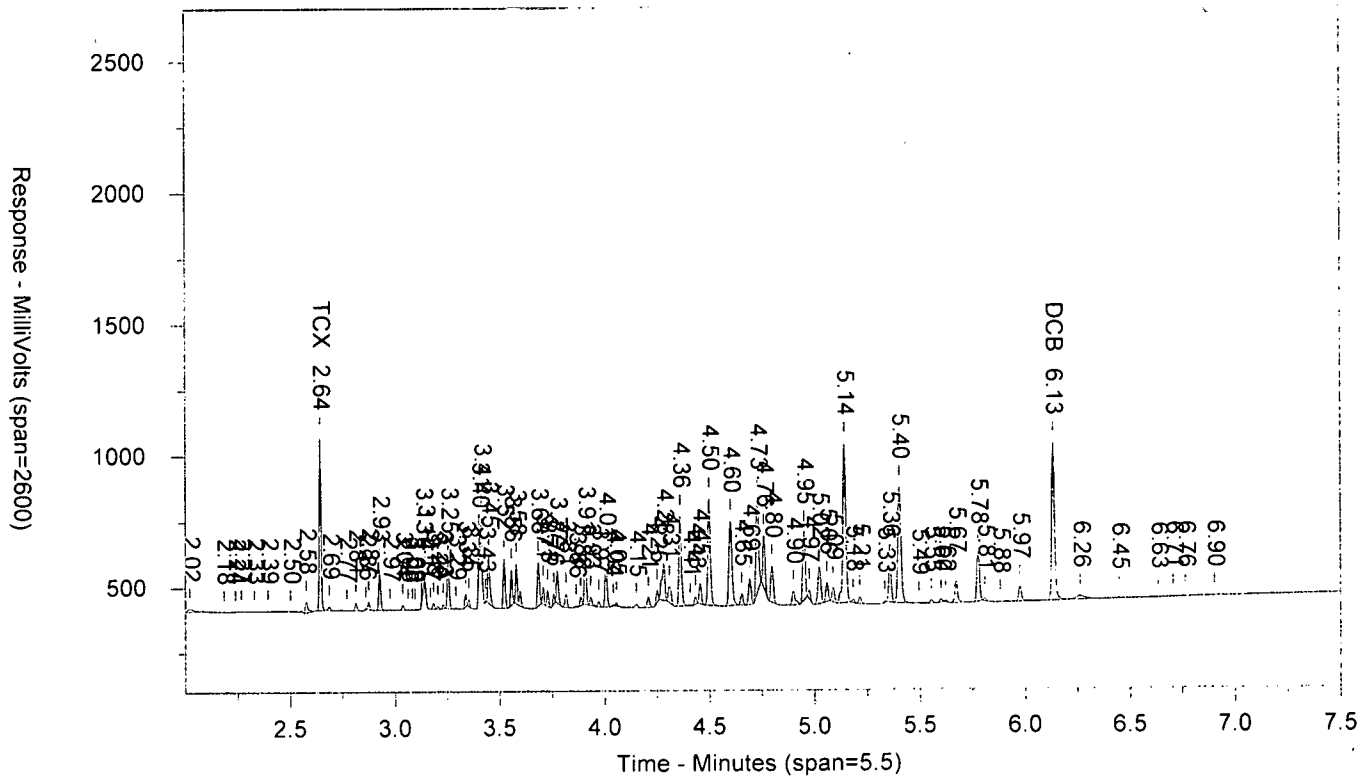

LANCASTER LABORATORIES

Sample Number: AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:08:20 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	424254	3.812	TCX	2.642	657512	3.766	TCX
6.639	443206	4.216	DCB	6.132	598426	3.899	DCB

Files:
Area File: 25pcbs17257002.008.RAW
Area File: 25pcbs17257002B.008.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 5:16:53 PM
File Reported On: 9/14/2017 at 5:17:06 PM

AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082

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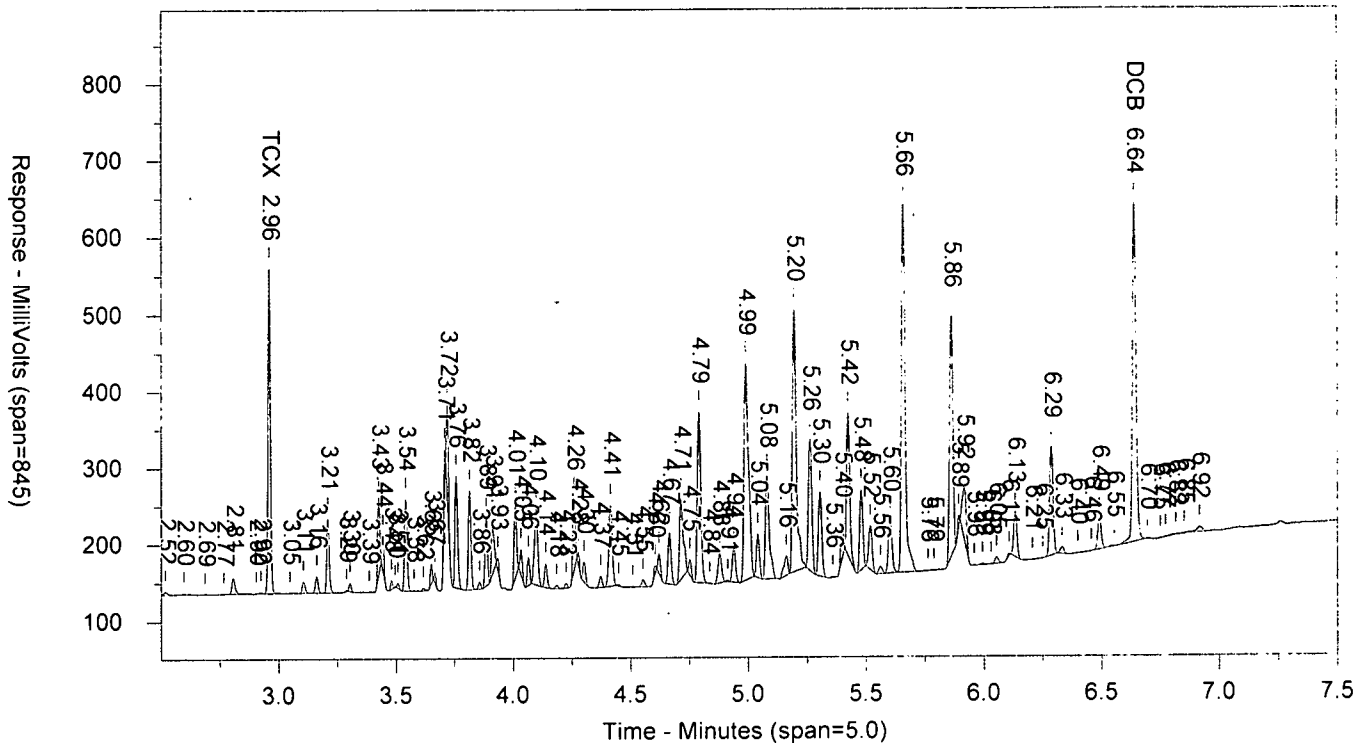

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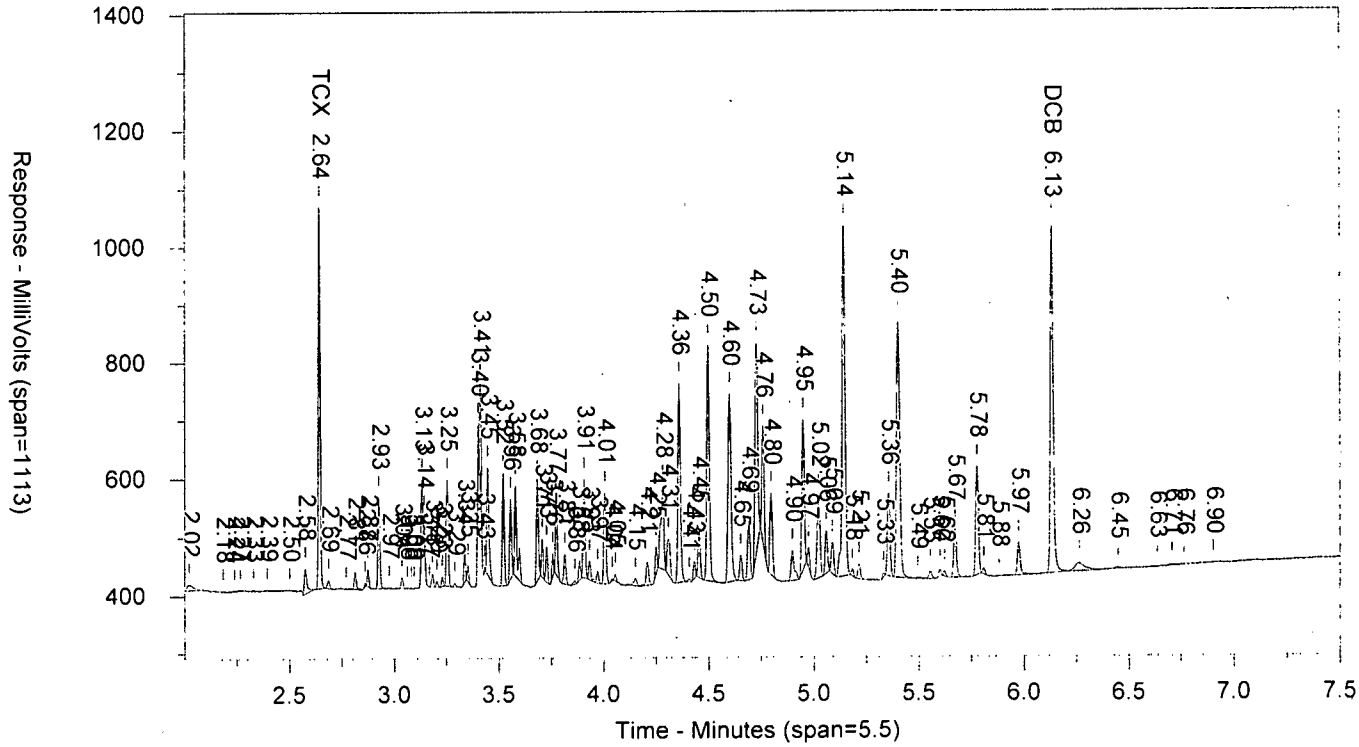

AR1621724B AAAR162AA ICAL 1725699999 10736 SW-846 8082

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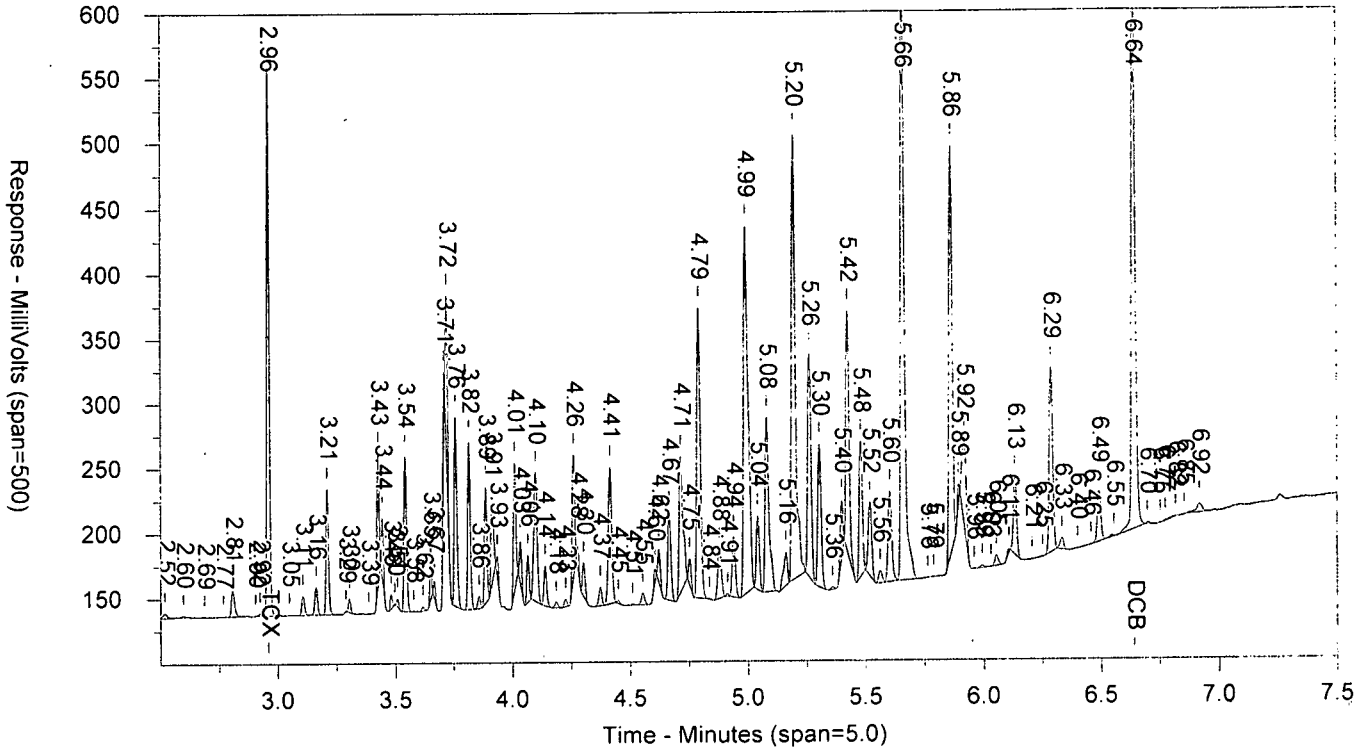

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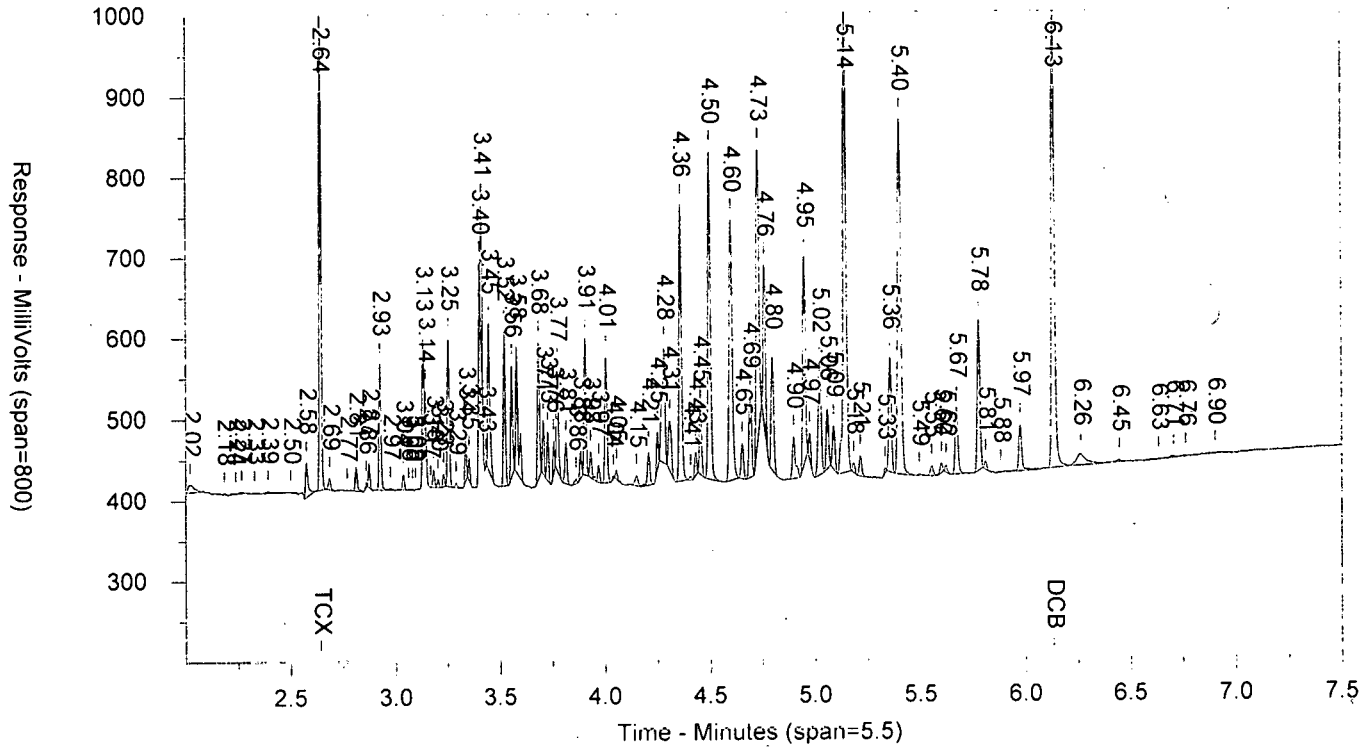

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:19:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.009.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.068		4150	5756
2.11		6692	17739
2.259		11023	8159
2.358		11605	10717
2.394		1734	2060
2.458		497	421
2.518		3456	4461
2.596		2712	2653
2.682		503	528
2.718		237	162
2.734		387	161
2.785		402	170
2.805		27254	28015
2.868		696	451
2.904		444	366
2.922		1995	1597
2.959	TCX	2276417	1531648
3.105		29340	25900
3.16		53163	46626
3.209		193047	139273
3.287		3652	1935
3.303		20688	13150
3.346		610	470
3.39		269	92
3.425		193884	117225
3.442		94318	50602
3.479		22253	13125
3.495		1971	749
3.506		12963	6943
3.54		243602	189134
3.576		1172	541
3.595		1225	669
3.615		7458	5138
3.65		55461	31804
3.665		26924	13343
3.708		109554	62951
3.719		258461	136231
3.756		300346	235986
3.814		265000	205121
3.856		19498	14288
3.884		181694	133933
3.912		118259	100658
3.933		36341	17346
4.007		197177	147324
4.032		70712	46493
4.064		78623	55797
4.097		205801	210440
4.137		67216	54146
4.185		9285	7941
4.223		12896	9226
4.258		177739	137180
4.276		32441	16009
4.3		56334	43126
4.37		30688	27351

RT A	Compound A	Height A	Area A
4.413		210813	217258
4.447		5303	3569
4.509		2252	1861
4.552		19186	18630
4.603		24200	15791
4.619		52977	38180
4.664		137674	132084
4.714		206544	241778
4.751		46286	31949
4.79		471295	466492
4.835		2239	1455
4.876		82204	88821
4.91		6036	4041
4.937		93061	90514
4.989		565175	770769
5.04		118446	109709
5.08		283443	326000
5.159		61336	69228
5.193		695986	812929
5.259		348381	342764
5.303		217845	222087
5.36		1768	1942
5.397		87432	72029
5.422		362228	344420
5.478		210477	196482
5.516		118055	119673
5.558		22829	24257
5.599		142509	157962
5.657		1016502	1093721
5.749		903	1105
5.861		617501	600897
5.891		36424	20839
5.916		131365	155996
5.958		1098	914
5.988		1974	2526
6.052		28469	27381
6.131		131827	177412
6.187		647	207
6.203		500	307
6.238		451	119
6.286		286193	284394
6.33		17847	17978
6.377		619	487
6.429		947	1180
6.458		506	441
6.488		89378	95711
6.542		1884	2177
6.638	DCB	2014977	2207759
6.758		951	593
6.766		820	335
6.833		248	2098
6.859		590	448
6.915		6001	9092
6.956		393	103
6.975		878	637

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:19:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.009.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.021		11066	21639
2.082		6281	4883
2.186		2271	2732
2.238		1584	3081
2.265		2901	4683
2.326		3063	1969
2.396		1648	2147
2.555		4348	3978
2.573		65327	57296
2.641	TCX	3603264	2030186
2.685		26595	19166
2.812		57803	38974
2.859		35374	16655
2.873		52391	26163
2.925		306403	186890
2.975		9177	5416
3.035		40148	26601
3.071		534	83
3.099		1125	414
3.112		519	200
3.131		257920	127184
3.142		92170	33146
3.183		47507	28130
3.203		21673	11853
3.23		33265	18537
3.253		360376	241899
3.289		12649	8041
3.319		2045	982
3.336		98843	52409
3.351		57014	27337
3.402		210908	95745
3.412		395173	172994
3.431		14229	5158
3.446		380510	259439
3.52		396251	255736
3.554		278398	175354
3.578		291994	168273
3.596		105154	52419
3.682		347985	231174
3.705		135548	74113
3.726		122929	74528
3.755		80398	40332
3.772		255689	170624
3.813		106755	76861
3.862		13028	11073
3.883		71994	43123
3.905		353272	240864
3.931		76003	53948
3.969		45672	28758
4.004		303891	226633
4.04		10126	5981
4.054		23725	14322
4.115		3063	2006
4.149		23641	23074

RT B	Compound B	Height B	Area B
4.186		2075	1179
4.207		85020	64115
4.249		90241	54075
4.28		283354	295646
4.306		120661	126533
4.358		702153	559356
4.406		10768	7647
4.43		65447	42853
4.452		151878	114099
4.495		813300	685714
4.599		654044	677592
4.652		95730	76834
4.69		194627	177354
4.726		794919	677996
4.758		394661	294845
4.796		287677	239070
4.896		107477	114274
4.947		561406	604307
5.021		288073	277574
5.057		141960	116461
5.087		108232	92723
5.14		1288040	1239059
5.182		28129	20204
5.213		58501	50619
5.33		15268	8982
5.354		283646	242006
5.399		885885	972898
5.5		2986	3486
5.552		39150	36154
5.598		23575	16753
5.621		31638	22796
5.67		165584	158732
5.775		360423	322083
5.807		21518	15080
5.926		1541	4940
5.973		123034	121277
6.132	DCB	2839013	2704113
6.259		11955	36594
6.441		2359	5130
6.584		3202	3010
6.703		2289	3584

AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082

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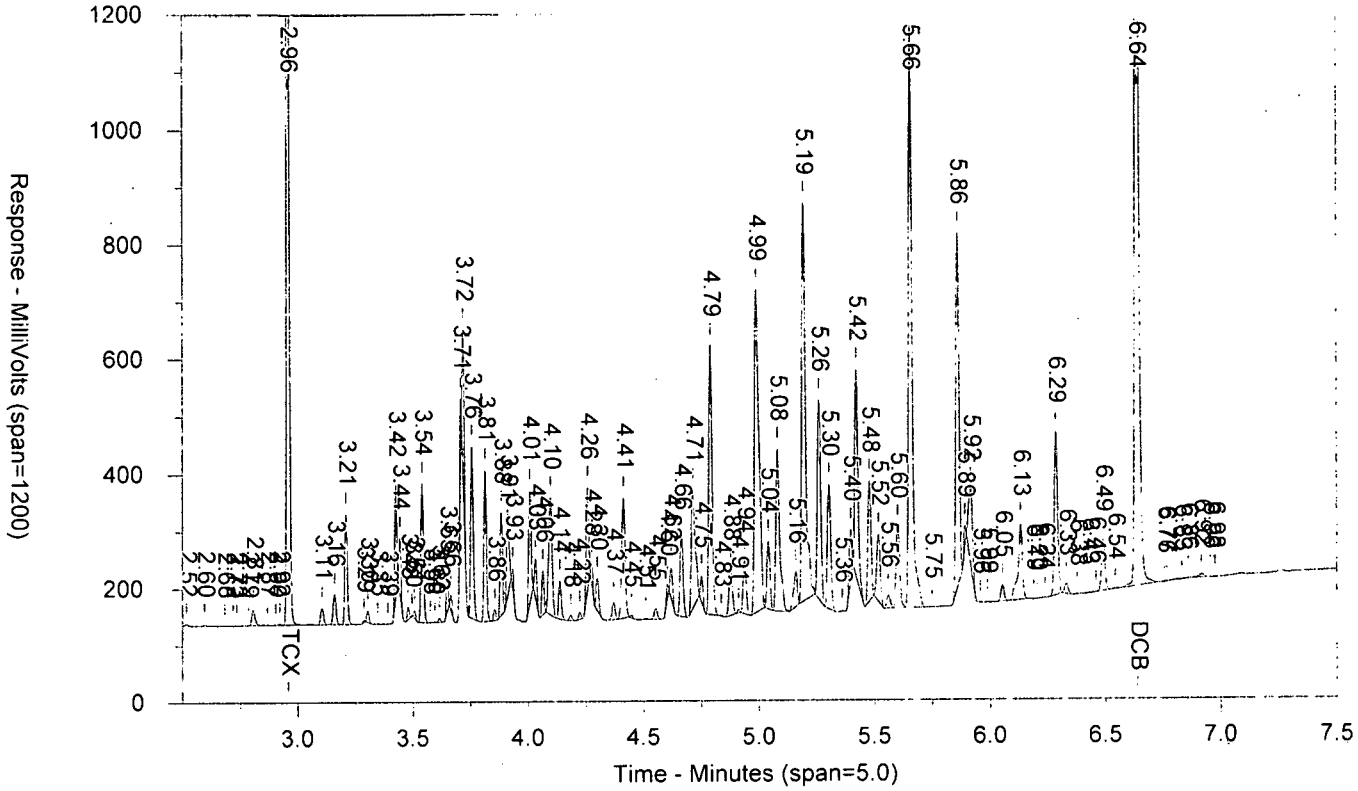

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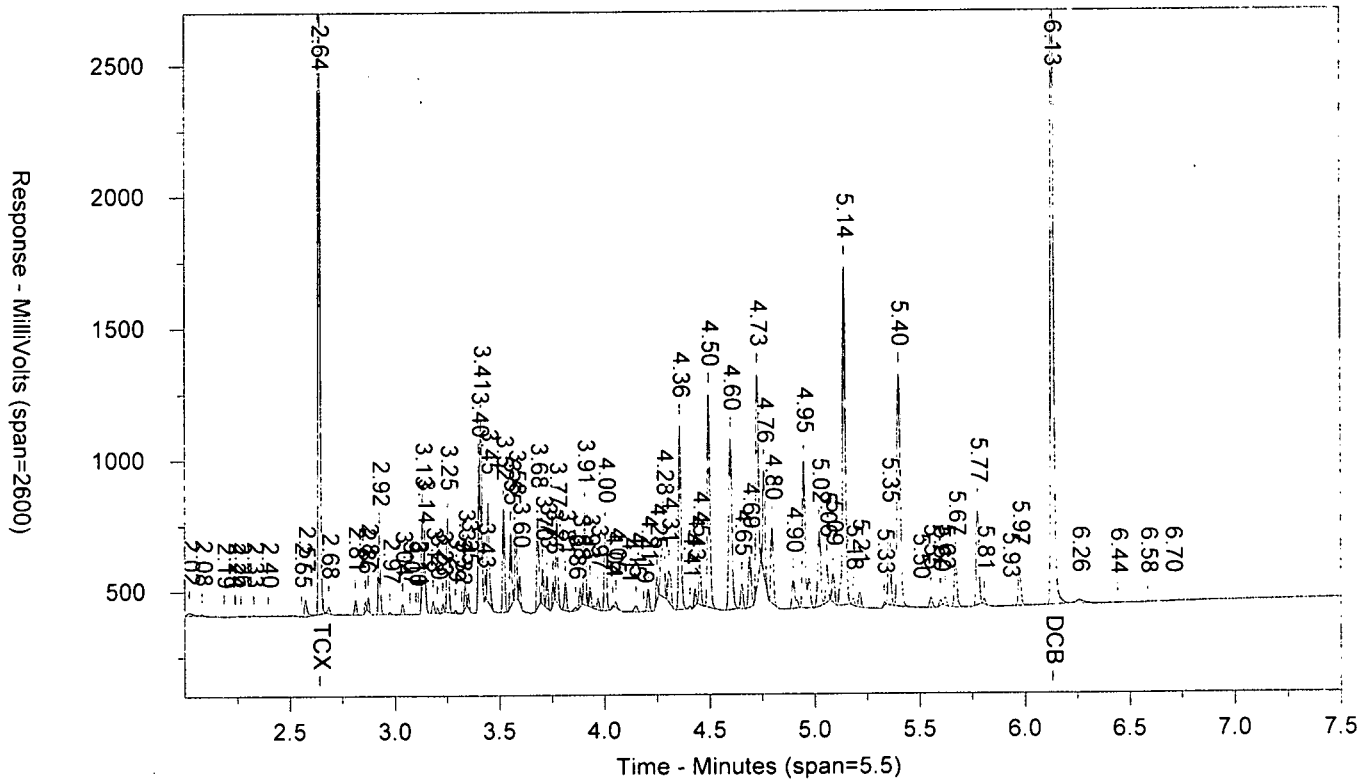

LANCASTER LABORATORIES

Sample Number: AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:19:41 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2276417	20.388	TCX	2.641	3603264	20.612	TCX
6.638	2014977	19.083	DCB	6.132	2839013	18.519	DCB

Files:
Area File: 25pcbs17257002.009.RAW
Area File: 25pcbs17257002B.009.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 5:28:11 PM
File Reported On: 9/14/2017 at 5:28:22 PM

AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082

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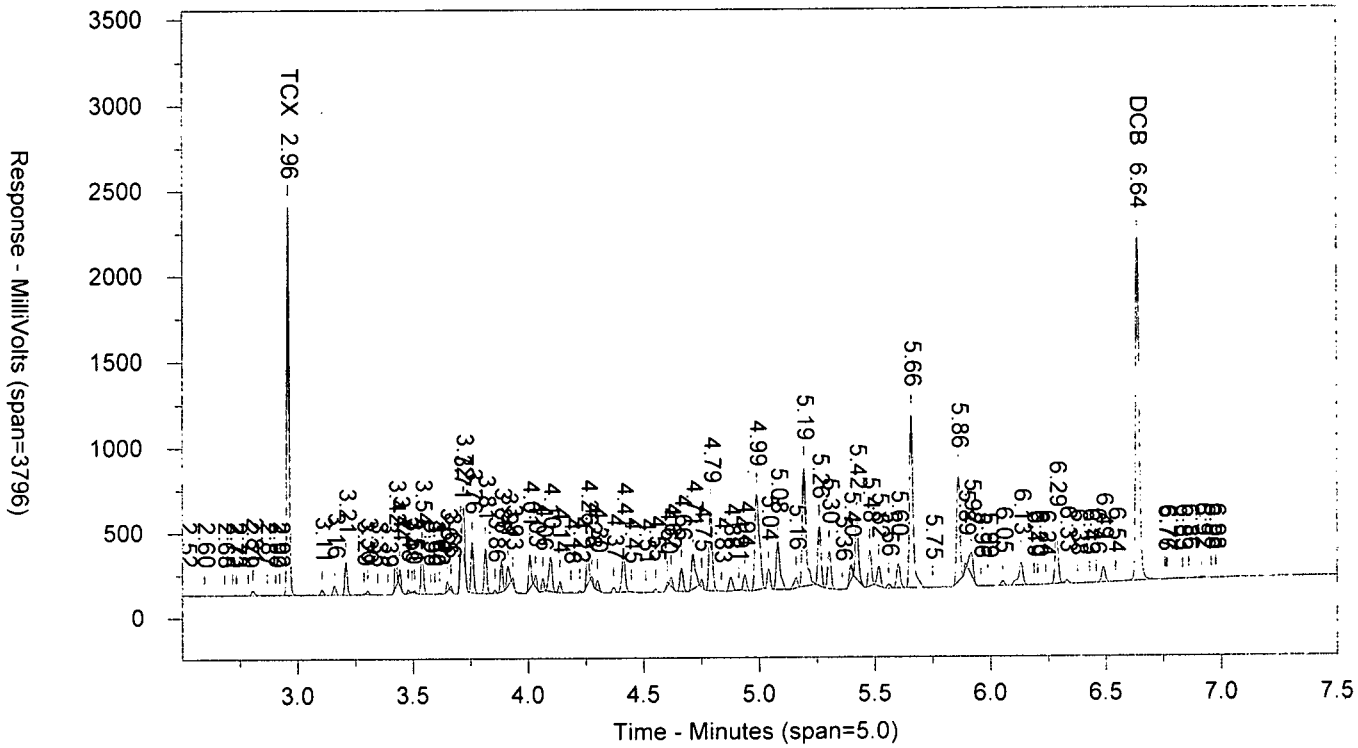

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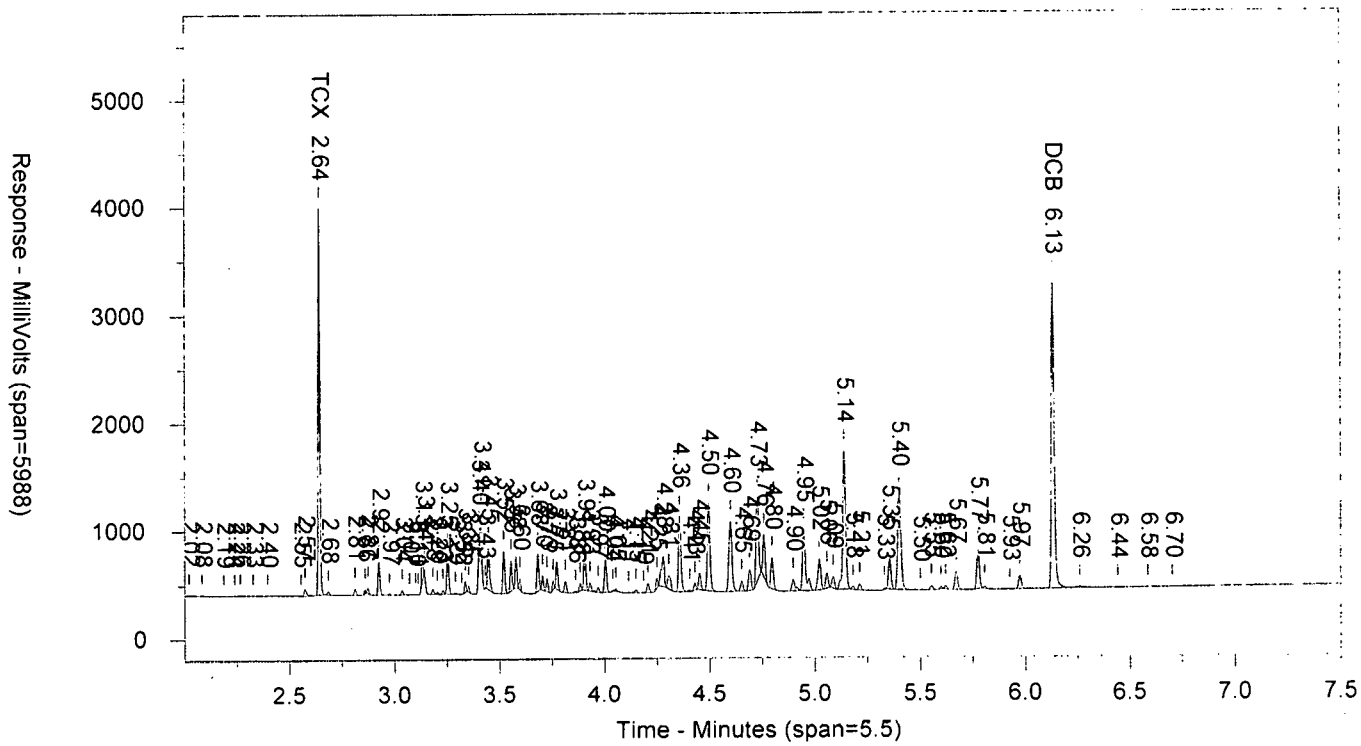

AR1631724B AAAR163AA ICAL 1725699999 10736 SW-846 8082

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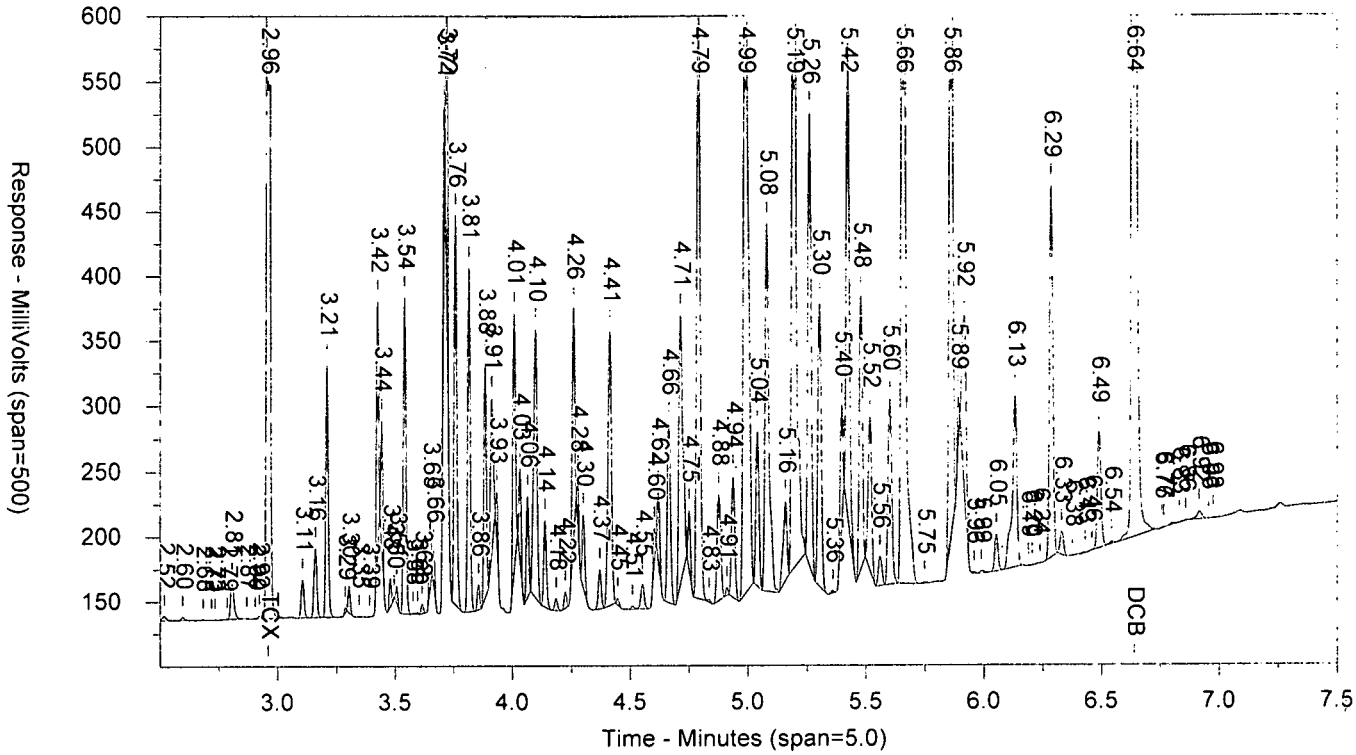

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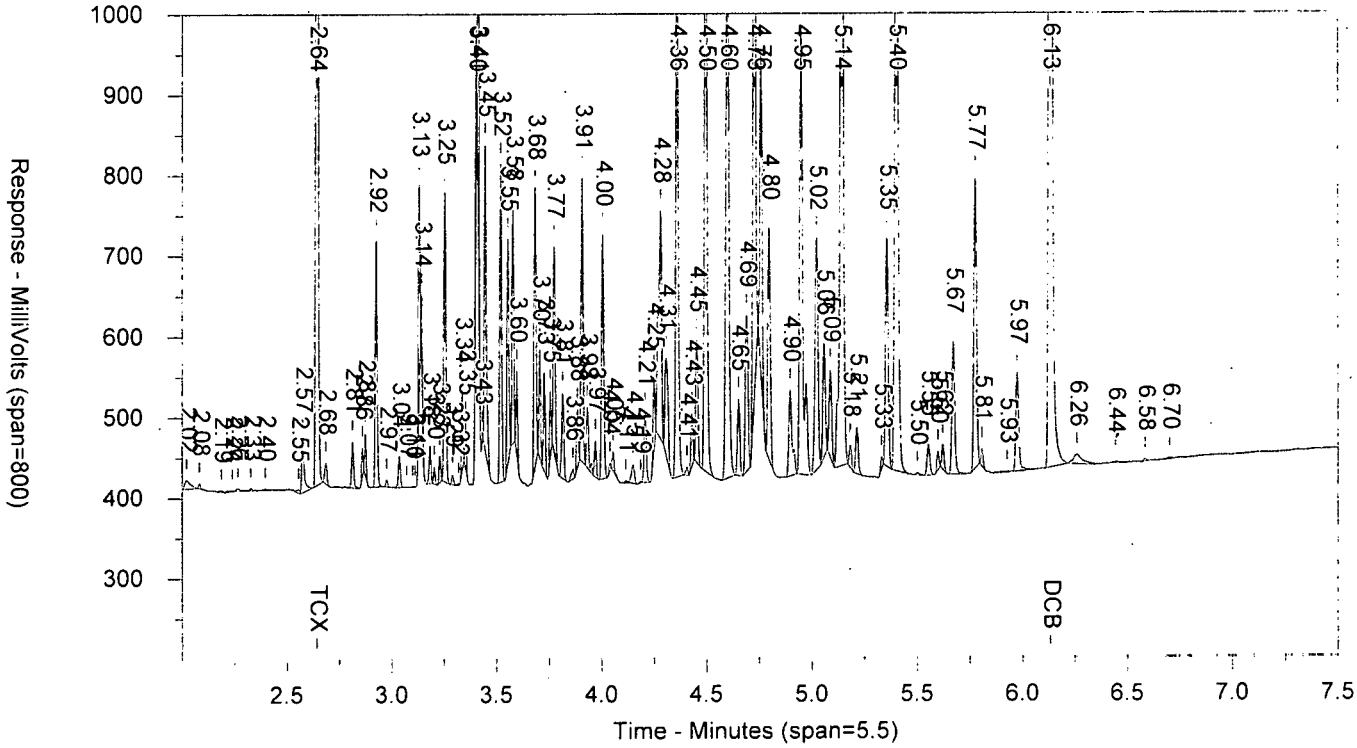

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:30:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.010.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.041		359	433
2.064		6882	5122
2.076		9472	7439
2.111		4290	8376
2.199		1466	2117
2.235		820	445
2.26		21742	15619
2.359		13085	14315
2.397		1581	1933
2.458		596	500
2.517		5459	6685
2.578		469	642
2.597		4436	3373
2.682		1734	1351
2.765		902	1103
2.806		6395	5956
2.871		1213	878
2.922		3273	3006
2.96	TCX	4734539	3166924
3.052		970	1145
3.079		383	151
3.105		60976	51886
3.16		107652	94985
3.209		367481	272247
3.287		7309	3673
3.303		42491	27935
3.344		1315	1370
3.425		362126	224764
3.442		174505	91455
3.479		46352	26334
3.495		4290	1552
3.506		24529	13397
3.54		469884	367084
3.577		2227	1156
3.593		2070	1191
3.616		14618	10043
3.65		101664	61341
3.665		51275	25960
3.708		197131	118634
3.719		538063	280355
3.756		600534	457373
3.814		516720	403398
3.856		36804	27085
3.884		339879	251927
3.911		228684	190395
3.933		67895	37222
4.007		367705	276121
4.032		132165	88135
4.064		150756	108782
4.096		418095	412191
4.137		128198	108866
4.184		20077	16977
4.223		24500	19154
4.258		359396	267451

RT A	Compound A	Height A	Area A
4.275		65035	32522
4.3		113677	89619
4.371		62737	54680
4.414		411154	412166
4.447		10968	7451
4.512		4709	4685
4.552		38609	35261
4.603		49318	34280
4.62		101456	73218
4.665		270670	254408
4.713		389053	456734
4.75		85764	61818
4.79		913460	901920
4.835		5019	3878
4.876		159205	175475
4.91		13723	9116
4.937		178217	170312
4.988		1154669	1491896
5.04		222576	213003
5.08		555730	641702
5.16		118486	139796
5.193		1465257	1547205
5.234		11718	5369
5.26		698368	658941
5.303		435960	432509
5.359		4068	5061
5.397		173886	132936
5.421		713472	670986
5.478		394720	376213
5.517		225156	230005
5.559		49812	50813
5.6		281295	310643
5.657		2097824	2208519
5.748		2203	2982
5.808		781	475
5.861		1246720	1196554
5.891		74376	44928
5.915		279166	310354
5.956		6029	5025
5.989		2443	2950
6.024		522	128
6.052		54135	53579
6.131		247504	355048
6.204		629	634
6.244		480	1035
6.285		546444	562086
6.331		37937	36831
6.368		1476	1095
6.395		602	211
6.421		1091	1068
6.489		172498	191731
6.543		3011	3770
6.638	DCB	4239454	4477886
6.799		3887	7136
6.882		568	583
6.918		5985	7701
6.978		516	163

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:30:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.010.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.025		8544	17627
2.083		15140	10316
2.216		2583	2019
2.265		2992	3576
2.328		7800	5300
2.393		4096	5300
2.551		2520	2696
2.575		11805	7378
2.598		1691	779
2.643	TCX	7408689	4213420
2.686		54094	39112
2.732		1928	2101
2.813		114990	80466
2.86		68092	32194
2.873		105127	51967
2.926		576153	359856
2.976		18009	10492
3.036		78580	50270
3.062		525	129
3.08		652	334
3.09		681	100
3.111		302	174
3.132		483945	232489
3.143		157867	63221
3.183		92118	56000
3.204		40946	23168
3.23		68477	37155
3.254		689228	463502
3.29		26168	14808
3.317		2975	1137
3.336		185042	99595
3.352		106816	52060
3.377		1872	962
3.402		432711	189195
3.412		801536	356962
3.432		30928	10572
3.445		726578	497016
3.52		788629	495951
3.555		511608	330823
3.578		591169	479116
3.682		654976	437087
3.705		256203	140750
3.726		232192	138998
3.755		148255	78930
3.772		532837	341336
3.813		202415	151255
3.862		28539	23794
3.883		144471	89512
3.904		675872	461790
3.931		154389	108069
3.968		88448	55230
4.004		594838	428183
4.039		23171	14476
4.054		47189	31055

RT B	Compound B	Height B	Area B
4.115		5217	3708
4.149		48485	44947
4.184		4585	3261
4.207		162279	121310
4.249		168543	100876
4.28		576527	575989
4.307		246045	249930
4.358		1366962	1081225
4.405		21403	15903
4.429		135217	92710
4.452		304426	221734
4.494		1652587	1337086
4.598		1316680	1320640
4.651		180609	143800
4.689		378711	326973
4.726		1680329	1382820
4.757		821324	583159
4.796		575860	472672
4.868		2791	2167
4.896		212319	229099
4.947		1082526	869860
4.971		135731	89240
5.021		554521	535202
5.057		289089	231136
5.086		217843	184304
5.119		50144	34650
5.139		2602999	2214986
5.18		59252	43243
5.212		116689	101831
5.33		27688	18173
5.353		540207	467626
5.398		1782895	1963701
5.499		13127	13993
5.553		74435	66712
5.597		47935	34600
5.62		56725	43029
5.67		333753	308549
5.775		712455	642237
5.807		44956	33464
5.973		249141	234466
6.132	DCB	5981400	5500509
6.254		10059	26815
6.445		1871	2862
6.582		6730	7993
6.662		1924	1641
6.753		2160	1461
6.925		2002	5874

AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082

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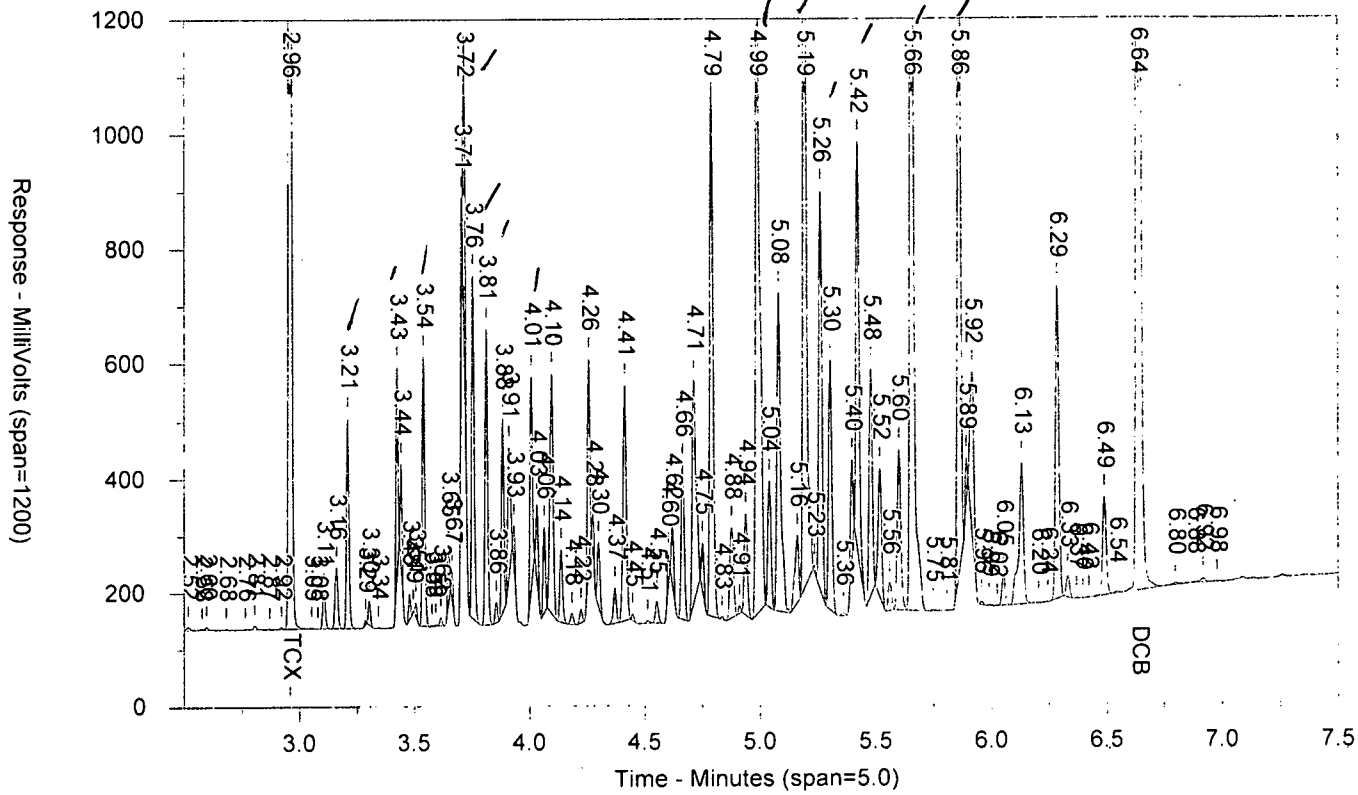

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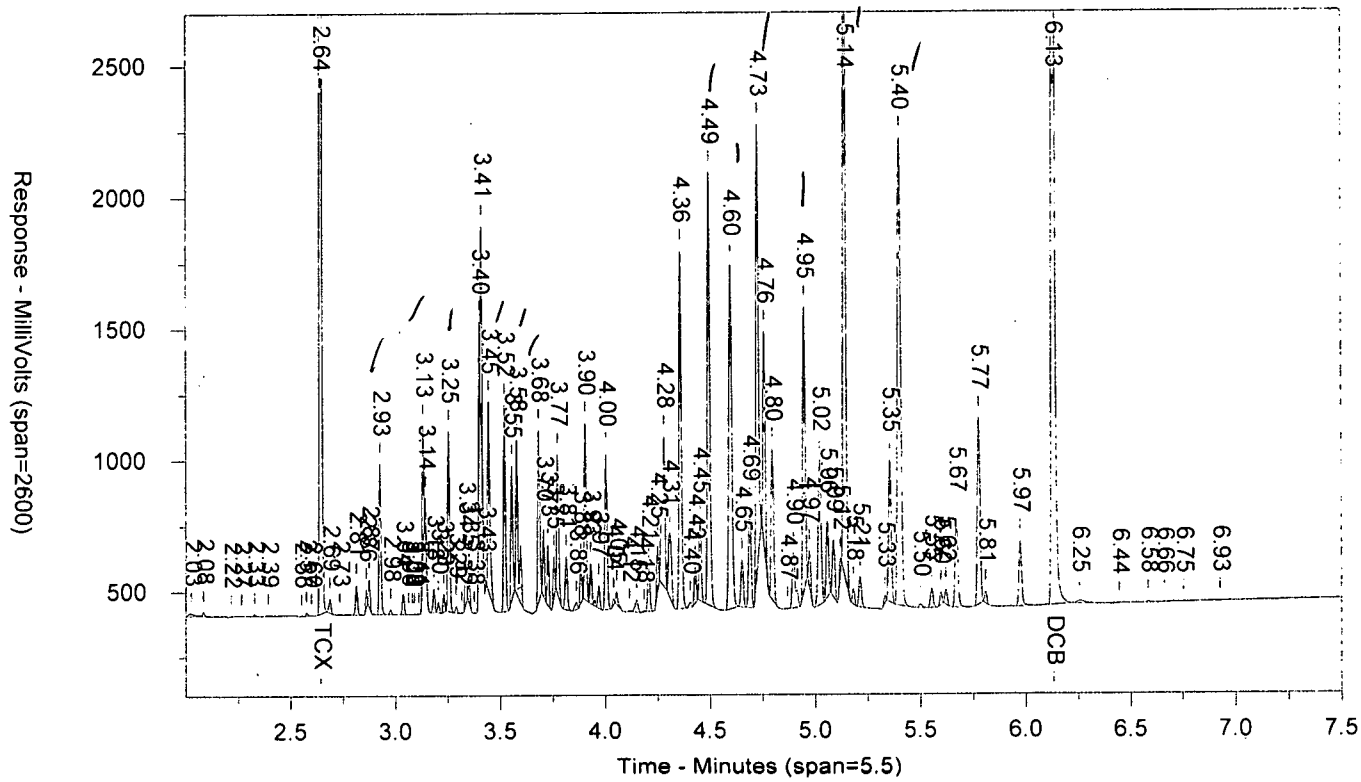

LANCASTER LABORATORIES

Sample Number: AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:30:58 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4734539	42.233	TCX	2.643	7408689	42.061	TCX
6.638	4239454	40.067	DCB	6.132	5981400	39.489	DCB

Files:
Area File: 25pcbs17257002.010.RAW
Area File: 25pcbs17257002B.010.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 5:39:29 PM
File Reported On: 9/14/2017 at 5:39:40 PM

AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082

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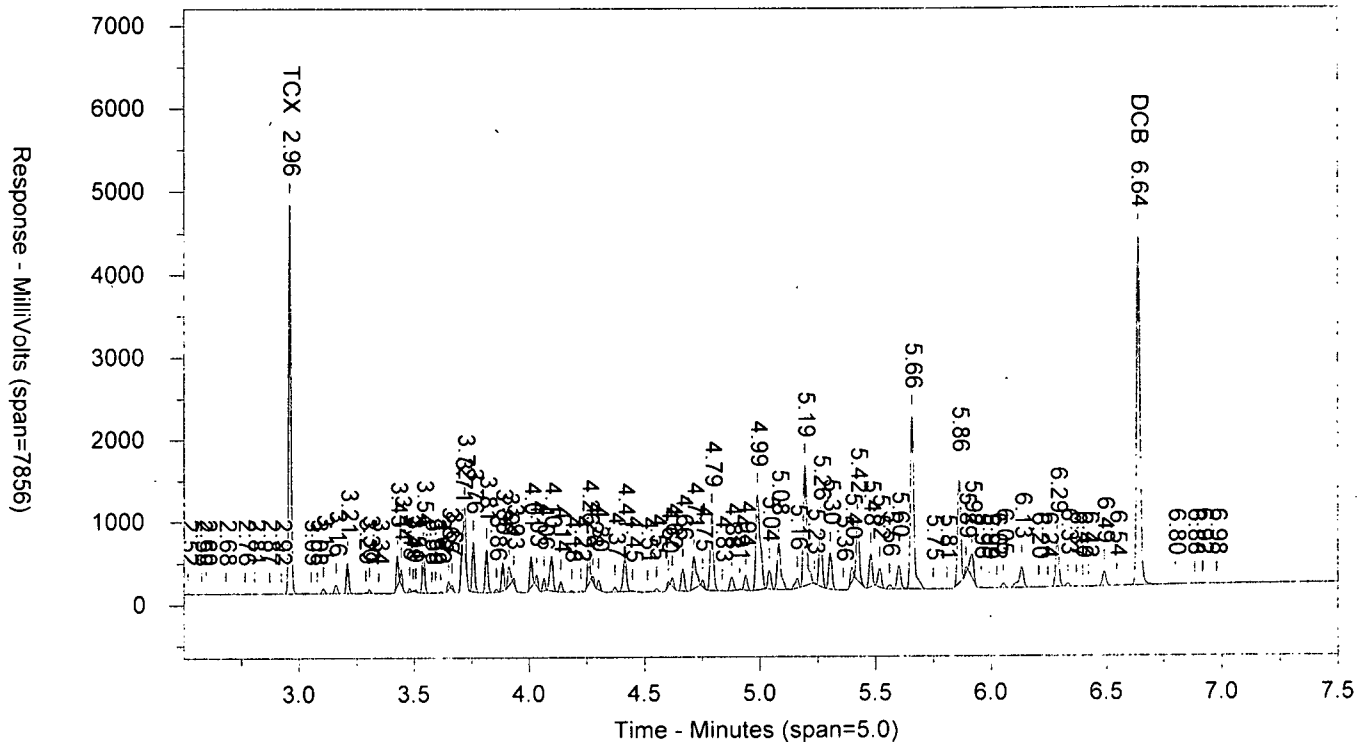

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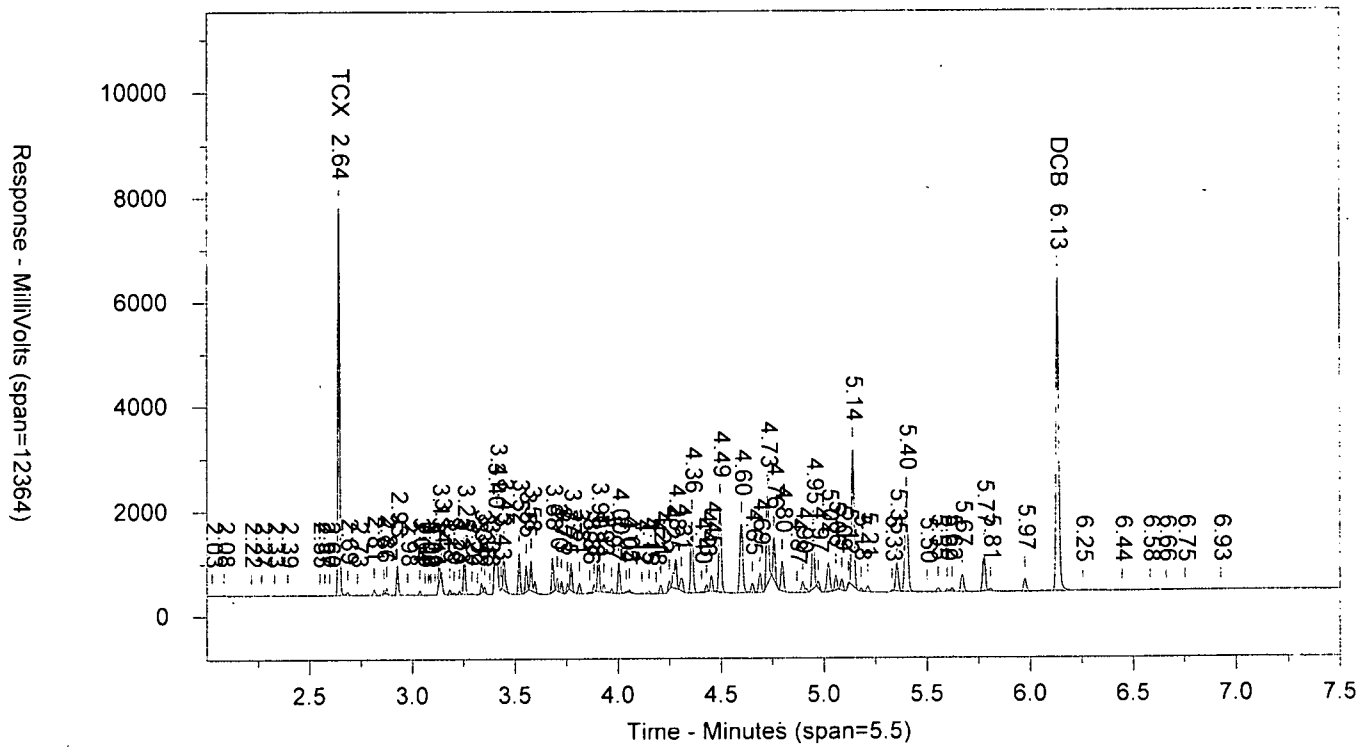

AR1641724B AAAR164AA ICAL 1725699999 10736 SW-846 8082

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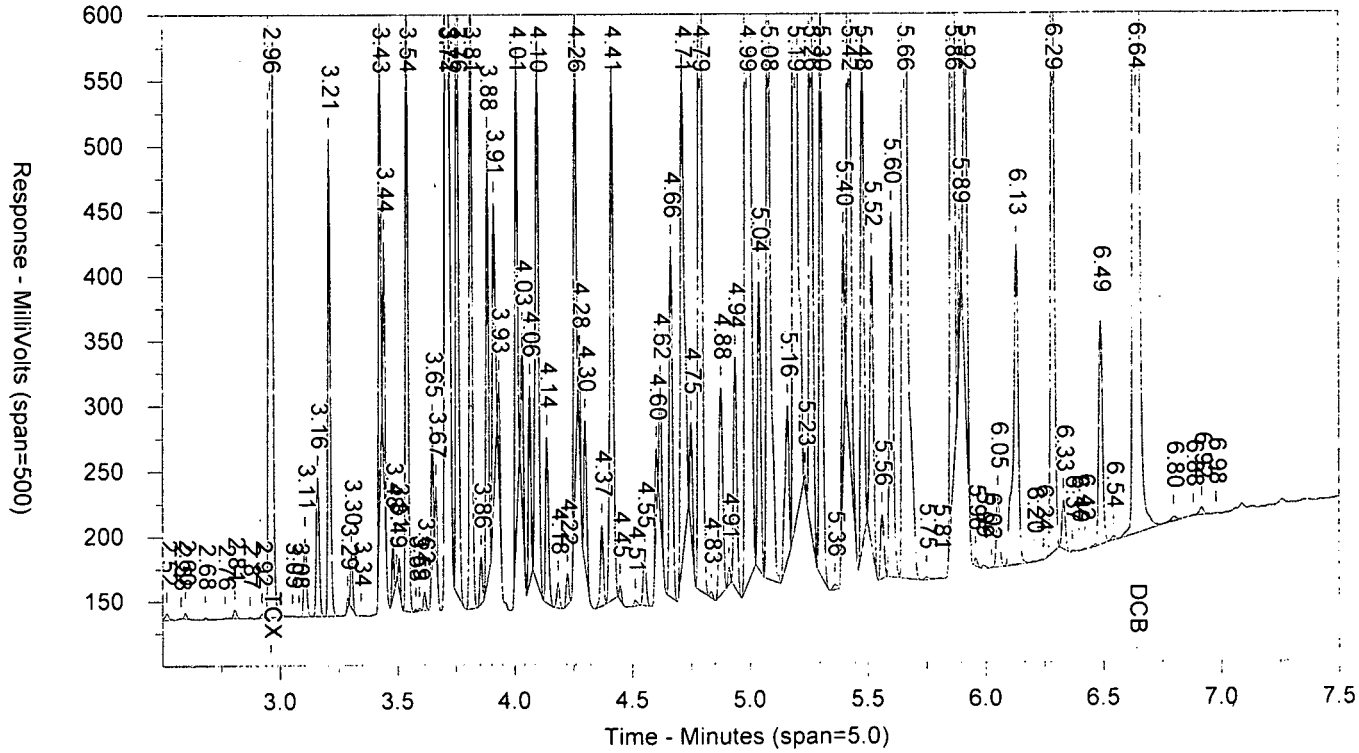

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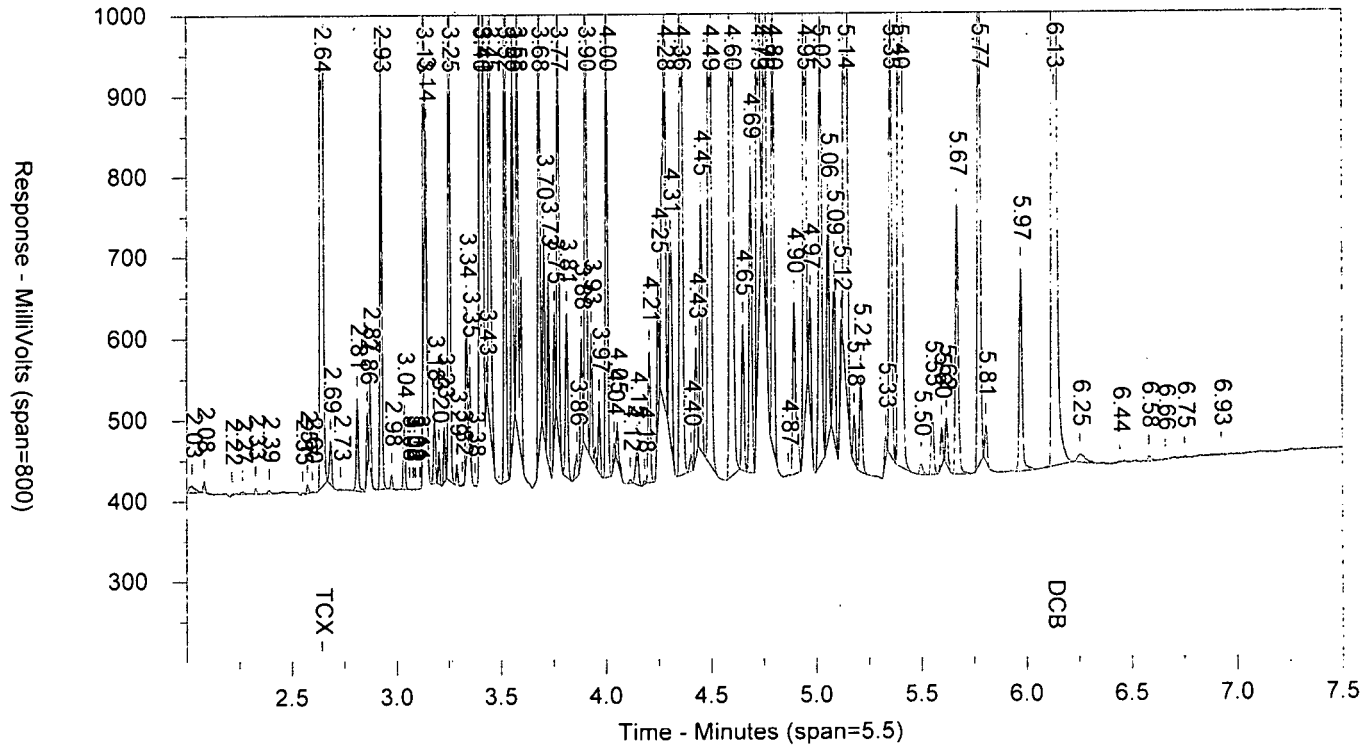

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:42:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.011.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.064		6300	7997
2.109		5607	13643
2.259		32726	23323
2.359		15077	18057
2.394		1164	1217
2.461		844	863
2.517		4923	6145
2.575		301	466
2.596		11651	8556
2.686		840	962
2.764		291	376
2.805		20590	19797
2.869		2086	1468
2.923		2894	2738
2.959	TCX	6908737	4786428
3.056		1149	1158
3.105		139579	122842
3.161		212790	186598
3.209		864455	622966
3.287		8071	4095
3.303		103019	67044
3.345		2842	2237
3.425		849910	519176
3.442		390317	207928
3.479		107568	62805
3.495		11488	3916
3.506		59010	32341
3.54		1091233	841051
3.577		5256	2563
3.593		4288	2368
3.616		37258	25417
3.65		237987	134759
3.665		117575	62466
3.709		544129	294336
3.719		1253568	644547
3.756		1397923	1053846
3.815		1213788	940321
3.856		88464	63649
3.884		735211	556656
3.912		508646	414468
3.933		125673	70228
3.985		444	184
4.007		873917	635404
4.032		304784	197878
4.064		325857	236727
4.097		977386	930422
4.137		288951	240716
4.184		45651	38346
4.223		58588	44147
4.258		810411	603201
4.275		131662	72454
4.3		236544	189946
4.37		137463	121280
4.413		895664	911985

RT A	Compound A	Height A	Area A
4.448		25459	17450
4.488		611	272
4.51		8827	7108
4.551		82616	80754
4.604		102945	72878
4.62		226501	156814
4.664		627607	569271
4.713		919998	1015895
4.75		194325	138886
4.79		2121313	2049981
4.834		11618	8696
4.876		355003	385727
4.909		26180	17002
4.937		384686	376376
4.989		2731492	3417240
5.041		498450	456260
5.079		1322672	1457102
5.16		236685	291171
5.193		3526154	3619668
5.234		27335	10809
5.261		1616739	1499062
5.303		980142	973466
5.396		406190	328939
5.422		1730683	1565533
5.478		878299	834839
5.516		496569	511209
5.56		101501	105917
5.6		611571	702496
5.657		5051686	5239686
5.747		4667	5769
5.807		1654	1349
5.86		3058814	2850669
5.891		162933	107555
5.916		628770	711854
5.956		3941	2930
5.989		1246	723
6.052		97519	102753
6.104		32312	24028
6.131		495949	492292
6.201		654	655
6.25		465	1759
6.286		1293399	1282892
6.331		86668	84860
6.381		572	285
6.42		1443	1533
6.49		371025	393711
6.545		1320	1108
6.639	DCB	6219145	6650561
6.8		1580	1421
6.842		834	312
6.865		567	489
6.894		677	329
6.917		5415	6517
6.973		485	306

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:42:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.011.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.019		9911	19306
2.082		22908	16142
2.136		1871	1996
2.214		2774	1732
2.263		3488	5486
2.327		18201	11995
2.393		2165	2180
2.548		3636	4096
2.574		43072	29370
2.642	TCX	11070790	6424513
2.685		121844	91042
2.812		253793	170187
2.859		84479	39783
2.873		236405	123993
2.925		1331797	815602
2.975		25946	15717
3.035		179073	112122
3.081		432	186
3.096		988	461
3.112		544	242
3.131		1070167	539120
3.143		385540	145634
3.183		201768	126561
3.204		94369	53139
3.23		150837	84590
3.253		1593902	1059472
3.29		61636	36110
3.317		4116	1484
3.336		419771	219299
3.352		238363	116038
3.378		2634	1214
3.402		1020491	448545
3.411		2104203	868783
3.431		70237	23041
3.445		1695241	1151872
3.52		1844478	1156777
3.554		1189770	739285
3.578		1342397	1074720
3.682		1511049	997554
3.705		564463	306721
3.725		520488	309256
3.755		329631	175934
3.772		1269786	776291
3.813		446134	331301
3.861		66874	54805
3.883		333573	198516
3.905		1592585	1057099
3.93		337209	234245
3.968		183990	116586
4.004		1329149	949201
4.038		54365	32814
4.053		104575	68360
4.115		12062	8105
4.15		102124	94238

RT B	Compound B	Height B	Area B
4.206		361687	271749
4.249		360473	214666
4.279		1301717	1306625
4.306		537629	548907
4.357		3213992	2465461
4.406		42312	32625
4.429		301308	202039
4.451		668093	490596
4.494		4000449	3106053
4.598		3305790	3073580
4.651		372826	329588
4.689		869398	744019
4.725		3967669	3357313
4.757		1964817	1370883
4.796		1335560	1073300
4.867		4325	4524
4.895		472579	509730
4.946		2674116	2721597
5.021		1270546	1207774
5.056		637388	509206
5.085		469806	399825
5.119		111186	76947
5.14		6413203	5403769
5.181		129909	97455
5.213		243902	208368
5.33		66919	41226
5.353		1213799	1058865
5.398		4498504	4725826
5.499		10994	13300
5.553		129963	121546
5.597		112937	84903
5.62		90391	68955
5.669		749534	684795
5.775		1749060	1494030
5.806		99278	75047
5.873		1819	1761
5.928		2519	2112
5.972		507528	479912
6.131	DCB	8982236	8172616
6.257		9469	20206
6.446		1944	2694
6.584		9597	9371
6.712		1853	2727
6.756		2451	2902

AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082

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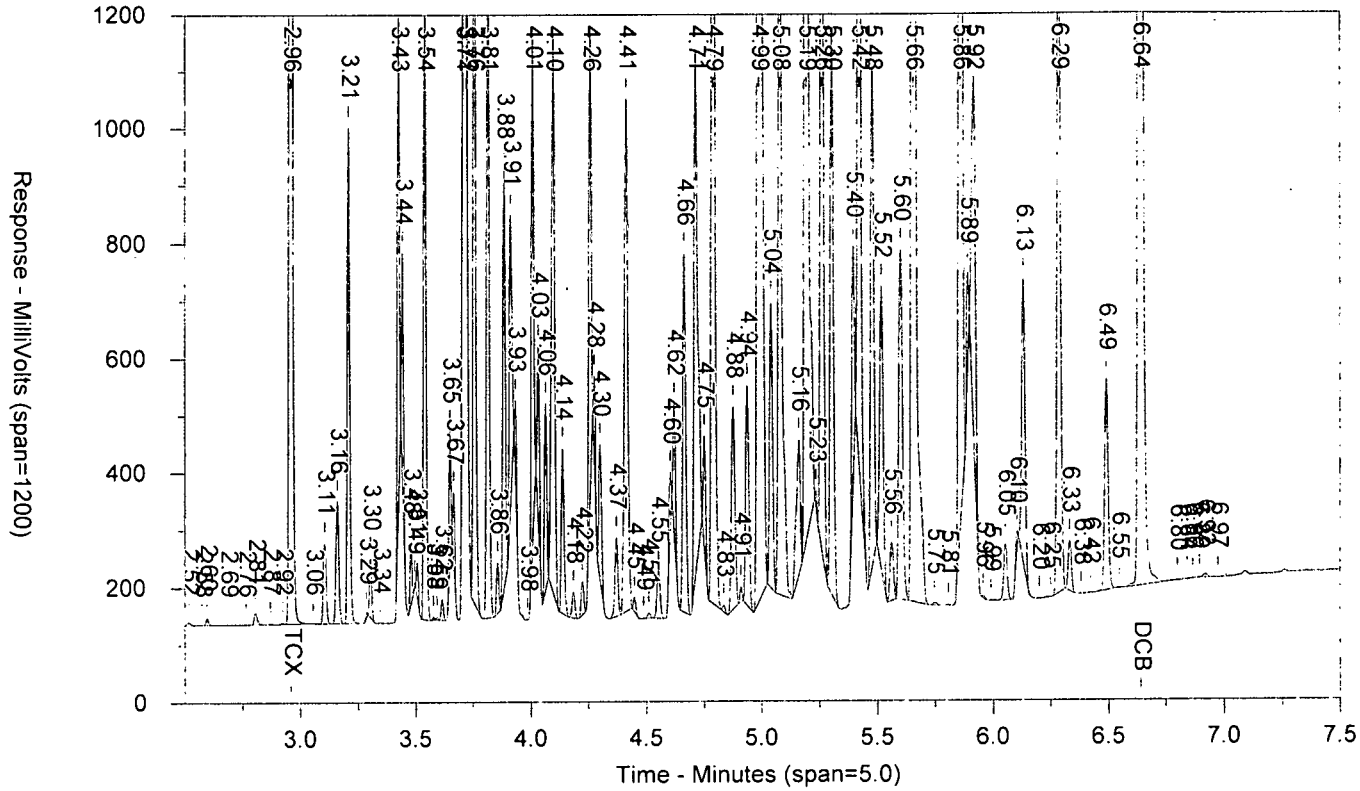

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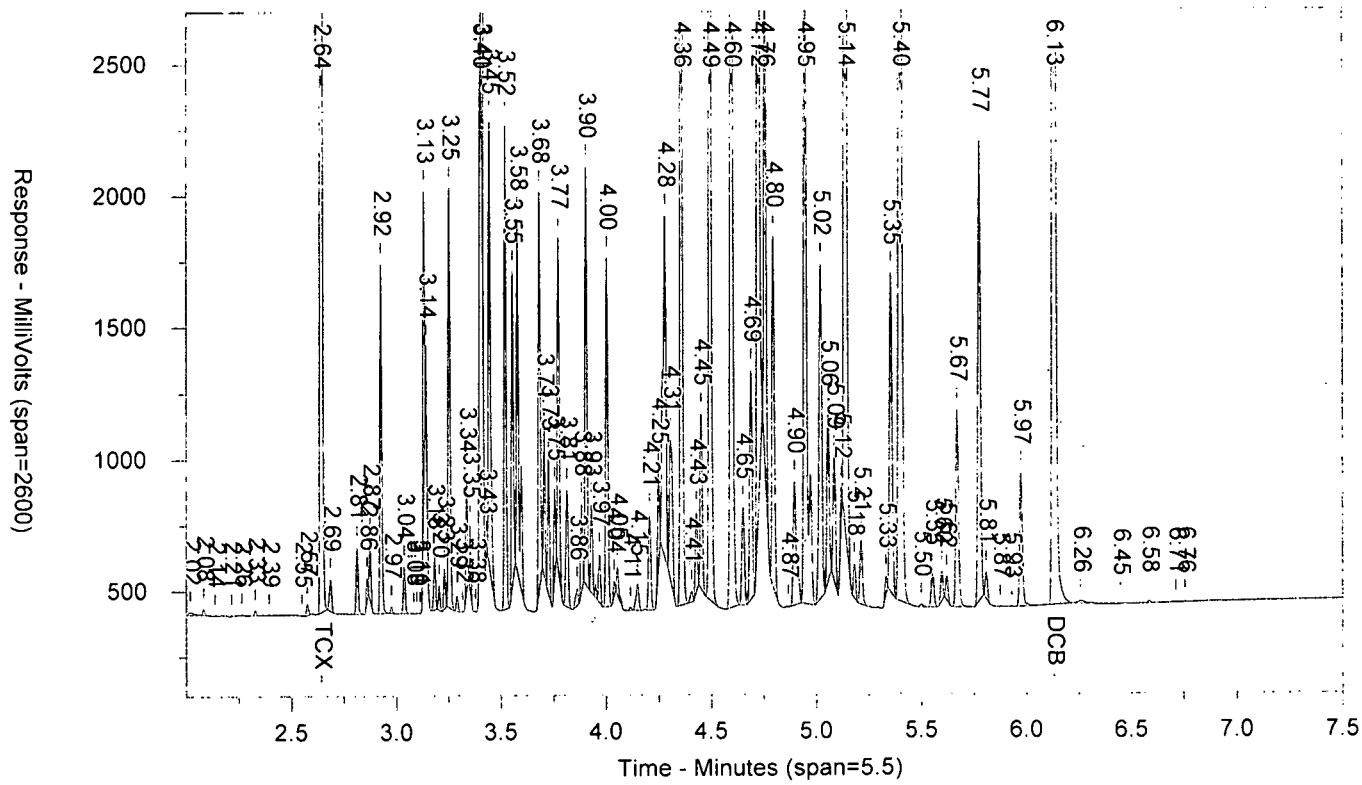

LANCASTER LABORATORIES

Sample Number: AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:42:19 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	6908737	61.385	TCX	2.642	11070790	62.642	TCX
6.639	6219145	58.856	DCB	6.131	8982236	59.523	DCB

Files:
Area File: 25pcbs17257002.011.RAW
Area File: 25pcbs17257002B.011.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 5:50:49 PM
File Reported On: 9/14/2017 at 5:50:58 PM

AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082

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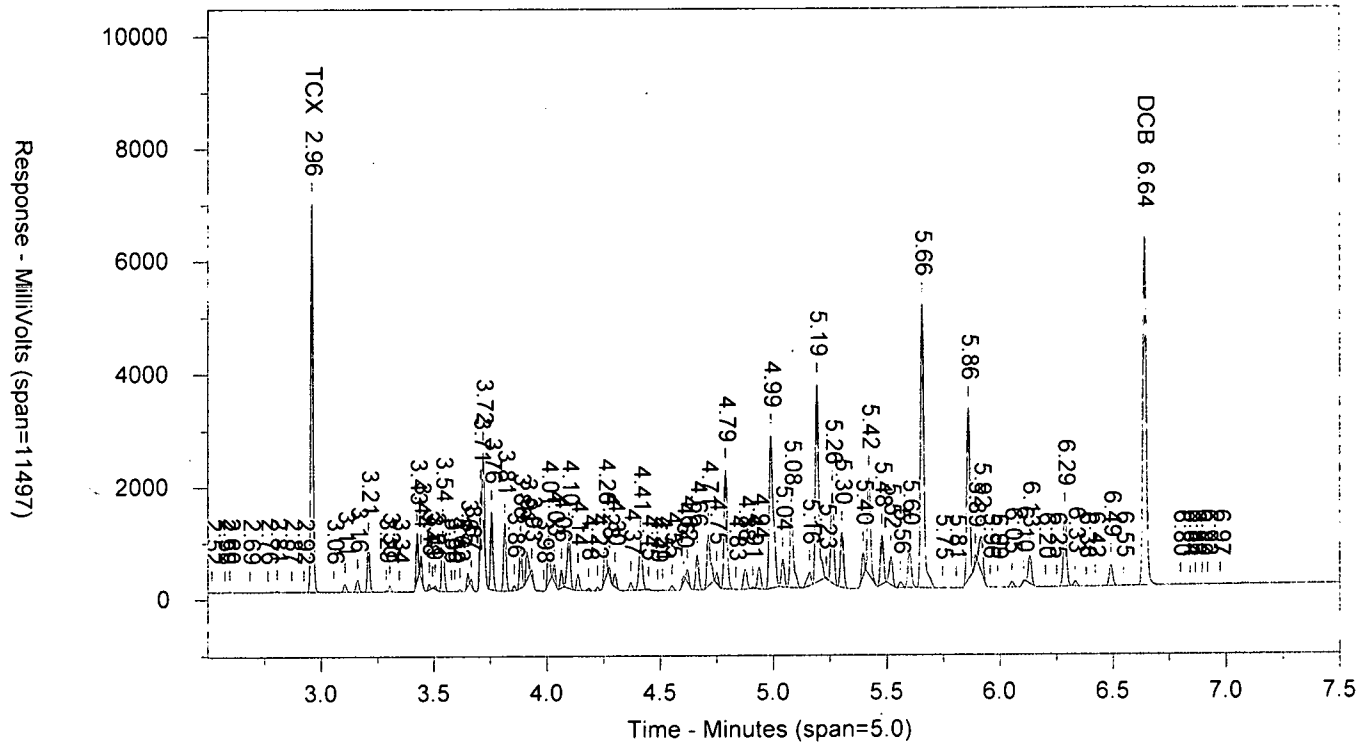

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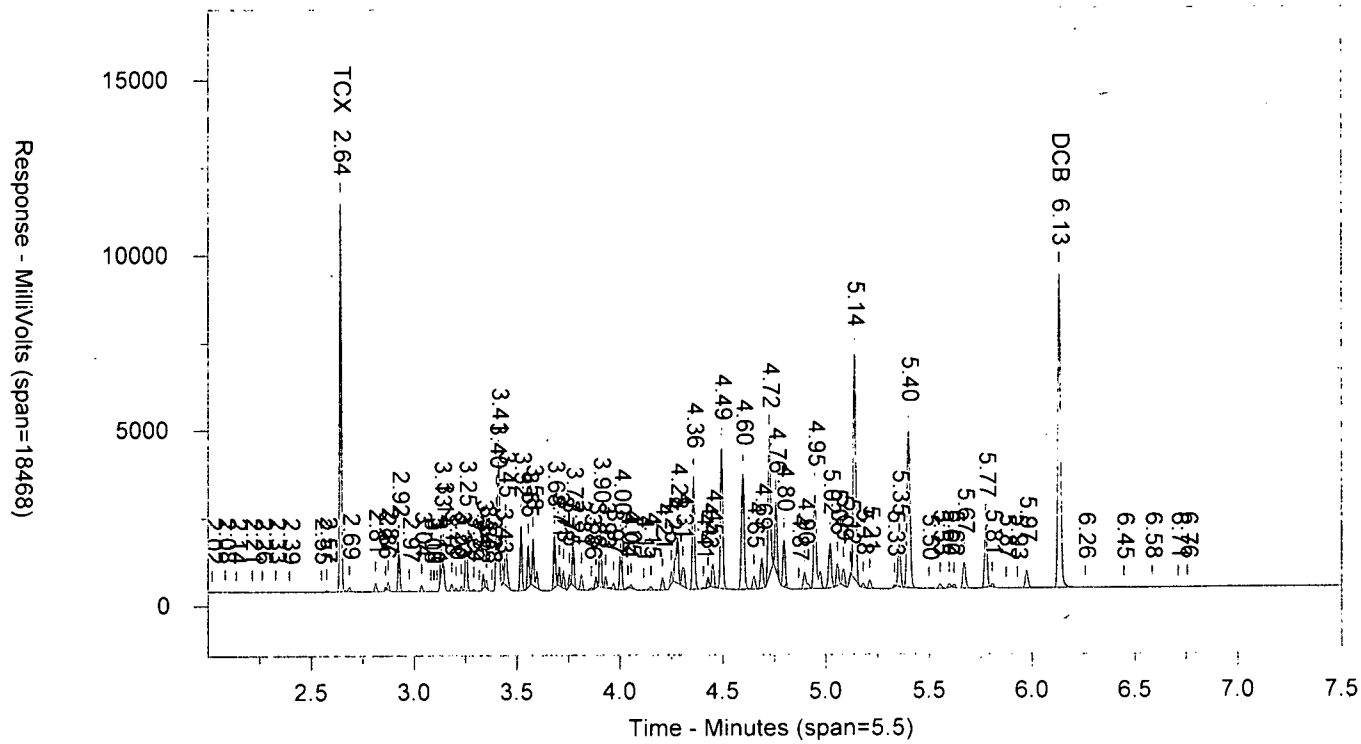

AR1651724B AAAR165AA ICAL 1725699999 10736 SW-846 8082

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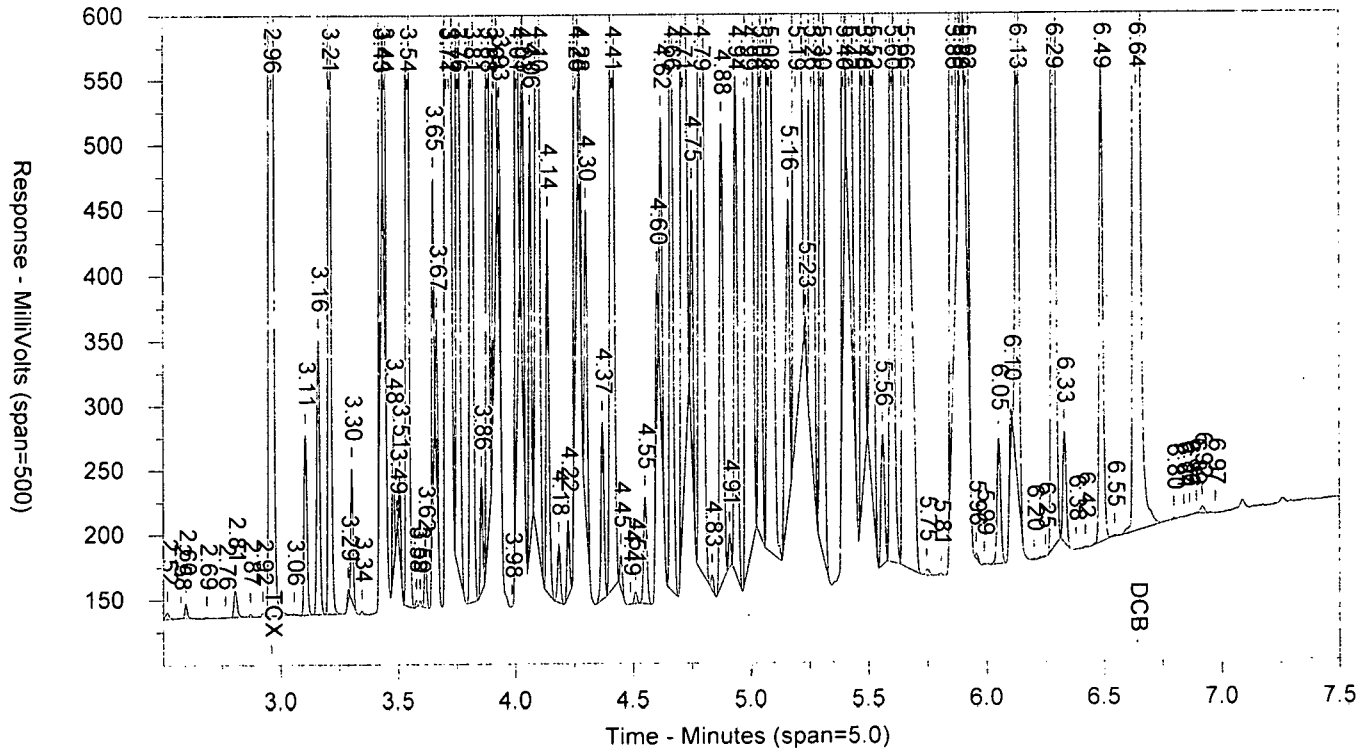

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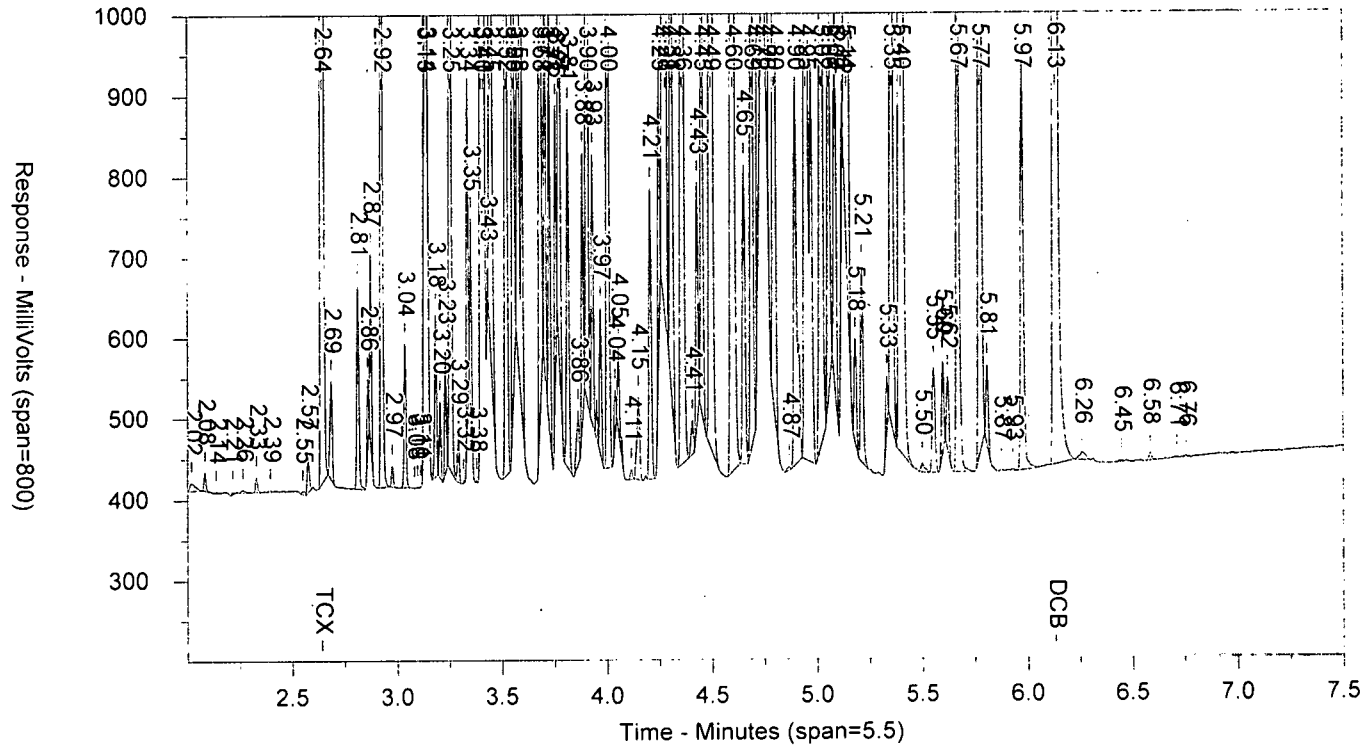

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:53:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.012.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.043		415	186
2.074		5984	9067
2.111		4761	11372
2.235		781	538
2.259		40939	29341
2.366		17745	17472
2.399		1365	1846
2.459		981	728
2.516		4747	6275
2.596		20792	14761
2.681		1542	1372
2.765		524	358
2.805		7114	6093
2.871		3980	2865
2.922		2618	2325
2.959	TCX	9198455	6321408
3.055		883	642
3.105		260700	231680
3.161		387451	318880
3.208		1667471	1201359
3.286		9047	4158
3.302		193121	134182
3.343		5406	4155
3.424		1675375	1018707
3.441		813819	417391
3.478		199158	115028
3.493		17436	6534
3.504		108985	59664
3.538		2129489	1659503
3.576		9900	5070
3.591		8255	4144
3.614		79285	53178
3.648		454012	264380
3.663		239563	122489
3.706		1003450	552577
3.717		2782033	1458028
3.754		2803036	2148443
3.812		2564393	1937598
3.854		171343	122900
3.882		1531755	1118504
3.908		1044768	860569
3.93		239818	136518
3.98		1193	459
4.006		1861264	1327136
4.03		602900	391134
4.061		686297	471440
4.095		2009083	1928187
4.134		577321	479435
4.181		95539	79617
4.221		116075	89336
4.256		1643814	1242656
4.272		290859	150630
4.298		512306	390169
4.368		270532	238949

RT A	Compound A	Height A	Area A
4.411		1922983	1861839
4.445		53003	36283
4.486		1185	646
4.508		18237	14719
4.549		167536	160461
4.6		221932	147208
4.617		427246	307559
4.661		1257335	1162924
4.711		1967142	2096728
4.748		392072	284043
4.787		4395058	4279050
4.831		23053	17545
4.873		742509	768214
4.907		50846	33504
4.934		796571	740338
4.986		6007472	7103654
5.037		992326	901184
5.077		2788282	2970892
5.119		14326	6306
5.157		475072	566800
5.19		7496748	7884931
5.257		3352841	3092477
5.3		2034005	1975648
5.394		837296	665804
5.419		3708028	3286612
5.476		1829887	1681832
5.514		1019492	1020116
5.556		184849	197131
5.597		1220628	1397888
5.654		10562870	10780820
5.745		9651	11579
5.802		3294	3311
5.858		6394905	5861110
5.889		299759	181866
5.913		1254975	1410586
5.99		532	366
6.003		1503	888
6.05		164527	175282
6.101		70792	59531
6.128		980281	933318
6.197		624	389
6.216		446	325
6.233		1477	1521
6.283		2478398	2507907
6.329		162555	159446
6.372		967	788
6.417		1803	1622
6.485		670662	710324
6.535		519	162
6.558		625	414
6.635	DCB	8092601	8733335
6.767		872	474
6.798		2079	2553
6.872		557	529
6.893		561	120
6.911		4773	5714
6.971		1176	1357

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:53:27 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.012.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		8759	18024
2.083		28869	19168
2.215		2368	1531
2.261		3404	5318
2.327		34621	22668
2.391		3788	19215
2.55		4785	5560
2.575		13420	8352
2.598		5555	3182
2.642	TCX	14837670	8530856
2.685		214714	167288
2.812		476153	314264
2.86		96531	43644
2.873		461617	245331
2.925		2601226	1547333
2.975		36300	21025
3.036		331832	210475
3.078		565	99
3.097		678	271
3.131		2152935	1071504
3.143		788929	302247
3.183		390099	241078
3.204		180735	100639
3.23		277419	160113
3.254		3221021	2079253
3.29		118813	70885
3.317		3763	1673
3.335		836375	440861
3.351		465080	229150
3.378		5465	2258
3.401		2287766	934898
3.411		4251492	1841466
3.431		114026	37471
3.445		3572933	2362923
3.519		3898437	2396458
3.553		2507195	1506078
3.577		2900724	2203385
3.68		3148939	2064446
3.703		1142210	623386
3.724		1033267	621880
3.753		681966	351688
3.77		2679353	1643883
3.812		866443	662812
3.86		130336	108407
3.882		687841	406926
3.903		3395321	2224923
3.929		722117	481548
3.967		364263	232635
4.002		2909367	1955404
4.053		291125	433239
4.113		25242	16936
4.147		195482	182870
4.181		9760	4700
4.204		723679	543972

RT B	Compound B	Height B	Area B
4.247		731703	429388
4.278		2848204	2782532
4.305		1105831	1120778
4.356		6738653	5155276
4.403		84788	67439
4.426		593898	412225
4.45		1394904	1004897
4.493		8533178	6492639
4.595		6802277	6456930
4.649		776902	656048
4.687		1713848	1505414
4.724		8788362	7208547
4.755		3945333	2838999
4.794		2836639	2226840
4.863		9273	10196
4.894		947852	1021000
4.944		5587798	5621674
5.018		2698494	2455671
5.054		1328108	1047394
5.083		1011725	821808
5.117		333873	197035
5.138		13774250	11388840
5.179		246902	193618
5.211		442952	397803
5.328		122892	81498
5.351		2568247	2125904
5.396		9527196	9772570
5.496		3074	1896
5.513		4946	3170
5.551		225937	203319
5.595		218953	166288
5.618		155648	113273
5.668		1511372	1325624
5.773		3628971	2981822
5.805		185399	141762
5.926		2709	2589
5.971		932231	857810
6.091		1807	1973
6.13	DCB	12391150	10749220
6.257		9263	17599
6.307		5171	4629
6.443		1578	1626
6.466		2277	2761
6.579		12517	13707
6.702		1781	2835
6.751		3019	2665
6.93		1669	3550

AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082

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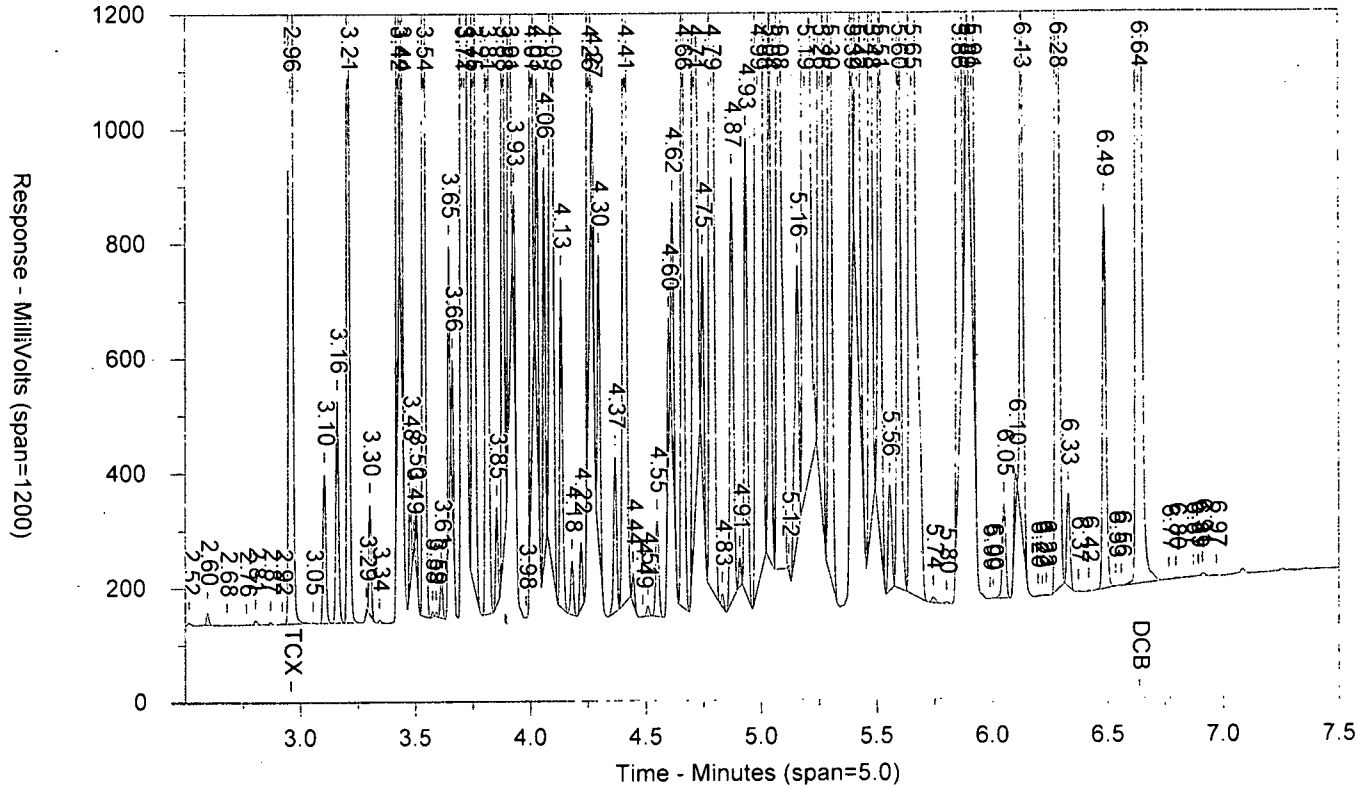

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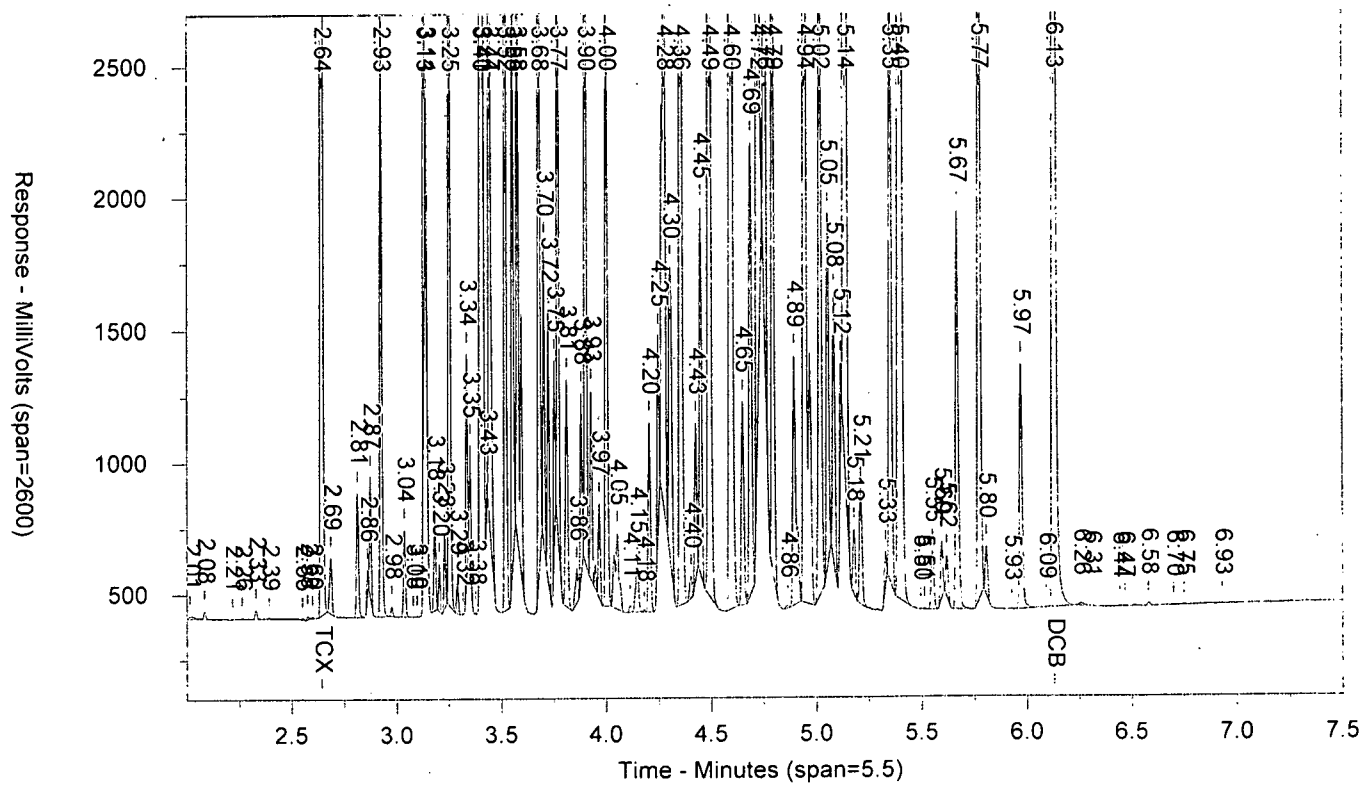

LANCASTER LABORATORIES

Sample Number: AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 5:53:27 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	9198455	81.572	TCX	2.642	14837670	83.465	TCX
6.635	8092601	75.989	DCB	6.13	12391150	82.353	DCB

Files:
Area File: 25pcbs17257002.012.RAW
Area File: 25pcbs17257002B.012.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:01:58 PM
File Reported On: 9/14/2017 at 6:02:06 PM

AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082

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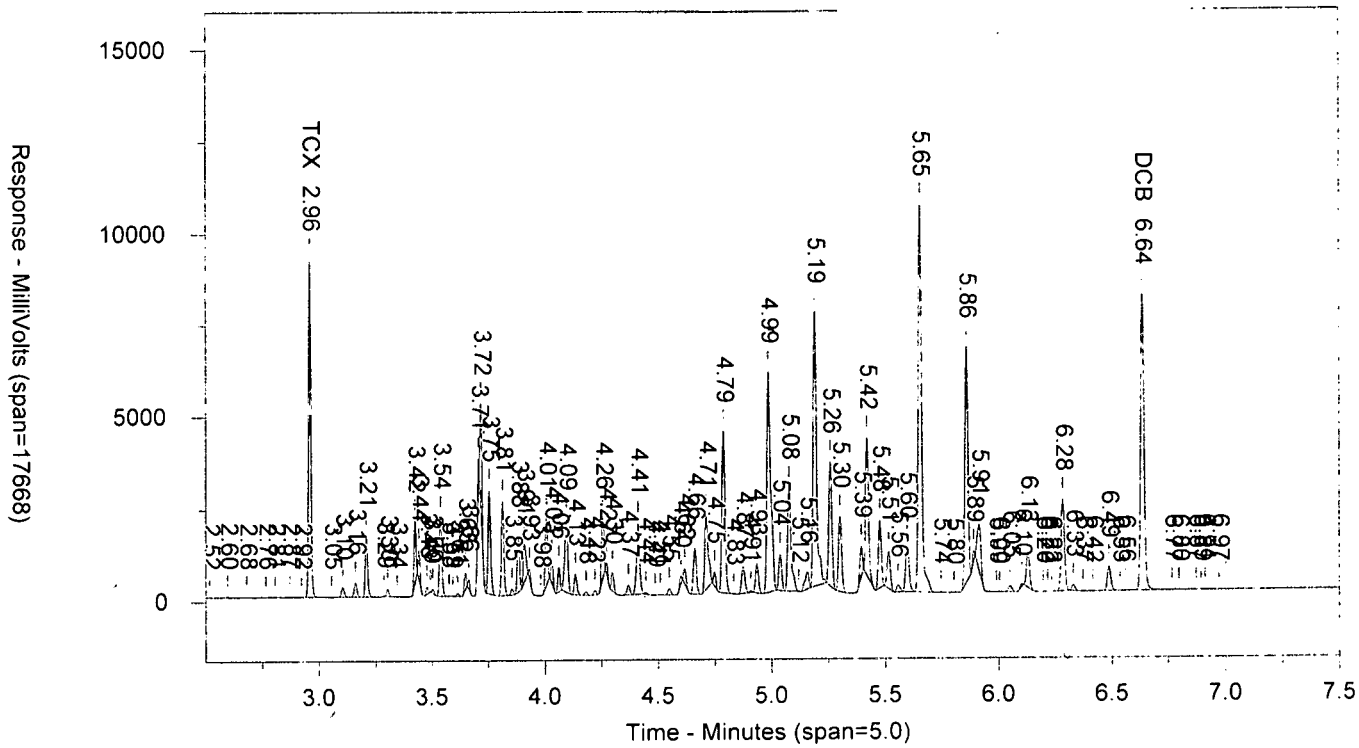

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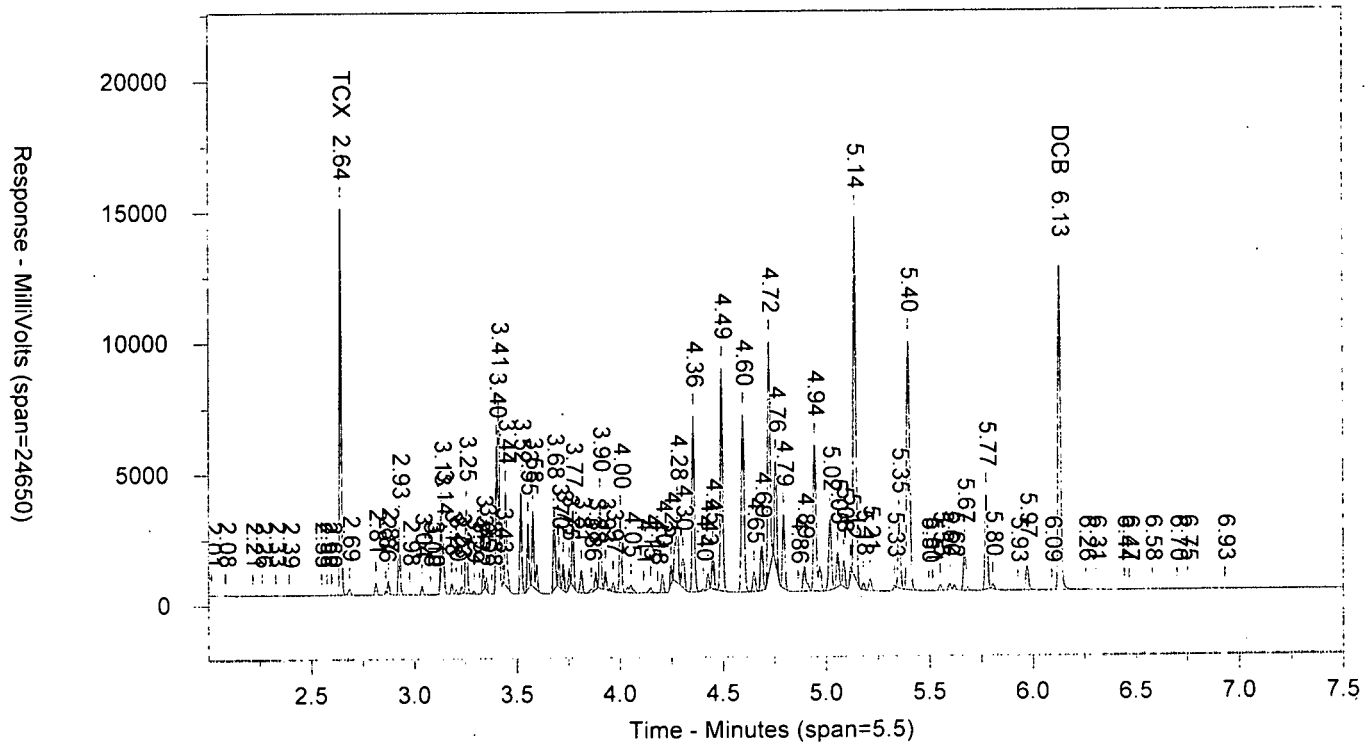

AR1661724A AAAR166AA ICAL 1725699999 10736 SW-846 8082

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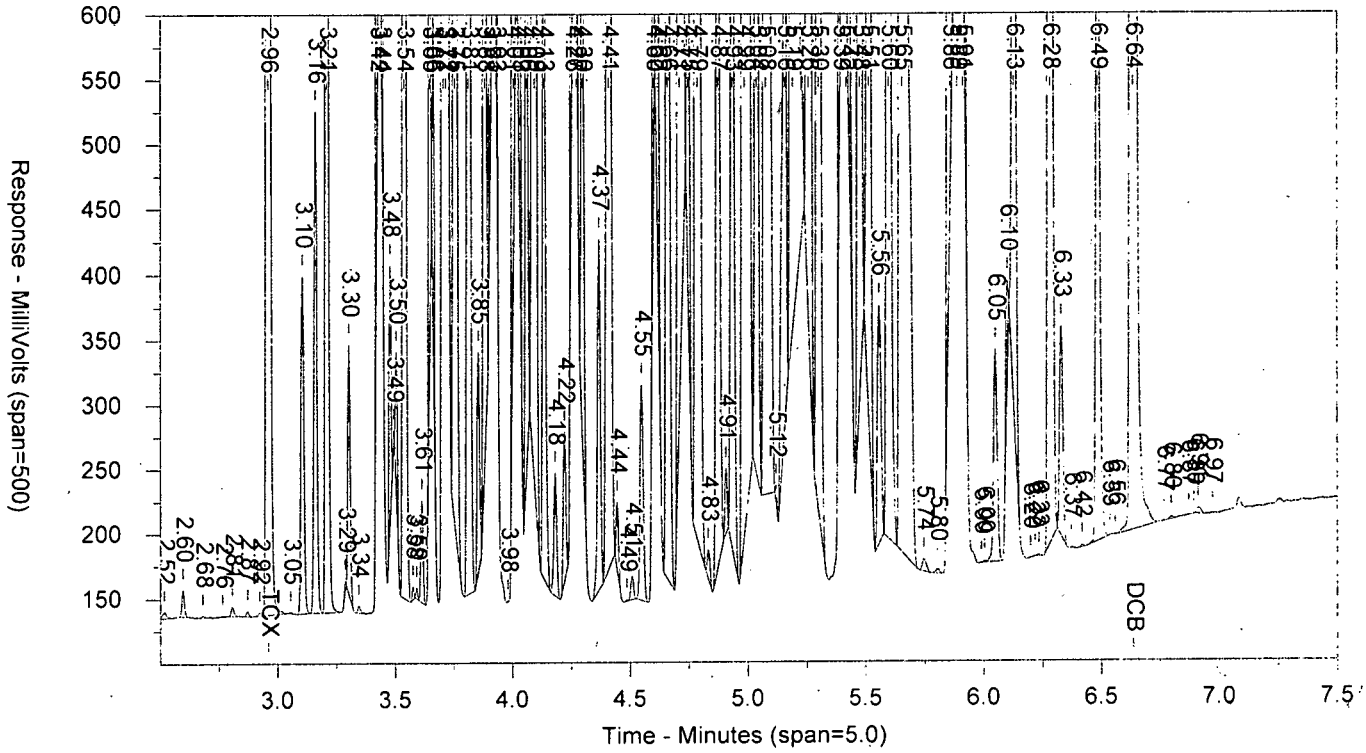

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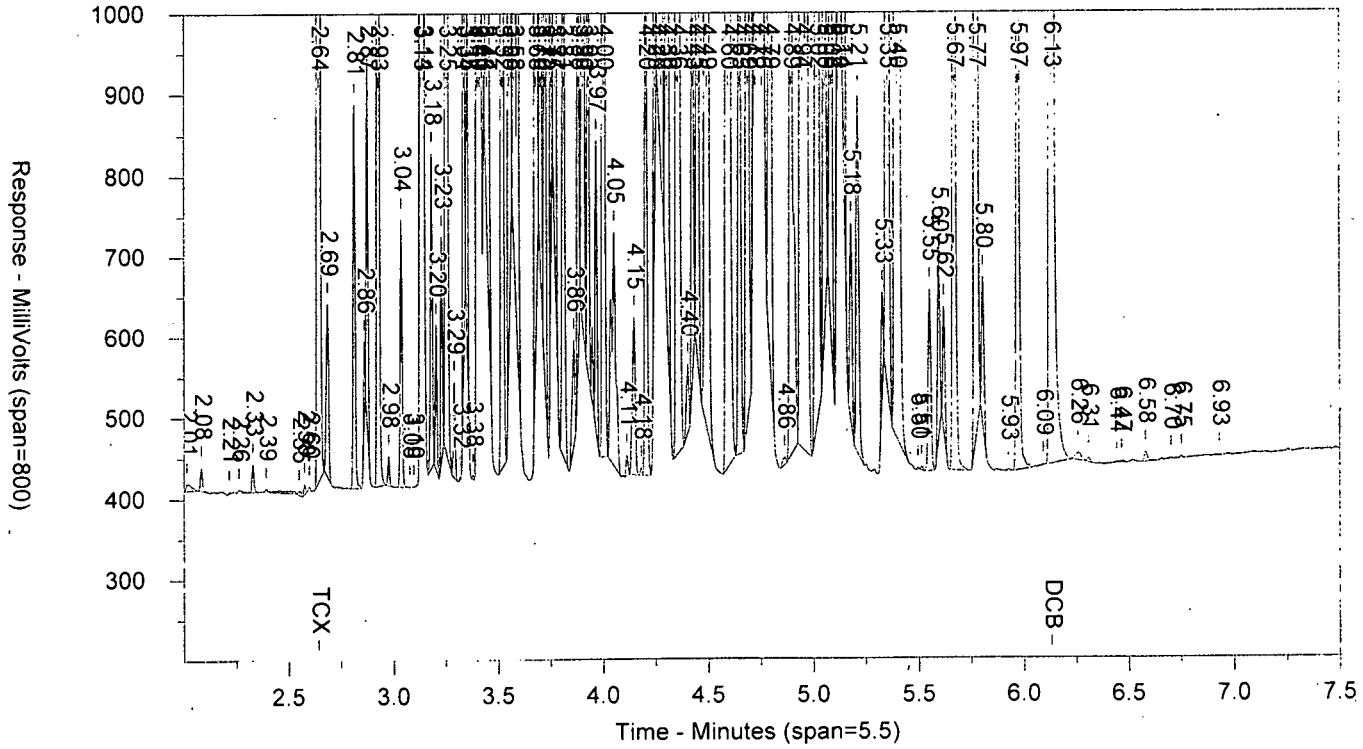

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:04:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.013.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		5534	7247
2.111		5454	14809
2.26		1218	1012
2.358		14994	10748
2.398		1448	2007
2.517		4218	5077
2.593		594	387
2.761		391	312
2.806		21244	22354
2.906		379	168
2.924		2440	1916
2.959	TCX	219522	148572
3.065		601	831
3.106		1803	2017
3.158		3558	3144
3.209		10218	7584
3.289		1681	1110
3.302		1047	527
3.345		409	150
3.395		304	224
3.425		28114	17298
3.442		7978	4162
3.48		2130	1370
3.54		28864	21888
3.631		1297	1093
3.65		5186	2868
3.708		27568	14724
3.719		28905	13119
3.756		35845	28400
3.814		40147	30708
3.856		5689	4138
3.884		70211	52354
3.911		42668	33779
3.933		13075	6720
3.959		1581	1154
4.007		79381	58895
4.032		21908	14329
4.064		26914	19291
4.097		67359	62191
4.138		22173	18146
4.184		2334	2003
4.224		6961	5378
4.257		49906	35971
4.276		67561	42877
4.3		80042	61737
4.37		6902	6508
4.406		75043	108714
4.447		16292	11163
4.489		851	591
4.512		3765	3219
4.552		22205	20706
4.603		32090	28064
4.636		17559	13658
4.664		54385	48207

RT A	Compound A	Height A	Area A
4.712		1193	802
4.747		21090	20284
4.791		5357	6158
4.838		4952	4666
4.879		38291	39174
4.936		2622	1943
4.958		1962	1424
5.004		8177	13653
5.076		37663	40361
5.121		932	697
5.159		2628	3144
5.193		11912	14420
5.264		1894	1683
5.308		849	843
5.36		3958	5737
5.4		2886	2184
5.42		1750	1335
5.481		1334	1626
5.518		669	712
5.579		182	707
5.597		2725	3071
5.658		4318	4306
5.682		2715	2963
5.731		469	200
5.772		516	669
5.796		609	646
5.82		684	729
5.862		4320	4029
5.894		541	315
5.915		1222	1319
5.957		6541	6657
5.989		2243	2544
6.051		816	550
6.117		866	747
6.132		758	443
6.169		617	507
6.193		766	670
6.283		3127	7825
6.32		3592	3859
6.381		360	703
6.423		765	174
6.454		738	354
6.49		2899	3002
6.545		2691	3790
6.638	DCB	247343	271230
6.695		1779	1538
6.72		368	163
6.785		196	536
6.804		897	1041
6.819		716	328
6.868		394	524
6.916		6114	8041
6.984		1303	1252

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:04:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.013.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.021		9702	28464
2.183		1772	1922
2.269		4121	16305
2.394		2273	5345
2.557		3336	3197
2.574		45973	37709
2.642	TCX	345775	208373
2.813		3515	4305
2.86		6539	7851
2.925		17666	13433
3.035		2903	2071
3.062		1125	358
3.086		1337	649
3.097		890	252
3.106		748	173
3.131		39501	20340
3.143		8778	3170
3.183		4283	2552
3.204		2020	1672
3.23		1562	1013
3.253		44609	29854
3.337		10005	5156
3.352		3978	2483
3.383		1410	515
3.402		49648	20831
3.412		45337	19436
3.432		8382	3508
3.446		43379	26158
3.521		66101	42600
3.555		112746	70611
3.578		106720	86005
3.682		139735	126347
3.726		43827	25918
3.755		20468	9935
3.772		89805	57753
3.814		36654	25956
3.862		6159	5312
3.883		66270	42257
3.907		147512	103010
3.931		105062	82497
4.004		52101	38013
4.04		93145	152170
4.115		6374	4697
4.15		32912	26796
4.207		53159	44524
4.24		29198	21736
4.268		78575	66764
4.361		36267	35523
4.398		7714	6353
4.431		50671	47142
4.496		9970	14782
4.596		9190	14014
4.65		49785	42897
4.727		15678	32130

RT B	Compound B	Height B	Area B
4.875		2261	2535
4.948		3194	2389
4.974		4922	4269
5.054		2036	2539
5.122		2158	1469
5.141		7262	6414
5.352		2678	2277
5.405		2286	1873
5.5		12392	13636
5.553		3196	4254
5.622		3696	5137
5.669		2637	3060
5.776		3657	3373
5.972		5275	9608
6.131	DCB	328112	327368
6.257		12075	40248
6.438		2473	4632
6.638		1170	3364
6.698		1879	2891
6.931		1828	12489

AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082

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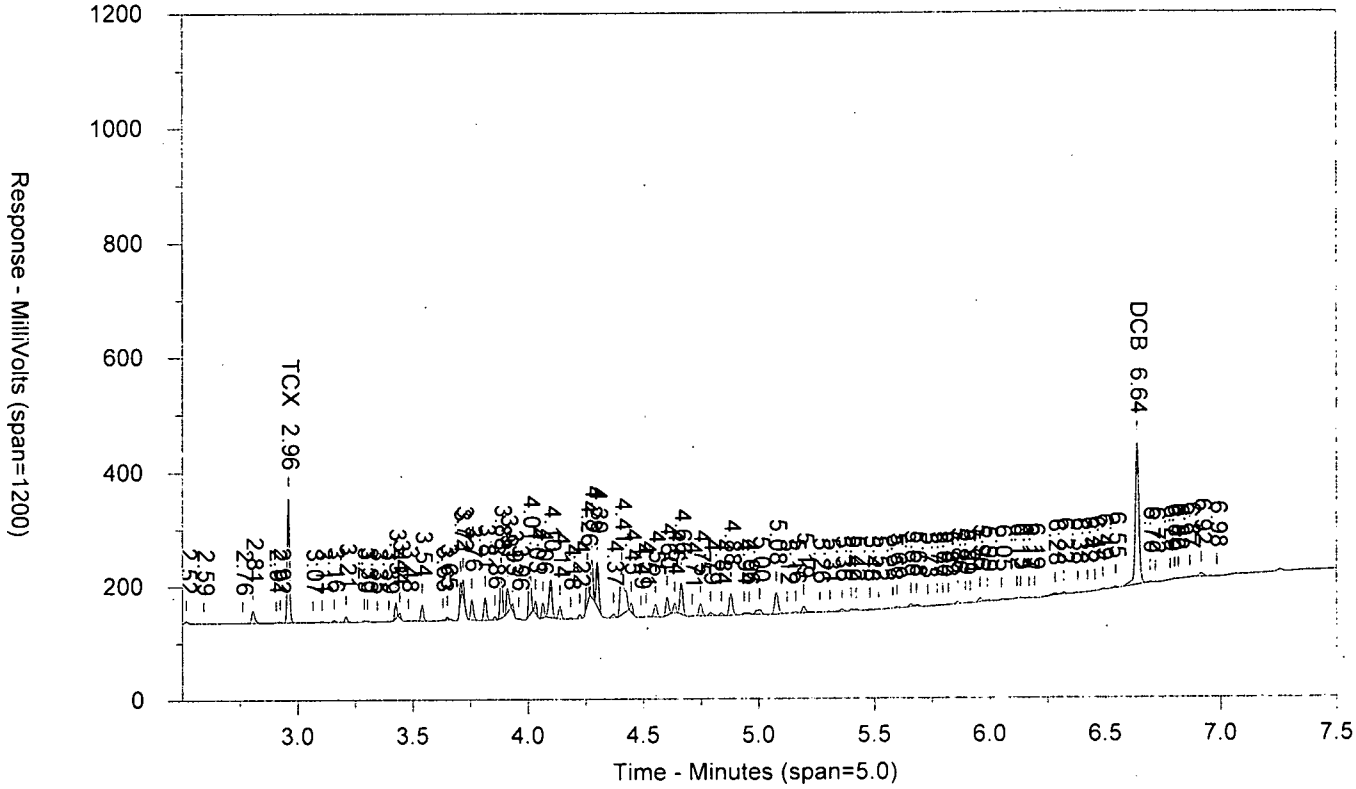

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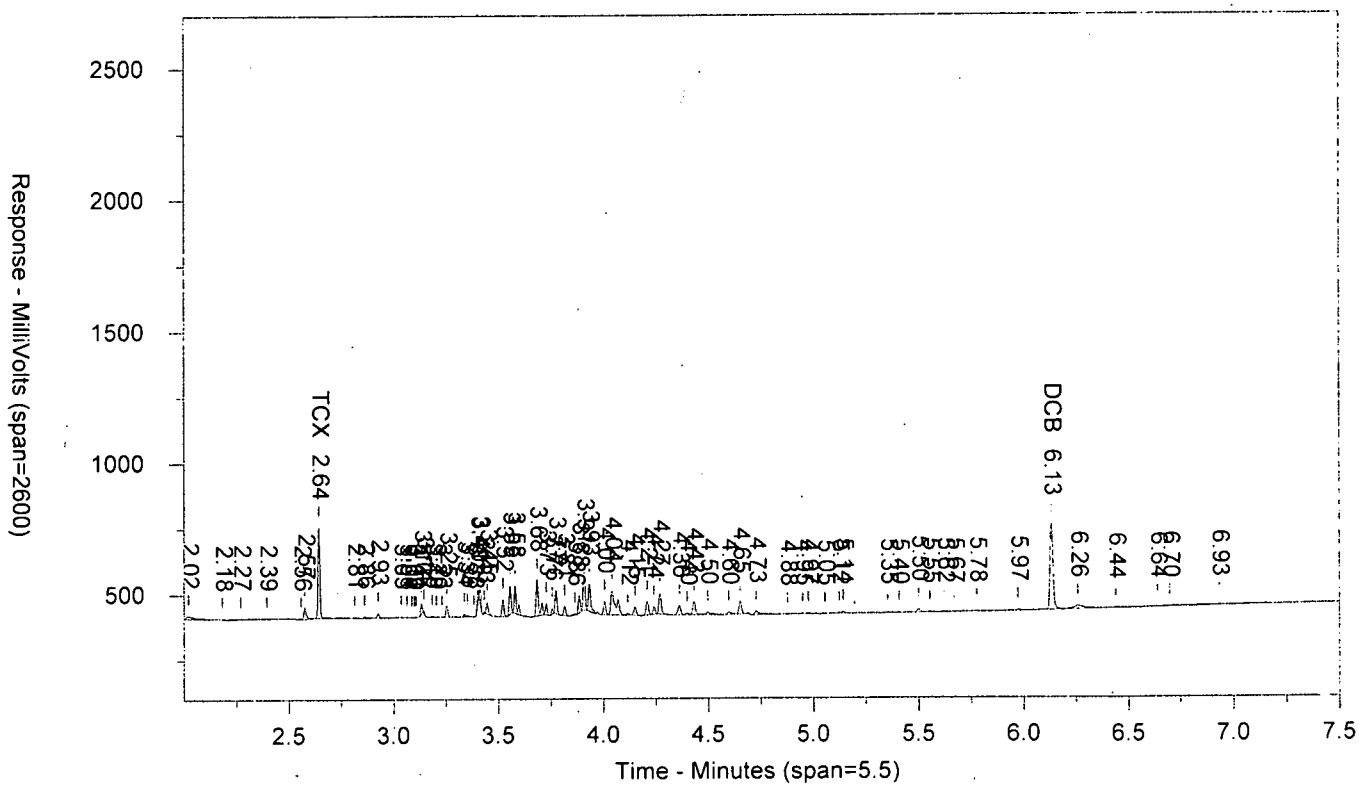

LANCASTER LABORATORIES

Sample Number: AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:04:53 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	219522	1.931	TCX	2.642	345775	1.934	TCX
6.638	247343	2.323	DCB	6.131	328112	2.173	DCB

Files:
Area File: 25pcbs17257002.013.RAW
Area File: 25pcbs17257002B.013.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:13:26 PM
File Reported On: 9/14/2017 at 6:13:36 PM

AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082

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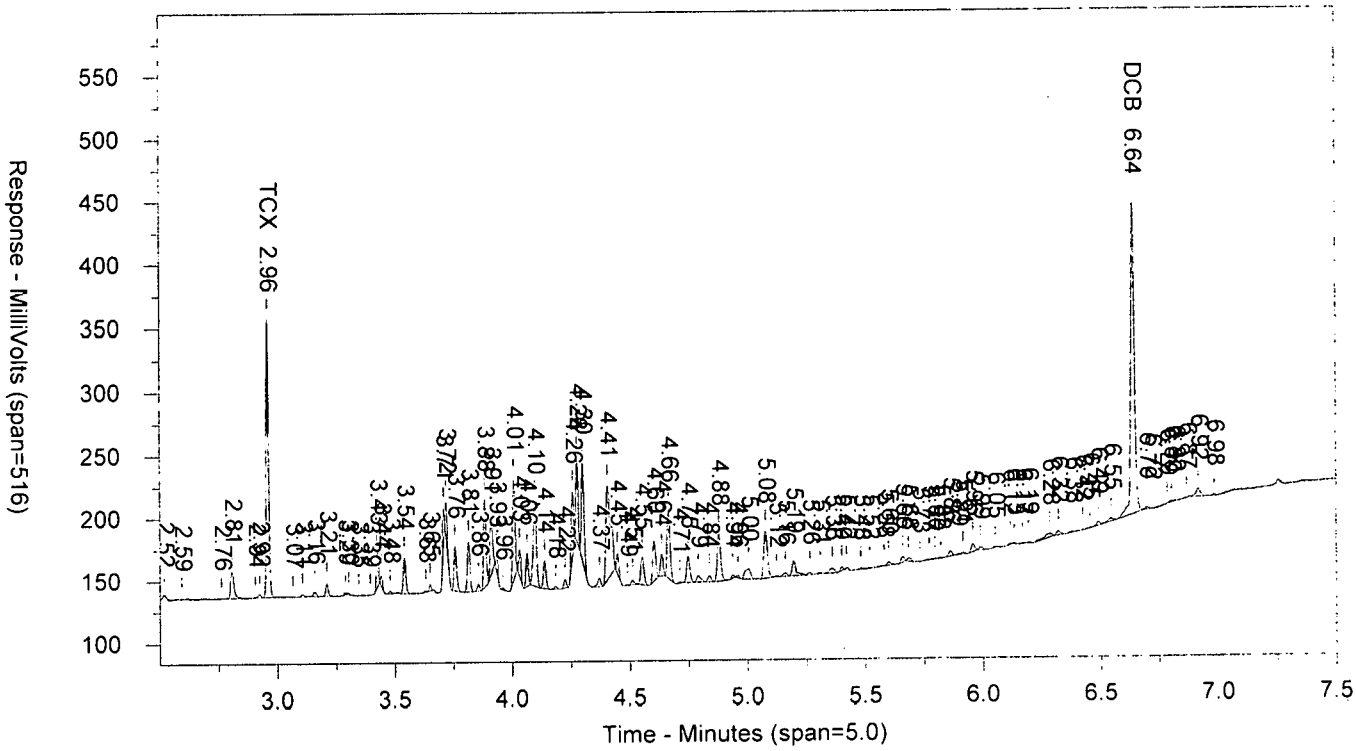

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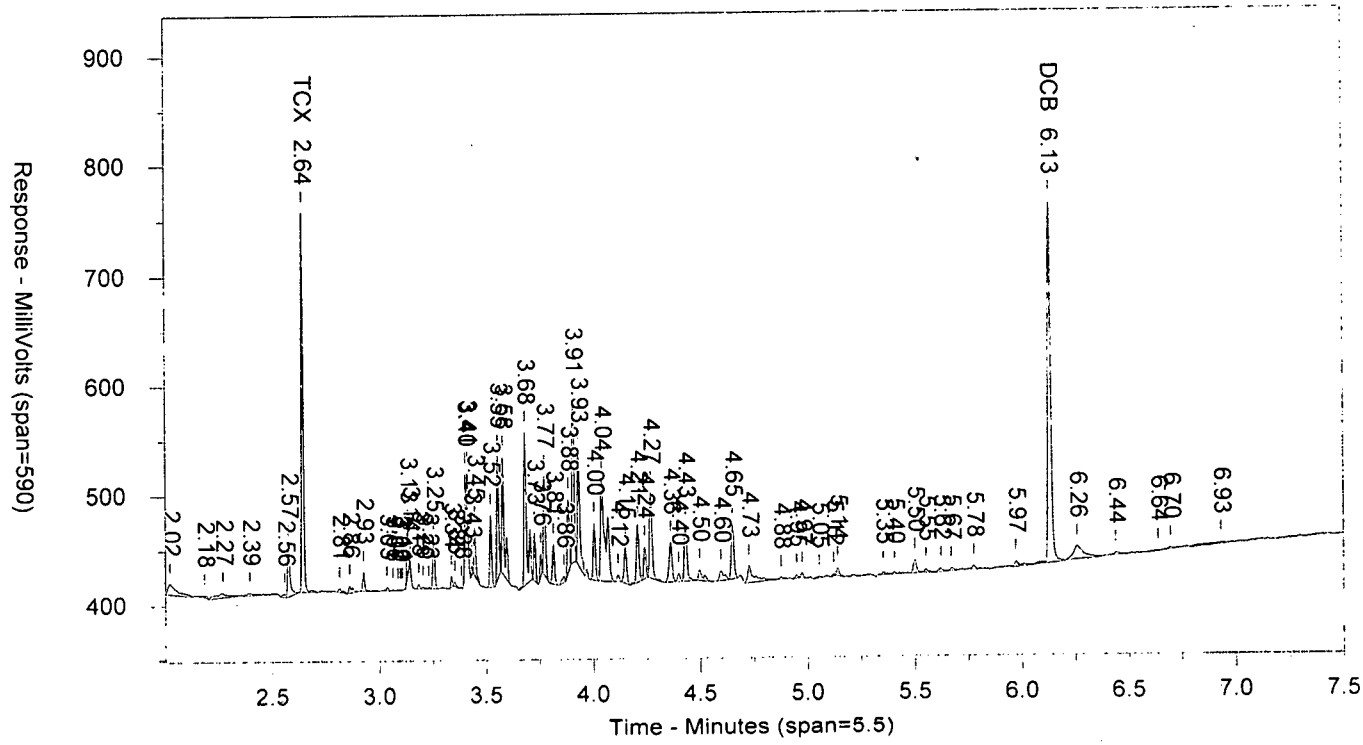

AR4811724C AAAR481AA ICAL 1725699999 10736 SW-846 8082

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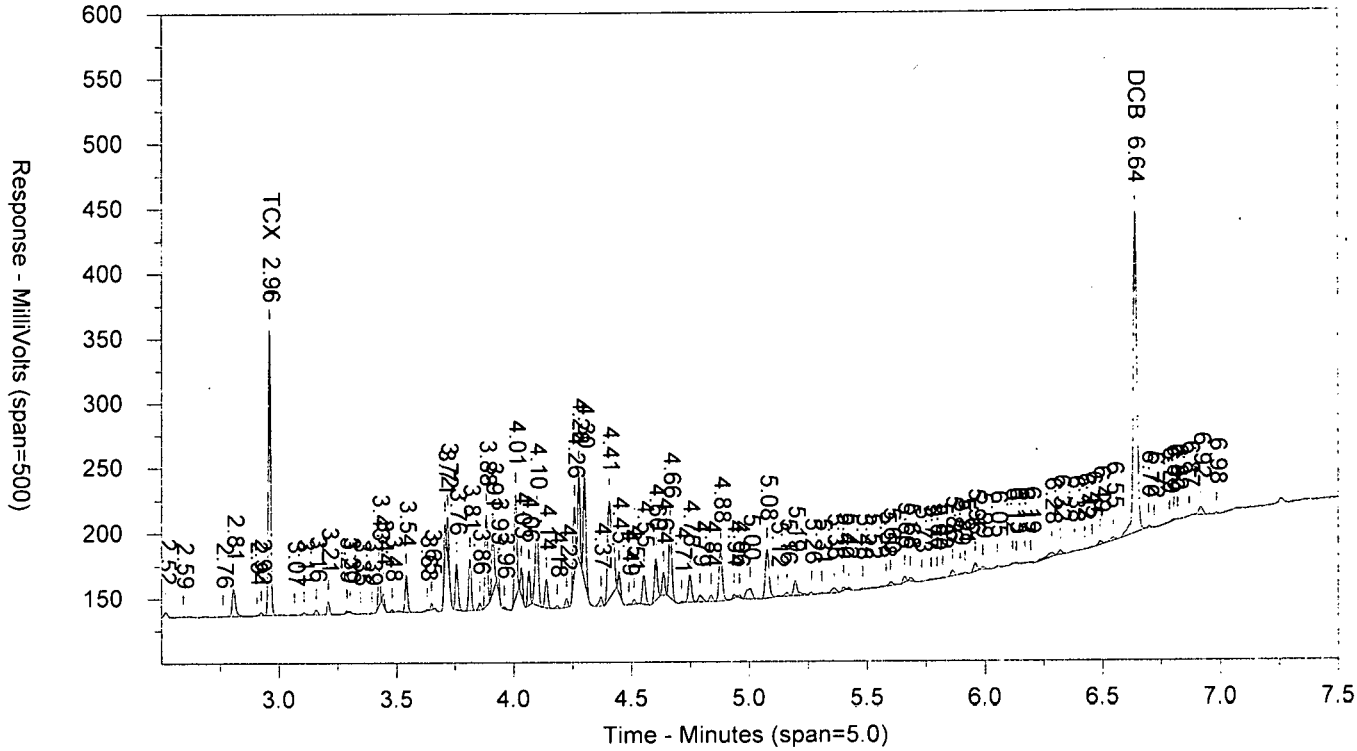

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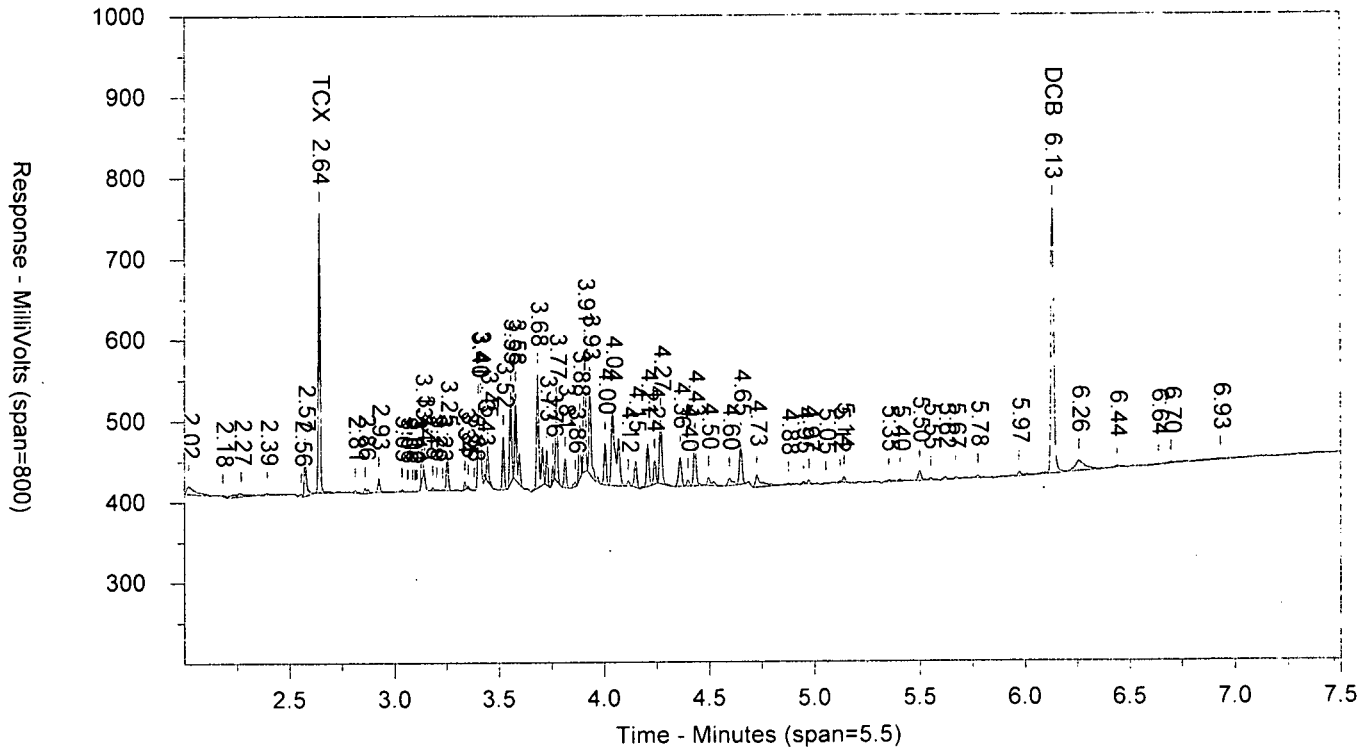

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:16:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.014.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6988	9429
2.11		6707	17771
2.259		2194	1510
2.301		401	298
2.358		449219	317159
2.395		3718	3279
2.468		1129	555
2.486		11381	8021
2.518		4310	3957
2.541		836	328
2.561		5480	3762
2.636		14996	10639
2.691		1080	934
2.763		874	765
2.806		32872	35953
2.922		3152	2855
2.96	TCX	441809	302121
2.999		727	396
3.046		914	1468
3.107		2733	2716
3.158		7092	6028
3.209		17895	13260
3.26		922	619
3.288		2425	1403
3.302		2810	1585
3.363		472	520
3.425		52440	32315
3.442		15522	7818
3.478		4122	2817
3.54		51663	40060
3.63		1216	1145
3.649		9325	5258
3.663		2549	1180
3.707		47419	25340
3.718		52082	24691
3.754		64383	51095
3.813		73784	57054
3.855		10513	7279
3.883		125116	94664
3.91		79494	62894
3.931		23576	12593
3.957		1715	1075
4.006		143217	107763
4.03		40984	25850
4.062		48512	35945
4.095		128922	117943
4.136		40367	35469
4.184		3155	2339
4.222		13196	10289
4.255		100175	70382
4.276		127824	81735
4.298		147961	113656
4.369		13063	12274
4.404		140756	209315

RT A	Compound A	Height A	Area A
4.446		33953	24202
4.487		1950	1257
4.509		8063	6411
4.55		40424	38402
4.601		62796	53419
4.633		34846	26248
4.663		102268	93346
4.712		1852	1290
4.746		38649	37837
4.789		9443	11599
4.836		10340	9457
4.876		72625	72152
4.935		1881	1355
4.956		4757	3795
5.001		13239	22738
5.043		884	719
5.073		74228	76103
5.121		1729	1288
5.152		2772	3719
5.192		20070	20599
5.232		1240	870
5.259		3192	2879
5.303		1822	1896
5.357		5236	8023
5.398		6501	5457
5.419		2319	2204
5.479		1845	1737
5.519		828	818
5.557		1232	1427
5.596		3966	3790
5.621		440	293
5.657		6373	5501
5.682		4213	4442
5.761		694	596
5.822		359	337
5.859		5342	5193
5.917		2452	3292
5.955		5187	4917
5.989		2551	2929
6.051		3077	3542
6.116		2727	4066
6.17		362	208
6.19		1206	1207
6.282		4273	12004
6.318		3228	3772
6.415		527	1315
6.488		5299	6089
6.543		2521	3665
6.636	DCB	454506	505308
6.694		1544	1772
6.744		488	190
6.799		793	992
6.83		381	84
6.871		537	319
6.916		6054	7430
6.953		365	132
6.966		538	178
6.978		432	142

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:16:12 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.014.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.021		23154	165074
2.159		9051	41317
2.186		14776	10988
2.233		6888	7193
2.265		32880	26673
2.394		4182	4513
2.465		4265	4453
2.554		4485	4210
2.575		82455	74754
2.642	TCX	684769	408405
2.683		2237	1988
2.728		1560	968
2.813		5520	6732
2.86		9738	5185
2.873		4894	2173
2.926		29775	18170
2.948		2122	1168
2.976		2517	1832
3.038		6728	4207
3.088		1008	395
3.099		702	238
3.116		430	77
3.132		74606	37236
3.143		10074	3677
3.174		428	49
3.182		3761	1990
3.201		3273	3122
3.229		2790	1346
3.254		78452	53907
3.29		2080	1576
3.336		17931	9223
3.352		6352	3418
3.38		1735	838
3.402		77966	38307
3.411		83422	33767
3.431		16914	6725
3.445		78326	47239
3.519		117098	76318
3.553		195254	124414
3.577		180145	153371
3.662		4657	2537
3.681		229727	149848
3.704		77544	42636
3.724		81457	48218
3.754		35518	17579
3.77		162135	100636
3.812		67003	48449
3.86		12331	10472
3.882		132246	82050
3.905		302753	195997
3.929		218226	156704
3.967		16466	9717
4.003		98609	71202
4.038		154430	134363

RT B	Compound B	Height B	Area B
4.067		82478	49683
4.113		12056	8790
4.148		60972	48772
4.206		99422	79184
4.238		60075	42094
4.266		152912	118699
4.303		3226	2796
4.359		64233	64724
4.395		16315	12055
4.428		105414	86697
4.494		14657	10035
4.521		7059	5353
4.593		17181	20511
4.647		102113	80049
4.679		6044	7060
4.725		31107	54609
4.868		2970	3893
4.944		4206	3518
4.969		8429	10381
5.052		2392	3782
5.086		2241	2242
5.118		4033	2468
5.138		10089	8779
5.354		6254	11425
5.403		5220	6761
5.497		9648	11465
5.553		5539	7137
5.62		5686	6587
5.672		3676	3815
5.771		3929	6494
5.971		7730	6384
6.081		1744	1186
6.13	DCB	643423	610343
6.257		12156	39552
6.432		3417	3898
6.509		1956	6886
6.558		1368	2309
6.749		3374	10475
6.874		2426	8154

AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082

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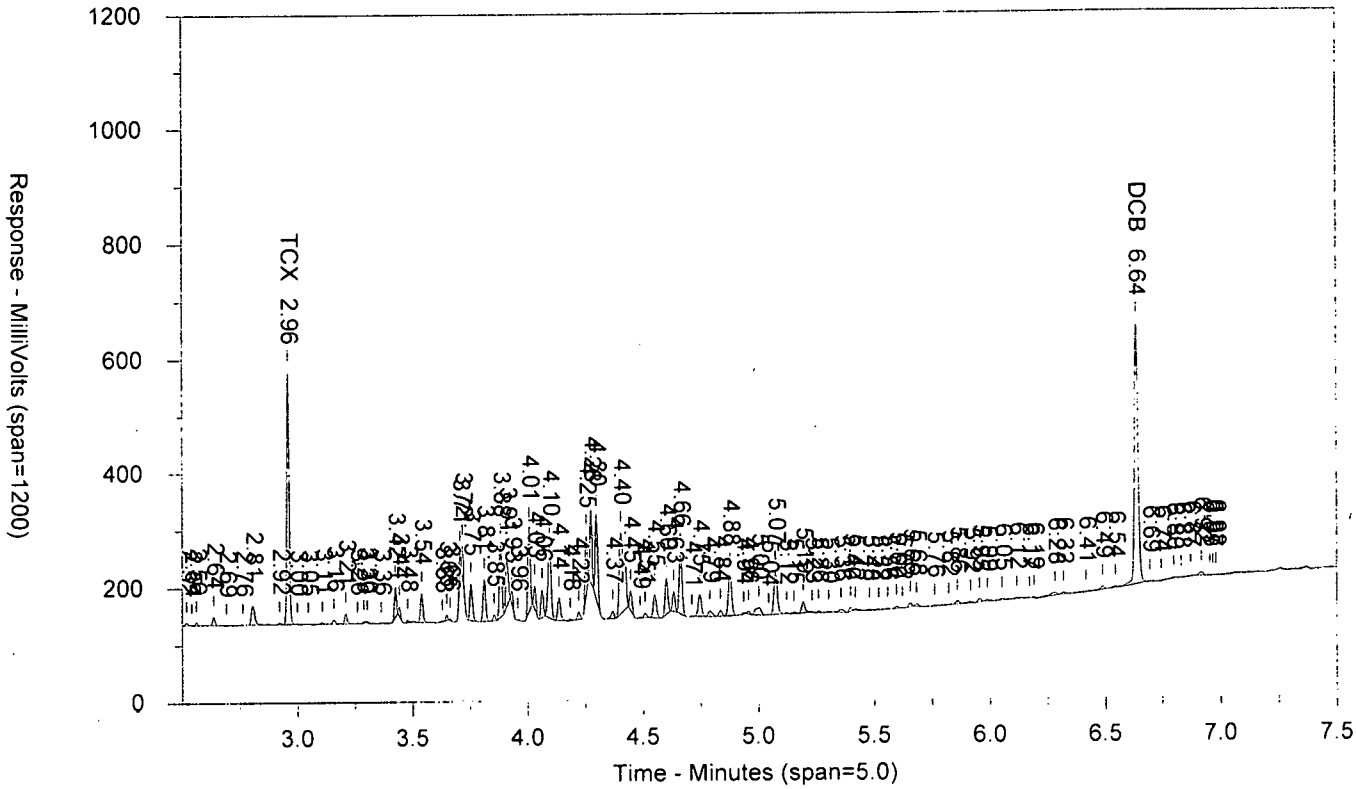

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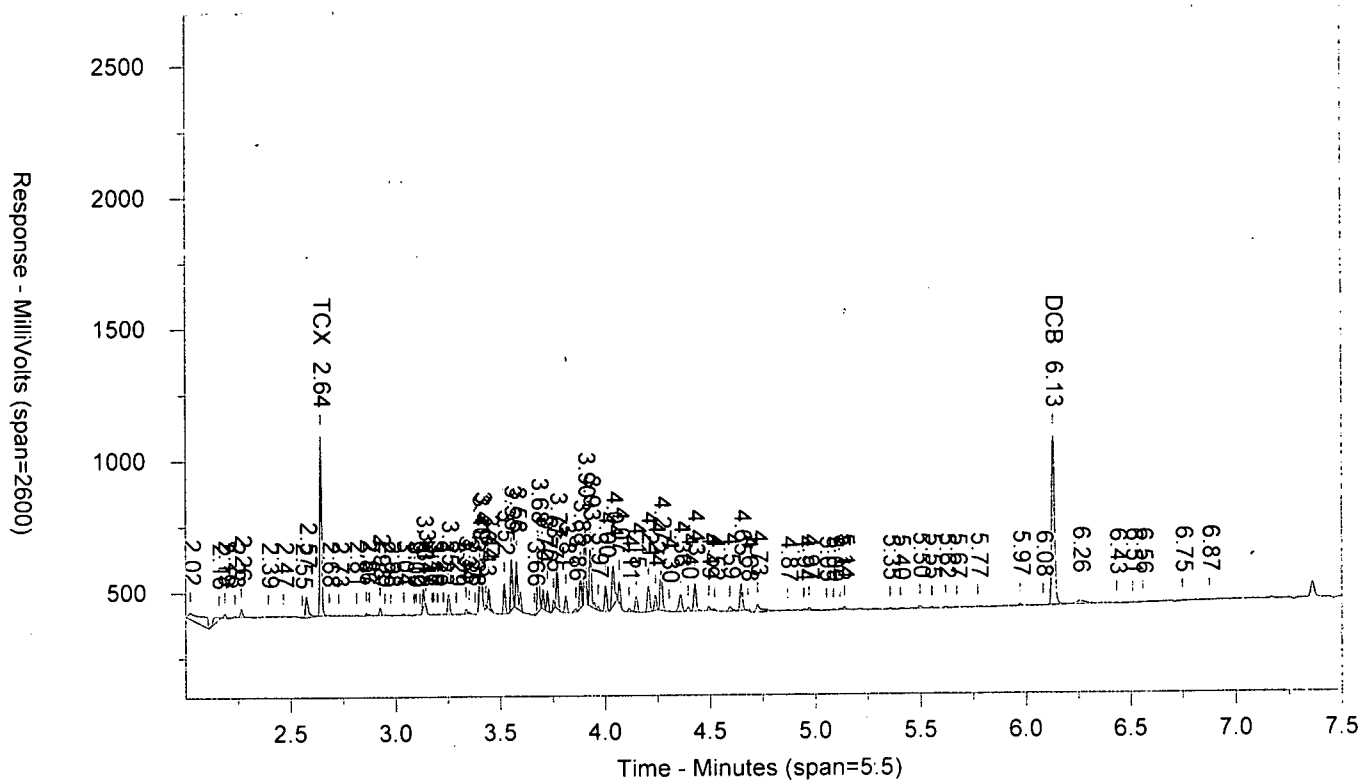

LANCASTER LABORATORIES

Sample Number: AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:16:12 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	441809	3.887	TCX	2.642	684769	3.831	TCX
6.636	454506	4.268	DCB	6.13	643423	4.261	DCB

Files:
Area File: 25pcbs17257002.014.RAW
Area File: 25pcbs17257002B.014.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:24:43 PM
File Reported On: 9/14/2017 at 6:24:55 PM

AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082

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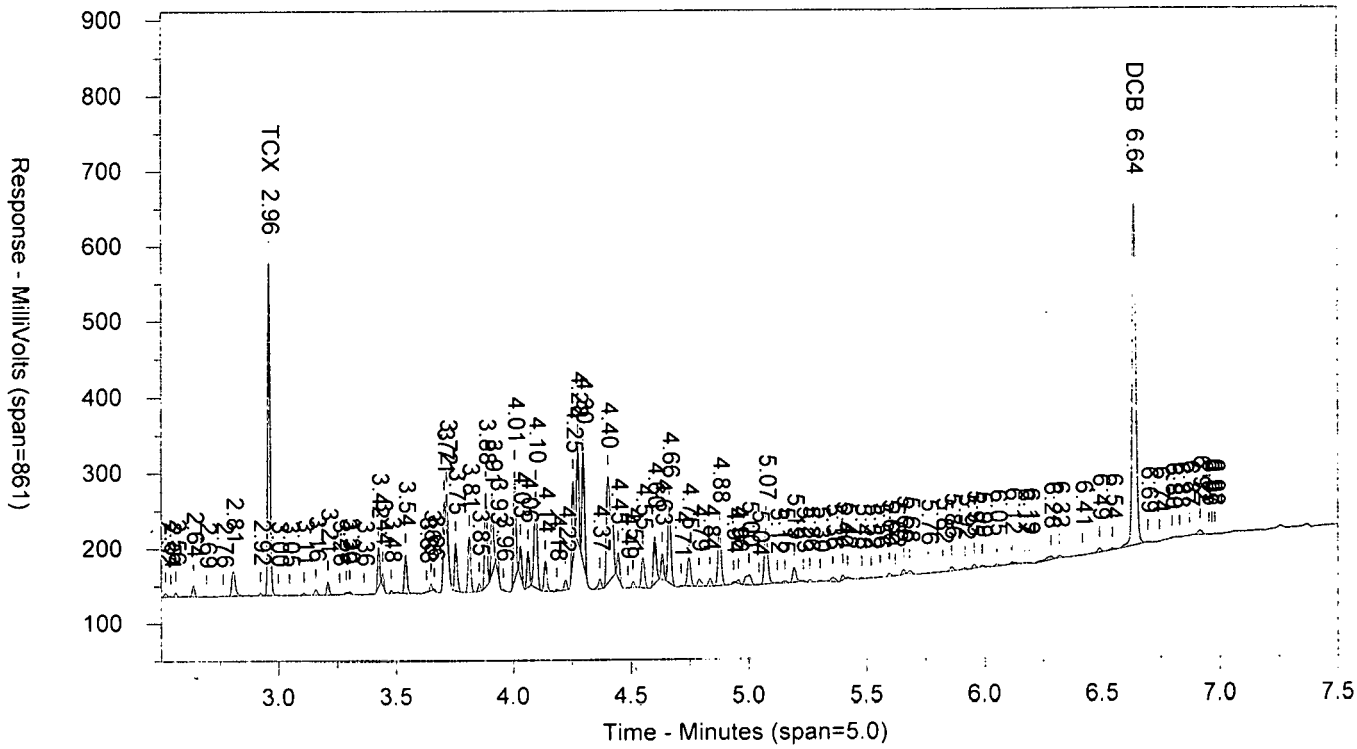

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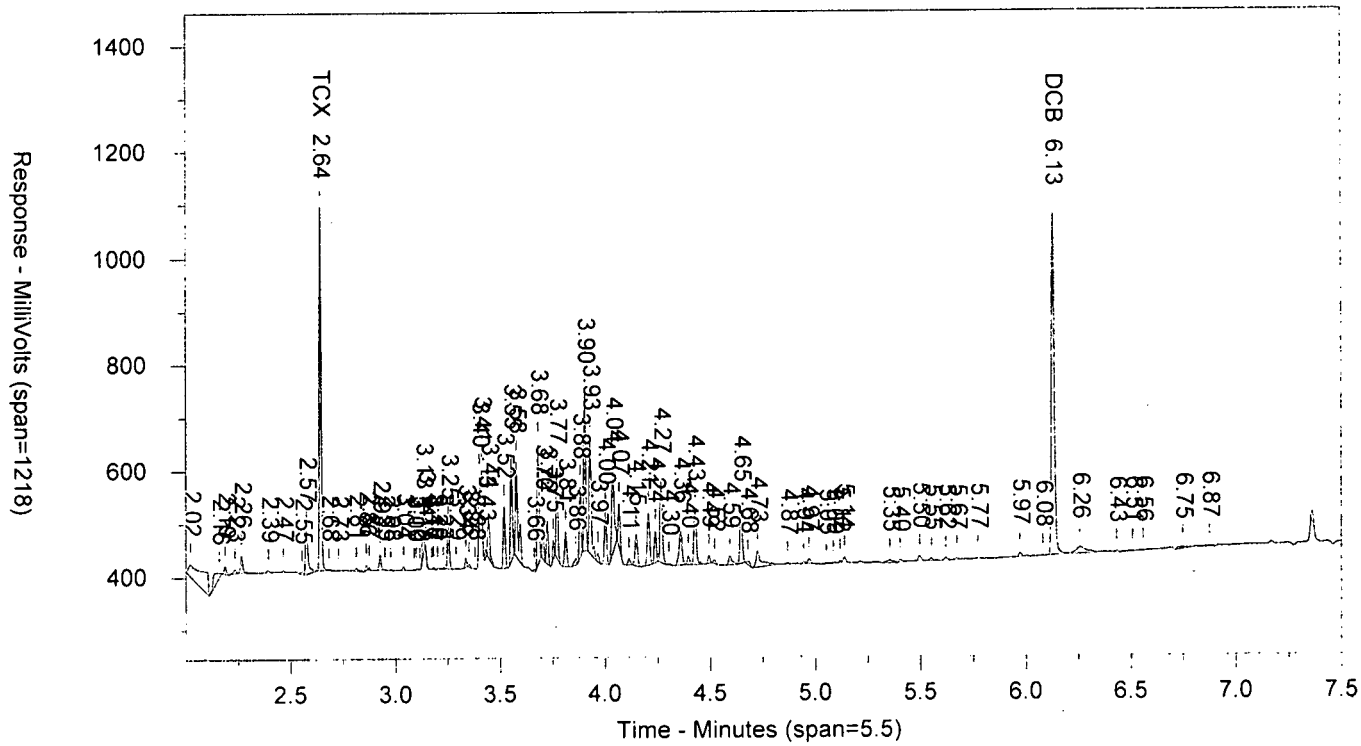

AR4821724C AAAR482AA ICAL 1725699999 10736 SW-846 8082

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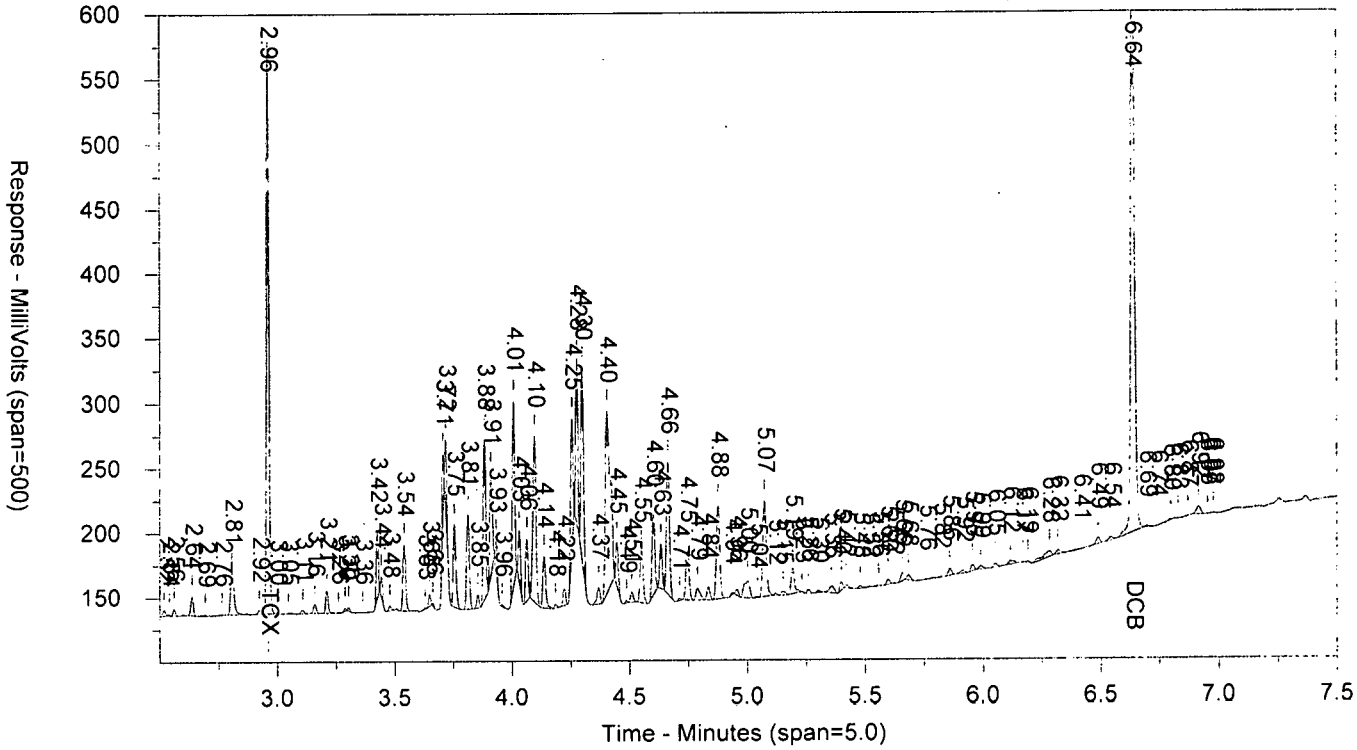

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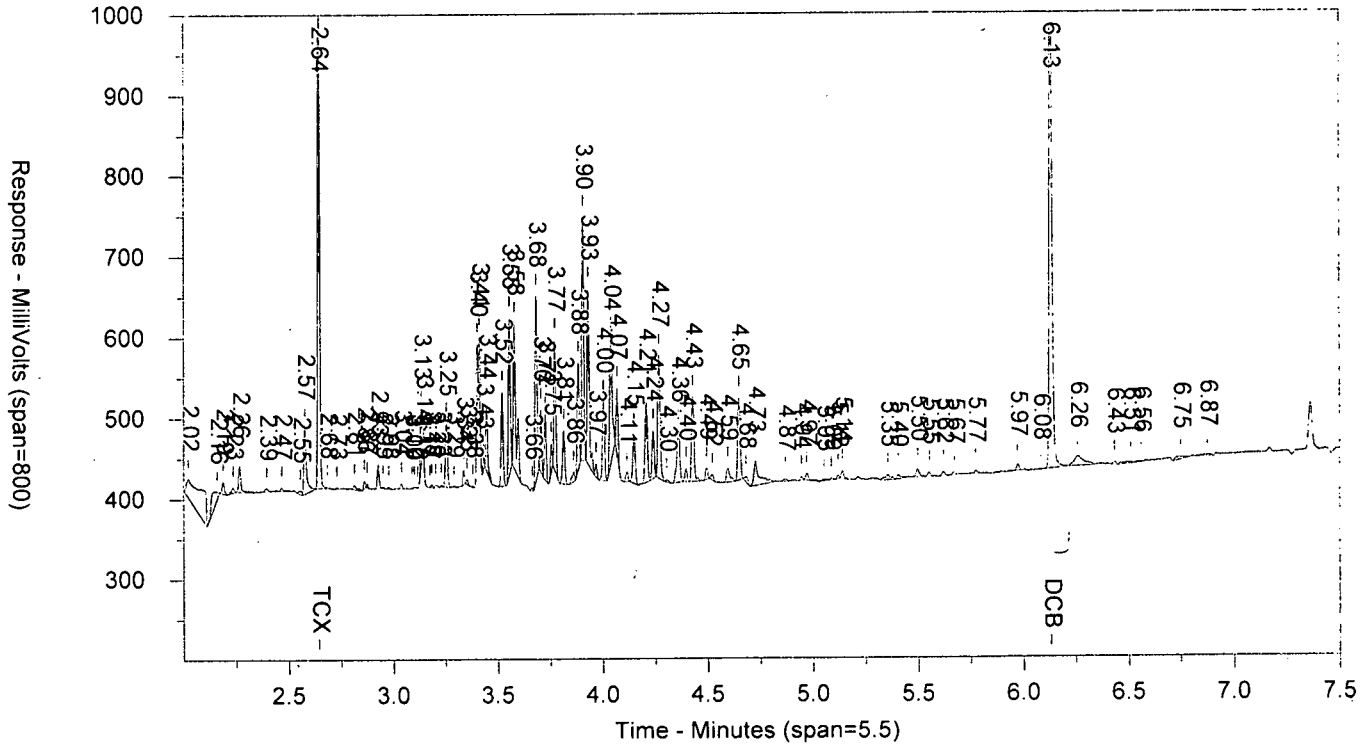

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:27:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6034	8001
2.109		6252	16641
2.259		11322	8060
2.358		12365	11162
2.396		1710	1897
2.516		4399	5505
2.56		310	213
2.592		763	541
2.684		364	435
2.744		332	240
2.778		263	364
2.805		18535	20122
2.922		2714	2527
2.959	TCX	2177983	1482210
3.06		856	1091
3.104		5589	4925
3.156		30718	23043
3.208		35646	25478
3.286		5375	3017
3.302		5323	2969
3.398		381	304
3.424		104043	64186
3.441		31927	15558
3.478		8181	5220
3.505		1711	986
3.539		101749	78860
3.578		351	216
3.596		1598	755
3.614		1053	564
3.63		626	290
3.649		20051	11370
3.663		4890	2351
3.706		81001	50417
3.717		91910	44230
3.754		122011	99481
3.812		142649	111836
3.855		19084	13958
3.882		224628	171616
3.91		138543	113009
3.932		42855	23108
4.006		255681	198761
4.03		76690	50026
4.062		92514	68159
4.095		226036	216875
4.135		79029	64722
4.182		8669	7396
4.222		25035	19900
4.255		176309	119489
4.275		222077	142828
4.298		266678	207532
4.369		25331	23260
4.404		252567	385208
4.446		57671	41465
4.486		3572	2400

RT A	Compound A	Height A	Area A
4.509		14548	11474
4.551		79244	75916
4.601		117143	102572
4.633		61467	48877
4.663		191359	175768
4.712		3246	2413
4.746		75914	73461
4.789		17706	21986
4.835		18951	17846
4.876		135759	137619
4.911		2580	1666
4.957		11758	17199
4.989		7039	5768
5.002		5781	4148
5.038		2387	1862
5.074		138805	145571
5.122		3201	2484
5.153		6460	8012
5.193		38955	38866
5.232		1773	1161
5.259		5517	4967
5.302		2934	2750
5.358		3288	4356
5.398		11881	9683
5.422		5031	3417
5.478		2909	2673
5.517		1387	1588
5.555		4539	4294
5.597		7224	6782
5.62		754	512
5.657		12356	10276
5.68		7533	6685
5.737		428	279
5.763		536	488
5.783		341	108
5.86		10845	10434
5.914		4257	6495
5.955		3355	3483
5.991		2689	3288
6.051		13613	13123
6.115		12417	17171
6.192		967	1242
6.234		615	925
6.249		639	213
6.284		6102	7692
6.317		3012	3926
6.412		499	1061
6.46		606	591
6.487		21244	22926
6.54		2141	2832
6.636	DCB	2012587	2214338
6.802		807	1131
6.852		757	434
6.913		6038	9699
6.982		902	647

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:27:31 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.018		10867	21214
2.082		7349	5649
2.139		1150	1299
2.231		1675	3482
2.26		3289	4463
2.548		10528	7677
2.574		44916	45884
2.642	TCX	3412453	1973225
2.812		10511	10365
2.859		48858	37179
2.925		61875	37593
2.974		9100	6475
3.036		12583	8061
3.068		720	145
3.077		782	89
3.086		579	149
3.094		605	120
3.114		243	42
3.131		143113	72621
3.141		18489	6513
3.182		14091	8362
3.202		3744	2404
3.231		5475	2947
3.253		151784	104002
3.291		3142	1958
3.317		2609	1169
3.335		35203	18334
3.351		12678	6176
3.401		148344	66956
3.411		154241	64028
3.431		31950	12461
3.445		144736	90229
3.519		221303	142745
3.554		366805	230271
3.577		351494	286614
3.681		444140	294628
3.704		144810	78500
3.724		147070	89557
3.754		69714	33697
3.771		301087	194292
3.812		126074	91544
3.86		22352	19207
3.882		229648	147822
3.905		536171	358097
3.93		380315	286843
3.967		33016	18103
4.003		175861	132156
4.038		281516	243200
4.068		141480	89090
4.114		23432	16712
4.148		111768	91608
4.205		183436	146492
4.239		105023	70345
4.266		269695	220304

RT B	Compound B	Height B	Area B
4.36		121418	122081
4.396		27546	21273
4.429		183313	167360
4.494		24778	17386
4.521		13905	10846
4.594		31886	35164
4.648		182629	157812
4.688		9270	9975
4.725		47190	43336
4.793		3588	2733
4.873		2616	2458
4.916		2199	1611
4.945		7678	6185
4.972		18322	14764
5.016		3210	2769
5.054		2747	2744
5.089		6298	5722
5.118		6342	4320
5.139		15968	13589
5.212		11982	19130
5.353		8185	10034
5.398		10056	11207
5.497		7185	8245
5.552		21089	20972
5.62		19045	18643
5.671		8821	11556
5.776		9208	8350
5.91		1479	3049
5.973		32561	35606
6.13	DCB	2980604	2705434
6.257		10140	27940
6.58		3563	3722
6.698		2059	3352
6.889		1324	5575

AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082

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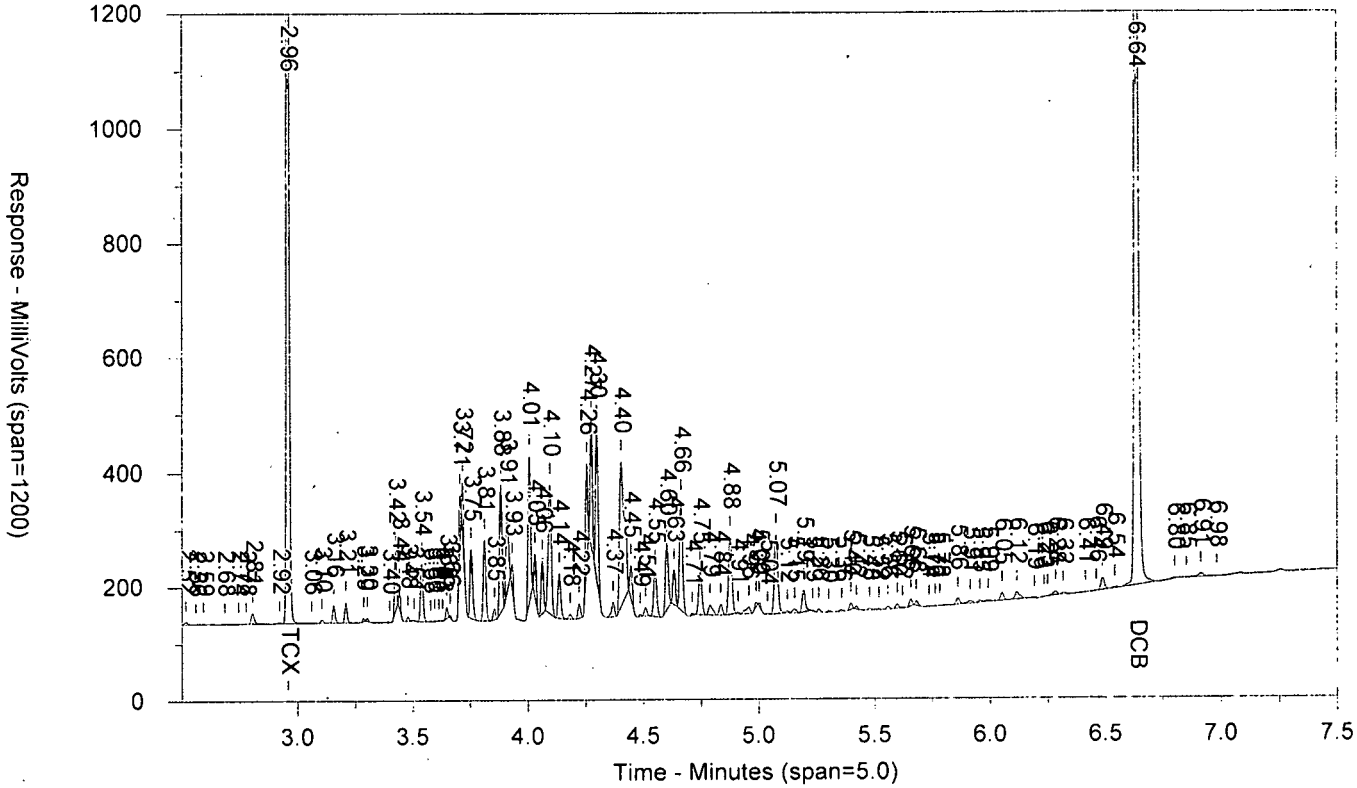

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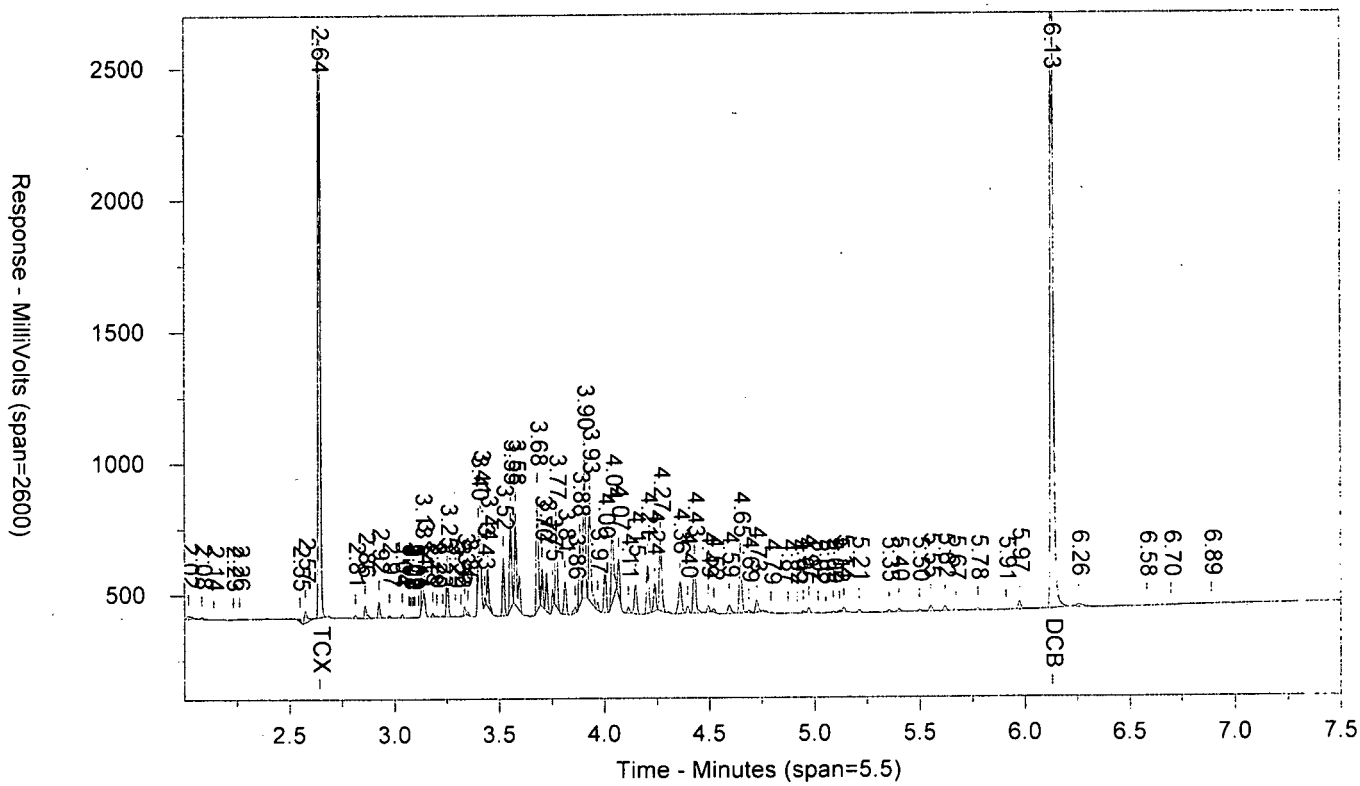

LANCASTER LABORATORIES

Sample Number: AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:27:31 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2177983	19.161	TCX	2.642	3412453	19.091	TCX
6.636	2012587	18.9	DCB	6.13	2980604	19.74	DCB

Files:
Area File: 25pcbs17257002.015.RAW
Area File: 25pcbs17257002B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:36:01 PM
File Reported On: 9/14/2017 at 6:36:17 PM

AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082

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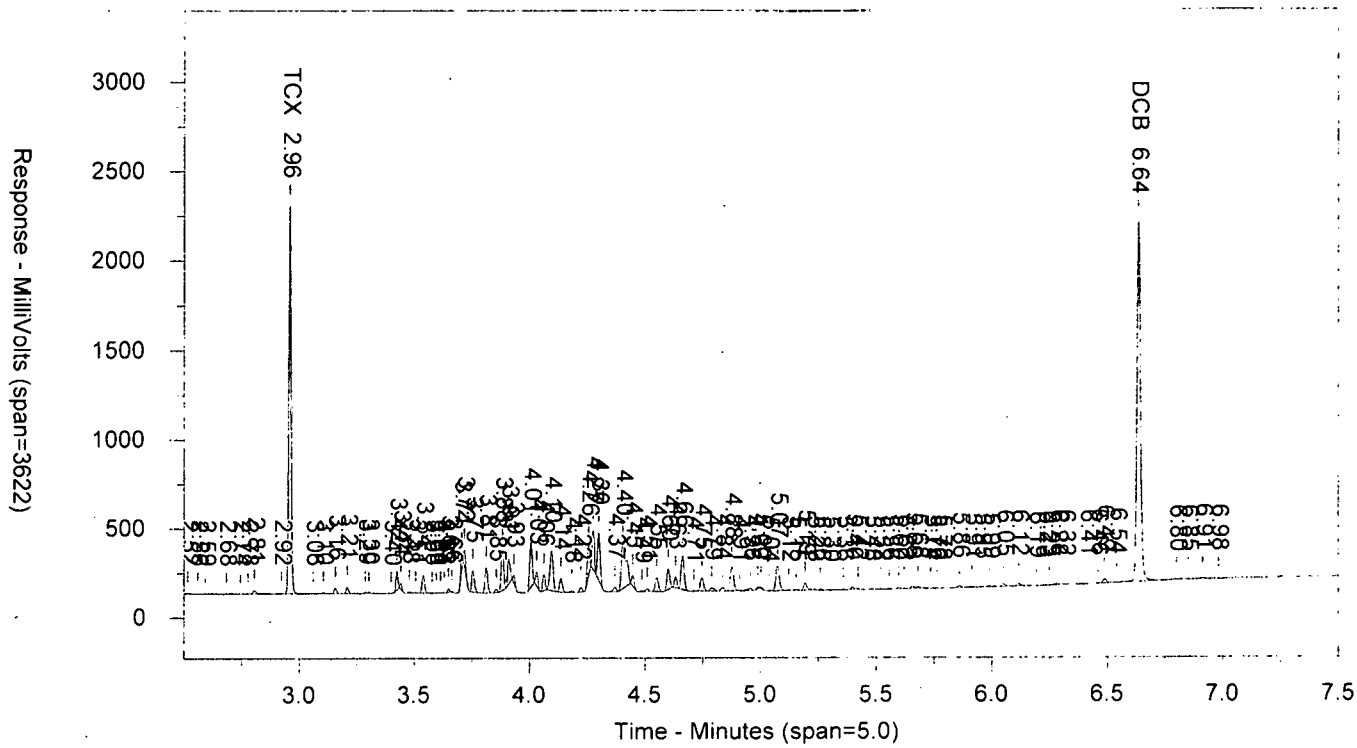

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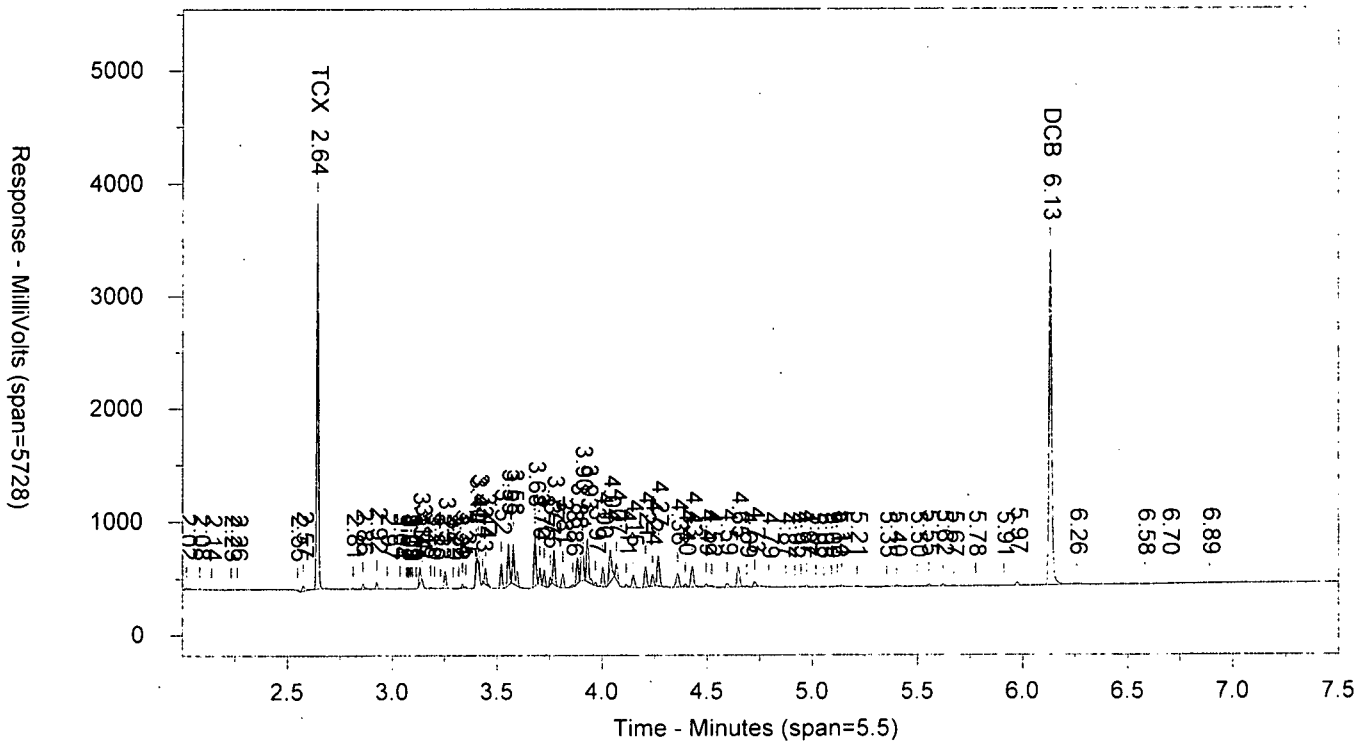

AR4831724C AAAR483AA ICAL 1725699999 10736 SW-846 8082

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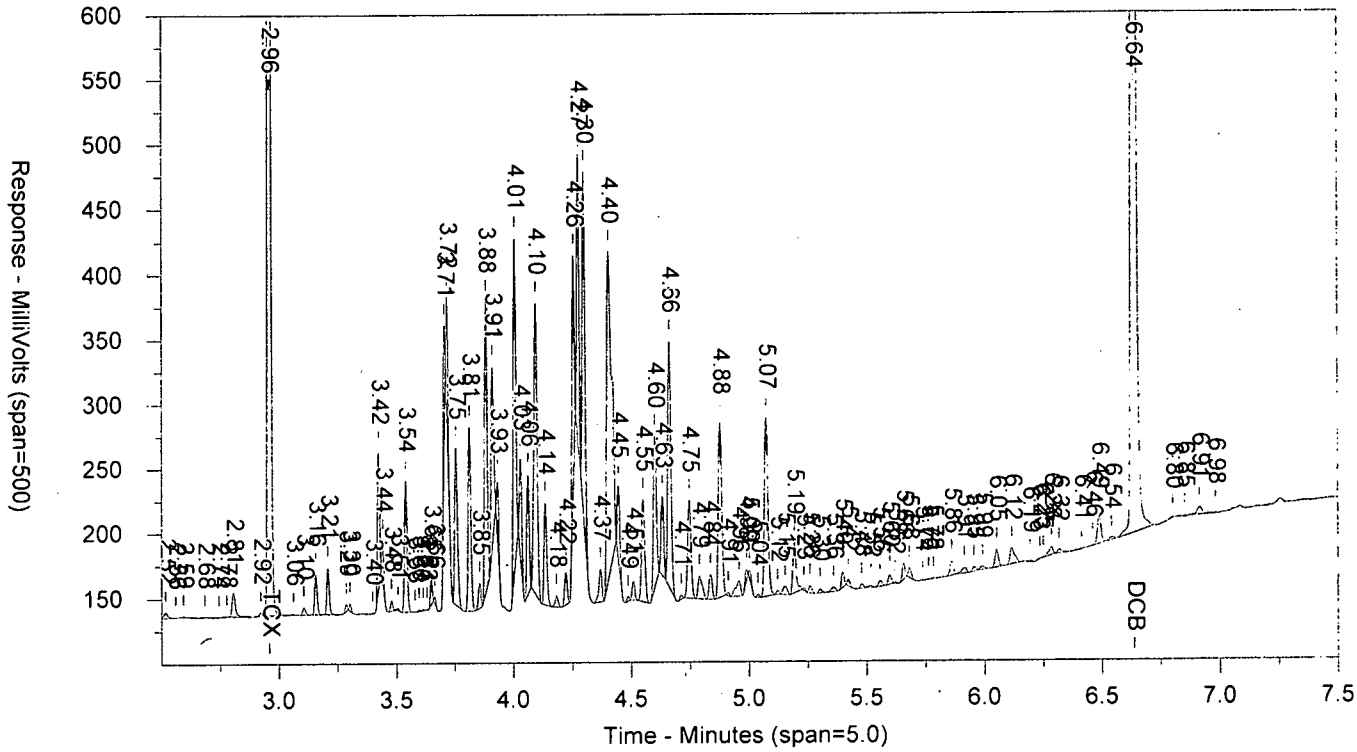

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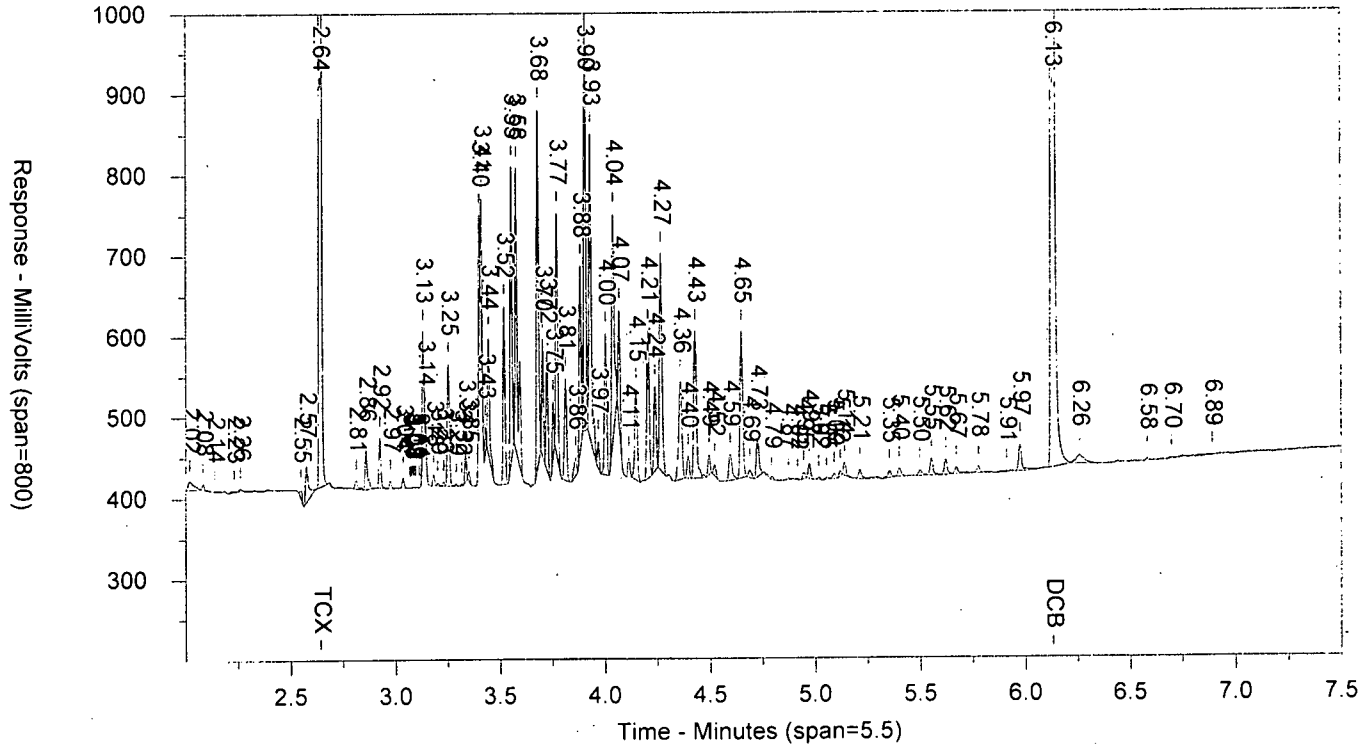

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:38:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.077		27106	27483
2.11		4871	11384
2.233		2159	1380
2.26		21837	14888
2.359		12320	13410
2.397		1752	2122
2.46		587	597
2.517		7104	8497
2.574		578	515
2.597		1337	769
2.682		6445	4582
2.766		922	733
2.807		13205	12977
2.922		4346	3947
2.96	TCX	4596381	3148696
3.054		852	1040
3.106		10767	9784
3.157		62809	47111
3.21		70622	49570
3.287		11064	6162
3.304		12825	7647
3.387		591	454
3.425		191927	121561
3.442		58133	29670
3.48		15934	10266
3.507		3396	1925
3.541		195158	153191
3.6		1682	1057
3.617		2285	1225
3.632		1079	371
3.651		38760	22619
3.666		10338	4722
3.709		173978	90001
3.72		193172	96160
3.757		242432	194486
3.815		281361	222191
3.857		39167	27833
3.884		456169	341373
3.912		275375	220914
3.934		87733	47908
4.008		523060	393187
4.033		143143	94746
4.064		184220	136618
4.097		461460	435033
4.138		152828	128341
4.184		17420	15754
4.224		54538	41152
4.257		367317	254625
4.277		469065	300578
4.301		529509	417115
4.371		50962	48351
4.406		374956	317959
4.424		99372	55526
4.448		120095	85873

RT A	Compound A	Height A	Area A
4.49		7504	5037
4.512		30849	25660
4.553		163078	147506
4.603		231320	205368
4.635		135211	102997
4.665		388674	349076
4.714		6705	4722
4.748		152843	146491
4.791		37609	45925
4.838		40959	37693
4.878		275342	267099
4.913		6928	4855
4.958		24020	31851
4.99		15123	10725
5.003		14468	10087
5.041		3791	2902
5.075		280276	295976
5.124		5526	3837
5.153		12884	14670
5.194		73826	68019
5.216		3042	1293
5.235		4541	2656
5.26		12324	10519
5.303		5933	5793
5.359		6727	9956
5.399		25581	20682
5.422		9637	6906
5.479		5503	5009
5.517		3158	3365
5.558		10257	10111
5.597		14771	13509
5.621		1970	1342
5.657		23894	19978
5.682		14191	12580
5.761		10060	11394
5.815		511	272
5.862		22189	20746
5.917		8408	12737
5.96		1174	1210
5.991		4153	4963
6.052		30396	28569
6.116		28935	41319
6.286		12603	15267
6.32		1058	791
6.389		636	674
6.398		549	171
6.422		1737	1482
6.46		973	863
6.49		45456	48530
6.545		3400	3309
6.604		6309	6854
6.64	DCB	4197543	4336797
6.742		847	583
6.801		8314	15002
6.881		987	2011
6.921		5565	7783
6.972		628	260
6.985		981	419

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:38:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		10310	20982
2.083		14545	9935
2.236		2630	7080
2.263		3385	6059
2.392		11795	7755
2.457		2023	2672
2.506		3401	7955
2.559		3219	3752
2.575		27196	22012
2.643	TCX	7249477	4191587
2.686		6358	3421
2.813		20857	19494
2.86		97312	71757
2.926		113667	71505
2.976		18751	12231
3.037		27090	16876
3.068		579	155
3.077		777	204
3.083		610	130
3.132		266555	134160
3.143		49170	16825
3.183		27676	15973
3.205		7544	4426
3.231		11238	5727
3.254		286761	196357
3.291		5802	3332
3.319		3293	1540
3.337		67825	36393
3.353		23931	11240
3.378		1765	946
3.403		276904	120987
3.412		311561	132857
3.432		59902	24972
3.446		281332	176319
3.521		430084	276662
3.555		721796	445835
3.579		640455	361929
3.597		215231	113604
3.683		905678	1071532
3.756		127410	65301
3.773		624257	381572
3.814		241199	178665
3.862		48750	41389
3.883		495786	308321
3.906		1115190	741139
3.931		836184	590264
4.004		352563	258677
4.04		577928	479348
4.068		310852	187914
4.115		49519	33909
4.15		222787	175966
4.185		3053	1973
4.207		362828	283345
4.24		221445	156292

RT B	Compound B	Height B	Area B
4.267		564073	431081
4.306		12215	11235
4.361		241192	238633
4.397		61349	46066
4.429		378699	308945
4.471		18883	12118
4.496		55378	37414
4.522		32562	22742
4.596		65592	67813
4.648		373949	309647
4.687		17019	14304
4.727		105307	128947
4.796		8154	5861
4.872		4342	4264
4.914		4987	3217
4.947		16838	13374
4.972		35361	27667
5.019		7403	6706
5.057		4669	4175
5.092		13270	11077
5.119		13541	8957
5.139		32738	26608
5.213		21909	19898
5.269		3565	7346
5.354		11981	8673
5.374		7091	4032
5.4		27952	25578
5.497		4035	7409
5.552		42760	44388
5.621		38478	34522
5.67		17876	16713
5.718		2586	2825
5.775		16830	18067
5.851		5199	8989
5.924		2687	3448
5.973		60069	50469
6.001		9303	7526
6.132	DCB	5848330	5414110
6.261		10413	27243
6.365		6552	8356
6.467		2310	5613
6.514		2627	3482
6.583		7121	12475
6.757		2351	9225
6.829		4641	6388
6.881		2067	4928

AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082

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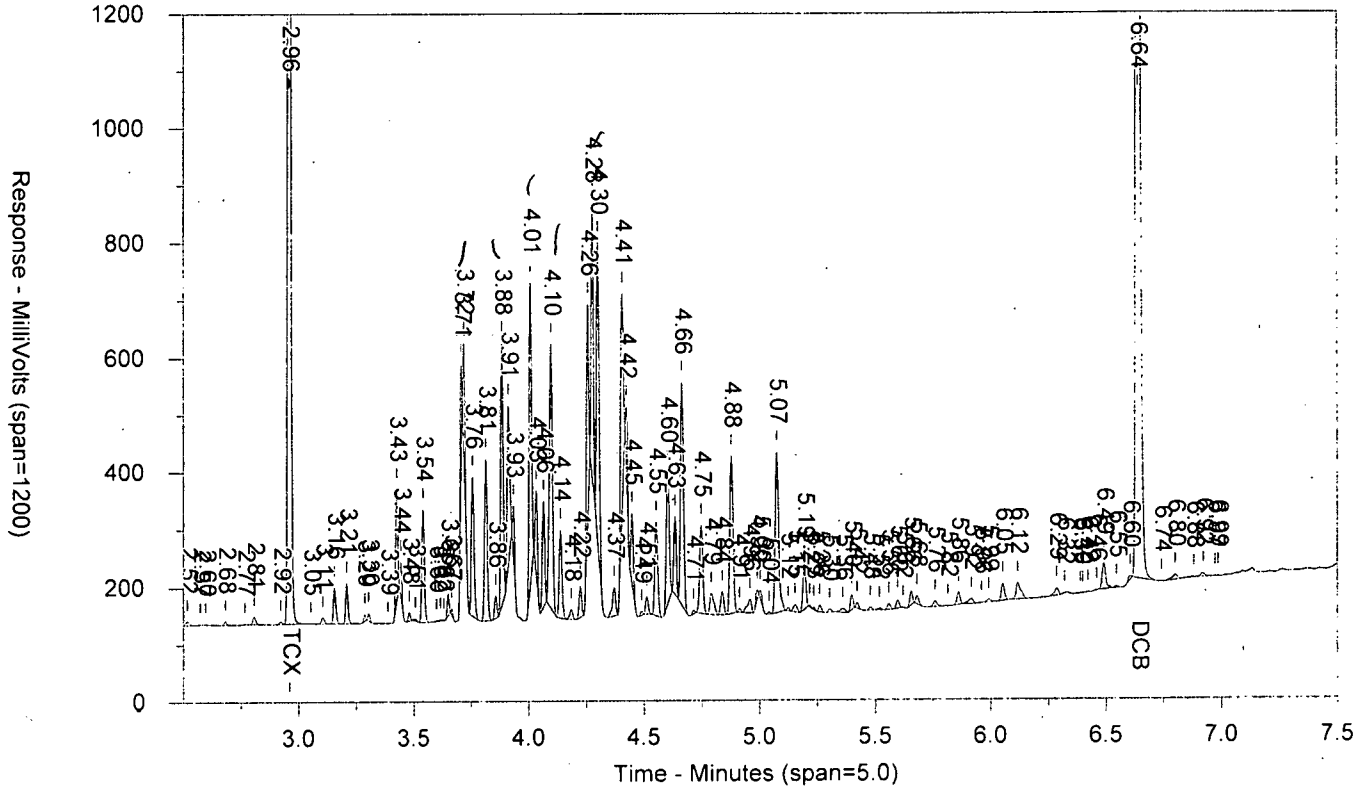

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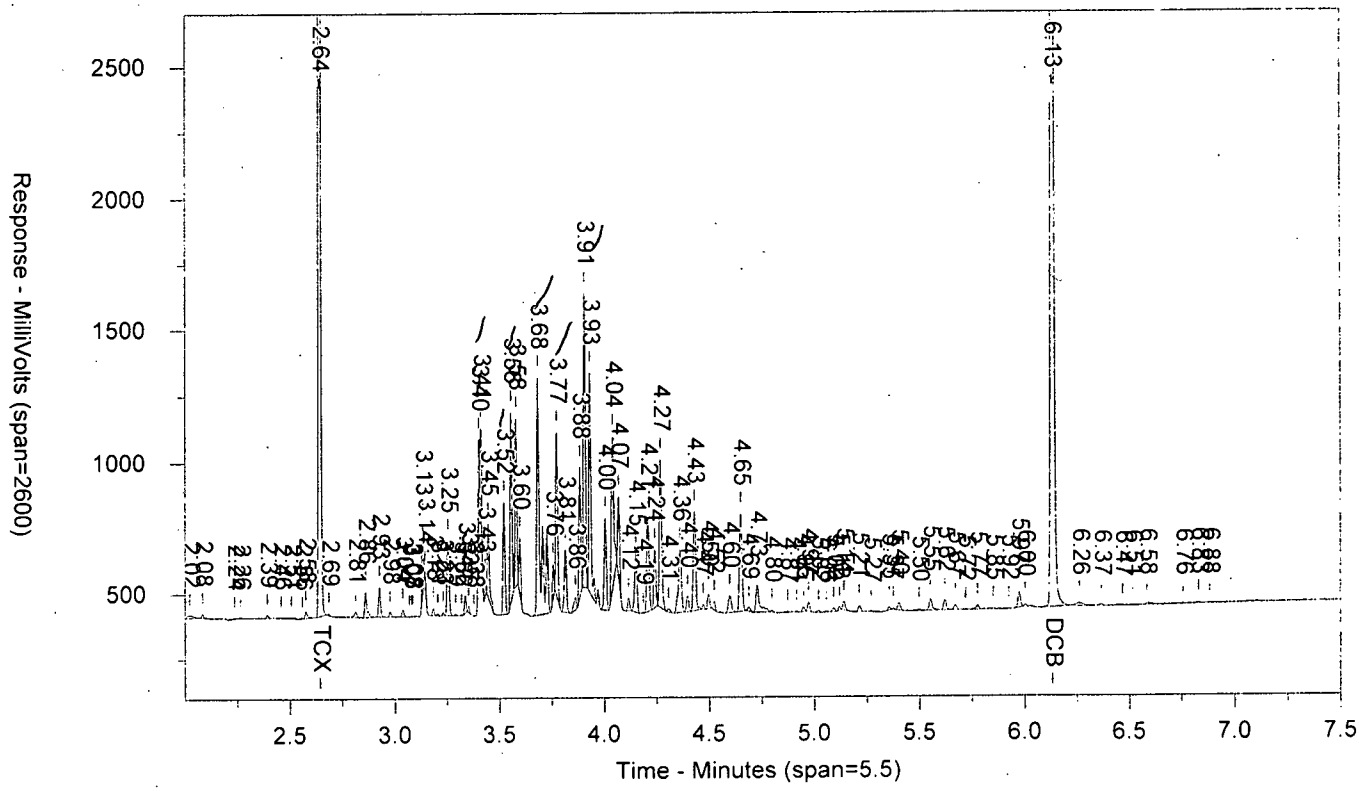

LANCASTER LABORATORIES

Sample Number: AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:38:49 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4596381	40.437	TCX	2.643	7249477	40.557	TCX
6.64	4197543	39.418	DCB	6.132	5848330	38.731	DCB

Files:
Area File: 25pcbs17257002.016.RAW
Area File: 25pcbs17257002B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:47:20 PM
File Reported On: 9/14/2017 at 6:47:37 PM

AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082

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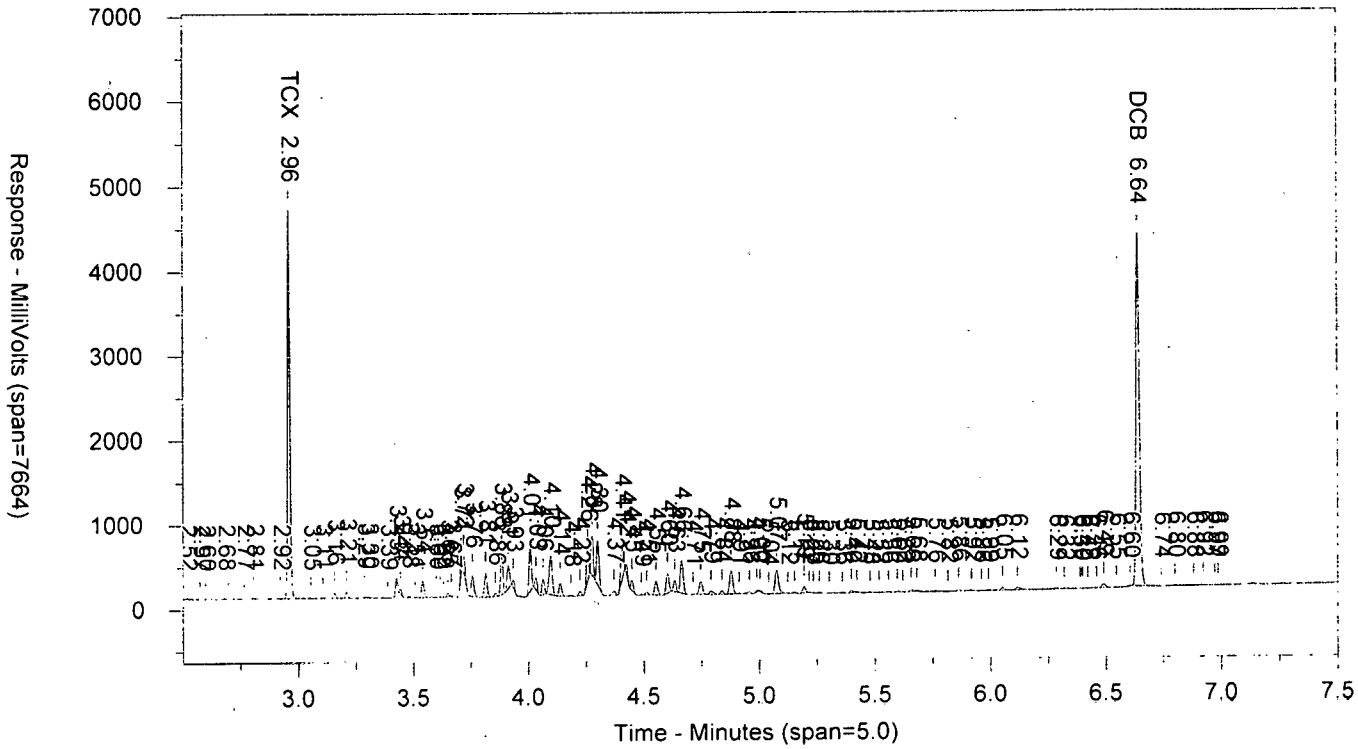

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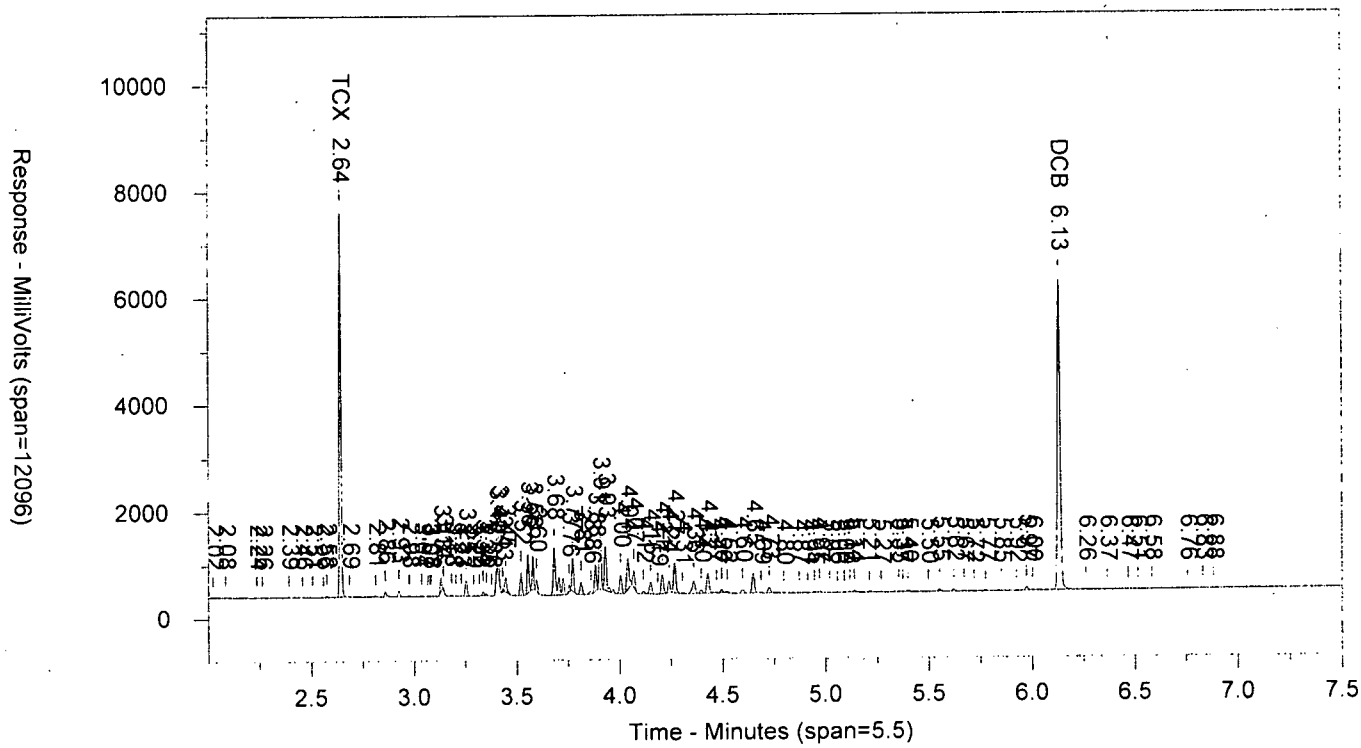

AR4841724C AAAR484AA ICAL 1725699999 10736 SW-846 8082

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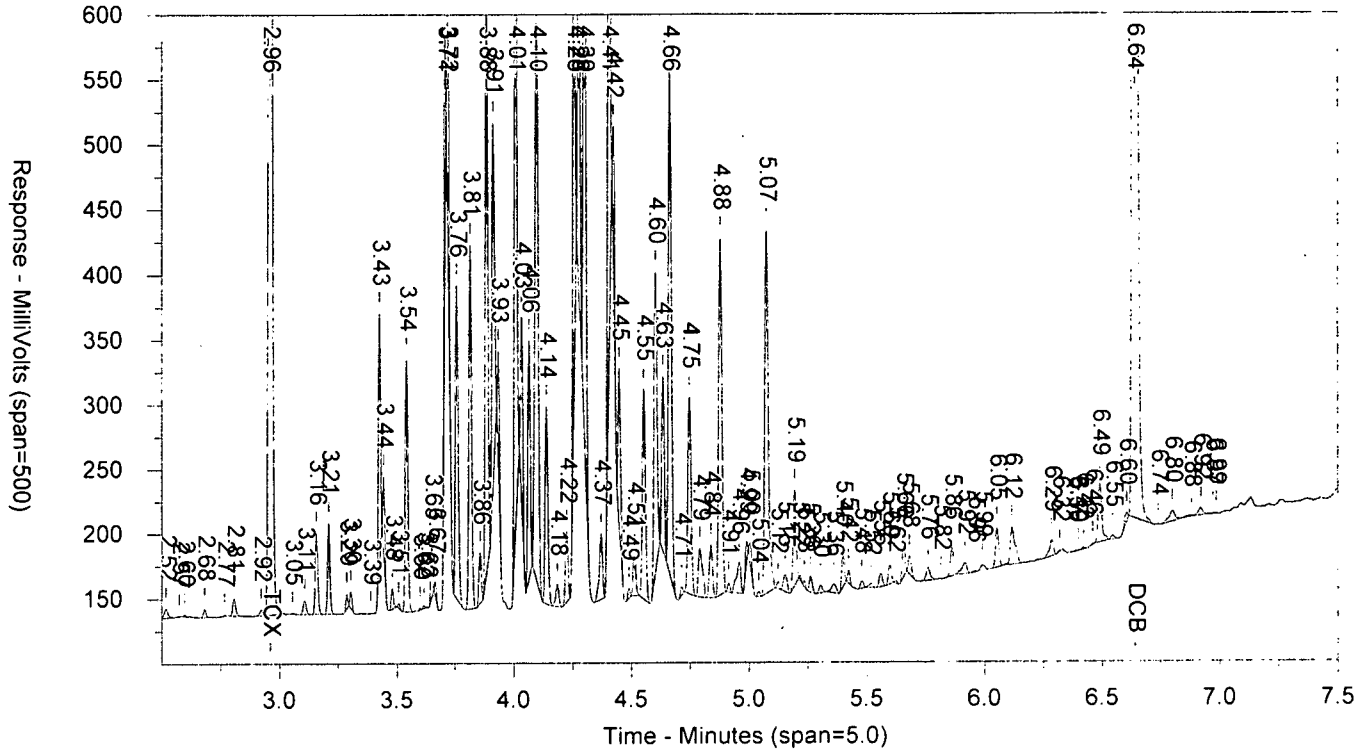

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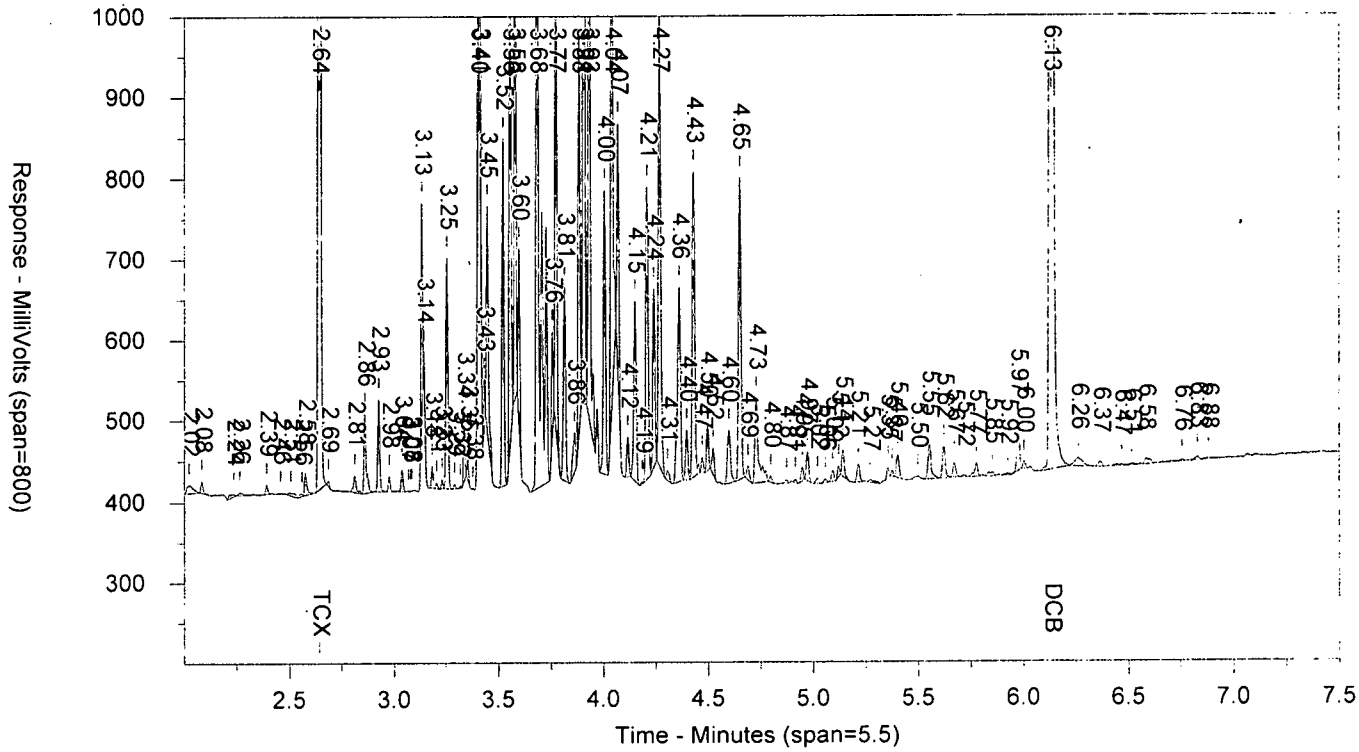

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:49:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.017.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.027		363	461
2.063		6308	8063
2.109		7772	20969
2.259		31639	22884
2.366		13687	15482
2.394		1655	2019
2.516		5094	6468
2.595		3166	2972
2.686		893	1801
2.805		34224	36828
2.869		689	527
2.922		2919	2738
2.959	TCX	6969953	4736505
3.057		1363	1342
3.105		25325	23038
3.156		97191	78347
3.208		160391	116529
3.286		12619	6238
3.302		28120	16829
3.344		503	770
3.423		442826	274095
3.441		122428	64017
3.478		35658	21560
3.493		2329	721
3.505		8421	4481
3.539		449306	354591
3.577		1699	959
3.596		3250	1775
3.614		9007	6005
3.648		96753	57630
3.663		25516	12425
3.707		408565	222802
3.717		513974	239364
3.754		578637	465372
3.813		684586	540595
3.854		93949	68746
3.883		1122783	815155
3.909		682172	529365
3.932		210784	114686
4.006		1298046	969975
4.03		329663	225366
4.062		438528	320985
4.095		1144780	1075252
4.136		372856	313429
4.182		45036	39178
4.222		128971	103140
4.255		896934	607395
4.275		1200913	778923
4.298		1437469	1070940
4.369		123078	118279
4.404		951968	781025
4.423		264892	149507
4.446		278652	201619
4.487		18904	12343

RT A	Compound A	Height A	Area A
4.509		78262	58962
4.55		380890	354751
4.601		567550	495557
4.633		308521	234618
4.663		946198	855342
4.712		15589	11747
4.745		352912	352683
4.789		88075	112798
4.835		101582	93357
4.876		646374	646105
4.911		13163	8842
4.955		66711	83144
4.989		41080	32144
5.001		23988	15682
5.039		8288	6357
5.073		679718	703199
5.122		16284	12327
5.151		25958	33226
5.193		179198	192082
5.232		10625	6266
5.259		27573	24573
5.302		13816	13213
5.334		1193	771
5.361		2488	2768
5.397		60940	50341
5.421		23647	16805
5.478		13392	11932
5.515		7505	8041
5.556		21172	20515
5.596		35654	31604
5.621		4672	3093
5.656		59505	53345
5.68		20761	15787
5.76		1206	1094
5.86		52679	49980
5.916		19881	28716
5.955		32051	39199
6.05		51569	51139
6.115		51293	75741
6.17		699	409
6.192		1974	1814
6.239		999	2156
6.285		28722	28824
6.318		3284	4368
6.379		596	297
6.418		1215	1139
6.462		732	792
6.488		71090	76225
6.545		2327	3164
6.637	DCB	6253009	6432352
6.765		623	564
6.817		624	2015
6.828		610	161
6.866		632	375
6.915		5953	9605
6.983		679	520

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:49:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.017.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.024		12648	24857
2.083		21589	14518
2.174		2726	5143
2.217		2769	2527
2.265		3545	5375
2.327		4122	4144
2.391		2213	3611
2.553		8073	7366
2.574		85322	79112
2.642	TCX	11009210	6291310
2.685		17900	10757
2.812		49504	35794
2.859		140549	113566
2.925		252827	159605
2.975		28152	17302
3.036		58454	36768
3.08		923	298
3.091		371	98
3.099		633	169
3.131		611969	305412
3.142		83553	33081
3.183		66663	40778
3.204		19327	11015
3.23		25867	13986
3.253		669277	449776
3.29		17168	10001
3.317		6263	2839
3.336		157856	86548
3.351		55374	25887
3.401		717782	320665
3.411		809100	336117
3.431		128557	52232
3.445		701787	418498
3.519		1051816	666973
3.554		1778372	1071434
3.577		1684115	1331879
3.681		2255803	1423950
3.704		667659	360502
3.725		689953	413629
3.754		316998	153001
3.771		1564392	956487
3.813		579644	424925
3.86		115175	98899
3.882		1274104	767702
3.905		3032516	1939514
3.93		2260235	1526699
3.968		151183	86346
4.003		838809	619413
4.039		1513535	1221961
4.067		857984	509890
4.113		113466	81285
4.149		509060	412057
4.206		900535	696444
4.239		521992	368704

RT B	Compound B	Height B	Area B
4.266		1358257	1050599
4.303		26580	25396
4.36		556830	564137
4.395		139566	108824
4.427		903060	762388
4.47		12584	6677
4.493		117041	80991
4.521		71368	54469
4.595		151557	162984
4.647		906008	770065
4.687		45803	45714
4.725		244560	305201
4.795		17853	12688
4.873		4236	6115
4.893		4571	2756
4.912		9560	6969
4.946		38074	29053
4.971		83779	66436
5.019		19392	19545
5.057		8720	7259
5.091		27366	22787
5.119		30177	19614
5.139		74026	60032
5.212		41088	37817
5.33		2706	1405
5.353		36768	31609
5.399		58010	60915
5.498		49417	49518
5.552		69576	63460
5.62		68580	63201
5.67		34702	34413
5.774		36967	31433
5.929		2740	2394
5.971		98513	85403
6.005		3326	2322
6.131	DCB	8801193	7895086
6.257		8405	19006
6.533		1452	1629
6.582		8654	9969
6.754		2436	3787
6.845		1537	1995

AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082

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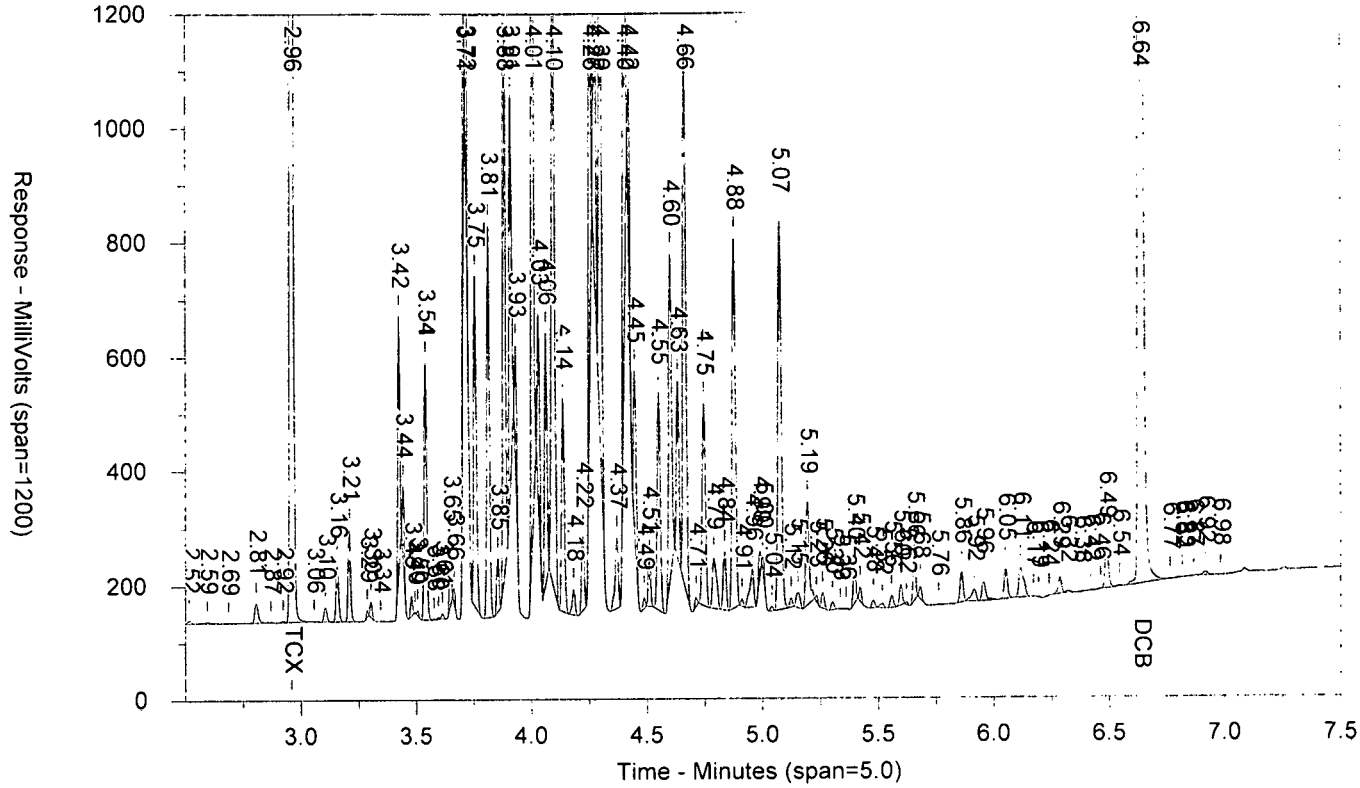

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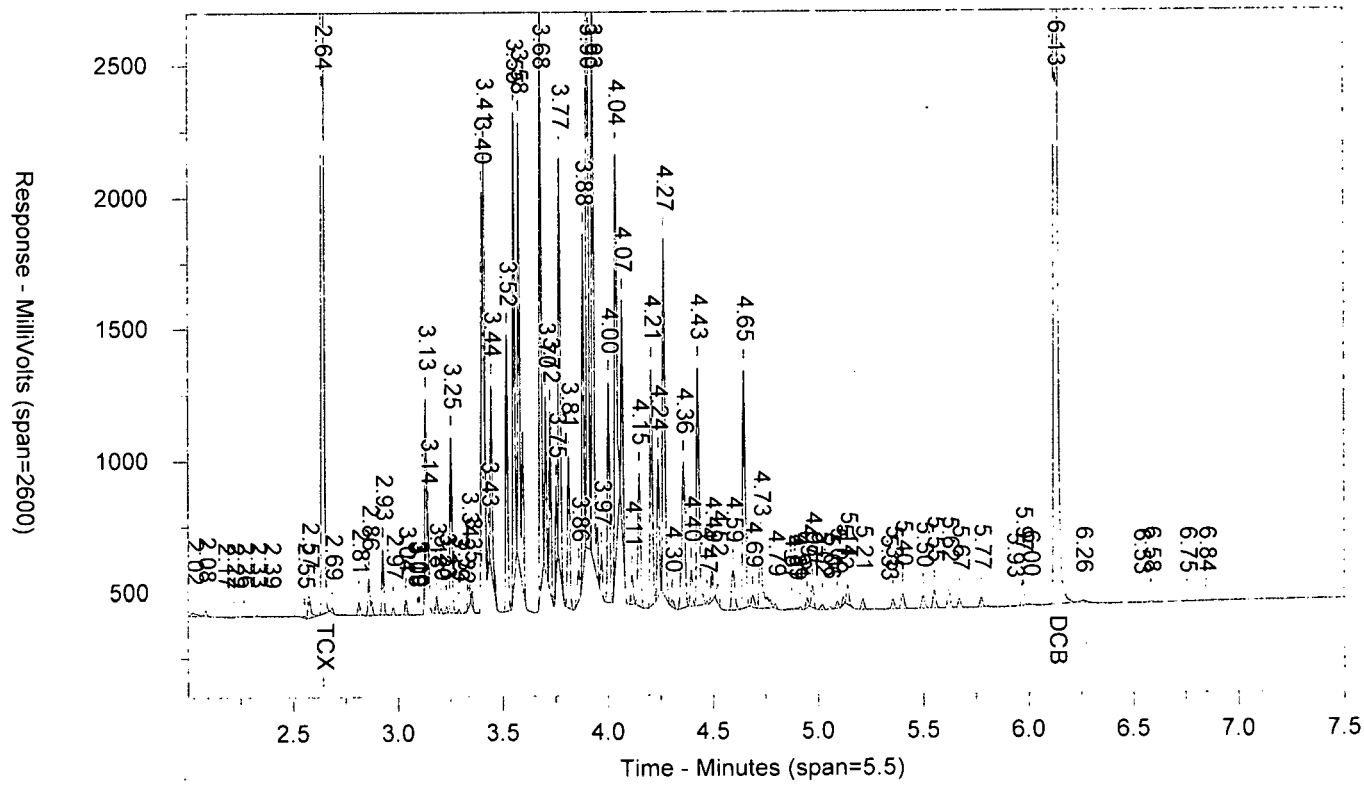

LANCASTER LABORATORIES

Sample Number: AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 6:49:53 PM
Sample Weight: 1
Instrument ID: CP25-18274
Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	6969953	61.318	TCX	2.642	11009210	61.591	TCX
6.637	6253009	58.721	DCB	6.131	8801193	58.287	DCB

Files:
Area File: 25pcbs17257002.017.RAW
Area File: 25pcbs17257002B.017.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 6:58:26 PM
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AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082

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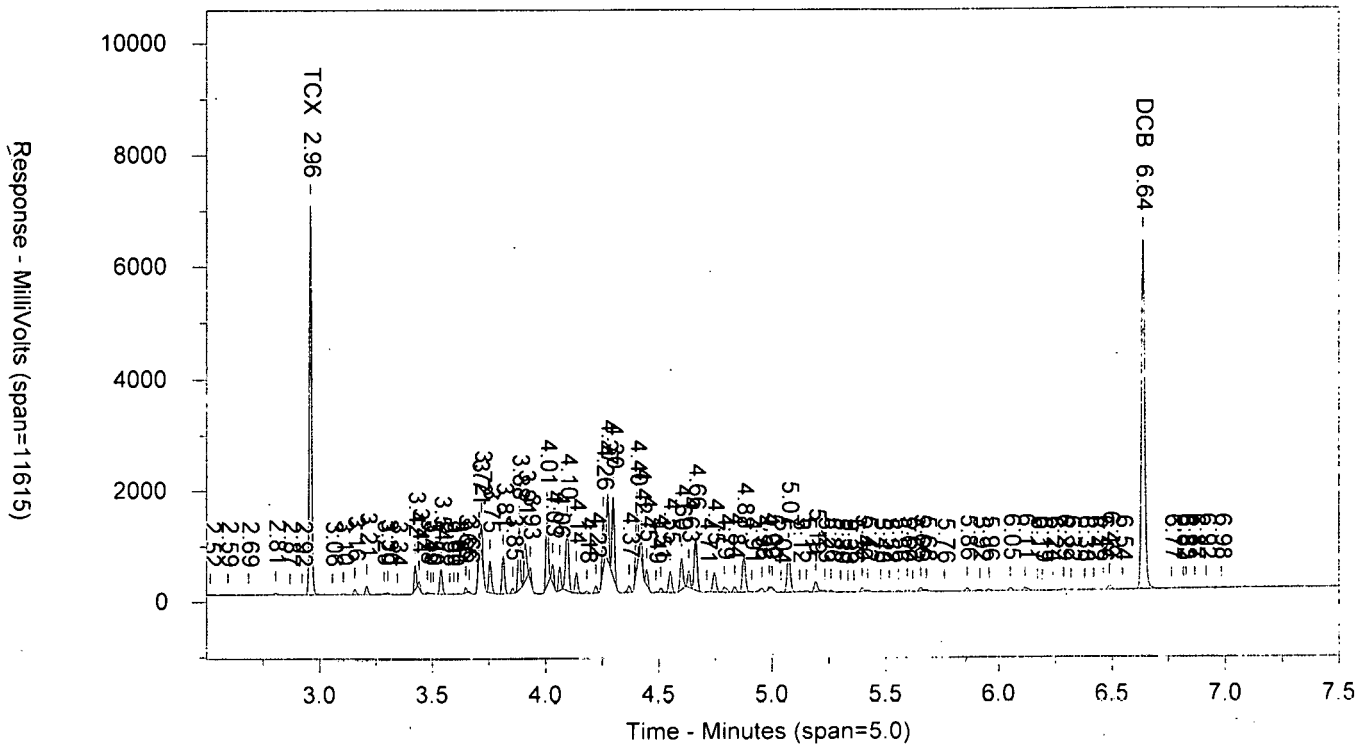

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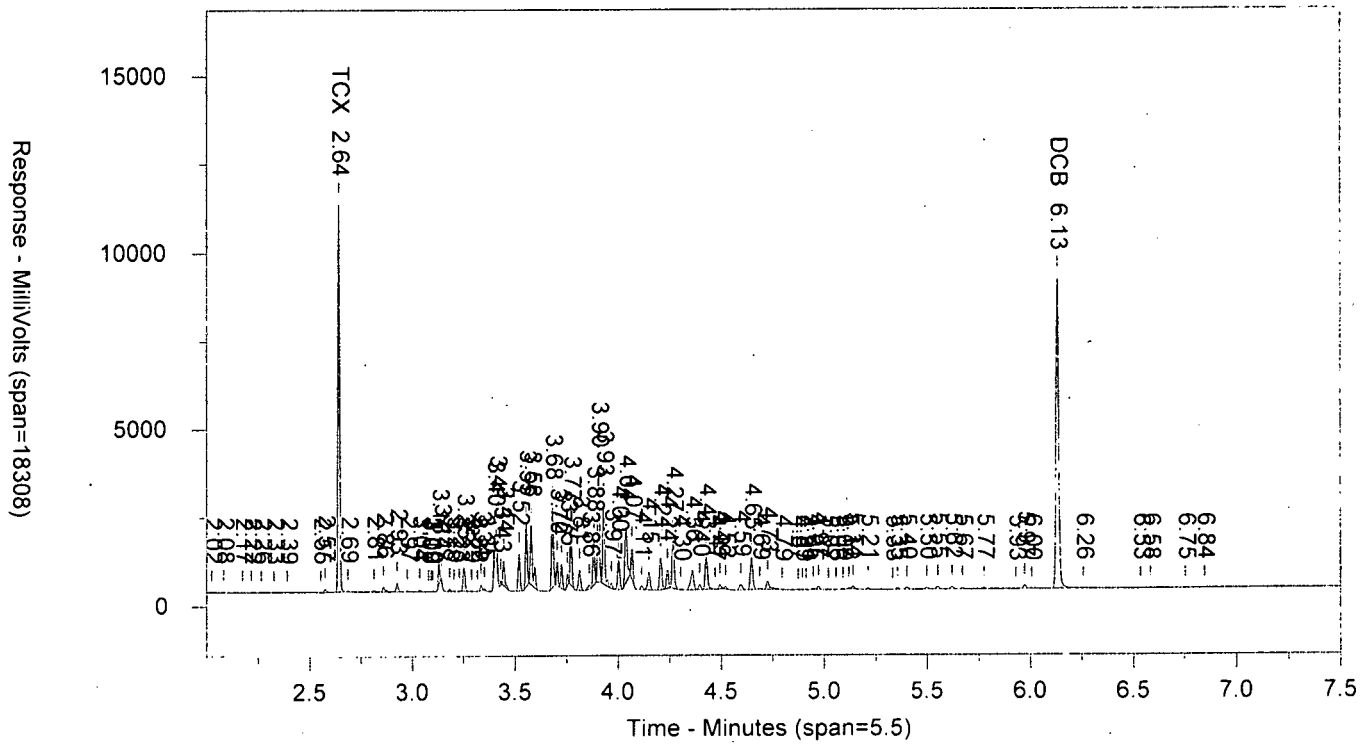

AR4851724C AAAR485AA ICAL 1725699999 10736 SW-846 8082

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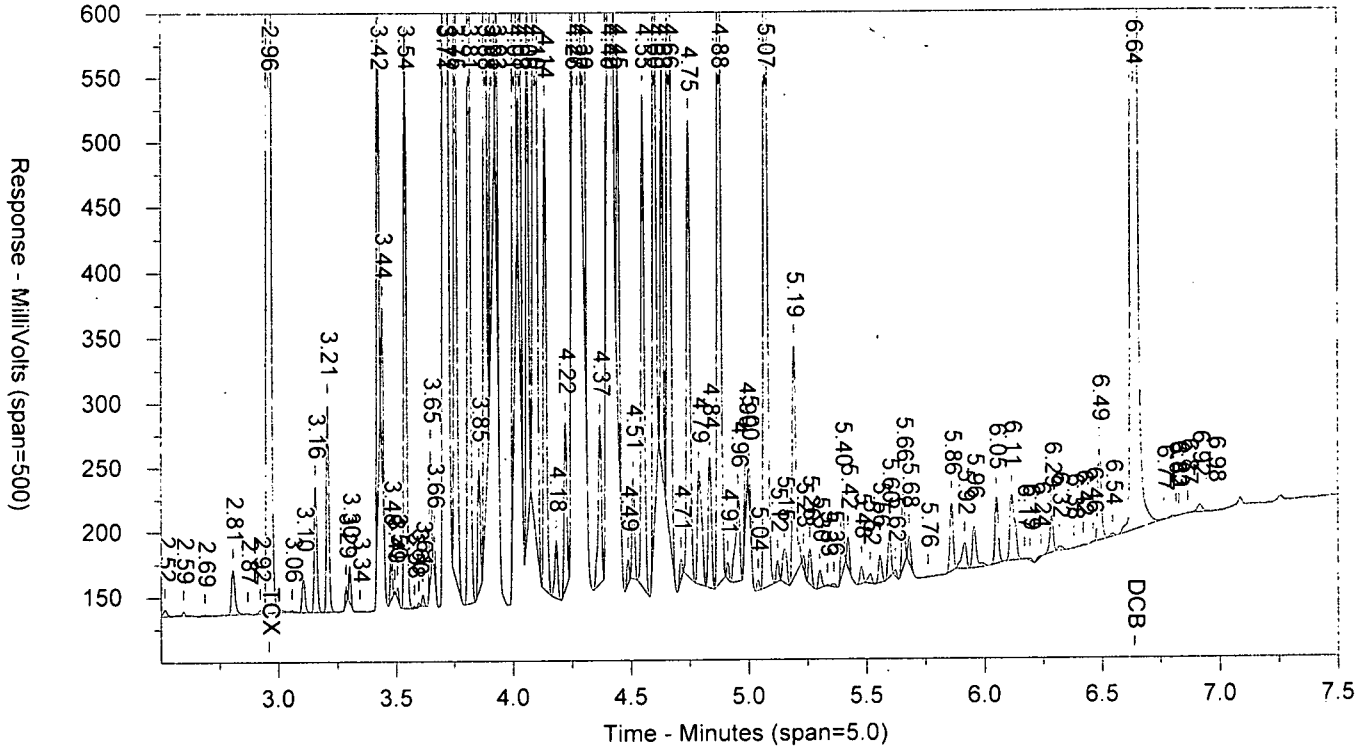

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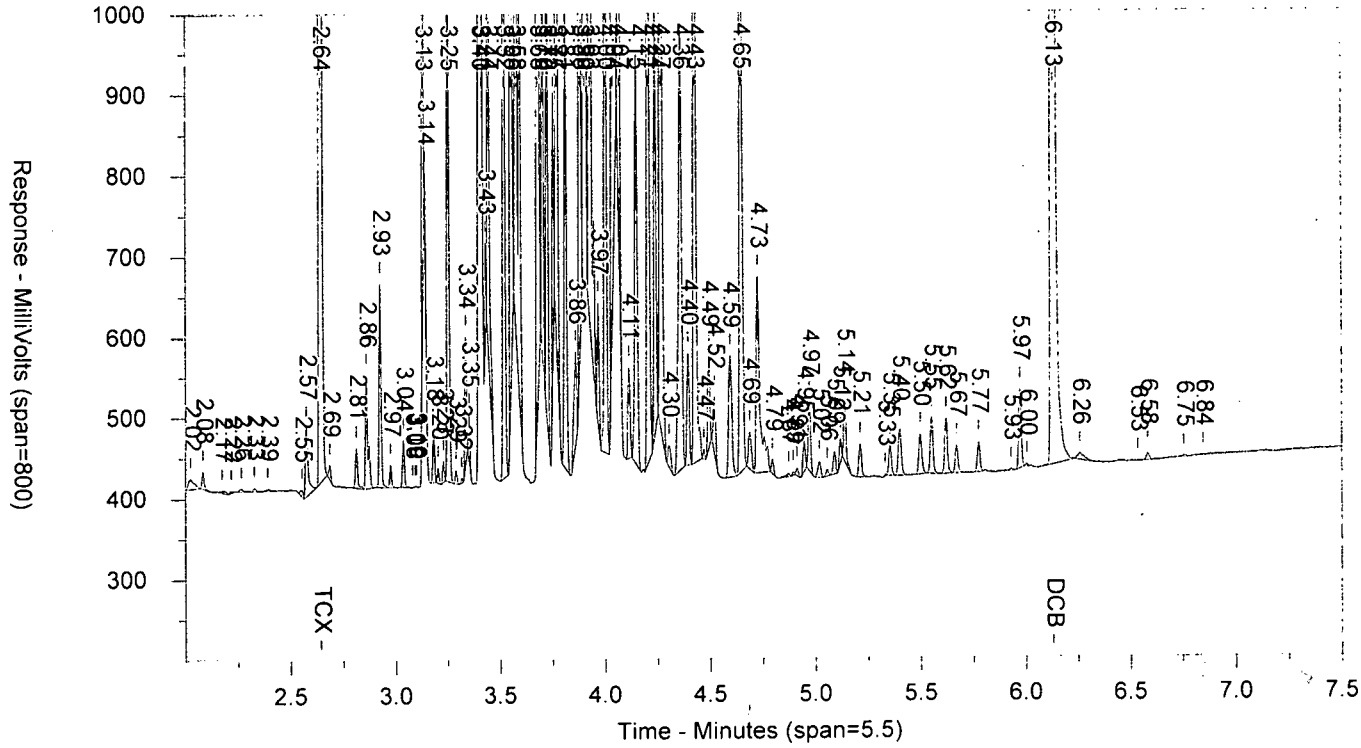

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:01:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.018.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.031		416	174
2.062		9692	11131
2.11		6891	18815
2.236		453	324
2.259		41055	29951
2.367		18255	20340
2.393		1211	1692
2.461		826	612
2.517		6520	7401
2.562		383	192
2.596		5740	4027
2.686		792	1180
2.765		396	264
2.806		29132	29952
2.871		1417	1077
2.922		4064	3557
2.96	TCX	9263867	6296196
3.055		1289	1013
3.106		48567	42506
3.157		132881	114339
3.209		297774	218826
3.269		497	196
3.287		14934	7416
3.303		57509	36084
3.344		1139	1049
3.424		855025	520376
3.441		234351	121802
3.479		71020	42743
3.494		3646	1178
3.506		16749	8267
3.54		847942	665441
3.577		2892	1545
3.596		4338	2305
3.615		17613	11329
3.65		170416	104016
3.665		47282	21568
3.708		813054	429413
3.718		949247	464119
3.756		1122857	870314
3.813		1333217	1024429
3.855		167750	124980
3.883		2146979	1550063
3.911		1298701	1010104
3.932		371311	194849
4.007		2455378	1840735
4.031		673656	425680
4.063		842053	595359
4.096		2297446	2038527
4.136		670913	577124
4.184		82648	74626
4.223		236134	186901
4.256		1727766	1167530
4.275		2524186	1561525
4.299		2755053	2077136

RT A	Compound A	Height A	Area A
4.37		222363	216043
4.404		1848762	1512228
4.423		562370	316691
4.447		549351	373430
4.488		36476	23565
4.51		136864	107859
4.551		689625	648657
4.602		1059773	925788
4.634		579539	429779
4.663		1834399	1621627
4.713		33641	22681
4.747		641369	650755
4.79		165015	207046
4.836		178595	172930
4.876		1294710	1224137
4.91		13400	8752
4.957		125972	162366
4.989		176136	301674
5.041		15089	11401
5.074		1384950	1362428
5.122		34772	25051
5.15		37993	51236
5.193		321787	355746
5.233		18632	11316
5.26		54844	48510
5.302		26042	25589
5.336		2654	1729
5.359		2170	2355
5.398		112337	94972
5.421		47057	34033
5.478		24306	22527
5.515		13127	14963
5.558		22358	21874
5.597		70026	64584
5.622		9321	6182
5.657		123341	108680
5.681		23171	16171
5.762		855	994
5.819		692	996
5.861		99830	96911
5.917		40461	59734
5.954		2372	2202
5.99		3379	3729
6.052		61249	61049
6.116		58932	91634
6.2		589	518
6.24		655	861
6.286		53934	55283
6.322		851	618
6.329		1419	921
6.368		502	133
6.396		529	607
6.42		1603	1656
6.462		933	755
6.489		97249	102656
6.543		2643	3282
6.639	DCB	8312485	8592547
6.772		424	231
6.804		1939	2041
6.826		479	150
6.866		868	886
6.918		5843	7498
6.954		894	345

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:01:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.018.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		11521	22510
2.083		28715	19576
2.187		4705	6532
2.215		3623	2393
2.268		3437	5983
2.327		9379	6929
2.39		3013	8477
2.557		6121	6097
2.574		68689	63770
2.642	TCX	14789970	8412105
2.686		38820	25295
2.812		92874	67398
2.859		147820	74328
2.873		60514	25919
2.925		467899	292987
2.975		35379	20462
3.036		110544	70027
3.061		908	255
3.081		366	130
3.094		670	253
3.109		624	91
3.131		1104482	575740
3.143		216710	76511
3.183		129224	76728
3.205		36279	20197
3.23		48536	26320
3.253		1247507	841399
3.29		29921	17743
3.318		9361	4302
3.336		294946	157061
3.352		102889	48605
3.38		2127	1061
3.402		1268504	578309
3.411		1730842	685862
3.431		237273	97208
3.445		1277205	779235
3.52		2020299	1264116
3.554		3313367	2048366
3.578		3270888	2530598
3.682		4310945	2738218
3.705		1265132	682365
3.725		1301247	766171
3.755		542570	276159
3.771		3042802	1846229
3.813		1083117	782917
3.861		213564	177236
3.883		2473505	1509211
3.905		5952469	3760939
3.93		4419300	2996777
3.968		271277	155838
4.004		1576441	1150862
4.039		3008730	2358919
4.067		1756939	1025846
4.114		205896	148233

RT B	Compound B	Height B	Area B
4.149		956735	752456
4.206		1679358	1324010
4.239		1021109	698089
4.266		2716106	2015968
4.305		52009	48252
4.36		1048898	1041511
4.396		267982	200325
4.428		1787368	1463154
4.494		217111	144505
4.521		135216	105157
4.594		277458	293891
4.647		1857504	1510021
4.687		87316	79800
4.726		434749	568201
4.797		33288	23437
4.874		5657	9687
4.896		8653	4870
4.913		17647	12967
4.947		74393	53852
4.971		147734	125406
5.021		38740	36844
5.056		15597	12847
5.09		30450	26180
5.119		56326	37742
5.139		133325	112495
5.212		49084	51304
5.331		3427	2122
5.353		68909	60055
5.399		126072	136097
5.498		5161	5877
5.553		82494	74674
5.62		74336	67941
5.671		44872	41799
5.775		69364	61155
5.928		3318	6976
5.974		130842	117855
6.132	DCB	11459530	10547550
6.257		7967	16149
6.466		3240	8236
6.582		11494	13486
6.713		1479	2534
6.756		2299	2638
6.924		1484	6333

AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082

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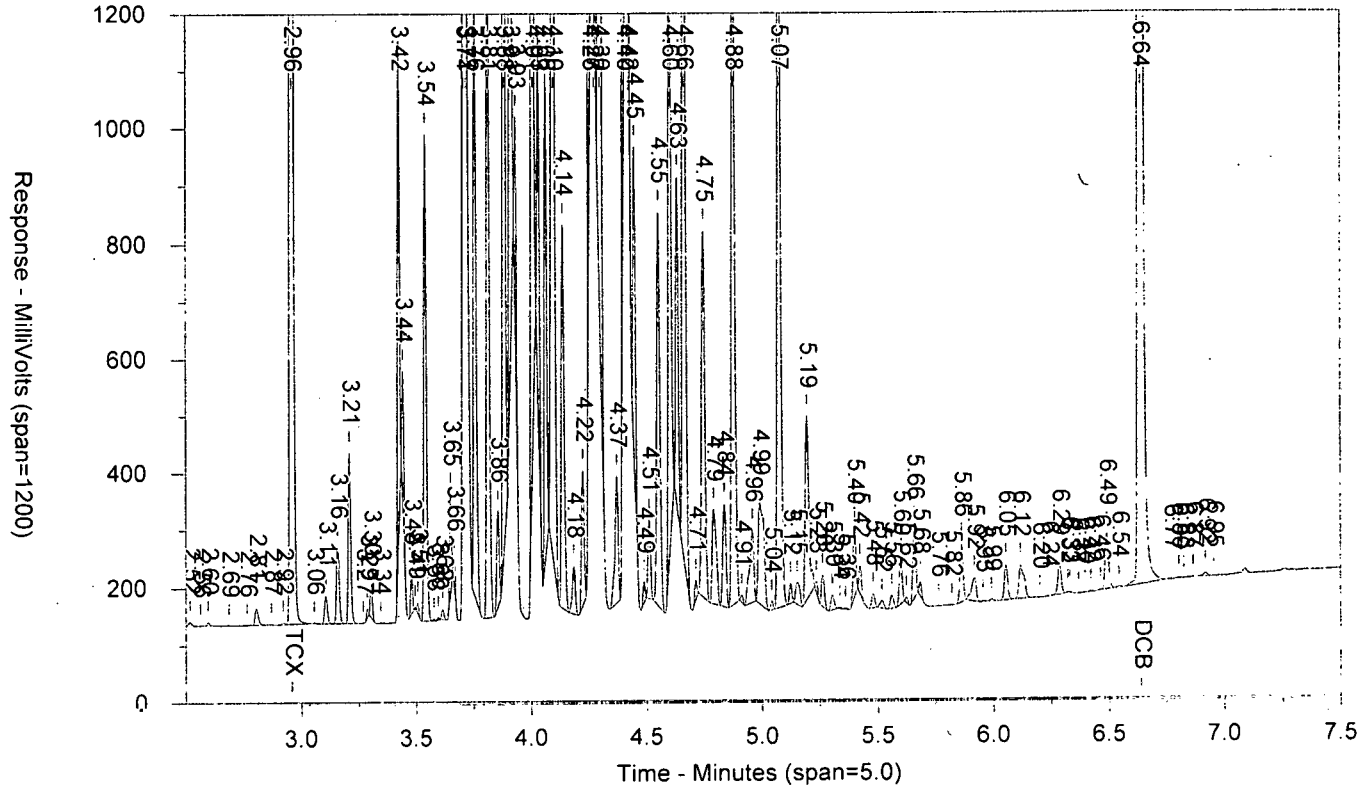

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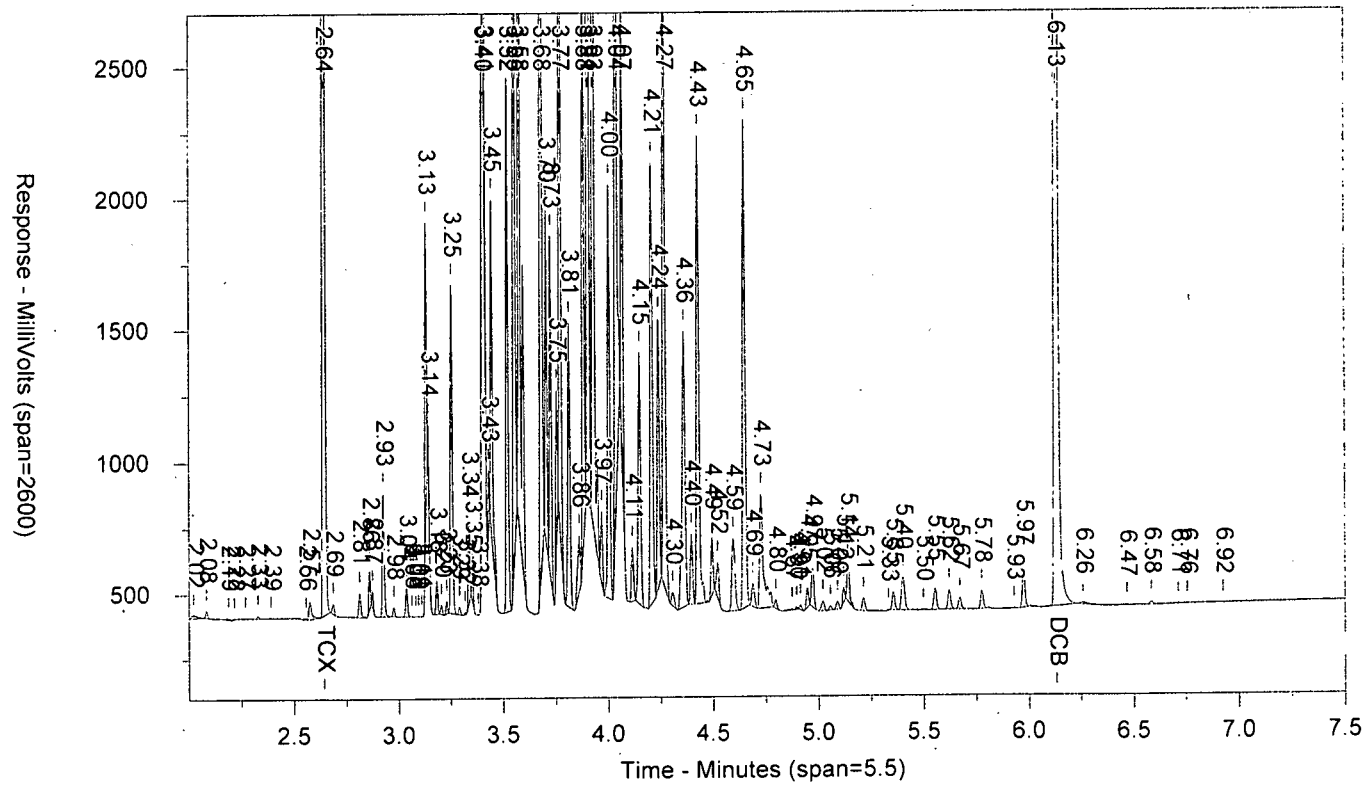

LANCASTER LABORATORIES

Sample Number: AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:01:05 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	9263867	81.499	TCX	2.642	14789970	82.742	TCX
6.639	8312485	78.061	DCB	6.132	11459530	75.893	DCB

Files:
Area File: 25pcbs17257002.018.RAW
Area File: 25pcbs17257002B.018.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 7:09:38 PM
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AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082

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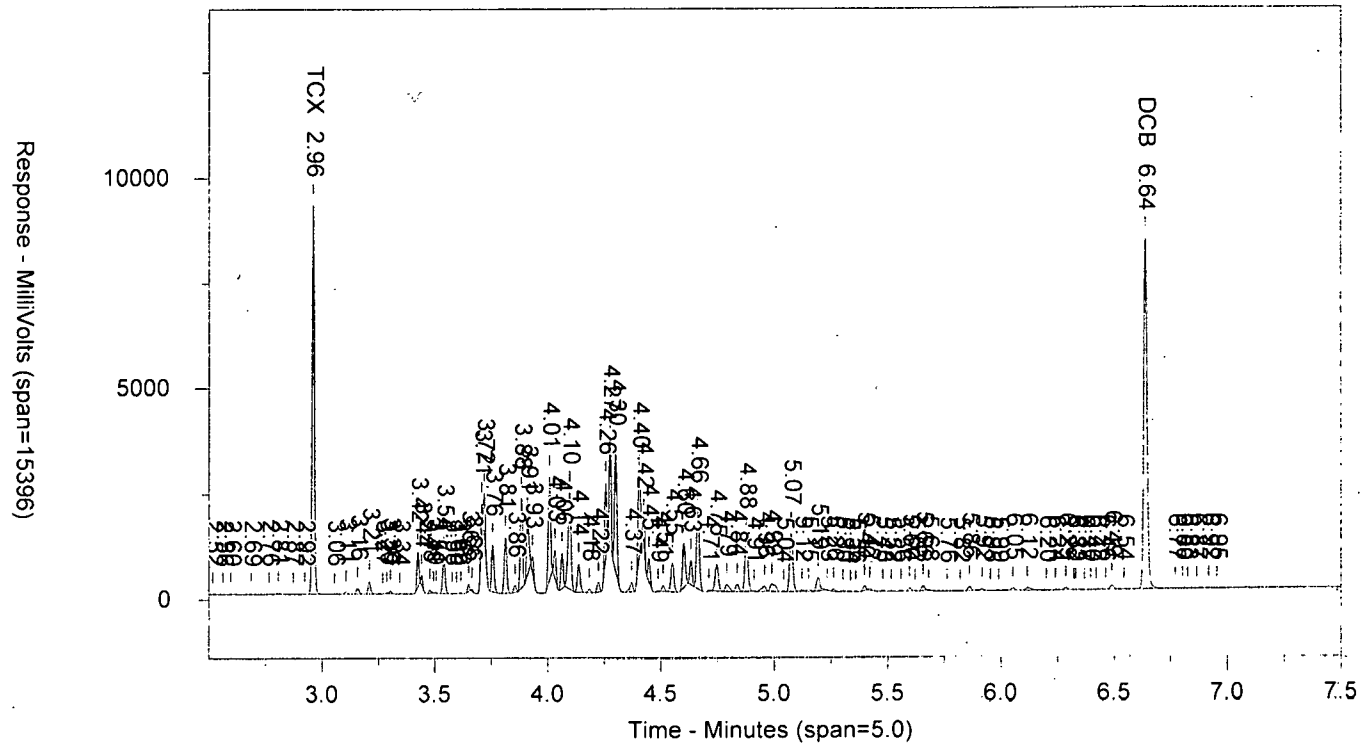

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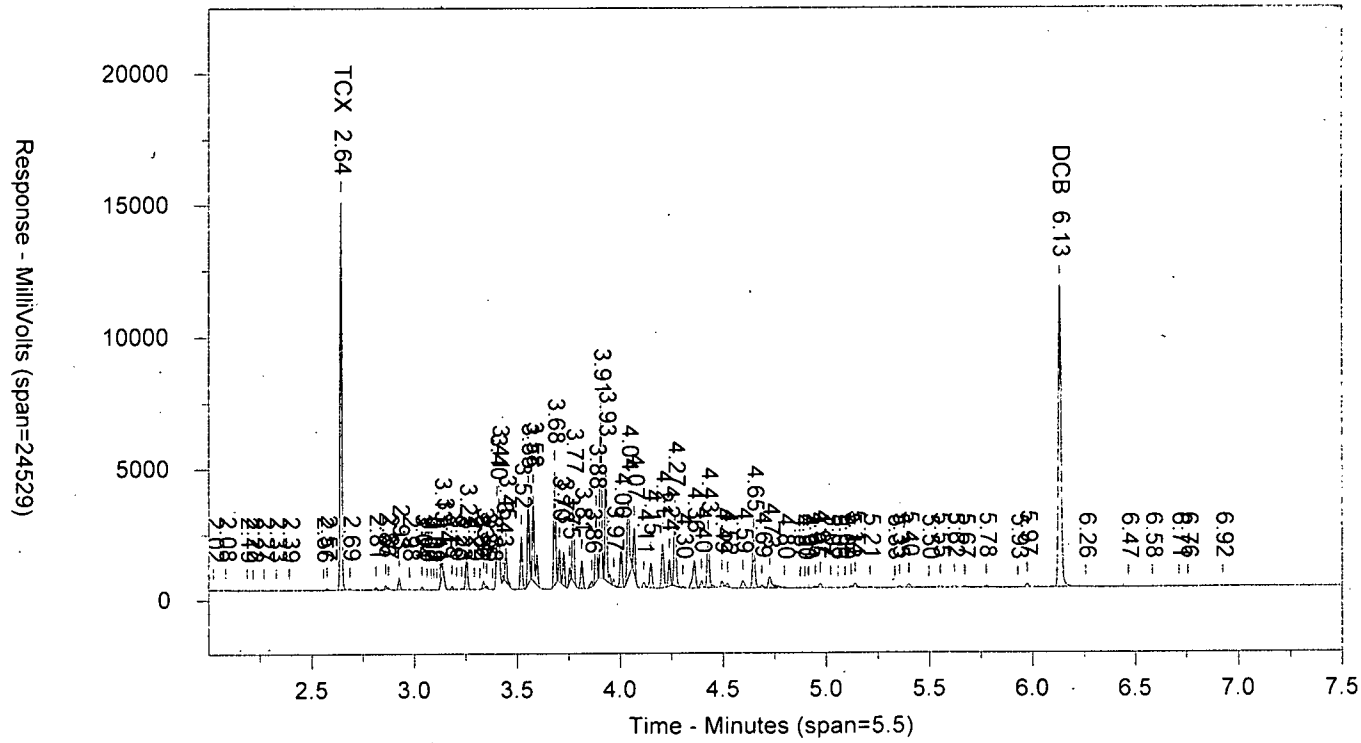

AR4861724B AAAR486AA ICAL 1725699999 10736 SW-846 8082

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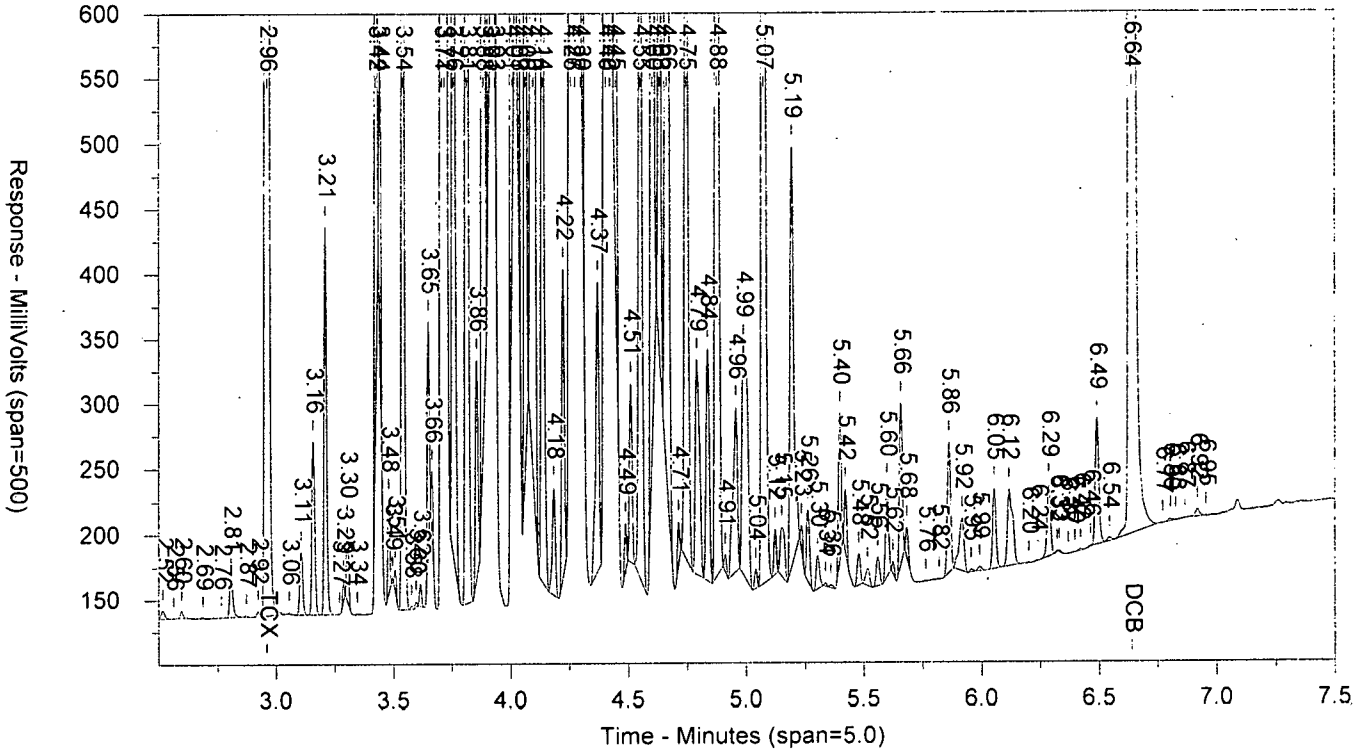

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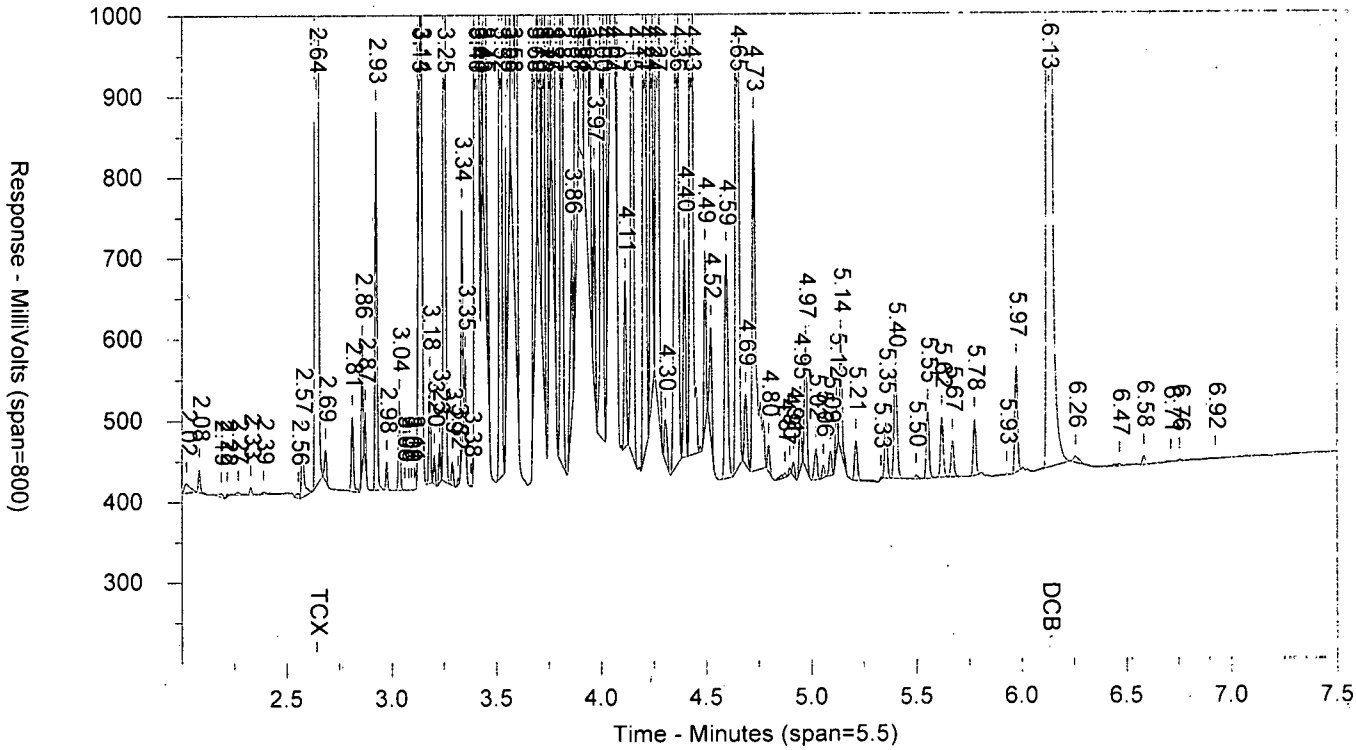

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:12:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.019.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.064		6930	8439
2.111		4342	11295
2.189		817	728
2.242		306	144
2.26		1075	687
2.358		13107	9524
2.397		1600	2083
2.518		5148	6285
2.59		829	1504
2.617		536	599
2.689		293	257
2.72		356	317
2.757		397	336
2.807		9618	8990
2.888		340	176
2.924		3344	2912
2.96	TCX	231233	157419
3.105		695	1064
3.158		3299	2328
3.213		1121	1108
3.289		3662	4076
3.361		525	411
3.405		377	392
3.427		1521	1091
3.519		551	424
3.544		1961	1890
3.588		511	240
3.635		3095	4042
3.712		2141	1226
3.762		3317	2807
3.818		2360	1943
3.852		904	744
3.887		57067	43467
3.914		14125	9777
3.937		1355	720
3.964		3175	3085
4.012		35188	27304
4.035		1752	1043
4.068		3240	2334
4.101		15290	12917
4.142		2819	2264
4.226		3028	2429
4.262		77830	58024
4.28		25466	14586
4.306		24792	20524
4.374		25293	21300
4.417		133330	147914
4.452		51001	42301
4.494		1359	932
4.515		8115	6740
4.557		50654	46006
4.606		89786	83724
4.639		19106	13724
4.668		173872	165421

RT A	Compound A	Height A	Area A
4.718		7340	5587
4.733		1519	506
4.752		22064	17725
4.794		60567	63677
4.841		11228	10421
4.882		130301	131958
4.942		17390	19627
4.994		80894	134264
5.043		1147	782
5.081		102827	107535
5.127		10257	8104
5.151		9389	13809
5.198		142073	129064
5.219		4351	2084
5.265		4116	3264
5.307		5297	6373
5.363		3804	4803
5.403		44668	37647
5.425		8958	6027
5.461		400	265
5.483		5512	5352
5.52		4681	4624
5.563		1482	1441
5.6		28975	26199
5.627		3217	2113
5.661		19687	18542
5.688		2912	2922
5.777		192	1022
5.832		480	201
5.864		19166	18175
5.895		2717	2921
5.963		505	281
5.993		3437	5240
6.058		1744	2100
6.118		1873	3990
6.218		537	384
6.24		356	228
6.281		3159	4894
6.322		3416	4943
6.411		668	1403
6.494		2336	2163
6.545		2888	3562
6.642	DCB	242025	282853
6.704		1332	1275
6.761		544	287
6.774		534	295
6.817		1048	2526
6.854		664	513
6.88		480	278
6.922		6385	10501
6.976		446	180
6.99		645	470

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:12:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.019.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		7666	24073
2.146		1490	1727
2.242		1303	5270
2.262		2779	2763
2.386		2019	3467
2.544		9817	6389
2.575		31816	50371
2.641	TCX	361232	229519
2.808		1629	3571
2.859		7556	7890
2.978		1371	2432
3.067		1171	333
3.077		1056	304
3.086		646	140
3.102		1332	478
3.116		803	463
3.143		2103	1428
3.165		839	199
3.181		566	77
3.187		1346	250
3.214		1968	2118
3.255		3233	2014
3.357		1900	3760
3.412		6247	7421
3.433		1393	529
3.447		2416	1767
3.478		1649	1267
3.523		3906	2871
3.557		94227	59327
3.58		28156	23473
3.685		60534	48164
3.729		4578	2835
3.775		21714	13997
3.816		5642	4533
3.855		4688	3459
3.886		15217	8975
3.907		180177	132521
3.953		17652	18266
3.972		34922	22253
4.007		182037	132694
4.039		62962	40867
4.057		38472	21250
4.118		14584	10809
4.152		70270	57075
4.21		140608	114109
4.244		39960	31249
4.271		233801	200568
4.307		17646	16141
4.363		123645	114430
4.401		17757	14535
4.433		170340	171871
4.499		109037	105298
4.599		08081	105300
4.653		116199	102754

RT B	Compound B	Height B	Area B
4.691		31215	27525
4.73		190598	245822
4.862		2436	2810
4.918		10215	9432
4.949		9814	6855
4.976		63371	55384
5.022		5366	4132
5.057		6336	5357
5.09		3987	3507
5.123		37958	73640
5.278		1440	1439
5.356		1910	3776
5.399		27646	31921
5.556		3219	4647
5.622		3596	5126
5.672		1805	2269
5.776		1723	1897
5.975		3764	3916
6.133	DCB	355436	332623
6.258		12100	42631
6.453		1960	3714
6.564		1324	2799
6.707		2080	4547
6.835		1413	1352

AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082

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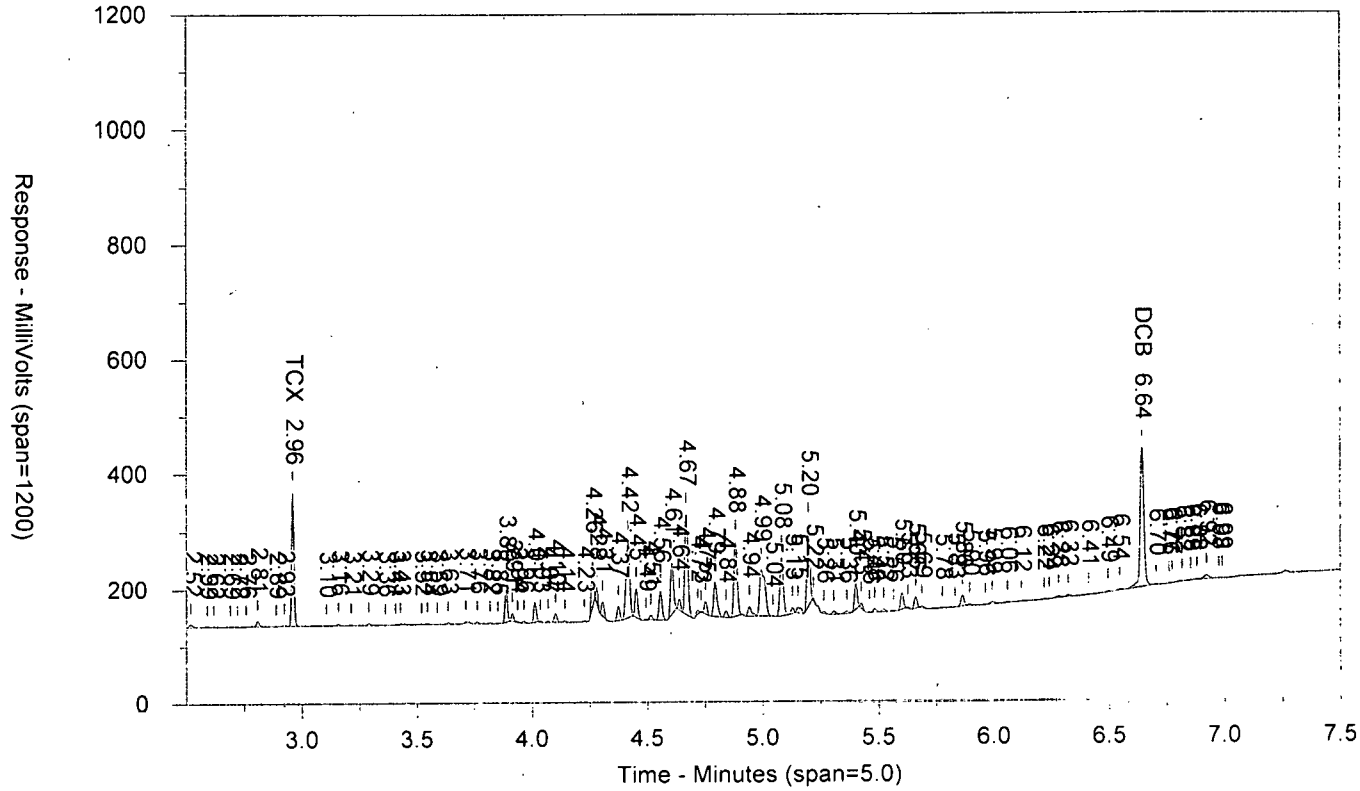

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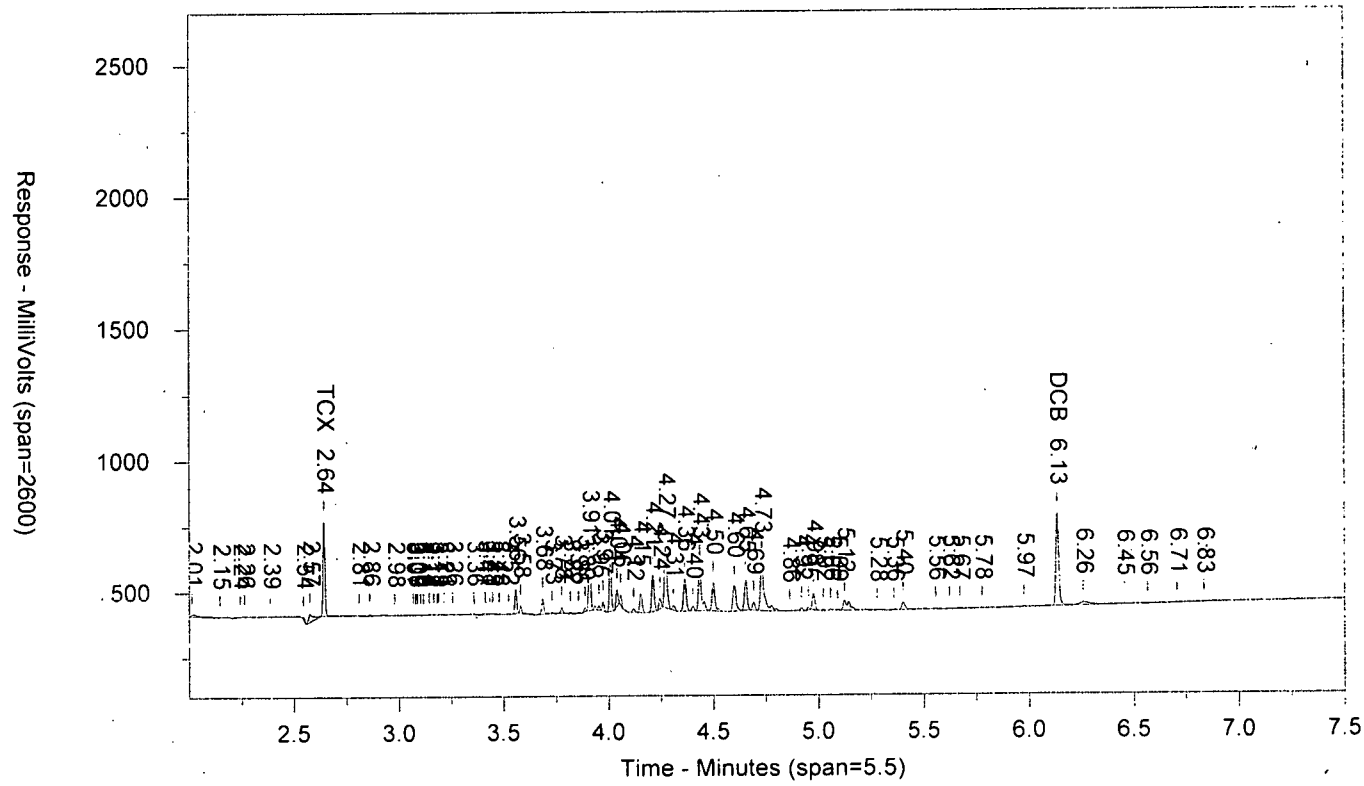

LANCASTER LABORATORIES

Sample Number: AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:12:53 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	231233	2.034	TCX	2.641	361232	2.021	TCX
6.642	242025	2.273	DCB	6.133	355436	2.354	DCB

Files:
Area File: 25pcbs17257002.019.RAW
Area File: 25pcbs17257002B.019.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 7:21:25 PM
File Reported On: 9/14/2017 at 7:21:37 PM

AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082

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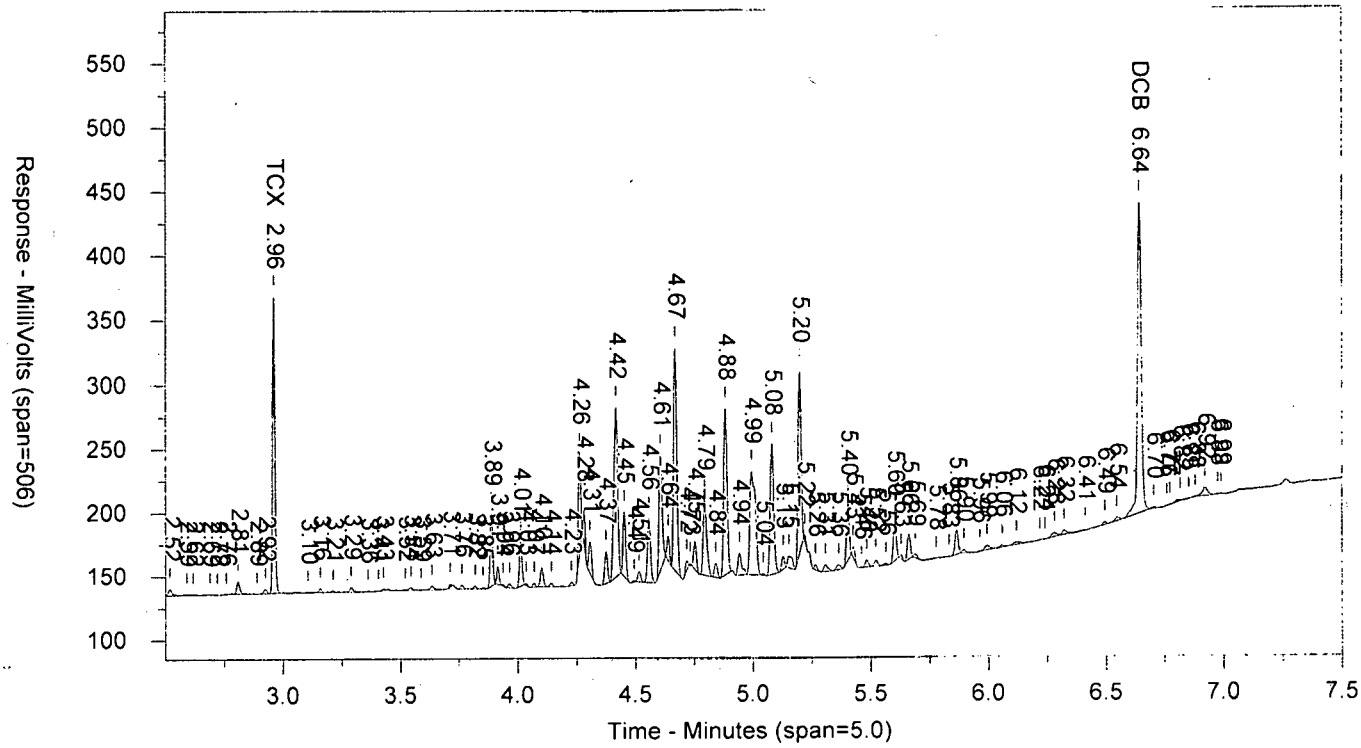

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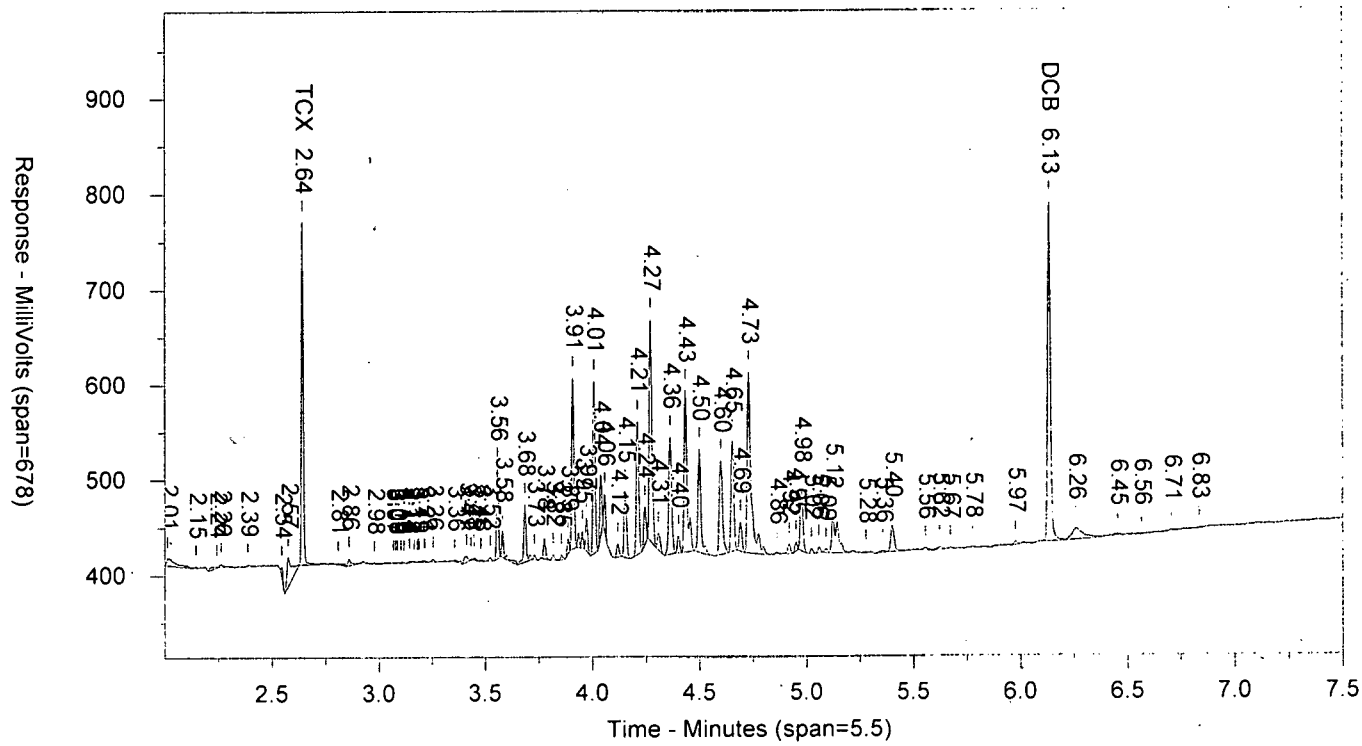

AR5411724B AAAR541AA ICAL 1725699999 10736 SW-846 8082

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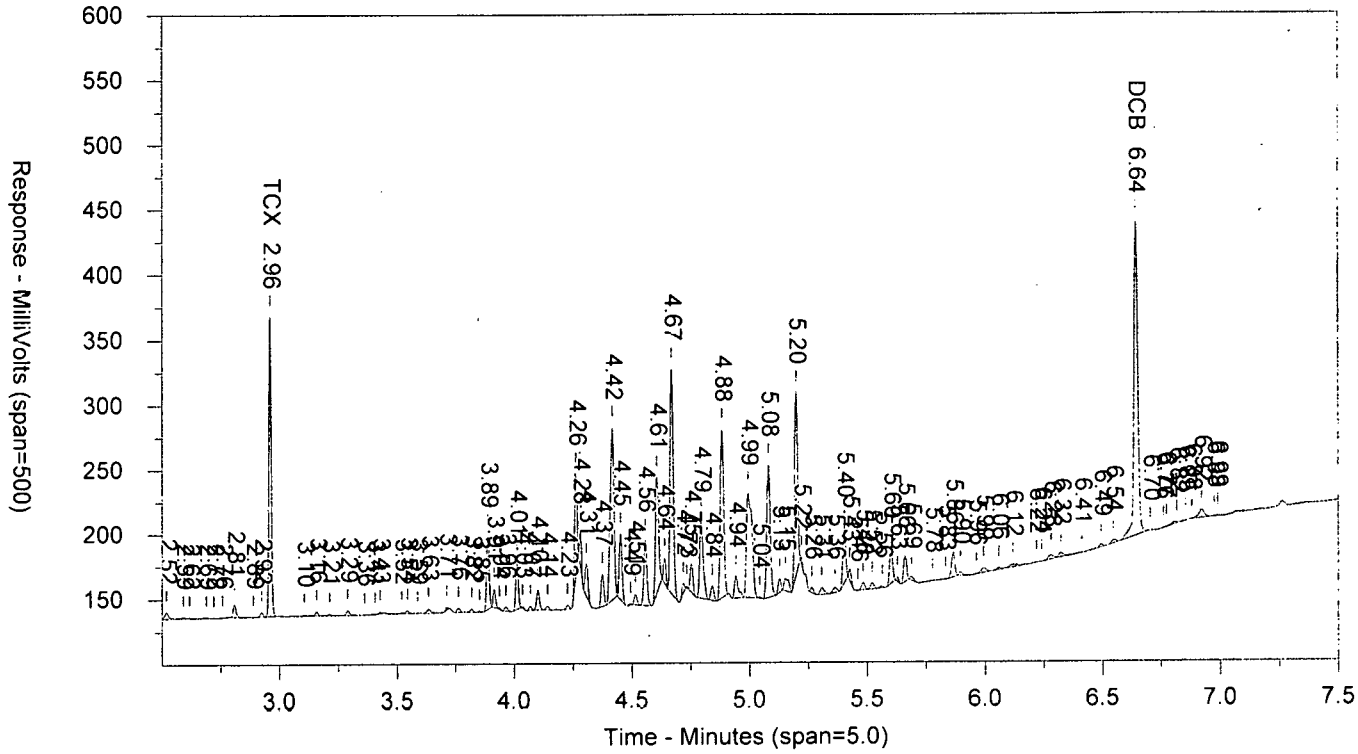

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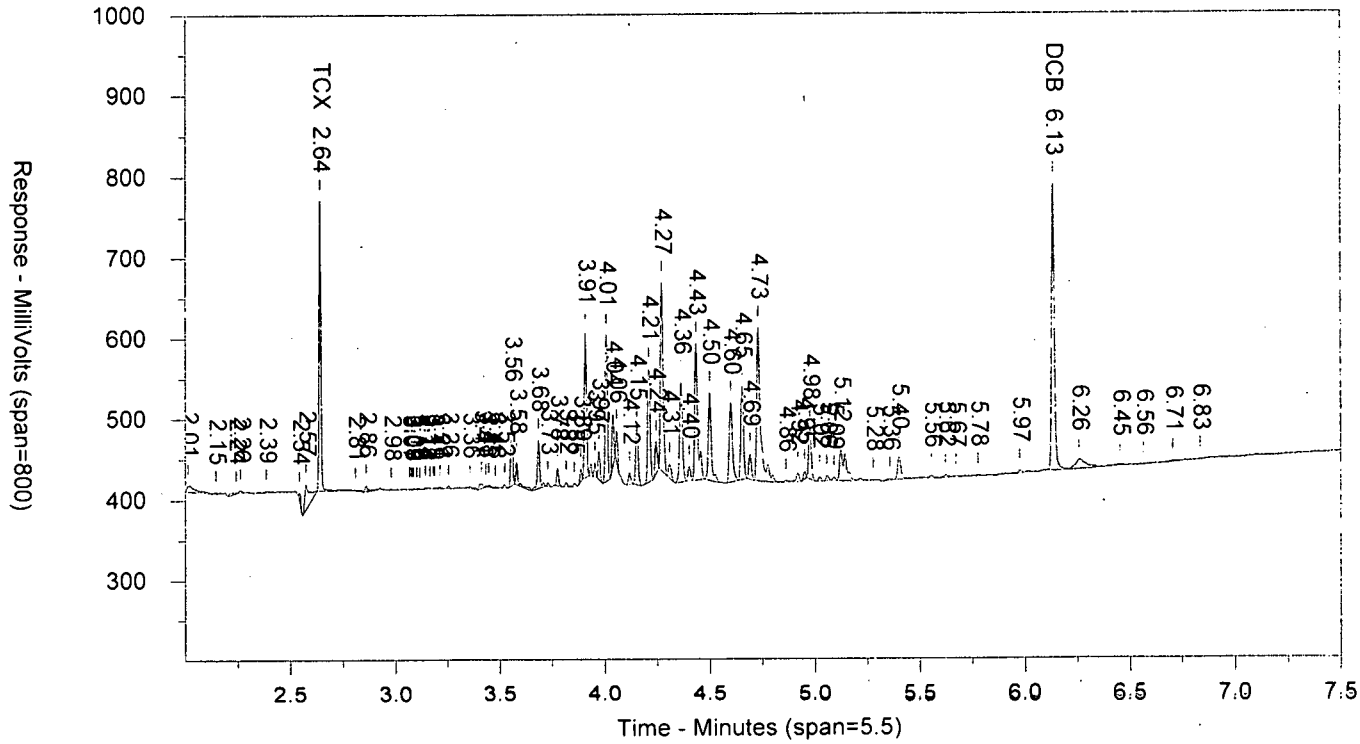

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:24:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.035		602	261
2.062		8623	9757
2.108		5380	13674
2.26		2373	1658
2.357		21736	16503
2.397		1793	2746
2.47		397	225
2.518		6071	7082
2.586		627	1176
2.684		505	844
2.759		661	469
2.806		17600	17050
2.872		607	485
2.923		4145	3379
2.959	TCX	438517	306786
3.067		457	268
3.102		889	684
3.155		6576	5386
3.209		1758	1800
3.288		4927	5259
3.399		333	400
3.425		2369	1616
3.442		1073	482
3.495		532	164
3.518		294	249
3.539		3533	3178
3.631		3736	5076
3.708		6869	9425
3.757		4856	3924
3.814		3763	3273
3.855		867	744
3.884		106587	80881
3.911		25594	17686
3.959		3620	3425
4.008		67690	50621
4.033		3419	1949
4.065		5726	4166
4.097		26918	23559
4.138		5236	4179
4.172		1157	1327
4.224		5470	4275
4.259		144114	103521
4.277		44180	25506
4.302		46031	37089
4.371		47452	39025
4.413		230503	262211
4.448		90947	78199
4.489		3052	1891
4.511		15958	12785
4.553		92997	84635
4.603		166424	151781
4.635		40243	27477
4.665		316784	297777
4.714		14905	10489

RT A	Compound A	Height A	Area A
4.73		3558	1510
4.749		42945	33219
4.791		113006	118145
4.837		21374	19711
4.879		231820	238913
4.909		2542	1346
4.939		27842	33192
4.991		146572	240509
5.041		2597	1745
5.078		181527	198416
5.124		19764	15283
5.148		17343	25400
5.195		260734	286092
5.261		7823	6201
5.304		10411	12322
5.359		4168	5192
5.4		82769	71390
5.423		16839	11480
5.458		574	292
5.479		10466	9449
5.519		8496	8453
5.557		2324	2024
5.598		57090	51876
5.623		6529	4571
5.658		41143	36602
5.686		3165	3257
5.761		506	402
5.815		291	203
5.863		38515	35508
5.893		4823	3689
5.989		4812	7340
6.054		2591	3032
6.117		1443	1938
6.181		606	637
6.229		364	774
6.282		3984	6942
6.322		3007	3439
6.382		446	418
6.403		786	557
6.457		565	529
6.491		4245	4615
6.543		3771	4796
6.64	DCB	445415	506177
6.702		1239	1154
6.748		487	126
6.762		445	204
6.801		2569	3147
6.919		6279	12624
6.985		957	839

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:24:10 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		9673	19702
2.232		2473	5058
2.26		3050	7091
2.392		2444	3514
2.549		13373	9332
2.575		42816	49881
2.642	TCX	692861	414183
2.734		1771	16477
2.859		13173	12637
2.925		3142	2810
2.975		2119	1914
3.069		772	275
3.083		1052	402
3.096		567	103
3.107		596	105
3.123		465	44
3.134		791	340
3.143		2087	930
3.158		561	136
3.183		1038	373
3.188		1041	199
3.254		4998	3626
3.335		1227	635
3.359		4343	6249
3.402		10344	10486
3.432		2003	1002
3.447		4183	2704
3.521		6682	5218
3.555		168835	105593
3.578		48134	30707
3.682		109562	83219
3.726		9123	5989
3.772		41290	30728
3.813		9432	6670
3.852		7446	5812
3.884		30567	18057
3.906		330616	237164
3.931		32076	17251
3.95		34301	18117
3.97		65230	40946
4.004		317304	236811
4.036		147010	208462
4.115		26091	19237
4.15		129475	101598
4.207		249976	204584
4.241		73863	57396
4.268		423698	356164
4.305		33130	31013
4.36		216186	200741
4.398		32123	26604
4.43		294389	309439
4.496		192453	157435
4.596		172344	188057
4.65		214056	188839

RT B	Compound B	Height B	Area B
4.688		57801	50660
4.727		337782	362271
4.774		25789	17189
4.797		10004	7012
4.857		4264	5035
4.916		19566	17928
4.948		18698	12844
4.973		117816	101032
5.022		11300	9324
5.058		11891	10129
5.089		7291	6435
5.121		53443	39393
5.14		31691	20978
5.214		3346	4103
5.353		3861	6095
5.398		53203	61188
5.555		4594	5171
5.622		4832	8362
5.672		3564	4329
5.775		3531	4890
5.879		2576	5070
5.973		6618	10136
6.133	DCB	610592	613803
6.258		11801	36427
6.44		2165	3161
6.526		1252	1875
6.709		1957	3088
6.888		1160	3783
6.973		1320	1282

AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082

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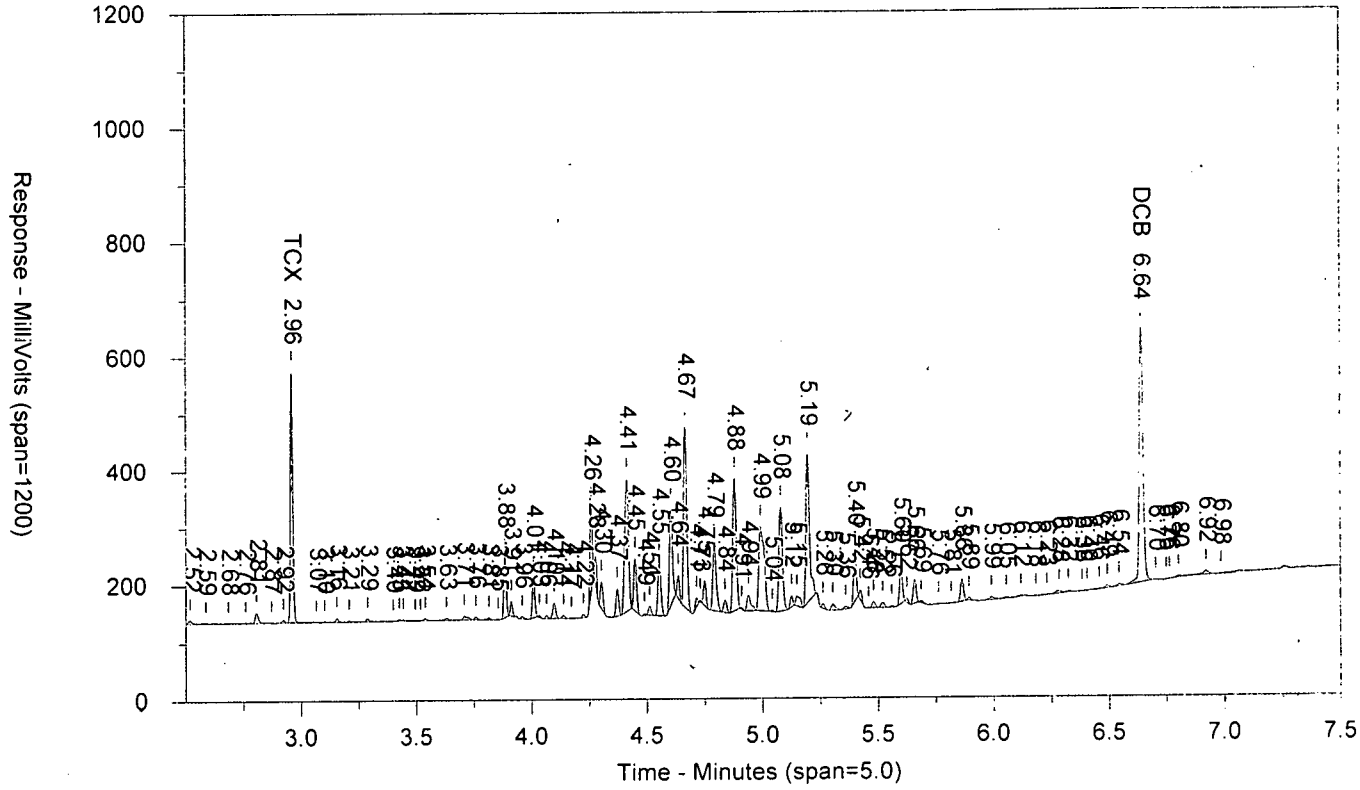

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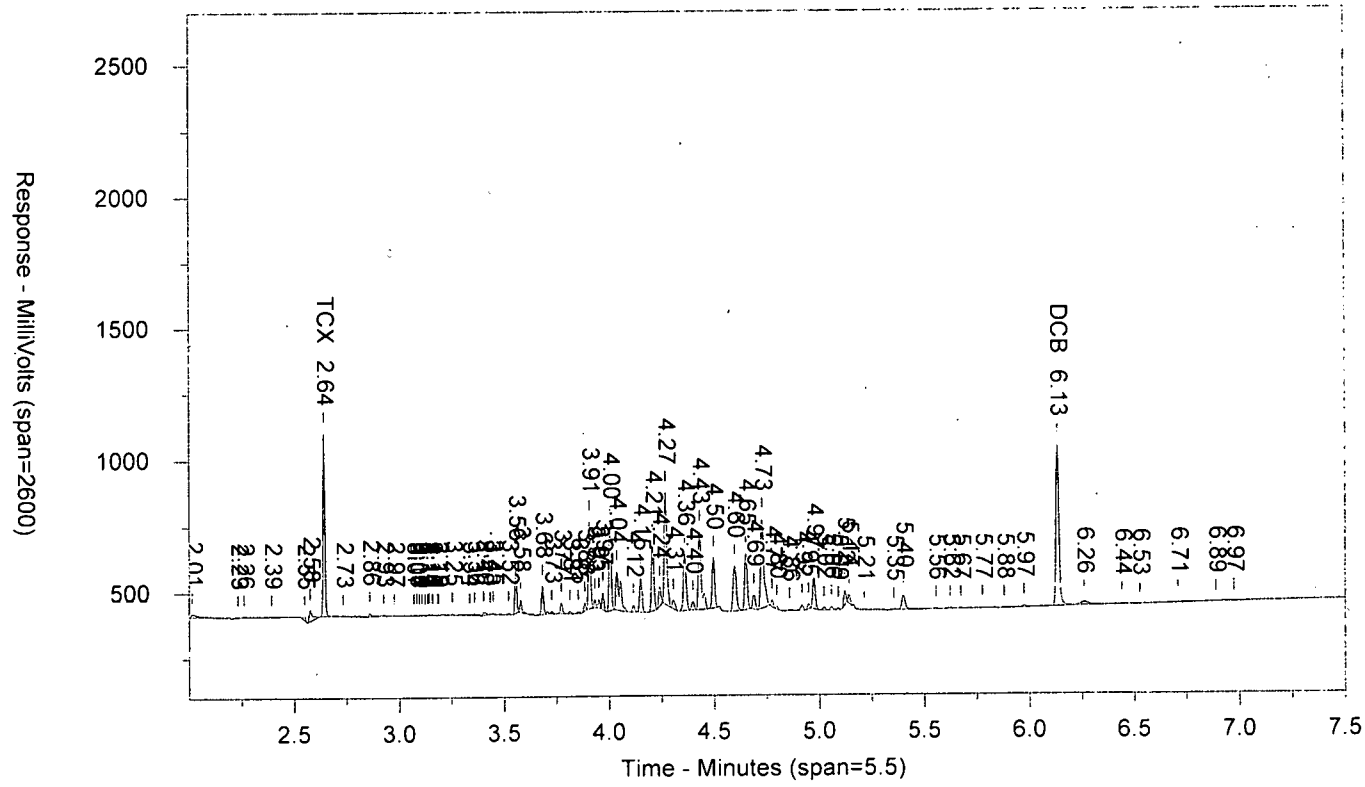

LANCASTER LABORATORIES

Sample Number: AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:24:10 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	438517	3.858	TCX	2.642	692861	3.876	TCX
6.64	445415	4.183	DCB	6.133	610592	4.044	DCB

Files:
Area File: 25pcbs17257002.020.RAW
Area File: 25pcbs17257002B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 7:32:41 PM
File Reported On: 9/14/2017 at 7:32:50 PM

AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082

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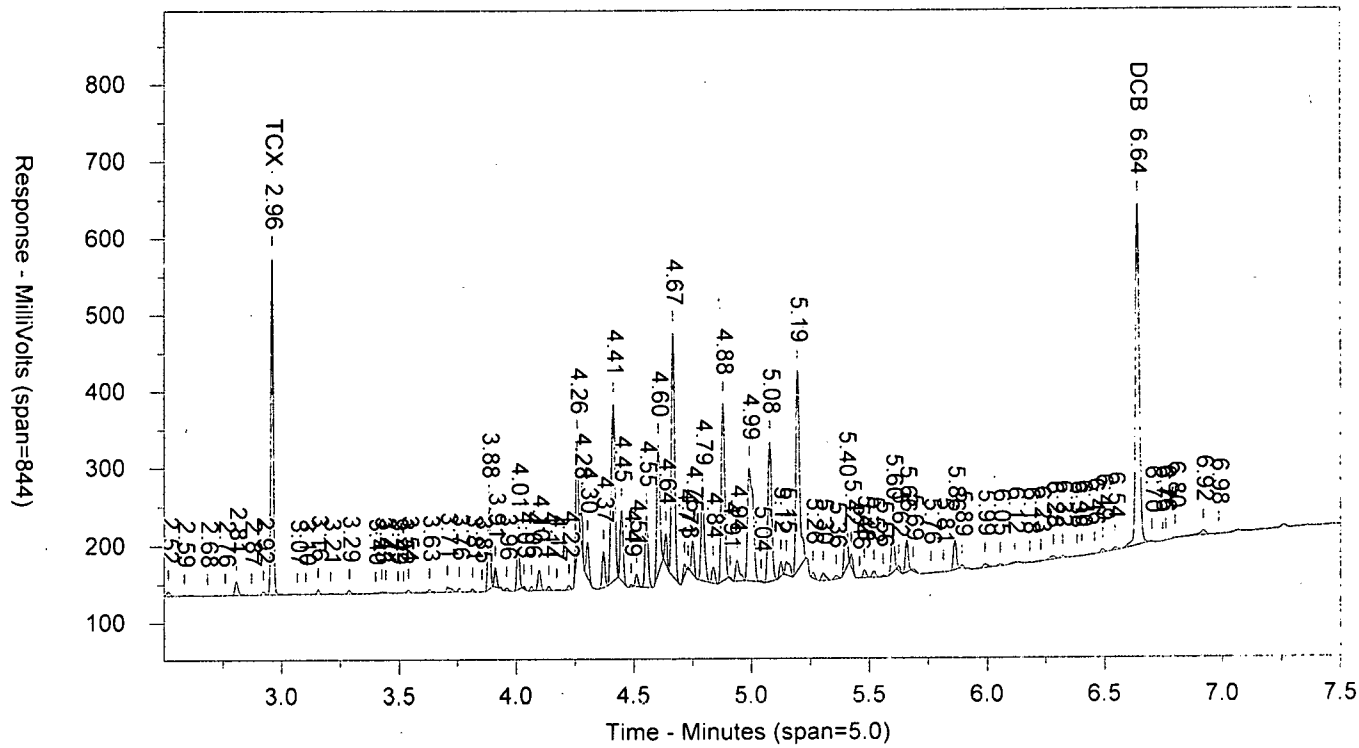

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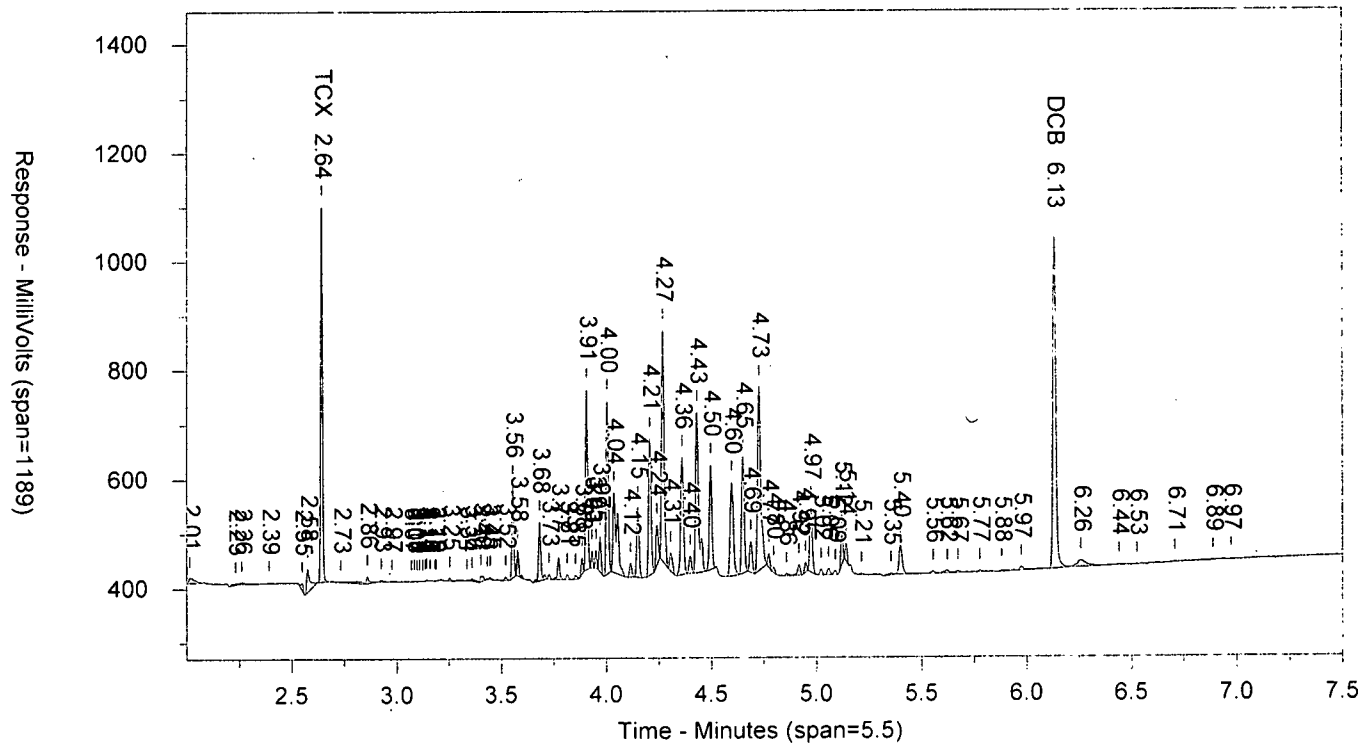

AR5421724B AAAR542AA ICAL 1725699999 10736 SW-846 8082

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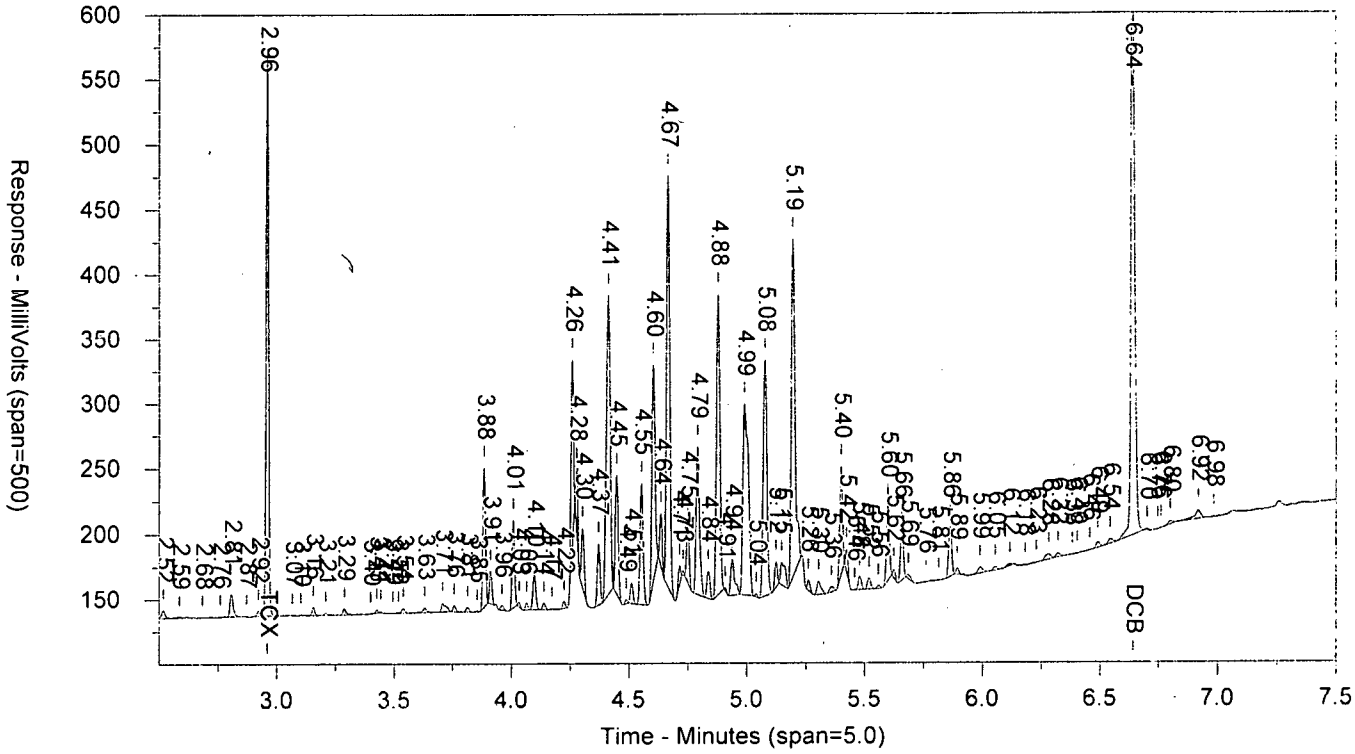

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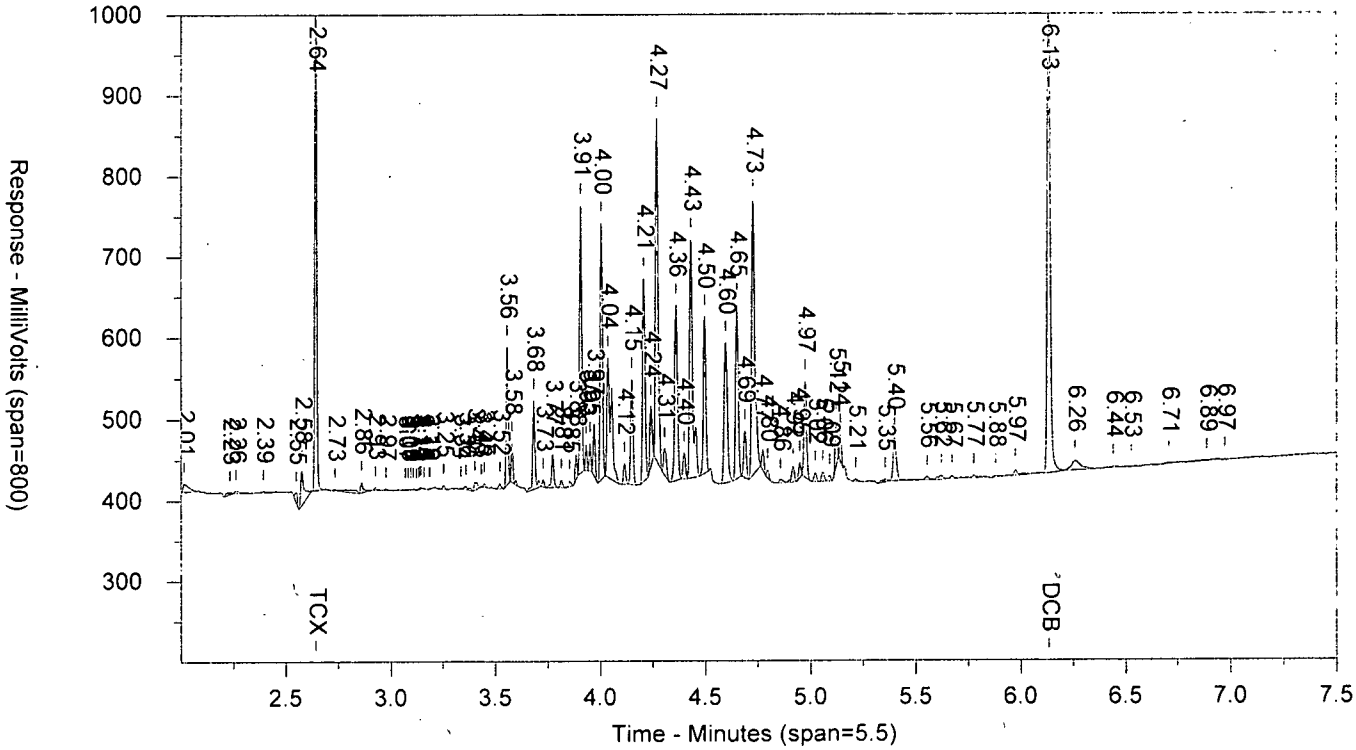

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:35:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		7803	9098
2.109		4901	13667
2.243		384	143
2.259		4313	2973
2.358		16907	12913
2.394		1973	2590
2.465		356	500
2.518		5804	6998
2.566		388	159
2.588		543	619
2.689		620	1160
2.785		327	195
2.806		16625	15843
2.866		448	326
2.922		4000	3432
2.959	TCX	884175	608140
3.055		855	1216
3.106		955	1274
3.156		12456	8737
3.208		3503	2597
3.287		5783	5192
3.365		658	707
3.426		4495	2696
3.442		1792	922
3.495		622	325
3.54		5791	4988
3.599		735	458
3.632		2266	2339
3.709		5875	3333
3.719		2593	2259
3.758		8689	7343
3.814		6562	5034
3.857		1078	911
3.885		195238	151602
3.911		48402	33891
3.933		3877	1967
3.96		3164	2863
4.008		126468	99449
4.033		5784	3317
4.065		10580	8131
4.097		55494	45681
4.138		10538	8737
4.174		1455	1552
4.223		10819	8342
4.259		257601	183420
4.276		86969	49271
4.303		87919	72374
4.371		93258	77241
4.413		445086	496663
4.448		175966	151163
4.489		5766	3764
4.511		30802	24785
4.553		170913	161859
4.603		315277	284769

RT A	Compound A	Height A	Area A
4.634		69629	50498
4.665		611659	575238
4.714		28662	19691
4.729		6823	2803
4.749		85773	66969
4.791		204946	223830
4.837		45976	40068
4.877		448751	455691
4.908		5016	2824
4.938		54430	65142
4.99		264924	440107
5.041		4797	3310
5.077		349443	383065
5.124		41323	31479
5.148		33483	51230
5.194		514946	662165
5.261		15564	12020
5.304		20183	24465
5.359		2687	3433
5.4		150376	134616
5.423		30815	20678
5.454		701	372
5.479		19105	18691
5.518		18264	16918
5.558		4127	3741
5.597		109691	102746
5.623		11617	8353
5.657		85798	93625
5.761		718	920
5.782		554	538
5.861		78309	70685
5.892		9251	8597
5.993		3691	5956
6.053		5669	5952
6.117		2528	3898
6.165		379	230
6.181		291	106
6.195		418	214
6.228		435	414
6.285		5133	7042
6.322		2396	2543
6.35		524	292
6.395		706	486
6.42		649	286
6.441		456	251
6.491		8442	9137
6.55		2421	3908
6.64	DCB	870579	944667
6.748		445	96
6.804		1711	2082
6.854		631	209
6.88		511	229
6.918		5556	8312
6.979		638	335

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:35:28 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.017		8752	18633
2.081		4265	4100
2.183		2751	3261
2.232		2716	5667
2.264		3069	5862
2.393		1978	5166
2.547		3457	3533
2.574		32936	27497
2.642	TCX	1380353	816514
2.78		1223	843
2.812		1833	3421
2.859		22588	17695
2.925		6186	5022
2.975		4130	3701
3.059		543	218
3.074		835	175
3.082		1238	330
3.097		757	332
3.114		559	134
3.132		4177	1752
3.143		2045	778
3.171		805	189
3.179		296	55
3.185		620	158
3.209		1892	1825
3.254		8205	6485
3.291		1839	1204
3.316		2085	1012
3.337		1467	974
3.355		2791	1957
3.402		8094	4167
3.412		6458	2597
3.432		5425	2439
3.446		7442	5903
3.52		11422	7619
3.555		304709	196461
3.578		91204	58970
3.682		205931	150686
3.727		18496	12790
3.772		81920	59701
3.813		18039	13026
3.853		13684	10838
3.884		61730	34526
3.905		628641	452463
3.931		61650	34442
3.951		66176	35343
3.969		122802	77754
4.004		620049	447174
4.036		222976	143088
4.054		136549	75481
4.116		50058	37157
4.15		245837	190936
4.207		482280	309407
4.241		137271	105665

RT B	Compound B	Height B	Area B
4.268		846127	680331
4.305		66842	61680
4.36		412997	377675
4.397		65602	52211
4.43		597612	591768
4.495		368300	352133
4.595		328148	349977
4.65		421260	366685
4.689		107845	98453
4.727		666844	690646
4.774		50010	32684
4.797		20727	13449
4.858		8205	9953
4.915		39121	35417
4.948		31589	23648
4.973		216449	189513
5.021		25506	21770
5.058		22774	18895
5.087		13720	11489
5.12		106305	75967
5.141		70808	54698
5.213		5704	5529
5.356		4838	6203
5.397		100844	110931
5.553		8565	7641
5.599		3381	2316
5.62		5370	4005
5.672		6227	5571
5.777		6317	13074
5.919		1223	3656
5.973		12765	17185
6.132	DCB	1221243	1153680
6.258		11611	35443
6.398		1584	1206
6.581		2225	1941
6.996		1122	15555

AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082

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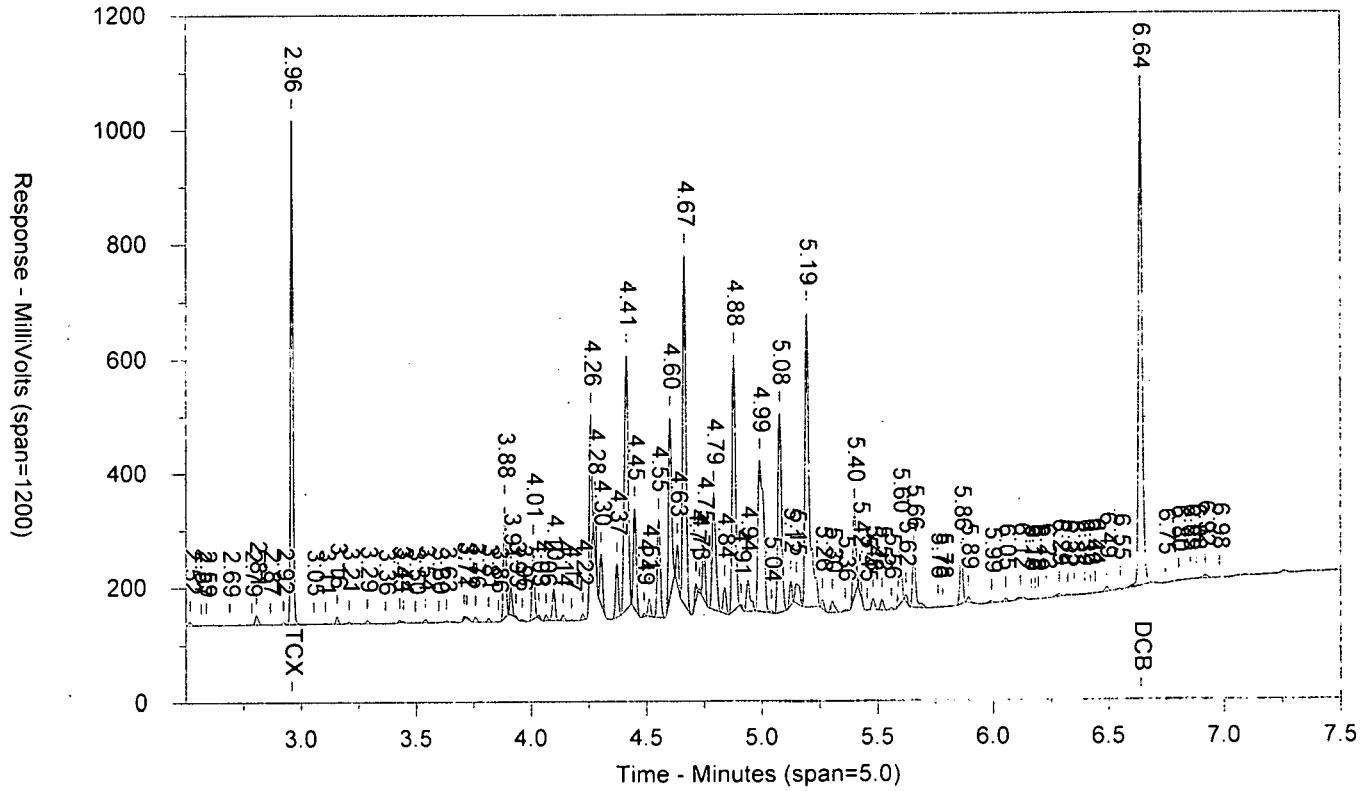

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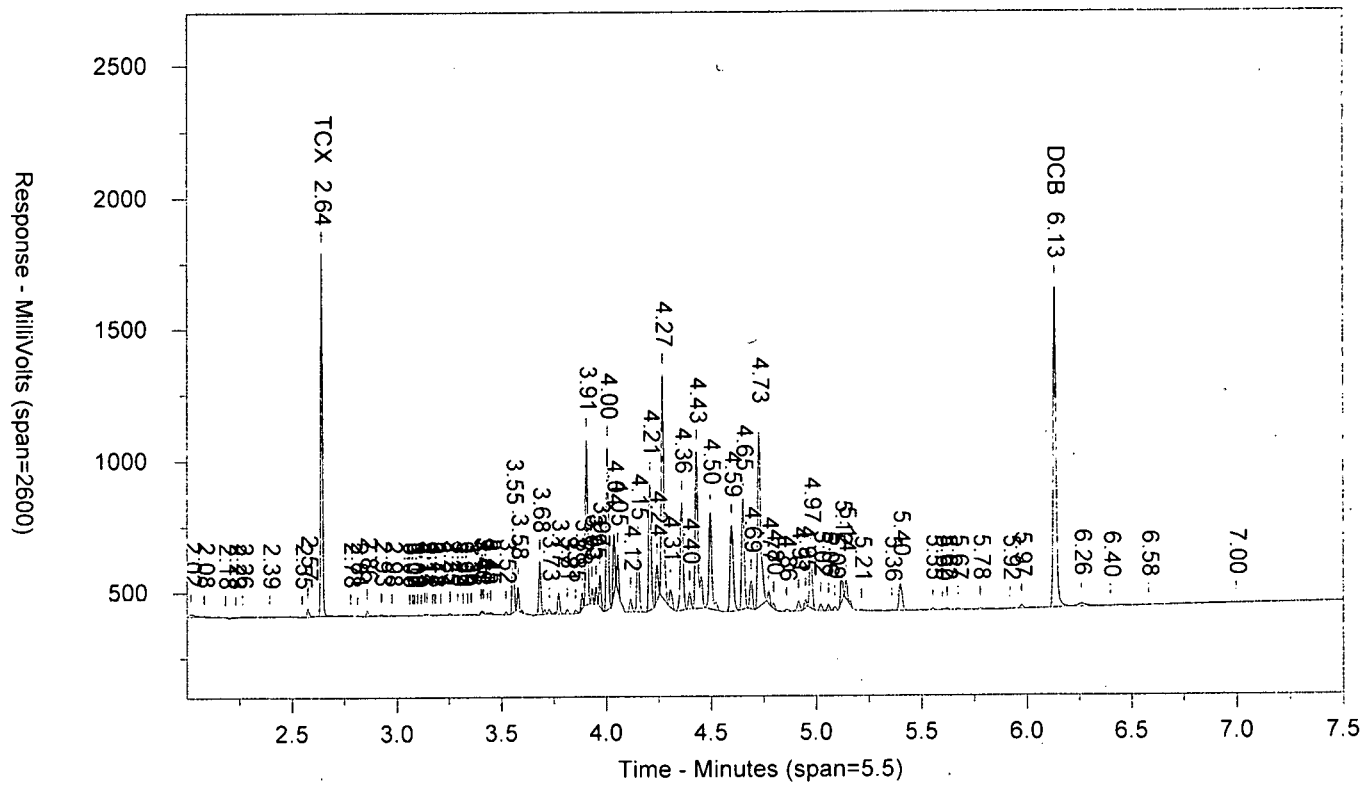

LANCASTER LABORATORIES

Sample Number: AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:35:28 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	884175	7.779	TCX	2.642	1380353	7.722	TCX
6.64	870579	8.175	DCB	6.132	1221243	8.088	DCB

Files:
Area File: 25pcbs17257002.021.RAW
Area File: 25pcbs17257002B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 7:43:59 PM
File Reported On: 9/14/2017 at 7:44:06 PM

AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082

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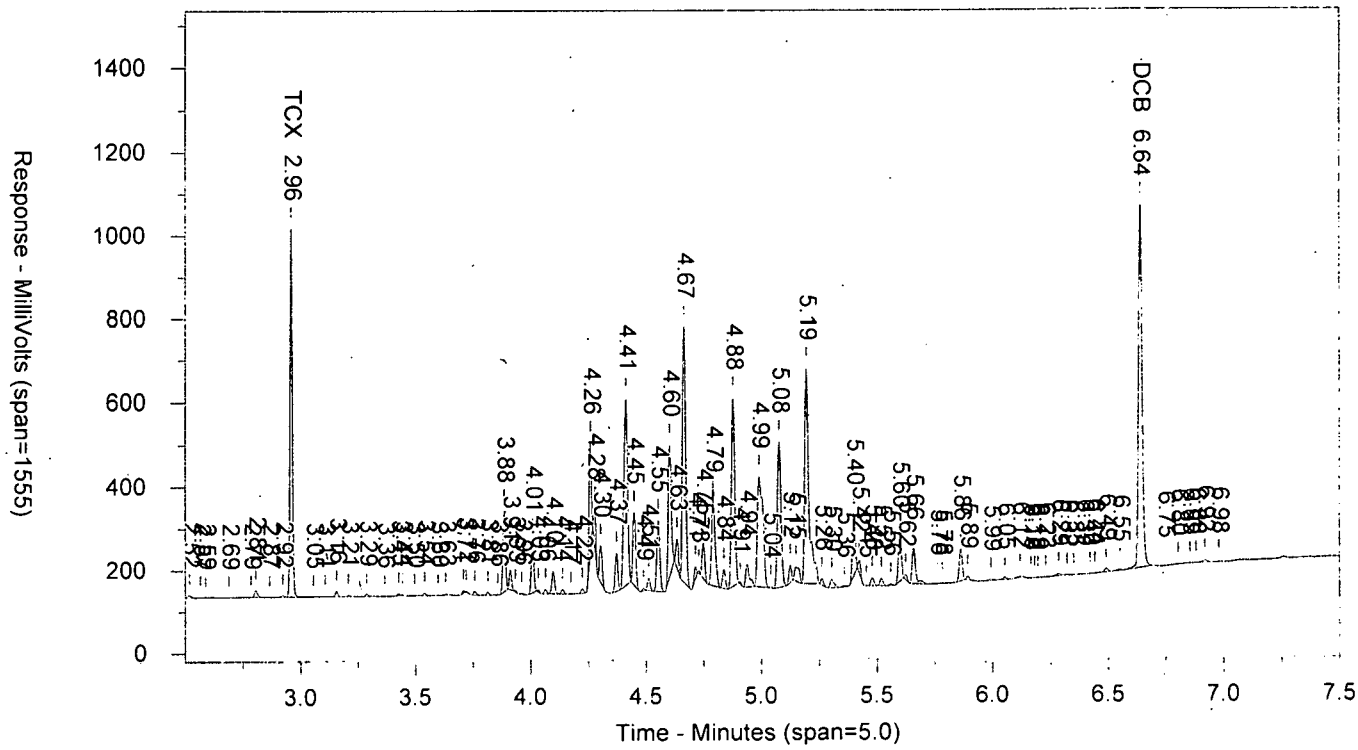

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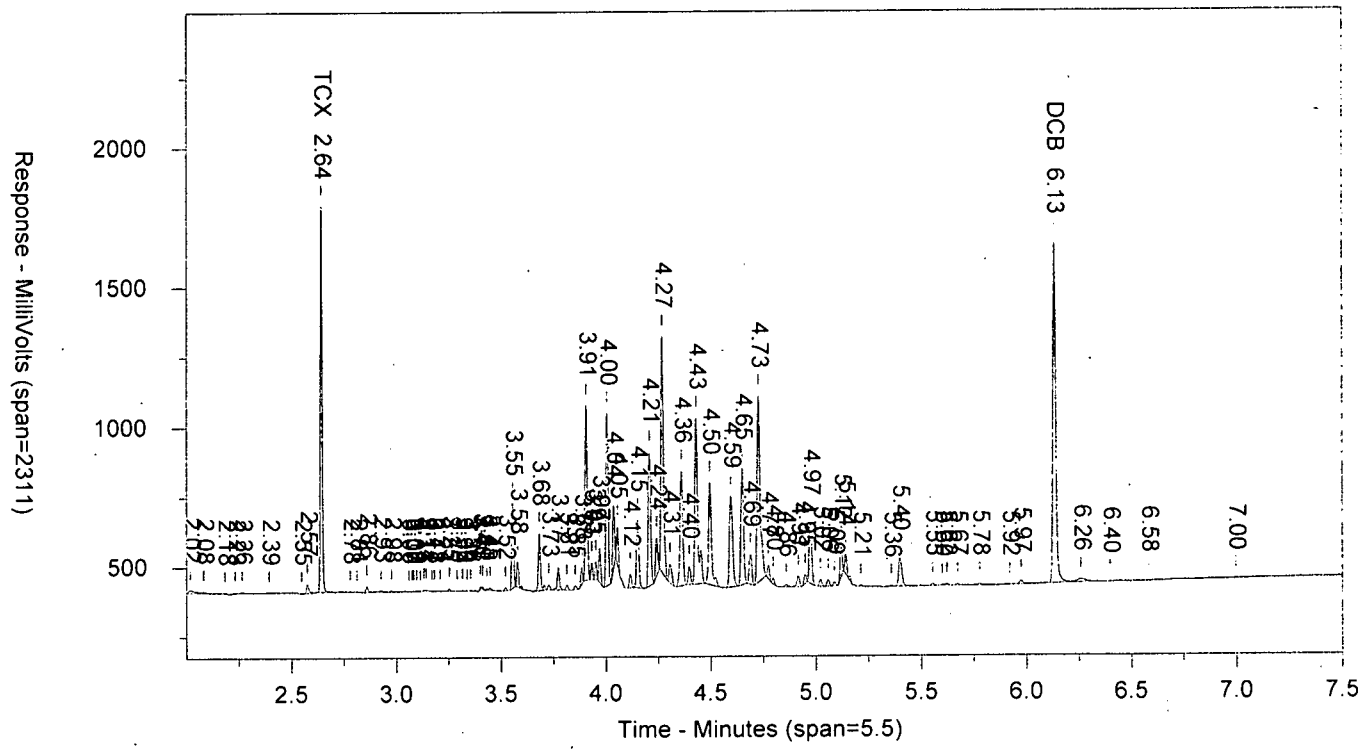

AR5431724B AAAR543AA ICAL 1725699999 10736 SW-846 8082

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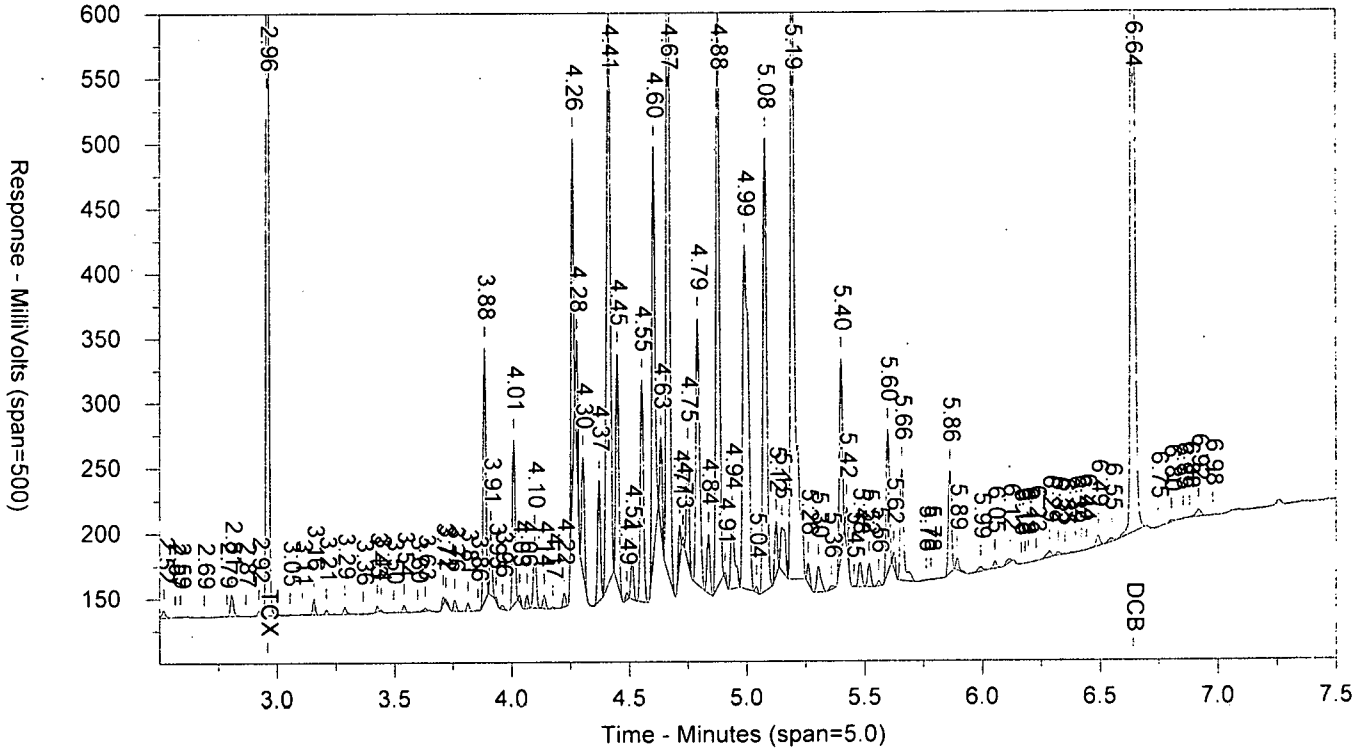

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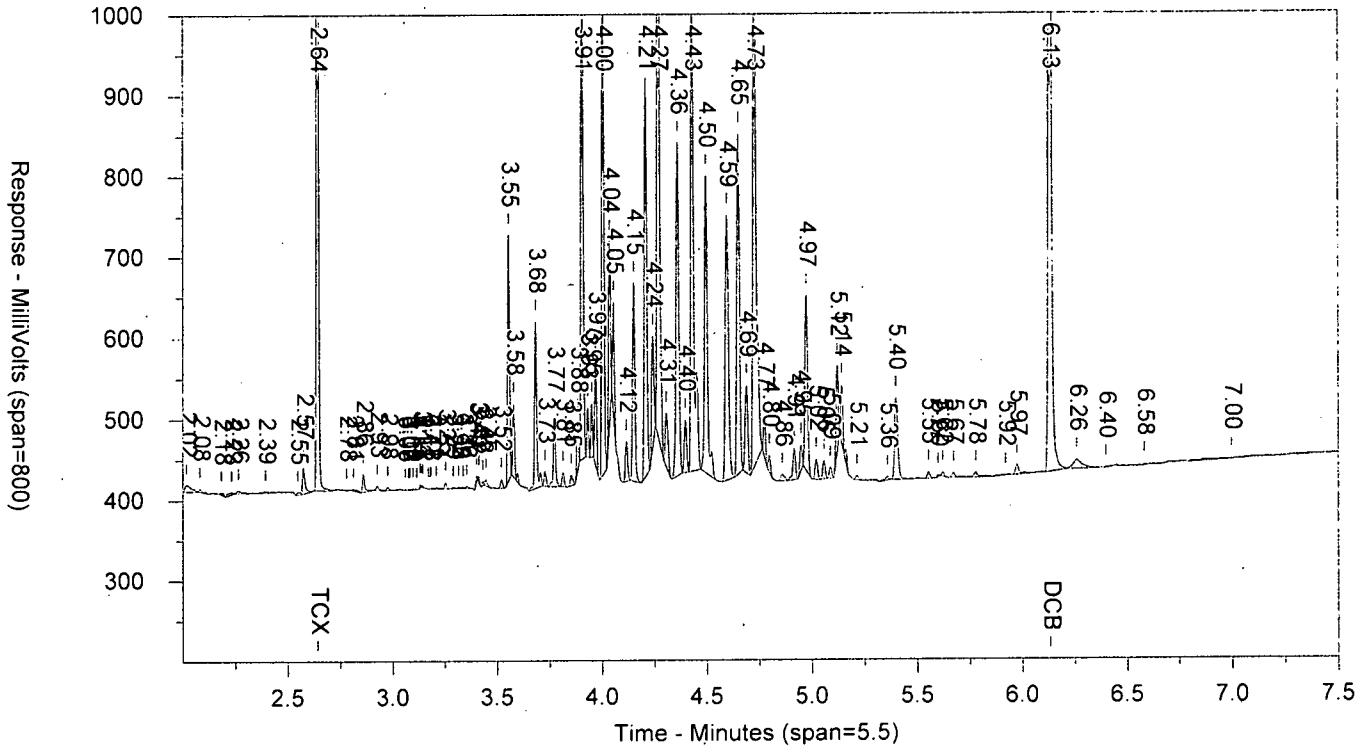

LANCASTER LABORATORIES

Sample Number: AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:46:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.022.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		5981	7274
2.111		4800	11847
2.187		620	571
2.259		10855	7404
2.312		304	127
2.358		11362	10332
2.393		1876	2881
2.518		4532	5593
2.599		576	320
2.682		704	868
2.733		373	127
2.806		8695	8731
2.887		621	260
2.922		2794	2756
2.959	TCX	2155095	1478921
3.105		2019	1857
3.156		28983	20325
3.21		8851	6438
3.287		8090	7859
3.366		487	457
3.401		322	294
3.426		11177	6690
3.442		4175	2272
3.478		825	407
3.496		1433	894
3.541		13459	10575
3.597		923	503
3.617		3433	3226
3.651		2323	1245
3.666		1172	538
3.709		12729	7032
3.72		6828	5697
3.758		20876	17164
3.815		16138	12212
3.857		2076	1469
3.885		438697	340117
3.912		111304	79729
3.934		9863	4782
3.96		2501	1829
4.009		281271	225219
4.033		14296	7684
4.064		25536	19033
4.098		127948	110386
4.139		24280	20795
4.172		3448	3665
4.224		25324	19832
4.259		632053	434736
4.276		206372	111011
4.303		197639	163014
4.371		208527	178047
4.414		1035794	1153261
4.448		403507	340872
4.49		13895	9294
4.512		74244	59338

RT A	Compound A	Height A	Area A
4.554		394281	367915
4.604		770701	676430
4.635		173304	116806
4.665		1499619	1365606
4.715		68213	50229
4.729		16295	6275
4.749		181982	148624
4.791		470136	504078
4.838		108338	97996
4.878		1081906	1075480
4.91		12941	7965
4.938		102539	85539
4.957		15580	8416
4.99		620715	986034
5.041		12156	8710
5.077		840560	909821
5.123		91588	73451
5.148		30437	19871
5.159		26057	18768
5.194		1067328	1026866
5.216		35909	20034
5.261		38796	30288
5.304		48732	58916
5.4		333899	301031
5.422		65905	46652
5.453		1388	726
5.479		47338	44598
5.517		43043	40436
5.559		11847	10540
5.597		241027	232569
5.623		34043	21546
5.657		186455	210781
5.763		1007	1532
5.822		460	408
5.861		166636	162823
5.891		24057	22066
5.991		3629	5795
6.053		15642	16330
6.116		17004	33599
6.172		527	192
6.286		11000	12760
6.32		2750	3477
6.38		396	339
6.439		433	1315
6.462		779	361
6.49		21916	22581
6.542		2724	2846
6.639	DCB	2033158	2182941
6.802		1386	1929
6.84		581	378
6.872		871	950
6.917		5770	8184
6.949		576	314
6.978		734	412

LANCASTER LABORATORIES

Sample Number: AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:46:46 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.022.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.023		7896	17300
2.083		7327	5412
2.228		1499	2212
2.259		3016	4933
2.384		2058	3315
2.508		12895	61850
2.576		20109	16923
2.642	TCX	3497194	1992945
2.812		4038	5081
2.859		49484	32743
2.925		14521	10945
2.975		8563	5954
3.037		2617	2114
3.071		1129	304
3.084		701	316
3.099		788	257
3.112		744	103
3.119		464	75
3.132		14198	6822
3.142		4509	1914
3.17		919	403
3.185		2725	1342
3.206		3710	2943
3.229		1311	795
3.254		19959	14035
3.291		5635	3591
3.319		2034	1024
3.336		4667	2452
3.353		3125	2522
3.403		21061	9657
3.412		13369	5344
3.432		12560	5625
3.446		20122	14927
3.521		25019	16289
3.555		697494	437296
3.578		202192	133026
3.683		452264	327467
3.727		42920	29333
3.757		6778	3212
3.773		173043	114831
3.814		43054	30846
3.853		33445	27292
3.884		142001	84511
3.906		1625913	1074936
3.931		155177	85036
3.95		153908	82789
3.969		290162	179397
4.004		1465108	1043656
4.037		659616	908727
4.115		114506	87665
4.15		562045	437771
4.207		1210689	921836
4.24		333186	251992
4.268		2124178	1645504

RT B	Compound B	Height B	Area B
4.305		143909	143398
4.359		953575	866240
4.397		149349	122128
4.43		1466951	1377302
4.495		869080	795231
4.596		761211	795226
4.65		1016620	880808
4.688		246699	221246
4.727		1651252	1619909
4.774		110026	75332
4.797		47780	32425
4.858		21198	23712
4.914		93238	86076
4.947		85355	57492
4.972		506270	434716
5.021		65685	55029
5.057		53857	45506
5.088		33248	28744
5.119		234135	177509
5.14		150128	115508
5.213		15599	14001
5.354		9901	10214
5.397		229118	249118
5.554		21282	19895
5.599		9369	6207
5.621		17680	13552
5.671		14758	14825
5.775		13118	16328
5.974		31720	34146
6.132	DCB	2786572	2658553
6.254		9536	26598
6.439		2216	4546
6.585		3176	4895
6.78		1545	7503

AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082

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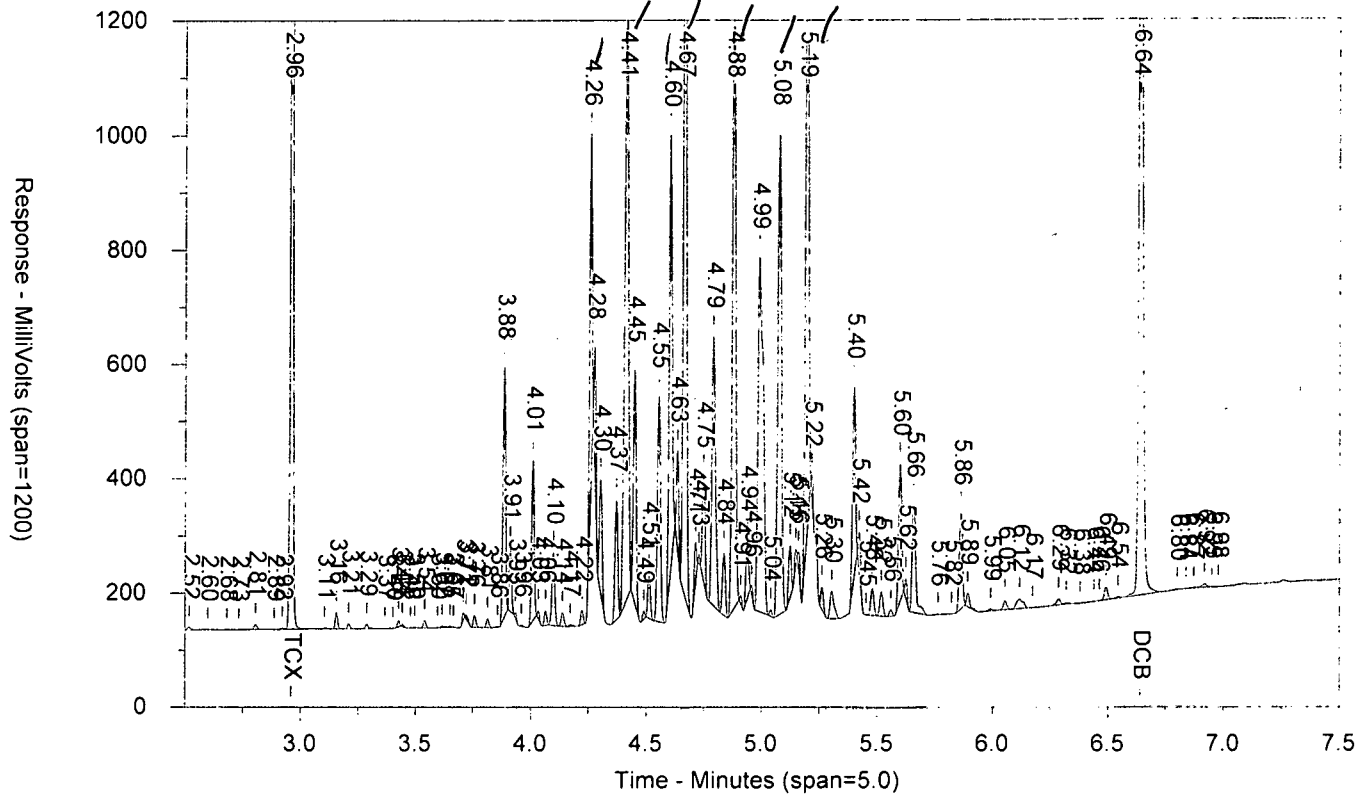

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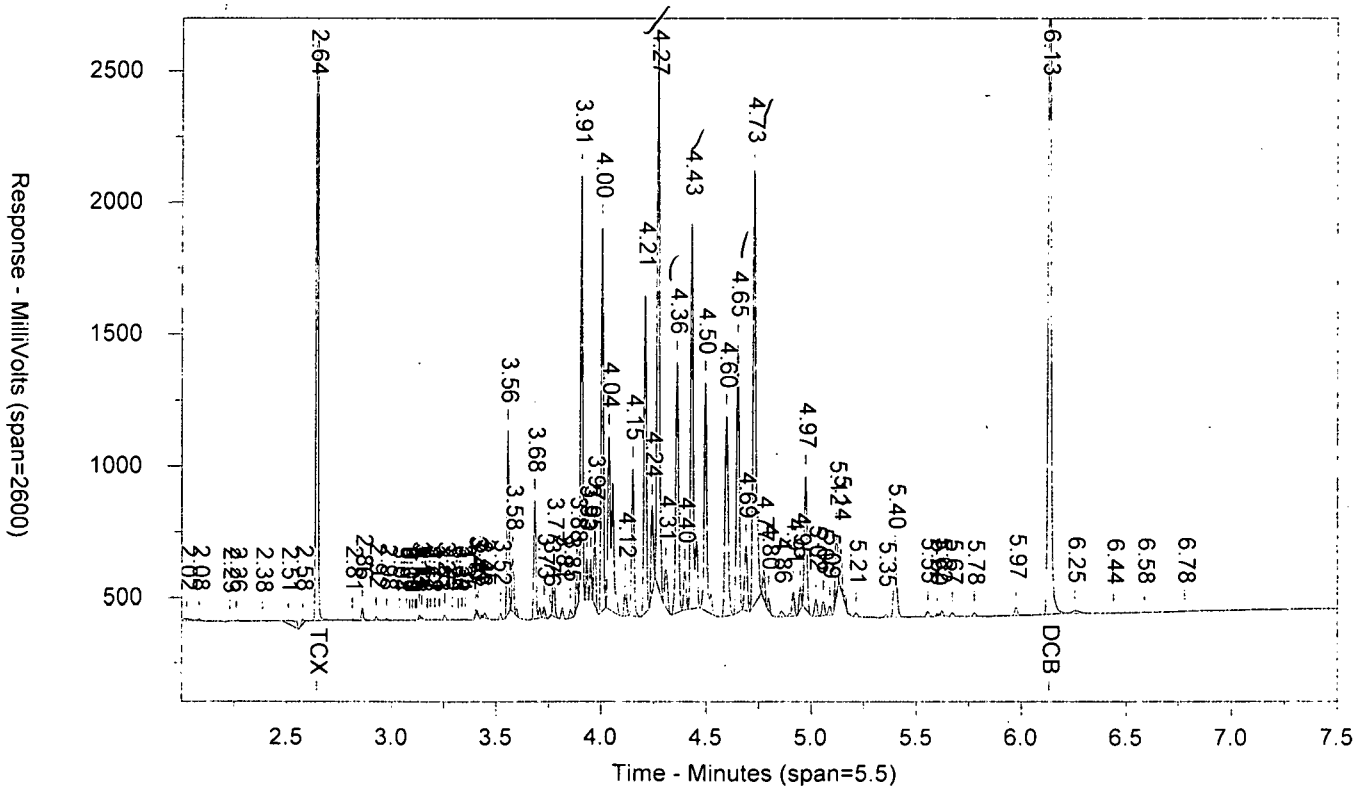

LANCASTER LABORATORIES

Sample Number: AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:46:46 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2155095	18.96	TCX	2.642	3497194	19.565	TCX
6.639	2033158	19.093	DCB	6.132	2786572	18.455	DCB

Files:
Area File: 25pcbs17257002.022.RAW
Area File: 25pcbs17257002B.022.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 7:55:17 PM
File Reported On: 9/14/2017 at 7:55:24 PM

AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082

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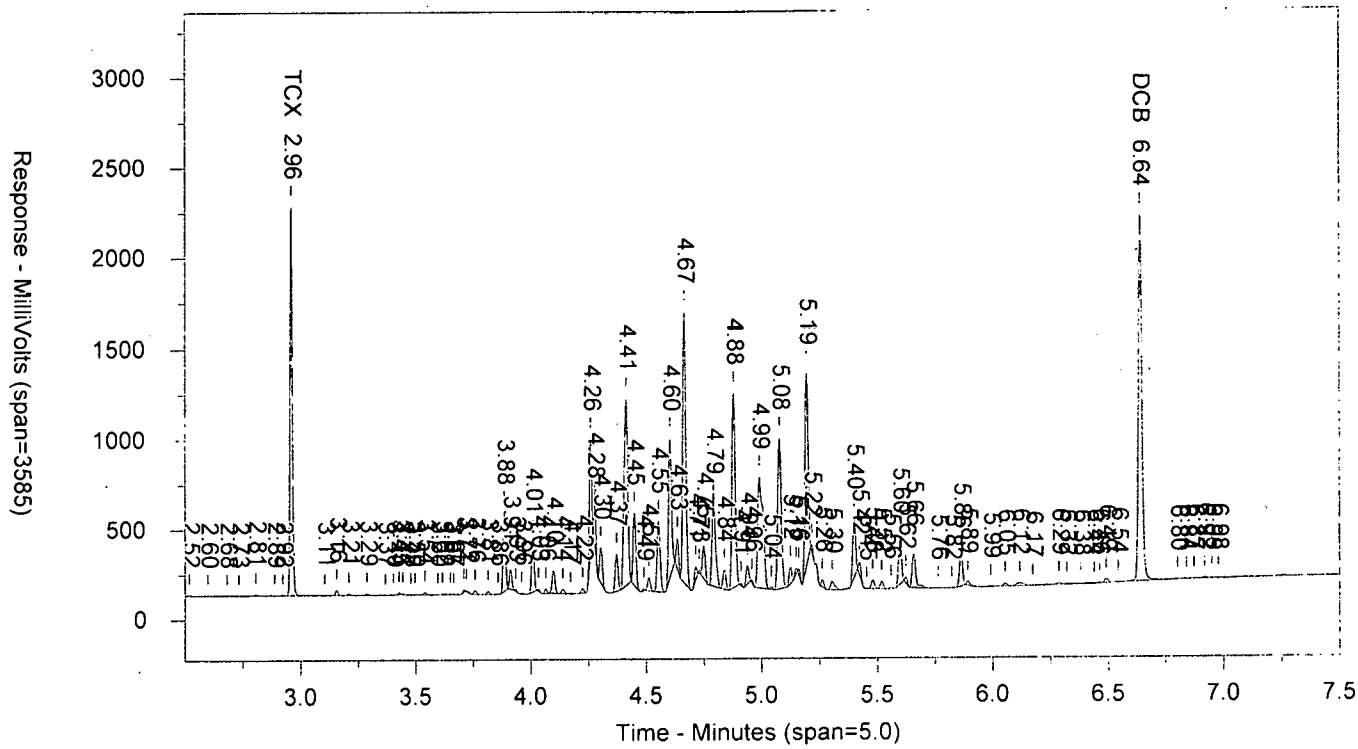

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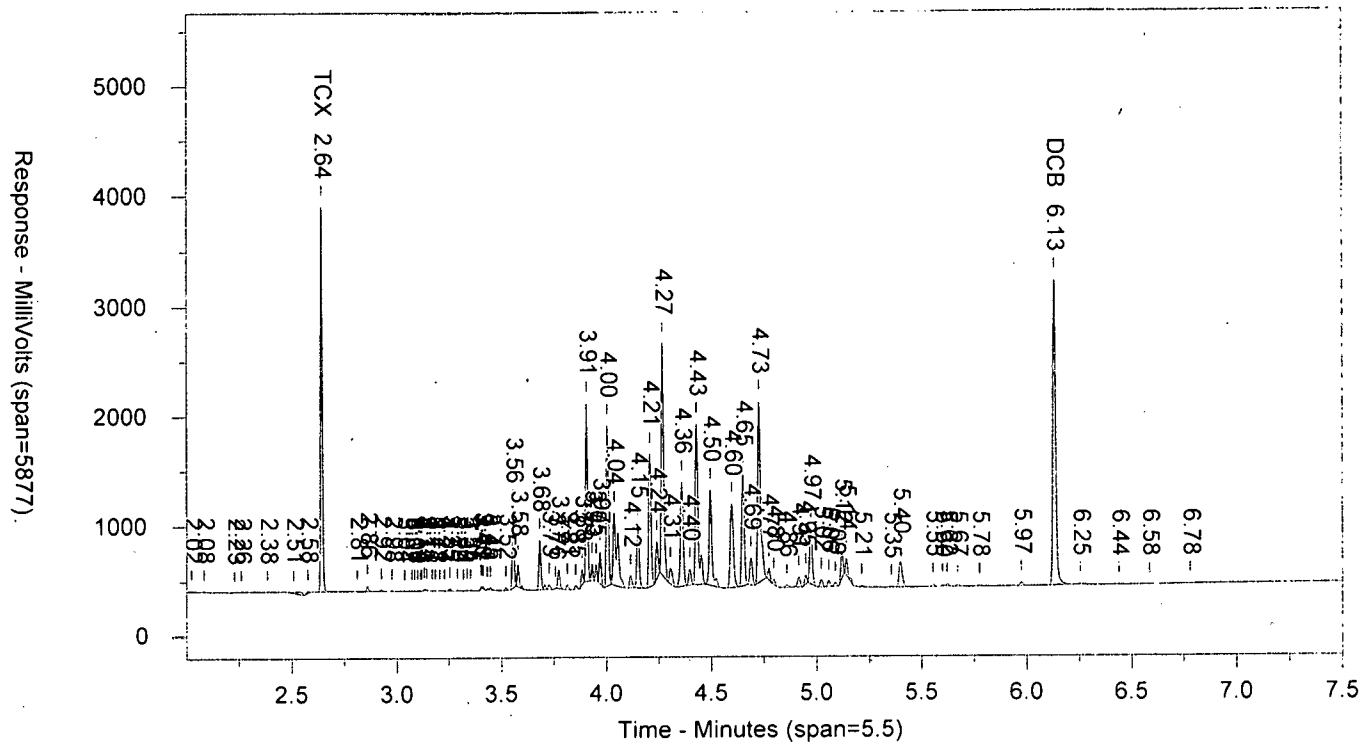

AR5441724B AAAR544AA ICAL 1725699999 10736 SW-846 8082

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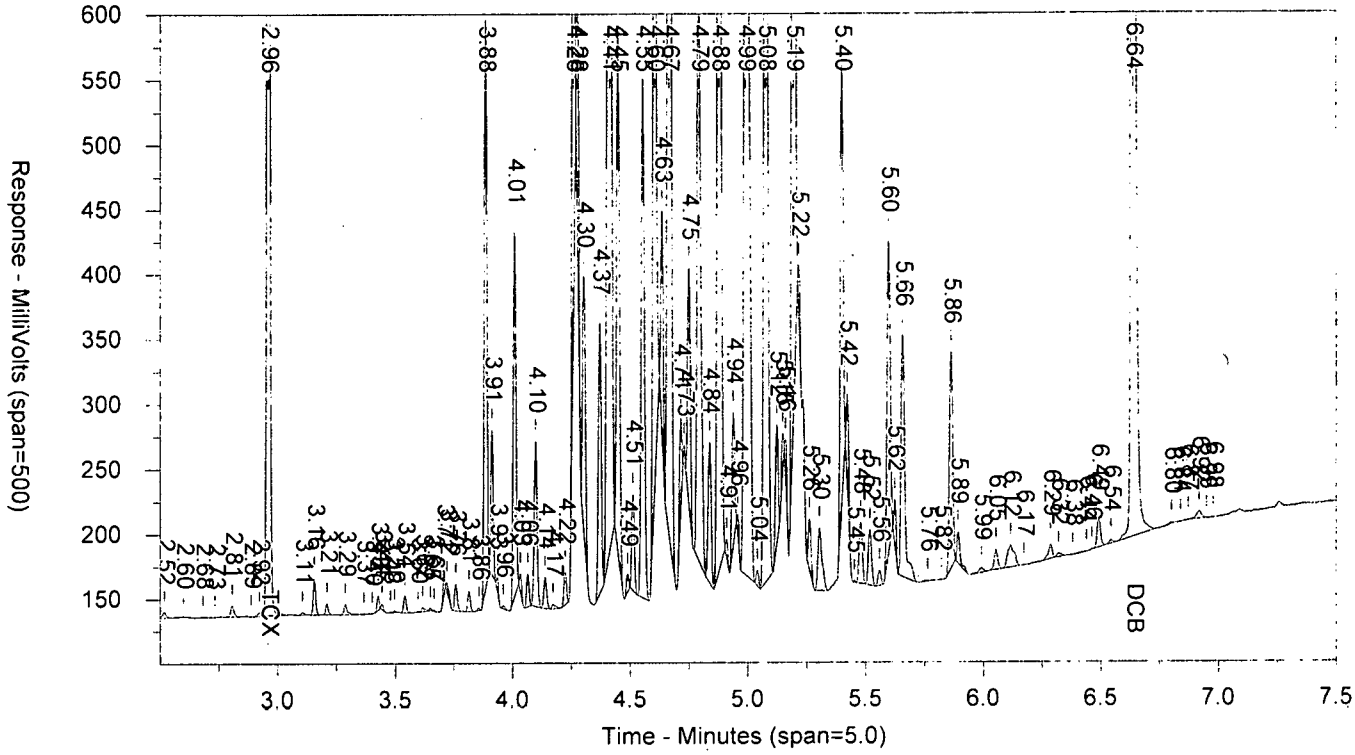

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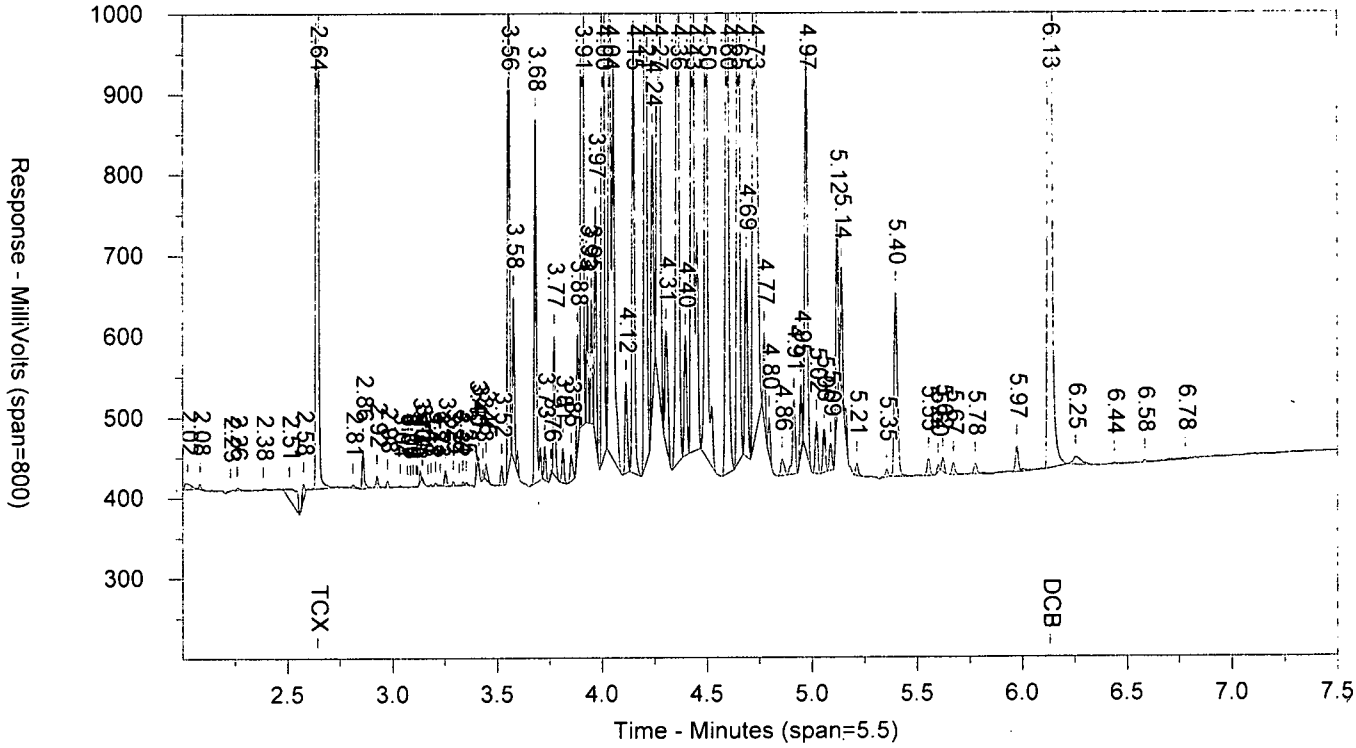

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:58:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.023.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		7690	9229
2.111		5244	13750
2.26		21442	14993
2.358		17448	16912
2.396		1648	1866
2.462		503	379
2.518		5661	6603
2.598		973	2394
2.68		626	634
2.742		444	174
2.764		481	413
2.806		15657	14666
2.873		561	342
2.923		3620	3445
2.96	TCX	4544106	3141755
3.057		1029	1321
3.107		3845	3433
3.156		61791	41862
3.21		17567	13387
3.288		15225	12662
3.361		594	444
3.389		425	86
3.426		22399	13727
3.443		8864	4815
3.48		1774	970
3.496		3486	2894
3.541		26980	21083
3.599		2687	1567
3.618		5964	5435
3.651		5180	2771
3.666		2364	1094
3.709		26344	14235
3.72		15544	12320
3.758		40603	33403
3.815		32784	25470
3.857		4639	2863
3.885		915986	695532
3.912		221559	158027
3.934		18662	9468
3.961		2783	1929
4.008		586481	462208
4.033		29160	16426
4.065		54695	39955
4.098		254602	226395
4.138		50756	43813
4.174		7349	7816
4.224		53049	41111
4.26		1294217	924455
4.277		451585	251732
4.303		396488	331282
4.371		420094	357560
4.414		2321307	2432236
4.449		816105	691561
4.489		29849	19488

RT A	Compound A	Height A	Area A
4.511		144961	121127
4.554		827051	747426
4.604		1642006	1436008
4.635		352296	236654
4.665		3279059	2918054
4.715		124067	96136
4.73		33743	13286
4.749		391319	301173
4.791		945500	1016455
4.837		213127	197550
4.878		2362705	2249589
4.909		32780	20436
4.938		226902	298280
4.99		1229167	1984141
5.041		25530	17940
5.077		1827567	1905926
5.124		187905	144717
5.149		148875	222741
5.195		2632537	3150384
5.261		73955	60881
5.304		100725	121300
5.4		693789	611333
5.423		139834	97631
5.455		3208	1604
5.479		94405	89438
5.518		87777	83826
5.559		23917	21685
5.597		494026	457372
5.623		63216	42533
5.657		366859	399412
5.76		2339	4694
5.82		755	765
5.861		318547	307054
5.892		46862	42432
5.961		1217	1219
5.993		3254	4125
6.054		32644	34771
6.116		35493	71118
6.286		20959	21769
6.324		2441	3484
6.375		564	357
6.392		770	372
6.423		1221	1278
6.463		916	572
6.491		42740	45084
6.547		2656	3282
6.64	DCB	3959244	4210863
6.776		723	284
6.809		1679	2339
6.85		475	95
6.859		763	368
6.919		6200	8749
6.982		734	487

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:58:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.023.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.025		8383	18089
2.083		14873	10050
2.187		3016	3220
2.219		2066	2173
2.264		3295	5509
2.394		2174	6345
2.548		11986	8268
2.575		37454	38116
2.642	TCX	7497873	4206763
2.813		7394	8891
2.86		99282	63873
2.926		29869	19241
2.975		18365	11380
3.037		4389	3943
3.064		471	107
3.086		652	206
3.092		548	220
3.116		567	279
3.132		29288	14078
3.143		7882	2743
3.182		3451	2127
3.206		6943	5327
3.23		2317	1340
3.255		40516	27249
3.292		11562	7720
3.318		4926	2733
3.336		9924	5116
3.354		6007	3844
3.402		81843	82714
3.432		25432	11722
3.447		40802	28264
3.521		50741	34028
3.555		1456409	903223
3.579		417535	269869
3.683		909203	666722
3.727		90791	61018
3.757		15980	6828
3.773		352708	233677
3.814		85701	62229
3.853		67644	56239
3.884		297827	173141
3.906		3442141	2312917
3.932		317091	180179
3.951		300705	162555
3.97		575299	356343
4.005		3144348	2215421
4.037		1377903	1878631
4.116		239979	175969
4.15		1169875	893567
4.207		2586900	1966128
4.241		690157	512278
4.268		4788273	3559004
4.306		297901	293895
4.36		2056254	1794664

RT B	Compound B	Height B	Area B
4.397		309498	246252
4.43		3226353	2879128
4.495		1742959	1611598
4.597		1570091	1618792
4.65		2193934	1872222
4.688		520519	441875
4.727		3487077	3384029
4.774		230971	150773
4.797		96403	63892
4.858		42601	48819
4.915		171418	168004
4.948		144584	106467
4.972		1028119	862328
5.022		128422	111801
5.058		110873	90321
5.088		64375	56847
5.12		511777	369118
5.141		298424	235956
5.214		29471	28707
5.355		19739	19179
5.397		430724	472570
5.554		44167	40089
5.599		20257	13937
5.622		36871	27759
5.671		30071	30114
5.776		28406	23886
5.917		574	3033
5.974		57107	52750
6.132	DCB	5705386	5159654
6.256		9322	24010
6.585		5842	5719
6.72		1809	3673
6.759		1256	1516

AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082

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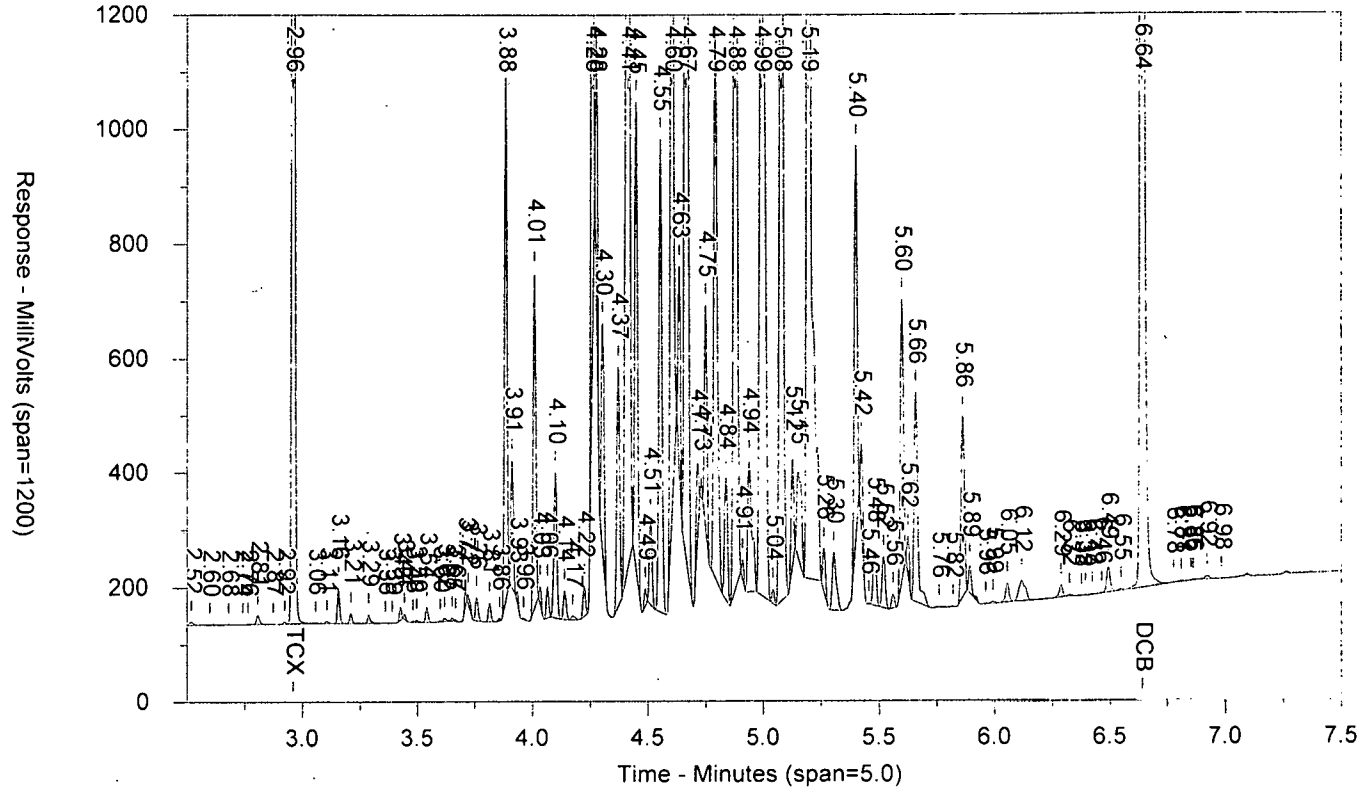

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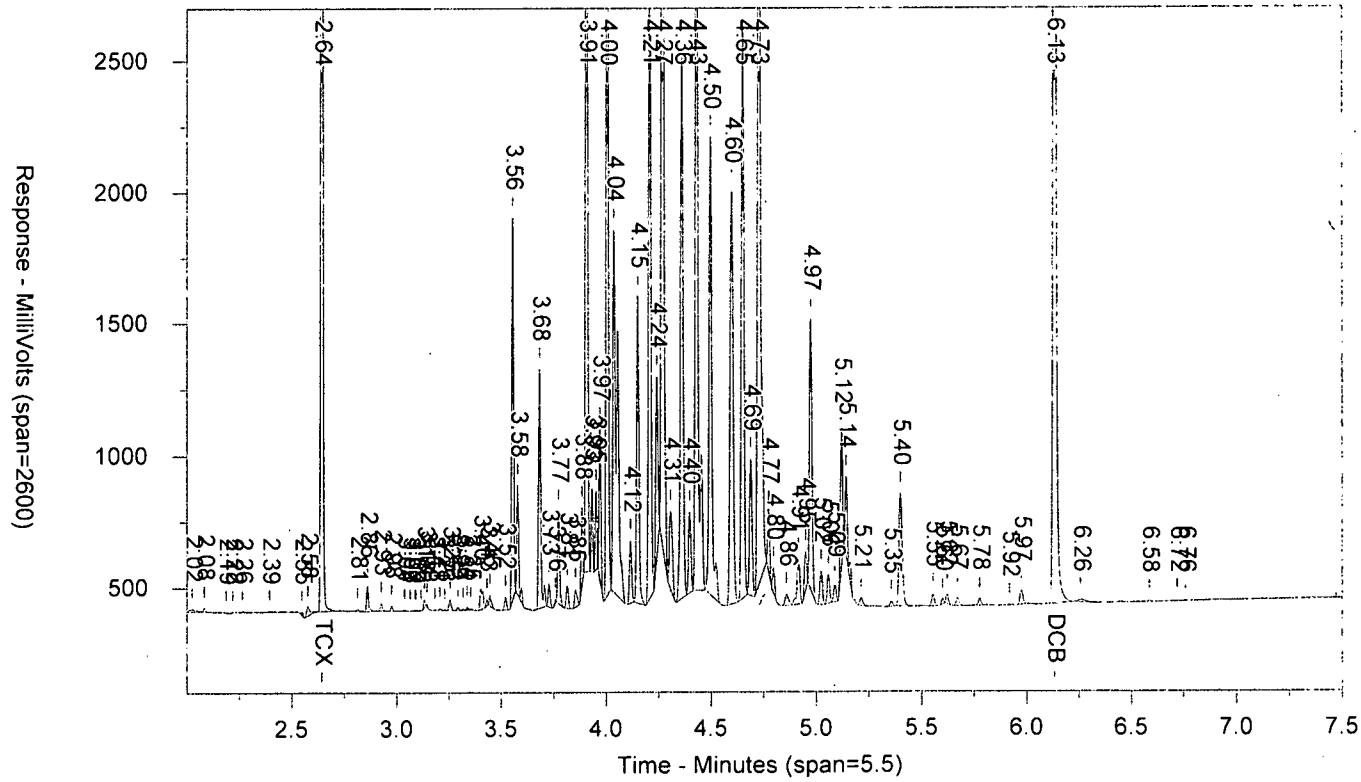

LANCASTER LABORATORIES

Sample Number: AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 7:58:04 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4544106	39.977	TCX	2.642	7497873	41.947	TCX
6.64	3959244	37.18	DCB	6.132	5705386	37.785	DCB

Files:
Area File: 25pcbs17257002.023.RAW
Area File: 25pcbs17257002B.023.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 8:06:36 PM
File Reported On: 9/14/2017 at 8:06:50 PM

AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082

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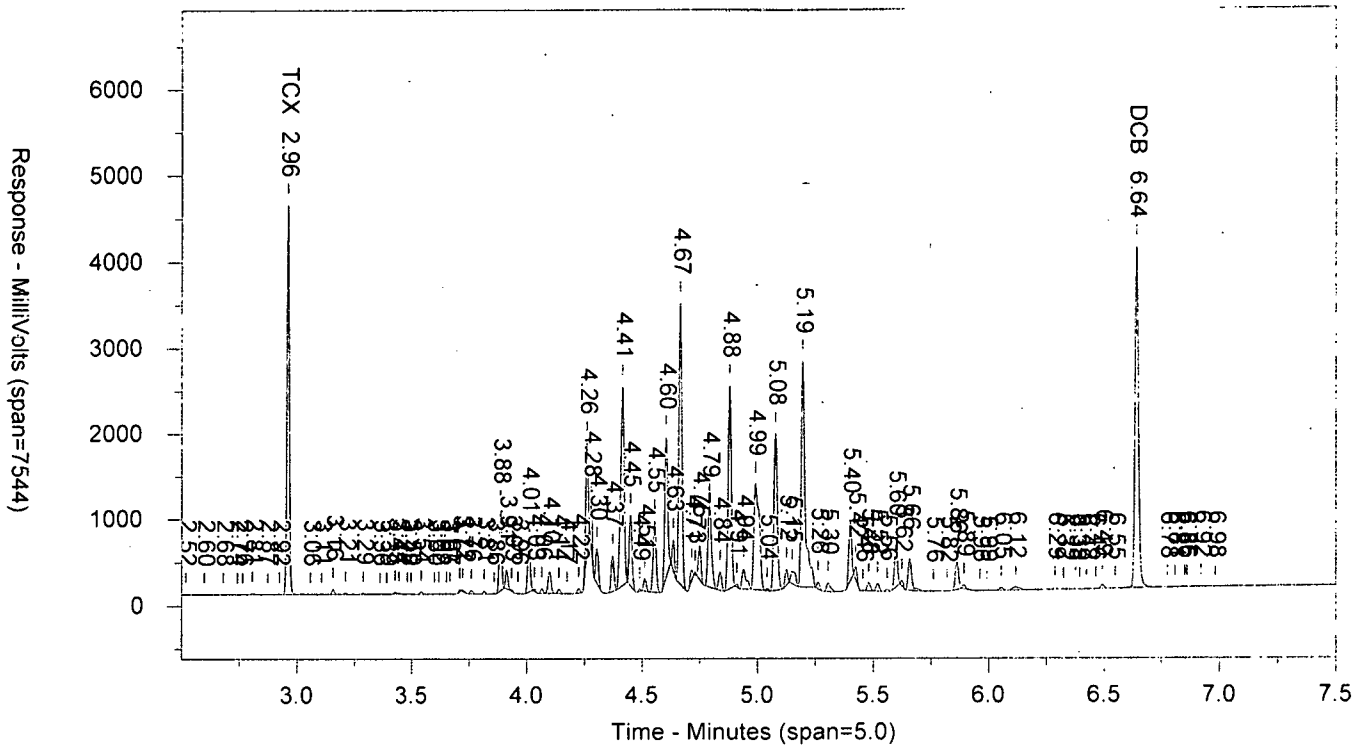

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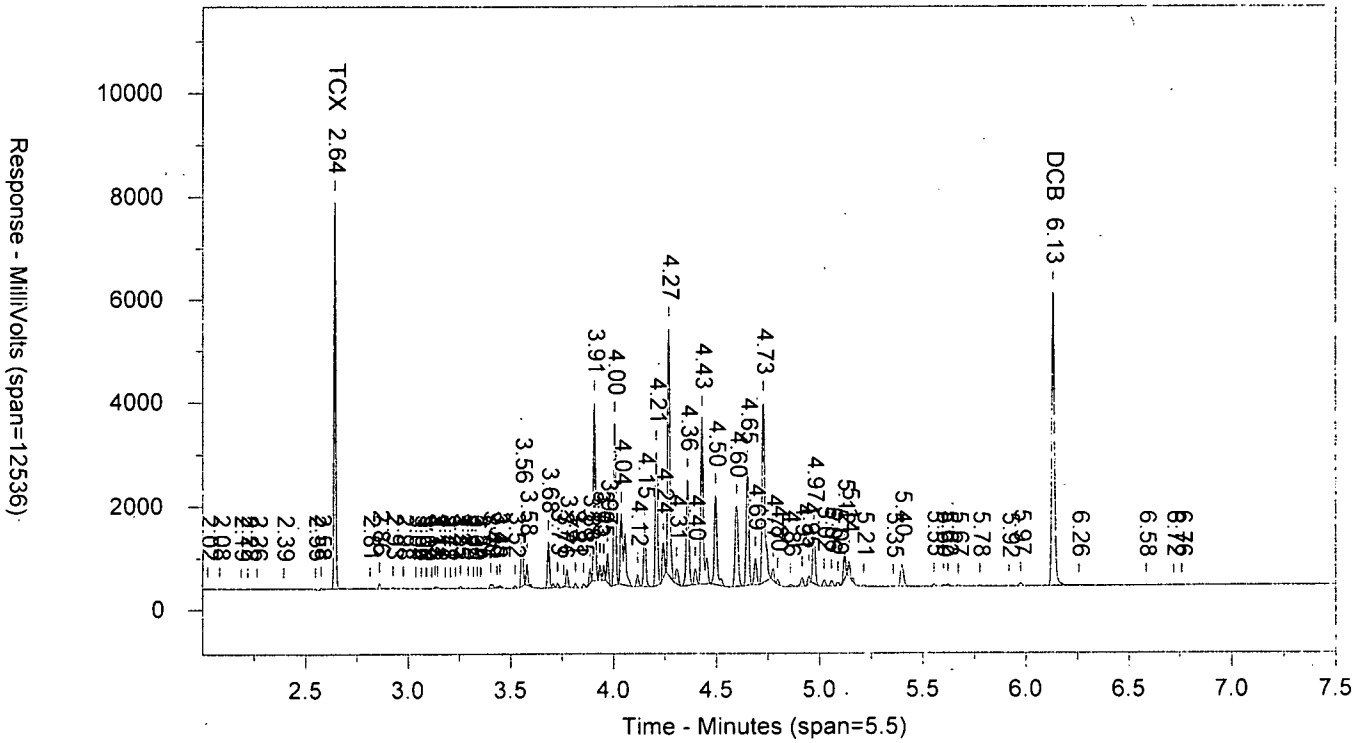

AR5451724B AAAR545AA ICAL 1725699999 10736 SW-846 8082

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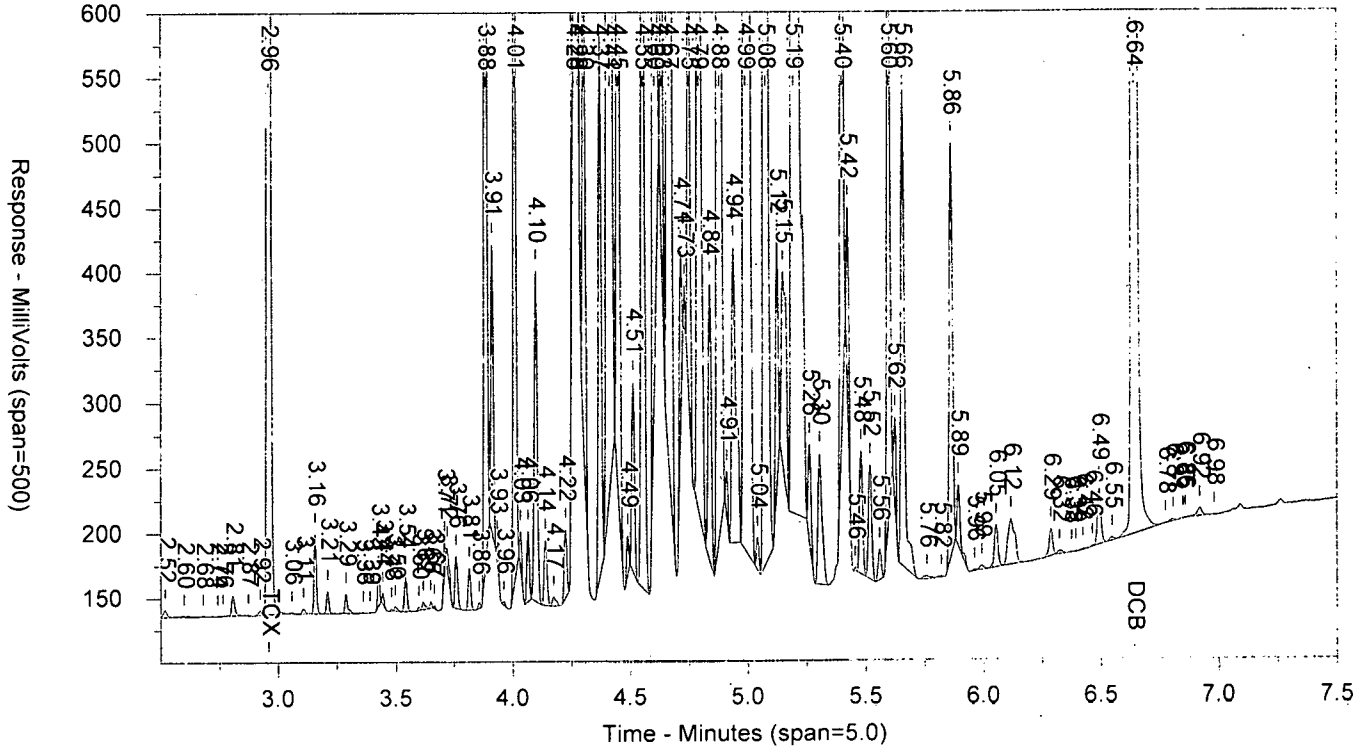

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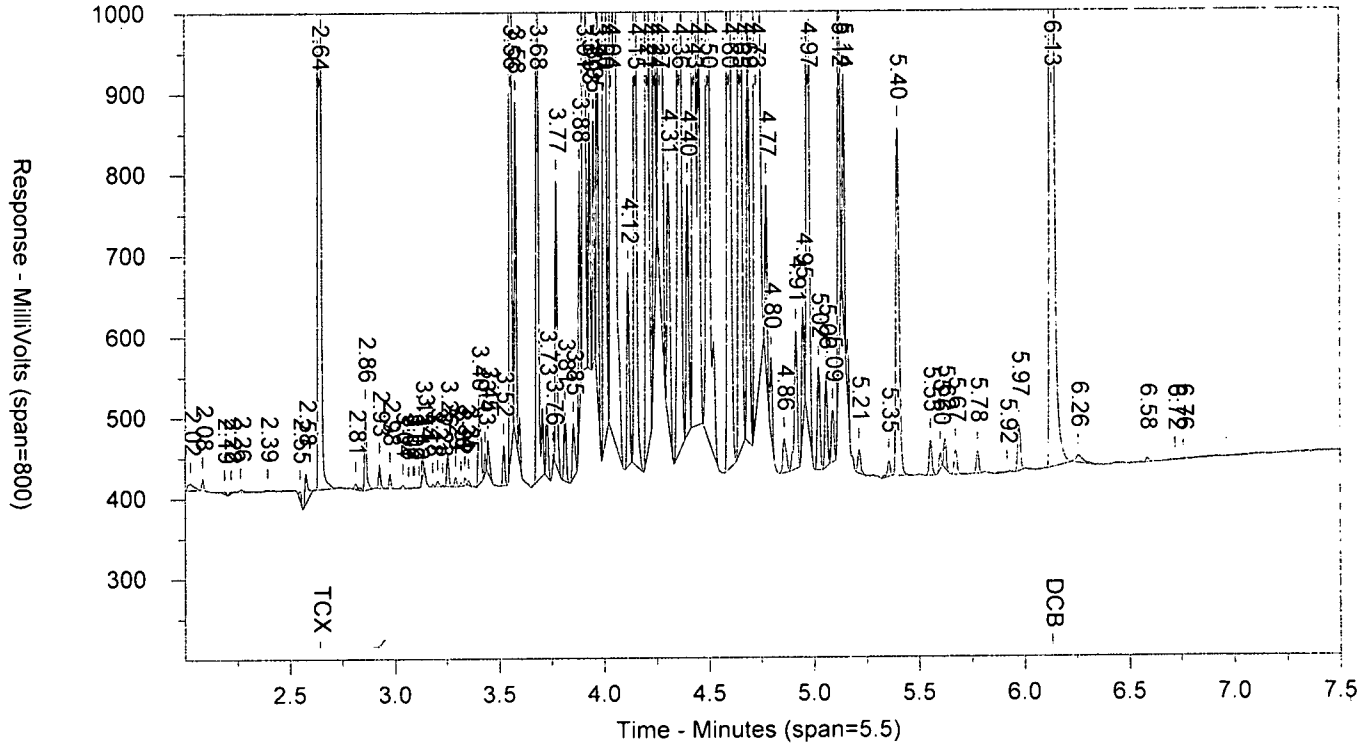


LANCASTER LABORATORIES

Sample Number: AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:09:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.024.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.01		271	98
2.064		7146	9235
2.111		4418	12155
2.26		39653	29452
2.367		17417	18933
2.399		1417	1527
2.459		844	805
2.52		5415	6775
2.598		736	765
2.785		281	188
2.807		7891	6832
2.859		338	165
2.872		705	464
2.891		480	212
2.924		2826	2523
2.961	TCX	8827655	6046197
3.057		994	744
3.108		6478	6132
3.158		108067	77315
3.212		32191	23418
3.29		24304	20620
3.352		640	642
3.402		456	344
3.428		39277	24374
3.446		15317	8555
3.483		2961	1513
3.499		6066	5067
3.544		47138	36802
3.602		3298	2102
3.621		12415	9133
3.655		9204	5218
3.67		4341	2167
3.713		42361	24750
3.724		24378	21592
3.762		75942	60815
3.819		59383	45186
3.861		7980	5169
3.888		1618114	1207938
3.915		383440	268870
3.938		31316	16007
3.964		2543	1529
4.012		1021607	796433
4.037		51038	28394
4.068		91891	69991
4.102		444833	389804
4.143		91932	76743
4.177		12697	13811
4.228		94201	71986
4.263		2327792	1596041
4.281		794551	442293
4.307		702139	572201
4.376		732300	613230
4.418		4154307	4361891
4.453		1480493	1229450

RT A	Compound A	Height A	Area A
4.493		54586	35168
4.515		245340	205018
4.557		1466746	1307556
4.607		2914646	2602389
4.639		614781	429684
4.669		6102711	5338592
4.719		231466	161075
4.734		53306	21008
4.753		676383	537669
4.795		1757315	1805659
4.841		387382	347594
4.881		4370853	4130609
4.912		58204	37576
4.942		404796	514727
4.994		2322506	3537491
5.045		48068	33455
5.08		3370989	3543848
5.127		327622	258982
5.151		260211	398975
5.198		4559479	3976876
5.219		155488	80093
5.237		124000	77910
5.264		126649	99785
5.308		175685	216262
5.403		1265970	1096312
5.425		233522	152366
5.457		6209	2985
5.482		163971	158047
5.521		152284	151384
5.561		47697	41996
5.6		931904	849319
5.625		106571	73974
5.661		646272	718258
5.758		3724	5211
5.819		1169	1270
5.864		570757	555797
5.895		85428	78196
5.962		2798	3047
5.994		3214	3784
6.056		63701	67046
6.119		65378	134296
6.212		358	166
6.247		563	741
6.29		39673	39861
6.335		3164	4247
6.429		1633	2390
6.466		1163	1031
6.495		79503	85367
6.55		2337	2636
6.644	DCB	7787284	8233850
6.762		366	198
6.781		600	353
6.791		580	187
6.805		819	537
6.88		525	704
6.924		6096	8043
6.99		760	402

LANCASTER LABORATORIES

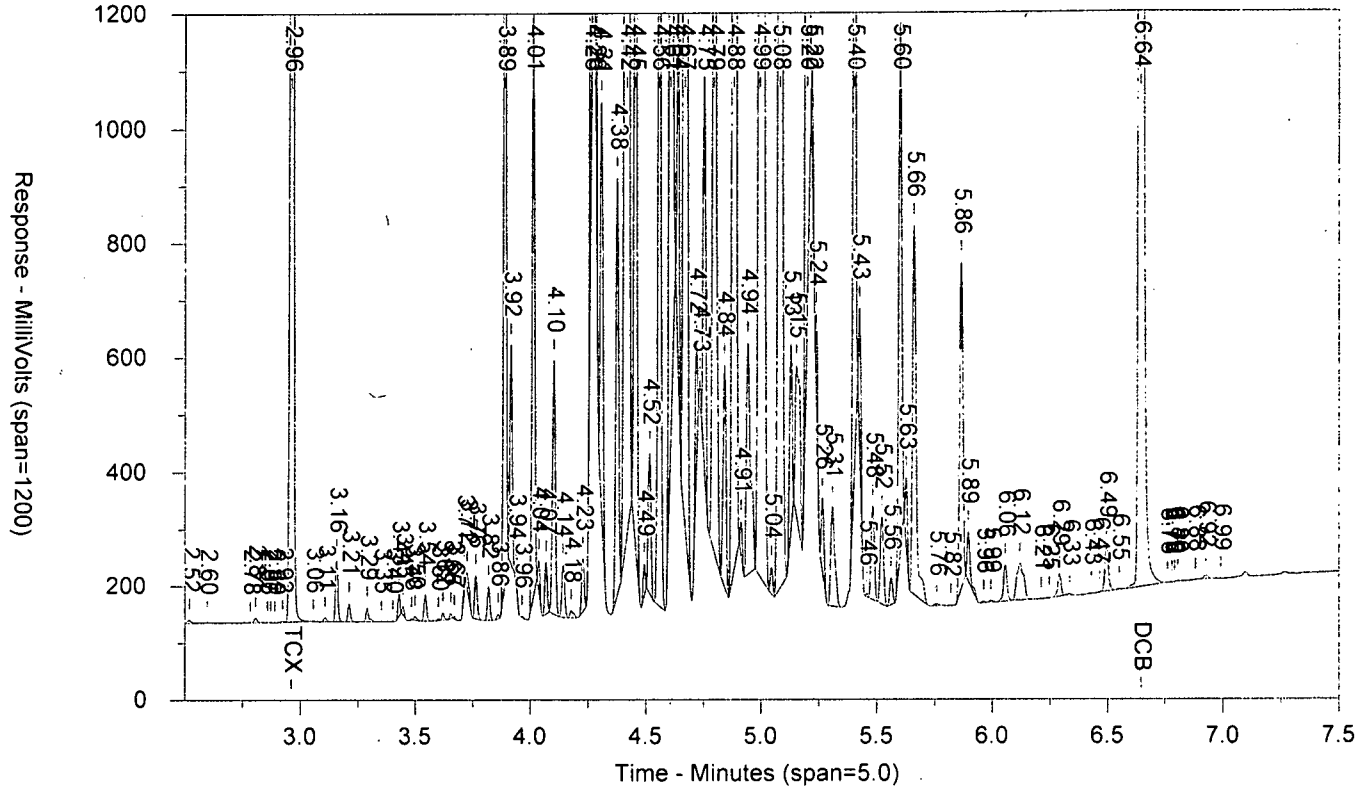
Sample Number: AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:09:53 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.024.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		7525	16084
2.082		27922	19726
2.176		2863	4699
2.216		2311	1759
2.232		1167	637
2.266		3008	4613
2.389		1590	2728
2.544		11634	8442
2.575		21488	18893
2.642	TCX	14283840	8168927
2.812		12622	11158
2.859		174851	109289
2.925		53208	35278
2.975		33400	20150
3.036		7347	5128
3.073		539	128
3.084		626	140
3.09		511	95
3.098		803	261
3.113		590	106
3.132		53449	26774
3.143		14614	5062
3.184		7075	4315
3.206		12479	7625
3.23		4093	2213
3.255		71465	49701
3.292		21624	13736
3.32		4995	2589
3.337		16791	8478
3.353		8518	4542
3.403		136136	143008
3.433		43474	20640
3.448		70773	51493
3.523		90200	59870
3.557		2610085	1574702
3.581		715856	466036
3.685		1611357	1148612
3.73		147724	103884
3.76		28126	13872
3.776		610729	399186
3.817		148893	107559
3.855		117387	97712
3.886		529729	315147
3.908		6258368	4178167
3.934		597795	342598
3.953		530952	290506
3.972		1026865	623381
4.008		5549440	3966724
4.039		2531048	3321686
4.118		410333	299932
4.153		2078871	1571470
4.21		4920043	3589182
4.243		1263763	931609
4.271		9074043	6534089

RT B	Compound B	Height B	Area B
4.309		525215	510668
4.362		3777118	3241507
4.399		558279	434793
4.432		5945449	5281951
4.498		3220632	2914823
4.599		2996152	2935839
4.652		4359890	3558923
4.69		923485	787399
4.729		6463337	6304443
4.776		406899	276363
4.86		76505	86250
4.917		301614	299528
4.95		285445	196225
4.975		1914336	1598687
5.024		229253	200023
5.059		185847	158467
5.09		115389	102042
5.121		969747	704935
5.142		602951	460833
5.215		53930	50812
5.283		3871	4780
5.334		3208	1856
5.357		34425	28844
5.399		809332	867801
5.502		3613	4715
5.556		80150	72705
5.601		34790	25252
5.623		62125	47279
5.673		56934	49788
5.777		53130	53579
5.932		2570	3702
5.975		110274	103080
6.134	DCB	11667780	10105220
6.259		7500	13946
6.473		1958	4031
6.588		11176	13415
6.718		1767	3341

AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082

—— \\USLAN-CHROMPERFECT\CHROMPERFECT-DATA\DEPT-24\ACTIVE\CP25\25pcbs17257002.024.RAW



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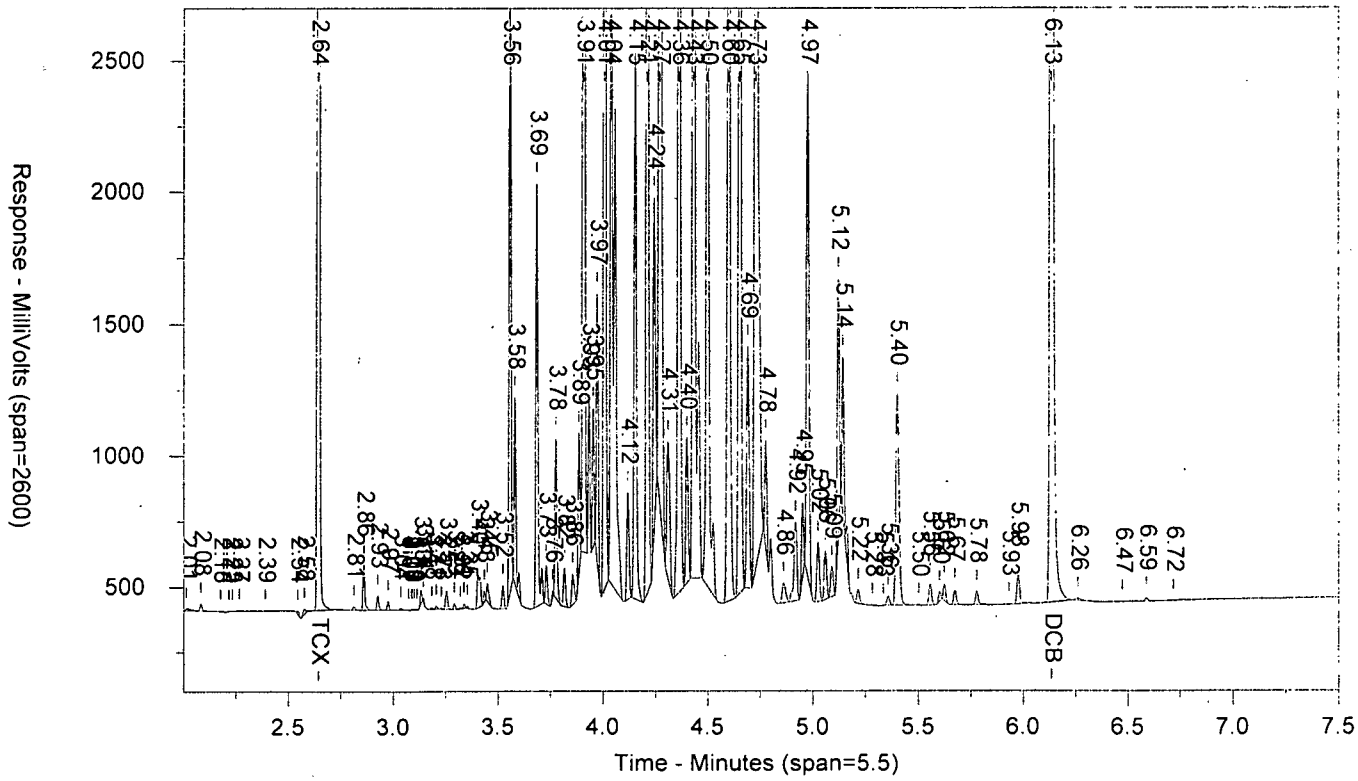

LANCASTER LABORATORIES

Sample Number: AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:09:53 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.961	8827655	77.662	TCX	2.642	14283840	79.911	TCX
6.644	7787284	73.129	DCB	6.134	11667780	77.272	DCB

Files:
Area File: 25pcbs17257002.024.RAW
Area File: 25pcbs17257002B.024.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 8:18:25 PM
File Reported On: 9/14/2017 at 8:18:35 PM

AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082

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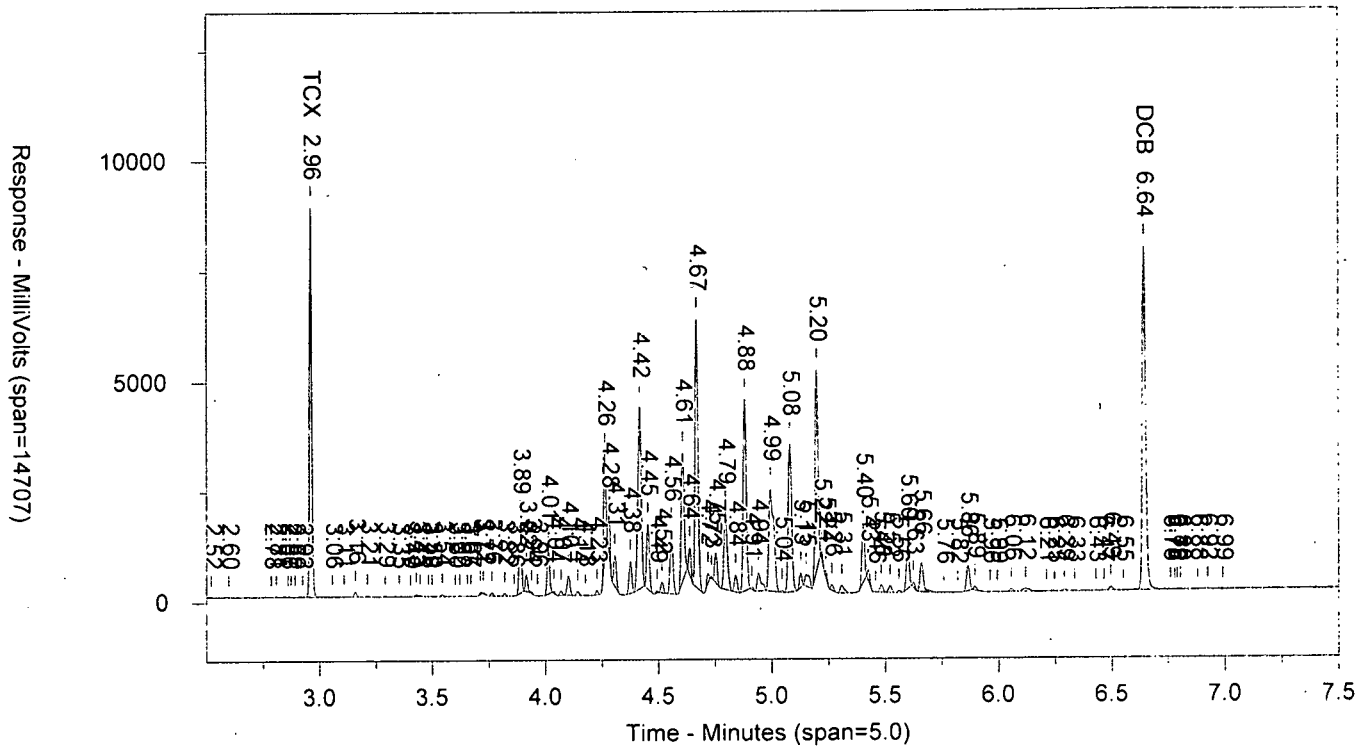

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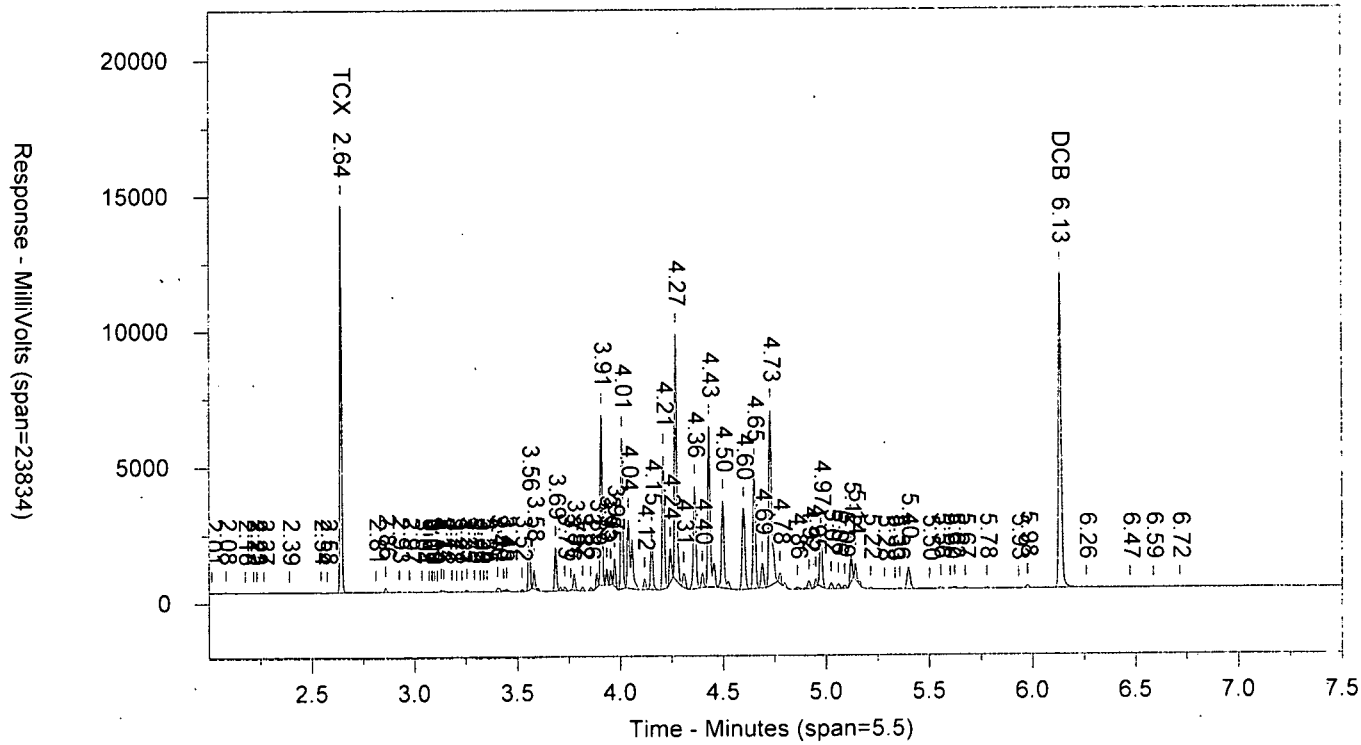

AR5461724A AAAR546AA ICAL 1725699999 10736 SW-846 8082

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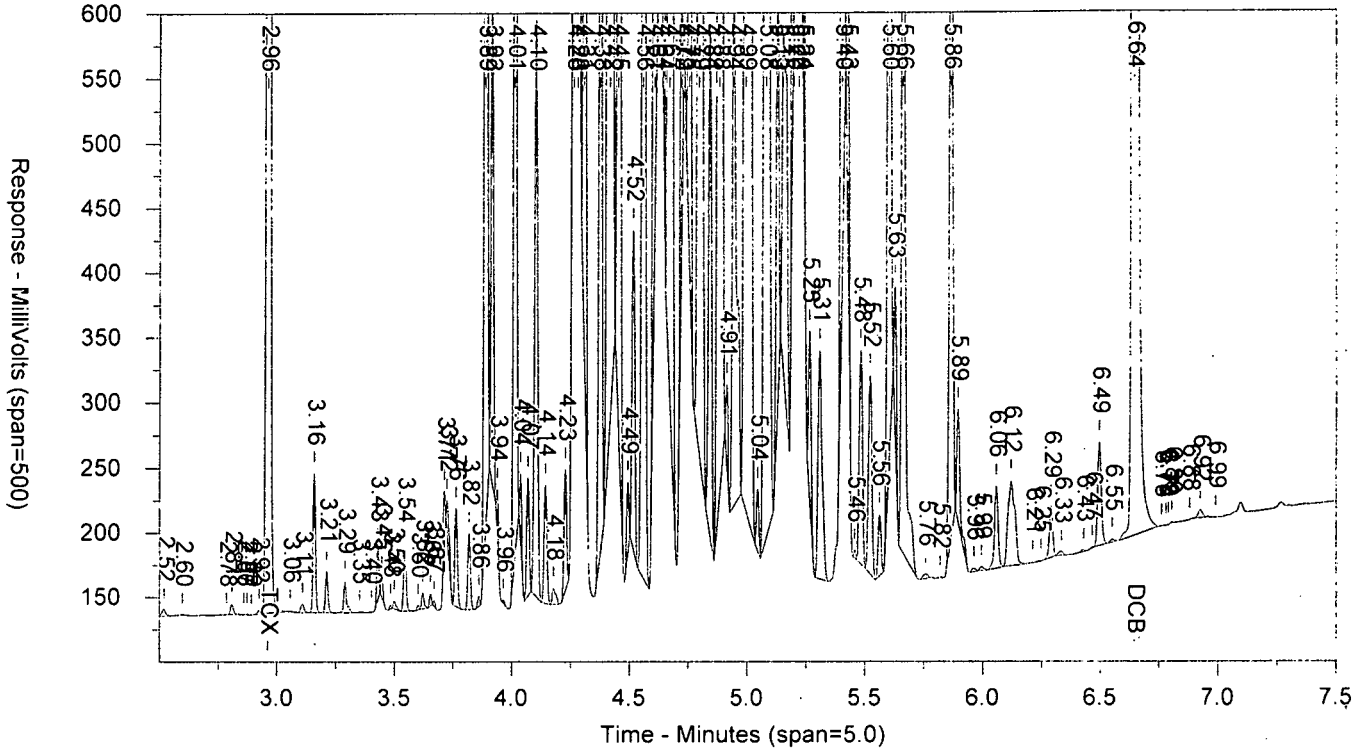

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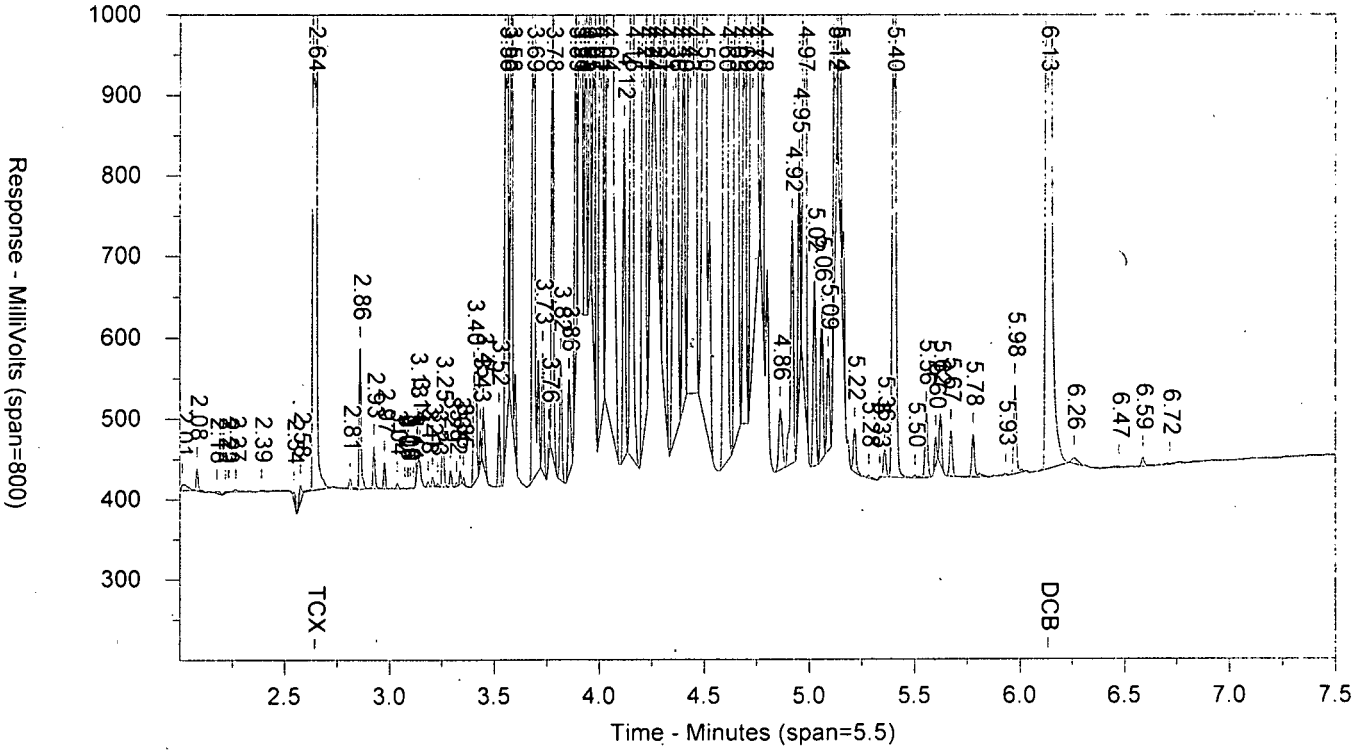

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:21:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.025.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.064		7683	9369
2.113		4630	9066
2.172		2808	2571
2.245		500	566
2.287		277	162
2.333		436	224
2.36		17623	12917
2.394		1381	2379
2.487		312	109
2.519		5523	6246
2.579		2486	3492
2.617		3779	2959
2.71		2565	2380
2.763		365	206
2.783		320	127
2.808		18070	17851
2.925		4054	4184
2.957	TCX	3216	3244
3.054		741	979
3.111		1544	1651
3.165		1902	1449
3.19		979	605
3.213		11098	7861
3.292		3896	6247
3.397		371	227
3.43		13029	7897
3.447		6070	3443
3.483		1514	908
3.501		377	142
3.513		771	477
3.546		17949	13744
3.637		2331	2863
3.656		2794	1442
3.672		1708	827
3.715		8078	4551
3.726		13499	6987
3.764		22472	18240
3.821		17126	12930
3.855		1561	1789
3.89		19160	14585
3.919		11750	16331
3.967		4524	4410
4.015		16430	12896
4.039		3638	2169
4.07		4575	3189
4.103		14550	17190
4.145		3357	2525
4.192		1298	1146
4.229		2392	1653
4.265		125020	119182
4.307		17184	13566
4.378		10184	7350
4.42		150493	180041
4.455		10955	7918

RT A	Compound A	Height A	Area A
4.497		693	463
4.532		2123	3259
4.558		25006	23459
4.626		125052	145141
4.671		71269	63787
4.72		422669	469218
4.757		64774	46707
4.796		724142	720548
4.841		5288	4313
4.884		53496	59177
4.917		2761	1643
4.944		104814	100029
4.996		866136	1024791
5.046		392474	378952
5.086		363486	491226
5.166		45718	40655
5.199		800283	852530
5.244		8458	4319
5.267		1169090	1164648
5.309		528627	517390
5.363		3503	3590
5.401		197555	157419
5.428		1033216	1036931
5.484		416333	395371
5.522		167451	201768
5.568		42312	46027
5.608		188360	197471
5.662		2598482	2795158
5.82		805	1288
5.866		1562656	1555060
5.922		768288	1133466
5.995		3607	4921
6.058		80352	83727
6.137		387605	477368
6.206		624	299
6.229		465	287
6.248		531	356
6.292		939898	978427
6.338		57455	54734
6.416		278	438
6.461		555	801
6.496		366497	388153
6.55		3041	3166
6.619		4956	6059
6.646	DCB	8944	7757
6.71		1515	2150
6.753		445	313
6.808		2495	4349
6.85		443	115
6.88		457	499
6.924		6073	9080
6.971		481	120
6.992		640	511

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:21:41 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.025.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		8735	20648
2.184		5287	6578
2.234		2072	4732
2.259		2880	5162
2.373		6434	10145
2.465		5722	21087
2.55		6343	6631
2.575		37196	37922
2.686		1741	893
2.7		2937	1621
2.729		1525	3525
2.814		3826	6036
2.873		6331	8169
2.926		20109	11818
2.949		2333	1220
3.038		2713	1694
3.075		835	213
3.088		800	159
3.099		875	411
3.11		481	127
3.115		824	161
3.133		14669	6633
3.144		7673	3124
3.185		2591	1499
3.213		2386	2438
3.234		1426	790
3.255		26615	18350
3.293		3736	3054
3.339		6278	3178
3.355		3447	4302
3.405		15412	7089
3.415		24366	10567
3.449		28128	23127
3.524		28112	19349
3.559		32232	19429
3.583		27232	33985
3.687		29702	20335
3.71		9754	5495
3.731		6910	4250
3.761		8516	4465
3.778		16038	10956
3.819		8654	7012
3.867		6734	6096
3.888		9621	5116
3.91		176560	126792
3.936		17365	11925
3.974		19766	12655
4.009		212846	158292
4.043		22472	22260
4.077		43422	34335
4.154		28272	33238
4.212		46652	40414
4.254		150054	90571
4.285		631230	468086

RT B	Compound B	Height B	Area B
4.312		152765	158915
4.363		1033750	861903
4.407		9499	7856
4.435		43494	27571
4.457		158913	122016
4.5		1272497	1054150
4.604		1136509	1056625
4.657		204772	173749
4.696		369136	303117
4.73		748689	634720
4.762		1621757	1292291
4.801		688613	590573
4.901		340195	314606
4.952		1618276	1494876
5.025		630975	676023
5.061		206678	161035
5.09		197226	155962
5.144		3424826	3034929
5.185		39760	28567
5.217		219456	195899
5.335		52326	35791
5.357		1315463	1105265
5.404		2295833	2339977
5.557		108790	99176
5.601		16946	10402
5.624		68565	56772
5.673		520896	477928
5.778		1268800	1125453
5.81		69108	47626
5.879		2102	3209
5.977		494542	472075
6.137	DCB	16127	15975
6.266		12440	43829
6.623		1722	2466
6.968		1355	8017

AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082

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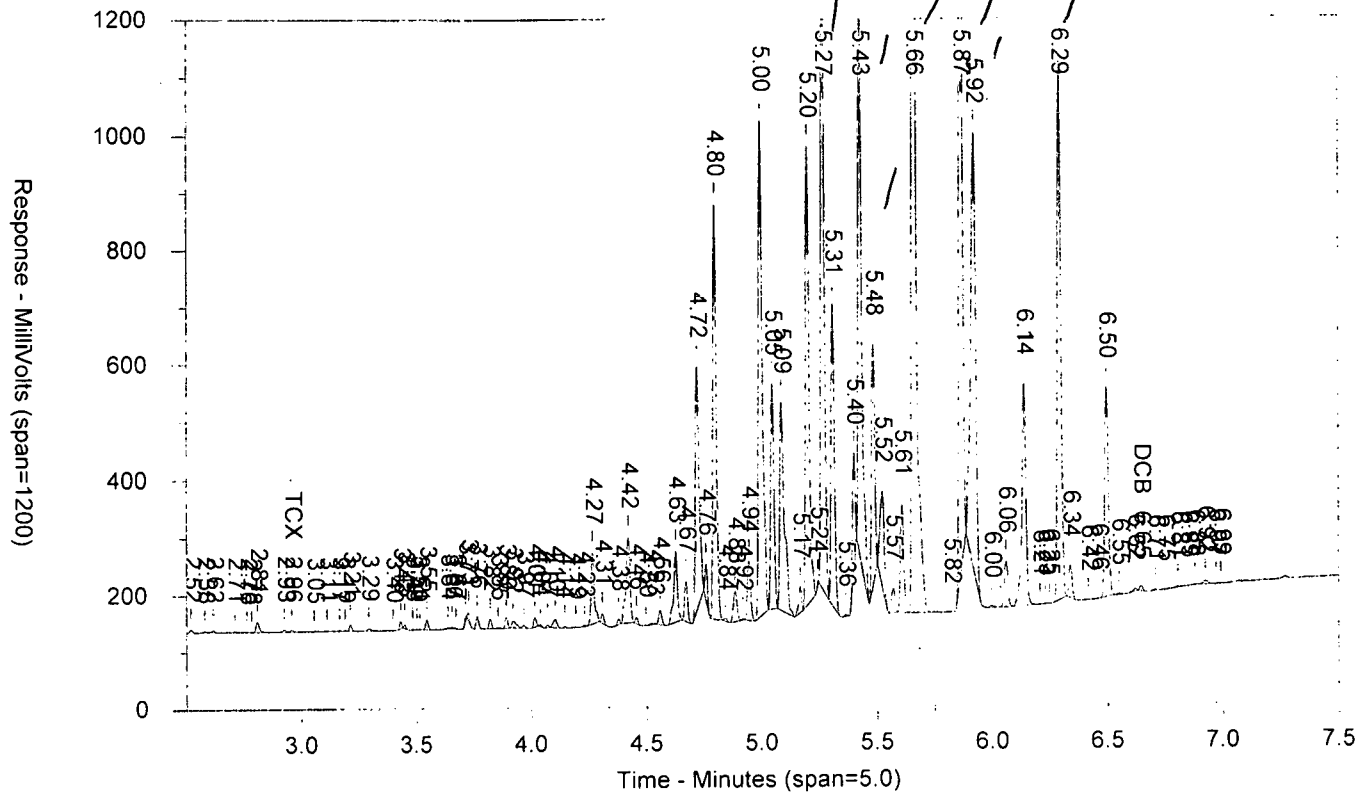

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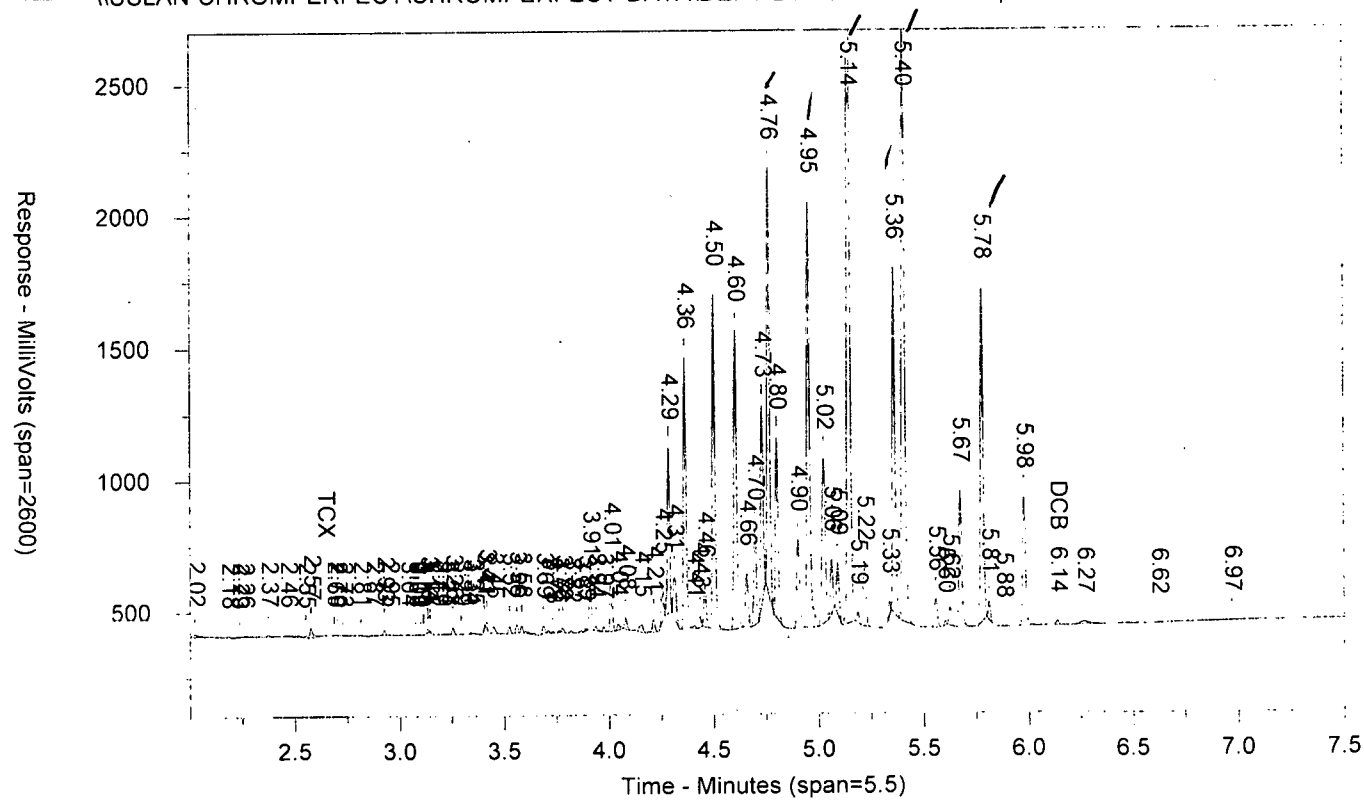

LANCASTER LABORATORIES

Sample Number: AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:21:41 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.957	3216	.028	TCX		0		TCX
6.646	8944	.084	DCB	6.137	16127	.107	DCB

Files:
Area File: 25pcbs17257002.025.RAW
Area File: 25pcbs17257002B.025.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 8:30:11 PM
File Reported On: 9/14/2017 at 8:30:23 PM

AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082

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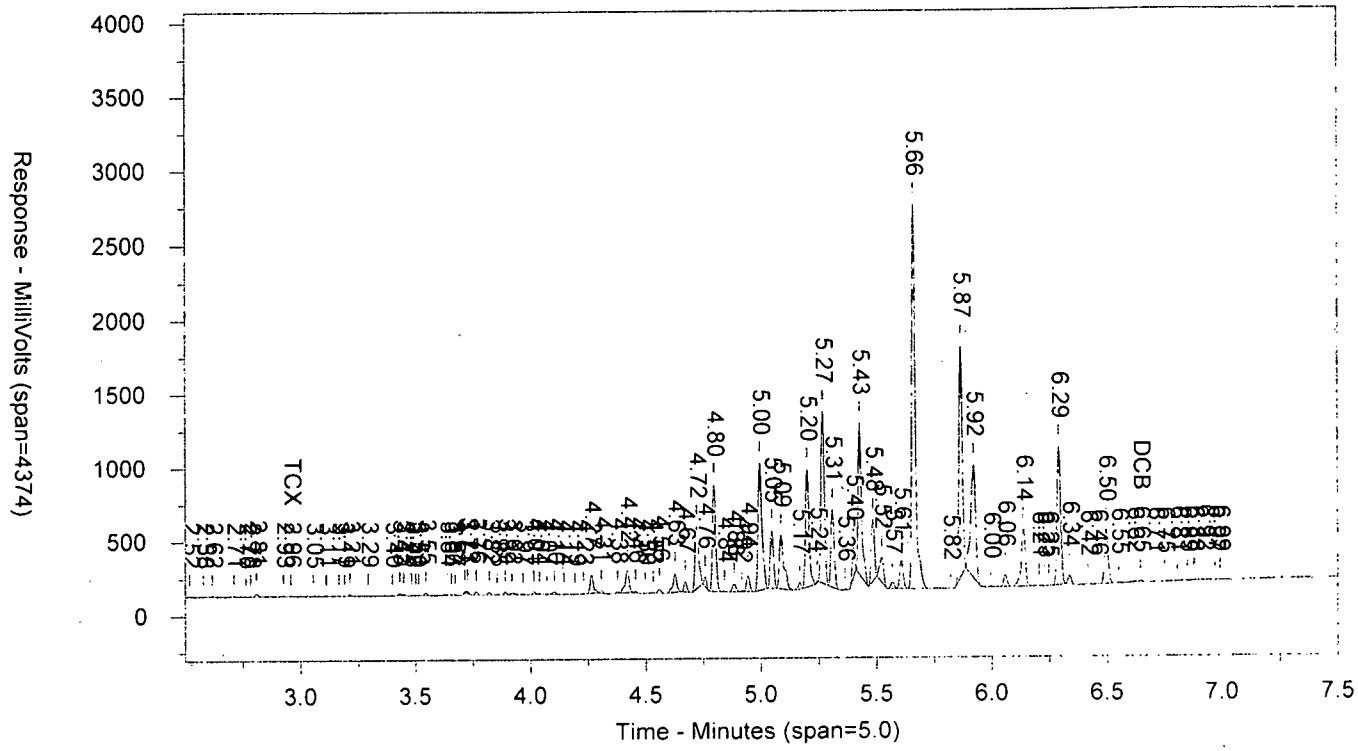

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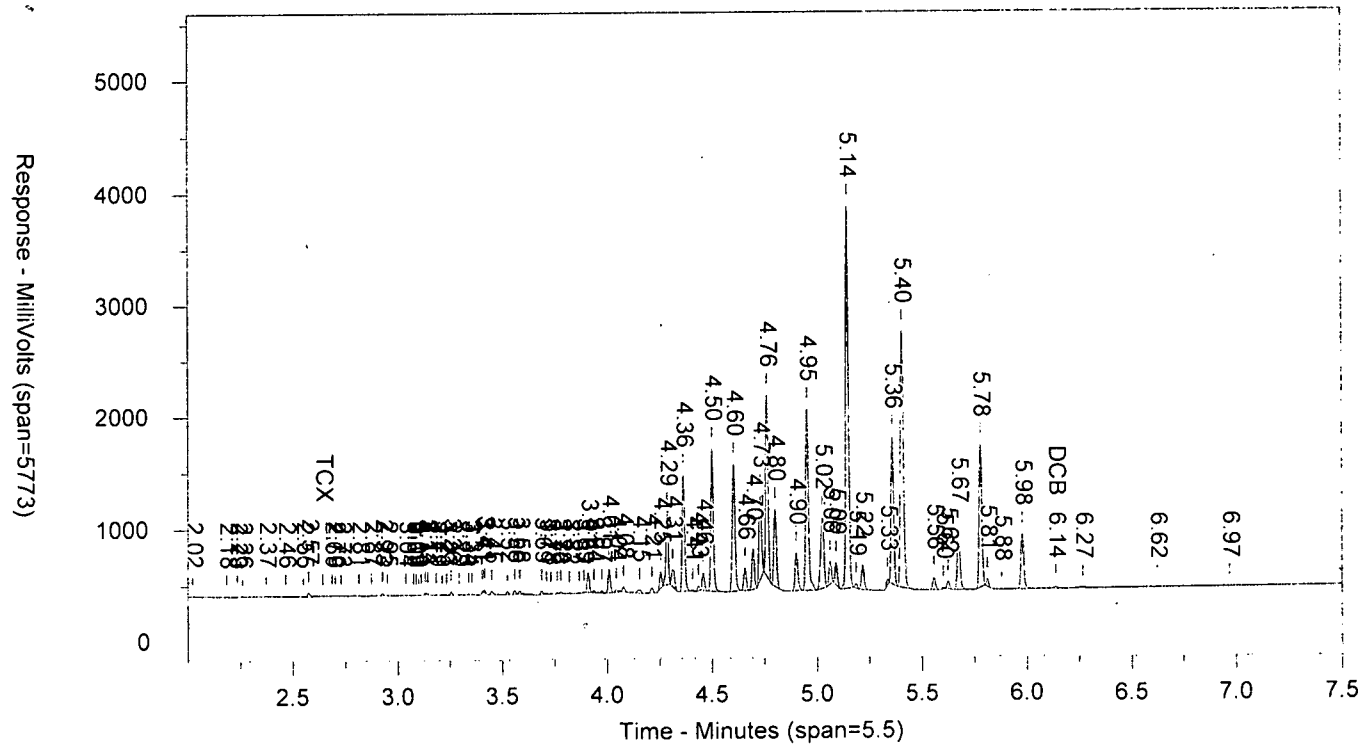

AR6231724A AAAR623AA ICAL 1725699999 10736 SW-846 8082

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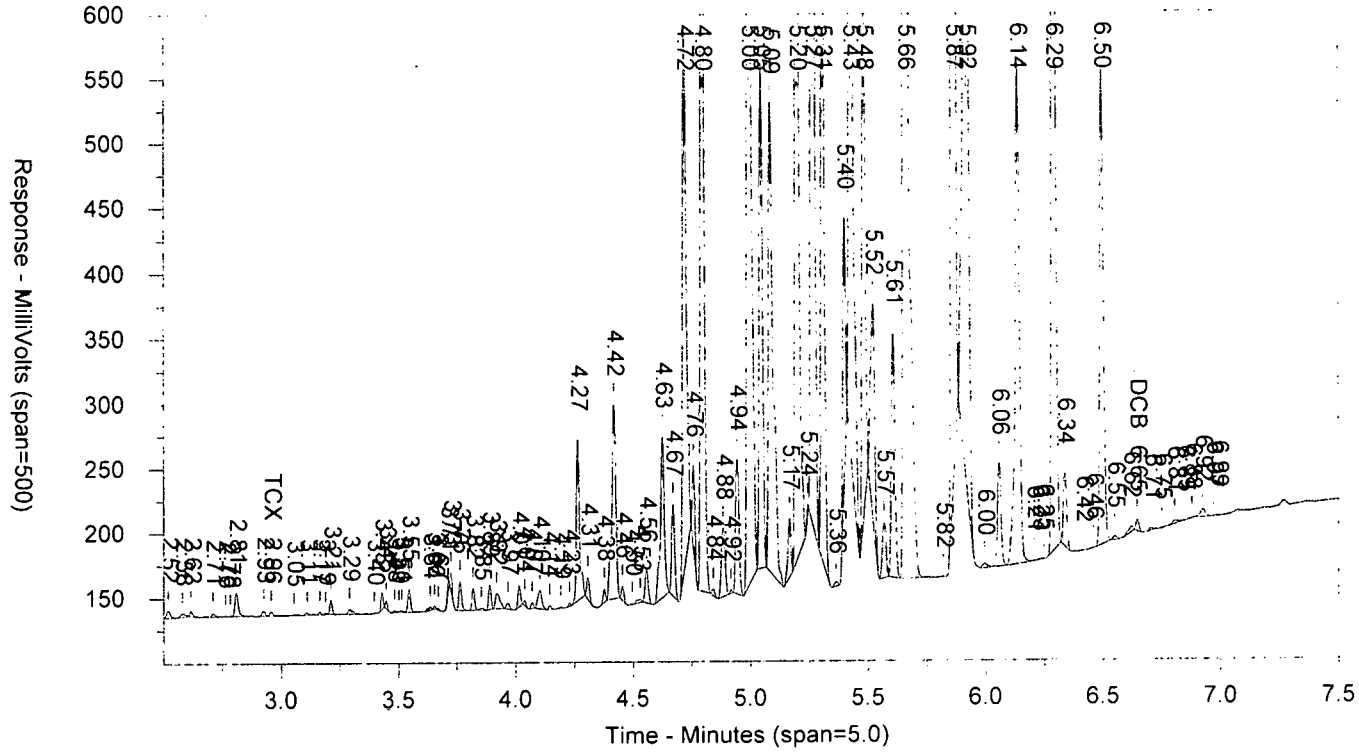

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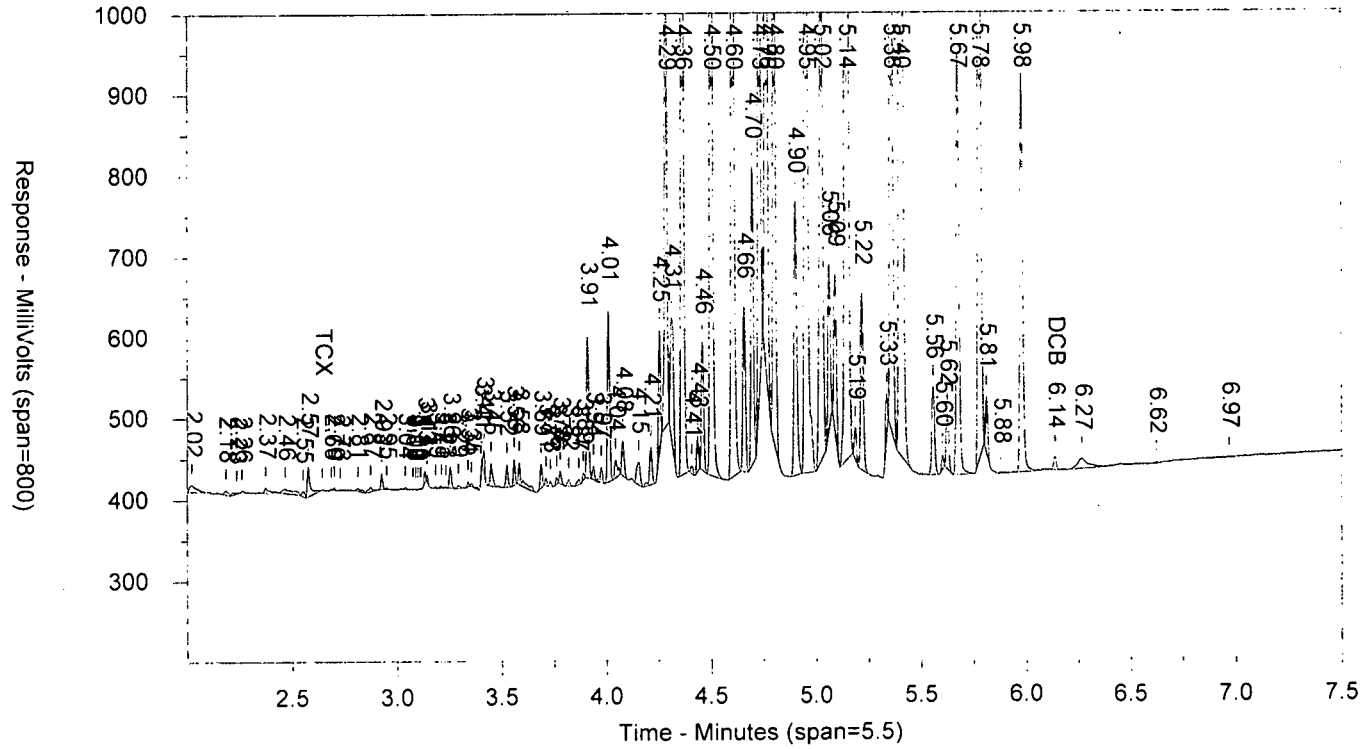

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:32:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.026.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.01		233	117
2.063		10917	12592
2.111		4554	12258
2.248		599	1645
2.318		473	223
2.358		48946	34689
2.393		1856	3421
2.467		1042	913
2.517		7852	9062
2.582		870	1654
2.614		623	380
2.683		819	890
2.719		291	247
2.762		588	407
2.782		650	264
2.806		8174	7531
2.875		667	488
2.923		5843	6214
2.957	TCX	636	663
2.992		598	359
3.055		721	1058
3.104		591	559
3.166		412	231
3.209		1856	1573
3.288		4842	5208
3.366		423	545
3.424		2393	1618
3.442		1069	624
3.48		574	245
3.514		502	353
3.54		4645	4343
3.632		4717	5444
3.708		13303	16567
3.759		6575	6121
3.814		5024	3658
3.861		1107	1178
3.885		5536	4338
3.912		3506	5041
3.959		5980	5957
4.008		6267	4463
4.031		1946	1461
4.065		2400	1675
4.097		6816	7543
4.138		2860	2063
4.188		444	247
4.223		814	468
4.243		1989	1119
4.256		4479	2628
4.278		6150	3727
4.299		11839	9964
4.364		1904	3124
4.406		8898	7512
4.426		2266	1204
4.446		855	673

RT A	Compound A	Height A	Area A
4.511		2052	1889
4.551		18421	17491
4.606		6244	6112
4.643		3906	3843
4.664		3296	2202
4.715		2792	2318
4.749		5736	5141
4.79		4028	4043
4.834		8579	8553
4.877		9595	9500
4.914		15604	17848
4.991		2222	1768
5.004		3869	3406
5.041		31067	29355
5.076		9184	7680
5.099		1630	947
5.153		5640	5749
5.194		16818	15832
5.236		7339	5166
5.261		422239	428899
5.303		32105	27906
5.361		8281	11305
5.395		20144	15505
5.442		547461	602872
5.478		2732	1120
5.505		169755	175804
5.562		17733	20423
5.601		4785	4657
5.657		232761	201536
5.682		123443	98371
5.758		1650	1572
5.861		2835739	2805904
5.919		2484219	2729299
5.989		5688	6848
6.052		2369089	2382431
6.116		620921	692534
6.198		739	600
6.242		374	190
6.286		1040302	1056771
6.332		4594	3501
6.369		13208	14438
6.428		1047	946
6.49		7902152	8386428
6.572		1786	1291
6.638	DCB	1561698	1705827
6.7		3453	3056
6.801		3573	6719
6.86		839	1116
6.882		591	335
6.918		4807	6074
6.951		3419	3135

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:32:58 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.026.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.02		8629	27168
2.141		1571	1770
2.233		3989	7412
2.262		3520	3888
2.349		1180	655
2.393		2797	3540
2.463		1134	745
2.494		1821	6825
2.558		2361	3612
2.575		15401	13042
2.649	TCX	1355	3145
2.73		2010	1852
2.864		3848	6780
2.928		2809	3261
3.069		380	182
3.088		762	439
3.1		891	128
3.109		366	113
3.145		2650	2687
3.157		873	360
3.174		494	81
3.183		370	84
3.213		2155	2524
3.255		6026	4860
3.298		2441	2959
3.337		1400	1079
3.357		12644	8495
3.404		3369	2504
3.412		5546	2327
3.447		5849	5767
3.52		8510	6578
3.556		8226	5420
3.579		10687	7757
3.683		13127	14431
3.773		11267	22943
3.813		5833	5235
3.864		10323	8023
3.885		8011	6353
3.908		11926	7959
3.932		13226	9505
3.971		1686	1351
4.005		5136	3229
4.042		11124	9564
4.07		5715	3837
4.142		25831	32470
4.184		8727	6713
4.204		4949	3068
4.241		4700	6321
4.267		9360	12915
4.361		13593	14127
4.399		13938	10341
4.43		11148	8369
4.471		22008	21671
4.495		10474	7574

RT B	Compound B	Height B	Area B
4.599		55973	51332
4.651		15831	13419
4.691		24612	22242
4.729		4472	4508
4.758		600659	532742
4.796		40639	29133
4.895		37979	33134
4.945		809999	744174
5.011		234202	215650
5.071		7321	4482
5.09		13072	9772
5.139		370202	342003
5.212		216963	200844
5.294		3392	3260
5.33		23299	14573
5.353		3835848	3239692
5.401		3763970	3275170
5.552		3154453	2845105
5.62		823204	732931
5.669		98452	86806
5.774		1423443	1291089
5.899		7454	11092
5.973		11765620	10291580
6.131	DCB	2262421	2114942
6.258		8395	18336
6.309		4008	3171
6.467		5933	7014
6.704		1966	3298
6.818		1466	1513
6.891		1842	3016

AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082

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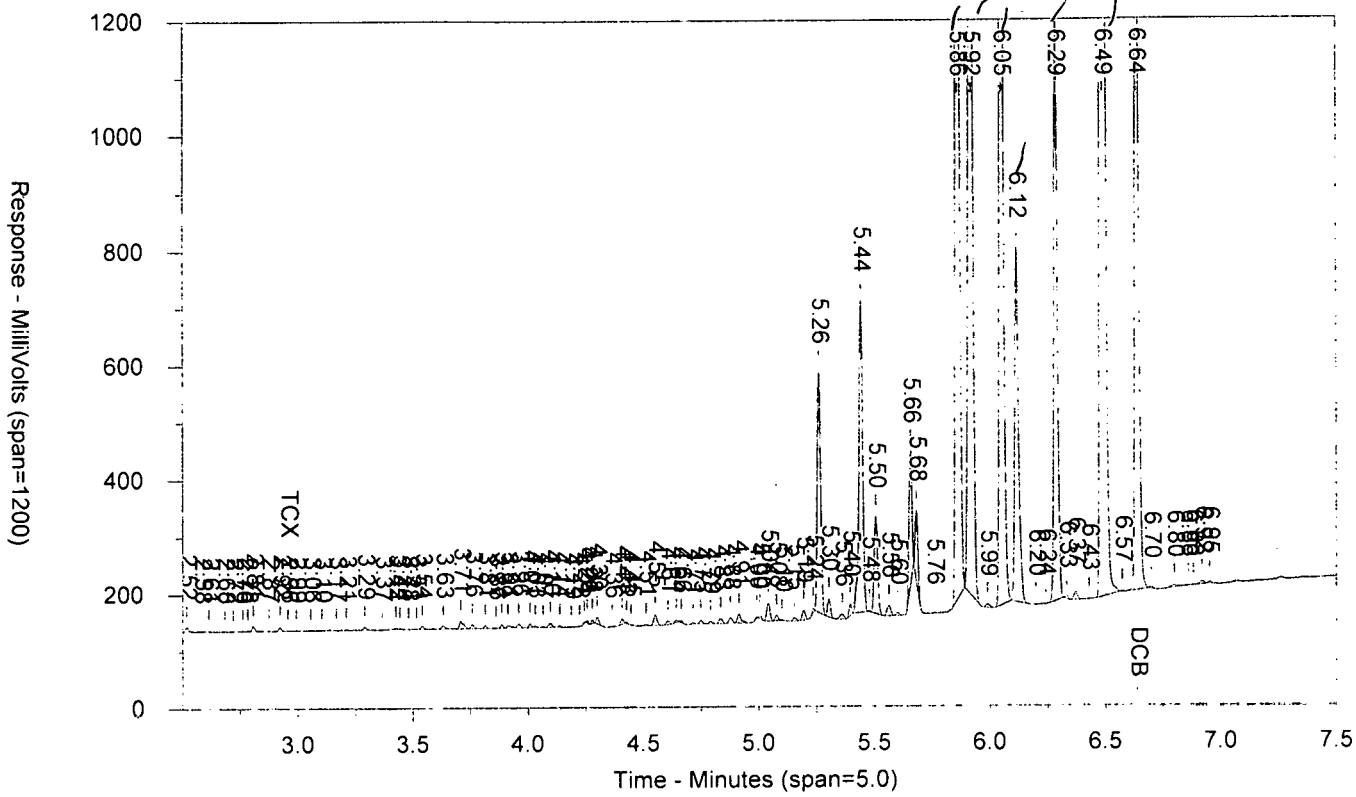

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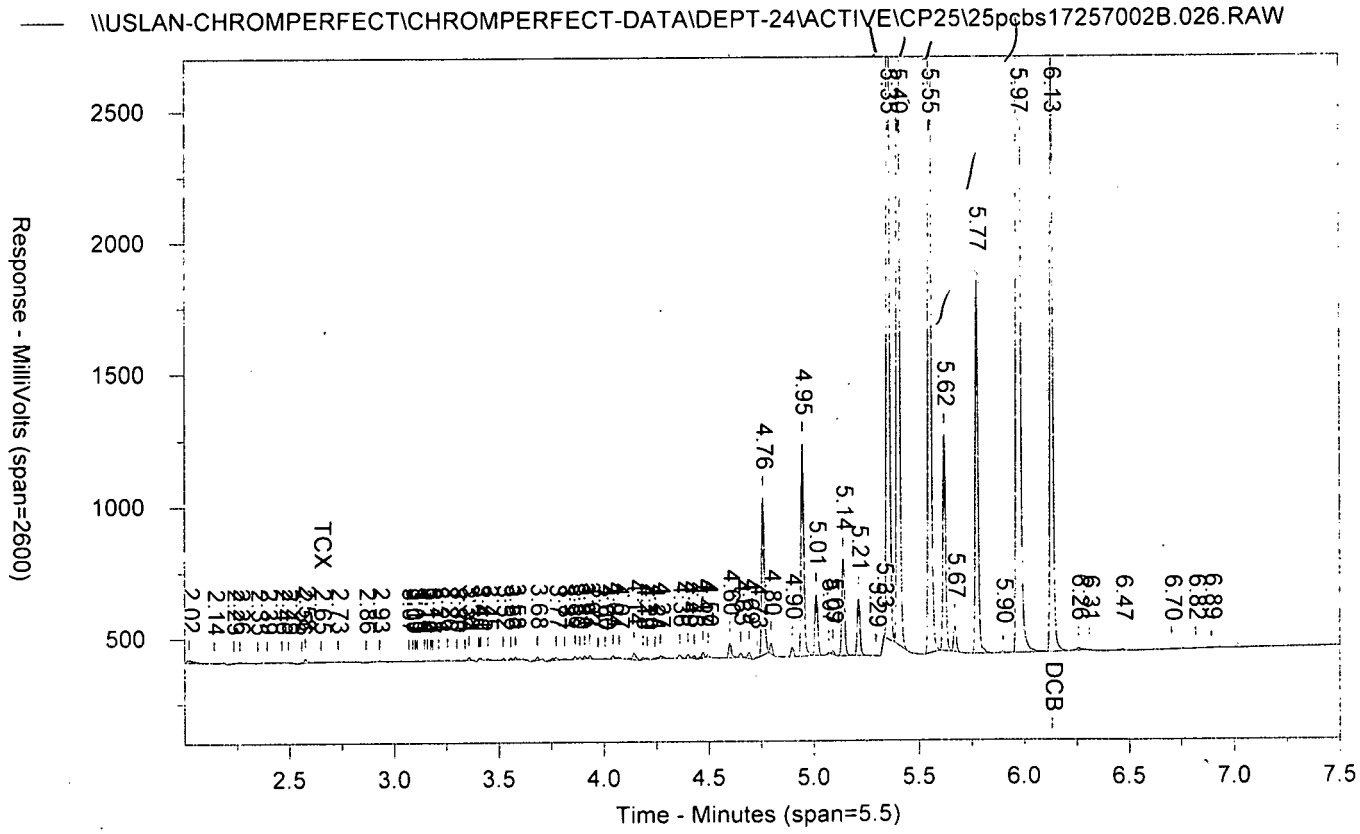

LANCASTER LABORATORIES

Sample Number: AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:32:58 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.957	636	.006	TCX	2.649	1355	.008	TCX
6.638	1561698	14.666	DCB	6.131	2262421	14.983	DCB

Files:
Area File: 25pcbs17257002.026.RAW
Area File: 25pcbs17257002B.026.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 8:41:30 PM
File Reported On: 9/14/2017 at 8:41:41 PM

AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082

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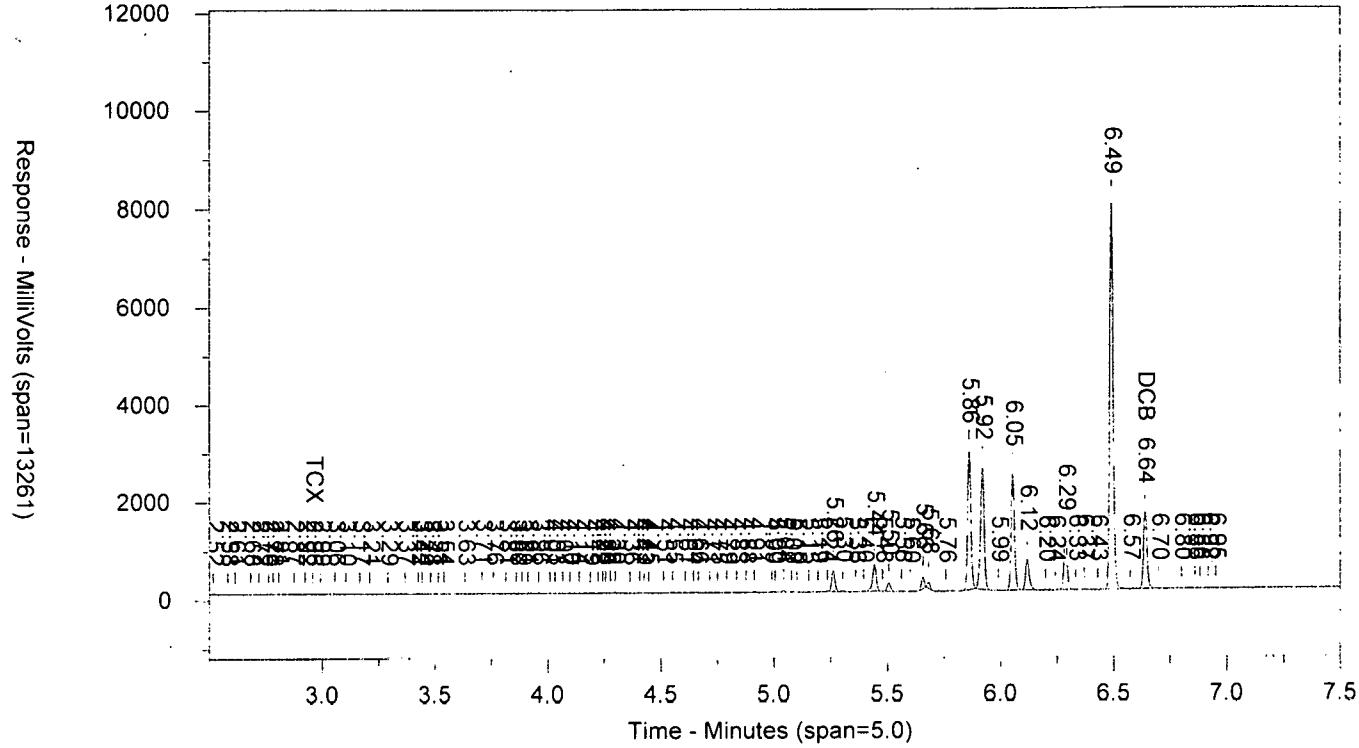

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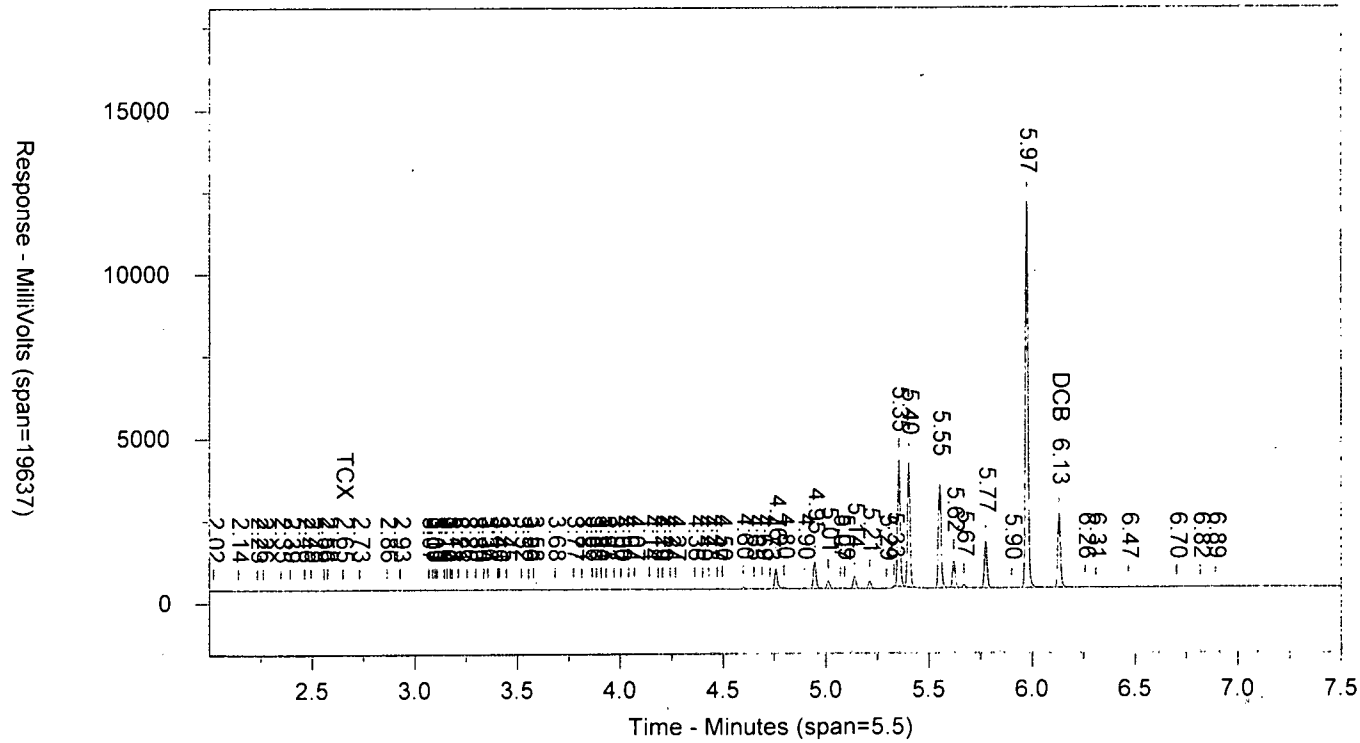

AR6831724B AAAR683AA ICAL 1725699999 10736 SW-846 8082

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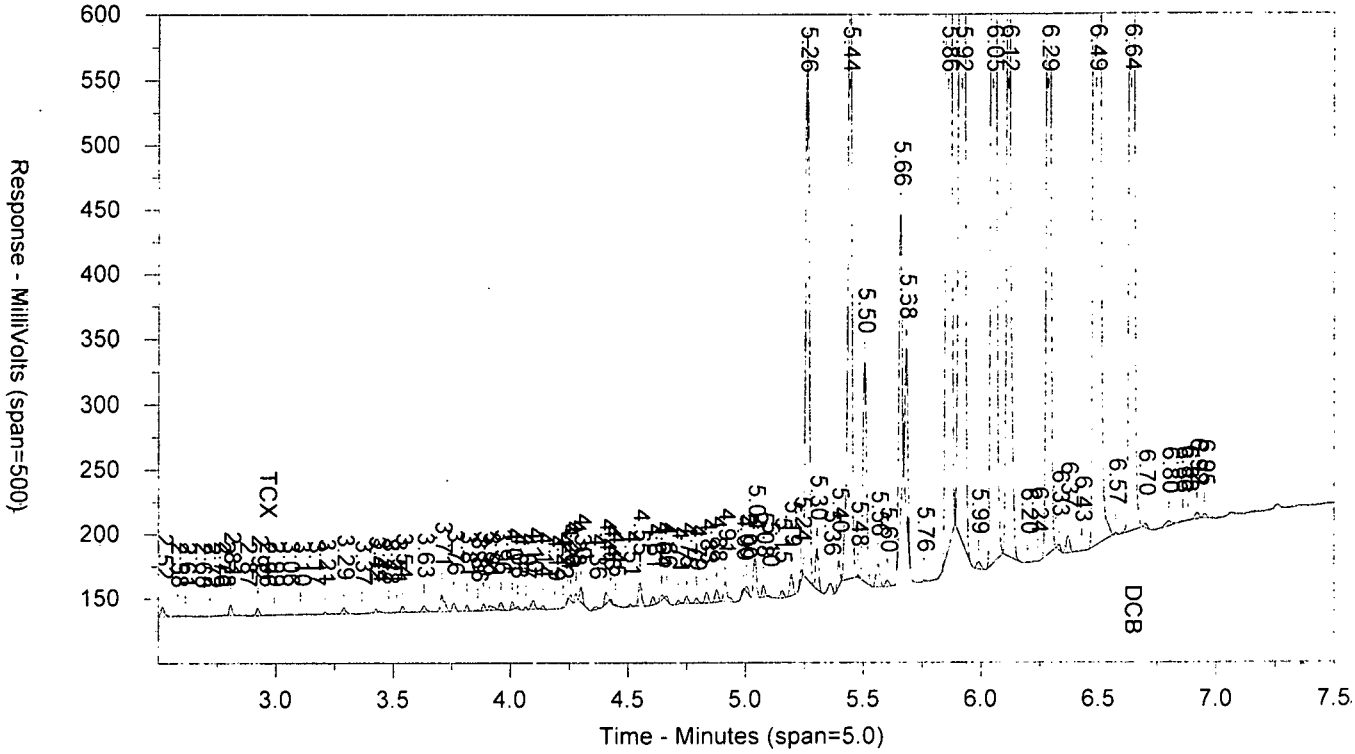

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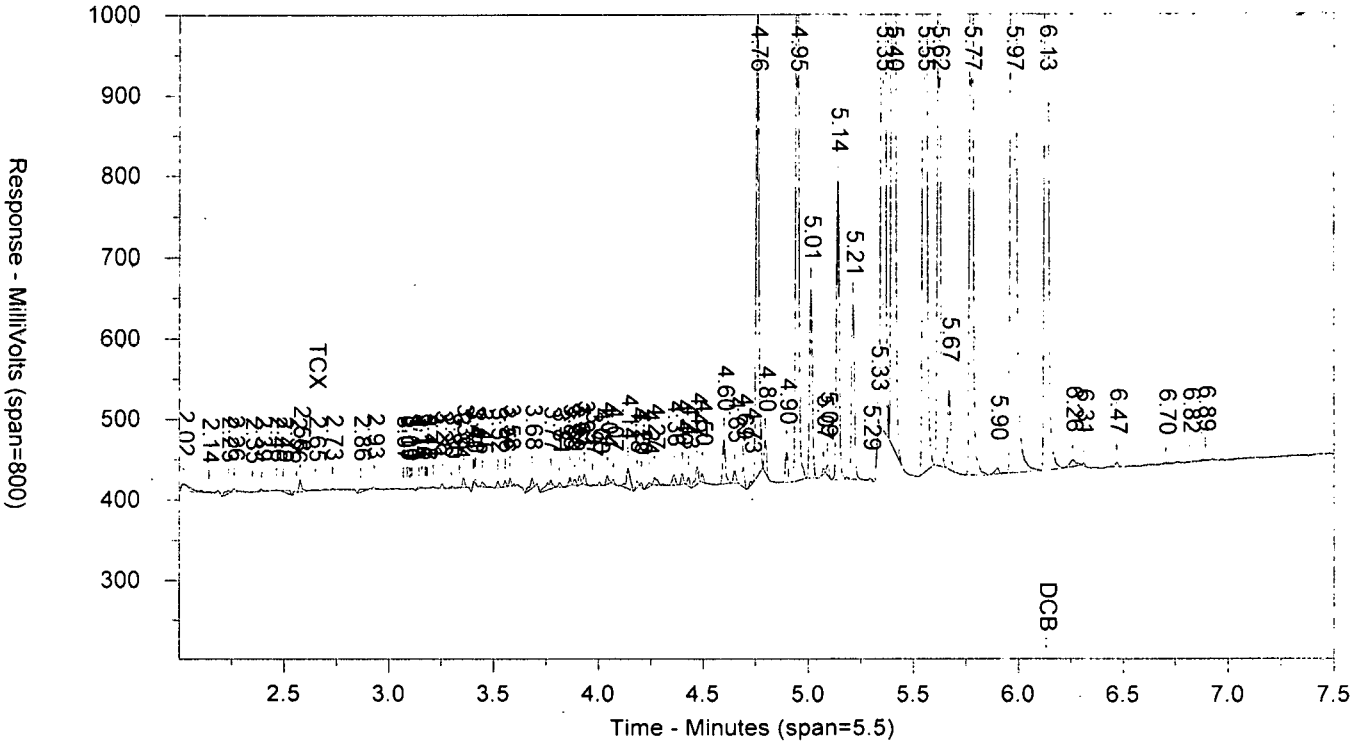

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:44:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.027.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.031		254	90
2.062		7730	5262
2.076		12239	10126
2.111		3370	7391
2.173		614	578
2.26		23496	17426
2.359		10900	13092
2.396		1610	2702
2.518		6131	7123
2.574		477	391
2.596		161106	118265
2.681		2548	2154
2.731		255	91
2.765		1023	820
2.806		1980	1608
2.834		2026	1219
2.871		49103	35004
2.923		3460	3086
2.96	TCX	4860828	3305351
3.055		1049	1009
3.107		190363	161824
3.162		176400	146570
3.209		527105	381694
3.288		12766	7569
3.305		6065	3727
3.349		297	92
3.426		24460	14526
3.447		25960	30702
3.48		2862	1216
3.507		66675	48118
3.54		36890	27285
3.599		2954	2058
3.616		896	353
3.632		1418	724
3.651		8453	4304
3.665		8470	4534
3.688		2111	1053
3.709		12779	7554
3.72		39033	19889
3.757		50058	38557
3.815		31336	23908
3.854		1145	1045
3.885		13810	10355
3.912		6835	7742
3.959		4486	4091
4.008		10615	7334
4.034		3205	2323
4.065		3212	2188
4.099		16589	16823
4.139		3005	2499
4.183		804	689
4.209		381	178
4.226		678	453
4.257		31174	25109

+ ③ KM AWK 9/15/17

RT A	Compound A	Height A	Area A
4.277		6183	3011
4.3		12077	10095
4.372		4198	5449
4.413		21201	28042
4.448		6206	4147
4.486		3560	2673
4.52		9767	9877
4.554		9921	8776
4.604		16001	14798
4.641		3187	2833
4.664		20484	16568
4.712		2267	1677
4.748		4529	3564
4.79		9607	10733
4.841		2421	2708
4.878		14339	13629
4.913		9654	7554
4.934		2075	1507
5.005		12103	20343
5.033		1483	1489
5.077		11047	12746
5.123		1413	1005
5.154		10644	10922
5.195		14978	15917
5.234		885	568
5.261		1754	1737
5.302		2019	1866
5.36		8765	13497
5.401		4192	3652
5.424		1878	1214
5.457		380	137
5.487		1001	1172
5.513		888	784
5.558		12257	12571
5.6		3052	3404
5.658		2289	1741
5.682		20121	20872
5.758		734	724
5.779		2384	2169
5.824		419	198
5.834		594	262
5.862		3999	3981
5.917		2043	2578
5.954		545	434
5.991		5282	7174
6.052		30654	28878
6.116		30891	41954
6.195		762	1328
6.273		6009	9947
6.322		3596	4298
6.36		455	419
6.371		875	538
6.418		1659	1574
6.489		48517	66057
6.543		4617	5499
6.585		3351	3483
6.639	DCB	4205354	4537708
6.749		1375	1811
6.804		16245	19844
6.875		9411	12044
6.918		6533	6440
6.972		10239	14999

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:44:17 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.027.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		6945	14332
2.083		15112	10943
2.185		4961	11103
2.237		2034	5476
2.263		2731	3726
2.327		238507	157918
2.392		5277	3588
2.522		4091	6211
2.548		13844	8881
2.599		84847	76054
2.643	TCX	7650463	4395352
2.685		88810	73455
2.813		338481	228549
2.86		58943	26625
2.873		202042	106121
2.926		825970	503356
2.976		19245	11744
3.037		8797	5720
3.076		393	92
3.082		580	69
3.087		790	278
3.114		2110	1168
3.132		31698	14451
3.144		8179	2700
3.153		23757	9273
3.174		30244	21344
3.203		6177	3817
3.231		107987	64767
3.255		54660	33654
3.291		5034	2790
3.318		5455	2937
3.337		17714	9184
3.353		17879	10110
3.403		17626	9794
3.413		56894	26864
3.447		62683	51175
3.521		52685	34959
3.556		23693	14531
3.579		14027	7688
3.619		9462	19977
3.667		15386	9310
3.683		16119	8986
3.73		4375	2540
3.757		3121	1527
3.775		22442	16814
3.833		8181	10992
3.884		8711	5007
3.907		36207	23304
3.932		14998	12319
3.971		4865	3632
4.006		26867	17542
4.039		12882	23986
4.15		16402	19810
4.184		7027	5379

RT B	Compound B	Height B	Area B
4.208		20800	14136
4.241		6869	5760
4.269		36549	30146
4.308		4091	4593
4.361		20800	18807
4.399		4000	3061
4.431		22793	17061
4.472		15412	16275
4.496		12457	9073
4.595		12147	18214
4.651		11503	9001
4.728		15285	16312
4.95		7714	11715
5.061		2257	4591
5.092		15723	12866
5.142		4748	3582
5.214		22021	19636
5.27		4958	8420
5.353		4591	10205
5.401		3545	4614
5.472		2053	1833
5.553		48162	51878
5.621		40199	36672
5.67		14080	12997
5.709		8211	8479
5.755		7848	9078
5.851		4157	8064
5.972		58605	52469
6.004		12434	15664
6.054		3853	4480
6.095		2153	1788
6.131	DCB	6296199	5609982
6.252		21455	51410
6.364		8028	11426
6.413		3049	2852
6.464		12219	8574
6.48		13995	8034
6.519		53409	64600
6.555		8134	6526
6.586		21777	34902
6.658		9051	9422
6.697		3055	2447
6.735		1325	1234
6.757		3699	5709
6.805		1783	1168
6.826		3817	3514
6.879		5946	7681
6.926		7570	6742
6.971		7385	9226

AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082

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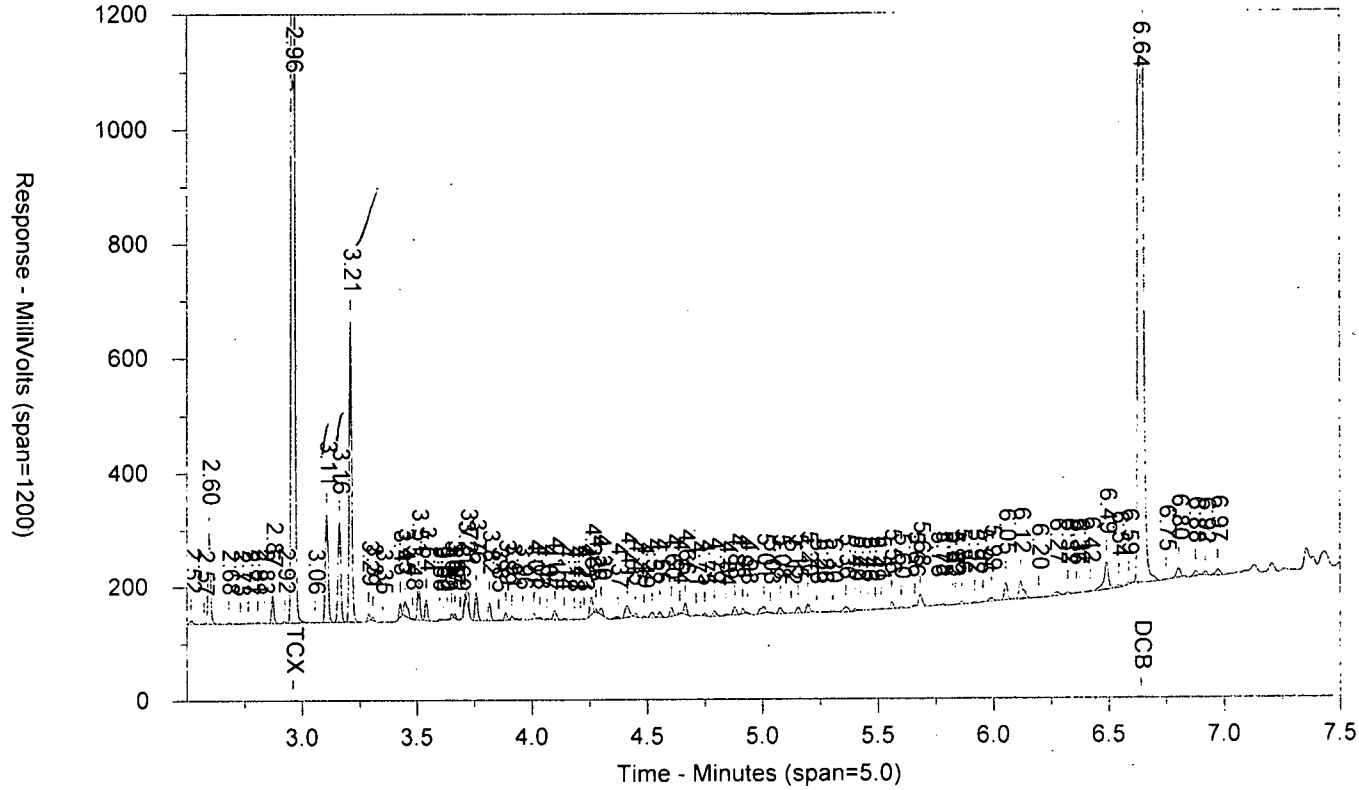

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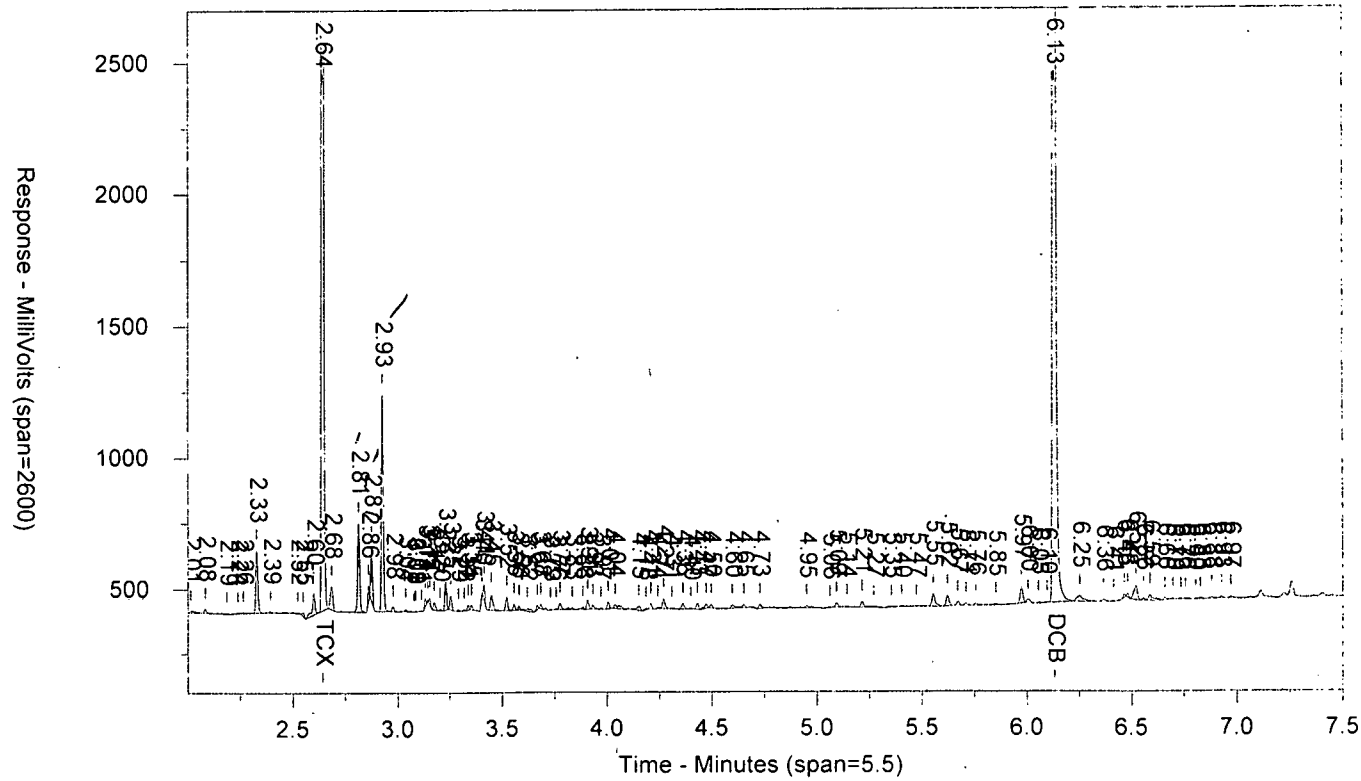

LANCASTER LABORATORIES

Sample Number: AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:44:17 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4860828	42.763	TCX	2.643	7650463	42.801	TCX
6.639	4205354	39.492	DCB	6.131	6296199	41.698	DCB

Files:
Area File: 25pcbs17257002.027.RAW
Area File: 25pcbs17257002B.027.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 8:52:48 PM
File Reported On: 9/14/2017 at 8:52:57 PM

AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082

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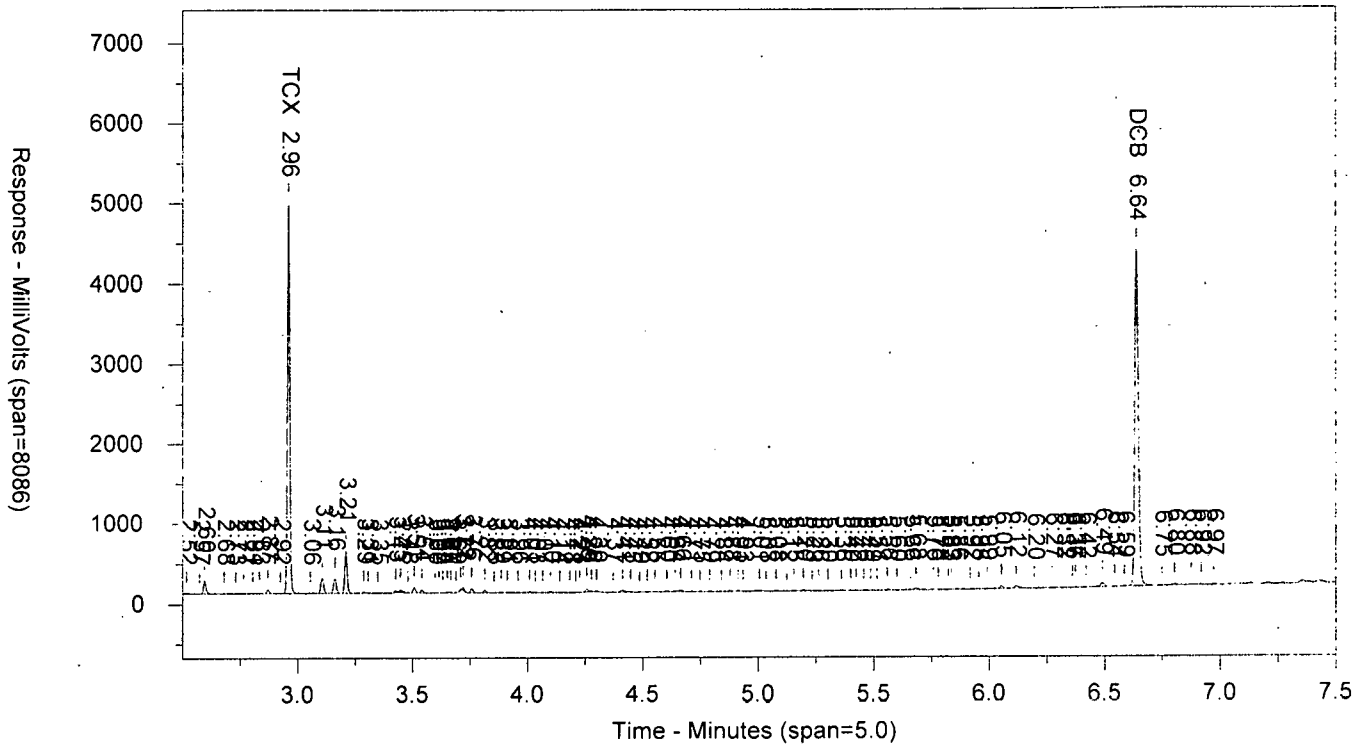

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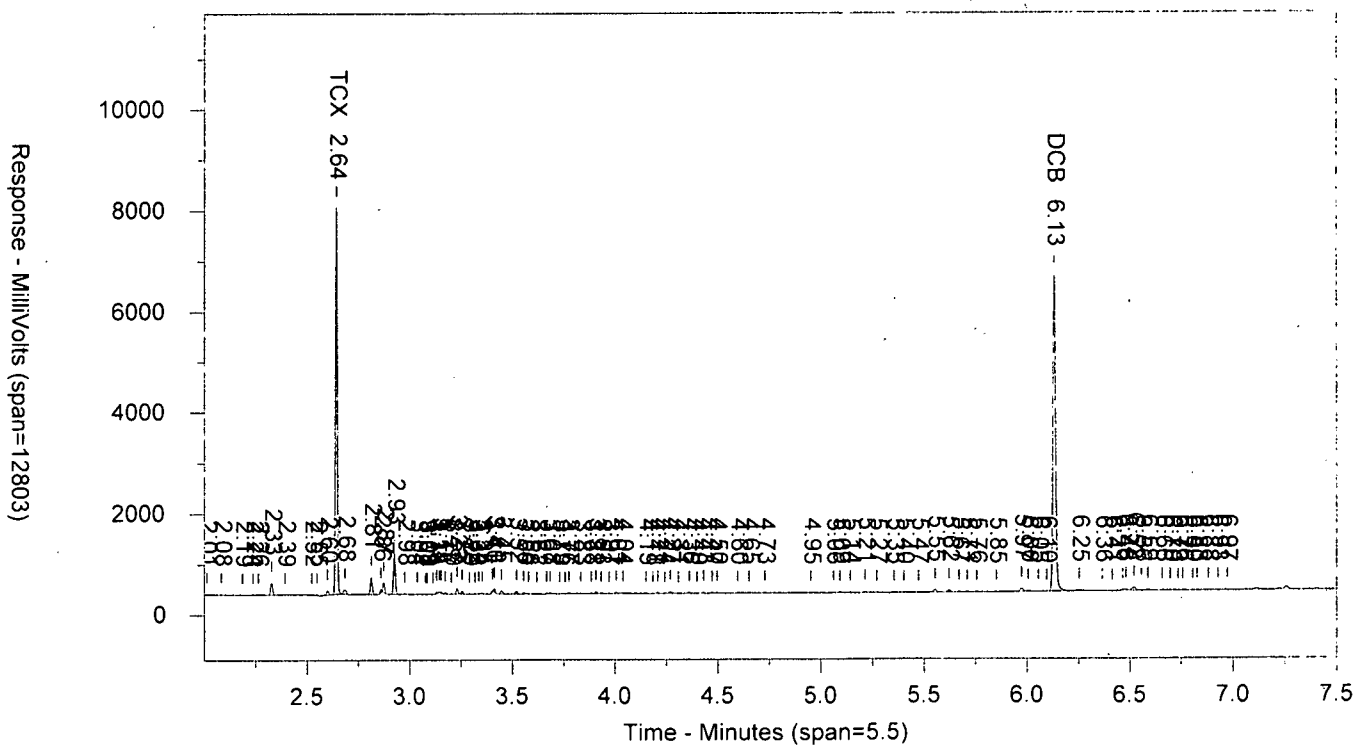

AR2131724A AAAR213AA ICAL 1725699999 10736 SW-846 8082

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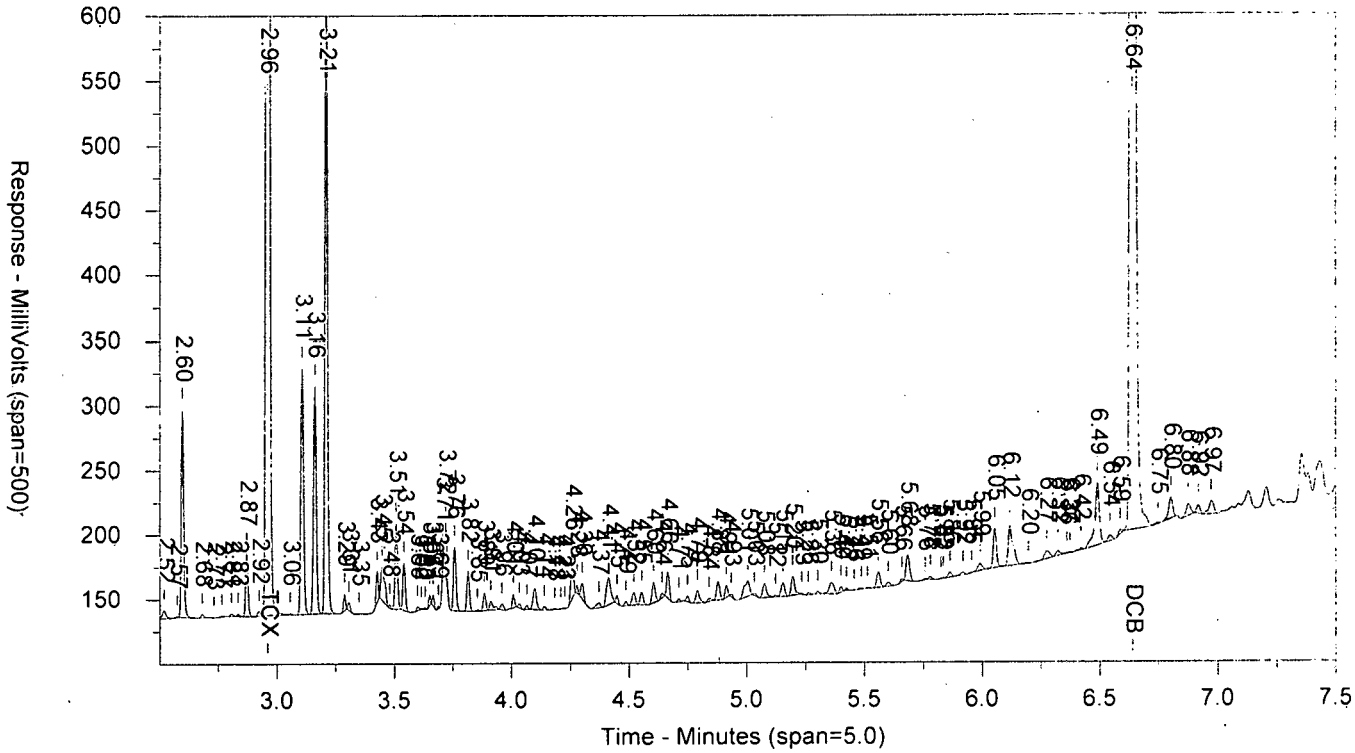

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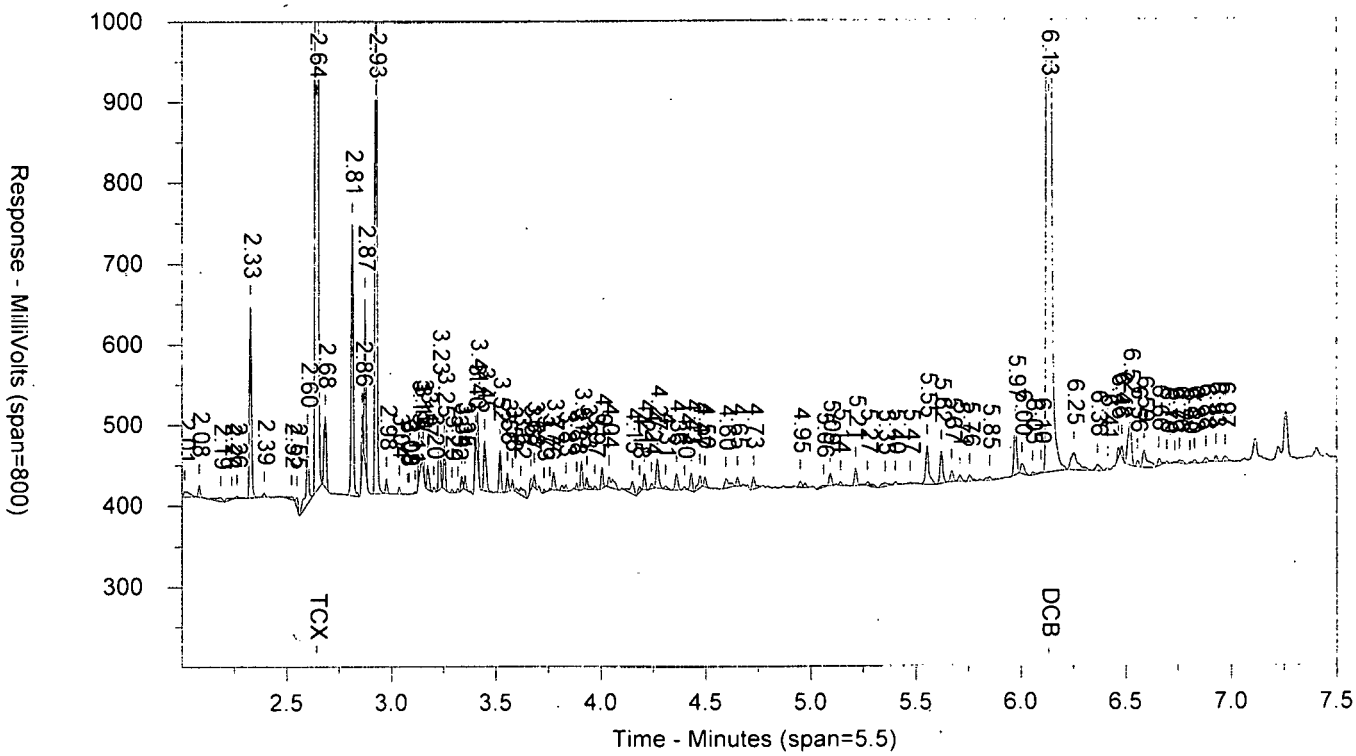

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:55:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.028.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.043		234	472
2.062		7523	8954
2.113		4780	13531
2.259		21010	15790
2.358		13138	14226
2.394		1427	2339
2.462		537	367
2.517		5449	6553
2.595		96005	73868
2.762		371	244
2.805		12844	10891
2.833		855	481
2.869		27503	19320
2.922		3294	2753
2.958	TCX	4515554	3020064
3.056		836	614
3.106		129355	112551
3.16		142628	119500
3.208		441536	322845
3.286		8811	4691
3.302		16796	10255
3.342		609	436
3.358		533	356
3.423		171129	105981
3.441		85819	46307
3.477		20354	11266
3.505		47340	34837
3.538		219729	171935
3.576		1238	643
3.594		1909	1108
3.614		6828	4616
3.648		49402	28017
3.663		25013	12604
3.706		105089	62027
3.717		227676	119079
3.754		272931	214381
3.812		226722	181665
3.854		15791	11469
3.882		134968	99909
3.909		100147	81824
3.931		26577	13742
3.956		1771	1260
4.006		158826	118987
4.03		61279	39359
4.062		65079	45849
4.094		179153	182130
4.134		56661	45305
4.182		11480	9811
4.222		14750	11443
4.255		100387	69517
4.275		130182	86364
4.298		175642	139014
4.355		3724	2509
4.368		4219	2523

RT A	Compound A	Height A	Area A
4.403		109274	86638
4.424		57192	35359
4.445		13858	8645
4.485		2830	2028
4.51		5819	5099
4.55		28857	26758
4.601		42160	38739
4.633		21993	16720
4.663		61184	54777
4.711		3018	2417
4.745		34209	34830
4.788		8283	9239
4.836		6885	6403
4.876		45208	43085
4.912		13475	11053
4.936		1059	616
4.956		2416	1826
4.989		2128	1915
5.002		4079	2809
5.035		1967	1830
5.074		49124	49741
5.122		1034	615
5.152		12883	13088
5.192		13579	13547
5.234		1430	709
5.26		3481	2823
5.301		3183	3157
5.358		4601	6119
5.398		3273	2513
5.42		3870	3101
5.478		2500	2302
5.514		1735	1814
5.556		18585	18956
5.599		2515	2851
5.655		6918	5312
5.681		19630	18100
5.733		439	353
5.777		162	562
5.794		266	104
5.859		7621	7407
5.913		2083	3745
5.962		430	1040
5.987		3284	3885
6.051		35041	34733
6.115		37756	49960
6.283		4207	7055
6.318		3122	3988
6.418		971	883
6.461		770	1094
6.488		44423	44791
6.541		3655	4773
6.637	DCB	3972555	4167157
6.746		611	136
6.803		2126	2709
6.847		352	574
6.877		685	600
6.917		5569	7982
6.976		1296	1085

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:55:21 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.028.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		8852	16627
2.083		14303	10533
2.168		2229	5139
2.236		2127	5019
2.261		2780	4643
2.328		146254	94074
2.393		1909	2339
2.459		4399	19129
2.575		27231	19191
2.599		43095	25457
2.642	TCX	7038645	4009709
2.685		70572	57007
2.813		238171	156295
2.86		54045	25172
2.873		153683	79958
2.925		688011	424767
2.975		17959	11091
3.036		38104	24272
3.082		768	170
3.094		891	249
3.111		1061	609
3.131		227666	111212
3.143		78914	28765
3.182		45116	34007
3.204		19461	10332
3.23		80842	46602
3.253		318336	215639
3.29		12358	7238
3.318		2524	1316
3.335		91086	48608
3.351		55629	27364
3.401		151907	78407
3.411		359651	158086
3.431		9525	3335
3.445		335814	240217
3.519		348153	226379
3.554		207202	129796
3.577		245455	201756
3.68		278896	186437
3.704		110983	60018
3.724		101465	60022
3.754		61701	32656
3.771		220969	152615
3.812		92297	68397
3.862		14257	9651
3.882		154827	99207
3.905		271922	186836
3.93		267374	191981
3.967		8866	4866
4.003		62473	50323
4.039		171659	137726
4.068		117051	82480
4.114		6860	4833
4.149		41297	35167

RT B	Compound B	Height B	Area B
4.182		7572	5745
4.206		65472	49721
4.239		37443	27599
4.266		88764	75853
4.36		51809	58911
4.397		9962	7476
4.429		61675	48579
4.47		19066	13905
4.495		11052	7293
4.521		5359	3659
4.595		13159	15659
4.648		60765	52838
4.697		15461	14534
4.725		14850	18402
4.874		1273	1022
4.947		7638	6517
4.971		4654	3422
5.015		2744	2967
5.059		2572	3629
5.092		25092	21831
5.14		12443	10889
5.212		26665	24651
5.352		4506	7110
5.399		10646	12804
5.499		1825	1572
5.552		49909	47351
5.62		49257	45909
5.67		18748	18657
5.776		4431	5775
5.972		59434	52671
6.131	DCB	5628335	5104888
6.256		9686	22799
6.465		1912	4632
6.582		6468	7666
6.752		2181	3674

AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082

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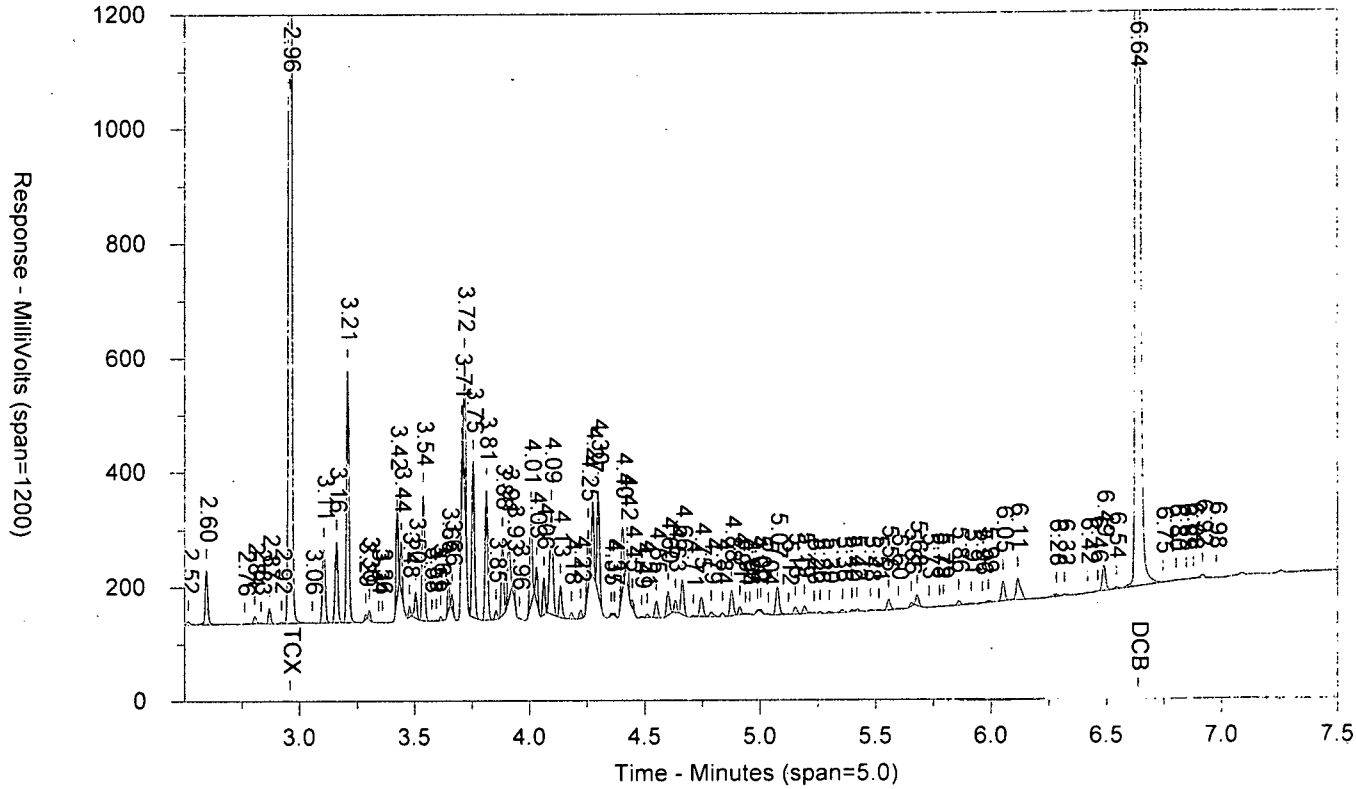

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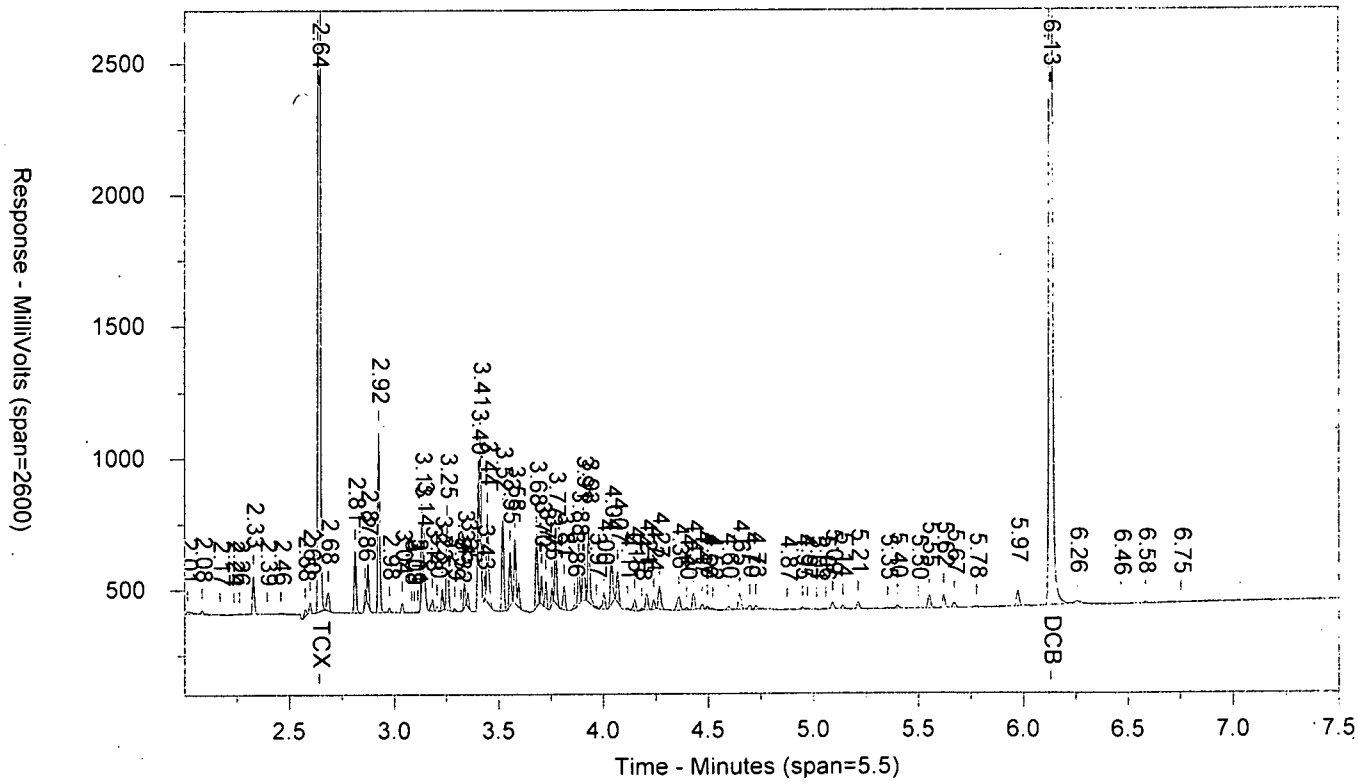

LANCASTER LABORATORIES

Sample Number: AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 8:55:21 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.958	4515554	39.726	TCX	2.642	7038645	39.378	TCX
6.637	3972555	37.305	DCB	6.131	5628335	37.275	DCB

Files:
Area File: 25pcbs17257002.028.RAW
Area File: 25pcbs17257002B.028.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 9:03:52 PM
File Reported On: 9/14/2017 at 9:04:01 PM

AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082

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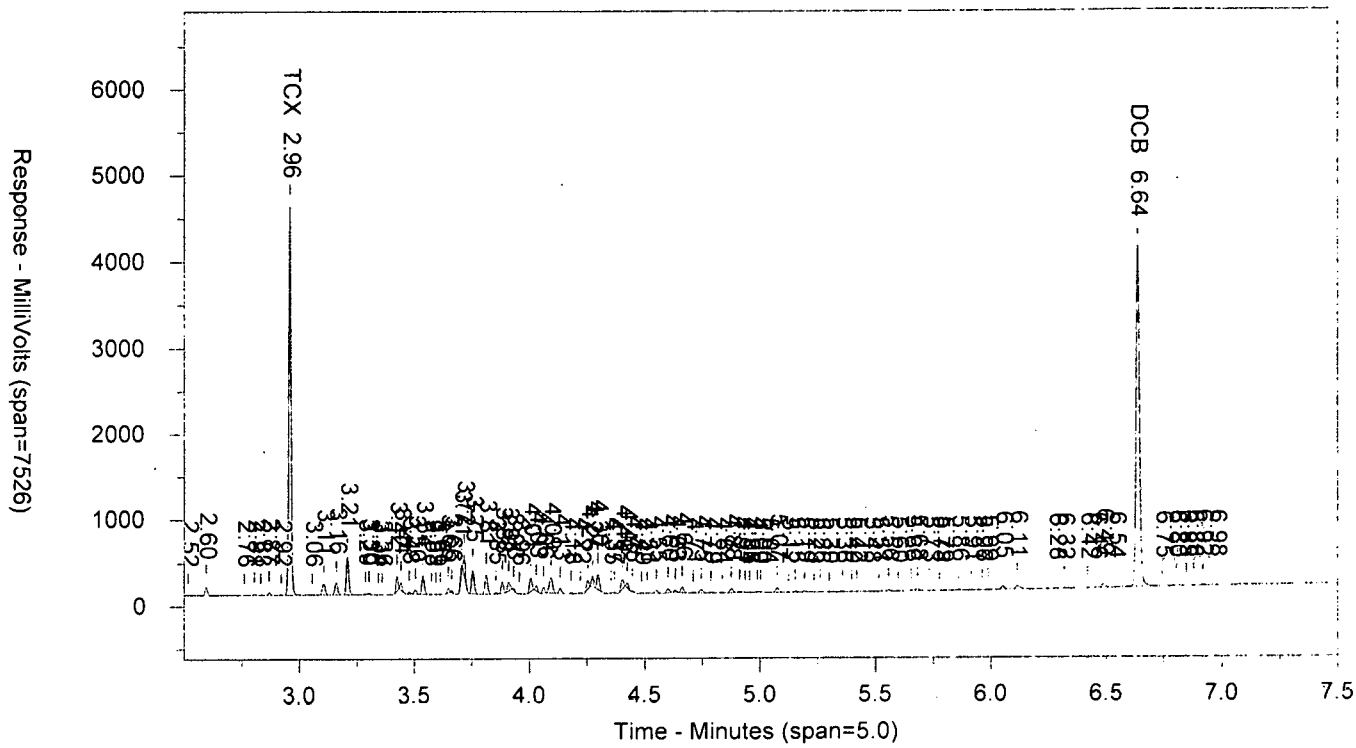

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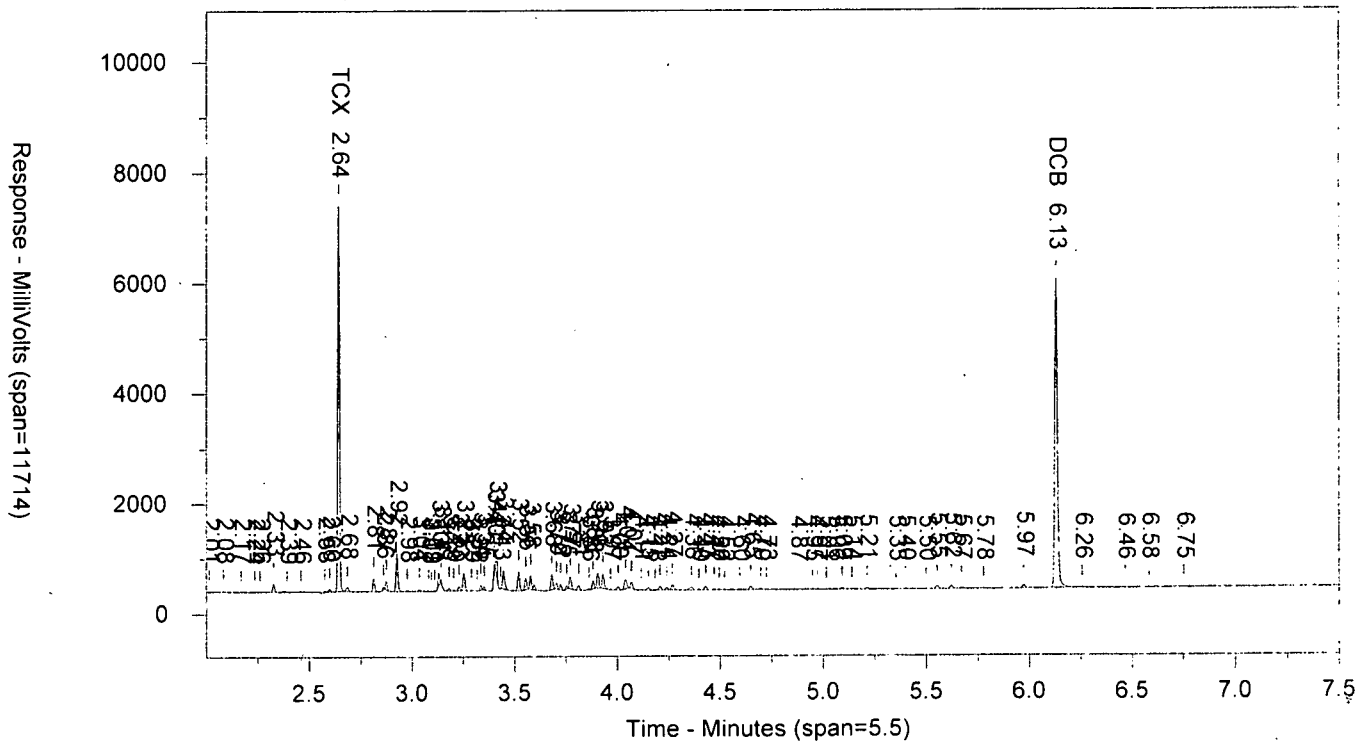

AR3241724A AAAR324AA ICAL 1725699999 10736 SW-846 8082

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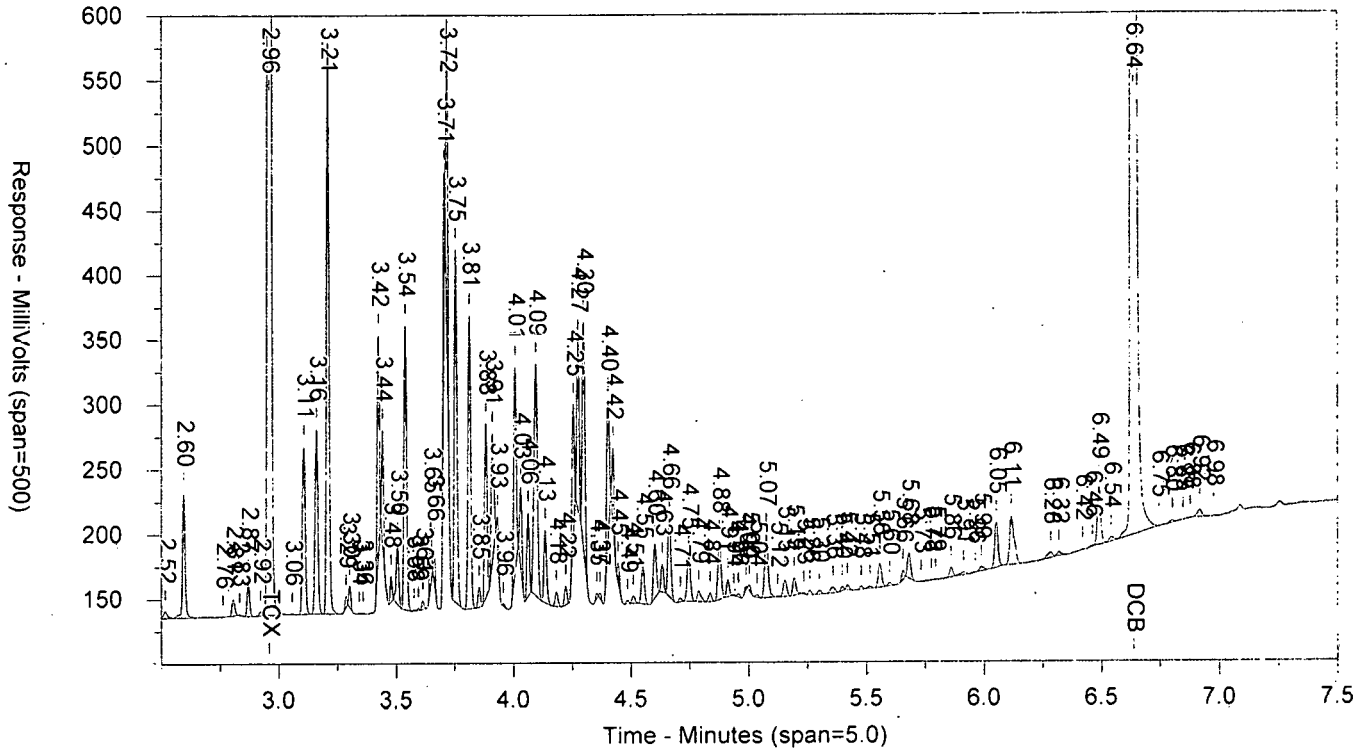

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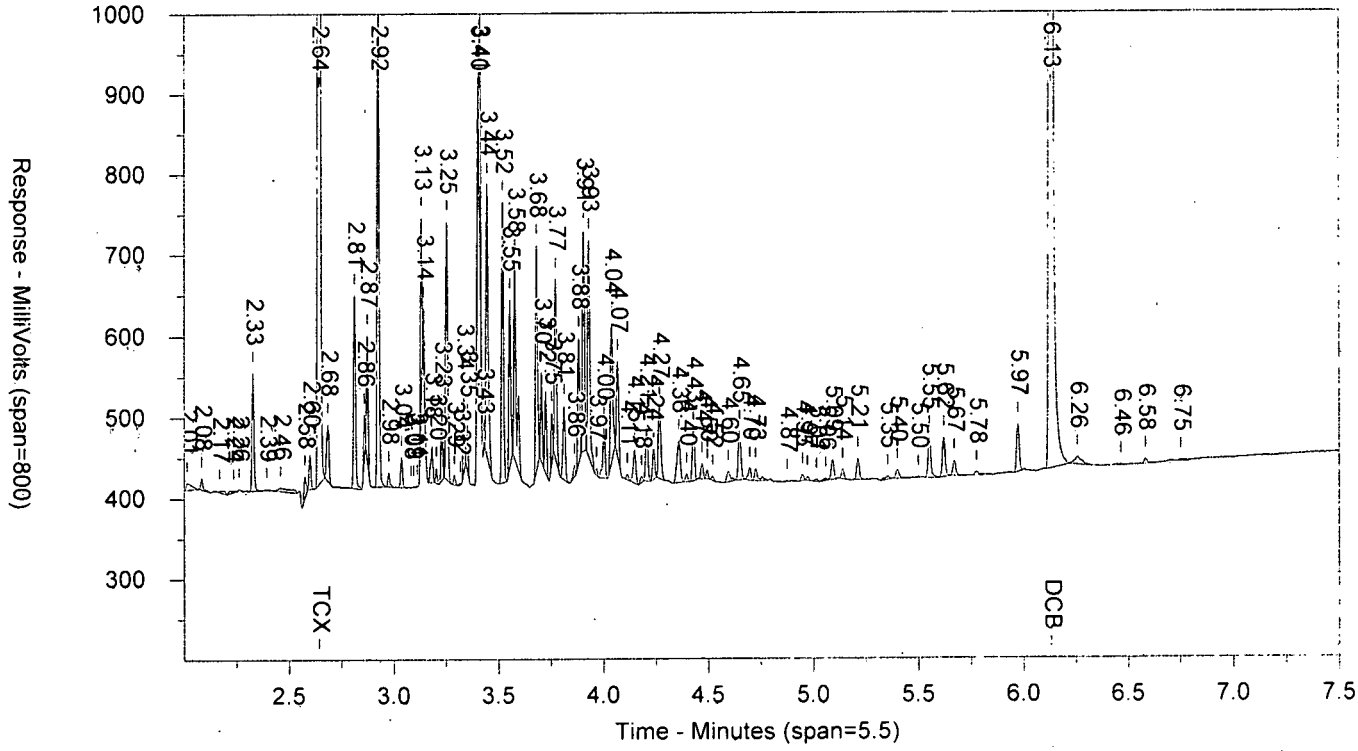

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:06:43 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.029.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.064		9964	7918
2.075		8758	6437
2.11		4331	10078
2.235		682	541
2.26		36311	25912
2.323		540	384
2.366		16790	19909
2.394		1548	1811
2.459		1449	1708
2.517		12035	13338
2.574		456	461
2.597		6910	5200
2.683		1726	2209
2.766		1132	1058
2.807		2560	2249
2.871		1924	1511
2.923		12077	10497
2.96	TCX	8014254	5548241
3.057		1494	1161
3.106		85609	75410
3.161		155705	145644
3.21		522476	376271
3.288		19600	10484
3.304		58922	36119
3.345		1670	1468
3.426		504367	304596
3.443		228999	125845
3.481		61111	36716
3.496		5682	2220
3.508		37568	20058
3.542		640053	501066
3.58		3095	1588
3.599		5234	3362
3.618		13363	7235
3.632		1470	520
3.652		136972	81560
3.667		70589	35779
3.71		329160	174709
3.721		712895	371692
3.758		813267	627057
3.816		709869	553652
3.858		53889	38435
3.887		424007	323702
3.914		315119	260235
3.936		96749	51668
3.961		8183	5802
4.01		520019	381502
4.034		181680	122850
4.066		207532	149218
4.099		616769	592538
4.14		170489	148468
4.186		36682	31982
4.226		55398	42853
4.259		383507	259271

RT A	Compound A	Height A	Area A
4.278		460519	294695
4.302		572127	451961
4.359		11866	8107
4.372		18789	11193
4.407		359372	281817
4.427		205450	128518
4.45		82305	54275
4.491		7097	4996
4.513		23723	21210
4.554		114785	107038
4.605		166919	149899
4.637		105976	81495
4.666		242572	220412
4.716		1911	1257
4.749		132361	130492
4.793		18384	26551
4.84		31666	30020
4.879		210343	200843
4.915		19431	15968
4.959		19164	22269
5.006		40680	65775
5.036		3556	2570
5.076		213516	213066
5.125		5978	4518
5.155		23299	24275
5.196		56340	49585
5.219		2671	1280
5.234		3607	2404
5.265		1117	788
5.305		1214	1281
5.36		25091	42434
5.401		22983	19334
5.424		3036	1966
5.482		1772	1481
5.519		2014	2443
5.56		27551	27364
5.598		14604	12791
5.624		2259	1459
5.66		1940	1425
5.683		50033	58809
5.758		977	870
5.78		2525	2162
5.862		6603	6344
5.892		837	496
5.91		879	854
5.991		18273	29533
6.054		57366	57130
6.117		59548	84641
6.193		2969	4476
6.241		883	2019
6.276		17922	27394
6.319		3074	3474
6.374		1805	1591
6.422		2435	2280
6.492		72511	89207
6.545		14977	21253
6.641	DCB	7183775	7576078
6.742		1171	885
6.802		20755	34717
6.879		1262	1838
6.92		6021	7252
6.957		680	391
6.978		2107	2175

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:06:43 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.029.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		8049	16495
2.082		26108	22201
2.164		1077	4317
2.217		6065	6008
2.264		3050	4578
2.327		11796	7878
2.391		3347	2806
2.462		1814	2811
2.552		14916	14003
2.596		6933	15677
2.642	TCX	13046630	7445896
2.686		75808	53230
2.812		165169	129274
2.86		122020	57324
2.873		137436	67606
2.925		804150	496771
2.975		31040	18629
3.036		113617	70343
3.086		625	311
3.092		570	108
3.11		917	393
3.132		569158	276003
3.143		250415	92167
3.183		117536	70887
3.205		55661	31895
3.231		94010	51553
3.254		944978	630564
3.29		34825	20051
3.319		8765	3813
3.337		246409	134471
3.353		144359	70701
3.403		485043	224872
3.413		1145890	503966
3.433		37447	12841
3.447		991328	680669
3.521		1035972	683141
3.556		664260	420233
3.58		799177	649874
3.684		908824	596686
3.707		333008	187616
3.727		318376	191099
3.757		213250	109428
3.774		813666	508548
3.815		286206	223234
3.863		57964	40075
3.885		575047	368224
3.908		945673	608185
3.932		987424	672924
3.971		40401	22591
4.006		246530	194859
4.042		628676	475010
4.07		444555	280926
4.116		34094	24161
4.152		167361	134728

RT B	Compound B	Height B	Area B
4.186		13367	10023
4.208		263945	203645
4.241		163238	117162
4.269		375502	285904
4.305		5767	6225
4.363		169377	196829
4.398		48079	36030
4.431		283286	216340
4.472		31240	28918
4.497		30451	19788
4.523		26790	20986
4.597		35517	32151
4.649		283266	227269
4.684		10600	8387
4.728		58163	64213
4.775		11115	9780
4.872		4726	4458
4.918		5720	6011
4.95		4451	3391
4.973		30615	25129
5.058		5469	11411
5.093		35556	27925
5.121		17038	15473
5.16		4517	3258
5.215		42481	38402
5.271		7154	19194
5.352		11432	36645
5.477		3954	21573
5.553		84702	99286
5.621		82002	83385
5.671		27806	25215
5.756		3067	4005
5.831		6212	10552
5.877		2912	3280
5.928		3035	3775
5.974		98238	87371
6.005		4243	5179
6.094		3280	2425
6.133	DCB	10422410	9328787
6.255		10843	27042
6.366		6614	9379
6.465		5366	10326
6.522		8259	11833
6.556		2324	1957
6.587		11900	15673
6.661		2854	2348
6.756		2690	4606
6.827		4555	6872
6.88		2629	5246

AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082

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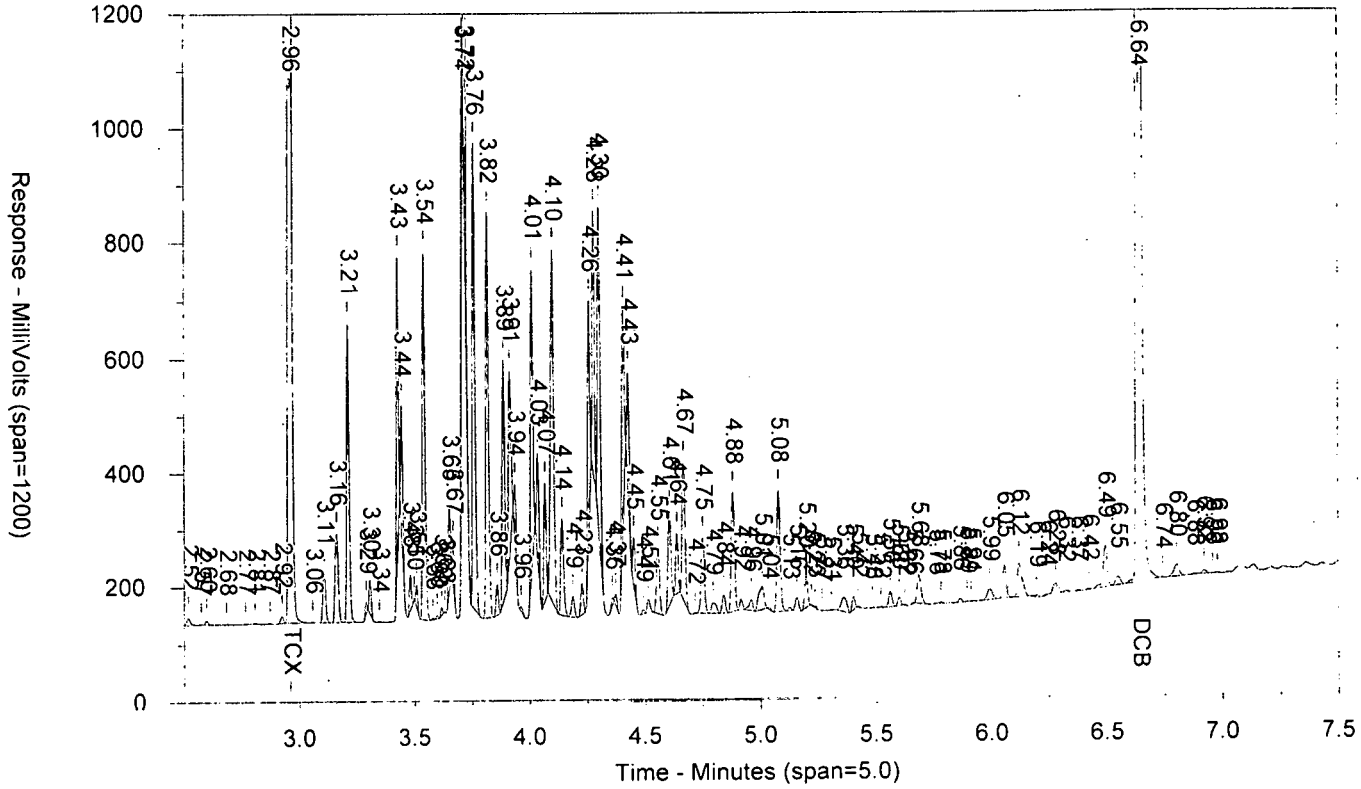

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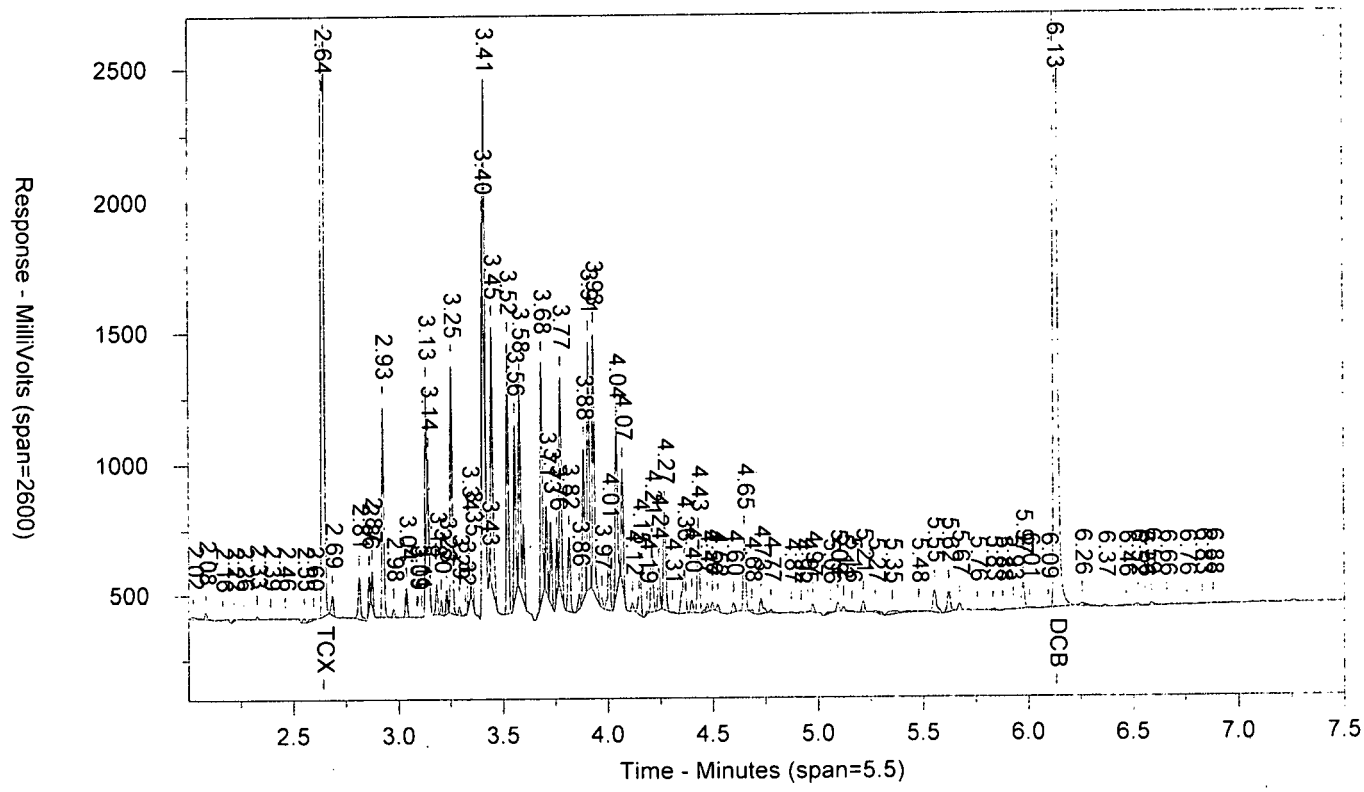

LANCASTER LABORATORIES

Sample Number: AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:06:43 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	8014254	70.506	TCX	2.642	13046630	72.989	TCX
6.641	7183775	67.461	DCB	6.133	10422410	69.024	DCB

Files:
Area File: 25pcbs17257002.029.RAW
Area File: 25pcbs17257002B.029.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 9:15:13 PM
File Reported On: 9/14/2017 at 9:15:23 PM

AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082

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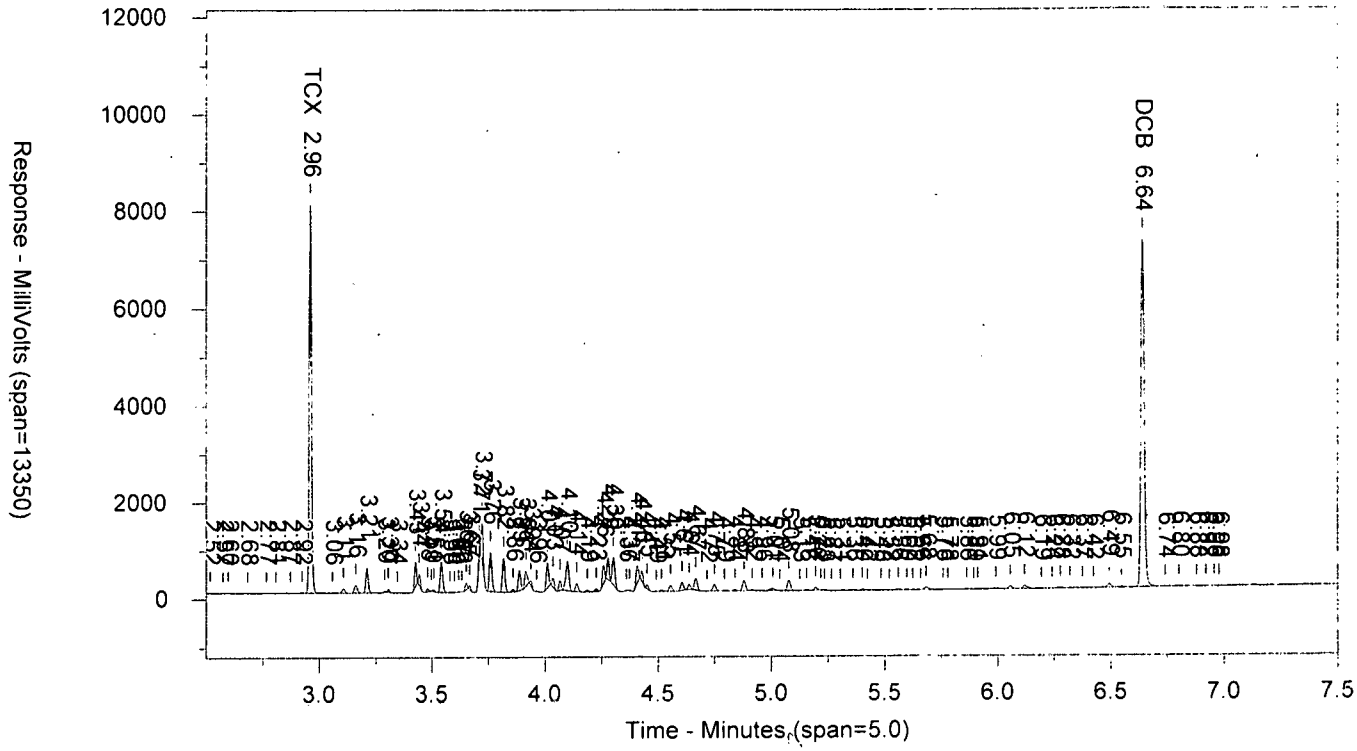

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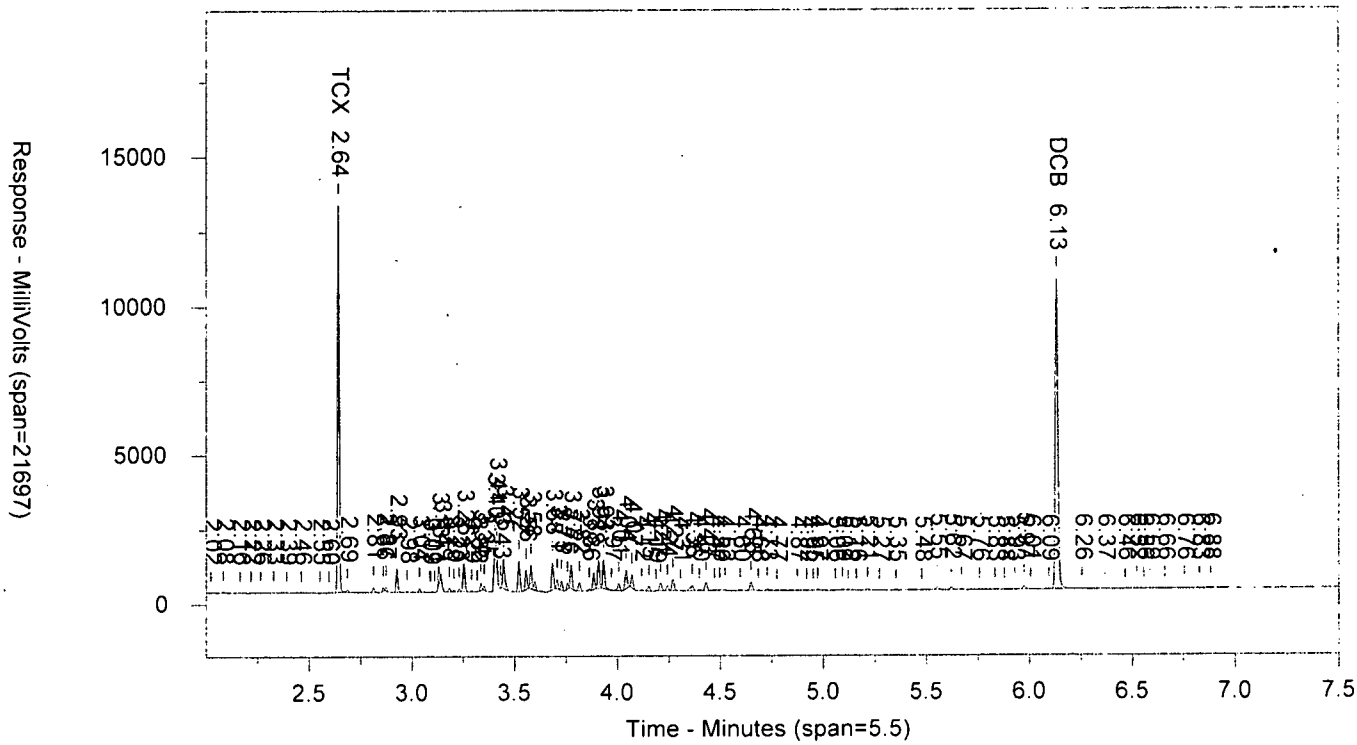

AR4231724A AAAR423AA ICAL 1725699999 10736 SW-846 8082

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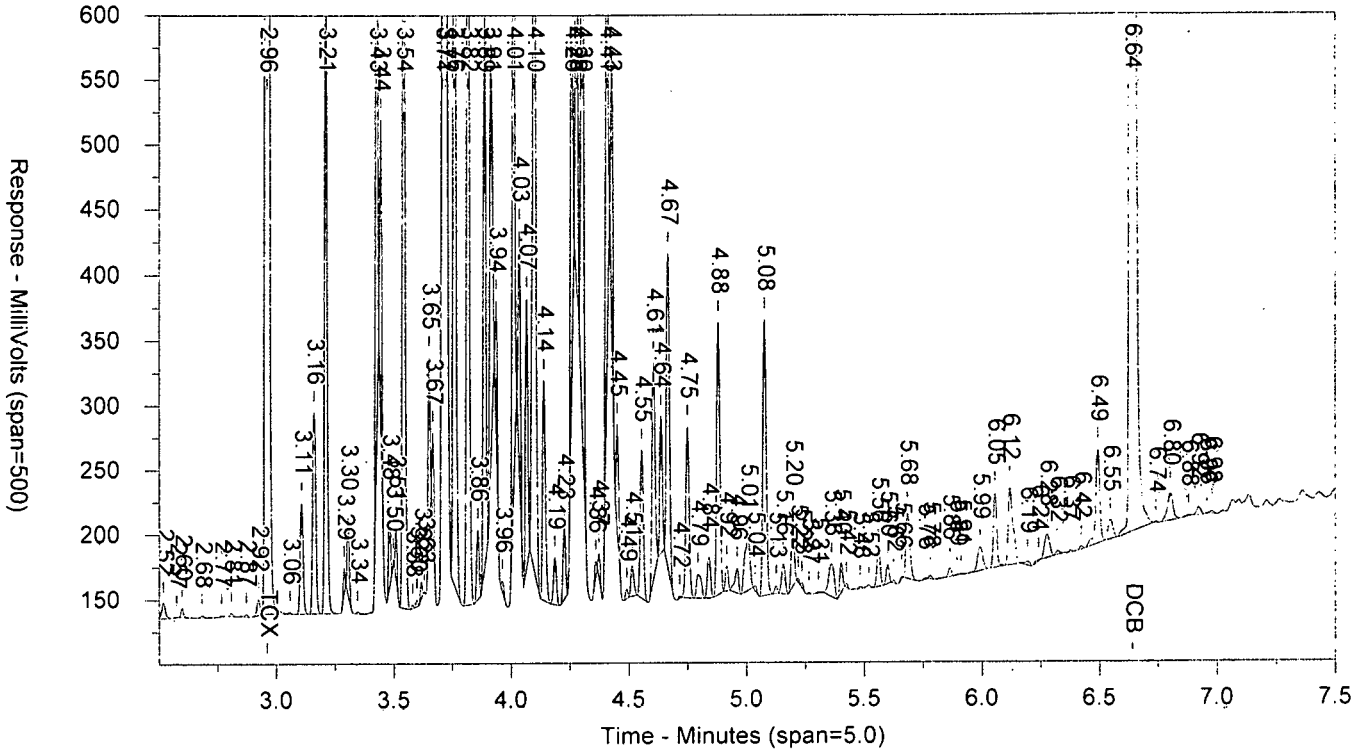

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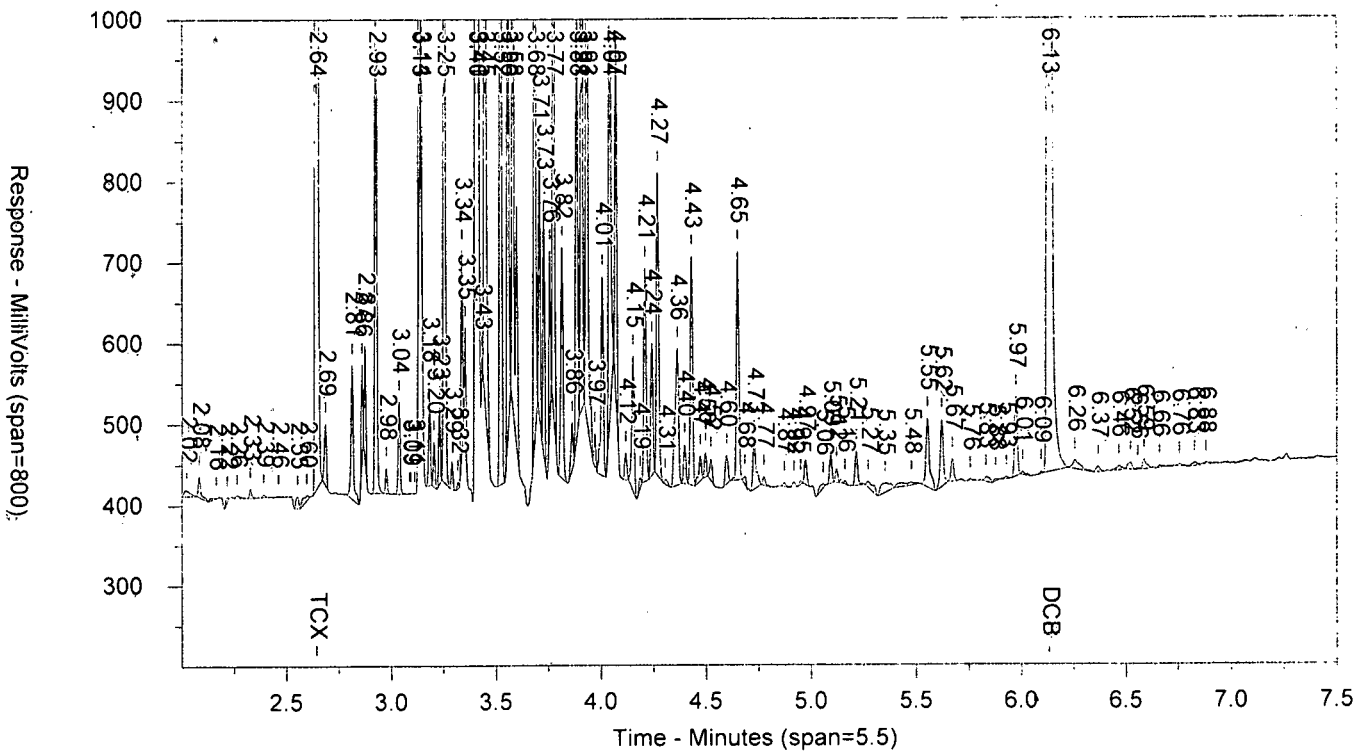

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:18:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.030.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.003		223	55
2.063		15526	19447
2.11		4392	11348
2.26		31999	23280
2.358		44887	38732
2.396		1621	1980
2.462		777	637
2.518		9375	9125
2.597		4319	3776
2.617		1467	784
2.684		709	1129
2.737		349	280
2.78		649	1135
2.806		11755	10629
2.871		1042	774
2.923		6364	5614
2.96	TCX	6973236	4799948
3.056		1422	1499
3.106		55046	48302
3.159		125460	110676
3.21		355228	259633
3.288		13297	6813
3.304		35855	22519
3.346		975	517
3.426		352389	211985
3.443		158515	86394
3.481		43021	25206
3.497		3063	1145
3.507		23695	13351
3.541		444346	351230
3.579		2299	1216
3.598		3861	2288
3.617		12006	7859
3.652		100315	58079
3.667		50396	25313
3.71		225532	116896
3.722		489479	258603
3.759		571741	431919
3.816		498152	383810
3.858		35675	26194
3.886		298495	224951
3.914		210096	178934
3.935		60199	34194
4.01		351646	262826
4.034		128237	84109
4.066		146493	103593
4.099		392600	388909
4.139		122941	102577
4.186		17784	15317
4.226		23283	17669
4.259		120463	86910
4.278		100691	62984
4.303		107242	84778
4.372		4545	7202

RT A	Compound A	Height A	Area A
4.406		35015	45829
4.45		2514	1721
4.513		522	320
4.553		3587	3435
4.608		7253	6290
4.647		6301	9661
4.751		2468	2065
4.79		697	538
4.836		936	1302
4.878		2462	2217
4.916		23978	29070
4.972		1757	1989
5.007		8364	11642
5.077		2810	3043
5.1		814	504
5.156		17826	18140
5.199		1622	1720
5.236		2052	1981
5.274		537	586
5.321		436	506
5.361		13985	21942
5.425		6607	17518
5.486		828	826
5.512		1578	1830
5.56		26937	28888
5.634		6634	6913
5.684		36384	39008
5.739		8500	7458
5.764		3427	4285
5.835		8048	7413
5.871		7477	8149
5.931		613	885
5.955		1049	1141
5.993		4349	5919
6.055		50901	47723
6.088		1578	1117
6.118		49814	68133
6.278		4878	14944
6.324		3229	4417
6.379		449	384
6.423		1862	2286
6.463		1331	1029
6.493		61776	66238
6.549		2534	2854
6.578		9165	9030
6.643	DCB	6150138	6504963
6.769		575	340
6.807		865	285
6.895		2205	2217
6.923		3598	3817
6.988		3985	3798

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:18:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.030.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		8969	18667
2.082		22524	15568
2.185		6664	7268
2.238		2984	9017
2.261		3201	4236
2.328		7008	3892
2.361		994	604
2.458		3615	23251
2.557		3301	4388
2.576		22533	18533
2.642	TCX	11234710	6411729
2.686		48002	33817
2.731		2438	2697
2.812		108313	75786
2.859		143213	162156
2.925		553237	344081
2.975		27936	17080
3.036		76723	48197
3.078		541	164
3.089		268	46
3.096		1107	547
3.112		836	194
3.131		429418	217345
3.143		172217	62923
3.183		88405	53361
3.204		37397	22084
3.23		61787	34683
3.254		666191	444346
3.29		23111	13453
3.319		5239	2457
3.337		175787	93961
3.352		108188	55681
3.403		390312	182623
3.412		786766	330931
3.432		26211	9375
3.446		662423	471384
3.521		741854	472529
3.556		459520	295687
3.579		562207	455271
3.684		625907	415816
3.707		243096	135463
3.728		216708	130431
3.757		136031	71514
3.773		498093	320810
3.815		192364	143108
3.863		23837	18772
3.885		143438	92715
3.907		283498	187633
3.933		144031	114067
4.006		13156	8310
4.055		32695	57172
4.114		1304	1050
4.143		5235	5750
4.186		17662	24642

RT B	Compound B	Height B	Area B
4.249		3820	13500
4.271		3490	3731
4.365		5149	5196
4.43		4430	3467
4.473		39432	47098
4.616		4903	7366
4.651		13530	57151
4.777		5761	60930
4.828		2345	2700
4.876		4937	4194
4.908		2224	2344
4.95		7831	7833
4.998		13089	11847
5.093		38330	39167
5.146		10835	10409
5.184		5039	3585
5.214		36228	34561
5.357		10325	32189
5.427		8590	20648
5.554		71892	70995
5.622		71876	64184
5.671		25994	23702
5.877		1981	2590
5.929		2198	1873
5.974		92951	84786
6.075		4265	4812
6.133	DCB	9108587	8049734
6.266		12977	27027
6.449		1241	1613
6.586		8946	9693
6.761		19099	22210
6.893		1378	3157
6.925		2273	1814

AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082

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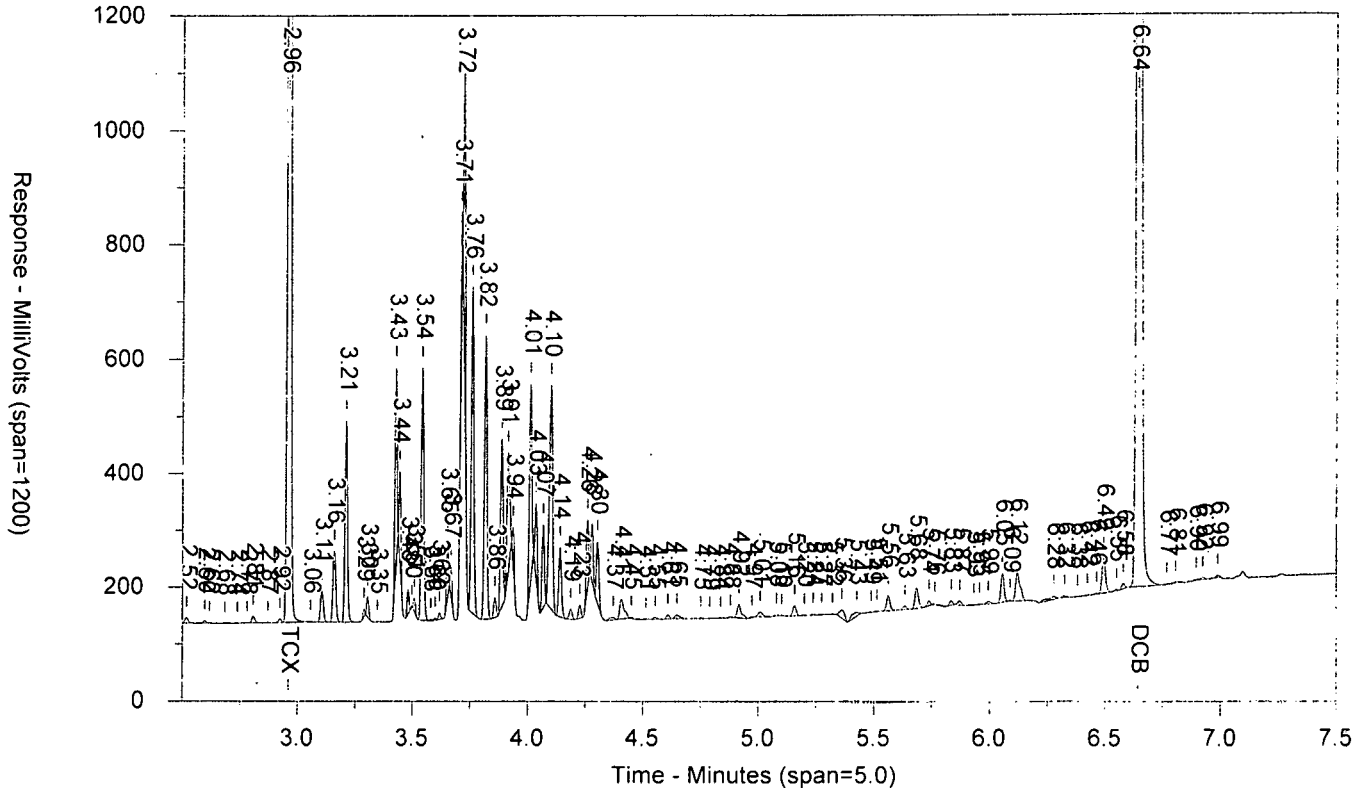

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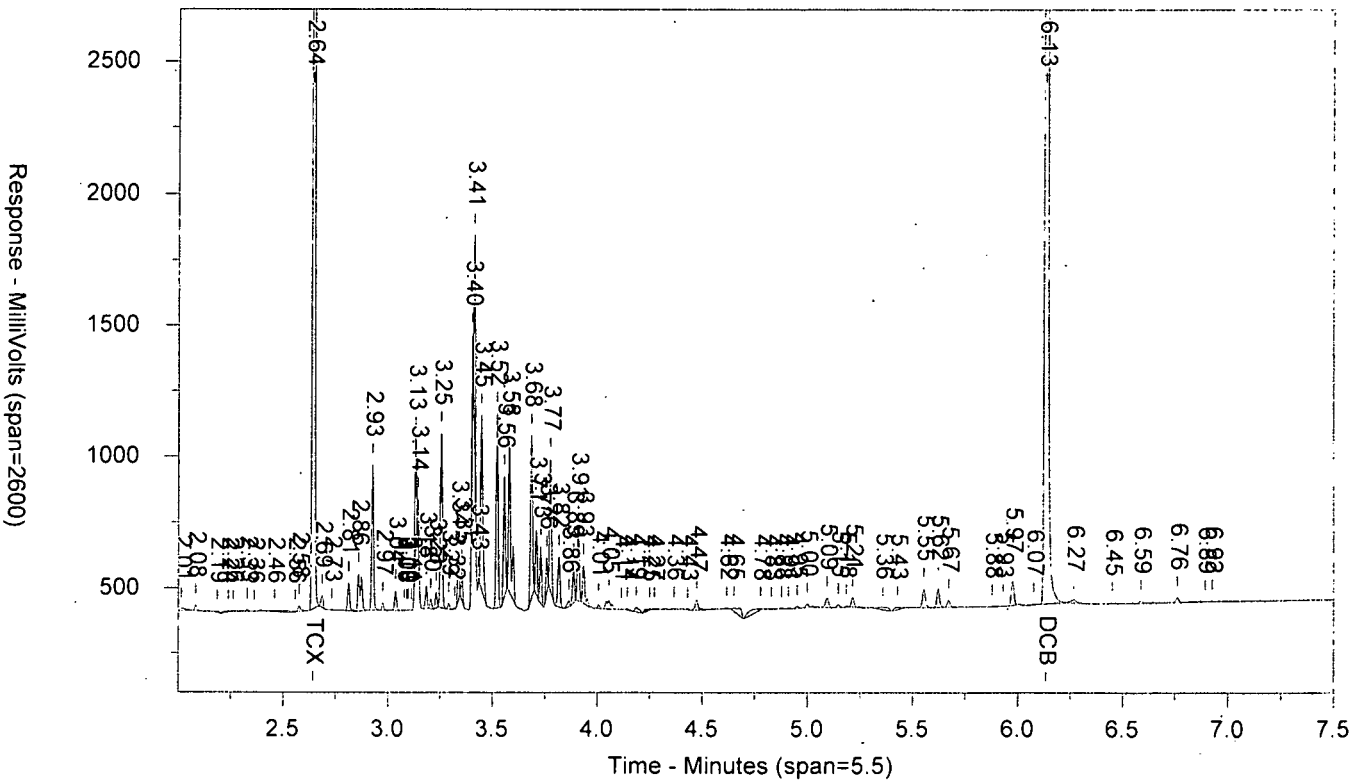

LANCASTER LABORATORIES

Sample Number: AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:18:04 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	6973236	61.347	TCX	2.642	11234710	62.853	TCX
6.643	6150138	57.755	DCB	6.133	9108587	60.323	DCB

Files:
Area File: 25pcbs17257002.030.RAW
Area File: 25pcbs17257002B.030.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 9:26:35 PM
File Reported On: 9/14/2017 at 9:26:46 PM

AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082

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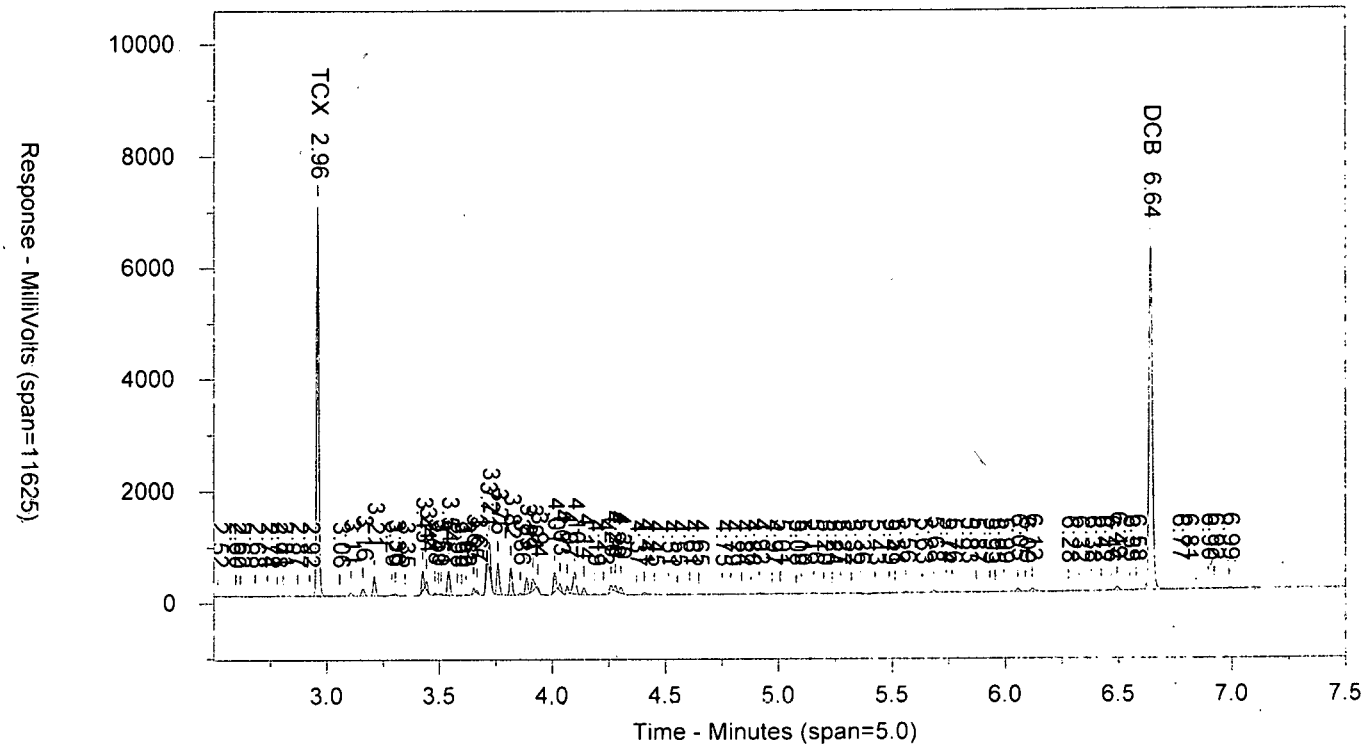

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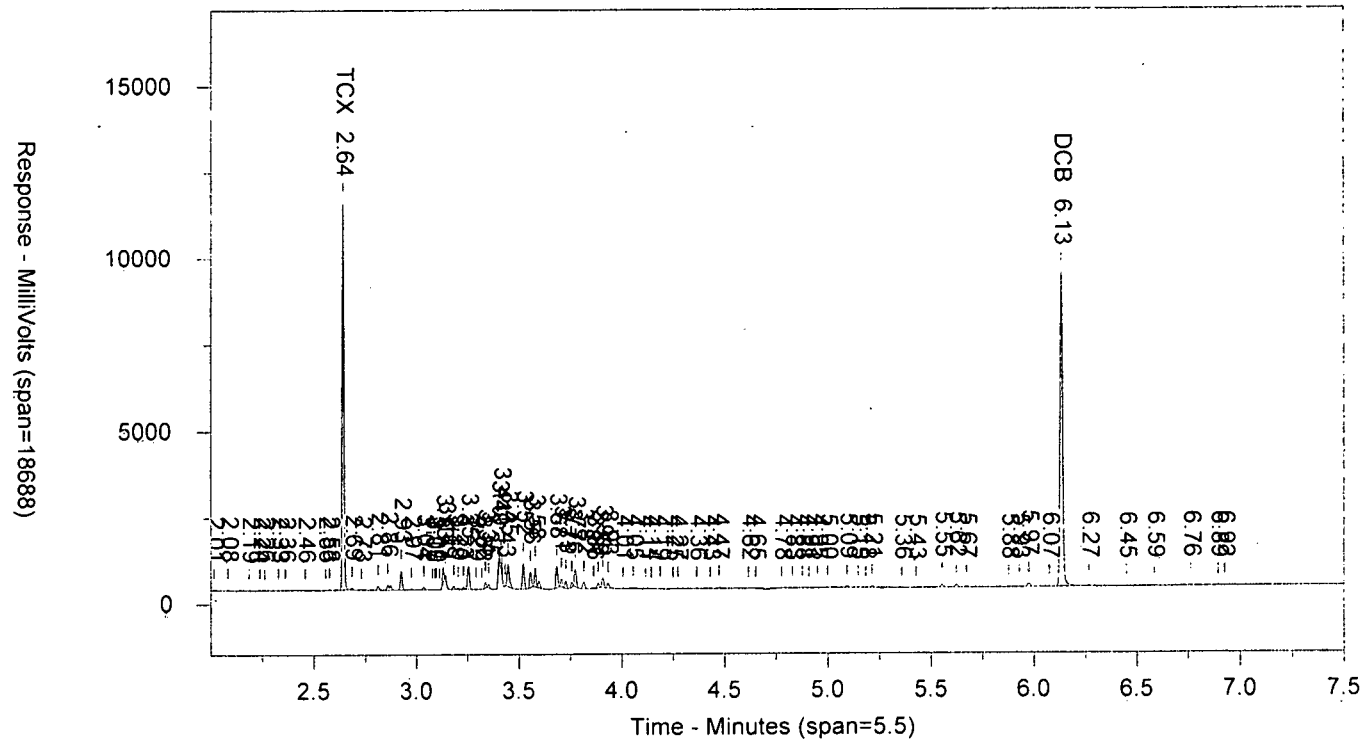

AR16XX1724B AAAR16XAA ICAL 1725699999 10736 SW-846 8082

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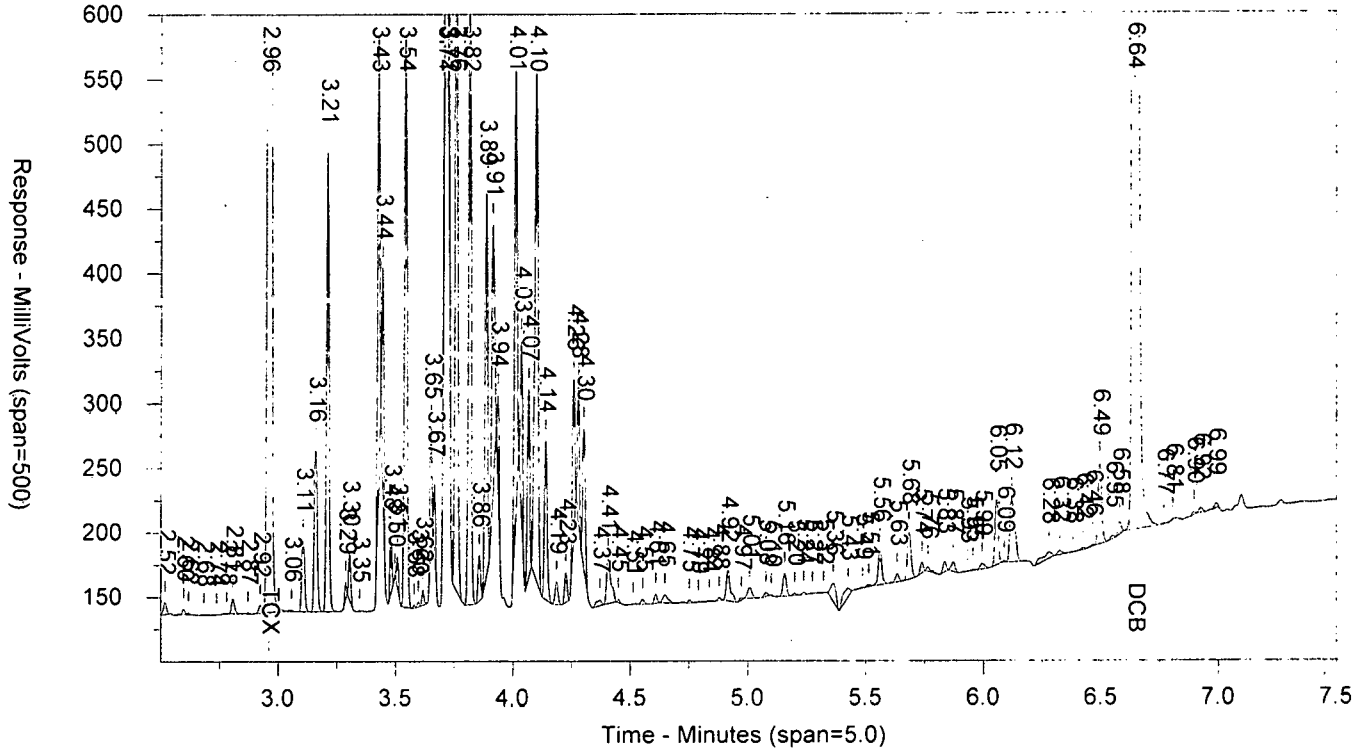

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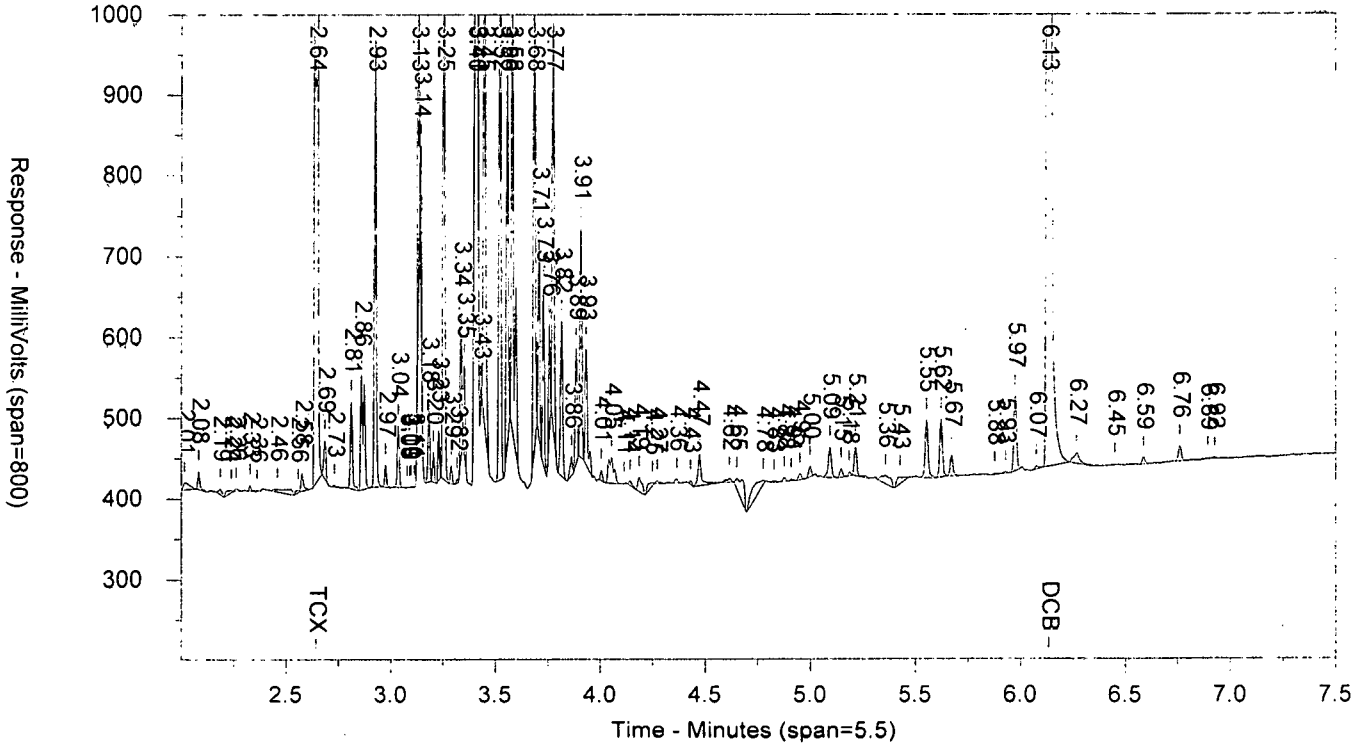

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1725699999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274A
Result file : 25PCBS17257002.031.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 100% (53-140) Conc.: 0.399896
%SSR(DCB) : *4% (45-143) Conc.: 0.016643

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	1.57	
3.19	3.21	3.23	10836.88	5.840292			1
3.41	3.43	3.45	10937.8	5.862228			2
3.52	3.55	3.56	13913.75	5.929958			3
3.74	3.76	3.78	17293.87	5.88459			4
3.79	3.82	3.83	14723.23	5.718562			5
3.99	4.02	4.03	10877.05	5.705757			6
Height Summation:			78582.58				
Amount Avg CF:			5.823565	Linear:			
Aroclor-1221					3	35.95	
3.09	3.11	3.13	1932.441	2.032706			1
3.14	3.16	3.18	2392.678	2.716042			2
3.19	3.21	3.23	10836.88	4.116783			3
Height Summation:			15161.999				
Amount Avg CF:			2.955177	Linear:			
Aroclor-1232					6	28.49	
3.19	3.21	3.23	10836.88	4.923445			1
3.40	3.43	3.44	10937.8	12.821454			2
3.52	3.55	3.56	13913.75	12.702457			3
3.73	3.76	3.77	17293.87	12.710723			4
3.79	3.82	3.83	14723.23	13.026878			5
3.99	4.02	4.03	10877.05	13.737903			6
Height Summation:			78582.58				
Amount Avg CF:			11.65381	Linear:			
Aroclor-1242					6	2.14	
3.19	3.21	3.23	10836.88	4.148279			1
3.41	3.43	3.45	10937.8	4.337239			2
3.52	3.55	3.56	13913.75	4.347687			3
3.74	3.76	3.78	17293.87	4.252938			4
3.80	3.82	3.84	14723.23	4.148154			5
3.99	4.02	4.03	10877.05	4.183328			6
Height Summation:			78582.58				
Amount Avg CF:			4.236271	Linear:			
Aroclor-1248					6	62.07	
3.74	3.76	3.78	17293.87	14.002853			1
3.80	3.82	3.84	14723.23	10.28427			2
3.86	3.89	3.90	9586.76	4.055016			3
3.99	4.02	4.03	10877.05	4.025733			4
4.08	4.11	4.12	10300.25	4.297308			5
4.26	4.27	4.30	11054.22	4.510707			6
+ 4.26	4.28	4.30	1731.883	0.7067			6
Height Summation:			73835.38				
Amount Avg CF:			6.862648	Linear:			

Analysis Report (B)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274B
Result file : 25PCBS17257002B.031.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 108% (53-140) Conc.: 0.433883
%SSR(DCB) : 132% (45-143) Conc.: 0.529418

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					6	3.69	
2.91	2.93	2.95	18330.52	6.212424			1
3.11	3.13	3.15	14487.34	5.962907			2
+ 3.11	3.14	3.15	6044.41	2.487845			2
3.23	3.25	3.27	21397.14	6.118602			3
+ 3.43	3.43	3.47	1464.262	0.400042			4
3.43	3.45	3.47	21964.87	6.000891			4
3.50	3.52	3.54	22229.74	5.675523			5
3.54	3.56	3.58	16777.77	6.311318			6
Height Summation:			115187.38				
Amount Avg CF:			6.046944	Linear:			
Aroclor-1221					3	40.46	
2.79	2.81	2.83	3906.413	2.310972			1
2.85	2.87	2.89	5642.934	5.592605			2
2.91	2.93	2.95	18330.52	4.44387			3
Height Summation:			27879.867				
Amount Avg CF:			4.115816	Linear:			
Aroclor-1232					6	29.66	
2.91	2.93	2.95	18330.52	5.34454			1
3.11	3.13	3.15	14487.34	12.765017			2
+ 3.11	3.14	3.15	6044.41	5.325822			2
3.23	3.25	3.27	21397.14	13.483446			3
+ 3.43	3.43	3.47	1464.262	0.874683			4
3.43	3.45	3.47	21964.87	13.120814			4
3.50	3.52	3.54	22229.74	12.808408			5
3.53	3.56	3.57	16777.77	16.243186			6
Height Summation:			115187.38				
Amount Avg CF:			12.294235	Linear:			
Aroclor-1242					6	7.15	
2.91	2.93	2.95	18330.52	4.55898			1
3.11	3.13	3.15	14487.34	5.090797			2
+ 3.11	3.14	3.15	6044.41	2.123983			2
3.23	3.25	3.27	21397.14	4.528601			3
+ 3.43	3.43	3.47	1464.262	0.295414			4
3.43	3.45	3.47	21964.87	4.431403			4
3.50	3.52	3.54	22229.74	4.291572			5
3.54	3.56	3.58	16777.77	5.051567			6
Height Summation:			115187.38				
Amount Avg CF:			4.65882	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1725699999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274A
Result file : 25PCBS17257002.031.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.93	
4.24	4.27	4.28	11054.22	4.166057			1
4.39	4.42	4.43	12429.87	2.744791			2
4.65	4.67	4.68	7011.507	1.111778			3
4.86	4.89	4.90	4283.704	0.931433			4
5.06	5.09	5.10	15902.23	4.438363			5
5.17	5.20	5.21	42717.43	8.554562			6
Height Summation:			93398.961				
Amount Avg CF:			3.657831	Linear:			
Aroclor-1260					6	3.85	
4.97	5.00	5.01	35510.09	6.095254			1
5.17	5.20	5.21	42717.43	5.932187			2
5.24	5.27	5.28	20639.66	5.925237			3
+ 5.40	5.41	5.44	3893.722	1.057374			4
5.40	5.43	5.44	22582.34	6.132431			4
5.64	5.66	5.68	56397.25	5.514284			5
5.84	5.87	5.88	38347.77	6.082908			6
Height Summation:			216194.54				
Amount Avg CF:			5.94705	Linear:			
Aroclor-1262					6	25.69	
5.25	5.27	5.29	20639.66	3.545017			1
5.41	5.43	5.45	22582.34	4.388757			2
5.64	5.66	5.68	56397.25	4.358147			3
5.85	5.87	5.89	38347.77	4.927657			4
5.90	5.92	5.94	8070.753	2.109375			5
6.27	6.29	6.31	17268.38	3.68922			6
Height Summation:			163306.153				
Amount Avg CF:			3.836362	Linear:			
Aroclor-1268					5	111.08	
5.84	5.87	5.88	38347.77	2.718128			1
5.90	5.92	5.94	8070.753	0.653011			2
6.03	6.06	6.07	1008.916	0.085599			3
6.27	6.29	6.31	17268.38	3.336478			5
6.47	6.50	6.51	4529.358	0.115209			6
Height Summation:			69225.177				
Amount Avg CF:			1.381685	Linear:			

Analysis Report (B)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274B
Result file : 25PCBS17257002B.031.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	68.07	
+ 3.43	3.43	3.47	1464.262	0.997421			1
3.43	3.45	3.47	21964.87	14.961949			1
3.50	3.52	3.54	22229.74	9.931082			2
3.54	3.56	3.58	16777.77	4.476043			3
3.66	3.69	3.70	20232.18	4.353028			4
+ 3.75	3.76	3.79	4696.911	1.477202			5
3.75	3.78	3.79	14292.99	4.495218			5
+ 3.89	3.89	3.93	3178.27	0.547988			6
3.89	3.91	3.93	16613.44	2.86444			6
Height Summation:			112110.99				
Amount Avg CF:			6.84696	Linear:			
Aroclor-1254					6	94.35	
+ 4.25	4.26	4.29	6375.567	0.720188			1
4.25	4.29	4.29	18335.44	2.071182			1
4.34	4.36	4.38	43216.02	10.391092			2
4.41	4.44	4.45	4332.656	0.70789			3
4.48	4.50	4.51	51689.82	14.132721			4
4.63	4.66	4.67	4824.021	1.121817			5
4.71	4.73	4.75	46094	6.770991			6
Height Summation:			168491.957				
Amount Avg CF:			5.865949	Linear:			
Aroclor-1260					6	3.15	
4.47	4.50	4.51	51689.82	6.219246			1
4.58	4.60	4.62	38053.9	5.772163			2
4.71	4.73	4.75	46094	5.735919			3
4.93	4.95	4.97	32777.84	5.943138			4
5.12	5.15	5.16	76535.27	5.900769			5
5.38	5.40	5.42	51711.71	5.737656			6
Height Summation:			296862.54				
Amount Avg CF:			5.884815	Linear:			
Aroclor-1262					6	20.96	
4.74	4.76	4.78	23890.86	2.95808			1
4.93	4.95	4.97	32777.84	4.067162			2
5.12	5.15	5.16	76535.27	4.487318			3
5.34	5.36	5.38	17395.56	2.65536			4
5.38	5.40	5.42	51711.71	4.522851			5
5.76	5.78	5.80	23577.84	3.731424			6
Height Summation:			225889.08				
Amount Avg CF:			3.737033	Linear:			
Aroclor-1268					5	96.04	
5.33	5.36	5.37	17395.56	0.911534			1
5.38	5.40	5.42	51711.71	2.76146			2
5.60	5.63	5.64	1767.596	0.43159			4
5.75	5.78	5.79	23577.84	3.329354			5
5.95	5.98	5.99	5952.745	0.101695			6
Height Summation:			100405.451				
Amount Avg CF:			1.507127	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **MD16X1724B** MD16XAA ID: AA **Batchnumber: 1725699999**
Sample Amount: 1 Total Volume: 1 ml Analyst: 2855 SDG: State:
Analyses: 10736

Analysis Report (A)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274A
Result file : 25PCBS17257002.031.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 14, 2017 21:29:52
Instrument : CP25--18274B
Result file : 25PCBS17257002B.031.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			17	3.6		3.76	4	40	
Aroclor-1221			17	4.6		32.83	3	5	
Aroclor-1232			17	8		5.35	4	10	
Aroclor-1242			17	3.3		9.50	4	30	
Aroclor-1248			17	3.3		0.23	4	40	
Aroclor-1254			17	3.3		** 46.37	4	40	
Aroclor-1260			17	4.9		1.05	4	40	
Aroclor-1262			17	3.3		2.62	4	40	
Aroclor-1268			17	3.3		8.68	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:29:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.031.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.064		6184	7816
2.112		4931	14170
2.359		13266	9713
2.397		1604	2607
2.519		4507	5106
2.589		376	365
2.6		463	148
2.618		552	327
2.808		23347	23779
2.924		2788	2883
2.961	TCX	45455	30963
3.052		644	673
3.108		1932	1593
3.163		2393	1975
3.212		10837	7428
3.291		2703	4035
3.366		494	735
3.43		10938	6885
3.447		5113	2817
3.484		1309	765
3.516		860	677
3.546		13914	10779
3.64		1274	934
3.656		2141	1247
3.695		498	217
3.716		7060	3903
3.727		12814	6723
3.764		17294	13146
3.822		14723	10434
3.86		1240	1049
3.891		9587	7427
3.918		6570	5366
3.941		1930	945
3.968		2536	2497
4.015		10877	8001
4.039		3930	2503
4.072		3805	2728
4.105		10300	10889
4.146		3428	2897
4.193		633	700
4.231		802	618
4.266		11054	8433
4.285		1732	765
4.308		4431	3867
4.38		1903	2196
4.421		12430	12412
4.561		1152	1226
4.613		1157	759
4.628		2486	1581
4.672		7012	8470
4.722		11547	13053
4.759		2134	1450
4.798		27367	27224
4.886		4284	4980

RT A	Compound A	Height A	Area A
4.944		7663	7686
4.997		35510	49426
5.049		6353	5558
5.088		15902	18512
5.169		2977	3336
5.202		42717	45612
5.268		20640	19825
5.31		12198	11998
5.366		4736	6690
5.406		3894	3066
5.429		22582	20650
5.487		12118	11351
5.525		5996	5920
5.569		1082	991
5.608		7260	7894
5.664		56397	54251
5.691		1439	1291
5.795		665	712
5.818		367	91
5.868		38348	36190
5.898		1292	709
5.925		8071	9426
5.965		2388	2221
5.995		2395	3101
6.063		1009	1137
6.139		6272	8146
6.189		246	257
6.294		17268	19641
6.329		2597	4182
6.42		165	676
6.461		562	513
6.498		4529	5221
6.552		3117	4293
6.625	DCB	1772	2583
6.648		52147	52304
6.705		1844	2421
6.762		475	211
6.816		1634	2160
6.848		331	319
6.87		381	229
6.884		477	210
6.898		782	408
6.928		6068	8484
6.989		574	405

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:29:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.031.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.021		9072	27094
2.229		1981	3373
2.256		2740	2597
2.368		839	686
2.554		4616	4385
2.574		50307	45229
2.642	TCX	77555	45452
2.688		2195	2360
2.811		3906	4936
2.874		5643	7162
2.925		18331	11272
3.038		2299	1412
3.057		1353	937
3.079		1125	190
3.085		951	227
3.096		1371	360
3.132		14487	6986
3.144		6044	2221
3.184		2379	1422
3.205		1298	1030
3.233		1946	957
3.255		21397	14753
3.306		1560	1937
3.338		5731	3122
3.354		2891	1808
3.405		11819	5504
3.415		22567	9653
3.434		1464	345
3.449		21965	15577
3.524		22230	14816
3.559		16778	10452
3.583		18552	19685
3.688		20232	15000
3.71		7054	4016
3.762		4697	2558
3.779		14293	9789
3.819		6228	4532
3.89		3178	2074
3.91		16613	11371
3.975		2748	1897
4.011		17221	13049
4.157		3228	3324
4.215		5198	7619
4.256		6376	3927
4.285		18335	18853
4.313		6999	7251
4.365		43216	36976
4.437		4333	2677
4.461		9083	6921
4.503		51690	46401
4.604		38054	44893
4.657		4824	4046
4.697		15672	14368
4.733		46094	40986

RT B	Compound B	Height B	Area B
4.764		23891	18893
4.803		17109	13877
4.902		5602	8137
4.954		32778	26050
5.027		15842	14746
5.063		8356	7045
5.092		6555	5697
5.147		76535	75120
5.221		3152	3872
5.307		1929	3322
5.36		17396	18114
5.404		51712	57740
5.503		4976	10061
5.63		1768	1841
5.676		9922	10746
5.78		23578	25906
5.944		1451	6775
5.978		5953	4962
6.137	DCB	79940	81805
6.263		12670	41917
6.448		1758	3229
6.709		2356	5475

MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082

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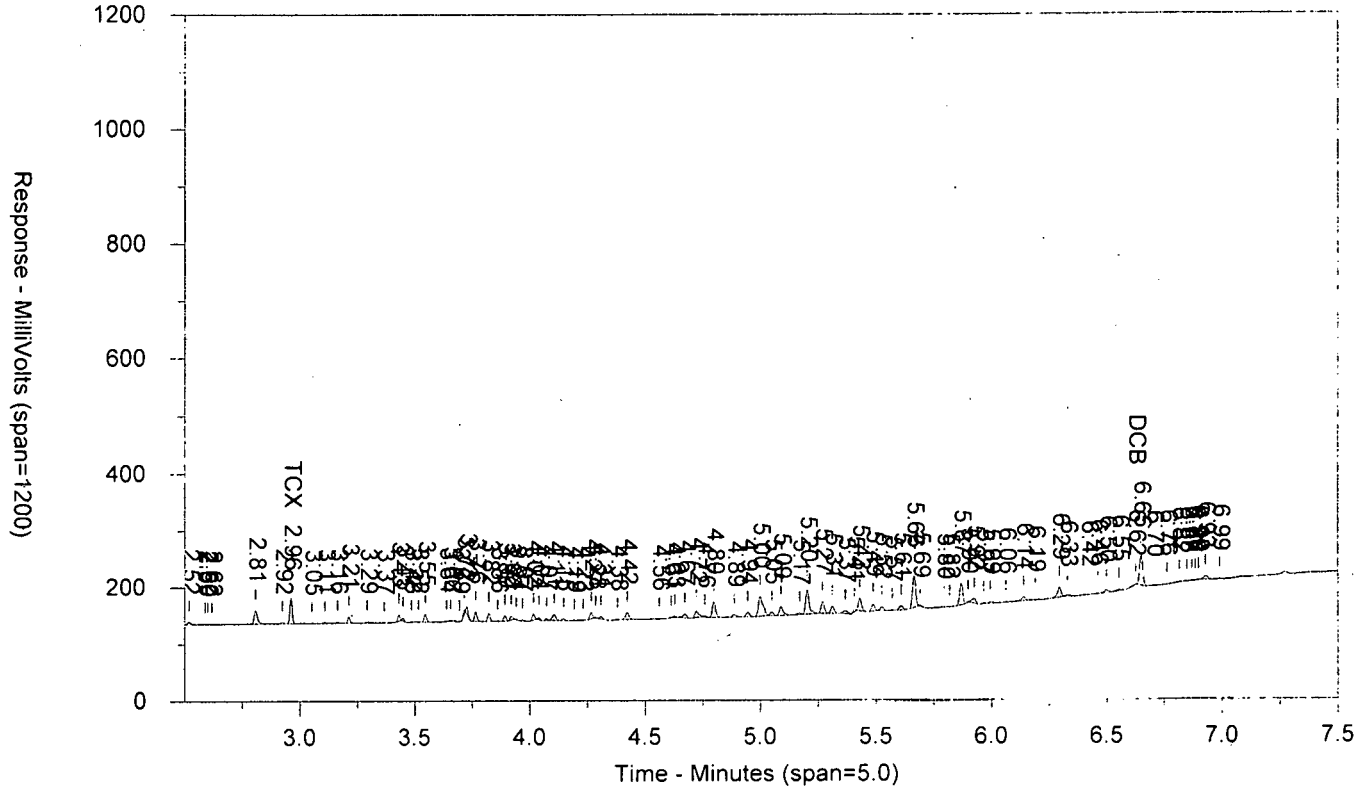

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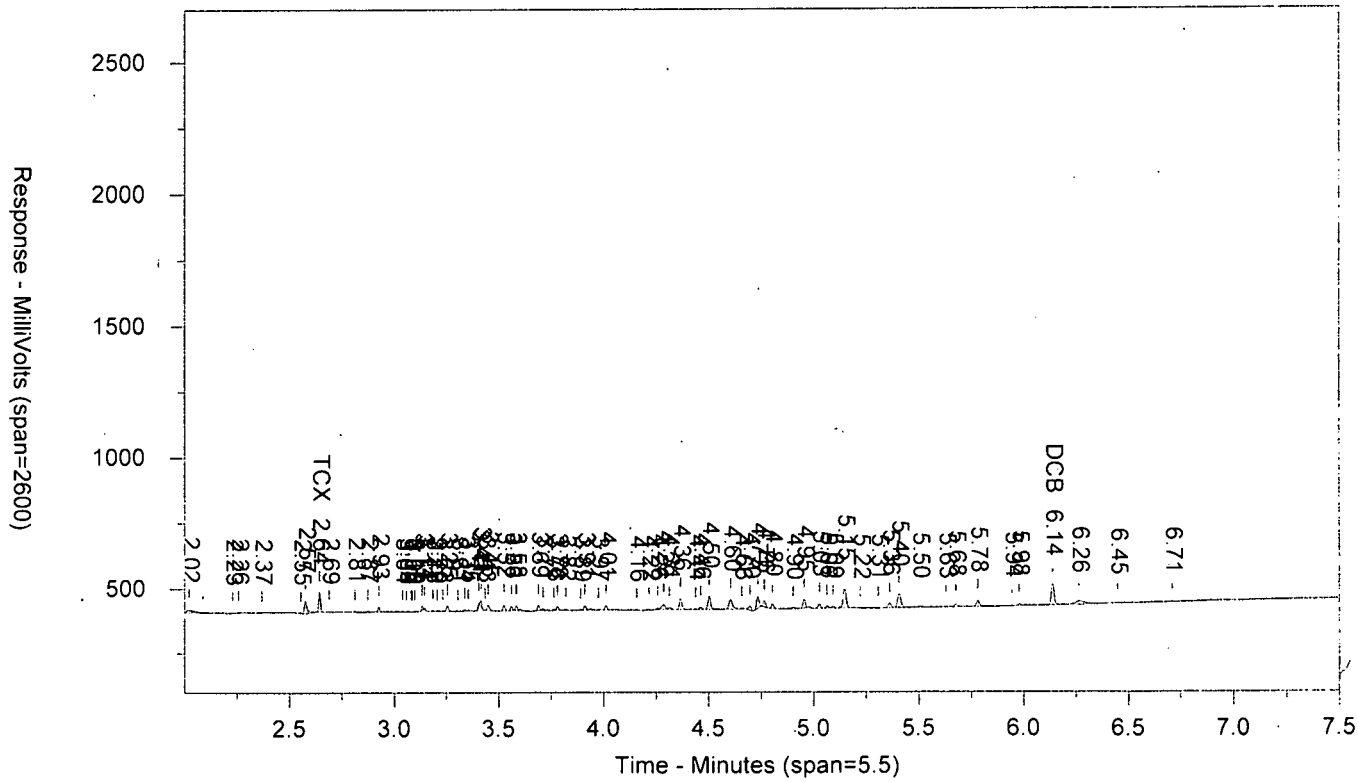

LANCASTER LABORATORIES

Sample Number: MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:29:52 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.961	45455	.4	TCX	2.642	77555	.434	TCX
6.625	1772	.017	DCB	6.137	79940	.529	DCB

Files:
Area File: 25pcbs17257002.031.RAW
Area File: 25pcbs17257002B.031.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 9:38:22 PM
File Reported On: 9/14/2017 at 9:38:34 PM

MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082

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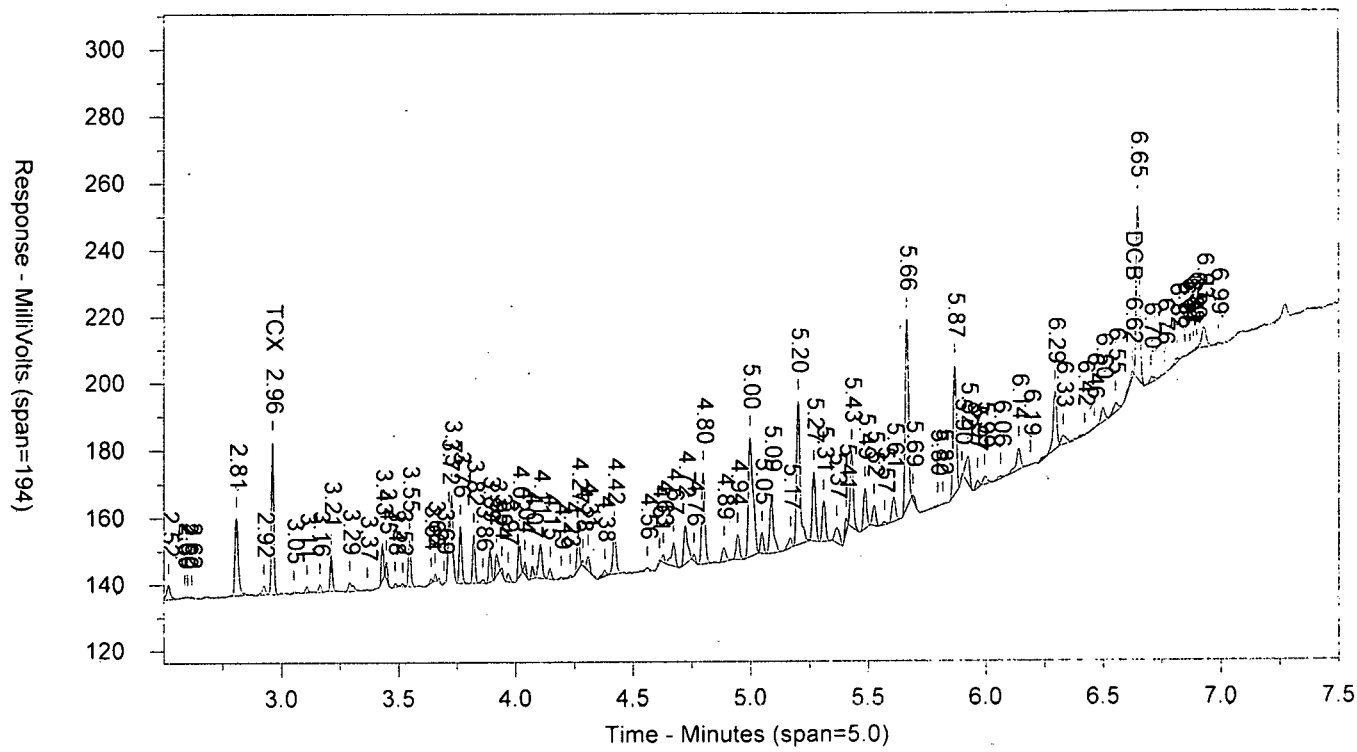

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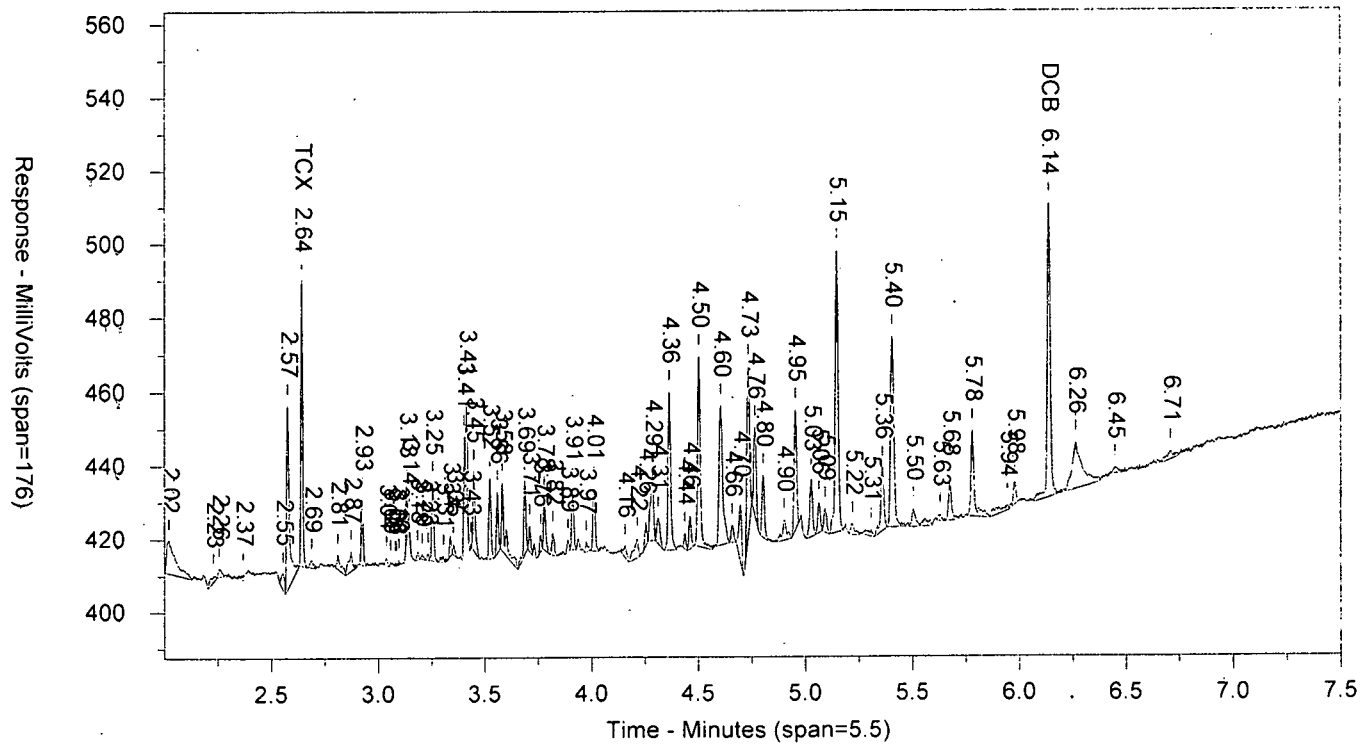

MD16X1724B AAMD16XAA ICAL 1725699999 10736 SW-846 8082

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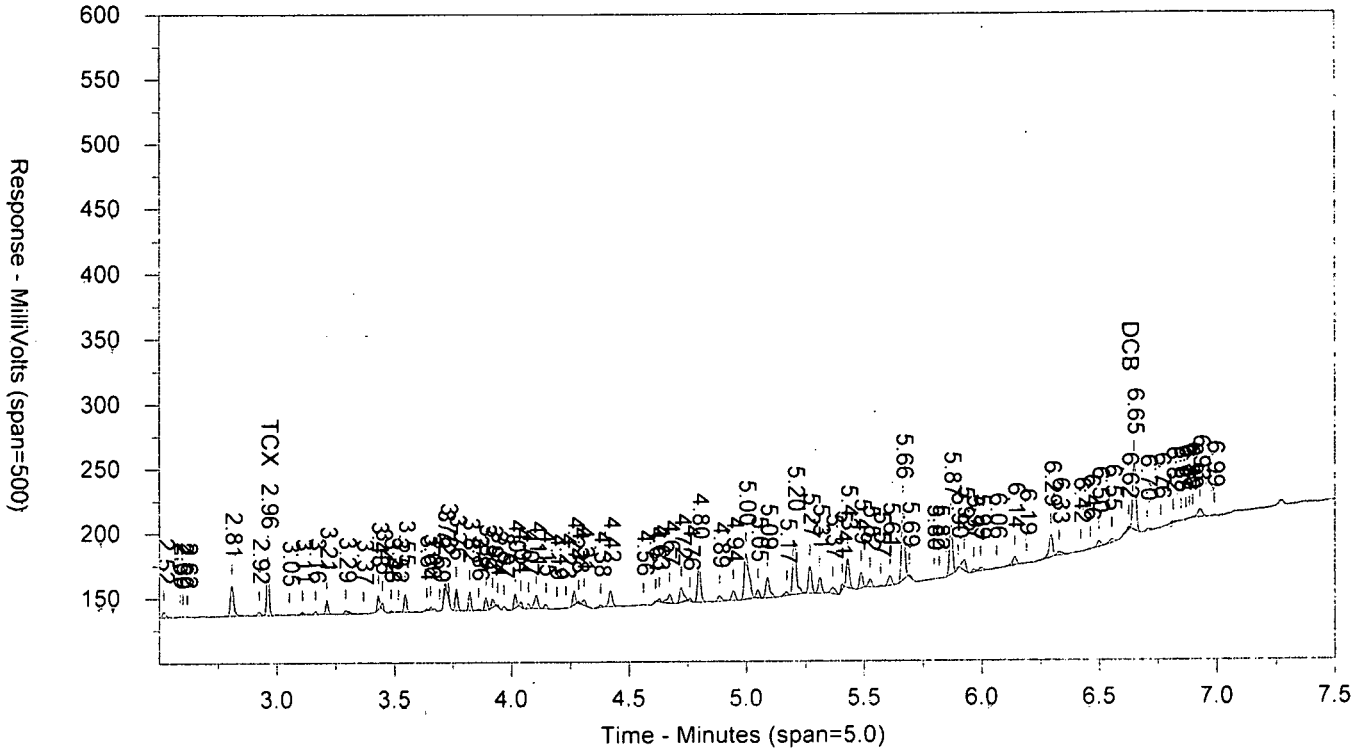

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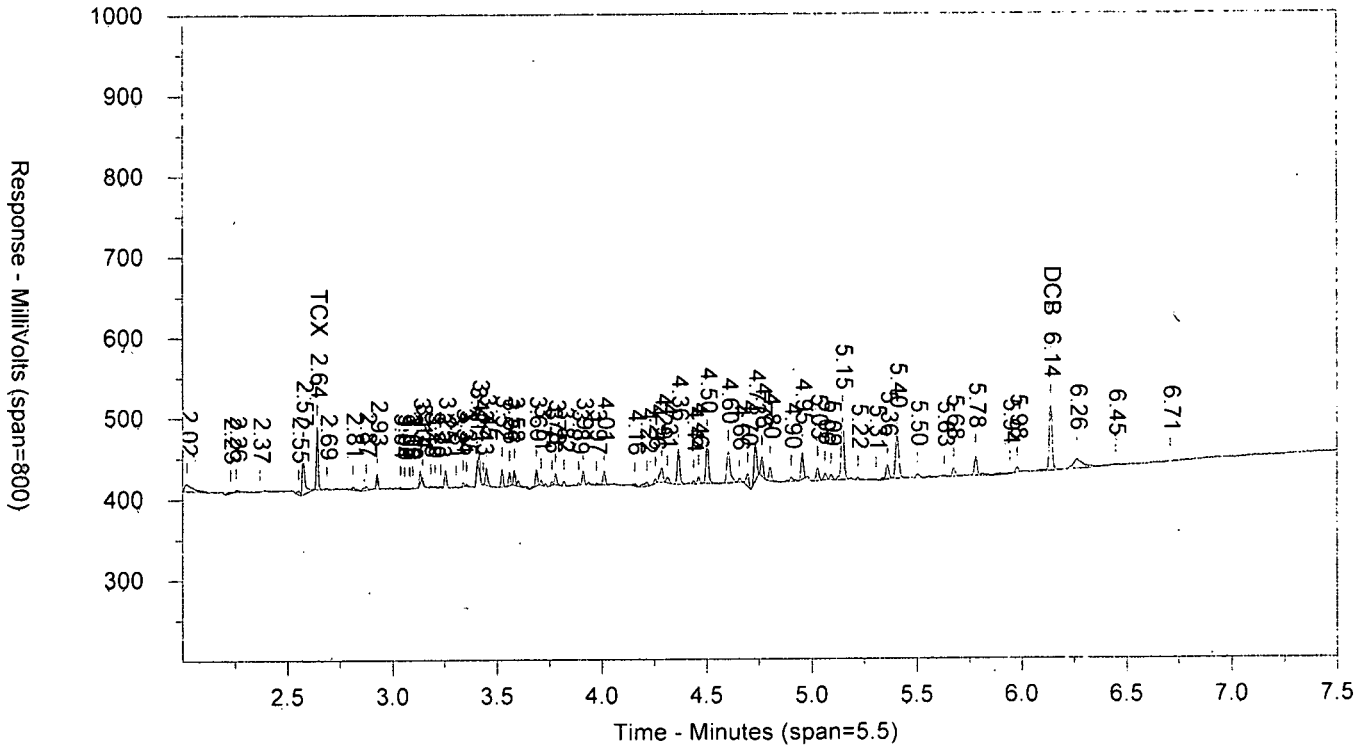

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:41:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.031		505	275
2.063		7700	9180
2.109		4339	11911
2.259		22800	16442
2.358		14509	15597
2.394		1411	2118
2.517		5418	6451
2.571		340	188
2.596		4359	3215
2.682		801	887
2.744		369	167
2.762		436	276
2.807		8965	8147
2.871		1228	937
2.923		3323	2639
2.959	TCX	4794581	3205738
3.057		741	551
3.105		57814	50523
3.161		105873	93925
3.21		369893	270935
3.288		7649	3649
3.303		42470	27064
3.347		1031	696
3.426		383049	234157
3.443		174986	95111
3.48		47307	26714
3.496		4493	1651
3.507		24695	13088
3.541		479852	375944
3.578		2288	1217
3.596		2585	1495
3.617		15362	10123
3.651		107519	63008
3.666		53055	26462
3.71		208475	109984
3.721		529279	287191
3.758		590507	462716
3.816		524151	409726
3.857		39807	28462
3.886		335702	252184
3.913		227801	195088
3.935		66135	36631
4.01		376169	278154
4.034		124841	83890
4.066		139927	100059
4.099		326612	334389
4.139		98456	79541
4.186		9428	8235
4.225		12192	8608
4.26		327462	344919
4.302		60161	46074
4.372		51079	45208
4.416		359939	364534
4.45		6388	4056

RT A	Compound A	Height A	Area A
4.512		2996	2344
4.554		30023	30233
4.606		31554	21601
4.622		101046	75908
4.667		226700	215543
4.716		389410	441234
4.753		79590	57888
4.792		864555	869953
4.836		3158	2186
4.879		133874	142572
4.914		14393	9780
4.939		169001	161825
4.991		1089271	1419611
5.043		209552	199427
5.082		525926	612533
5.161		112605	133020
5.195		1342865	1448662
5.236		10265	3789
5.262		649155	630669
5.304		414408	407537
5.363		3224	3807
5.399		156658	126173
5.423		706185	660157
5.48		390416	368305
5.518		207914	216754
5.56		52239	52861
5.602		251999	283953
5.658		1985438	2119364
5.747		582	482
5.808		1044	1323
5.862		1221505	1148764
5.893		62015	37924
5.917		245432	273357
5.993		4477	6298
6.054		74282	76954
6.133		231565	344670
6.22		435	606
6.232		564	186
6.288		515970	539215
6.334		34851	33445
6.401		192	791
6.421		1045	831
6.448		611	187
6.491		209521	229054
6.546		3536	4664
6.641	DCB	4169934	4431936
6.744		679	233
6.758		461	227
6.778		435	438
6.81		2548	3650
6.839		542	425
6.872		401	694
6.921		6081	8186
6.976		710	267

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:41:08 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.015		7427	14625
2.082		16156	11279
2.23		2356	4980
2.327		7073	4896
2.52		3419	5005
2.576		19791	17345
2.6		1581	1020
2.642	TCX	7503723	4280051
2.685		54183	38494
2.812		111674	76797
2.859		69765	32563
2.873		98528	48609
2.925		585561	357838
2.975		19493	12468
3.036		82282	52390
3.083		785	221
3.099		622	120
3.112		1141	373
3.131		472574	240758
3.143		168405	67894
3.183		93505	56810
3.204		42025	23165
3.23		63438	35413
3.254		694865	475513
3.29		26571	15653
3.318		4033	1514
3.337		188689	101285
3.352		106805	51646
3.379		1775	774
3.403		430096	193024
3.412		777936	329607
3.432		27345	9611
3.446		700154	501595
3.521		778389	503640
3.555		520143	330350
3.579		615026	489825
3.684		644399	440730
3.707		247550	136072
3.727		208976	130429
3.757		133264	70256
3.774		404146	256665
3.815		149922	107368
3.863		16523	14640
3.885		63717	38143
3.906		471482	338565
3.933		72815	49186
3.971		77632	50198
4.005		516877	388306
4.055		44722	64554
4.117		3005	1775
4.151		37294	38972
4.185		7006	4328
4.208		131048	90090
4.251		159382	99662

RT B	Compound B	Height B	Area B
4.282		528658	521422
4.308		221382	230022
4.359		1296381	1041000
4.407		21004	14107
4.431		90720	62695
4.454		283329	207887
4.497		1573595	1263260
4.6		1280002	1265164
4.653		156249	132021
4.691		368576	320146
4.727		1451477	1262476
4.759		740378	548069
4.797		553530	442701
4.897		188544	209183
4.948		1005685	837073
4.973		102931	70212
5.022		527988	508901
5.058		263568	213685
5.087		200264	177364
5.141		2509878	2408944
5.182		52474	38477
5.214		112030	92977
5.331		24746	16341
5.355		509814	444120
5.399		1677627	1868271
5.553		104239	91999
5.599		42883	29874
5.621		64244	48114
5.671		317519	292905
5.776		686418	608561
5.808		41621	29920
5.931		1978	1459
5.974		287434	283472
6.094		1660	1345
6.133	DCB	6016115	5439411
6.259		8583	16093
6.585		5593	5167
6.758		2114	7695
6.894		1388	1883

IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082

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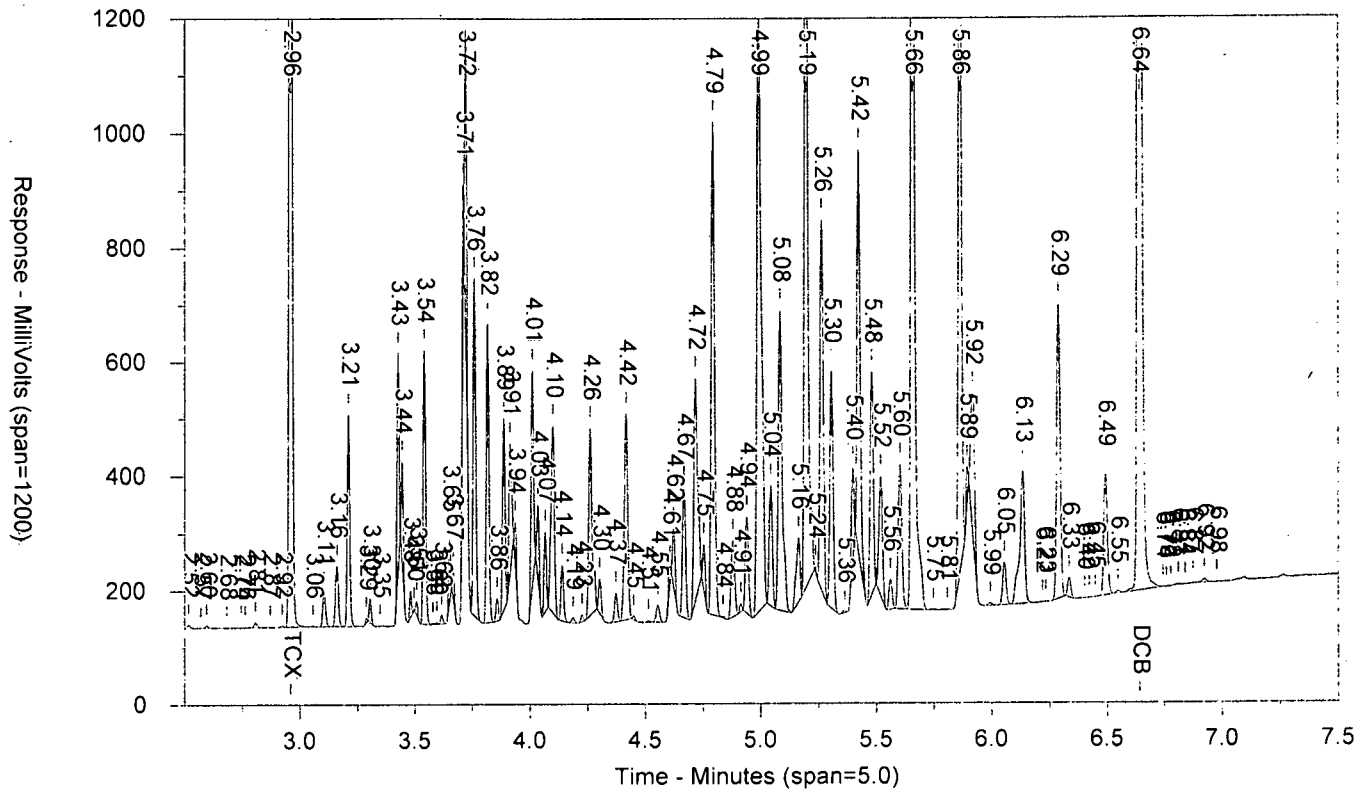

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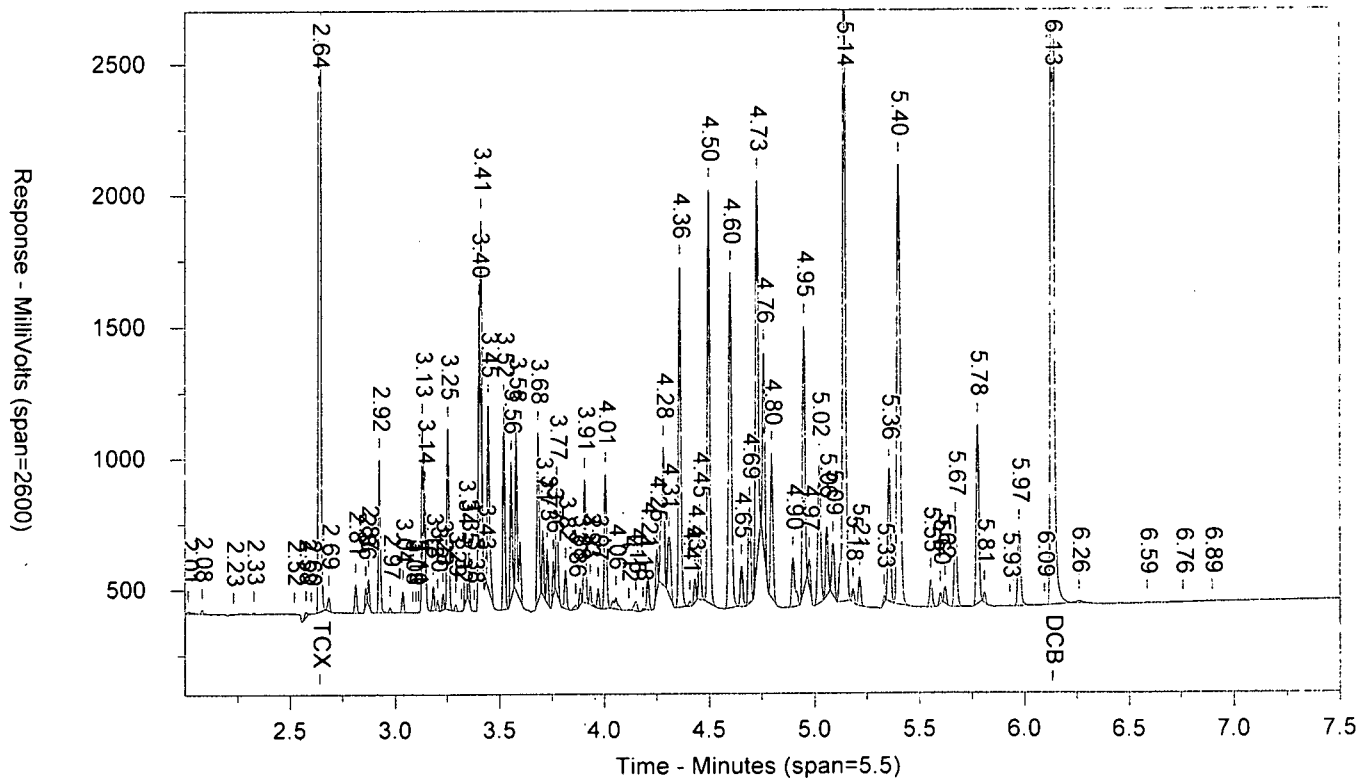

LANCASTER LABORATORIES

Sample Number: IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:41:08 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	4794581	42.181	TCX	2.642	7503723	41.98	TCX
6.641	4169934	39.159	DCB	6.133	6016115	39.843	DCB

Files:
Area File: 25pcbs17257002.032.RAW
Area File: 25pcbs17257002B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 9:49:41 PM
File Reported On: 9/14/2017 at 9:49:48 PM

IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082

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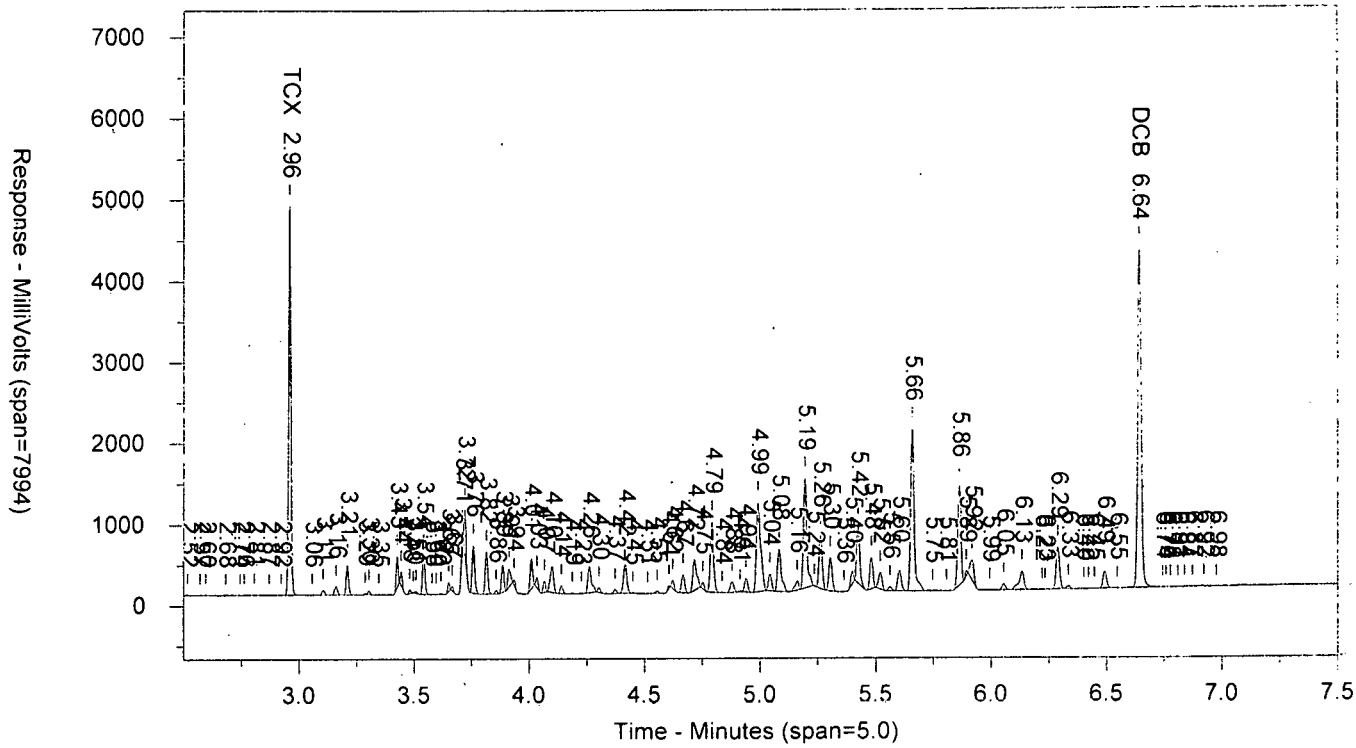

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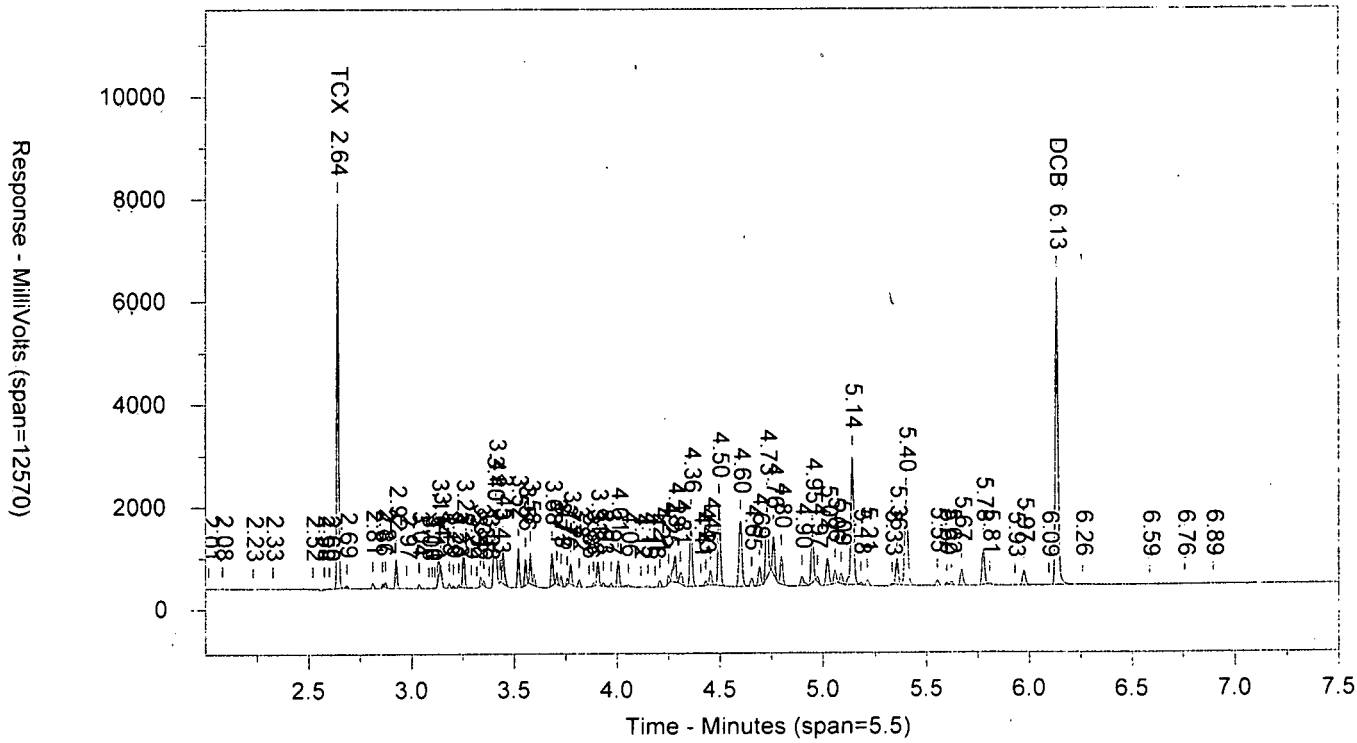

IC16X1724C AAIC16XAA CCAL 1725699999 10736 SW-846 8082

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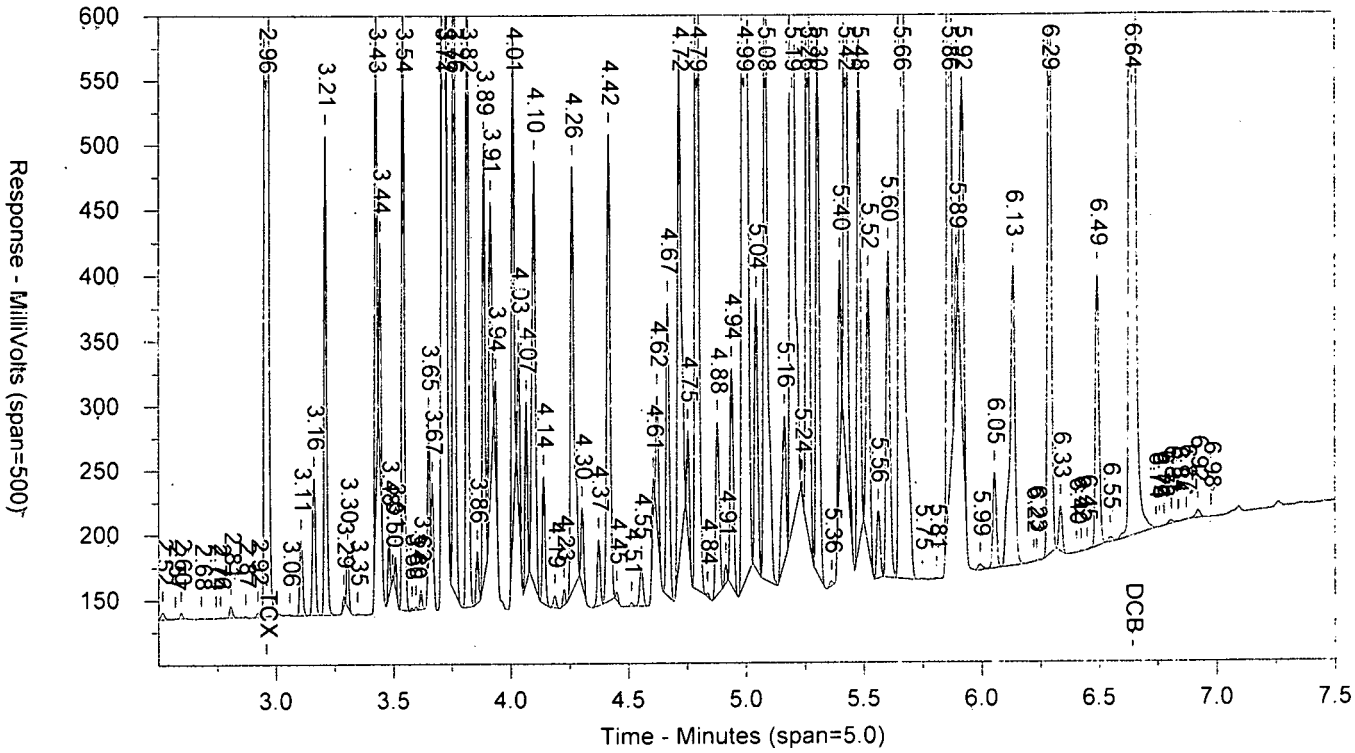

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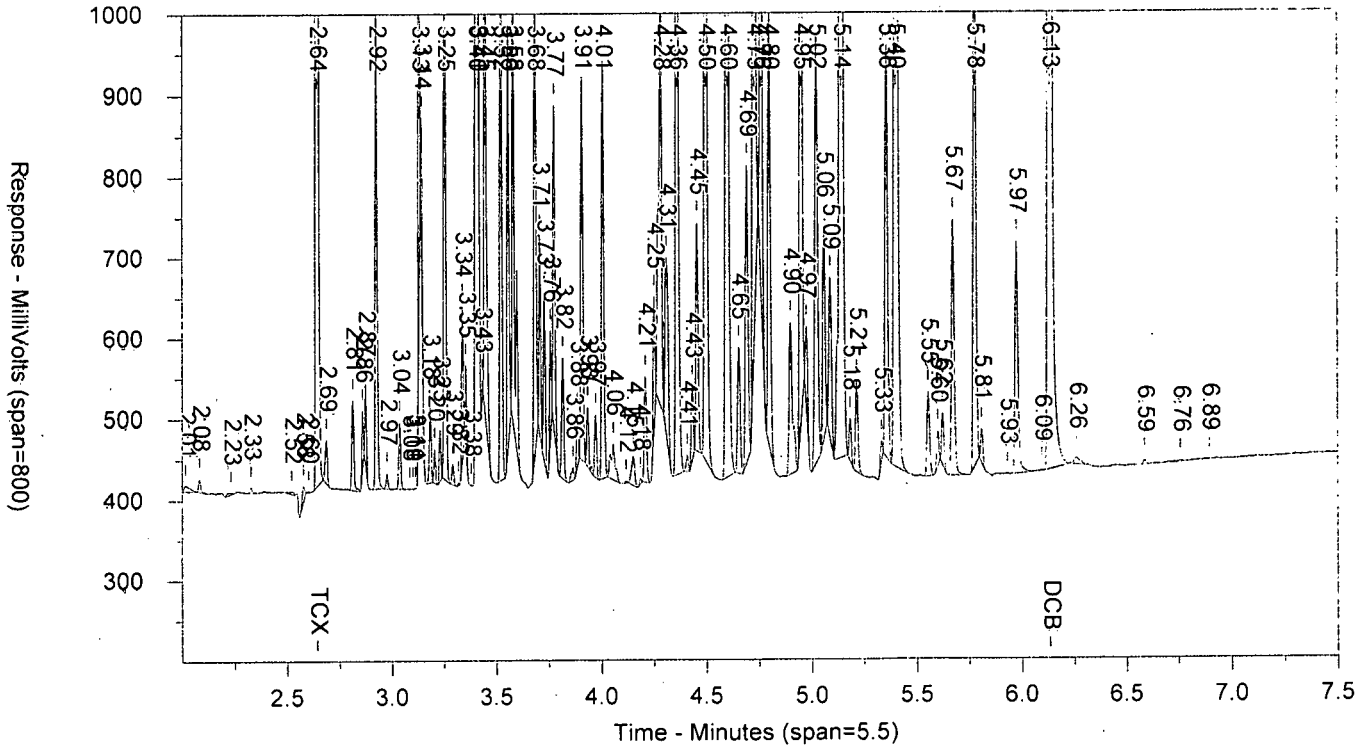

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:52:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		7513	8878
2.109		5224	12117
2.26		21617	15929
2.338		316	365
2.359		11472	12844
2.394		1113	1502
2.518		5540	6352
2.682		618	656
2.783		377	671
2.806		24380	24738
2.871		497	451
2.923		3526	2679
2.96	TCX	4588394	3061657
3.107		7061	6562
3.157		60117	43353
3.21		47504	34823
3.288		10479	5719
3.304		8682	4873
3.36		400	271
3.39		342	250
3.426		179931	112772
3.443		48688	24500
3.48		13076	7922
3.507		1713	794
3.542		179594	139963
3.58		664	351
3.599		1527	817
3.617		2097	1209
3.633		793	289
3.652		34489	20402
3.666		7302	3769
3.71		179790	92397
3.72		179668	91638
3.758		227259	185508
3.816		272471	216924
3.858		39518	27974
3.885		457245	343871
3.913		284311	227420
3.935		87089	48569
4.01		545430	396120
4.033		149107	99323
4.065		191843	142111
4.098		454175	451749
4.139		162555	135607
4.187		18080	16195
4.225		54556	43015
4.259		377665	259160
4.278		503253	316218
4.302		570342	449425
4.373		50011	46788
4.408		367830	329317
4.427		118851	63404
4.45		128142	89942
4.49		8000	5172

RT A	Compound A	Height A	Area A
4.512		30104	23980
4.555		172225	161888
4.606		239314	216999
4.636		135987	108417
4.666		399858	372209
4.716		3596	2508
4.75		163604	164067
4.793		30969	40374
4.839		45044	40792
4.88		307735	298343
4.914		12012	8908
4.959		27219	34515
4.993		9308	7927
5.005		16723	11681
5.044		1406	789
5.077		316071	329034
5.126		7580	5374
5.155		16618	19224
5.197		77079	70728
5.218		2564	1221
5.236		5095	3109
5.264		2834	2112
5.307		1622	1758
5.359		5718	8024
5.402		29305	25126
5.423		3605	2437
5.48		2153	2003
5.515		2094	2376
5.56		19444	19416
5.599		16966	15159
5.624		2654	1940
5.659		7116	5130
5.683		22344	21010
5.801		336	1021
5.864		10267	9898
5.895		674	449
5.921		1837	1986
5.953		801	686
5.99		5544	7763
6.055		39320	37861
6.119		38814	52470
6.194		531	189
6.28		4963	8411
6.324		2947	2904
6.378		368	453
6.424		1108	785
6.464		684	622
6.492		45514	47419
6.547		4024	5481
6.641	DCB	3901120	4237362
6.768		528	363
6.804		3415	4903
6.867		614	625
6.918		5448	7943
6.98		659	340

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:52:26 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.016		10169	19041
2.083		14339	9559
2.173		2621	5012
2.216		2272	1471
2.236		1410	898
2.263		2407	3667
2.391		1806	1735
2.552		4135	4000
2.575		54430	47346
2.642	TCX	7172600	4113565
2.813		13591	12883
2.86		95645	67625
2.925		80183	50242
2.975		18247	10270
3.037		21212	13248
3.065		767	136
3.07		932	201
3.079		531	205
3.099		425	161
3.111		371	85
3.132		243777	125188
3.142		33654	11612
3.183		24761	14354
3.204		5292	3353
3.23		7050	3587
3.253		264028	180076
3.291		4883	3359
3.318		2667	1258
3.337		60943	33040
3.352		17495	8061
3.402		287621	138490
3.412		298877	121367
3.432		61962	24739
3.446		264055	165522
3.521		415726	270679
3.556		726028	445042
3.579		688290	574377
3.683		923666	822510
3.727		300890	180778
3.756		133603	68116
3.773		620450	400592
3.814		255471	182325
3.863		49338	41453
3.884		497984	317025
3.907		1098657	748115
3.932		834219	622149
3.97		63683	35860
4.005		359495	267051
4.041		609395	525163
4.07		334623	207944
4.116		50214	34764
4.151		228209	187763
4.185		5128	2904
4.208		369506	304031

RT B	Compound B	Height B	Area B
4.241		225151	163518
4.269		574776	454366
4.362		243600	250876
4.399		62951	48495
4.432		411746	346746
4.472		16601	10329
4.497		40950	28094
4.524		33790	27364
4.597		61737	65676
4.65		402546	360145
4.69		18550	23581
4.728		100951	105810
4.775		13890	9597
4.915		5392	4924
4.949		4798	3510
4.974		44071	37336
5.058		2895	2951
5.095		24289	19898
5.122		18622	12367
5.141		8162	5002
5.215		26231	26392
5.355		6667	10534
5.399		13563	16519
5.554		52635	54015
5.622		50963	51136
5.671		19766	19256
5.78		3309	2867
5.908		1105	3603
5.93		2008	1720
5.975		63946	55684
6.095		1483	1399
6.133	DCB	5520264	5214592
6.256		7581	15692
6.444		2038	4594
6.587		6329	7717
6.71		1830	3797
6.895		1739	6076

IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082

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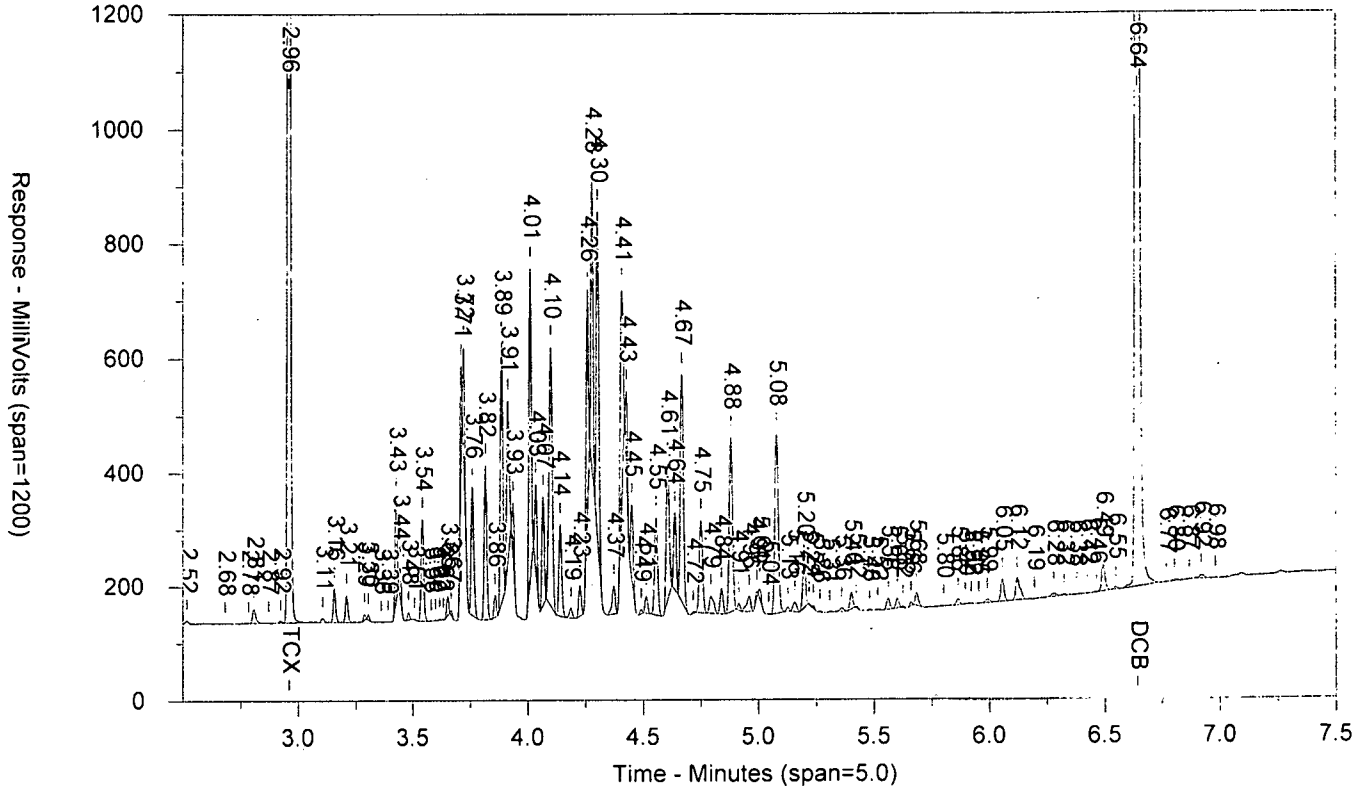

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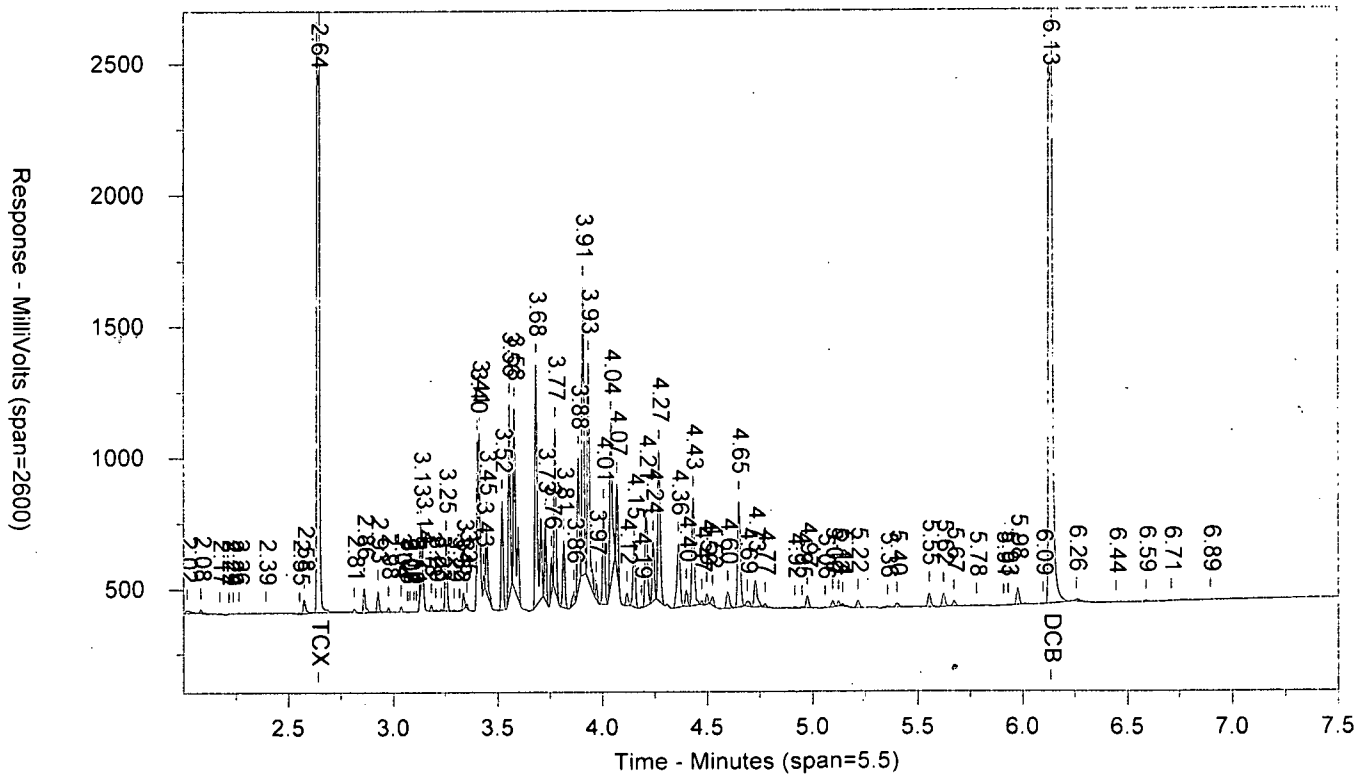

LANCASTER LABORATORIES

Sample Number: IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 9:52:26 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4588394	40.367	TCX	2.642	7172600	40.127	TCX
6.641	3901120	36.635	DCB	6.133	5520264	36.559	DCB

Files:
Area File: 25pcbs17257002.033.RAW
Area File: 25pcbs17257002B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 10:00:58 PM
File Reported On: 9/14/2017 at 10:01:12 PM

IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082

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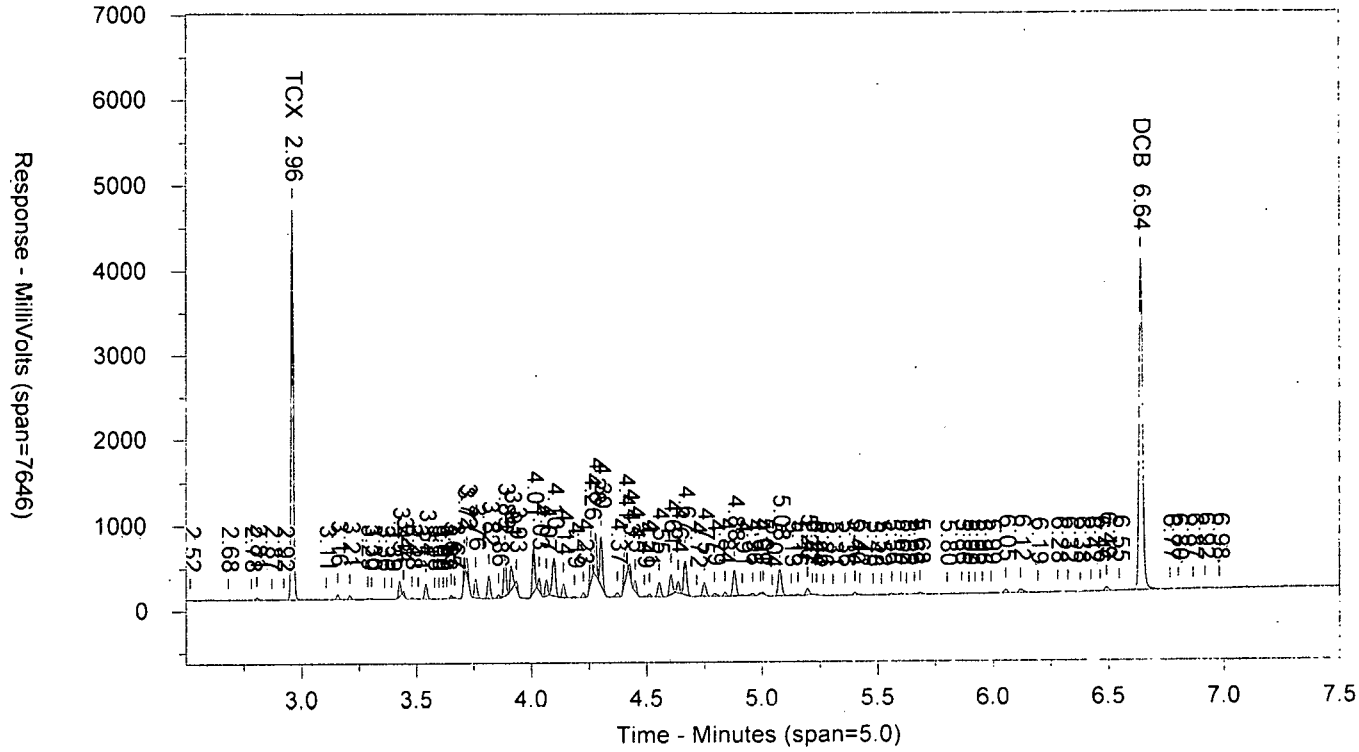

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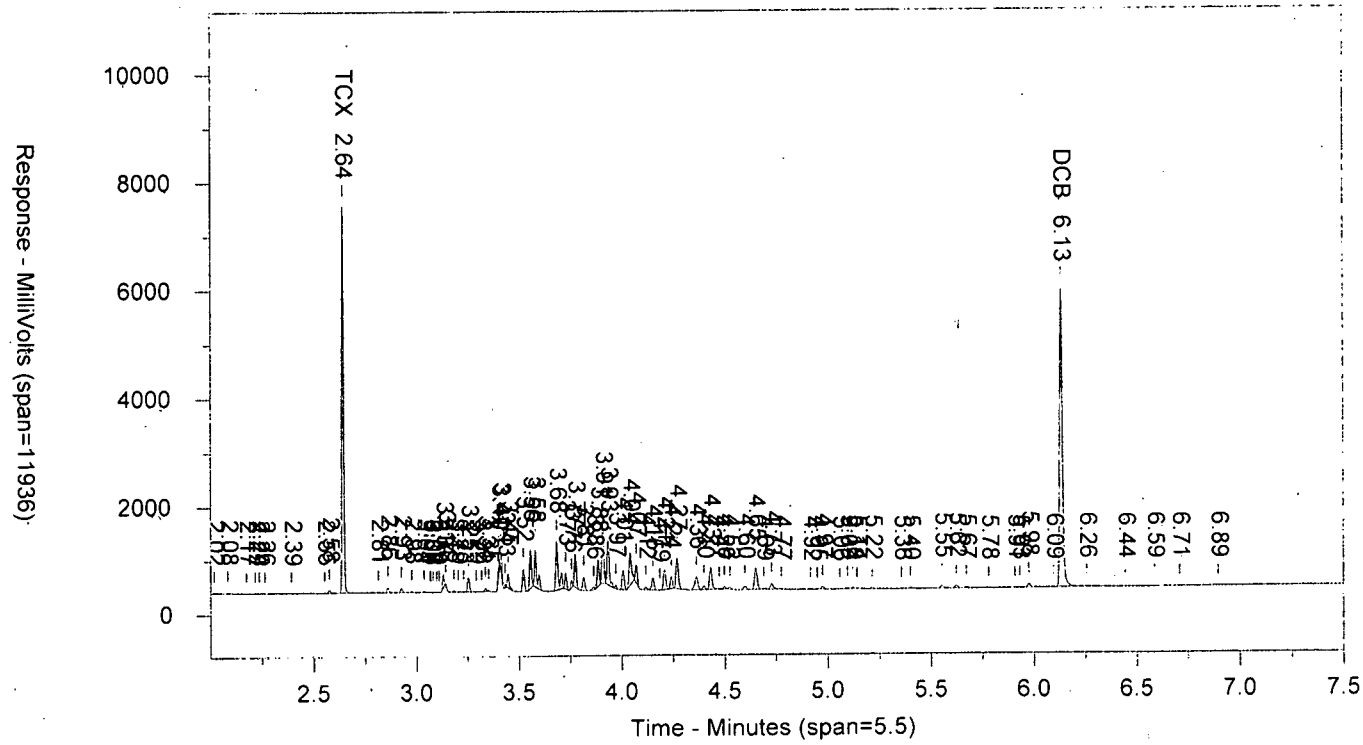

IC48X1724B AAIC48XAA CCAL 1725699999 10736 SW-846 8082

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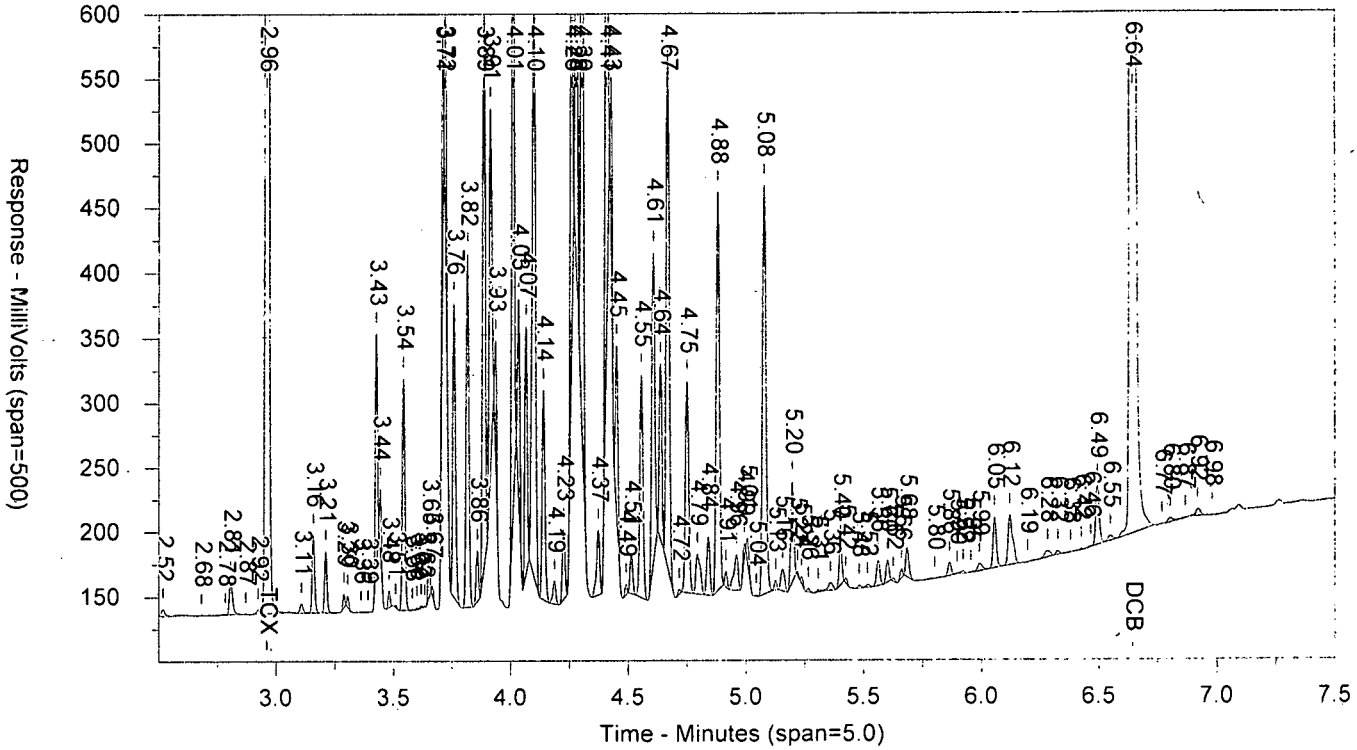

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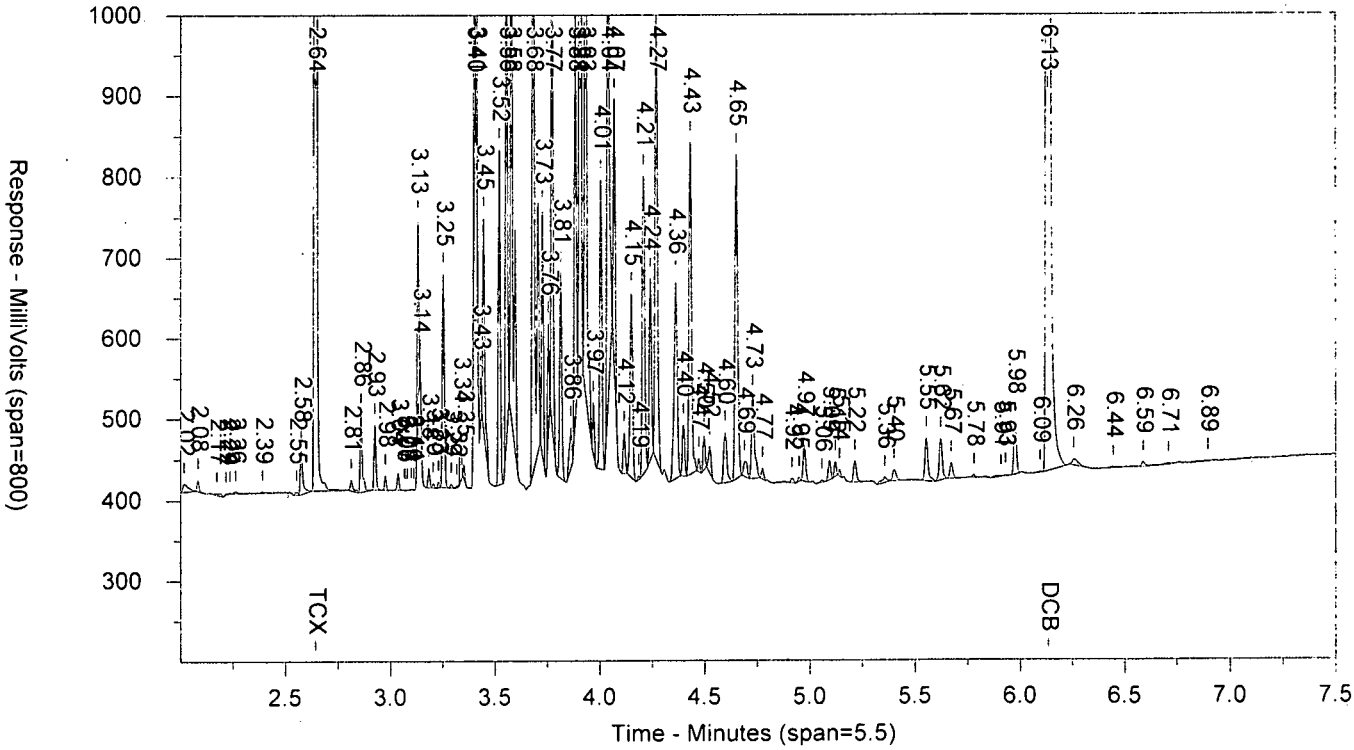

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 10:03:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257002.034.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6771	8250
2.11		4937	14118
2.26		10795	7716
2.358		16974	14248
2.397		1536	1506
2.468		424	431
2.518		4749	5768
2.566		420	202
2.614		505	404
2.678		553	676
2.741		355	137
2.806		19577	19505
2.922		3208	3012
2.96	TCX	2216595	1518639
3.108		2174	2069
3.156		29791	20991
3.21		9021	6834
3.288		8172	7386
3.364		460	378
3.426		10958	6833
3.442		3960	2211
3.48		1006	409
3.496		1593	1370
3.54		14163	11622
3.597		1148	618
3.618		2376	1374
3.651		1858	965
3.665		1163	594
3.709		12890	7049
3.72		6348	5598
3.759		21664	17699
3.815		16180	12647
3.855		2111	1493
3.885		451181	346243
3.912		110918	81051
3.934		9051	4615
3.961		3151	2317
4.009		290414	229745
4.033		13905	7779
4.065		26147	19457
4.098		132863	113405
4.138		25015	21283
4.174		3447	3860
4.224		25202	19812
4.259		621525	450164
4.277		203675	120206
4.303		201907	163803
4.372		208300	181651
4.414		1069814	1182988
4.449		414460	348424
4.489		14422	9417
4.511		77343	60982
4.553		399369	378235
4.603		763520	696394

RT A	Compound A	Height A	Area A
4.635		176090	118906
4.665		1545446	1401014
4.715		66042	48199
4.729		13638	5569
4.749		195580	154885
4.79		476965	517138
4.837		109593	99891
4.878		1118914	1097073
4.909		15989	9948
4.938		122603	151475
4.989		605310	1008811
5.041		11769	8285
5.077		866870	927062
5.123		98309	77460
5.149		82795	125517
5.195		1213684	1285458
5.234		37006	22702
5.261		39560	30397
5.304		48199	58816
5.373		2600	4872
5.399		349259	309652
5.423		71256	52814
5.453		1715	838
5.48		50911	44926
5.518		42679	41176
5.558		16190	14184
5.597		251994	231613
5.623		33170	22167
5.657		184860	174440
5.683		4690	6333
5.757		1338	1530
5.861		169439	162036
5.891		23807	21777
5.99		7106	11018
6.053		19186	19924
6.116		21876	39676
6.284		12643	18174
6.32		2373	2296
6.393		499	656
6.42		740	636
6.463		752	673
6.49		23253	24526
6.545		5692	7661
6.638	DCB	1943123	2181944
6.761		461	124
6.802		4637	7205
6.877		412	781
6.918		6428	8860
6.979		679	655

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 10:03:47 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 2855
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257002B.034.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.019		8584	17465
2.083		6932	5436
2.221		1612	1864
2.263		2177	2582
2.388		3075	9721
2.549		6012	6821
2.575		41910	36663
2.642	TCX	3555711	2044834
2.812		3636	4954
2.859		50551	33868
2.925		14847	9897
2.976		9590	6303
3.06		587	400
3.081		746	142
3.086		868	157
3.097		890	327
3.103		511	83
3.111		795	304
3.132		13395	6182
3.143		5167	1800
3.172		805	104
3.185		1820	911
3.207		5572	6726
3.254		20179	14382
3.291		6277	4080
3.32		1834	985
3.336		4353	2209
3.353		3268	2771
3.402		20109	9670
3.412		12562	4880
3.432		12741	5808
3.446		21453	15665
3.521		26426	17120
3.555		704208	448255
3.579		206195	136390
3.683		470776	337328
3.727		42691	29781
3.756		8332	3761
3.773		180166	117432
3.814		43843	31176
3.853		33435	27442
3.884		142203	85670
3.906		1551808	1085042
3.932		161056	88929
3.95		155173	82790
3.969		279805	178295
4.005		1518069	1072779
4.037		700933	933361
4.115		121104	90134
4.15		579594	443691
4.208		1239286	944414
4.241		332969	259256
4.268		2211915	1695290
4.306		147897	146505

RT B	Compound B	Height B	Area B
4.36		990597	888692
4.398		157210	125337
4.43		1484306	1388225
4.496		856639	802040
4.596		782827	809711
4.649		1072233	893217
4.688		257483	226226
4.727		1543535	1608684
4.774		117071	77435
4.797		48684	31556
4.857		20231	23385
4.914		89958	84368
4.948		80856	56522
4.973		503819	437006
5.022		58209	51583
5.058		56961	45610
5.088		34829	30930
5.12		241468	177137
5.141		152868	121818
5.213		17084	15984
5.355		10104	13133
5.397		232150	248371
5.553		27656	26967
5.6		8025	4807
5.621		24027	18390
5.67		18506	18150
5.777		14268	12244
5.936		1765	9611
5.973		33977	35814
6.08		1688	2025
6.132	DCB	2867029	2653322
6.254		10421	30868
6.438		2476	5266
6.584		3402	5739
6.705		1425	1822
6.923		1556	5607

IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082

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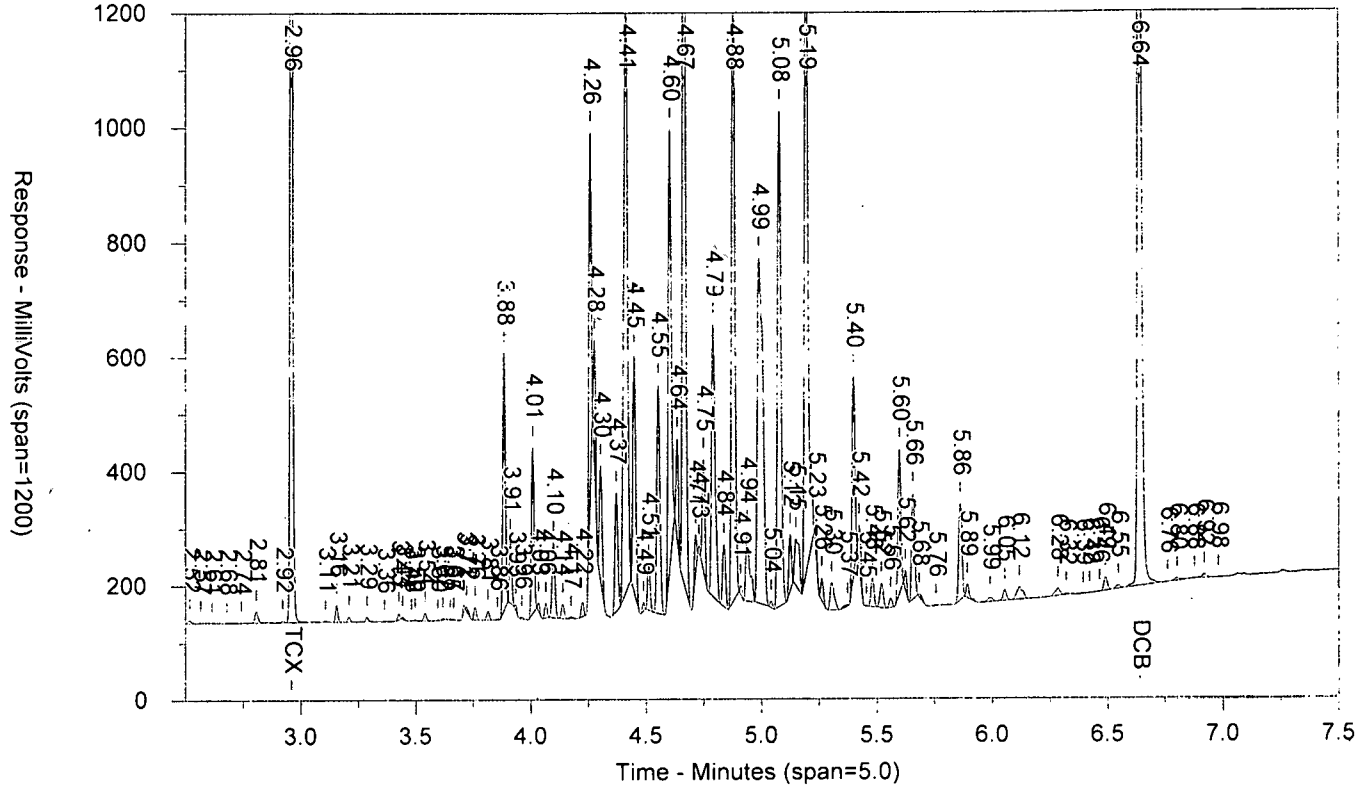

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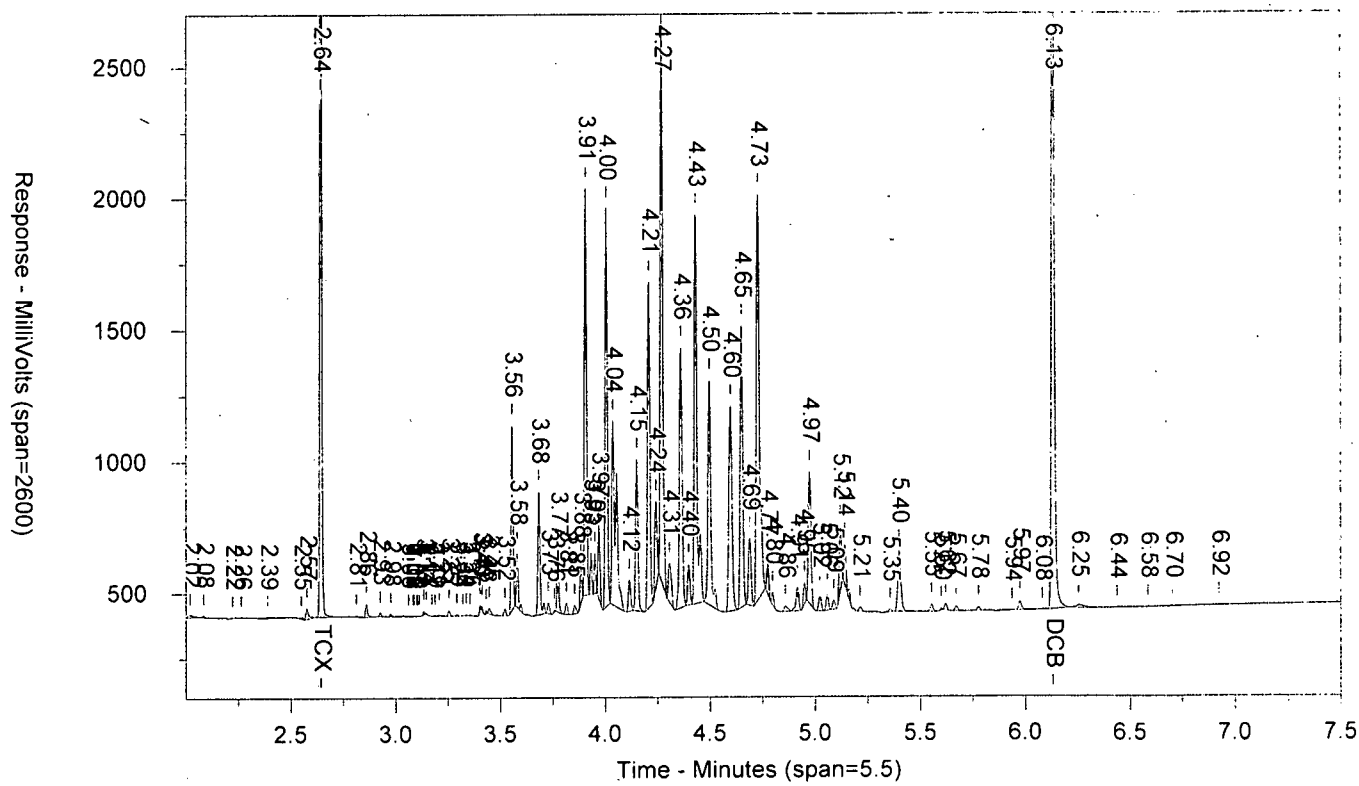

LANCASTER LABORATORIES

Sample Number: IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082
Injected On: 9/14/2017 10:03:47 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 2855

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	2216595	19.501	TCX	2.642	3555711	19.892	TCX
6.638	1943123	18.247	DCB	6.132	2867029	18.987	DCB

Files:
Area File: 25pcbs17257002.034.RAW
Area File: 25pcbs17257002B.034.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/14/2017 10:12:18 PM
File Reported On: 9/14/2017 at 10:12:35 PM

IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082

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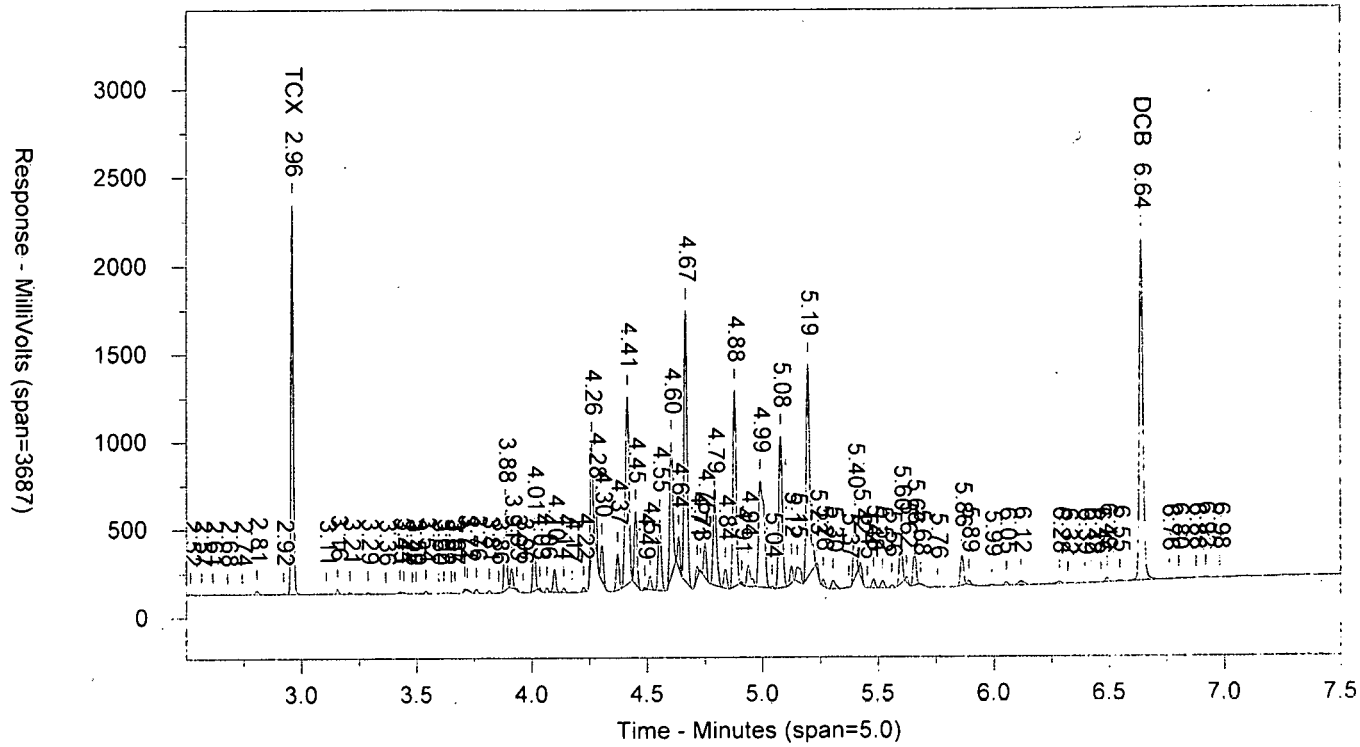

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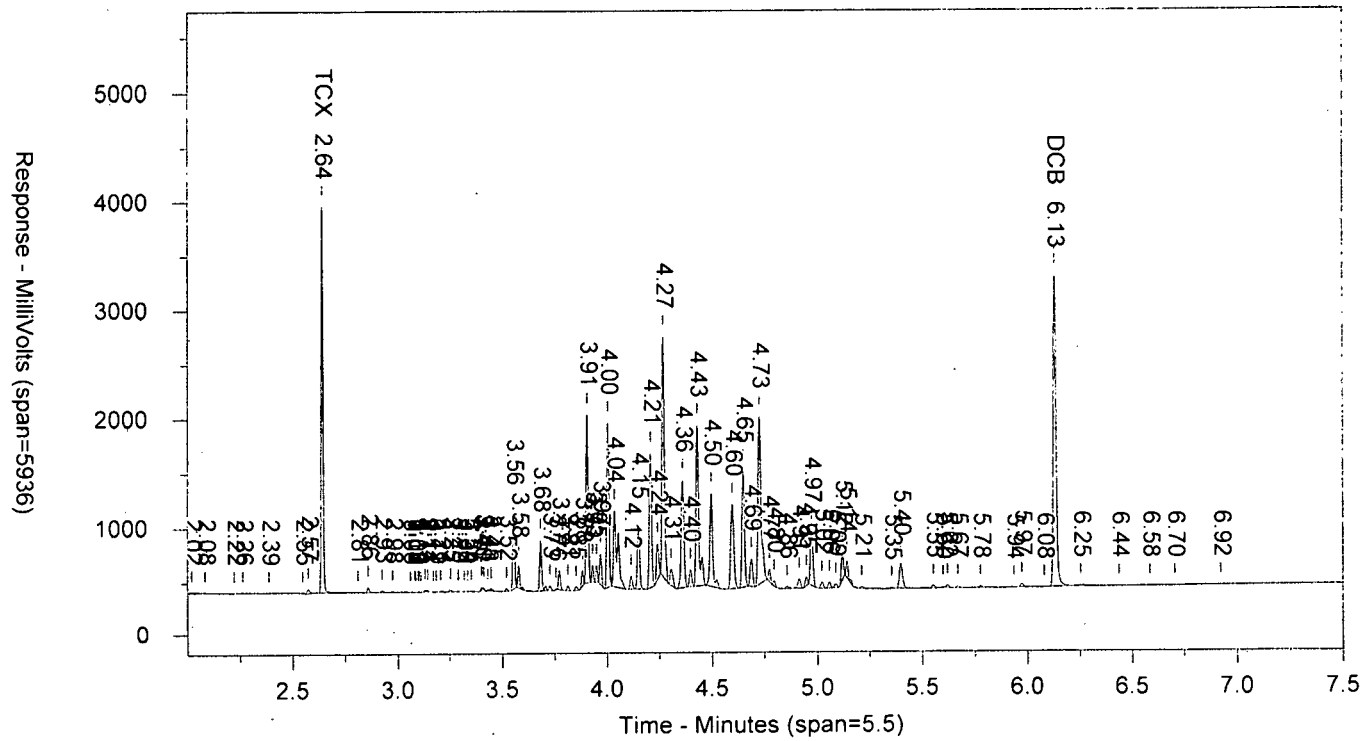

IC54X1724A AAIC54XAA CCAL 1725699999 10736 SW-846 8082

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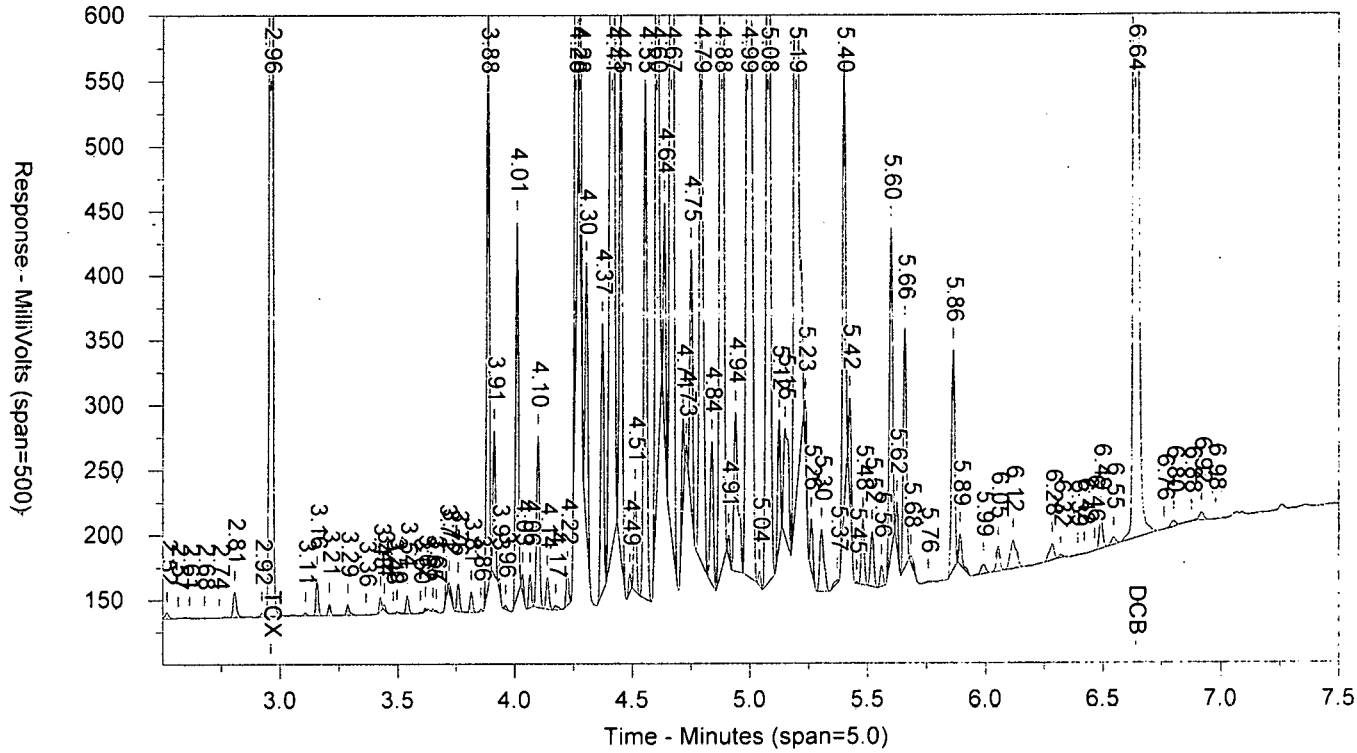

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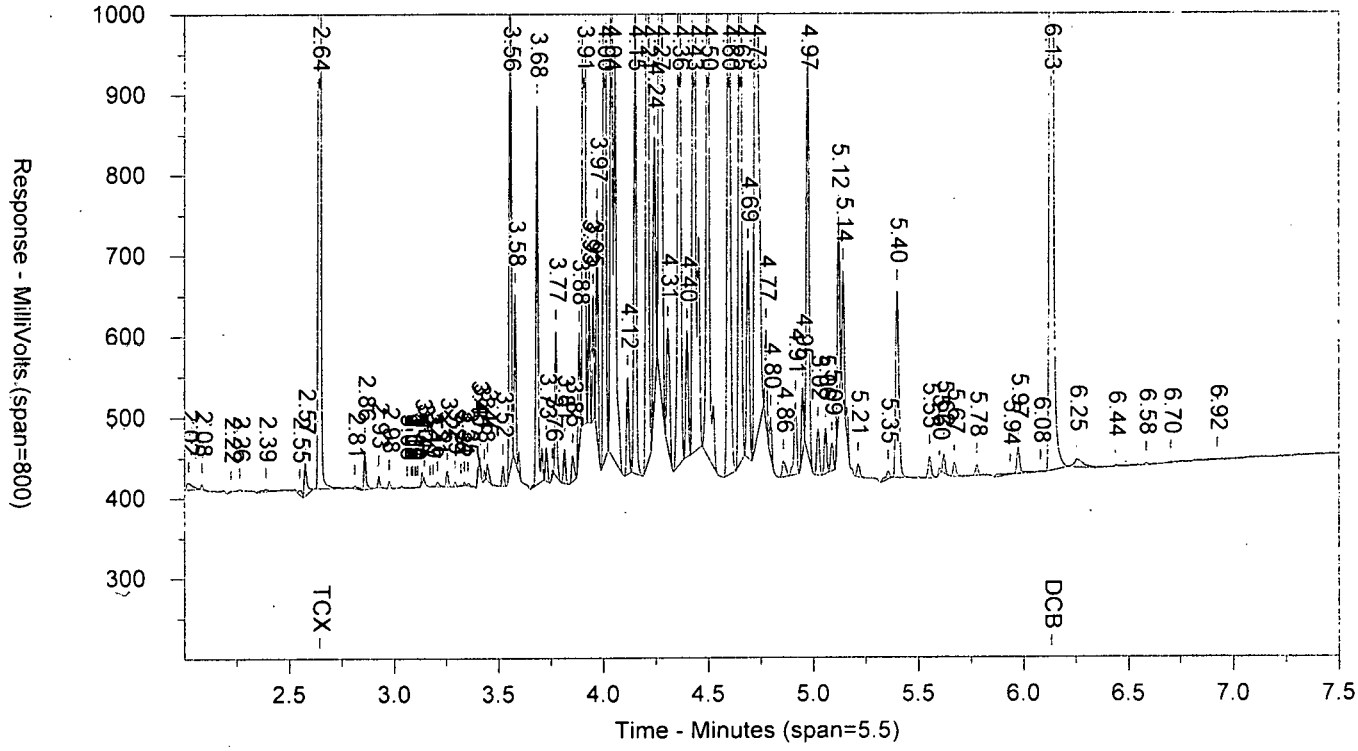

LANCASTER LABORATORIES

Sample Number: AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:39:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.074.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6036	7594
2.105		6693	15655
2.187		1096	1726
2.26		21389	14980
2.358		12758	13631
2.392		1749	1508
2.419		745	629
2.517		5327	6801
2.568		452	321
2.596		3795	2349
2.682		626	577
2.704		760	717
2.806		4371	4244
2.873		689	530
2.888		1025	568
2.923		2909	2613
2.96	TCX	4622516	3202469
3.058		2145	1529
3.106		56539	48413
3.161		105439	93744
3.209		372419	271239
3.288		6247	3022
3.303		40657	25721
3.347		951	744
3.374		1351	944
3.426		368019	225071
3.443		169357	93884
3.48		45009	26298
3.495		3957	1402
3.507		26061	13692
3.54		463116	360823
3.579		1726	940
3.598		6601	4022
3.616		11627	7218
3.651		102614	60176
3.666		53474	26806
3.709		184228	112145
3.72		498667	262494
3.757		567207	445196
3.815		515097	393032
3.857		35857	25620
3.885		314549	246219
3.912		219682	183818
3.934		60685	30888
4.008		358137	266726
4.032		131980	85692
4.065		136997	102058
4.097		395002	391175
4.138		127368	102961
4.185		17032	14659
4.224		22165	16435
4.258		336697	249266
4.276		60116	31707
4.3		100855	79746

RT A	Compound A	Height A	Area A
4.371		55116	49752
4.414		377114	377986
4.448		7424	4347
4.552		27596	24145
4.603		38364	28203
4.62		94217	70244
4.664		249822	237601
4.714		372342	426785
4.751		80099	57465
4.79		890602	853088
4.835		2650	1623
4.876		155487	161301
4.91		7628	4868
4.937		168020	161321
4.989		1097164	1411399
5.041		205323	188342
5.08		518539	571253
5.159		101269	123462
5.193		1402981	1510687
5.26		654731	615853
5.302		395336	397307
5.396		171285	138687
5.422		686833	638764
5.478		361885	349163
5.516		203199	209472
5.559		30512	30177
5.599		256186	307725
5.656		1890285	1970757
5.754		13827	41609
5.86		1139424	1094933
5.89		70770	43485
5.916		242726	269867
6.051		89409	285338
6.13		223946	301274
6.175		3235	6706
6.245		3078	3965
6.286		517735	537859
6.33		21286	16518
6.388		4035	3928
6.408		2742	2289
6.433		2436	1687
6.488		118472	115414
6.537		3518	9254
6.55		19477	24036
6.637	DCB	3973030	4255028
6.774		21474	38655
6.84		8120	13788
6.884		15116	32752

LANCASTER LABORATORIES

Sample Number: AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:39:51 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.074.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.015		11211	18640
2.083		15570	13023
2.174		2008	3972
2.215		3693	4500
2.257		3668	6461
2.328		7225	4570
2.392		3569	5860
2.52		2070	1469
2.578		15576	18732
2.642	TCX	7437246	4281414
2.686		52907	35835
2.787		965	714
2.812		115027	73479
2.873		131995	136753
2.925		583998	364776
2.975		18488	11678
3.036		80086	48712
3.085		673	116
3.096		1464	923
3.132		486660	242601
3.143		140111	57748
3.183		91529	56130
3.204		38921	21965
3.23		65813	36842
3.254		690313	463201
3.29		23296	13256
3.319		9291	4318
3.337		184151	97768
3.352		106690	52295
3.379		1548	670
3.402		370220	175197
3.412		812862	363895
3.432		27348	9985
3.446		710945	489585
3.521		766956	491191
3.555		531182	327448
3.579		555019	311377
3.597		187194	98526
3.683		687950	649198
3.726		234708	139695
3.756		146090	75394
3.773		545972	340430
3.814		194477	148013
3.862		25400	21009
3.883		149693	92116
3.906		691201	464177
3.932		153529	106391
3.97		85580	54453
4.005		580670	421838
4.04		23996	14146
4.055		41988	28496
4.117		4710	3729
4.15		39570	32521
4.207		153806	116271

RT B	Compound B	Height B	Area B
4.25		158183	94124
4.28		560830	555983
4.306		236545	241735
4.359		1311299	1040056
4.406		18169	12668
4.429		131685	89960
4.452		293212	223808
4.495		1644052	1333640
4.598		1335814	1277603
4.651		161623	139101
4.689		376662	321610
4.726		1581200	1379690
4.758		816212	569168
4.796		575861	454339
4.896		207414	215176
4.947		1046337	837981
4.971		128827	86678
5.021		537975	509524
5.057		270593	218098
5.086		193391	164119
5.119		61417	37921
5.14		2611779	2141613
5.181		53357	37951
5.213		94085	78994
5.287		22067	55908
5.33		27471	16984
5.353		508817	438541
5.398		1764056	1876298
5.553		62833	54357
5.598		49013	36131
5.62		45270	34419
5.669		297057	272947
5.775		721910	780366
5.973		223096	239069
6.131	DCB	5671336	5101063
6.264		18844	34249
6.437		12852	34353
6.47		4987	4879
6.536		25146	44704
6.581		10602	9106
6.624		17573	31718
6.695		4102	9141
6.766		8120	15485
6.858		31313	59172
6.951		6615	19095

AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082

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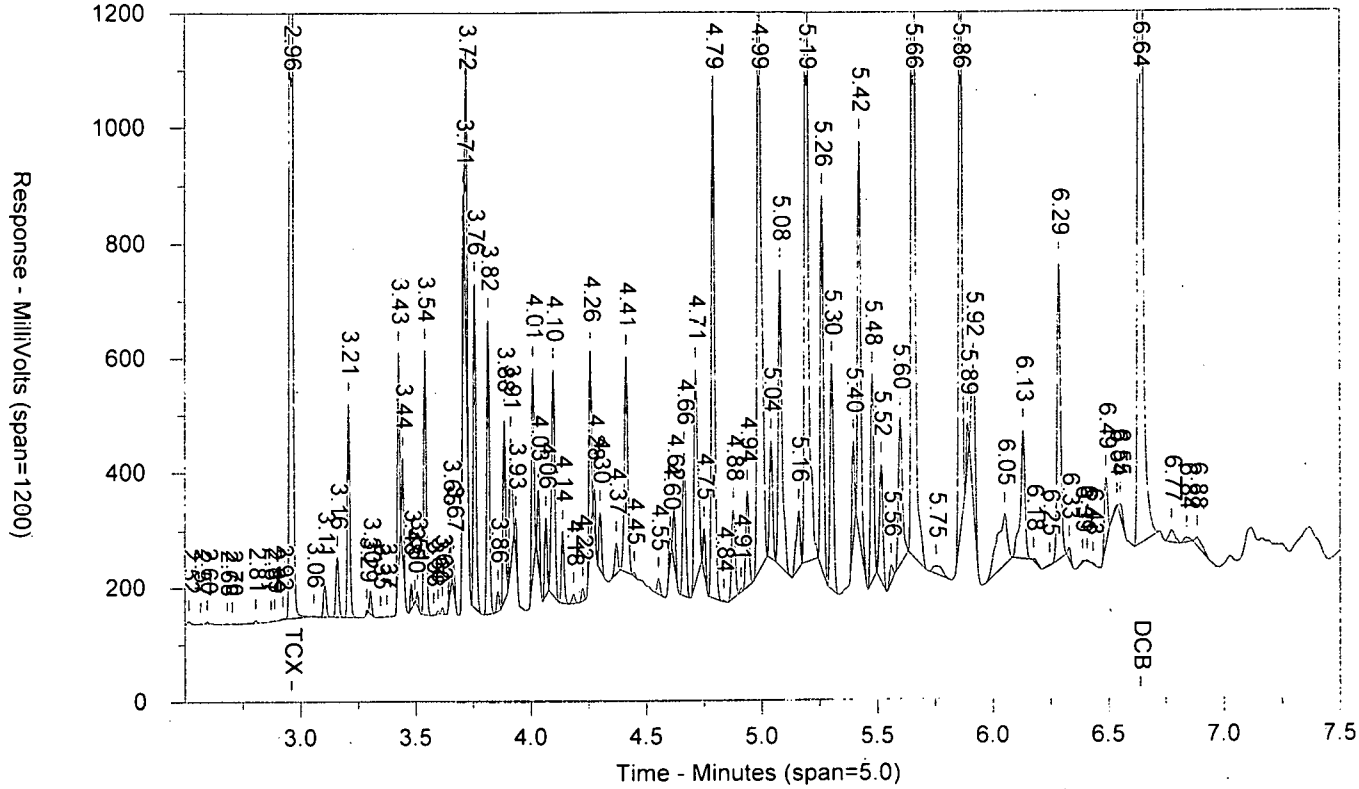

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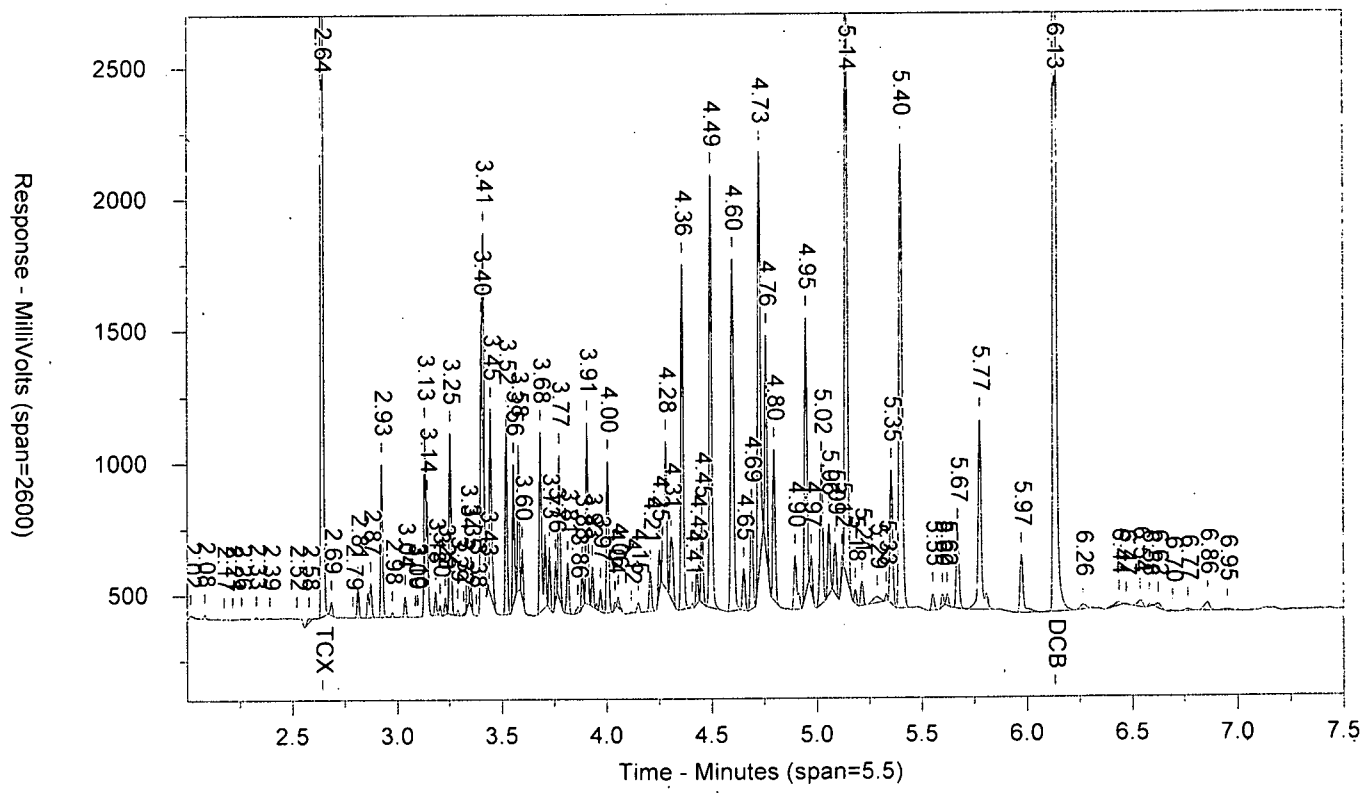

LANCASTER LABORATORIES

Sample Number: AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:39:51 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4622516	40.667	TCX	2.642	7437246	41.608	TCX
6.637	3973030	37.31	DCB	6.131	5671336	37.559	DCB

Files:
Area File: 25PCBS17257004.074.RAW
Area File: 25PCBS17257004B.074.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:04:35 AM
File Reported On: 9/18/2017 at 10:11:29 AM

AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082

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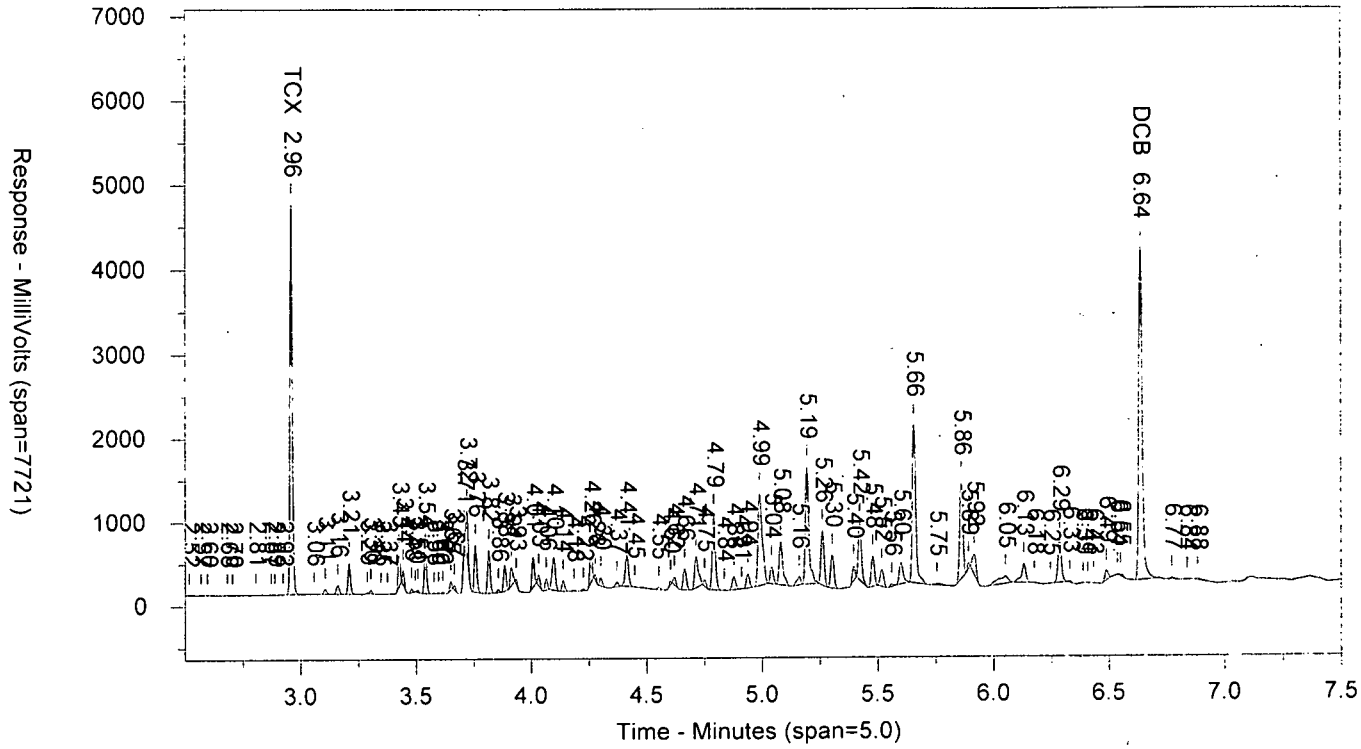

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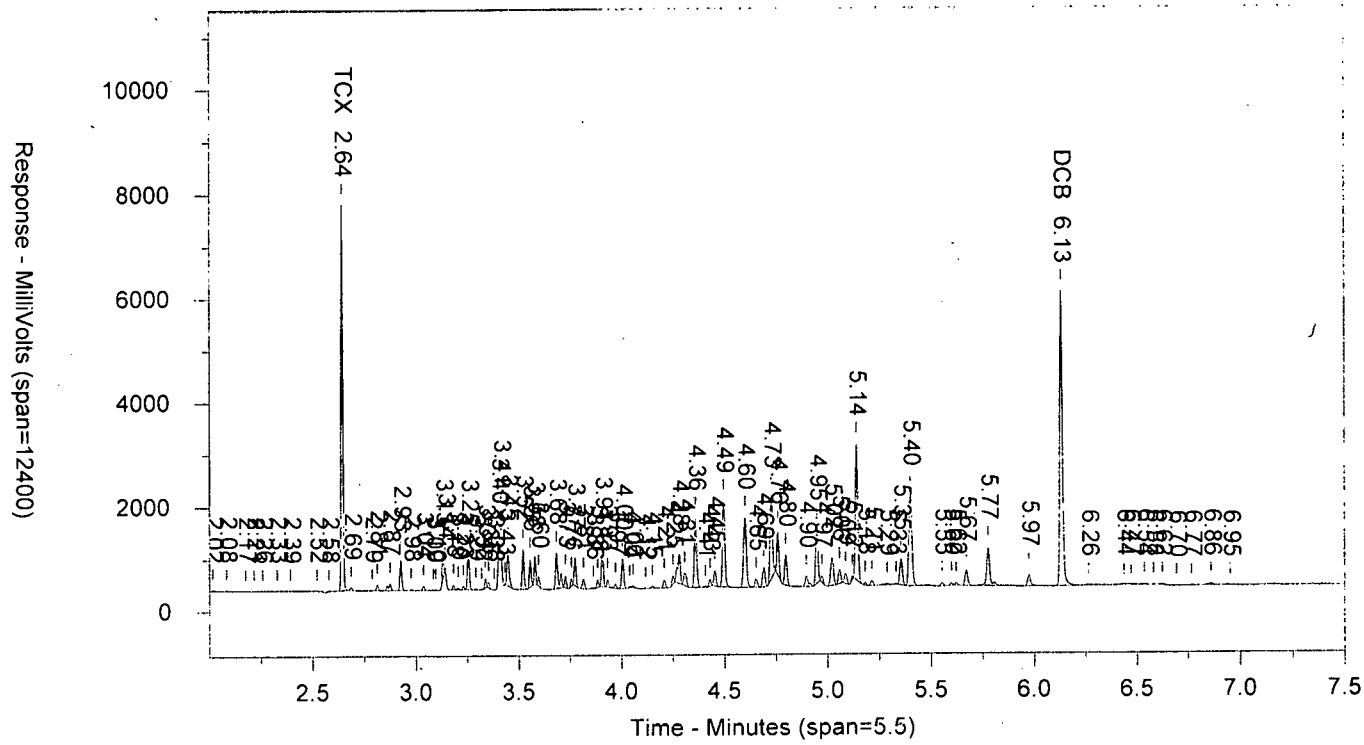

AR1641724B ADAR164AD CCAL 1725999999 10736 SW-846 8082

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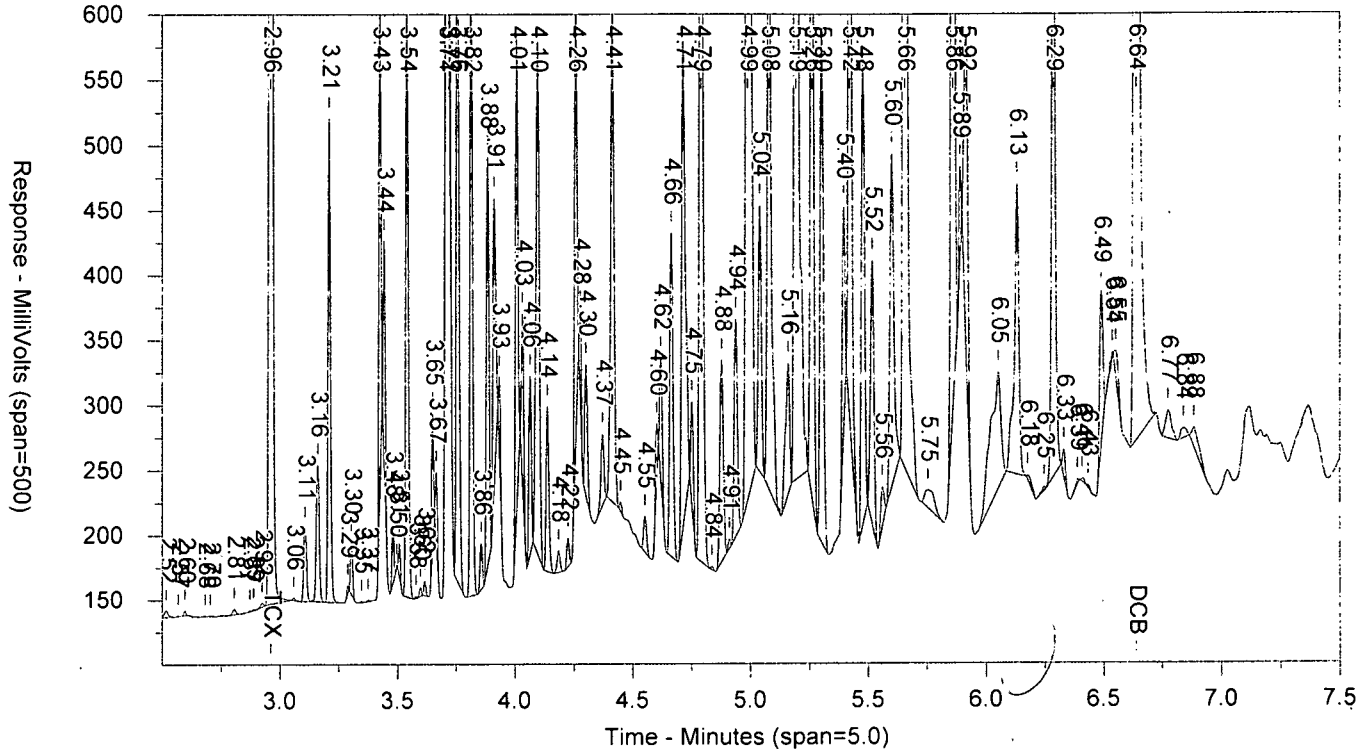

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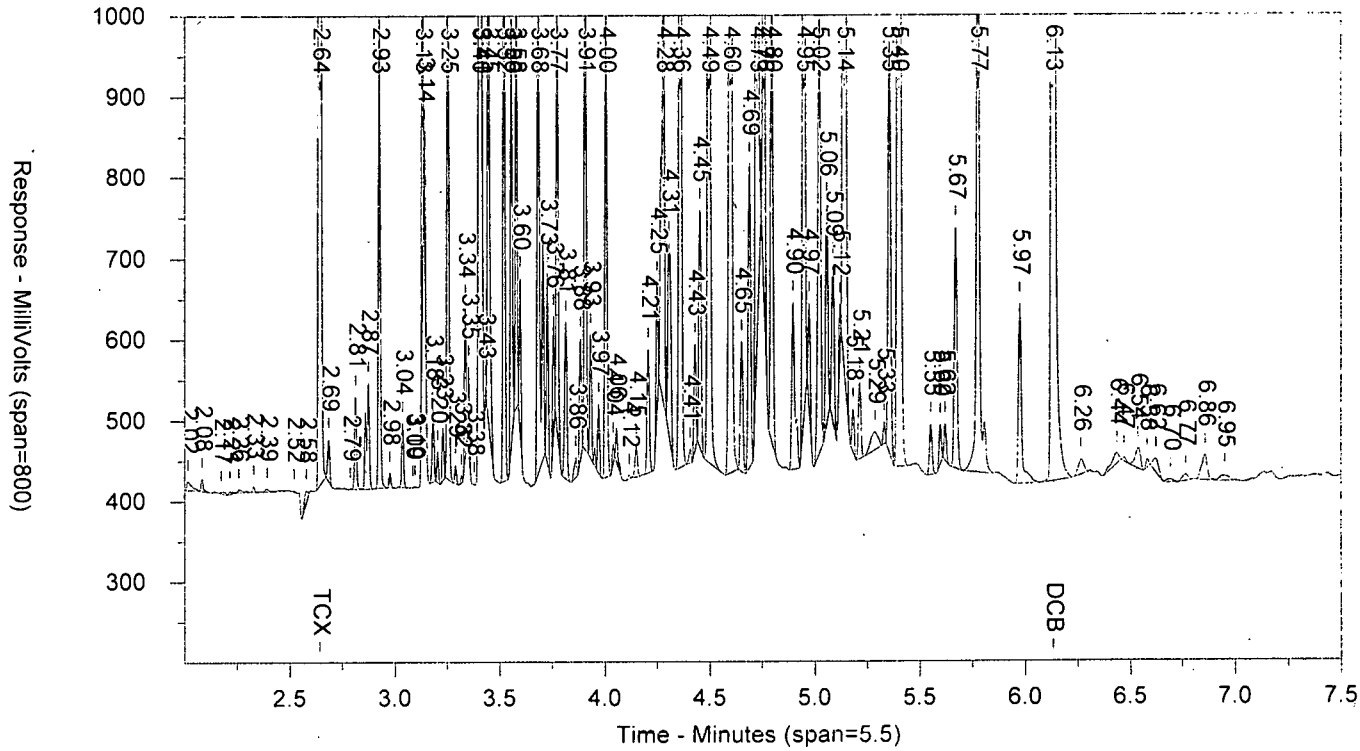

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:51:11 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.075.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.065		4273	6149
2.104		6812	17479
2.191		1217	1679
2.26		11026	8250
2.358		17060	14111
2.392		1645	2528
2.515		3215	3901
2.579		849	1609
2.709		467	452
2.734		338	175
2.768		417	254
2.806		11783	11281
2.875		733	443
2.923		2085	2065
2.959	TCX	2308401	1572233
3.107		380	226
3.156		30218	20425
3.238		405	503
3.287		7099	5156
3.374		428	514
3.397		503	273
3.411		731	600
3.448		312	168
3.485		404	358
3.534		1191	1877
3.598		3141	2314
3.63		1955	1724
3.705		1696	2206
3.756		987	931
3.847		531	451
3.913		426	205
3.93		663	296
3.957		1978	1940
4.004		463	370
4.037		482	843
4.097		398	692
4.121		538	412
4.189		361	381
4.255		678	677
4.295		2573	4076
4.362		373	505
4.404		433	221
4.567		393	593
4.622		286	172
4.646		2631	2843
4.702		354	343
4.75		627	229
4.819		353	189
4.852		395	261
4.891		415	128
4.911		594	414
4.934		2336	2096
5.007		2942	3569
5.077		673	809

RT A	Compound A	Height A	Area A
5.152		2199	2660
5.208		304	133
5.299		442	275
5.356		4157	8048
5.406		508	636
5.42		467	349
5.46		357	207
5.529		332	555
5.557		1820	1840
5.658		388	216
5.681		6293	6975
5.741		569	256
5.797		460	599
5.855		448	142
5.927		438	1553
5.993		1378	1696
6.051		14071	14793
6.115		12708	13389
6.174		417	130
6.27		1719	2023
6.32		3364	3713
6.404		595	293
6.419		714	568
6.441		561	231
6.458		1086	998
6.488		16717	17547
6.541		1454	1314
6.564		440	165
6.637	DCB	1916000	2085206
6.751		682	252
6.778		601	225
6.813		2088	4432
6.858		534	142
6.876		648	353
6.916		5153	7687
6.951		634	97
6.981		1034	1392

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:51:11 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.075.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.016		12323	20318
2.082		7419	6629
2.14		1496	1199
2.219		1249	1031
2.259		3428	4801
2.387		2303	3438
2.457		1573	1522
2.548		4290	4985
2.574		23368	18452
2.642	TCX	3650083	2112517
2.834		1542	1491
2.86		51504	31077
2.916		1375	474
2.975		9920	6676
3.059		505	126
3.071		521	137
3.084		587	139
3.099		1228	386
3.106		714	121
3.119		836	236
3.143		621	380
3.153		1139	510
3.167		698	175
3.183		0	7
3.212		2177	1992
3.304		856	720
3.318		5200	3329
3.358		3808	5517
3.418		2622	4082
3.481		2041	1434
3.595		2452	6797
3.775		1674	7090
3.917		2526	3219
3.977		2026	6363
4.184		2653	4284
4.276		1867	3389
4.471		3589	11830
4.615		6043	26935
4.718		2482	2109
4.773		2604	9095
5.09		2521	5182
5.213		6620	7007
5.398		1333	6065
5.553		21153	20347
5.621		18013	17438
5.666		3429	3349
5.929		1410	4595
5.973		25418	22556
6.131	DCB	2724708	2553714
6.254		5655	13764
6.437		2056	3673
6.578		3167	3142
6.804		1763	2859

IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082

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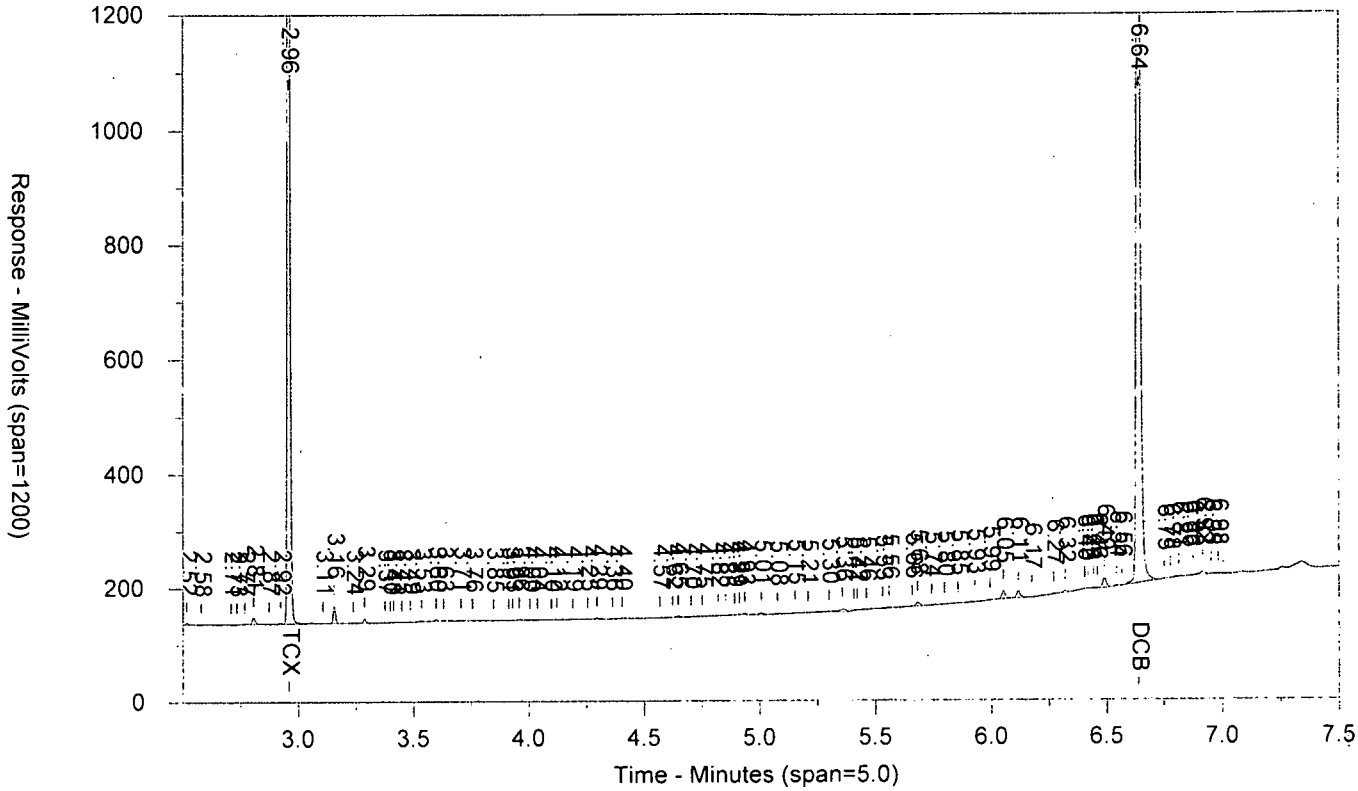

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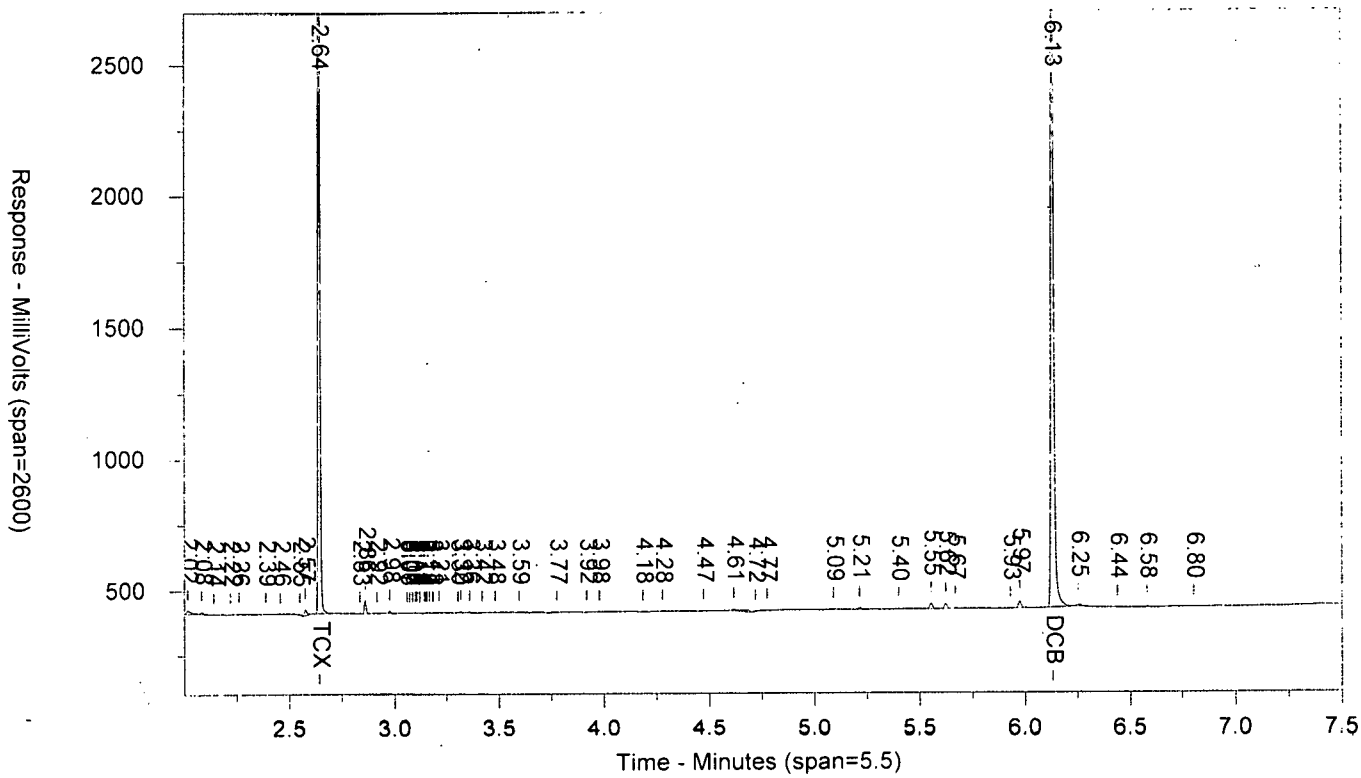

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 7:51:11 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2308401	.203	TCX	2.642	3650083	.204	TCX
6.637	1916000	.18	DCB	6.131	2724708	.18	DCB

Files:
Area File: 25PCBS17257004.075.RAW
Area File: 25PCBS17257004B.075.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:04:36 AM
File Reported On: 9/18/2017 at 10:11:41 AM

IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082

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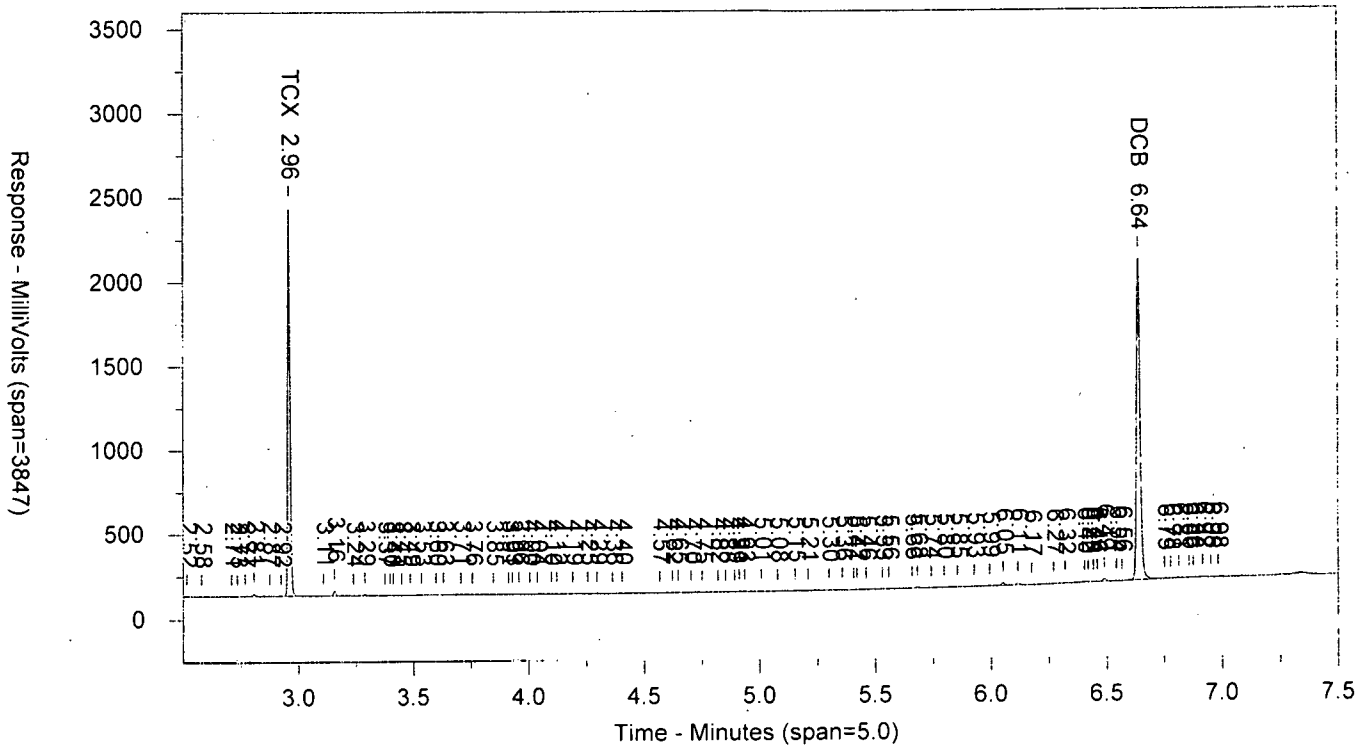

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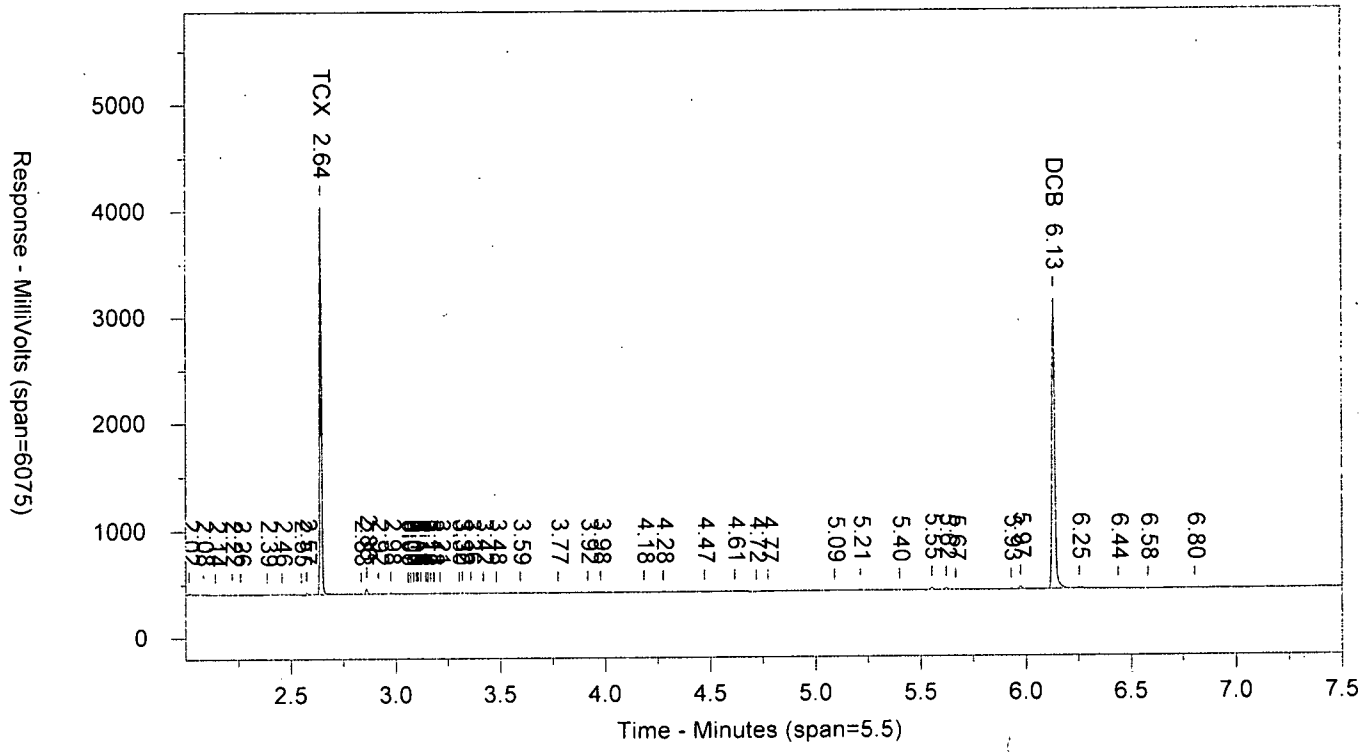

IBLKX1724B AMPIBLKAM PIBLK1725999999 10736 SW-846 8082

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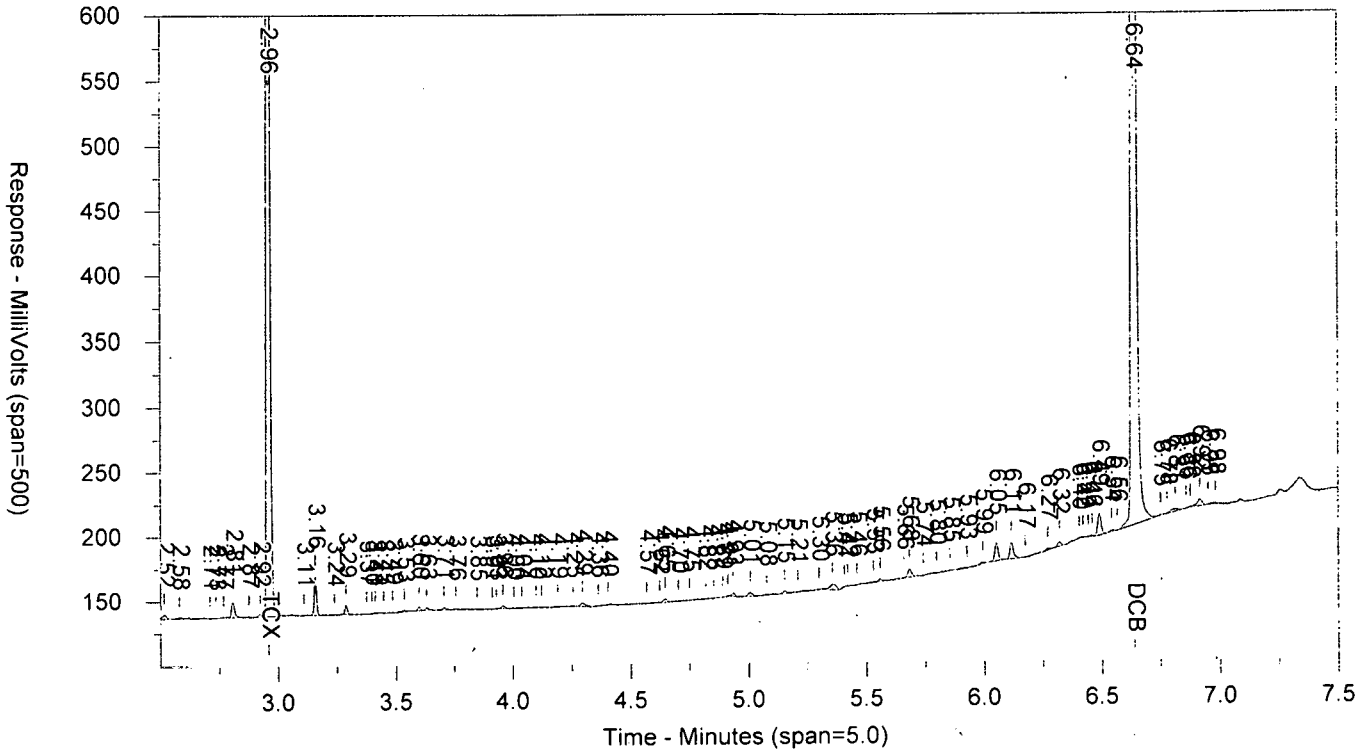

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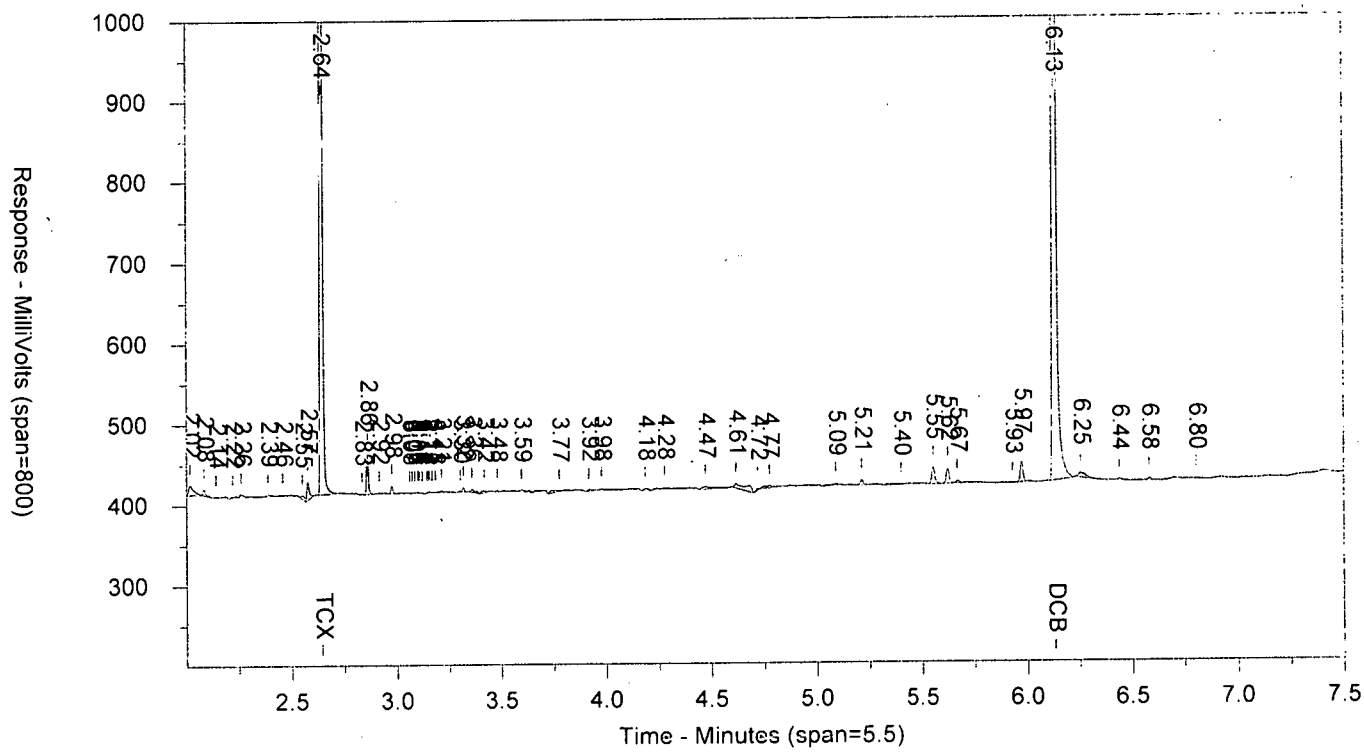

LANCASTER LABORATORIES

Sample Number: AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 11:49:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.096.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		5024	6620
2.102		6029	12432
2.26		21649	15913
2.359		11852	12947
2.392		1416	2167
2.516		3900	5077
2.564		437	223
2.597		4401	3714
2.686		442	306
2.769		357	585
2.807		4679	4631
2.868		950	642
2.888		678	329
2.924		2491	2151
2.96	TCX	4543094	3109254
3.057		921	672
3.106		57140	49160
3.161		105739	92868
3.21		359698	267453
3.288		6678	3447
3.304		39550	25718
3.344		942	712
3.426		365685	221972
3.443		166274	89079
3.48		45947	25764
3.495		4074	1339
3.507		25781	14261
3.541		453355	357159
3.578		2182	1070
3.598		3898	2415
3.617		12639	8188
3.651		103476	59918
3.666		53058	27755
3.71		188685	111954
3.721		507067	266086
3.757		563358	438768
3.815		505957	388565
3.857		36964	26240
3.886		319319	244253
3.913		225477	183664
3.934		63845	35449
4.009		369324	269977
4.033		125546	84731
4.065		148235	104664
4.099		403258	391703
4.138		124576	103516
4.186		18751	16063
4.225		24045	18634
4.259		335272	247889
4.276		63138	31387
4.301		109779	85945
4.372		58072	50988
4.415		388681	391810
4.449		9360	6186

RT A	Compound A	Height A	Area A
4.489		472	195
4.513		3256	2696
4.553		27888	26106
4.604		46451	32227
4.62		96573	69044
4.665		255832	243625
4.715		368020	438287
4.752		82871	57952
4.791		876199	861370
4.837		2587	1747
4.877		159198	167545
4.909		7826	4578
4.938		175498	170403
4.99		1119369	1430535
5.042		209689	202749
5.081		516054	599829
5.16		104219	128198
5.194		1365387	1481844
5.236		10405	3996
5.261		652305	630354
5.304		419109	413507
5.361		770	737
5.397		171973	144607
5.423		697823	653653
5.479		378722	362345
5.518		215178	221154
5.559		38810	39408
5.601		252147	296097
5.658		1920838	2102476
5.75		1949	2319
5.807		679	795
5.862		1164145	1136839
5.892		72151	44248
5.918		259262	290981
5.992		1685	1977
6.053		50551	52280
6.132		230665	327532
6.238		1758	3331
6.288		530118	532366
6.333		35705	34609
6.406		639	352
6.421		1261	984
6.491		168524	174192
6.546		1756	1781
6.642	DCB	3976222	4249122
6.816		581	1513
6.854		617	725
6.898		790	3142
6.919		4979	6088
6.954		620	372
6.987		645	326

LANCASTER LABORATORIES

Sample Number: AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 11:49:04 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.096.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		11104	17187
2.083		14448	10881
2.219		1778	1919
2.262		2978	3160
2.328		7759	4817
2.389		2967	8300
2.577		13600	14135
2.614		779	1135
2.642	TCX	7323806	4168079
2.685		51744	36655
2.785		1202	633
2.812		111327	74395
2.86		65343	30910
2.873		99235	50253
2.926		584259	355766
2.975		18110	10518
3.037		78246	48918
3.079		412	66
3.085		1054	273
3.097		507	203
3.111		1154	314
3.132		462063	237367
3.143		165065	61758
3.183		90682	54902
3.205		39319	21264
3.231		65502	36039
3.254		664843	453648
3.291		23522	13612
3.319		4938	2055
3.336		178348	96795
3.352		104865	52924
3.403		398484	184823
3.413		805277	350599
3.432		24897	8912
3.446		707021	480746
3.521		743942	481974
3.555		515892	320756
3.579		561989	464738
3.683		627861	428718
3.706		245048	135957
3.727		227927	136026
3.756		145149	74995
3.773		514088	328404
3.815		192119	144049
3.862		23654	19927
3.884		143576	87719
3.906		677818	449883
3.932		145918	103206
3.97		85304	52986
4.005		575612	412356
4.04		20907	12828
4.055		43035	28681
4.114		5029	3685
4.151		40911	32695

RT B	Compound B	Height B	Area B
4.207		153562	119600
4.25		152832	93472
4.281		504729	545624
4.307		237115	237159
4.359		1278432	1034982
4.407		17262	12333
4.43		131982	88562
4.453		294596	222287
4.495		1624608	1307200
4.598		1314082	1267770
4.652		166974	137641
4.69		374507	323282
4.726		1583954	1351779
4.758		755281	559891
4.797		548250	454519
4.867		2234	2431
4.897		204386	220537
4.947		1072454	1139437
5.021		564501	515650
5.057		266549	219366
5.087		197194	169521
5.119		54188	33553
5.14		2563129	2153384
5.182		54667	41116
5.213		100893	90684
5.33		28213	18285
5.354		517257	451593
5.399		1791523	1912500
5.553		70224	62975
5.598		50313	36314
5.621		52448	38509
5.671		308432	291494
5.775		722982	616748
5.807		41168	31030
5.871		1710	2287
5.973		233762	220769
6.095		1221	1463
6.132	DCB	5764132	5224273
6.26		5872	9854
6.586		5024	6590
6.755		2169	6948
6.864		1539	5155

AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082

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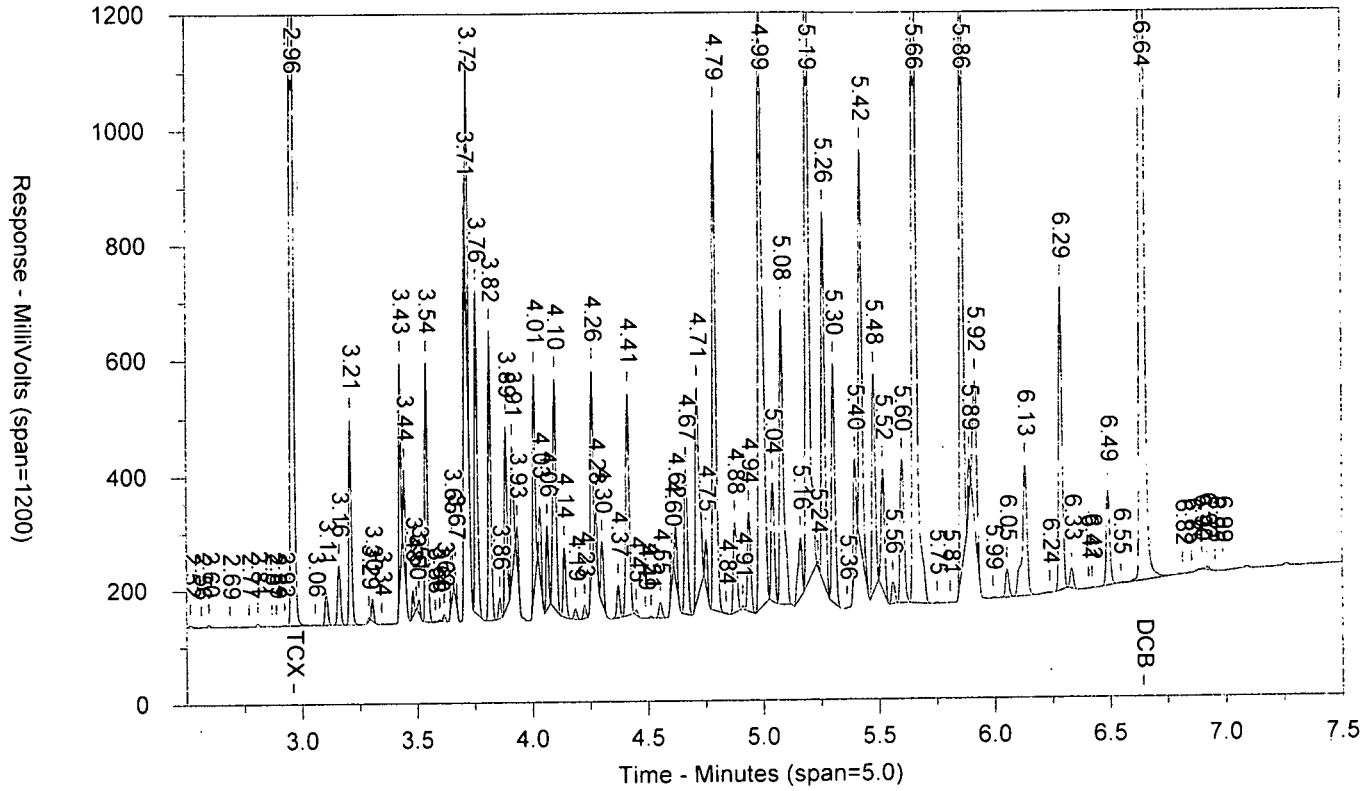

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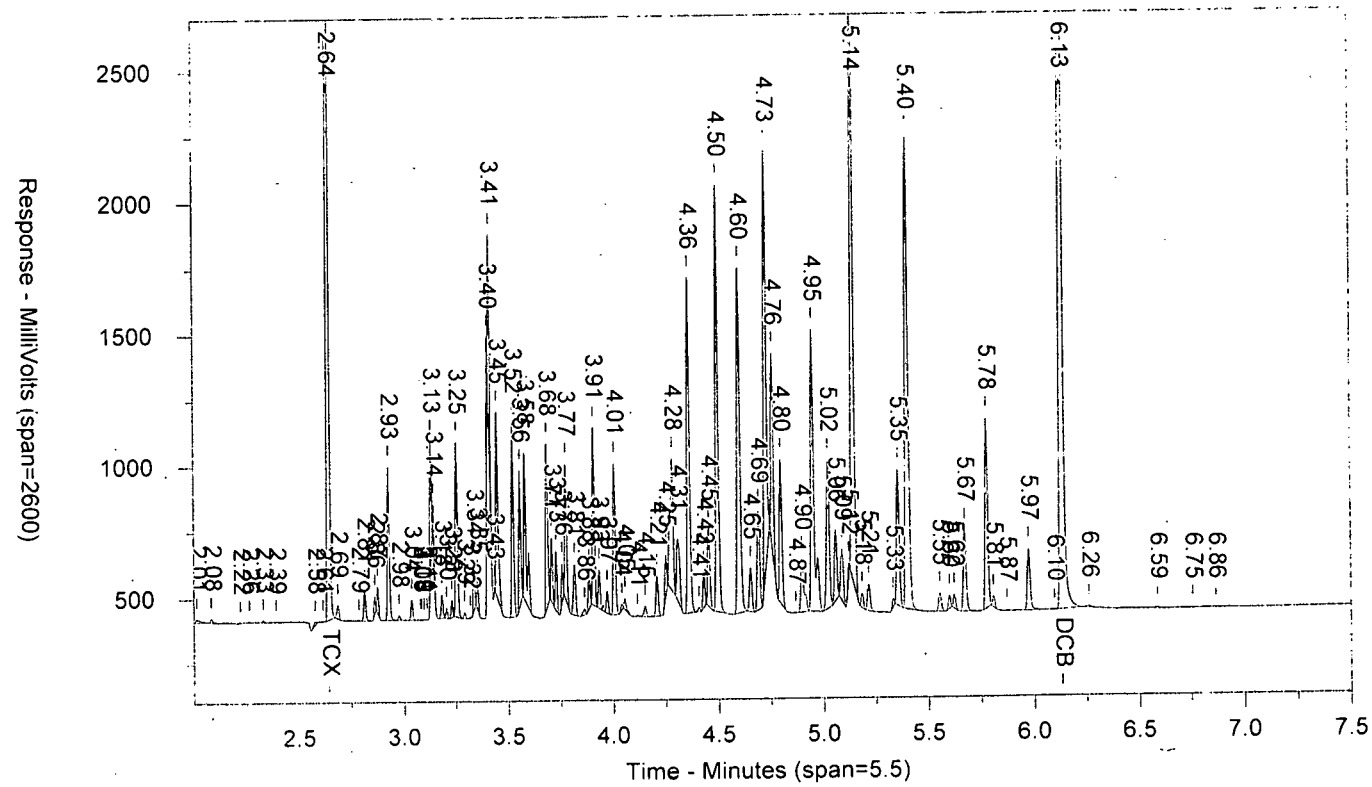

LANCASTER LABORATORIES

Sample Number: AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 11:49:04 AM
Sample Weight: 1
Dilution Factor: 1
Instrument ID: CP25-18274
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	4543094	39.968	TCX	2.642	7323806	40.973	TCX
6.642	3976222	37.34	DCB	6.132	5764132	38.174	DCB

Files:
Area File: 25PCBS17257004.096.RAW
Area File: 25PCBS17257004B.096.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 11:57:36 AM
File Reported On: 9/18/2017 at 11:57:43 AM

AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082

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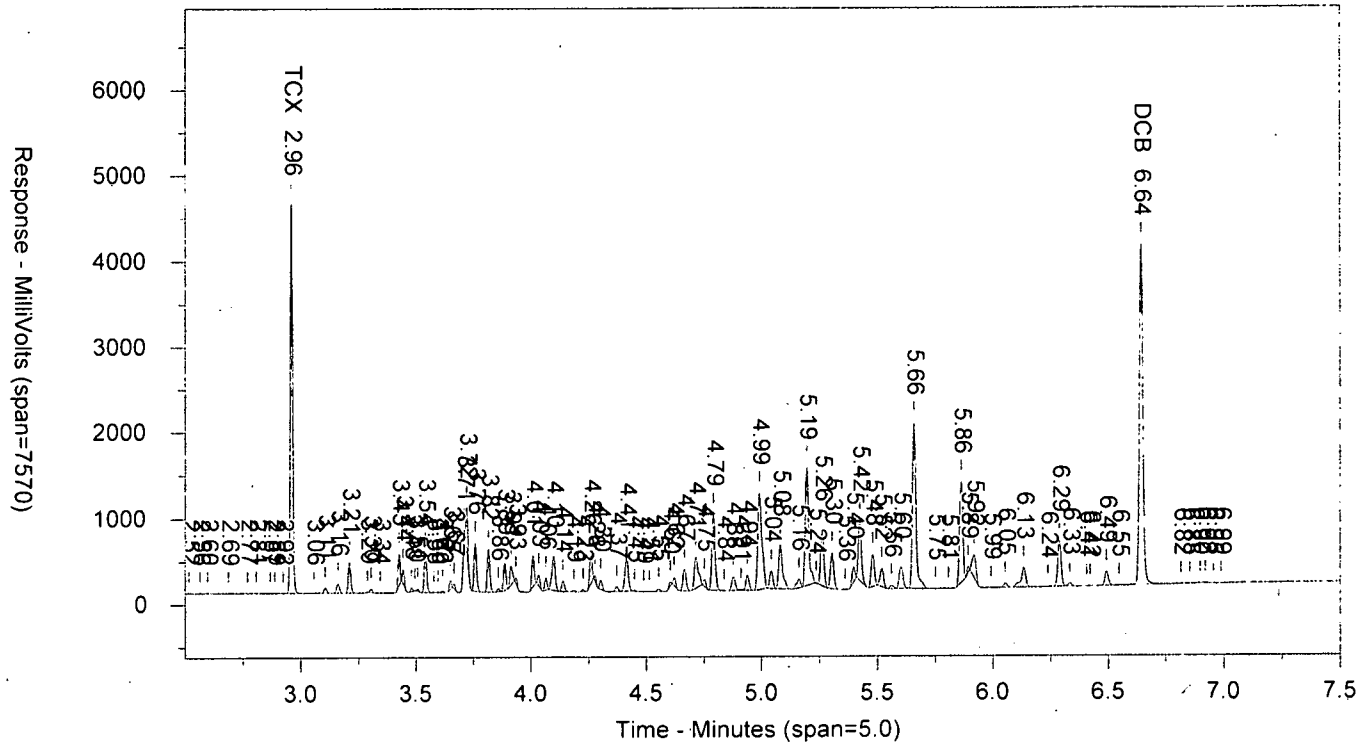

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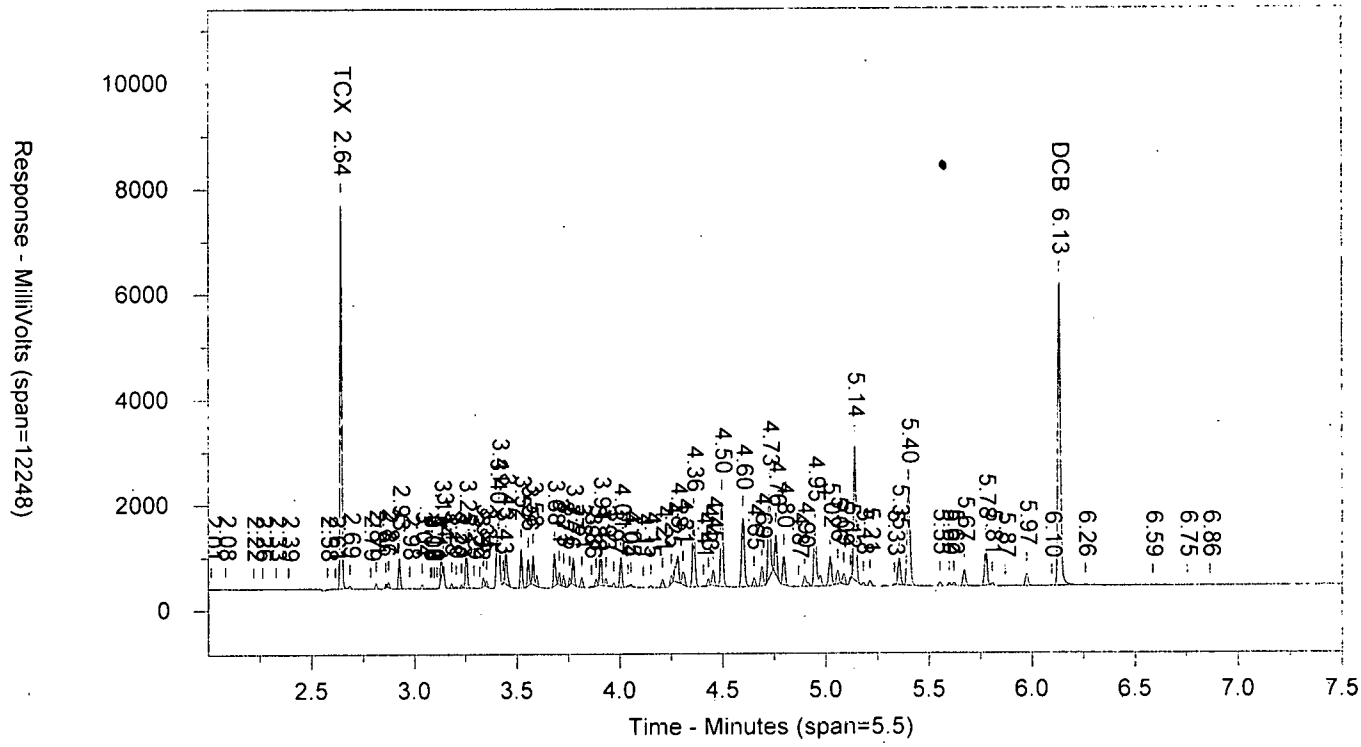

AR1641724B AEAR164AE CCAL 1725999999 10736 SW-846 8082

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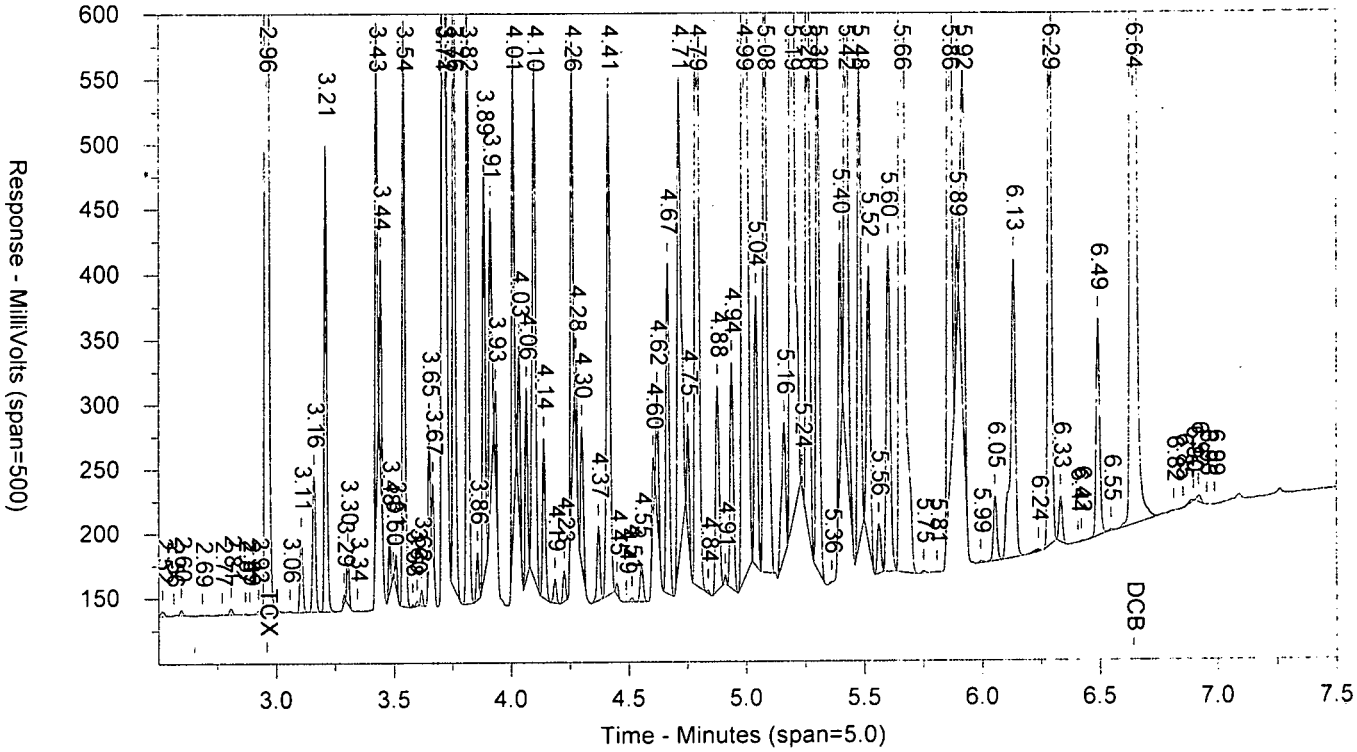

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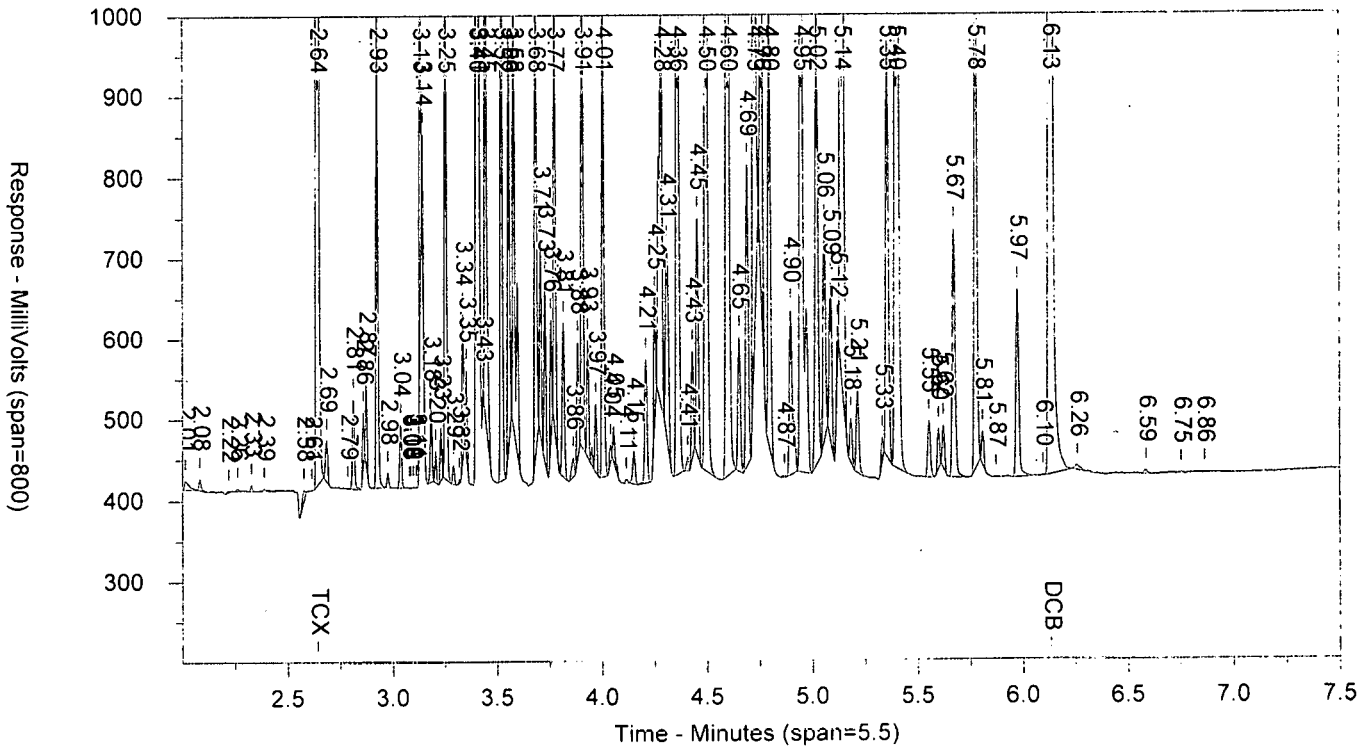

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ANPIBLKAN PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 12:00:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.097.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		5793	7280
2.104		5761	9949
2.26		11171	8170
2.339		331	229
2.359		13791	11845
2.393		1751	2788
2.518		4370	5514
2.57		604	640
2.621		618	447
2.765		1163	1393
2.807		8310	7515
2.87		689	502
2.888		790	347
2.924		2680	2181
2.961	TCX	2252067	1563492
3.059		844	1189
3.138		230	251
3.158		30231	20099
3.224		411	228
3.29		8015	6134
3.416		1104	3121
3.516		569	298
3.538		1139	1284
3.603		2830	1832
3.637		2476	2321
3.695		366	279
3.711		1881	1418
3.765		855	961
3.808		579	609
3.848		817	885
3.931		464	319
3.966		2767	2816
4.04		504	681
4.259		1003	900
4.302		3729	5970
4.368		979	1551
4.415		812	1580
4.528		944	952
4.608		493	394
4.65		3229	4332
4.793		423	310
4.85		449	384
4.881		552	335
4.938		3245	4411
5.013		3625	6661
5.082		845	978
5.104		1021	784
5.157		2016	2356
5.247		448	369
5.318		302	1016
5.364		4265	6885
5.416		133	676
5.461		334	306
5.522		331	1367

RT A	Compound A	Height A	Area A
5.565		1795	2123
5.626		401	103
5.686		7116	9409
5.767		1393	1506
5.818		434	126
5.884		302	868
5.914		443	165
5.928		529	199
5.994		2179	3795
6.056		15173	15443
6.119		14246	16359
6.212		477	503
6.244		544	835
6.277		2602	3584
6.325		3847	5238
6.382		788	766
6.409		544	443
6.426		769	592
6.494		18290	18277
6.546		2787	3032
6.644	DCB	2038122	2190765
6.811		1749	3358
6.845		555	220
6.924		7117	12706
6.983		369	138
6.993		608	196

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ANPIBLKAN PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 12:00:52 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.097.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		10365	16498
2.081		7457	6117
2.236		1639	4047
2.26		2889	4014
2.359		854	334
2.389		2198	2956
2.575		24600	26518
2.641	TCX	3702631	2113183
2.804		1774	782
2.859		52659	31966
2.975		9502	6397
3.067		799	120
3.089		486	159
3.107		286	50
3.112		671	141
3.131		466	70
3.143		435	352
3.153		1434	902
3.182		984	221
3.201		720	439
3.213		1864	1526
3.258		1065	895
3.32		5673	4732
3.36		3293	2481
3.411		3043	3139
3.448		1328	1276
3.467		547	265
3.484		1938	1159
3.604		1395	1382
3.673		4942	17096
3.778		2642	10071
3.975		2797	11364
4.188		3583	5991
4.276		3925	19950
4.477		4074	9642
4.617		5573	6908
4.679		3453	5006
4.758		1239	1784
5.094		3827	11554
5.216		7421	7611
5.376		3502	7392
5.555		22613	21924
5.622		20679	19579
5.676		3366	3836
5.915		1361	4499
5.975		26317	23347
6.134	DCB	2957350	2694083
6.253		6257	16544
6.586		3280	5168

IBLKX1724B ANPIBLKAN PIBLK1725999999 10736 SW-846 8082

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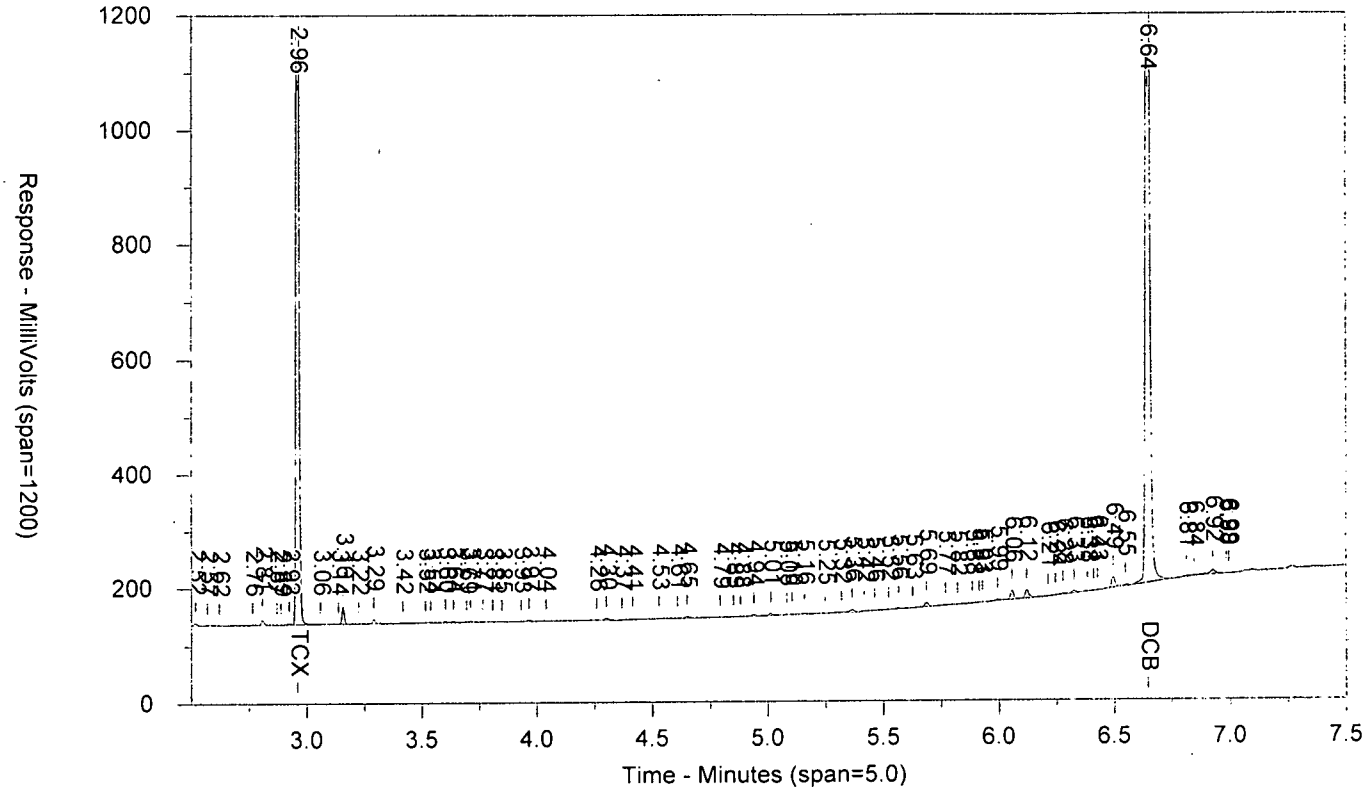

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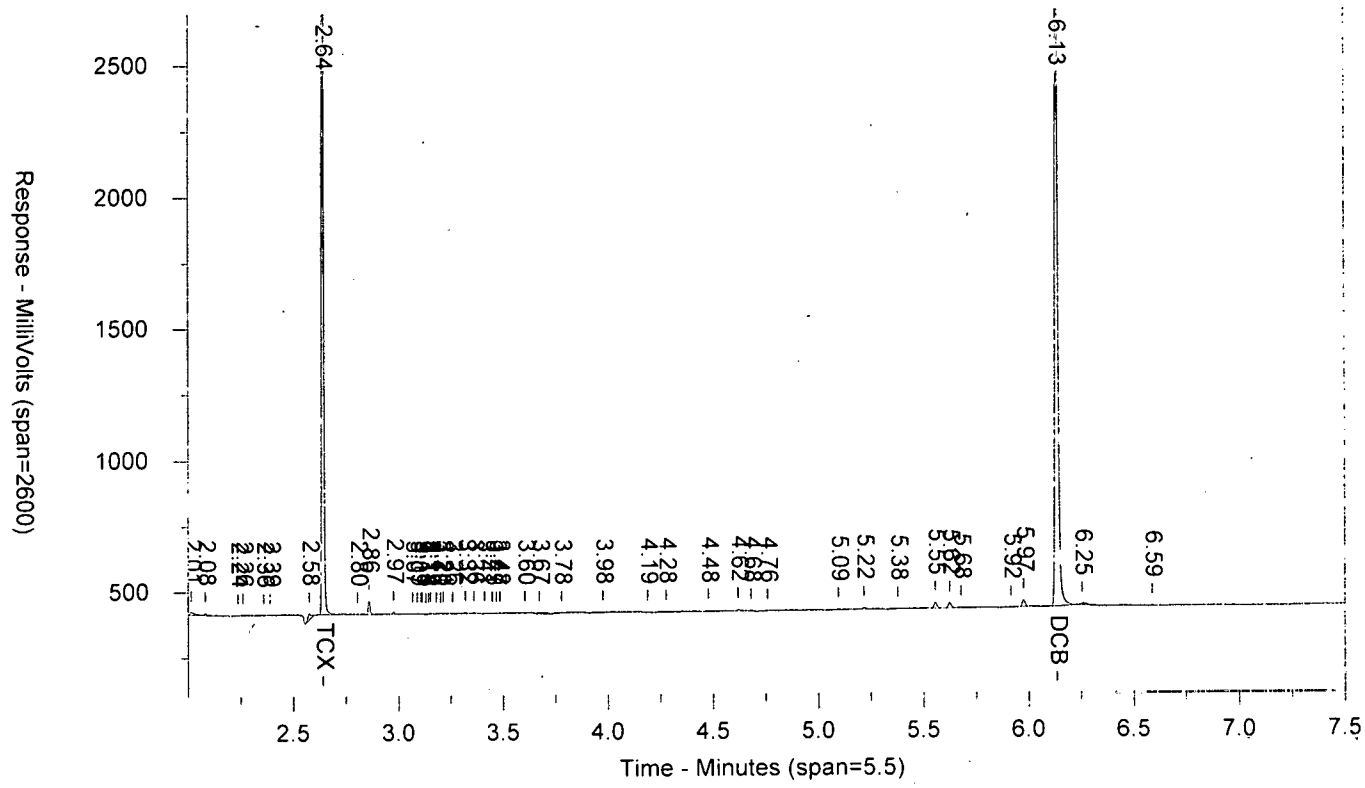

LANCASTER LABORATORIES

Sample Number: IBLKX1724B ANPIBLKAN PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 12:00:52 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B.	Height B	Amount B - PPB	Compound B
2.961	2252067	.198	TCX	2.641	3702631	.207	TCX
6.644	2038122	.191	DCB	6.134	2957350	.196	DCB

Files:
Area File: 25PCBS17257004.097.RAW
Area File: 25PCBS17257004B.097.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 12:09:23 PM
File Reported On: 9/18/2017 at 12:09:31 PM

IBLKX1724B ANPIBLKAN PIBLK1725999999 10736 SW-846 8082

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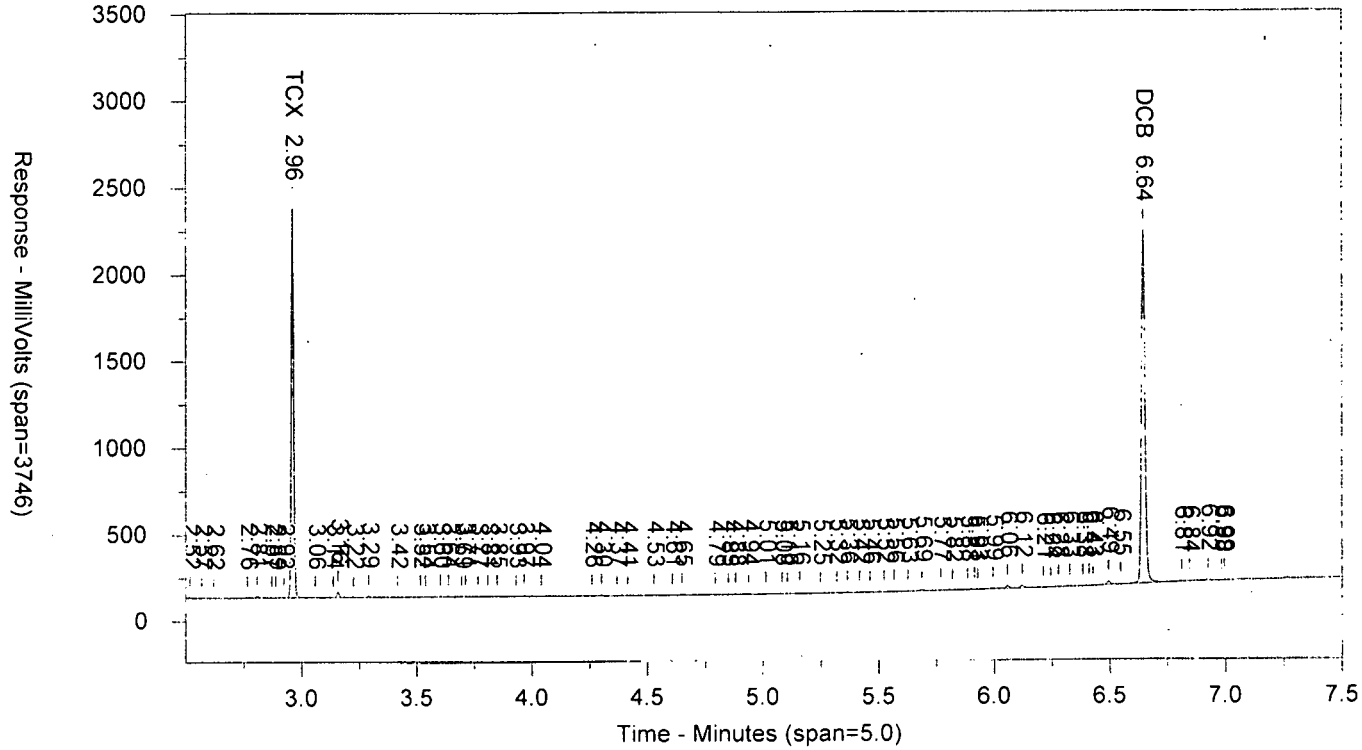

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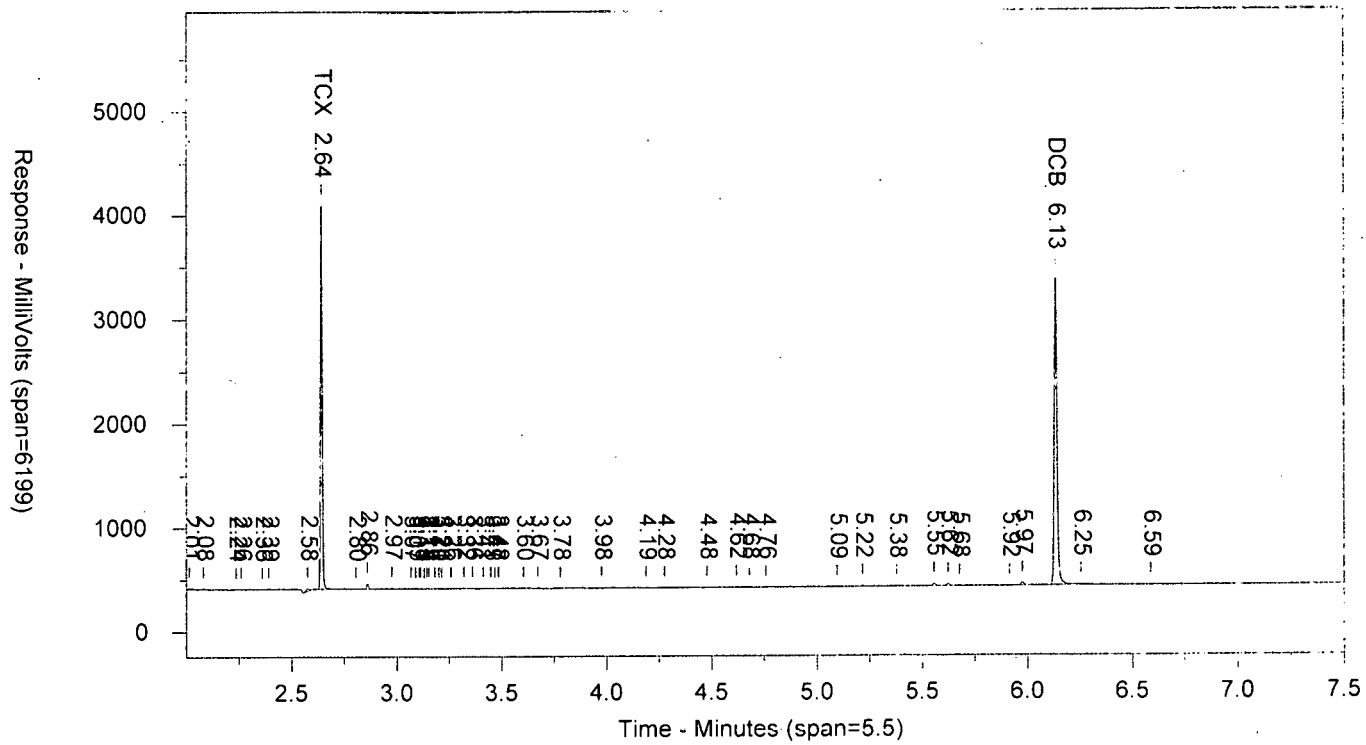

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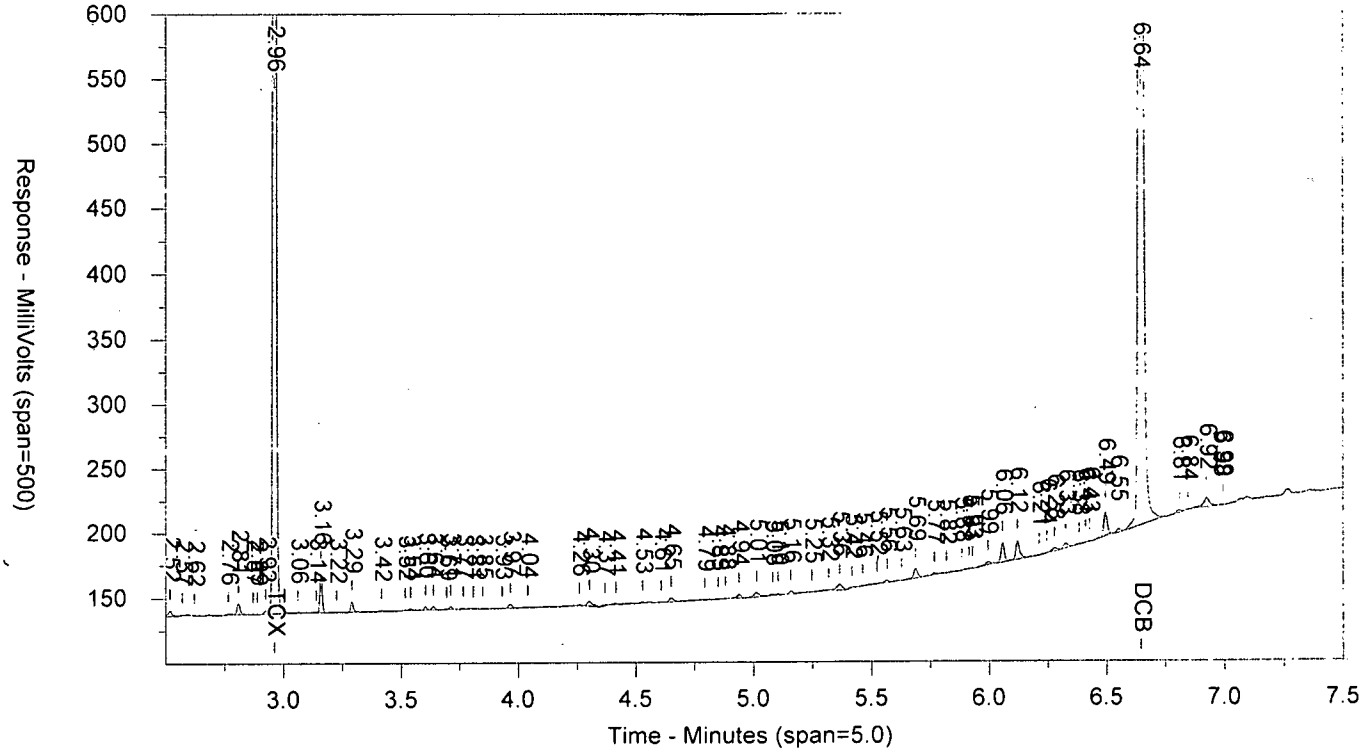

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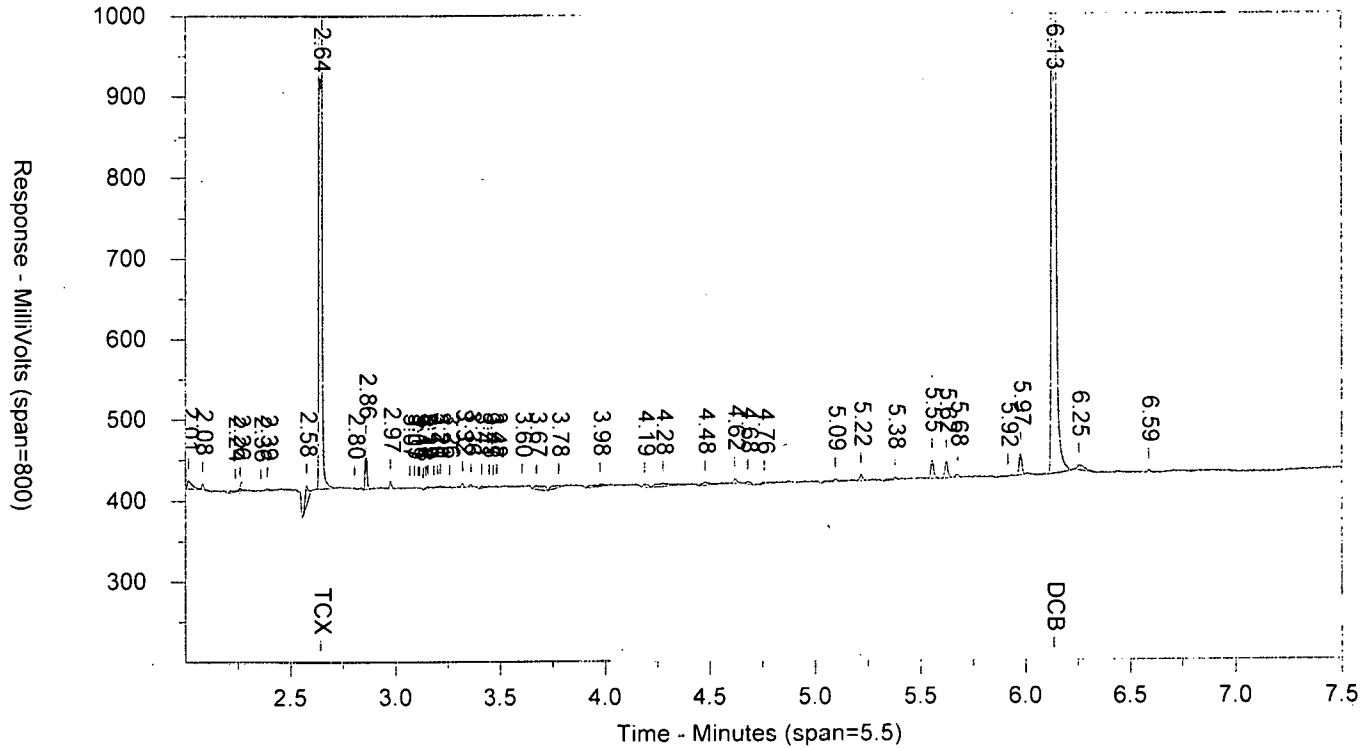

LANCASTER LABORATORIES

Sample Number: AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:16:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.109.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6625	7701
2.104		5985	14314
2.189		806	833
2.26		22014	15199
2.36		14172	14483
2.394		1647	2458
2.519		4874	6413
2.577		448	218
2.597		4513	3726
2.68		770	1119
2.808		5417	4828
2.872		1390	1122
2.923		2896	3039
2.961	TCX	4646130	3190326
3.056		1006	949
3.108		57676	50243
3.163		108951	94799
3.212		365158	272809
3.29		7457	3609
3.306		40345	26154
3.348		1089	1170
3.43		360343	223788
3.446		166634	90850
3.484		44561	26392
3.5		3661	1441
3.511		24754	13500
3.546		451817	363584
3.583		2063	1057
3.602		4503	2747
3.622		12793	8126
3.656		102014	60959
3.671		52187	26151
3.716		174766	118292
3.726		480791	251222
3.764		566934	445248
3.821		503994	392399
3.862		37467	26073
3.89		318398	245900
3.918		218289	183953
3.94		62294	36868
4.014		369801	271551
4.039		123937	83944
4.07		146689	104666
4.103		397437	391697
4.144		123443	103257
4.191		18951	15656
4.231		23738	18379
4.265		334222	250905
4.282		57699	30886
4.307		110514	85170
4.378		57876	50802
4.42		389586	391550
4.454		9643	6454
4.494		523	166

RT A	Compound A	Height A	Area A
4.518		3258	2691
4.559		28270	26301
4.609		45797	30022
4.625		94623	69546
4.671		253816	243478
4.72		373703	432485
4.757		80322	56748
4.796		876564	858486
4.842		2931	1912
4.882		153534	167359
4.916		7142	4344
4.943		170779	170315
4.995		1117807	1428283
5.047		206717	202106
5.086		522690	606269
5.165		111202	127953
5.198		1391147	1475739
5.239		10552	4493
5.266		637516	635525
5.309		413470	413836
5.373		1106	1982
5.402		167267	134237
5.427		687689	647889
5.483		387542	359655
5.522		210970	220247
5.565		39779	39665
5.605		265408	298708
5.662		1950126	2129643
5.751		1929	3106
5.865		1199802	1162856
5.896		54920	33189
5.922		265213	292720
5.999		1706	2624
6.057		52349	53309
6.136		240878	338739
6.233		559	448
6.292		536936	549252
6.337		35866	35483
6.429		1268	1962
6.466		813	382
6.496		171400	181276
6.55		2355	2310
6.646	DCB	4053681	4394429
6.782		575	510
6.816		1042	1179
6.847		471	186
6.892		613	543
6.926		7013	9569
6.984		597	304

LANCASTER LABORATORIES

Sample Number: AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:16:59 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.109.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.013		10753	17866
2.081		15293	11284
2.185		3540	5099
2.232		2294	5059
2.262		3478	5982
2.326		7466	4761
2.387		2450	4247
2.503		1931	4331
2.546		7836	6586
2.575		10258	6594
2.641	TCX	7404593	4284054
2.685		52520	37032
2.811		114075	75502
2.859		68182	31873
2.872		104034	51856
2.925		601590	362341
2.975		18912	10948
3.036		80099	50718
3.082		633	212
3.093		1087	767
3.109		466	78
3.132		465694	237567
3.143		167824	63780
3.184		91350	55819
3.205		40030	22342
3.231		64623	37012
3.255		678082	460754
3.292		22911	12916
3.319		6548	3102
3.338		181537	98569
3.354		102792	51784
3.404		425347	196444
3.414		761069	339464
3.434		28761	9895
3.448		702717	488686
3.523		766943	487937
3.558		509467	327231
3.582		582852	471037
3.687		635642	431883
3.71		254329	138297
3.732		219215	136262
3.761		145516	75745
3.778		527109	329199
3.819		201882	143562
3.866		25401	20852
3.888		141506	86484
3.91		631372	449608
3.936		149364	102590
3.974		82304	53464
4.009		568630	411896
4.059		65438	88908
4.12		5094	3651
4.155		40202	32880
4.211		153866	119331

RT B	Compound B	Height B	Area B
4.254		152091	95239
4.285		530239	551990
4.311		231063	235515
4.363		1319460	1035254
4.411		19623	13223
4.433		137792	89627
4.457		287870	222883
4.499		1560389	1313863
4.602		1274198	1271772
4.656		165056	138307
4.694		379107	321744
4.73		1594356	1340545
4.762		741784	568421
4.801		546960	458648
4.869		1962	1882
4.9		200572	221708
4.951		1069892	1146157
5.025		540816	521158
5.061		278334	223527
5.089		199127	171727
5.123		49668	32031
5.143		2668322	2161021
5.185		55183	41506
5.217		102410	89245
5.333		31042	18776
5.357		526715	457929
5.402		1757633	1939450
5.556		68963	64907
5.601		48101	35940
5.624		49254	37364
5.673		321938	298465
5.778		729305	633328
5.809		44803	32539
5.929		2067	2466
5.976		244440	231997
6.135	DCB	5849585	5436653
6.265		6667	13596
6.313		2774	1984
6.458		1822	4808
6.587		6502	6131
6.71		2209	5218

AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082

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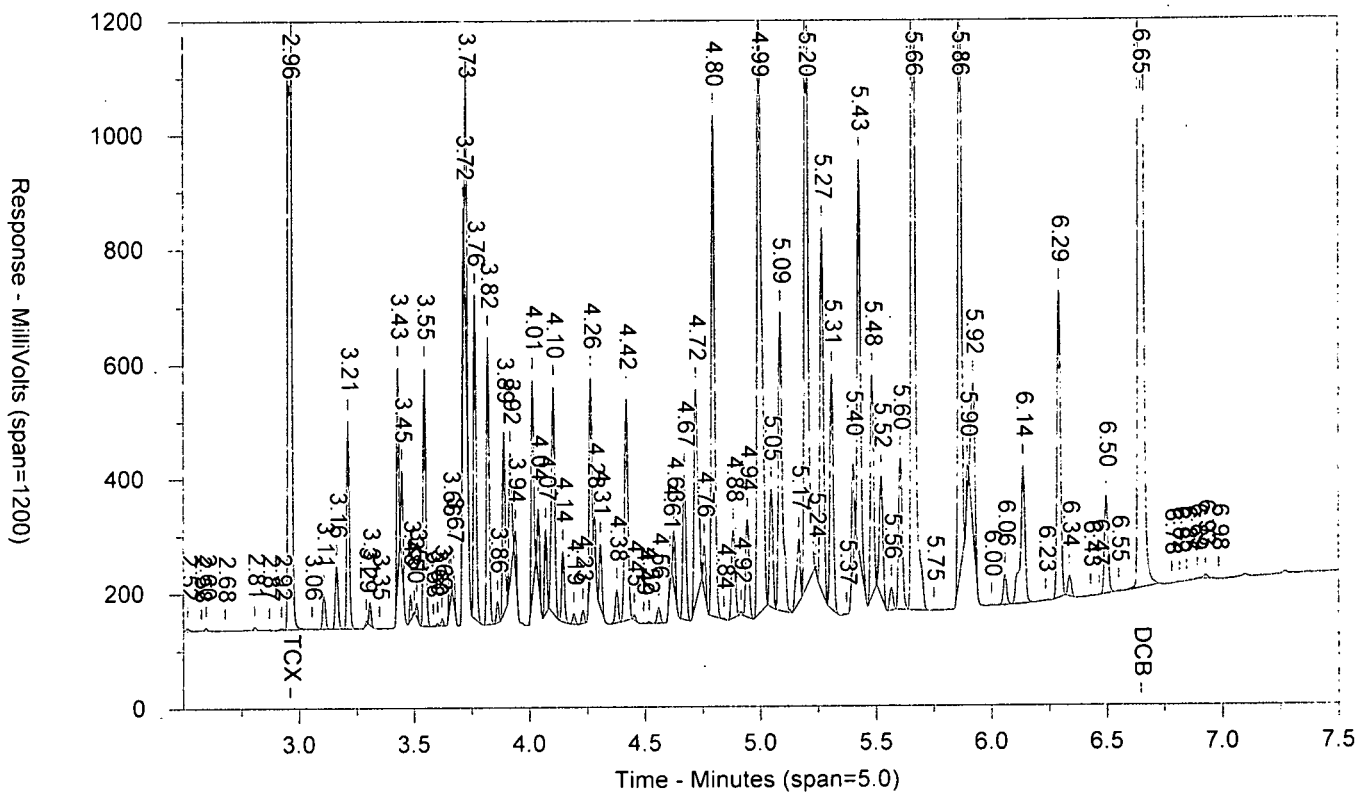

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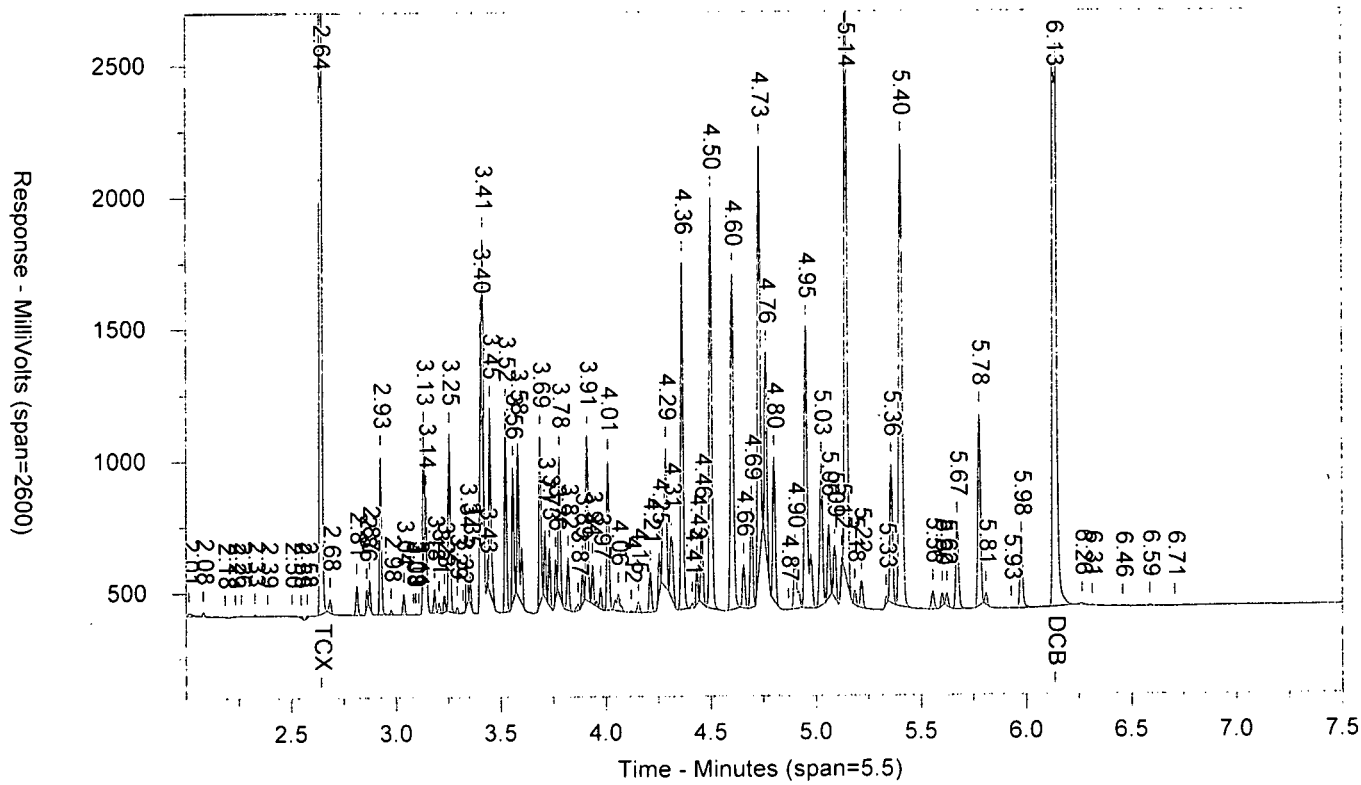

LANCASTER LABORATORIES

Sample Number: AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:16:59 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.961	4646130	40.874	TCX	2.641	7404593	41.425	TCX
6.646	4053681	38.067	DCB	6.135	5849585	38.74	DCB

Files:
Area File: 25PCBS17257004.109.RAW
Area File: 25PCBS17257004B.109.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 2:25:32 PM
File Reported On: 9/18/2017 at 2:25:43 PM

AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082

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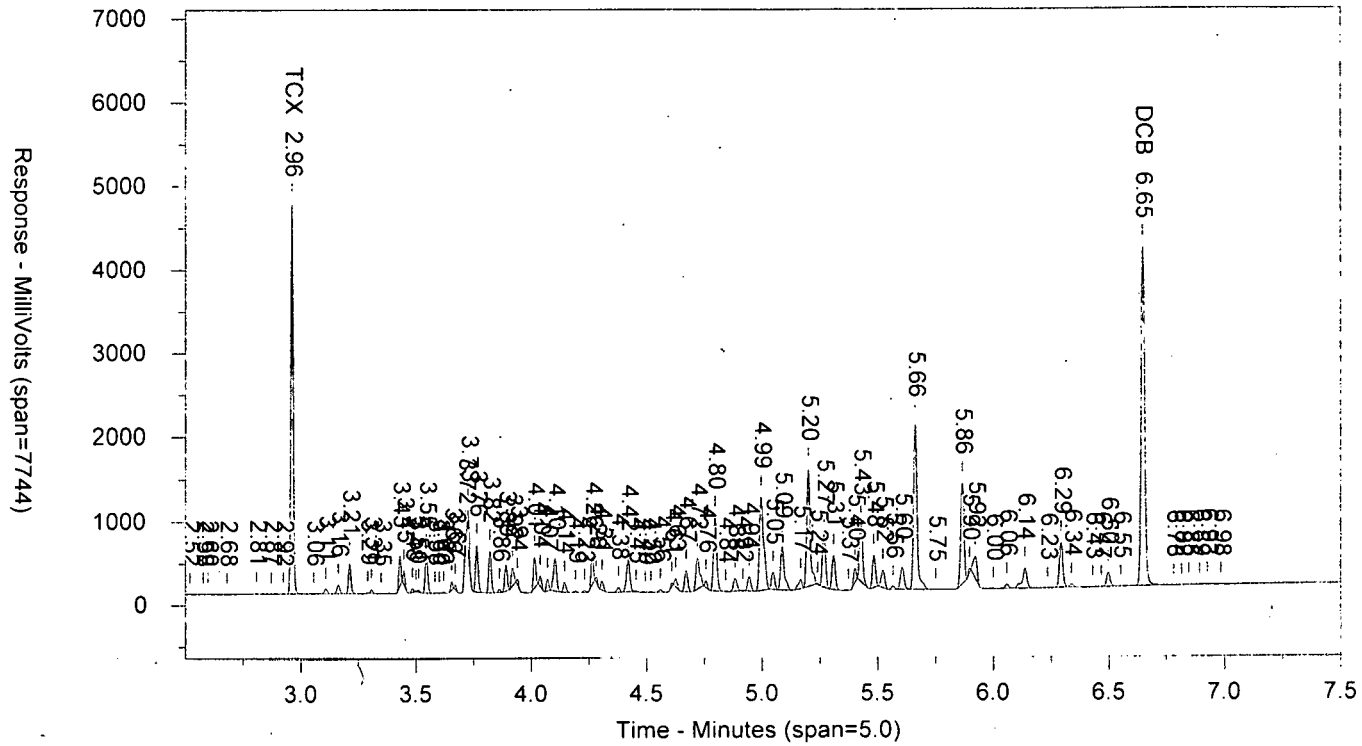

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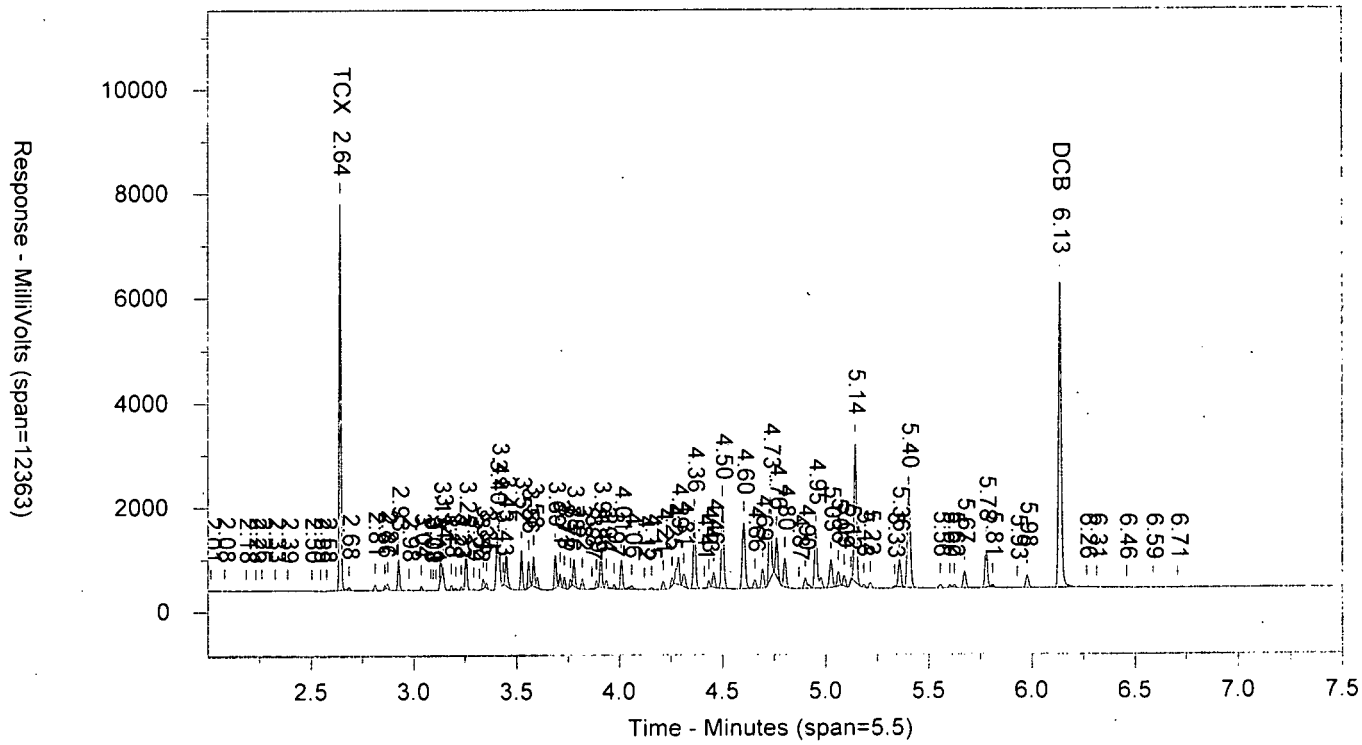

AR1641724B AFAR164AF CCAL 1725999999 10736 SW-846 8082

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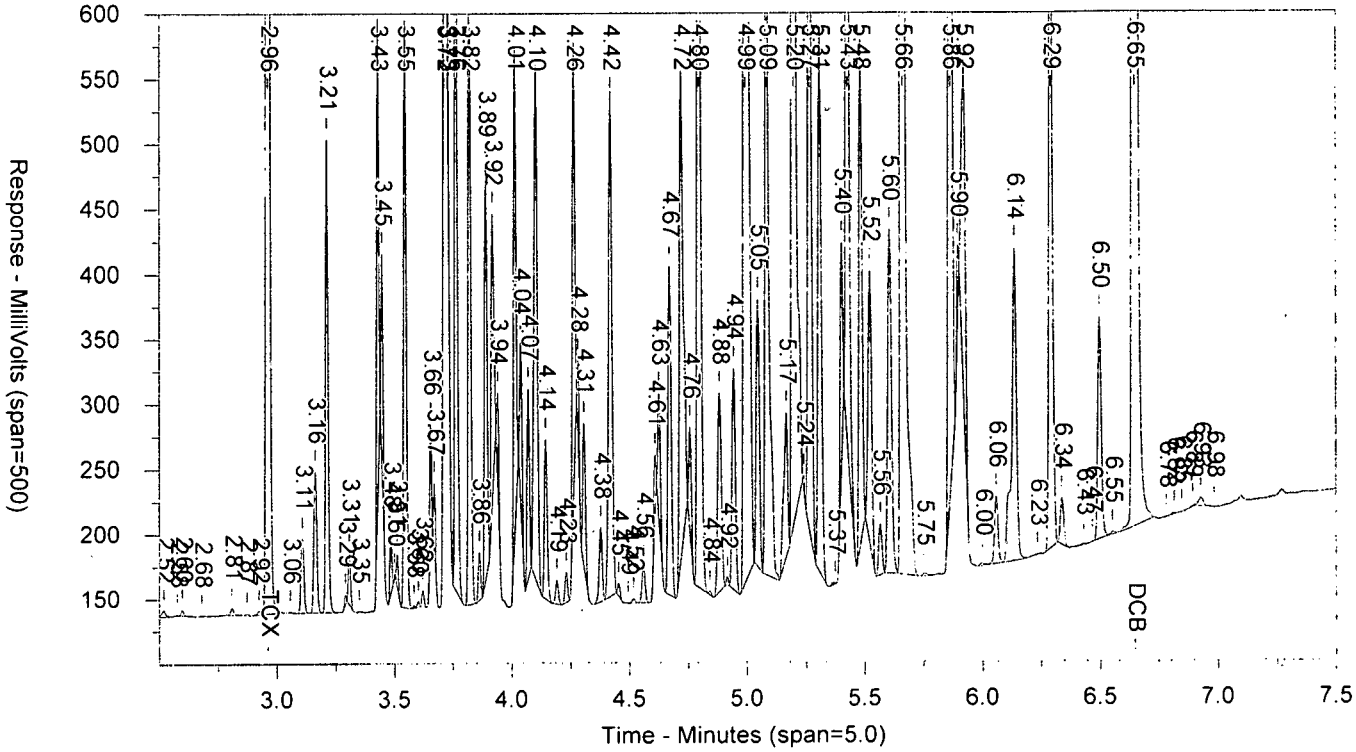

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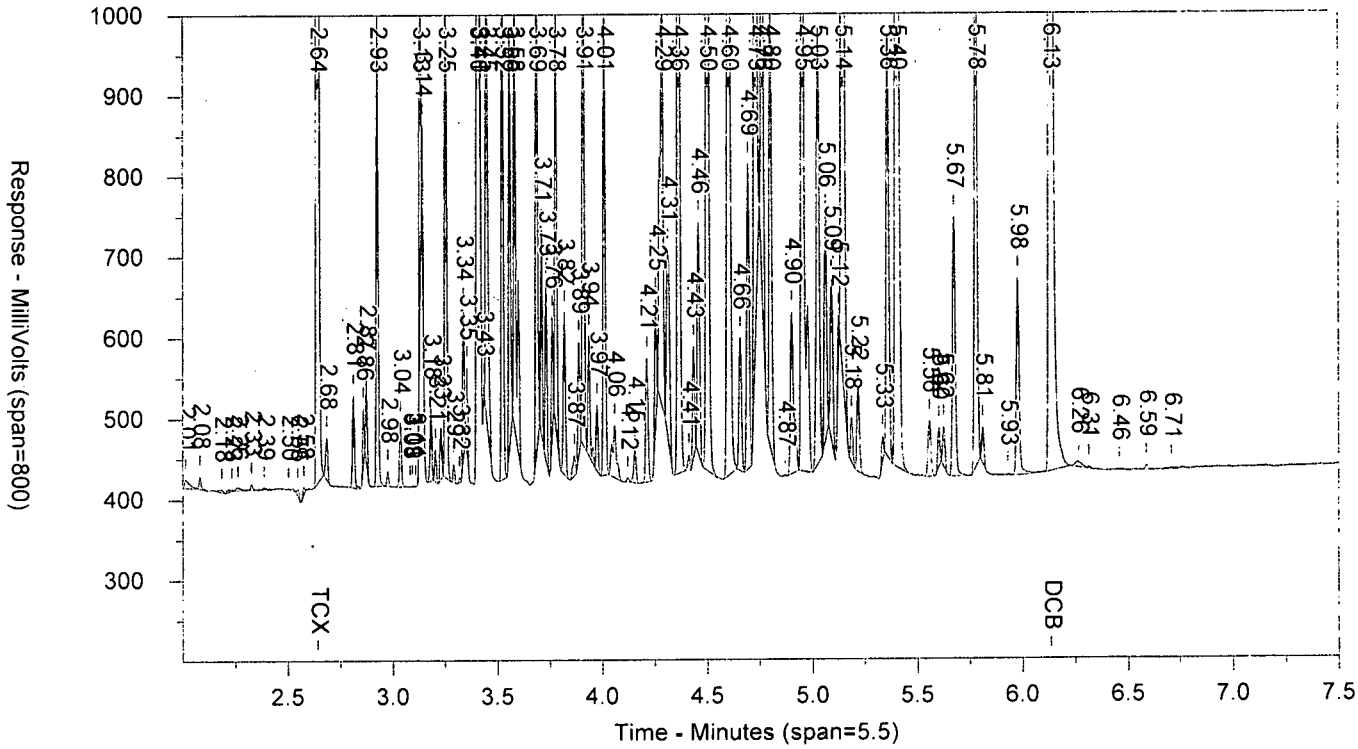

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:28:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.110.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		4990	5955
2.108		8606	20556
2.259		11049	7547
2.358		15367	12964
2.393		1819	2611
2.517		3790	5135
2.566		578	416
2.675		572	349
2.744		298	99
2.806		24390	24879
2.921		2345	2412
2.96	TCX	2312848	1581237
3.059		974	1034
3.12		291	161
3.156		30079	19853
3.252		537	447
3.288		7751	6196
3.36		608	708
3.413		1096	2013
3.535		1009	680
3.599		2691	1679
3.635		1916	1915
3.708		1934	2829
3.757		1123	946
3.819		609	1474
3.895		602	515
3.912		374	233
3.938		445	276
3.963		2450	2502
4.203		328	262
4.253		777	791
4.296		2888	4802
4.366		1071	1975
4.412		518	428
4.522		518	414
4.55		662	744
4.645		2784	3725
4.699		464	287
4.734		419	475
4.789		711	802
4.876		421	274
4.914		555	273
4.935		2520	2313
5.007		2995	3952
5.038		1763	1532
5.074		1697	1667
5.157		2001	2094
5.197		1005	873
5.264		753	606
5.303		449	329
5.359		5707	9659
5.428		1762	5771
5.446		377	122
5.487		535	758

RT A	Compound A	Height A	Area A
5.522		283	379
5.56		1827	1867
5.606		650	585
5.66		820	785
5.683		6510	6995
5.761		3987	4358
5.818		511	293
5.863		1085	1079
5.893		665	299
5.932		261	619
5.961		381	297
5.991		2410	3619
6.054		13521	13604
6.117		12766	15293
6.179		513	349
6.274		2059	4142
6.328		3612	6911
6.395		542	299
6.434		296	521
6.492		17468	16227
6.516		1750	1238
6.552		1138	1459
6.642	DCB	2034634	2245922
6.751		446	113
6.817		692	1349
6.845		617	476
6.875		171	660
6.887		569	319
6.922		6050	9227
6.981		486	246
6.992		788	201

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:28:19 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.110.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.018		15171	25376
2.082		7684	6830
2.182		1746	1845
2.239		1610	3962
2.257		3420	3440
2.384		2455	4238
2.515		2230	3366
2.574		51314	43574
2.642	TCX	3693746	2124392
2.859		50967	31640
2.975		9358	6046
3.066		754	152
3.078		820	340
3.097		362	132
3.111		475	64
3.119		1702	651
3.143		768	686
3.151		1922	1016
3.181		337	113
3.188		648	152
3.212		1002	833
3.288		957	558
3.318		4441	2471
3.358		2870	4652
3.417		2810	6462
3.521		1916	1710
3.679		4112	14594
3.81		2734	16939
3.867		2285	5424
3.928		1726	3183
3.976		1631	1159
4.198		3132	5069
4.274		3474	17434
4.402		1809	4686
4.475		4112	14430
4.619		4845	7033
4.845		2594	66136
5.065		1300	2740
5.141		2181	3145
5.214		7317	9083
5.375		5665	9873
5.5		1895	2576
5.553		20393	20073
5.62		18673	18117
5.669		3843	3871
5.838		1132	1571
5.973		27197	28000
6.133	DCB	3083317	2776935
6.259		7117	15076
6.447		2305	4874
6.585		3627	3612
6.762		1401	5287
6.915		2015	6209

IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082

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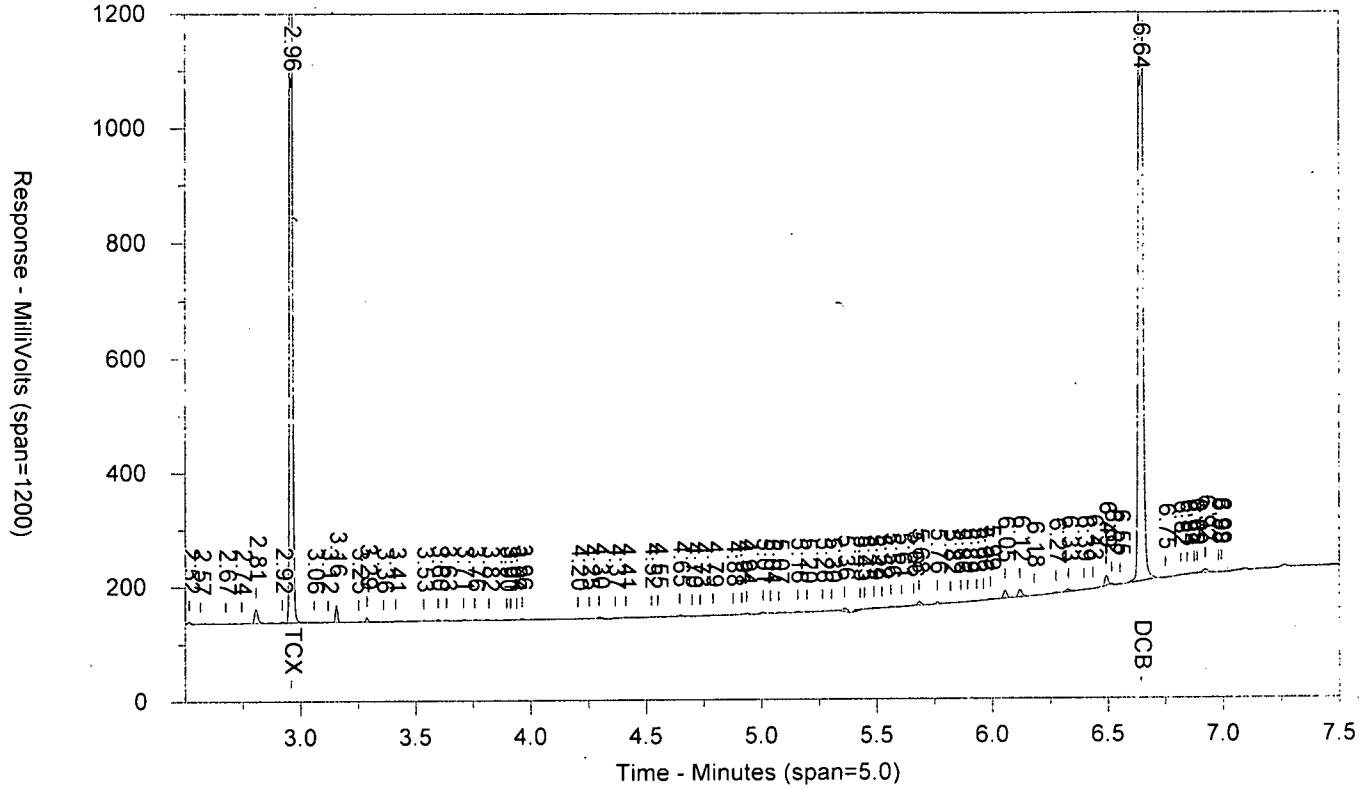

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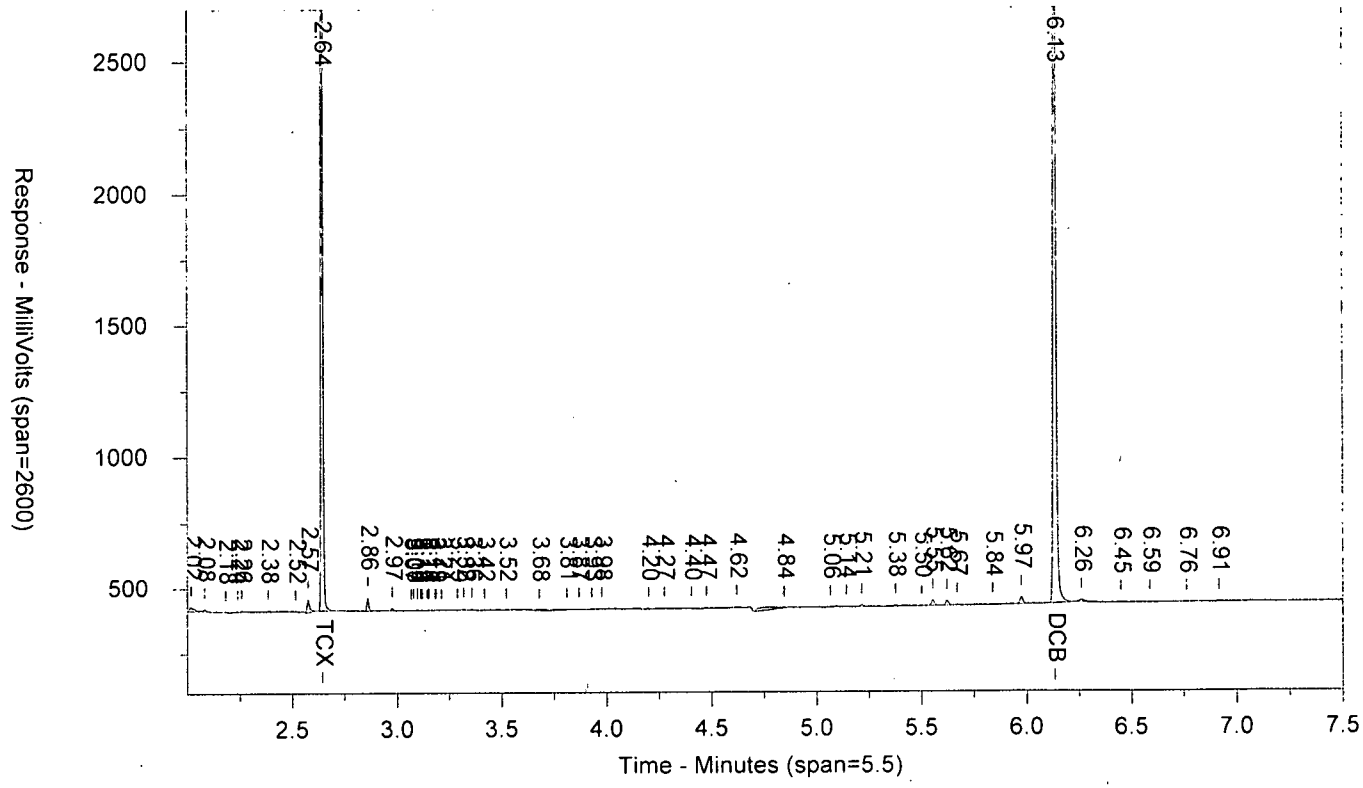

LANCASTER LABORATORIES

Sample Number: IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082
Injected On: 9/18/2017 2:28:19 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	2312848	.203	TCX	2.642	3693746	.207	TCX
6.642	2034634	.191	DCB	6.133	3083317	.204	DCB

Files:
Area File: 25PCBS17257004.110.RAW
Area File: 25PCBS17257004B.110.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 2:36:51 PM
File Reported On: 9/18/2017 at 2:36:59 PM

IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082

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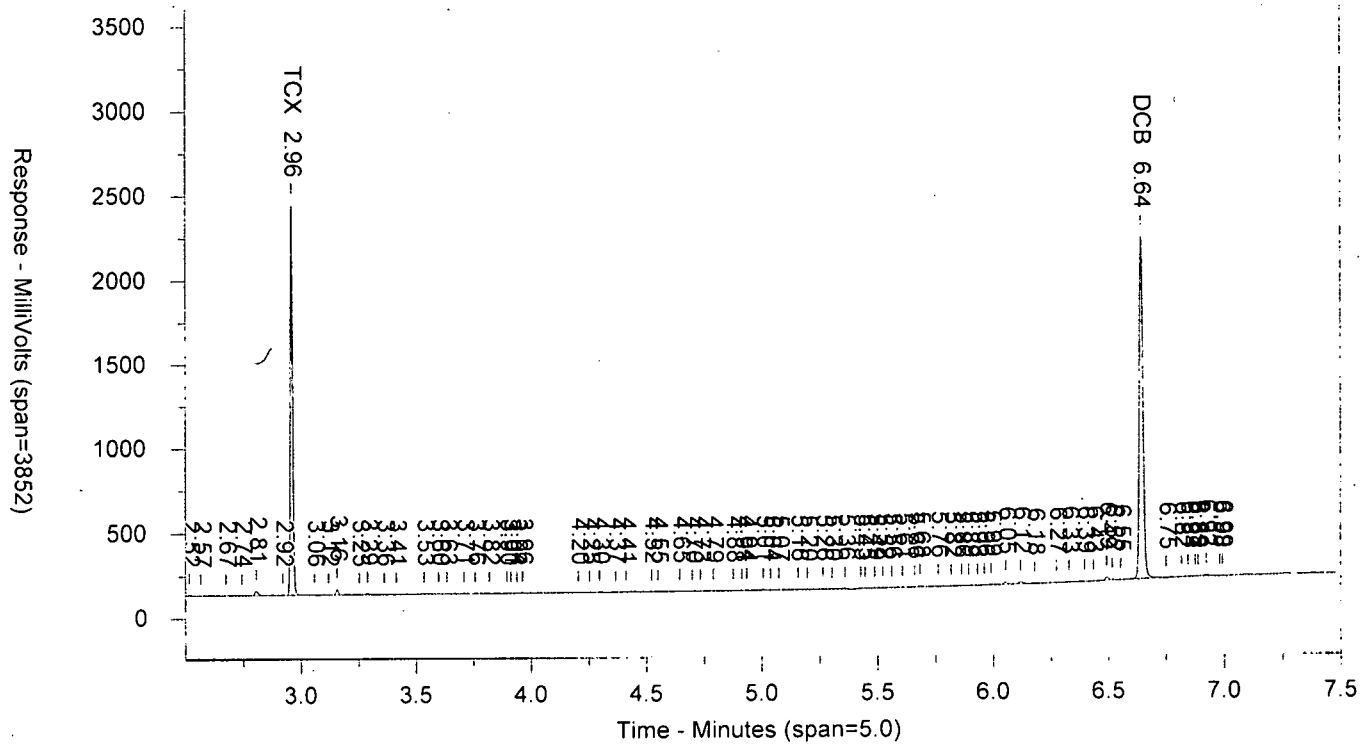

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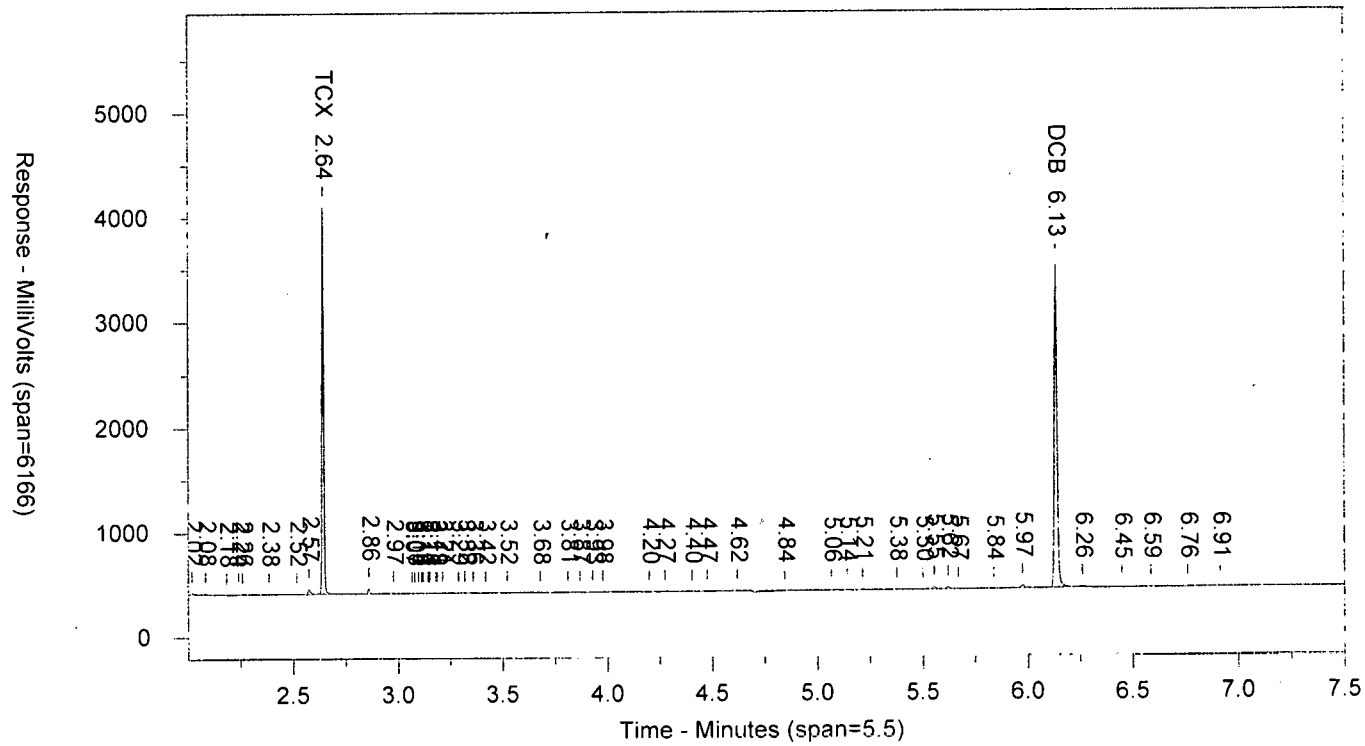

IBLKX1724B AOPIBLKAO PIBLK1725999999 10736 SW-846 8082

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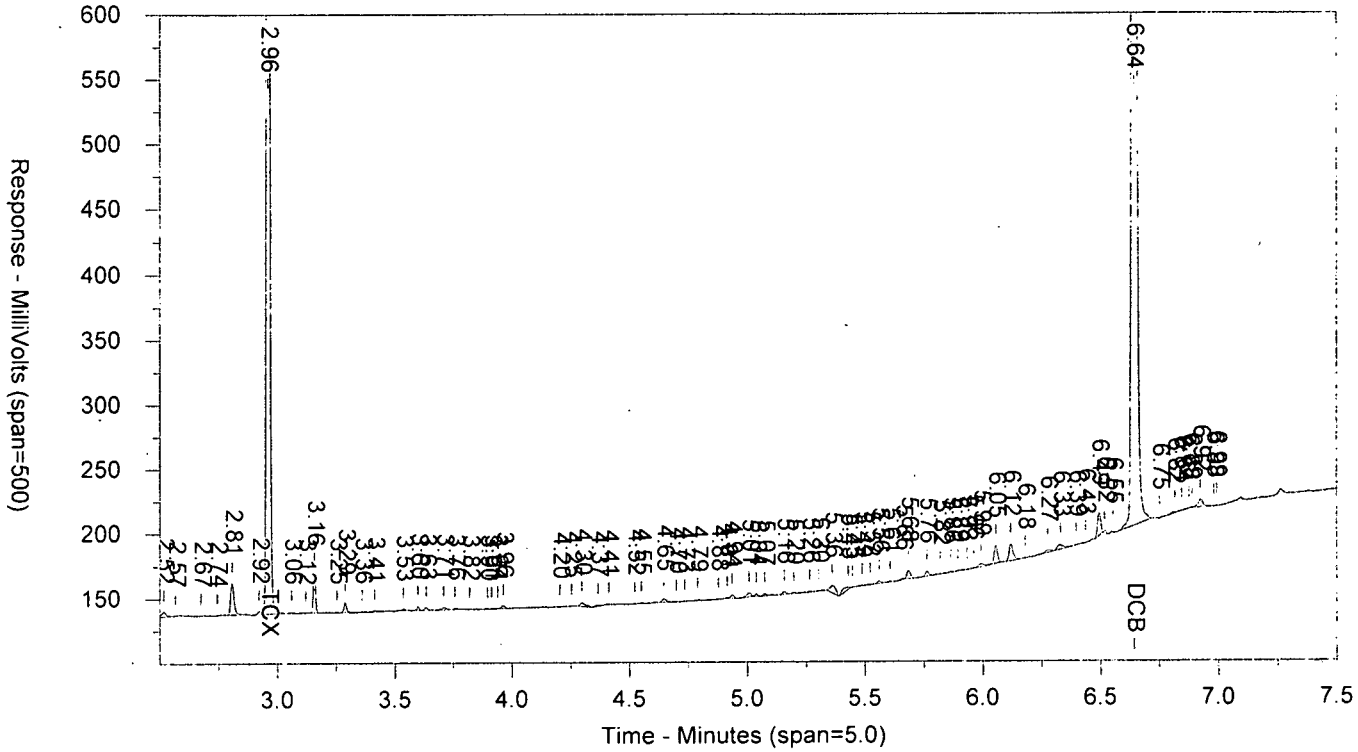

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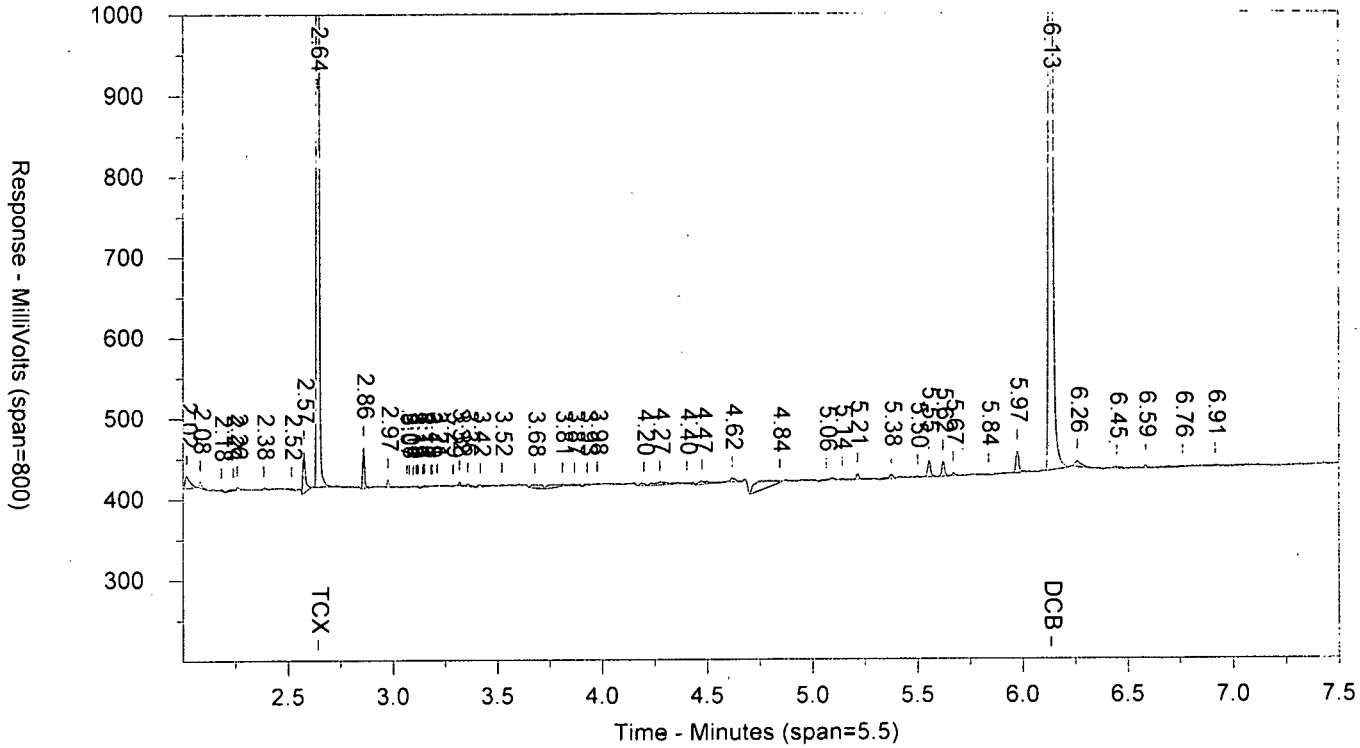

LANCASTER LABORATORIES

Sample Number: AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 12:51:39 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006.020.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		8422	9209
2.104		5812	12909
2.212		401	318
2.259		21546	15043
2.318		489	464
2.366		9438	10666
2.393		1235	2348
2.516		6418	7508
2.595		4199	3562
2.681		357	282
2.711		641	452
2.758		352	179
2.805		2115	1680
2.85		359	116
2.87		1102	645
2.886		802	288
2.922		3915	3421
2.959	TCX	4663259	3151923
3.055		1064	1226
3.105		58272	50287
3.159		110445	95833
3.208		373566	273579
3.286		8058	4042
3.302		41563	26070
3.343		1344	1017
3.423		370476	229497
3.441		171789	93101
3.478		47143	26929
3.493		3660	1380
3.504		26356	14447
3.538		486091	372427
3.575		2383	1169
3.594		2967	1720
3.614		13472	9103
3.648		109051	62936
3.663		54652	27484
3.707		208184	121446
3.717		556829	288220
3.754		600051	467182
3.813		515288	416119
3.854		39762	28164
3.883		344496	259676
3.91		231262	190053
3.931		66976	37673
4.006		396713	285746
4.03		129262	88017
4.061		157188	112460
4.096		425541	418840
4.135		134220	110643
4.183		19899	17192
4.222		25818	19546
4.256		357772	273082
4.274		61064	33714
4.298		115215	90240

RT A	Compound A	Height A	Area A
4.369		61833	54455
4.411		422665	419428
4.445		10142	6997
4.509		3530	2927
4.55		32647	30444
4.601		44003	33061
4.617		99262	73548
4.662		274441	259526
4.712		390948	464492
4.749		85701	60945
4.788		926453	919308
4.832		3142	2710
4.874		169517	176723
4.908		9010	5633
4.935		184672	179030
4.987		1189452	1510426
5.038		222299	214885
5.078		562547	646761
5.158		112813	136653
5.192		1491331	1558136
5.233		12477	4930
5.259		693152	667584
5.3		440124	435978
5.356		2052	1701
5.395		173437	145822
5.42		749534	686211
5.477		388217	376568
5.515		223315	230583
5.557		44131	45620
5.598		265327	312158
5.655		2030059	2206363
5.747		1888	2294
5.8		979	1008
5.86		1230966	1194826
5.891		53105	37215
5.916		261176	303197
5.989		2970	3648
6.05		63600	66227
6.13		241932	362866
6.235		588	1140
6.284		541294	554558
6.33		37552	36426
6.424		719	838
6.487		174535	187566
6.545		1883	2339
6.637	DCB	4187769	4346231
6.761		803	371
6.804		558	1121
6.843		501	244
6.885		424	537
6.916		6133	8035

LANCASTER LABORATORIES

Sample Number: AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 12:51:39 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.020.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		10672	17389
2.082		14844	10426
2.142		1452	1313
2.239		1615	5678
2.256		2365	3061
2.327		7410	4529
2.395		2656	7043
2.518		2282	2123
2.541		14398	9416
2.613		5271	48360
2.641	TCX	7531656	4228362
2.685		52194	36504
2.812		114934	76450
2.859		67663	32653
2.873		103280	52066
2.925		588189	364688
2.975		19809	11054
3.036		78221	51357
3.076		762	376
3.094		1468	755
3.131		500016	241237
3.142		184778	67477
3.182		93124	57030
3.203		40885	22597
3.229		68091	38070
3.253		704082	473271
3.289		24893	13897
3.317		3496	1667
3.335		187486	102080
3.351		110069	53614
3.401		457846	201334
3.411		857867	355779
3.431		28436	10263
3.444		732154	509255
3.519		787658	512091
3.553		539504	342063
3.577		602019	492961
3.68		675830	457404
3.704		269315	144172
3.724		243310	146322
3.753		154378	80249
3.771		525303	348903
3.812		205753	153300
3.86		25799	21505
3.882		147739	90594
3.904		707718	474472
3.93		153527	109804
3.967		89009	56759
4.002		610441	440245
4.052		69552	95134
4.112		5430	4057
4.148		44689	37318
4.205		105259	130004
4.248		170297	104431

RT B	Compound B	Height B	Area B
4.279		571887	582895
4.305		254671	249958
4.357		1385943	1105561
4.404		21309	14734
4.428		134644	90964
4.451		311048	232704
4.493		1664309	1378123
4.596		1390215	1346175
4.65		173911	148542
4.688		389256	345165
4.725		1755871	1407435
4.756		793634	597236
4.795		584643	478406
4.862		1963	1925
4.894		206128	231037
4.946		1095400	879892
4.97		131857	90161
5.019		584724	533825
5.055		280432	232344
5.084		212254	183405
5.119		34948	26575
5.138		2690944	2217750
5.18		55037	41858
5.212		114562	99481
5.329		28574	18904
5.352		528424	470288
5.397		1817995	1977641
5.551		85615	79738
5.597		48997	34113
5.62		73590	55279
5.669		329092	304063
5.774		727312	636410
5.806		43157	32318
5.925		1630	1451
5.972		245763	235103
6.13	DCB	5886053	5389910
6.252		7033	14289
6.582		6635	6176
6.703		1776	2913
6.754		1814	1638

AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082

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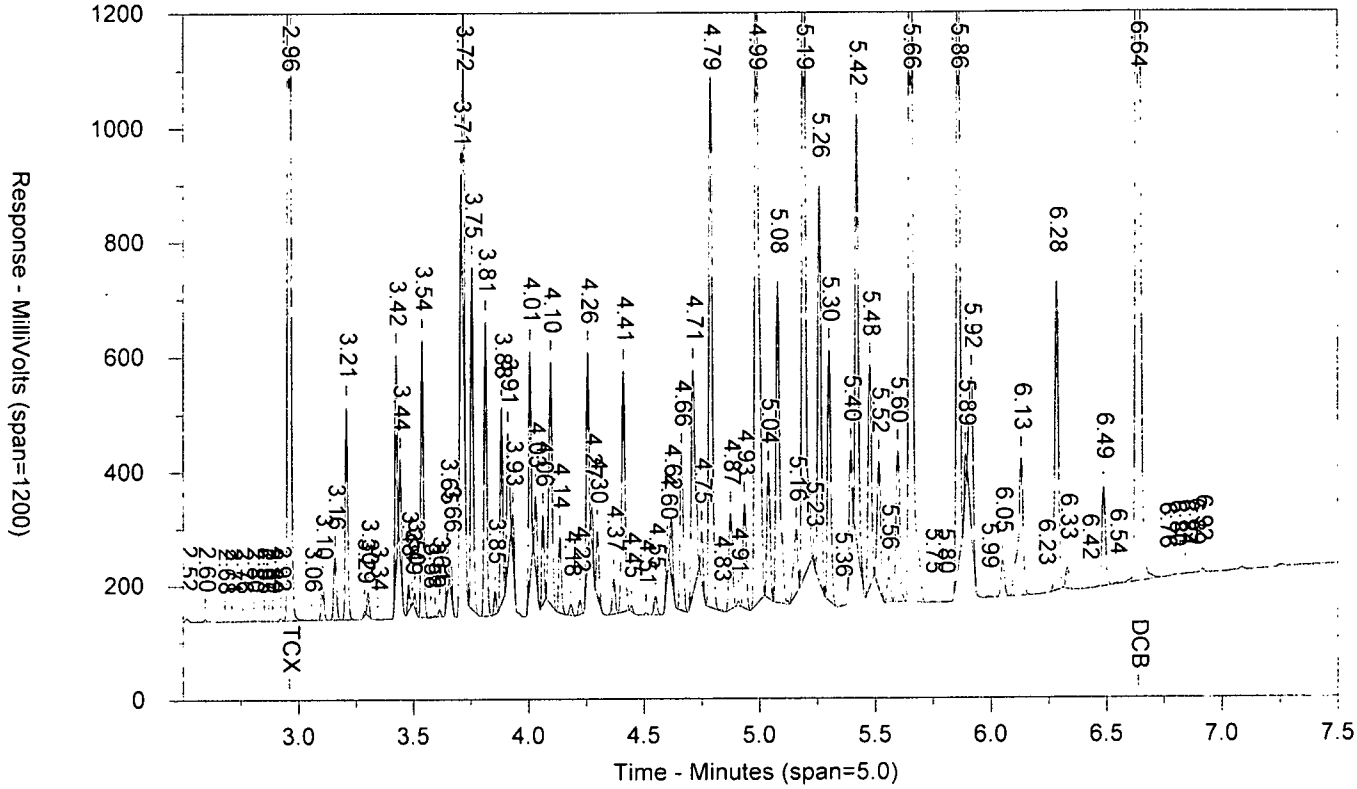

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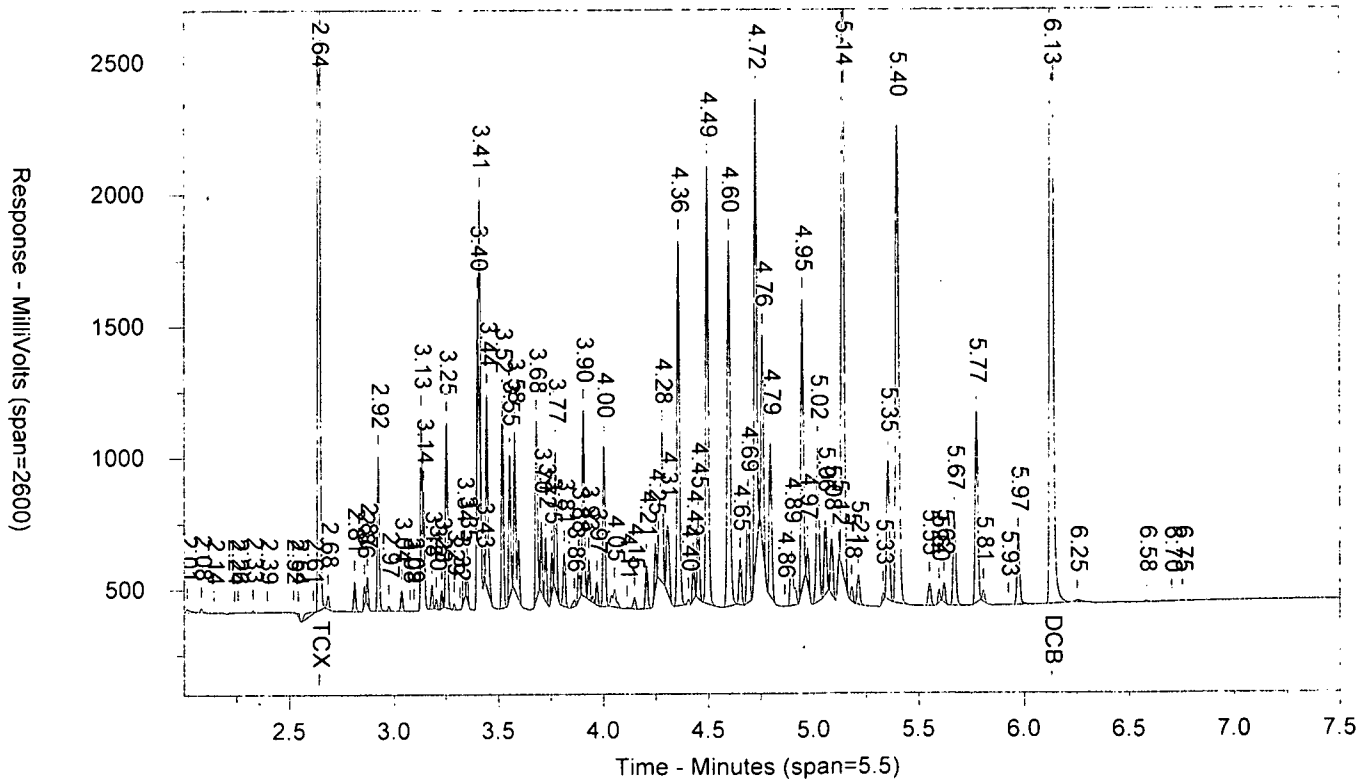

LANCASTER LABORATORIES

Sample Number: AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 12:51:39 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	4663259	41.025	TCX	2.641	7531656	42.136	TCX
6.637	4187769	39.326	DCB	6.13	5886053	38.981	DCB

Files:
Area File: 25pcbs17257006.020.RAW
Area File: 25pcbs17257006B.020.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 1:00:12 AM
File Reported On: 9/20/2017 at 1:00:28 AM

AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082

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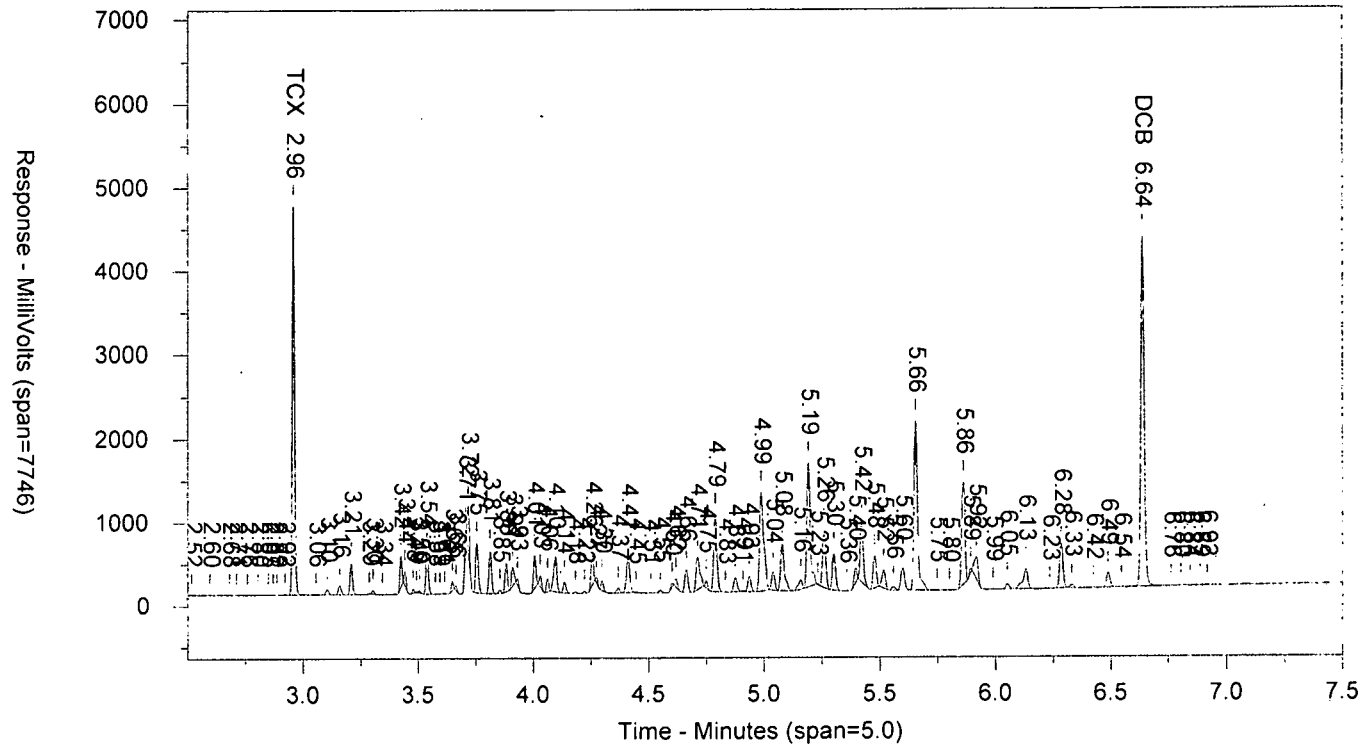

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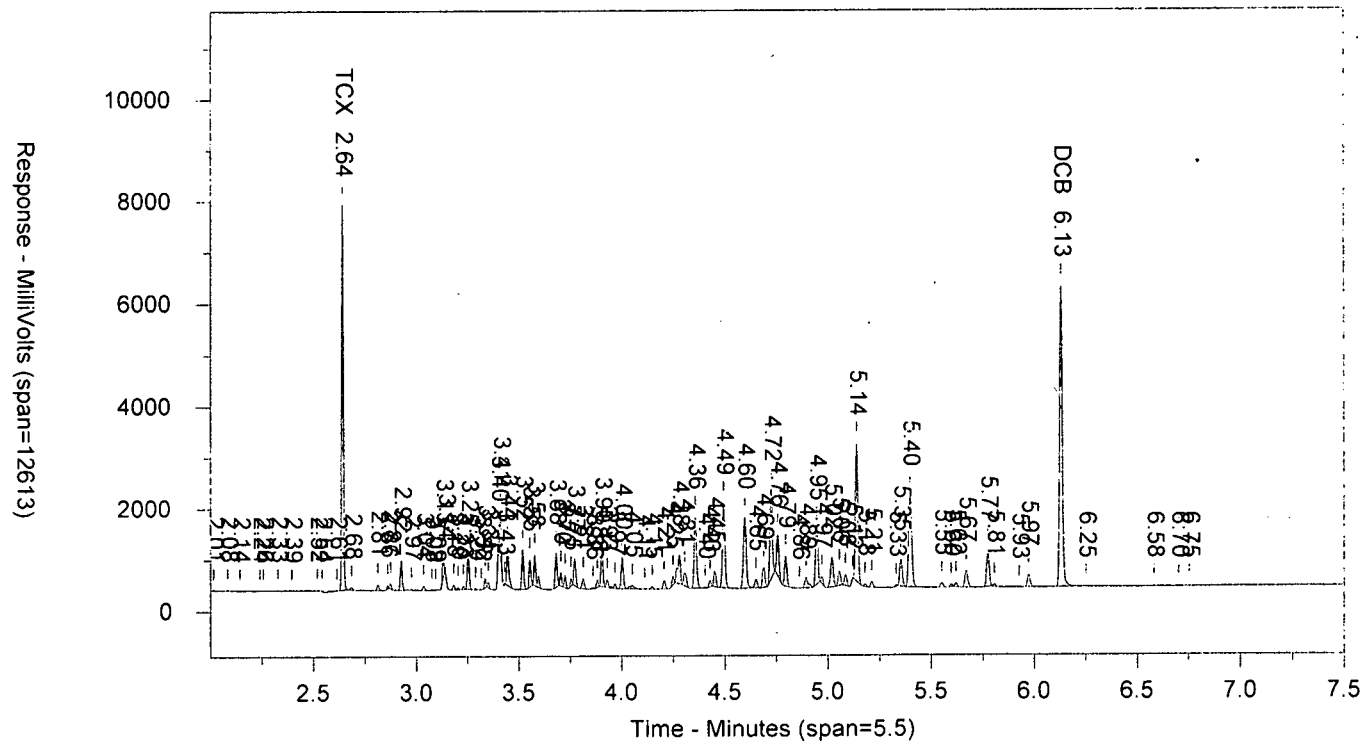

AR1641724B BHAR164BH CCAL 1726199999 10736 SW-846 8082

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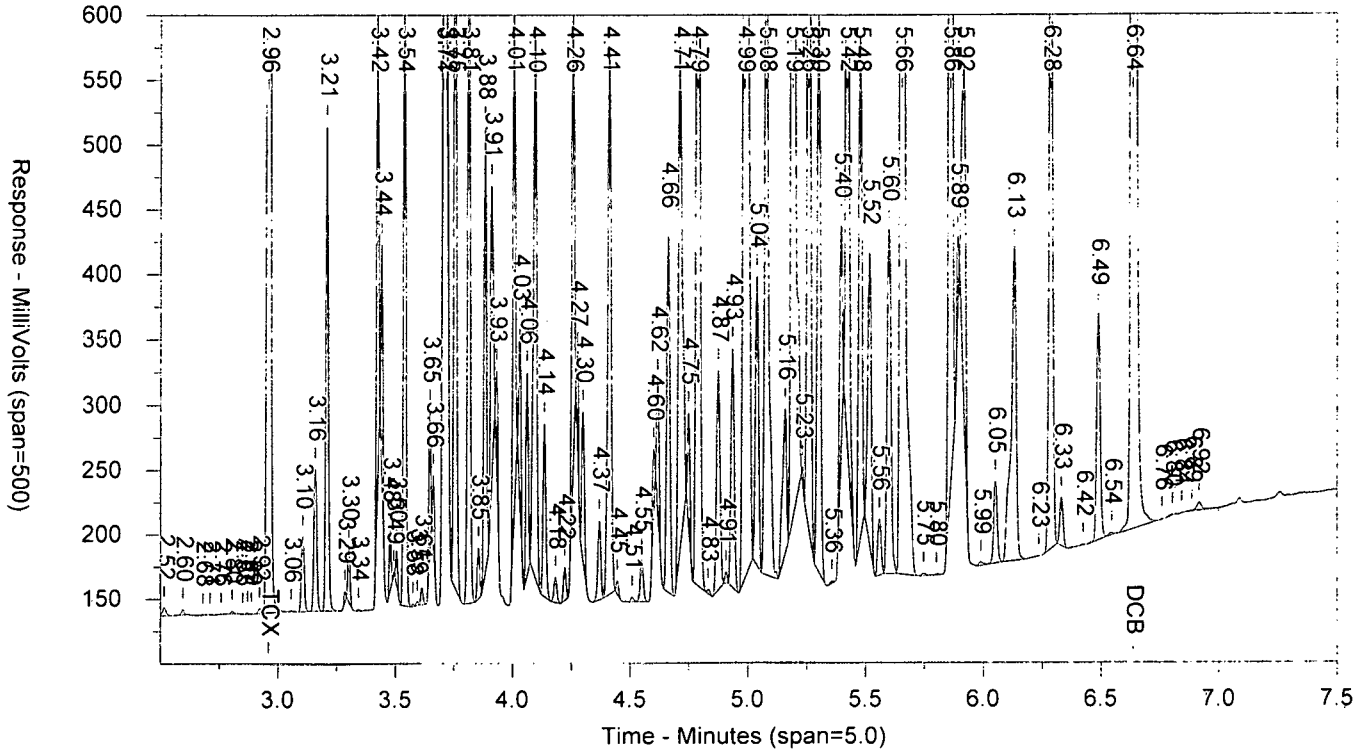

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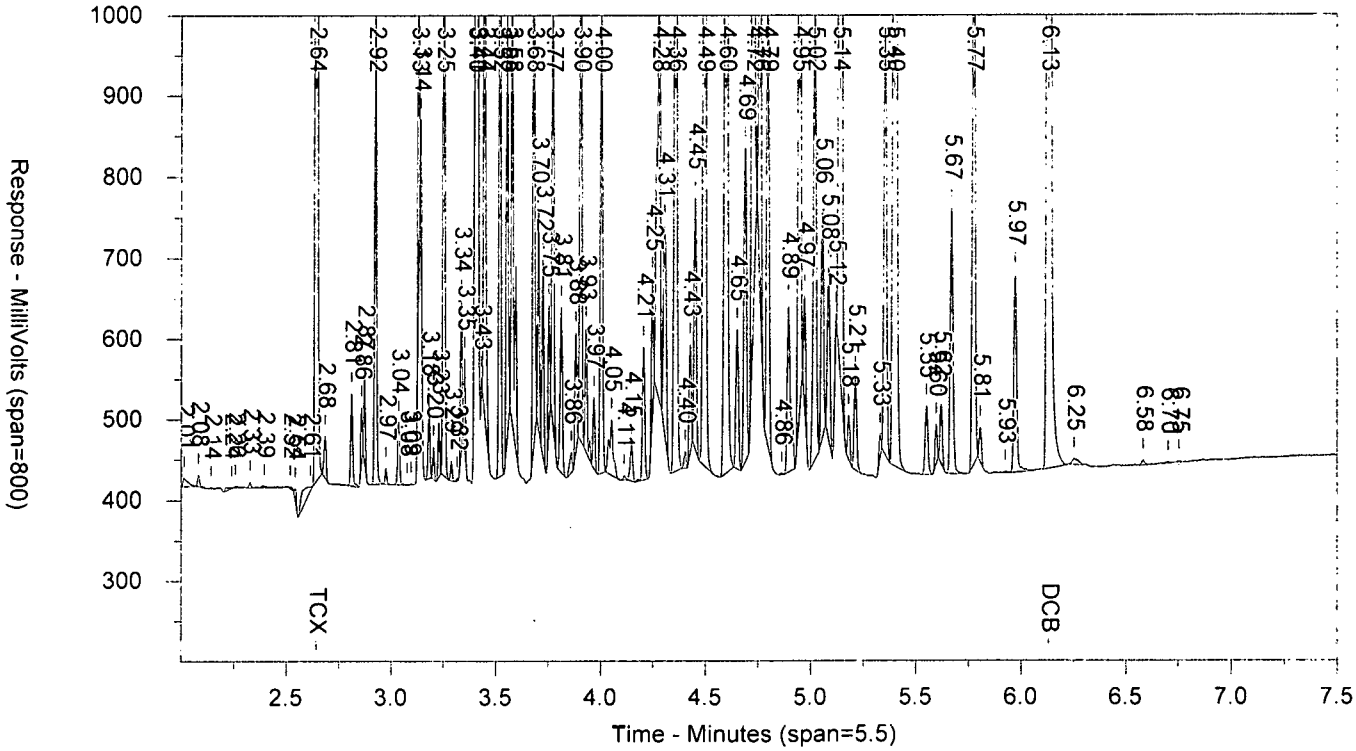

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 1:02:58 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006.021.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		6949	8134
2.104		6987	17754
2.259		11414	8911
2.357		13302	11609
2.391		1412	1378
2.516		5080	6505
2.566		512	332
2.582		571	635
2.616		744	448
2.675		480	277
2.778		524	1045
2.806		13239	12684
2.867		588	409
2.922		3384	3015
2.959	TCX	2233863	1548140
3.155		30027	20368
3.186		410	134
3.244		410	178
3.287		8969	7145
3.368		374	185
3.415		978	1523
3.512		495	219
3.533		945	1220
3.596		1828	1284
3.629		3082	3205
3.706		1568	2129
3.758		810	685
3.808		540	471
3.843		636	522
3.926		361	231
3.96		4072	4385
4.029		391	274
4.061		399	296
4.101		441	127
4.251		920	1054
4.295		4700	7149
4.354		499	394
4.409		902	1251
4.526		346	236
4.548		514	305
4.588		269	308
4.61		547	389
4.645		5057	6203
4.716		513	344
4.752		330	169
4.845		382	195
4.913		1332	1006
4.933		2206	1969
4.972		381	157
5.006		5762	8153
5.071		1024	1016
5.099		1526	1631
5.155		3179	3388
5.223		434	161

RT A	Compound A	Height A	Area A
5.292		291	189
5.309		423	137
5.358		7013	11168
5.427		320	1828
5.447		337	258
5.486		425	250
5.558		3214	3688
5.595		477	201
5.682		12055	15598
5.761		2111	2330
5.842		302	389
5.86		1079	831
5.921		611	1624
5.993		4059	8341
6.052		18632	18450
6.115		19171	22292
6.188		458	117
6.223		487	202
6.272		4038	5223
6.317		3514	4225
6.36		484	153
6.378		422	279
6.409		324	566
6.424		399	276
6.46		616	294
6.488		20745	21235
6.54		3482	3461
6.637	DCB	2000941	2200991
6.803		1476	2156
6.816		530	119
6.834		530	301
6.855		1151	489
6.876		191	194
6.915		6122	8928
6.961		780	507

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 1:02:58 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.021.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.015		12000	20366
2.082		8198	6950
2.136		1537	907
2.241		1443	5209
2.255		3505	6705
2.39		1726	1992
2.543		13380	7957
2.574		41651	59790
2.642	TCX	3647119	2097744
2.827		2612	2726
2.859		54042	33988
2.975		9174	6492
3.067		813	143
3.077		755	217
3.086		482	115
3.097		989	430
3.111		943	177
3.143		755	899
3.154		541	234
3.161		810	246
3.175		416	83
3.213		1179	1248
3.303		1106	420
3.317		3233	2719
3.358		2822	4956
3.412		3279	4474
3.447		762	297
3.458		963	293
3.479		1400	1116
3.603		3413	10807
3.666		3456	4730
3.752		4202	10011
3.927		4094	8510
4.183		5215	9544
4.251		1485	3563
4.475		7602	19316
4.616		5303	5325
4.681		3717	4032
4.75		2423	3727
4.986		3484	12496
5.074		732	4337
5.092		4138	4468
5.214		10843	10066
5.342		2128	4018
5.374		2747	2569
5.503		1791	2892
5.553		28245	28193
5.62		28706	27665
5.669		5822	5712
5.94		1651	8385
5.973		30779	26637
6.081		1608	1633
6.131	DCB	3107134	2704110
6.259		8998	27432

RT B	Compound B	Height B	Area B
6.518		1654	9881
6.582		3795	7473
6.771		1401	7643

IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082

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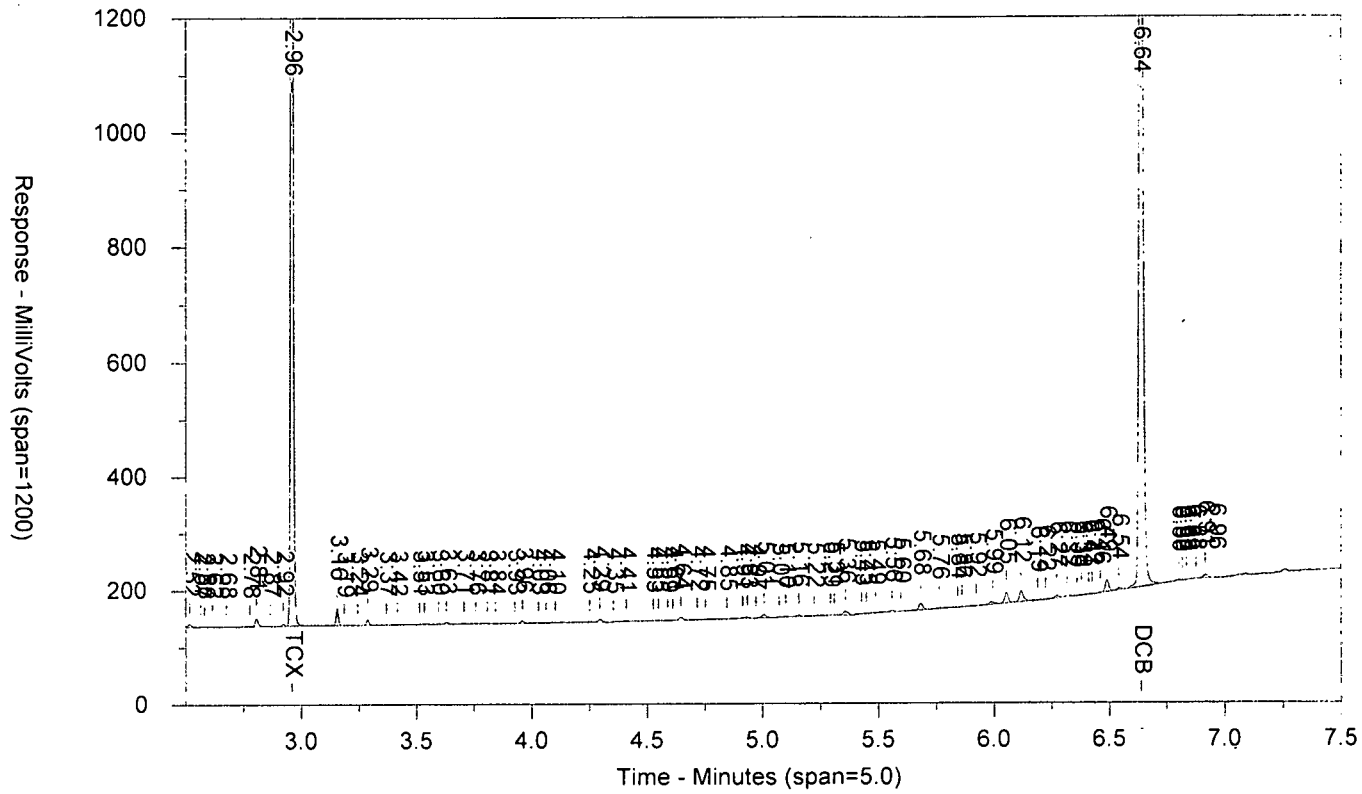

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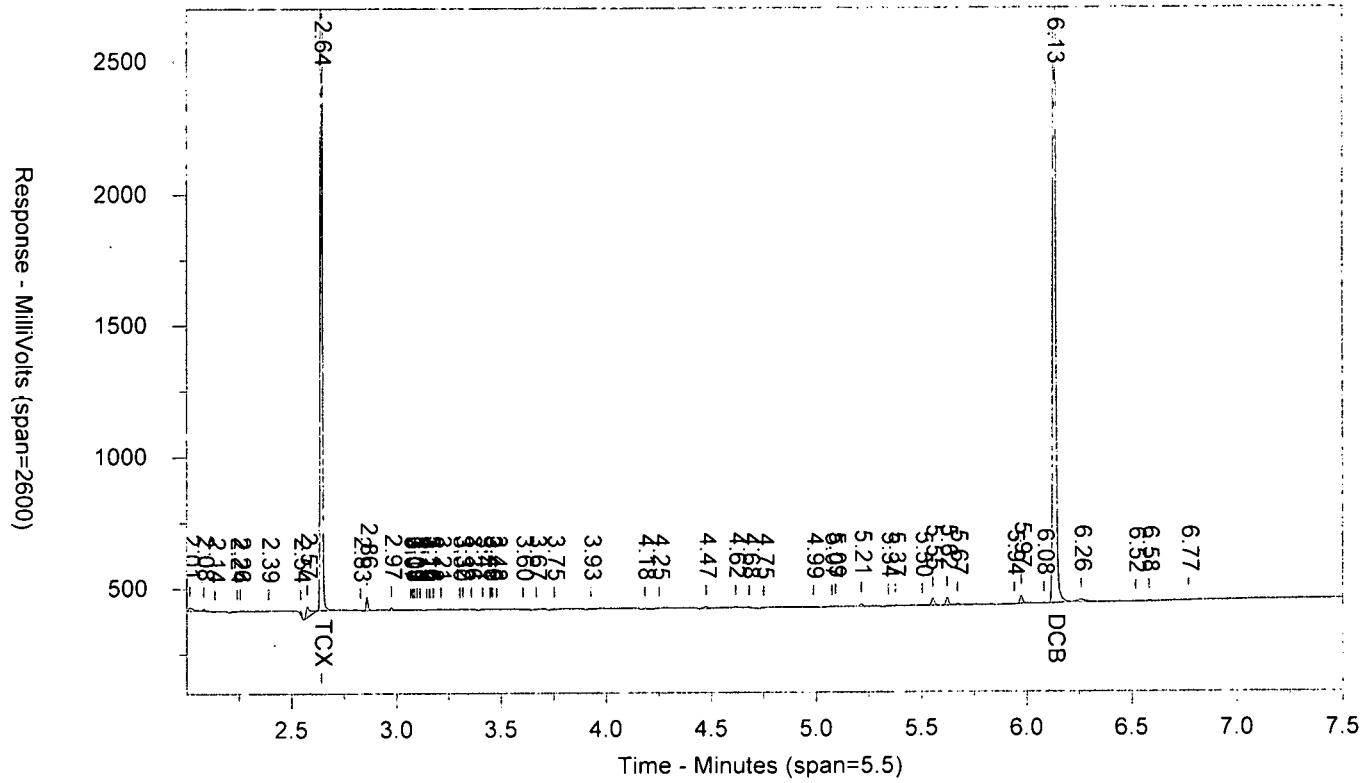

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 1:02:58 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2233863	.197	TCX	2.642	3647119	.204	TCX
6.637	2000941	.188	DCB	6.131	3107134	.206	DCB

Files:
Area File: 25pcbs17257006.021.RAW
Area File: 25pcbs17257006B.021.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 1:11:30 AM
File Reported On: 9/20/2017 at 1:11:41 AM

IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082

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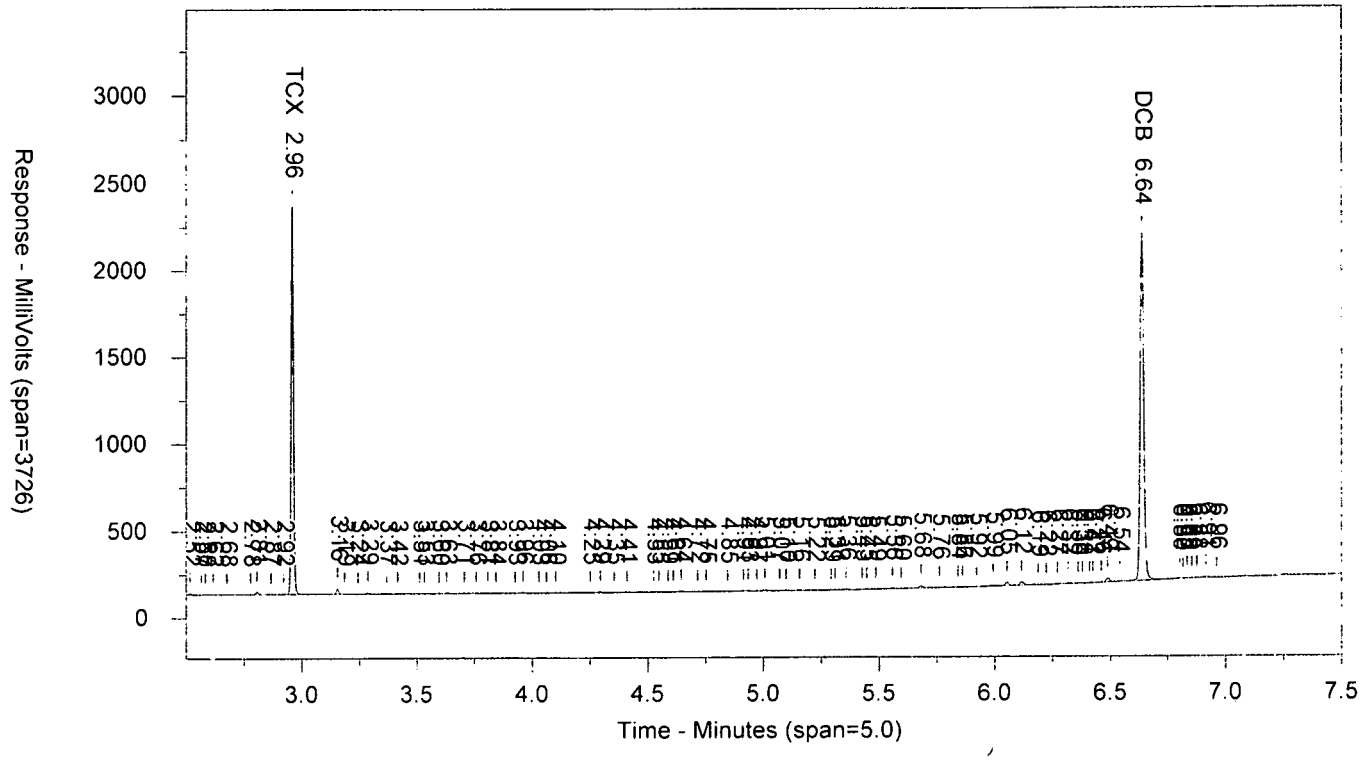

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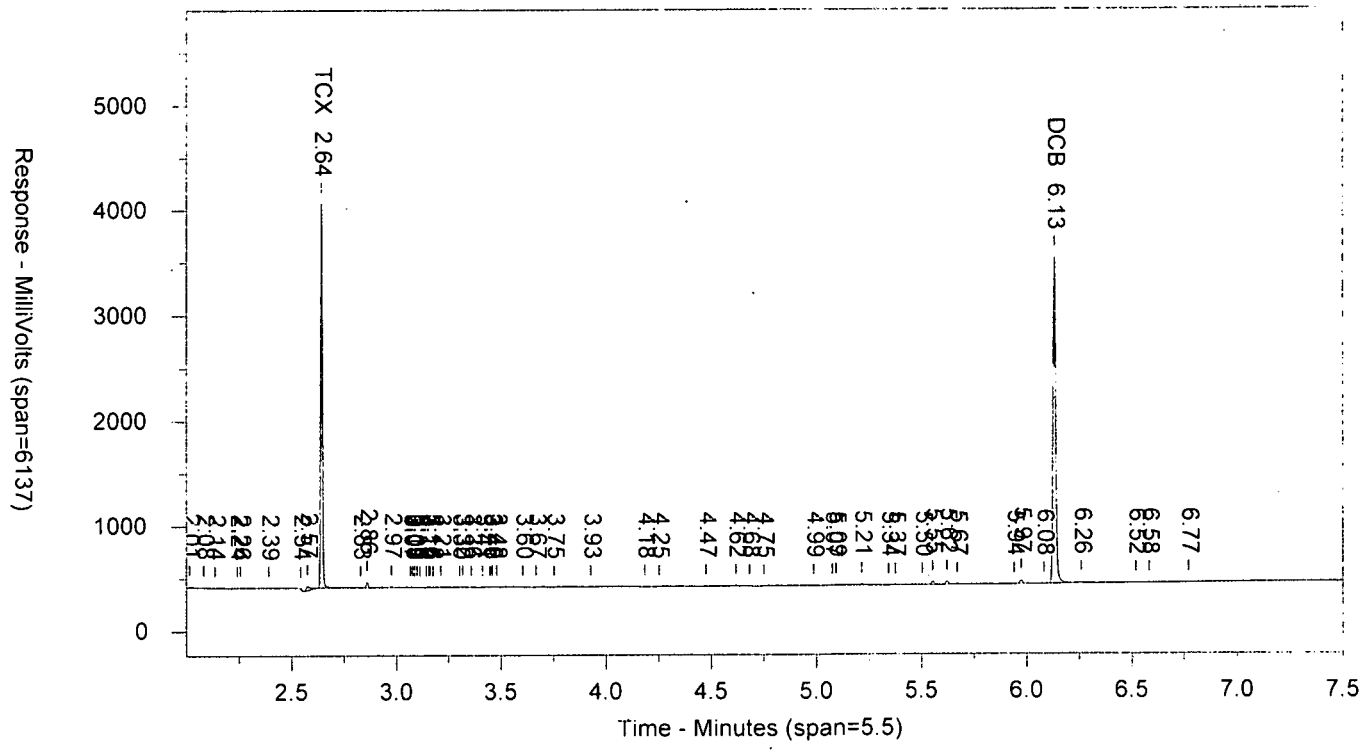

IBLKX1724B CDPIBLKCD PIBLK1726199999 10736 SW-846 8082

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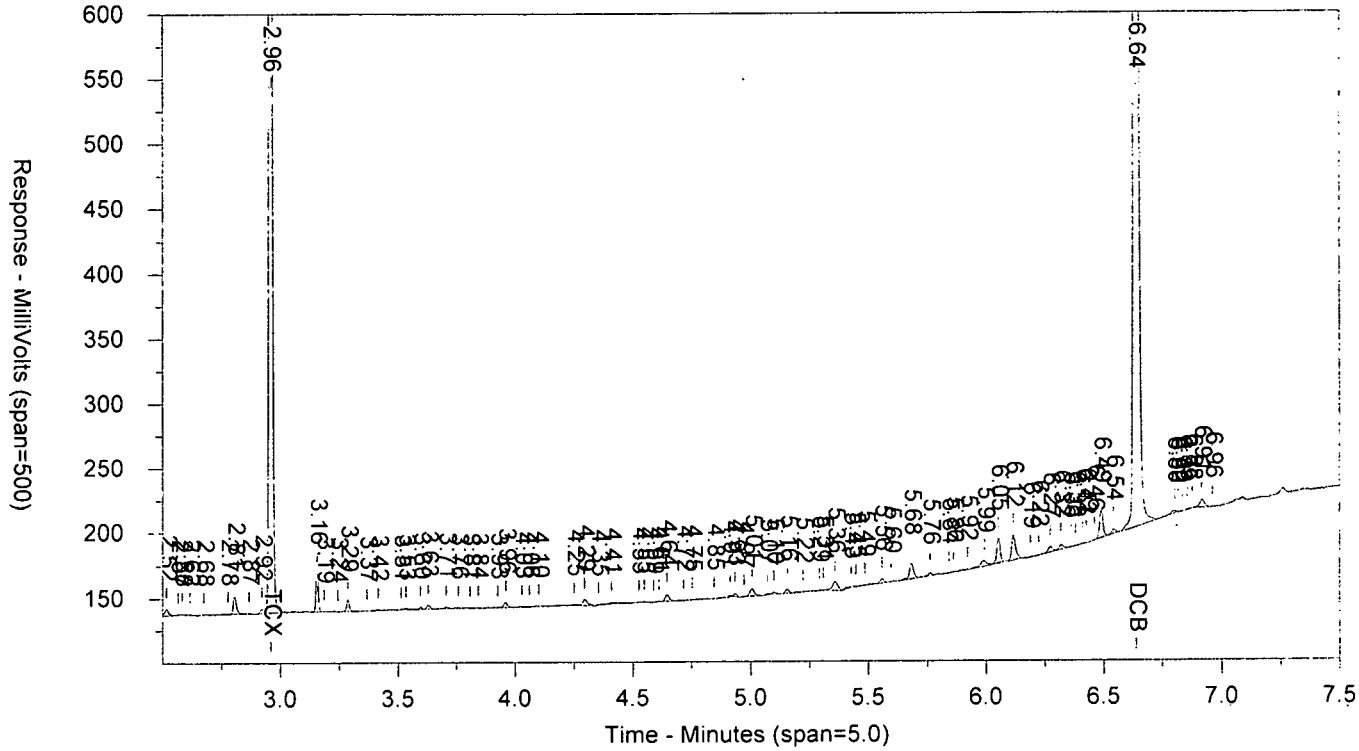

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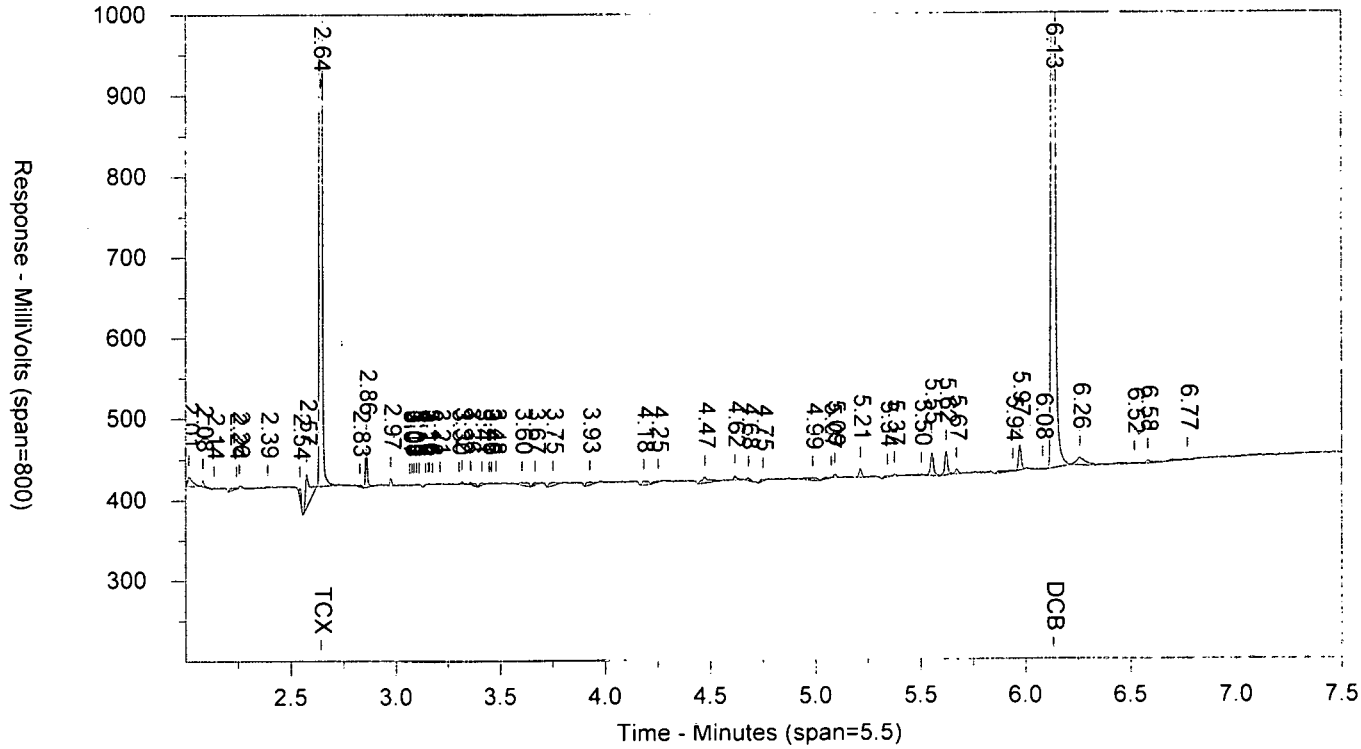

LANCASTER LABORATORIES

Sample Number: AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:07:26 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006(1).032.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.061		6236	7304
2.102		6390	15502
2.259		22598	16423
2.358		11854	12873
2.394		1682	2659
2.516		4626	5765
2.596		4587	3939
2.684		685	703
2.711		503	389
2.762		398	322
2.806		3570	3560
2.871		1129	904
2.885		801	330
2.922		2699	2203
2.959	TCX	4679435	3207764
3.055		1025	682
3.105		59729	50764
3.159		108716	95993
3.208		378729	274655
3.286		7695	3910
3.302		42772	26864
3.343		1183	1142
3.395		384	282
3.424		382089	227454
3.44		177520	92528
3.478		46206	26565
3.493		3492	1308
3.505		24845	13722
3.539		465552	365329
3.575		2254	1095
3.594		3179	1892
3.614		14058	8754
3.648		111091	63007
3.663		51296	26207
3.706		221119	123255
3.717		501130	267828
3.754		561601	447186
3.813		513092	396268
3.854		37402	26835
3.882		331707	248873
3.909		227972	186158
3.931		65768	34232
4.006		362779	271392
4.03		126371	83476
4.062		147335	106095
4.095		409480	396749
4.135		128908	104205
4.182		18917	15882
4.221		23502	18091
4.256		345662	256747
4.274		57440	32045
4.298		110193	85592
4.369		58926	50909
4.412		300070	306014

RT A	Compound A	Height A	Area A
4.445		8833	6327
4.51		3525	2773
4.55		29478	27514
4.601		43911	32431
4.617		100866	71175
4.662		257514	246190
4.712		387445	443061
4.749		88044	60334
4.788		879563	873020
4.834		2515	1964
4.875		158337	169992
4.907		7532	4694
4.935		179690	171778
4.987		1131984	1450929
5.039		217647	205870
5.078		528433	619342
5.158		109052	130478
5.192		1420607	1503831
5.233		10057	4085
5.259		694150	644700
5.301		423638	423908
5.358		971	835
5.395		182428	142825
5.42		706262	663208
5.477		381105	369515
5.515		221100	226171
5.558		42589	42370
5.598		270538	306266
5.655		2023559	2172041
5.746		2278	2955
5.787		379	154
5.807		866	723
5.859		1250063	1186118
5.891		61235	41981
5.915		266904	293380
5.989		2194	2911
6.051		54280	55754
6.129		241753	348484
6.217		332	416
6.243		520	493
6.285		540182	563559
6.33		38025	36870
6.396		418	144
6.418		1046	945
6.487		180454	189497
6.542		2140	2745
6.635	DCB	4143409	4475562
6.795		2532	4821
6.846		438	205
6.913		6581	9118
6.976		483	471

LANCASTER LABORATORIES

Sample Number: AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:07:26 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.032.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		11812	18092
2.082		15964	11720
2.141		1746	2128
2.214		2506	2014
2.259		2673	4501
2.326		7858	5533
2.397		2829	23293
2.577		8065	10709
2.599		1437	849
2.641	TCX	7330090	4309028
2.684		54694	38010
2.811		116037	76503
2.859		66667	31689
2.872		102141	50591
2.924		590243	365416
2.974		18856	10823
3.035		79139	50895
3.066		902	239
3.075		509	176
3.091		1086	504
3.109		373	95
3.131		462488	237027
3.142		179915	66607
3.182		93112	56567
3.203		39455	22025
3.229		65802	36897
3.253		705709	464327
3.289		25088	14040
3.316		4358	1921
3.335		180713	99335
3.351		106937	51825
3.401		423610	200181
3.41		779754	326232
3.43		29969	9515
3.444		706592	489029
3.518		771658	490098
3.553		521144	324456
3.576		587653	470110
3.68		635586	433085
3.703		247803	136604
3.724		236590	139926
3.753		142574	74488
3.77		508443	327320
3.812		198051	144684
3.859		23839	20409
3.882		145426	86587
3.903		648340	451042
3.929		143622	101069
3.967		85679	53213
4.002		575549	415405
4.052		64528	87720
4.113		5076	3426
4.148		41010	34005
4.181		1741	1304

RT B	Compound B	Height B	Area B
4.205		160783	120199
4.248		153939	91252
4.278		555771	553408
4.304		240406	241966
4.357		1334928	1049653
4.404		19988	13277
4.427		124339	86967
4.451		295900	224607
4.493		1641005	1330404
4.596		1306823	1292427
4.65		170245	142277
4.688		380498	332794
4.725		1615488	1360356
4.756		795163	562100
4.795		573510	466052
4.894		215548	224135
4.945		1060506	856682
4.97		136345	88285
5.02		541244	528311
5.055		276010	225847
5.084		204929	174748
5.118		47380	31122
5.138		2646321	2208150
5.18		58357	42837
5.212		107296	94333
5.329		28833	18773
5.353		535682	470378
5.398		1918075	1975420
5.551		75051	69223
5.597		48641	34880
5.619		53911	41695
5.668		327536	306331
5.774		736329	646151
5.805		43177	32736
5.87		1672	1912
5.971		242474	236447
6.131	DCB	6282393	5556120
6.256		6373	18416
6.531		1518	2774
6.58		6709	7350
6.863		2149	7769

AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082

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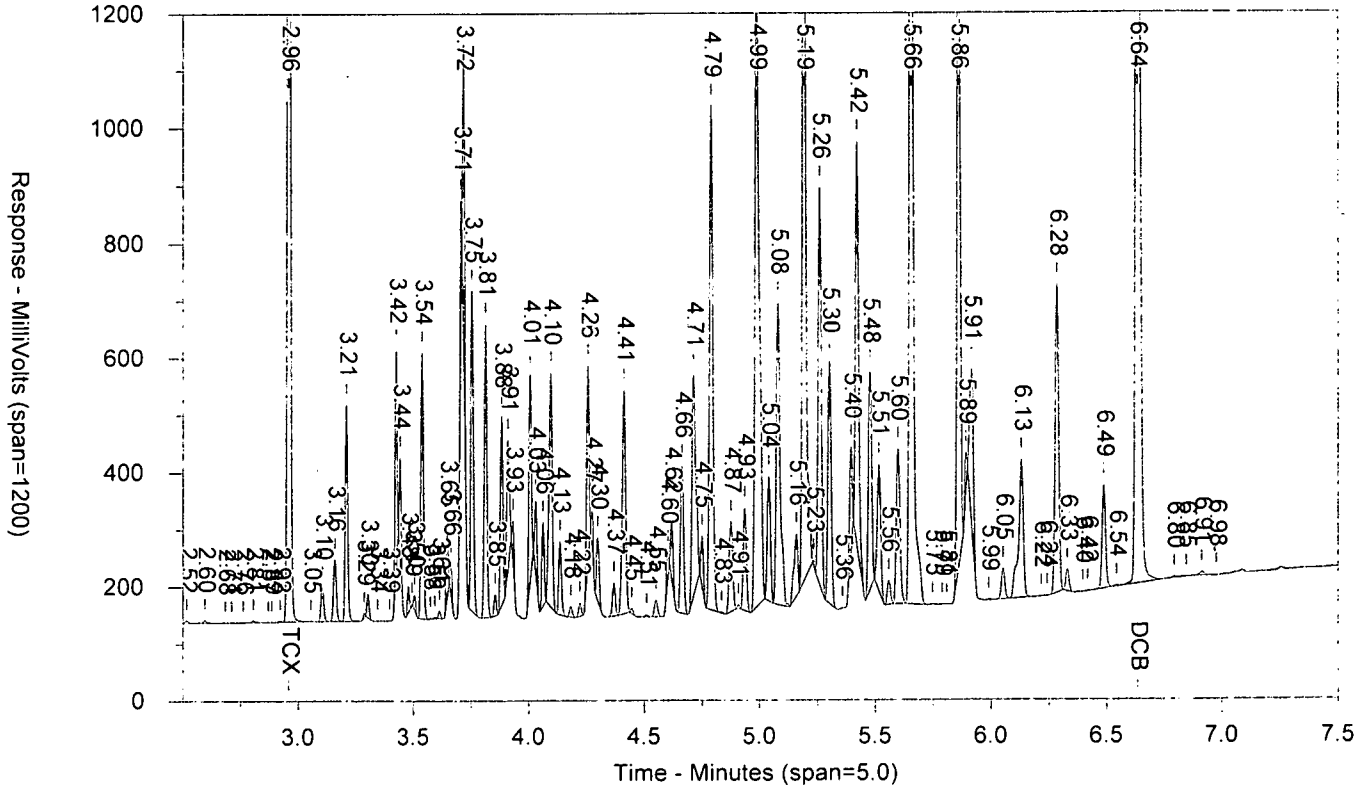

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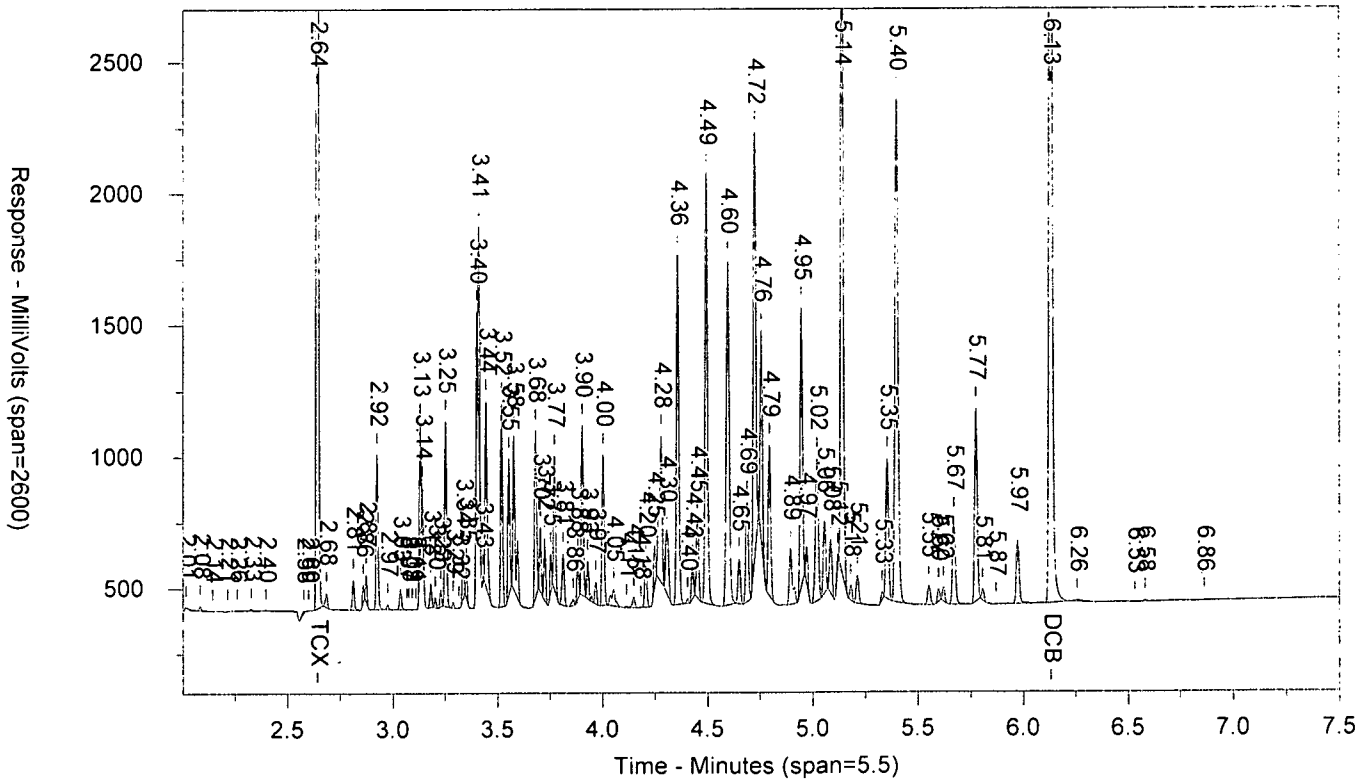

LANCASTER LABORATORIES

Sample Number: AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:07:26 AM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	4679435	41.167	TCX	2.641	7330090	41.008	TCX
6.635	4143409	38.91	DCB	6.131	6282393	41.606	DCB

Files:
Area File: 25pcbs17257006(1).032.RAW
Area File: 25pcbs17257006B.032.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 7:18:24 AM
File Reported On: 9/20/2017 at 7:18:38 AM

AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082

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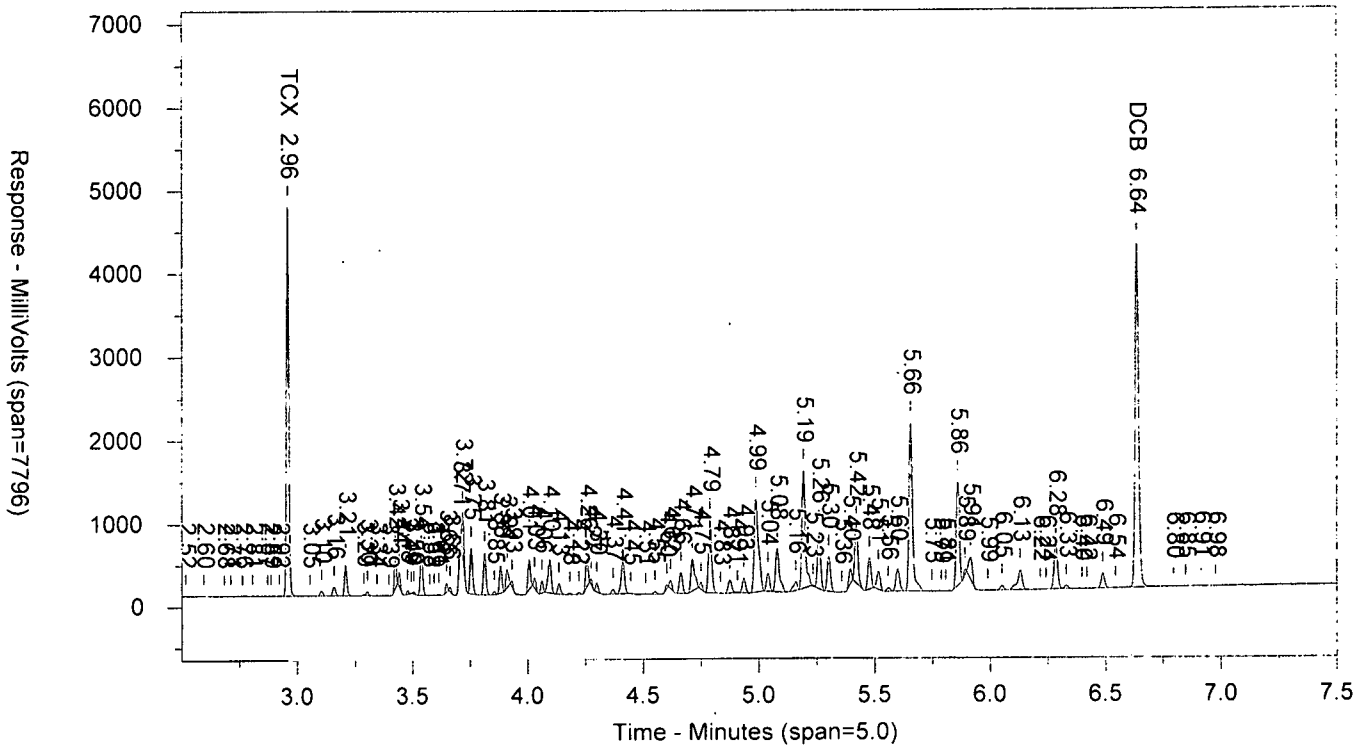

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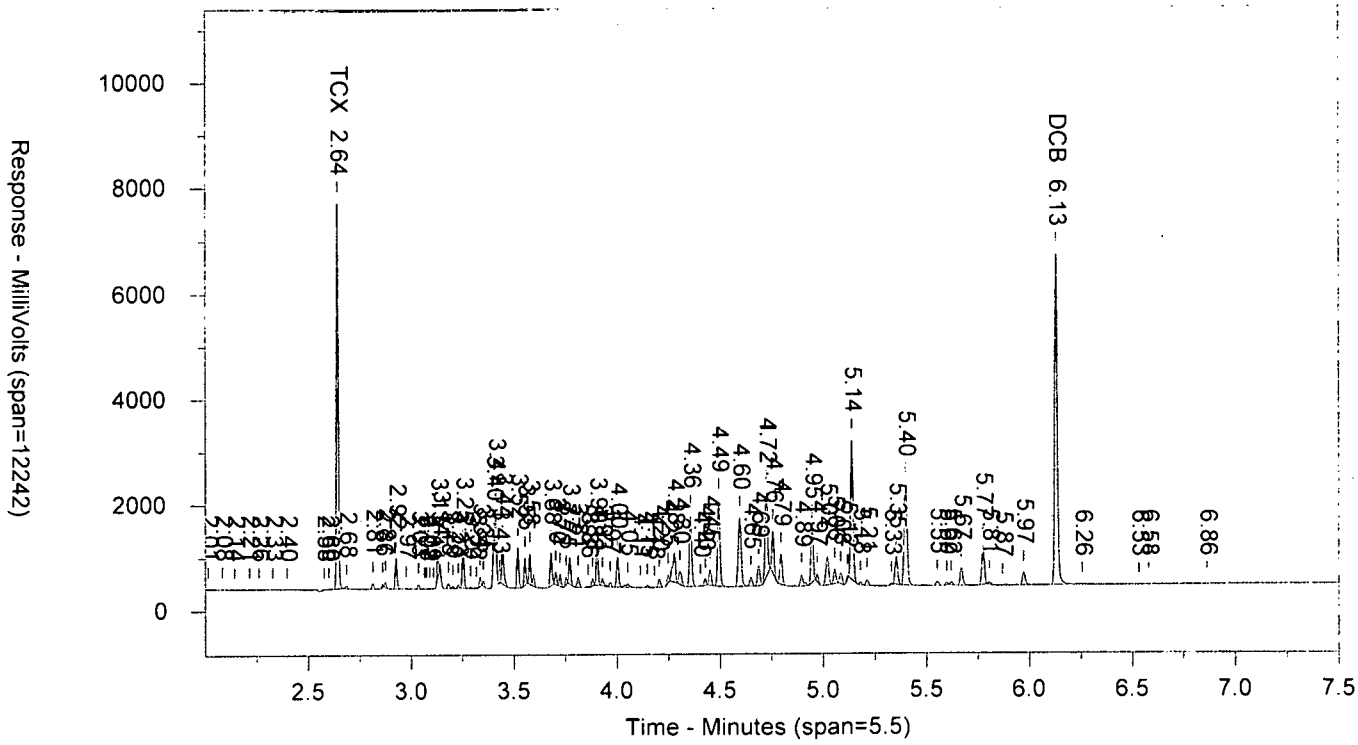

AR1641724B BIAR164BI CCAL 1726199999 10736 SW-846 8082

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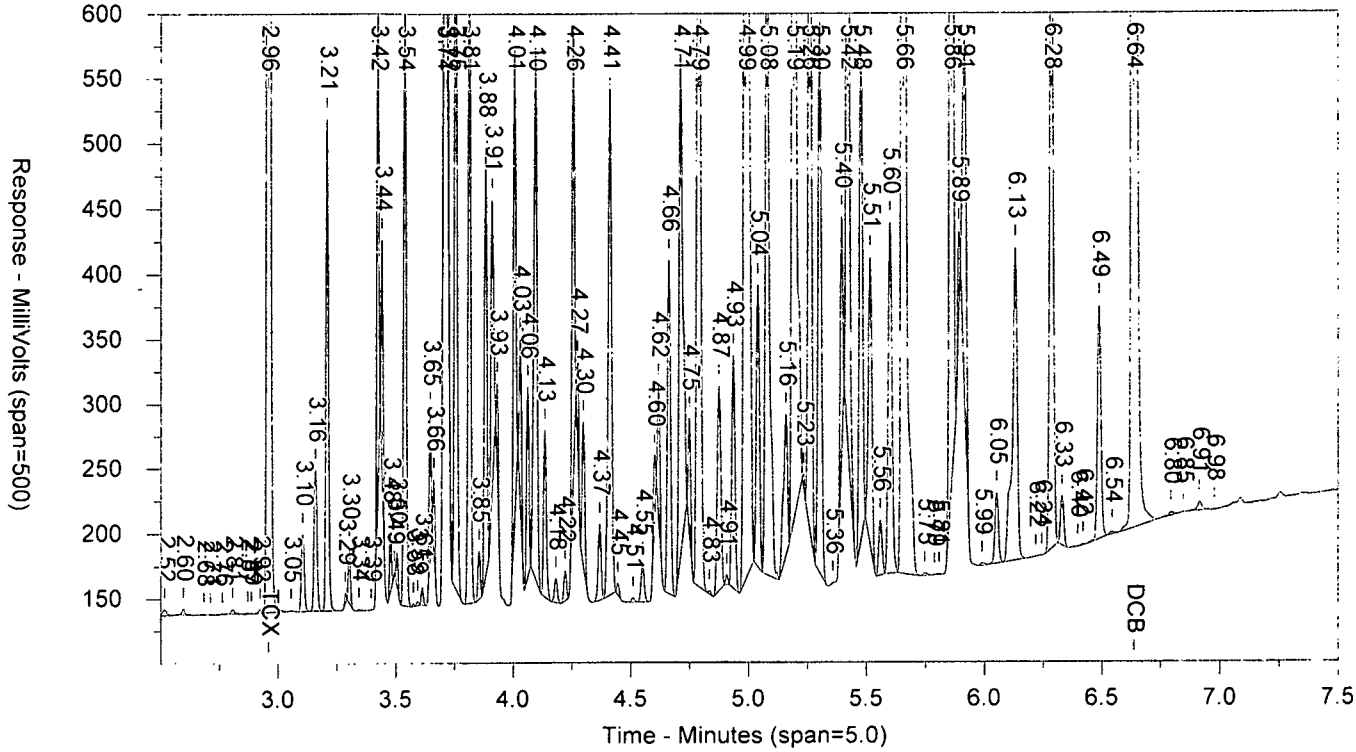

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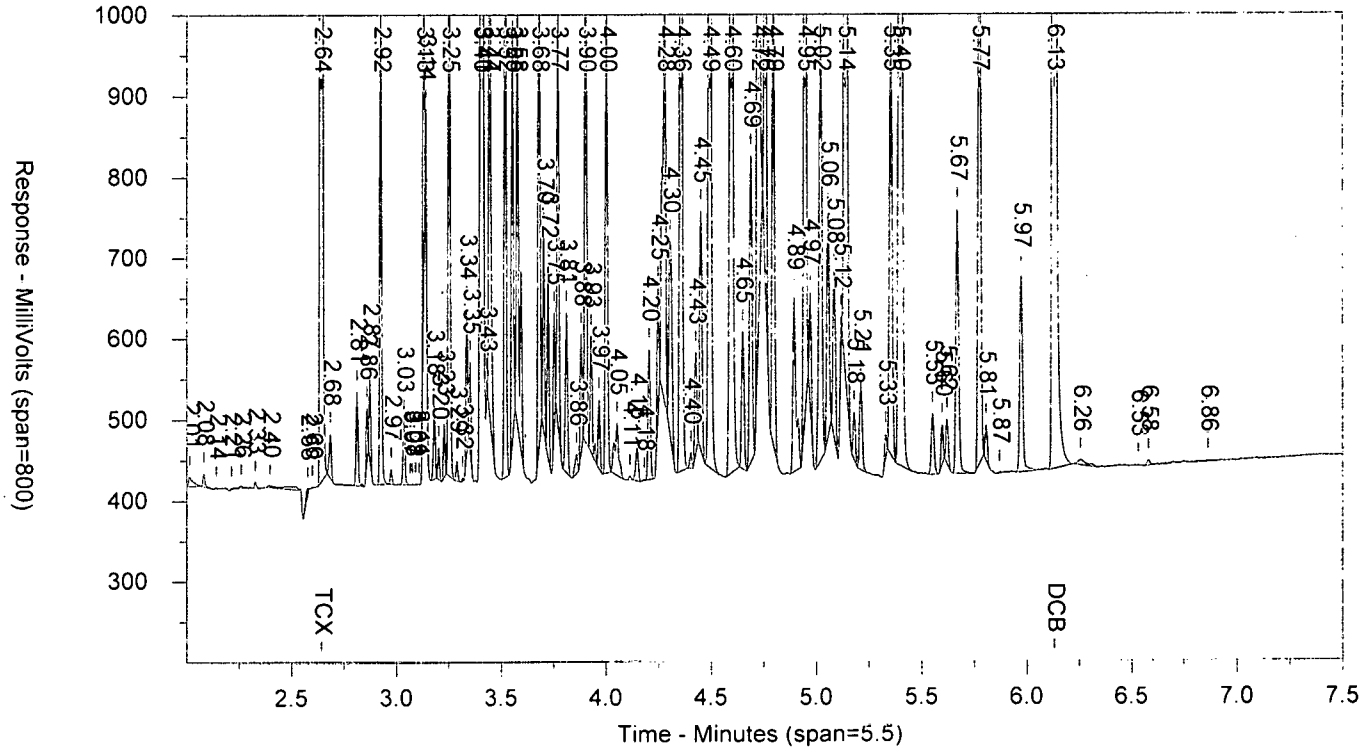

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CEPIBLKCE PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:18:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25pcbs17257006.033.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		8251	9091
2.106		7519	18045
2.259		11433	9589
2.317		523	255
2.357		14741	12580
2.393		1376	1336
2.466		663	968
2.517		6314	7365
2.583		689	1191
2.616		1243	1026
2.706		524	332
2.769		652	659
2.805		12686	12101
2.921		4214	3653
2.959	TCX	2244216	1552993
3.055		1540	1712
3.138		405	187
3.155		29510	19585
3.221		931	1019
3.286		9542	8618
3.369		707	793
3.415		841	1001
3.449		919	781
3.533		1964	2791
3.596		3240	2384
3.628		3758	3567
3.666		795	592
3.704		1849	1477
3.786		318	173
3.806		1132	977
3.843		795	593
3.885		1397	1416
3.929		444	287
3.956		5043	4973
4.02		1096	1607
4.093		804	826
4.167		868	1174
4.215		323	156
4.25		1614	2112
4.294		5687	9838
4.369		662	1612
4.399		999	1526
4.466		746	963
4.517		948	974
4.545		1030	772
4.616		337	561
4.644		4922	6165
4.695		587	651
4.734		330	216
4.784		2030	2333
4.845		448	274
4.913		864	551
4.934		2405	1951
4.97		359	266

RT A	Compound A	Height A	Area A
5.003		5672	7138
5.033		786	679
5.068		2288	1852
5.093		1209	1177
5.152		3110	3077
5.195		512	448
5.297		361	107
5.356		8081	12688
5.438		440	5850
5.481		798	760
5.518		582	574
5.557		2778	3130
5.603		1373	1428
5.681		10877	14551
5.724		451	275
5.76		13984	14237
5.821		494	387
5.863		800	841
5.905		477	889
5.985		4510	8379
6.051		16054	16161
6.114		17098	20590
6.173		468	399
6.19		773	788
6.27		4615	9540
6.33		3590	6345
6.371		1086	894
6.397		553	246
6.415		837	435
6.461		640	521
6.487		18780	15795
6.511		3642	2596
6.54		2220	2272
6.634	DCB	2120271	2237516
6.756		527	324
6.797		2616	3935
6.836		417	266
6.872		427	587
6.885		1021	419
6.913		5811	7923
6.968		509	377

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CEPIBLKCE PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:18:44 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25pcbs17257006B.033.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.016		13385	22956
2.082		7993	7778
2.14		1456	1533
2.216		2048	1709
2.237		1174	1080
2.256		3086	3229
2.291		1866	2810
2.347		1328	759
2.389		3101	4521
2.545		6548	7919
2.574		26523	27688
2.641	TCX	3647361	2094653
2.859		52292	33854
2.933		1580	2429
2.975		9749	6974
3.071		485	95
3.078		982	270
3.086		935	231
3.094		901	160
3.106		983	184
3.114		1980	1424
3.139		1049	686
3.149		705	283
3.155		811	334
3.181		913	646
3.209		1717	1306
3.256		1661	1737
3.318		3963	1981
3.356		4133	6619
3.41		4221	5577
3.442		869	882
3.483		1999	3951
3.556		2556	2263
3.662		4440	6207
3.742		4980	8616
3.849		3154	11678
3.922		4611	9974
4.181		6399	11770
4.242		2174	4553
4.268		1795	4070
4.468		5620	7390
4.614		4485	5984
4.674		8758	11675
4.715		4134	4495
4.85		657	19895
4.872		3129	3631
5.067		1464	4428
5.089		3311	4083
5.212		8849	8694
5.372		22130	33975
5.414		5348	10015
5.501		2938	3357
5.552		24718	25350
5.619		23449	24417

RT B	Compound B	Height B	Area B
5.669		5104	5589
5.888		1605	3129
5.971		28062	25584
6.083		1321	2105
6.13	DCB	3007835	2759399
6.254		6736	17675
6.577		3553	5398

IBLKX1724B CEPIBLKCE PIBLK1726199999 10736 SW-846 8082

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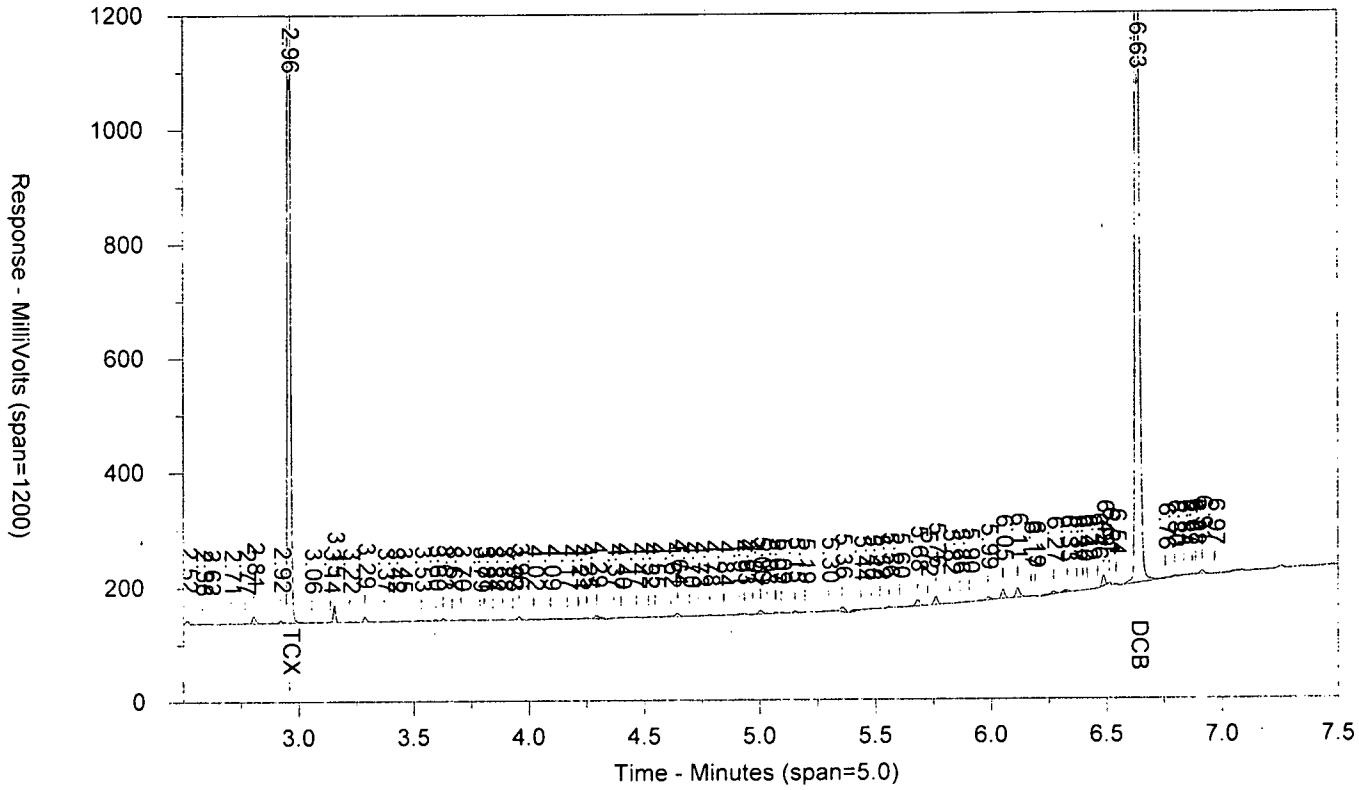

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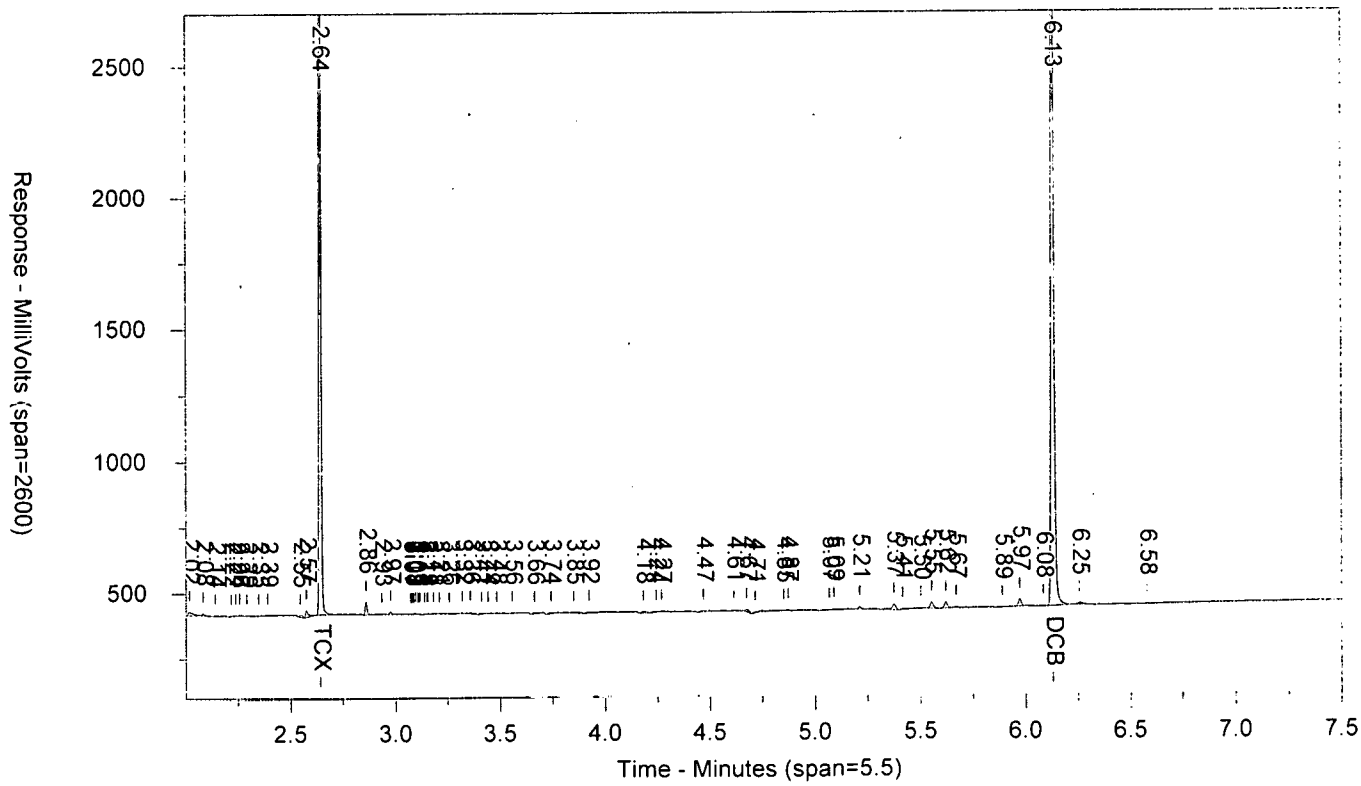

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CEPIBLKCE PIBLK1726199999 10736 SW-846 8082
Injected On: 9/20/2017 3:18:44 AM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2244216	.197	TCX	2.641	3647361	.204	TCX
6.634	2120271	.199	DCB	6.13	3007835	.199	DCB

Files:
Area File: 25pcbs17257006.033.RAW
Area File: 25pcbs17257006B.033.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/20/2017 7:18:24 AM
File Reported On: 9/20/2017 at 7:18:51 AM

IBLKX1724B CEPIBLKCE PIBLK1726199999 10736 SW-846 8082

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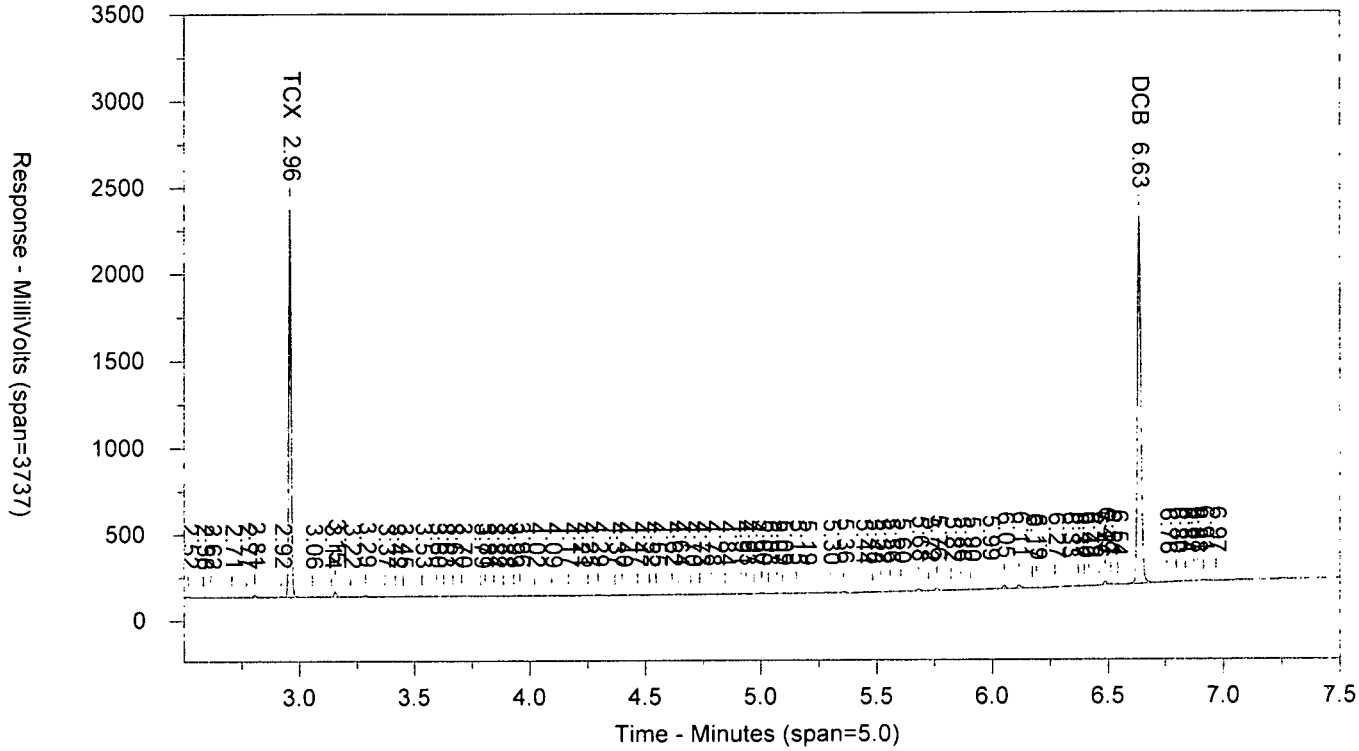

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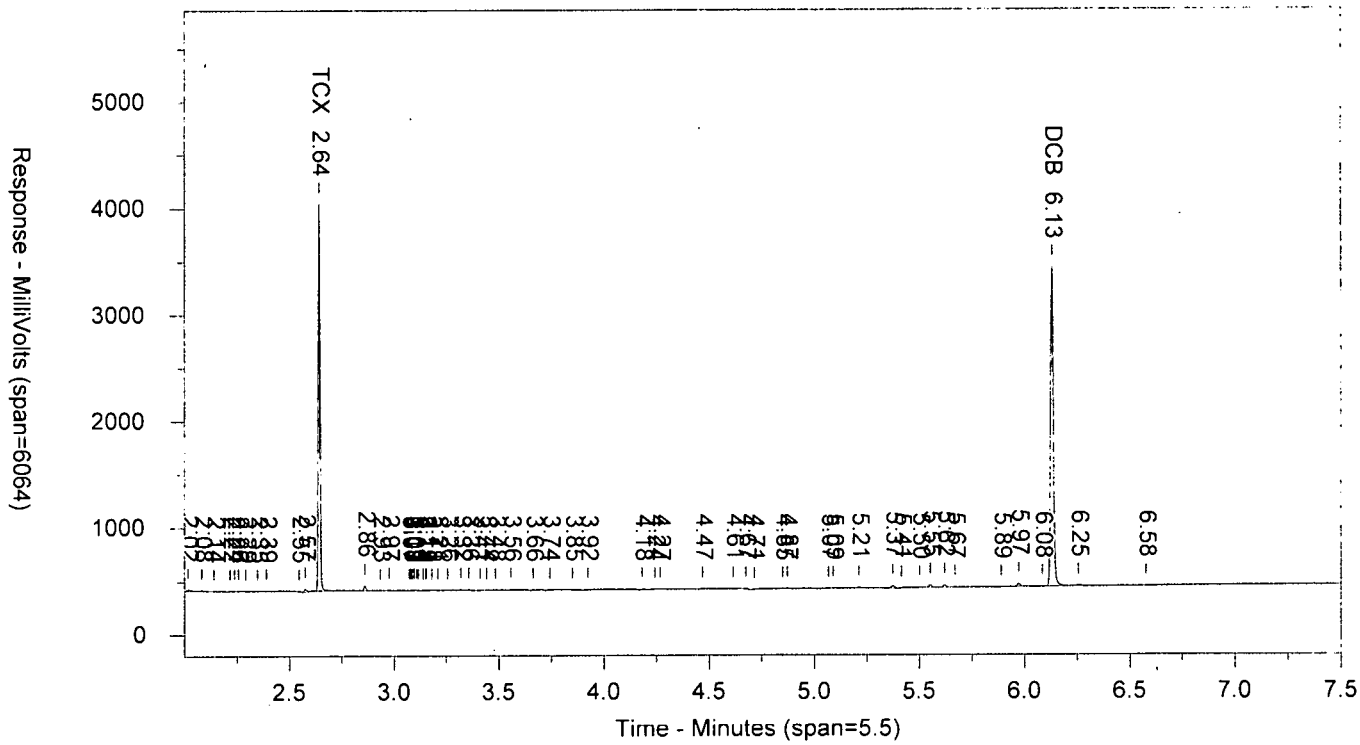

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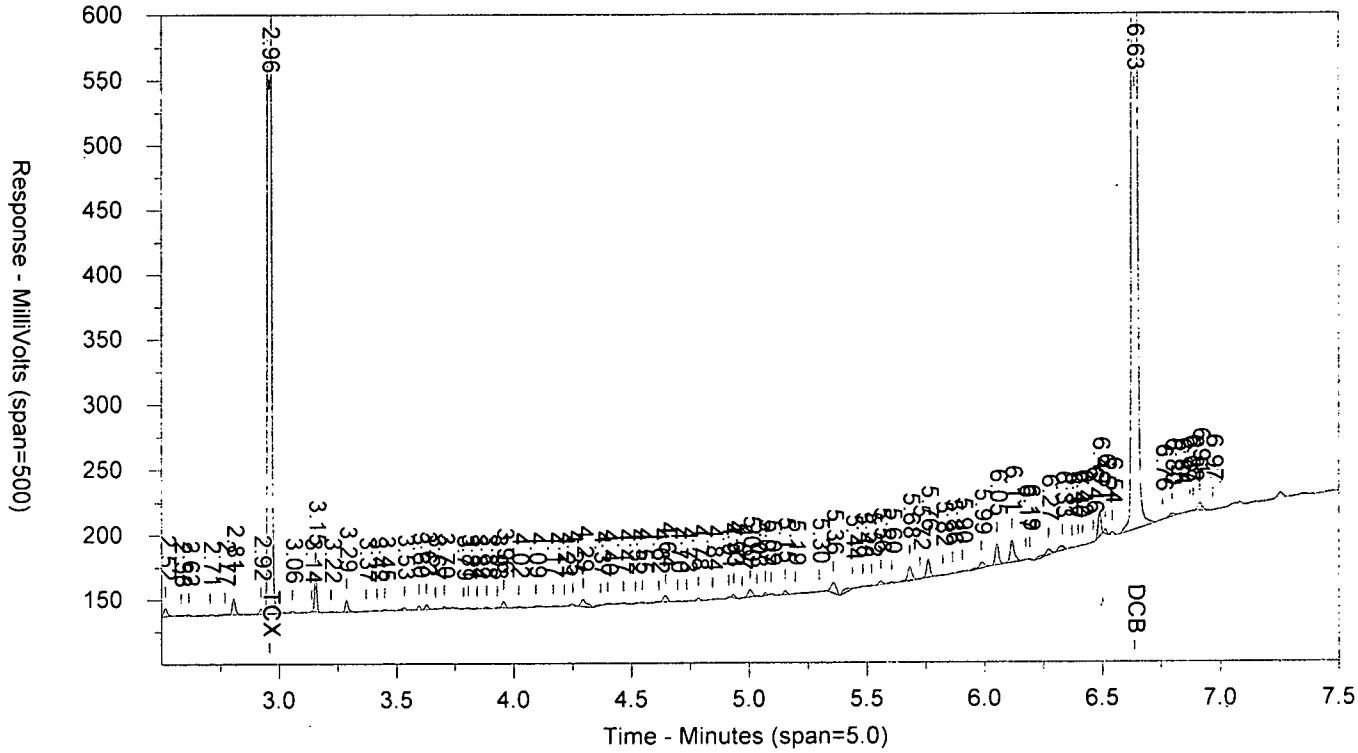

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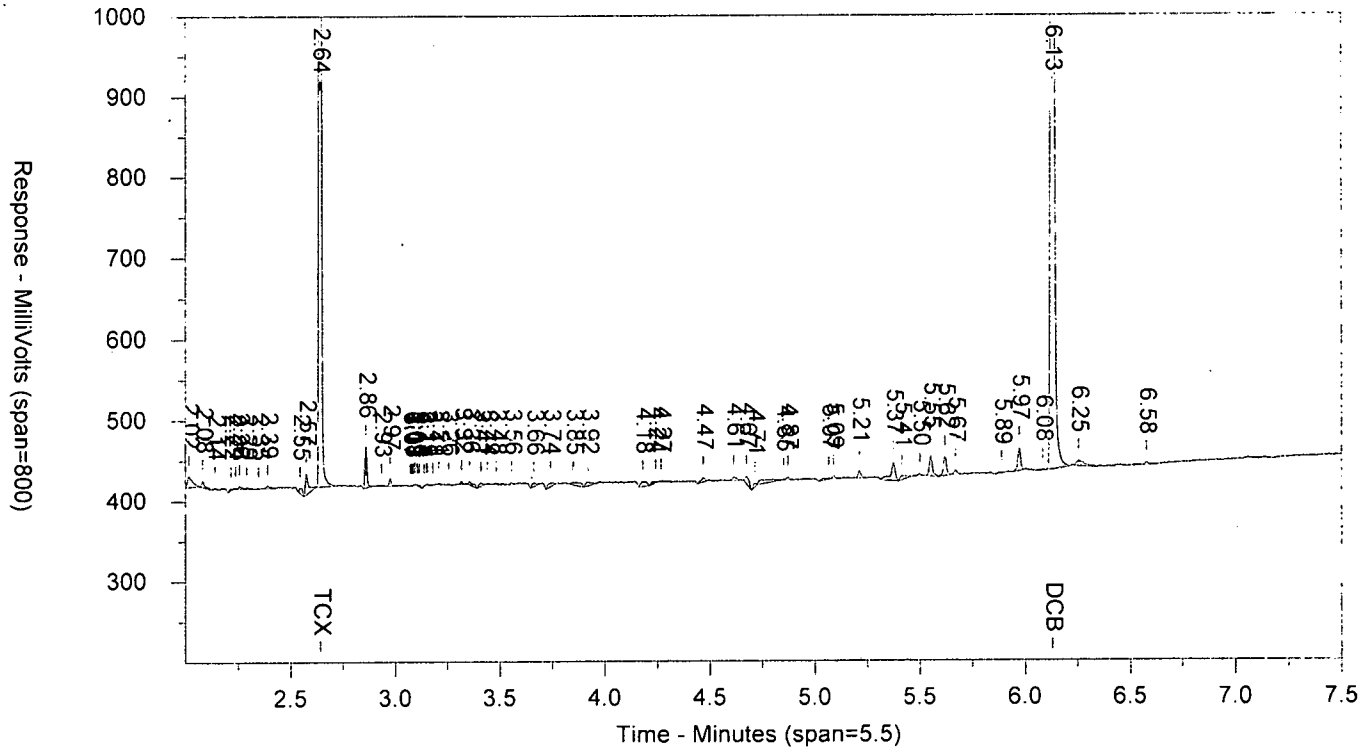

LANCASTER LABORATORIES

Sample Number: AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:18:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257007.005.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.062		7910	9451
2.108		9201	21718
2.185		890	767
2.259		23608	17402
2.319		326	290
2.366		10114	11670
2.393		1924	3564
2.516		5969	7021
2.595		5206	6148
2.711		903	2310
2.765		745	504
2.806		8618	7766
2.868		616	245
2.885		872	462
2.922		3195	2639
2.959	TCX	4960780	3346750
3.058		1508	1547
3.106		60223	52693
3.161		108324	97666
3.21		381170	282136
3.288		7017	3786
3.304		40633	26766
3.345		1171	1317
3.399		392	344
3.427		365268	228804
3.444		168467	91489
3.481		47620	26996
3.497		4255	1421
3.508		24529	13712
3.542		462573	368927
3.58		2082	1031
3.599		5073	3131
3.619		13130	8635
3.653		104009	60925
3.668		52384	26781
3.712		182826	114728
3.723		521954	261268
3.76		575918	448093
3.818		510906	394012
3.859		36342	26416
3.887		318425	247069
3.915		221132	184263
3.937		64858	34838
4.011		350892	268974
4.036		126324	82907
4.067		147446	104730
4.1		397435	392356
4.141		123688	102718
4.188		17615	15155
4.228		23673	17915
4.261		342286	254019
4.279		64840	34821
4.303		107777	84099
4.375		58286	49300

RT A	Compound A	Height A	Area A
4.417		387170	387996
4.452		9200	6342
4.515		3059	2570
4.555		28954	26615
4.606		43477	29647
4.623		95045	69681
4.667		259148	238885
4.717		380335	431608
4.754		81725	57212
4.794		857546	850967
4.838		3216	2448
4.88		154337	164082
4.913		6496	4064
4.94		173059	165787
4.993		1091168	1409990
5.044		214435	200157
5.083		521621	599881
5.163		108703	127984
5.196		1413589	1469563
5.238		12903	4867
5.263		667140	627002
5.306		409003	410490
5.363		1308	1512
5.4		169924	138379
5.425		707809	646610
5.481		370298	360297
5.52		210714	220539
5.562		39844	39601
5.602		266104	296229
5.66		1950969	2112505
5.752		1823	2549
5.806		899	971
5.864		1197034	1165331
5.895		62278	39536
5.919		269400	301231
5.996		1993	2275
6.056		48273	48571
6.136		237328	335216
6.209		732	605
6.291		546332	544624
6.337		35800	34893
6.428		765	740
6.497		165004	183015
6.607		3158	4021
6.646	DCB	4131198	4384091
6.769		671	203
6.848		321	2615
6.878		1280	1493
6.93		6135	8362
6.991		663	482

LANCASTER LABORATORIES

Sample Number: AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:18:23 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257007B.005.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.017		14656	26612
2.081		15020	10472
2.139		1737	1675
2.214		3475	4467
2.257		3216	5546
2.327		8413	6172
2.389		3295	5064
2.441		1873	2074
2.574		24017	23948
2.641	TCX	7746833	4449115
2.685		57072	39992
2.812		116864	79380
2.859		70214	32625
2.872		105393	52786
2.924		609532	373001
2.975		18832	11018
3.036		81758	51796
3.075		467	79
3.087		472	141
3.1		620	183
3.111		801	166
3.131		490248	241554
3.142		154402	60596
3.183		92940	56252
3.204		40782	22715
3.23		67556	37433
3.254		695040	467627
3.29		25755	13772
3.319		7289	3391
3.337		182381	98386
3.352		105903	52580
3.403		354522	177319
3.413		772990	351963
3.433		30037	10199
3.447		690123	485768
3.522		742435	486524
3.556		511152	323595
3.58		574819	462440
3.684		635117	428727
3.708		242281	133706
3.729		223156	137371
3.758		139592	72548
3.775		513620	324723
3.816		192148	142437
3.863		24867	20636
3.885		140090	86343
3.907		648306	444402
3.933		145772	100058
3.972		81234	52154
4.007		557491	405445
4.042		21158	12586
4.057		41775	27580
4.117		4681	2992
4.152		39026	33337

RT B	Compound B	Height B	Area B
4.185		1604	1110
4.209		155528	116997
4.252		153687	91901
4.283		518269	534618
4.309		235054	234614
4.361		1273967	1010454
4.409		17972	12694
4.432		128355	87016
4.455		292810	218635
4.498		1568620	1276293
4.601		1296712	1240962
4.654		164297	136875
4.692		369617	319350
4.729		1560471	1321312
4.76		754508	550323
4.799		569741	449888
4.898		199933	216027
4.95		1026294	824359
4.974		135075	86309
5.024		528490	509170
5.059		274373	218968
5.088		199277	170157
5.122		51818	34197
5.142		2510066	2124739
5.184		54223	40893
5.215		103974	88797
5.333		27272	18010
5.356		517031	451436
5.401		1818532	1904575
5.555		65878	58902
5.6		44707	34672
5.623		45468	33430
5.672		318219	293198
5.777		684662	627357
5.808		43074	32957
5.937		2286	2910
5.976		235657	233192
6.091		1647	2351
6.135	DCB	5931546	5428553
6.265		37052	113235
6.442		2001	4245
6.588		6339	6899
6.704		2571	4479
6.755		2013	3817
6.855		1332	3098
6.914		9275	10057

AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082

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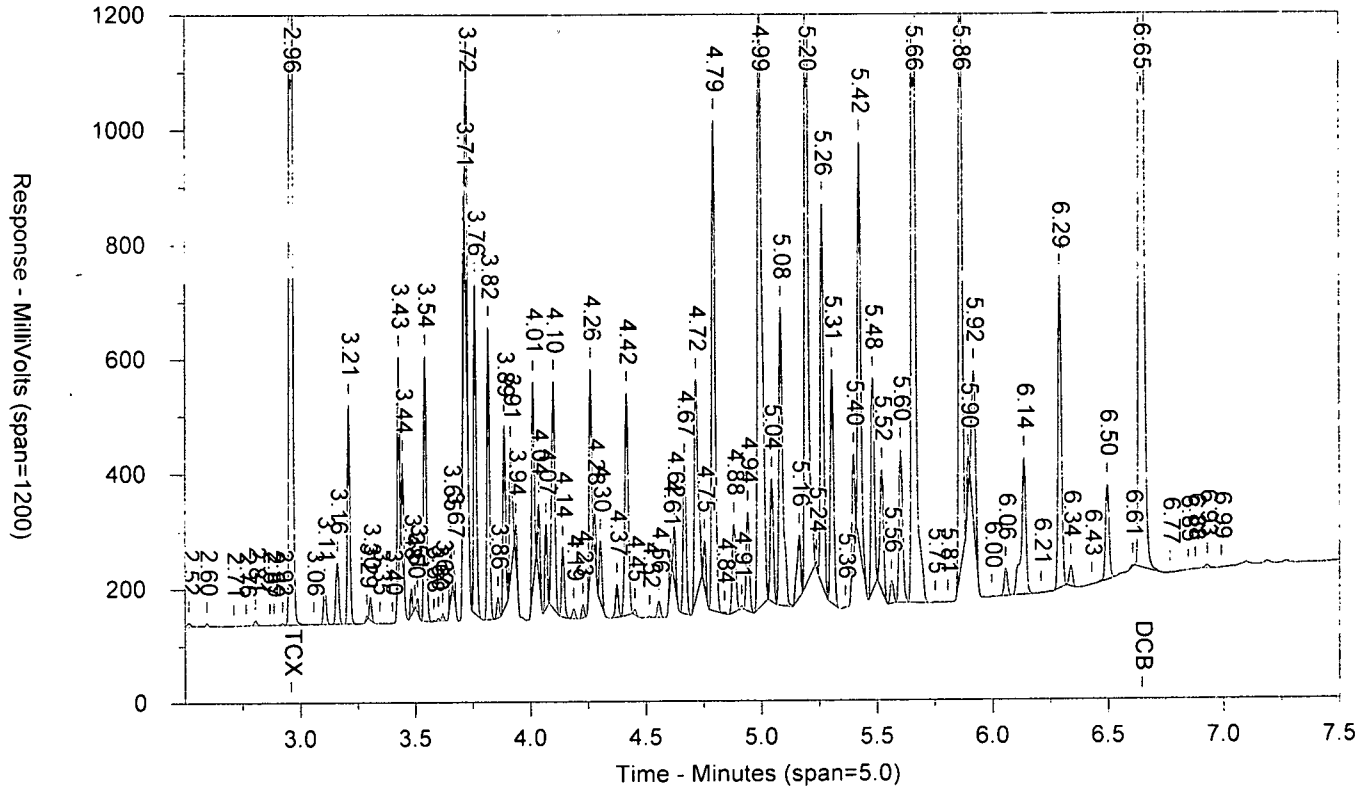

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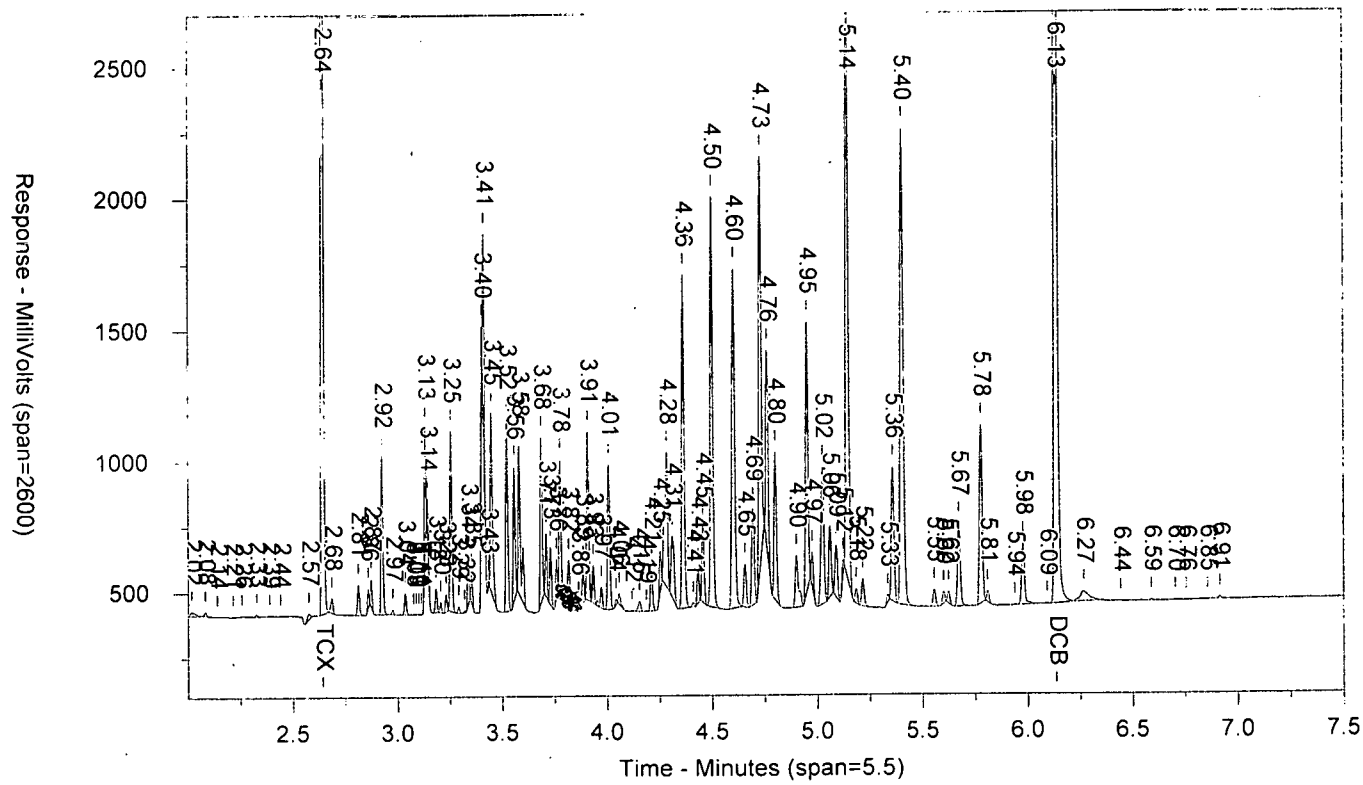

LANCASTER LABORATORIES

Sample Number: AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:18:23 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	4960780	43.643	TCX	2.641	7746833	43.34	TCX
6.646	4131198	38.795	DCB	6.135	5931546	39.283	DCB

Files:
Area File: 25PCBS17257007.005.RAW
Area File: 25PCBS17257007B.005.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/21/2017 9:26:54 PM
File Reported On: 9/21/2017 at 9:27:03 PM

AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082

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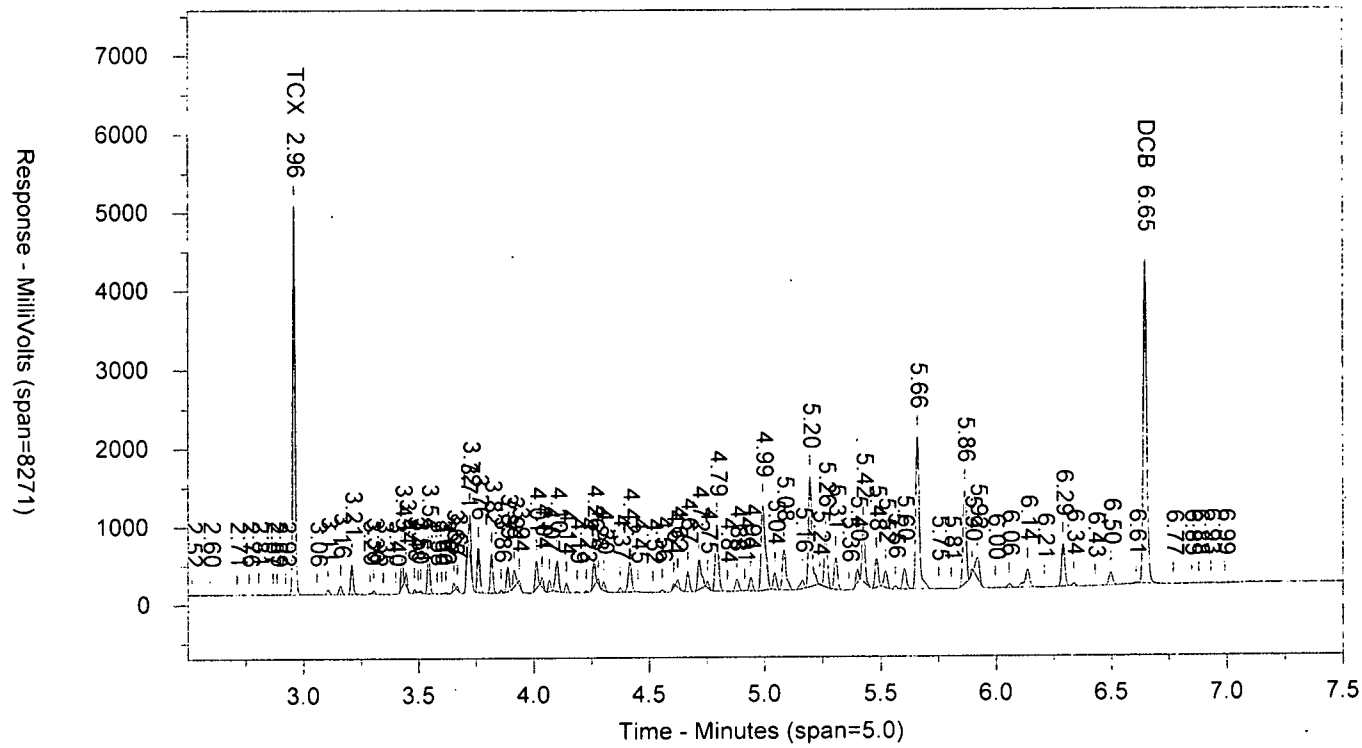

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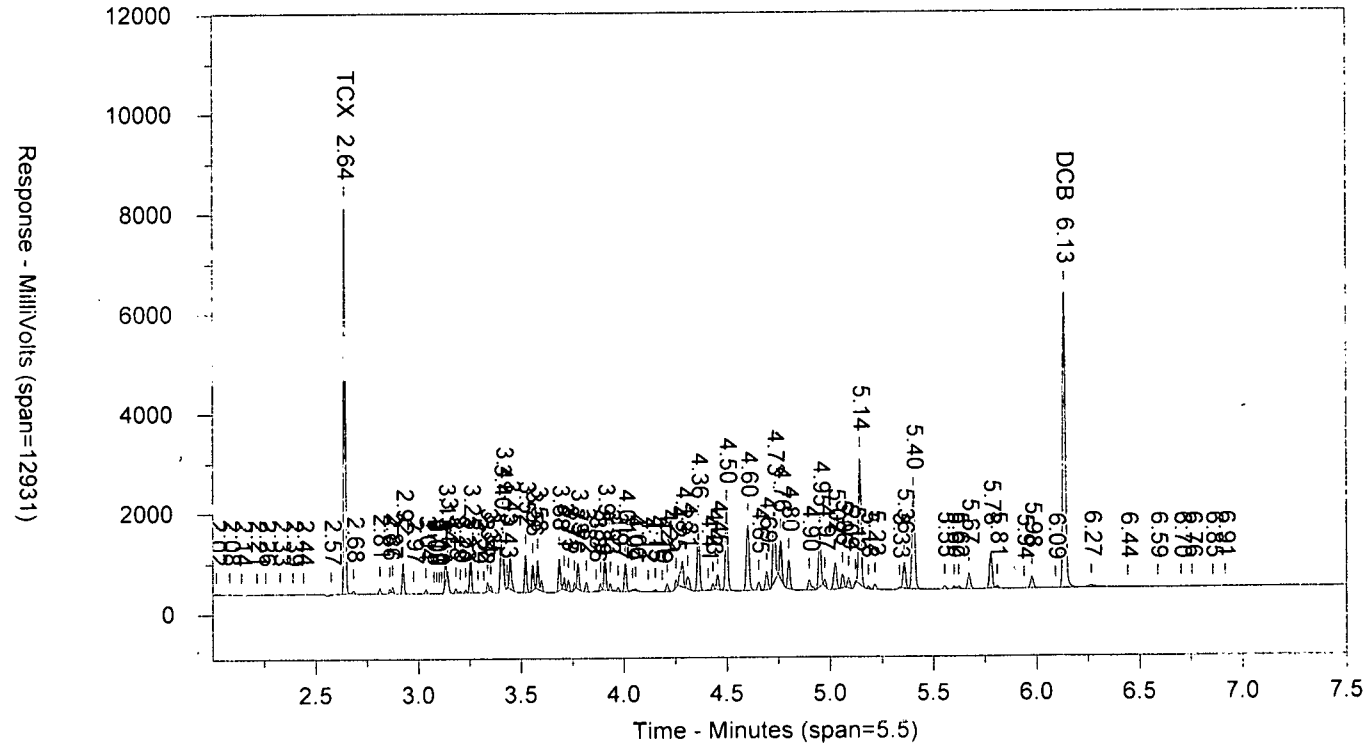

AR1641724B BXAR164BX CCAL 1726399999 10736 SW-846 8082

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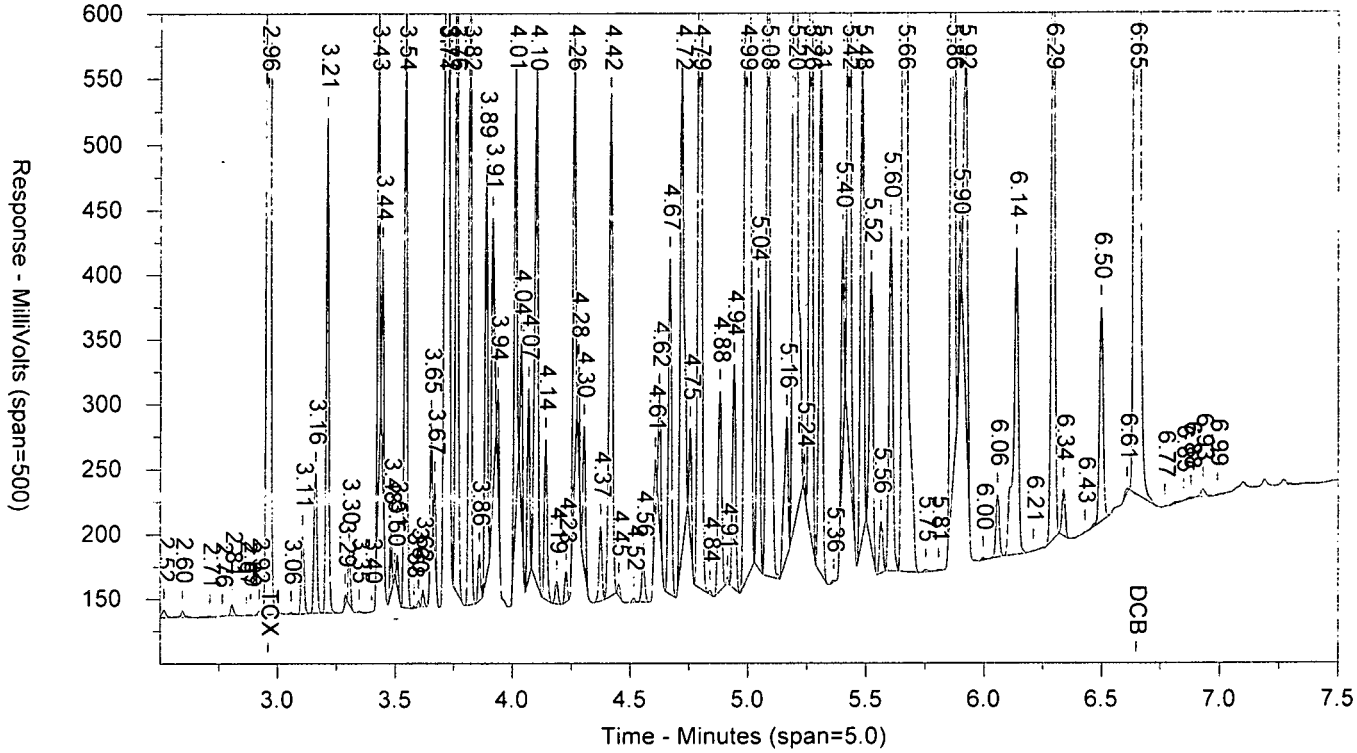

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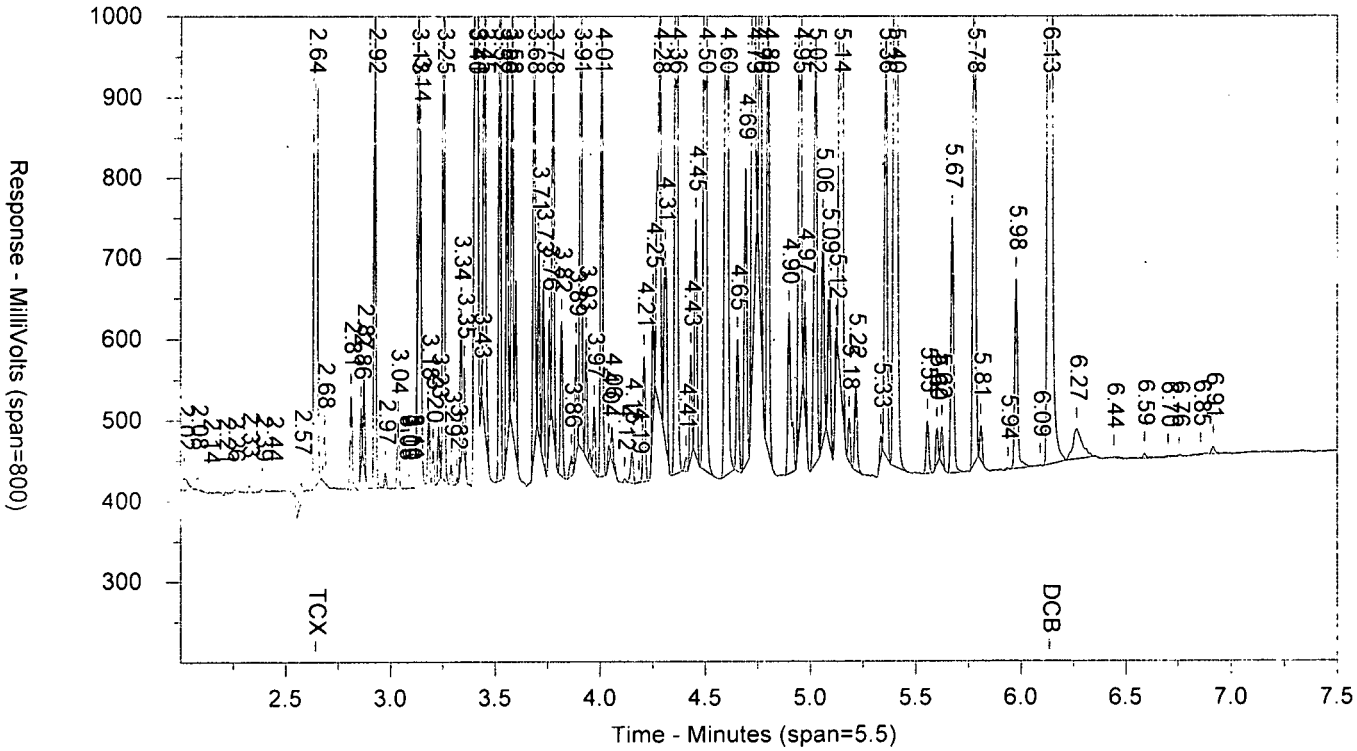

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:29:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257007.006.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.061		10326	11225
2.109		8643	21845
2.259		12887	10016
2.357		19169	15509
2.396		2225	4213
2.465		413	377
2.517		7850	8962
2.572		1149	2100
2.614		901	709
2.682		753	537
2.707		883	809
2.747		680	484
2.781		330	120
2.805		10687	10651
2.886		1056	764
2.922		4580	3815
2.959	TCX	2644552	1814539
3.057		1901	1910
3.124		542	607
3.137		608	303
3.156		33655	22024
3.217		1099	956
3.288		11847	9958
3.375		977	1240
3.413		709	515
3.452		1146	904
3.532		1754	2703
3.6		4547	3336
3.632		4560	4346
3.671		1064	830
3.693		412	148
3.708		2179	1528
3.738		538	281
3.789		604	438
3.807		1422	1221
3.847		838	634
3.884		1433	1786
3.96		6488	6823
4.031		1488	1471
4.072		236	161
4.098		1170	1204
4.171		1248	1819
4.247		1588	1659
4.298		5909	8434
4.399		1621	3150
4.47		1167	1289
4.549		1407	2345
4.648		6047	8893
4.699		708	965
4.756		404	238
4.806		289	133
4.841		516	167
4.882		554	516
4.924		355	674

RT A	Compound A	Height A	Area A
4.939		1882	1520
5.008		6375	9181
5.076		1039	967
5.099		595	622
5.155		2589	2800
5.221		501	303
5.232		577	531
5.28		372	158
5.301		539	571
5.36		6286	8904
5.42		490	898
5.447		256	226
5.466		392	231
5.488		540	730
5.518		467	383
5.56		2233	2262
5.612		620	240
5.685		9783	12282
5.767		529	379
5.793		412	327
5.839		232	378
5.864		634	437
5.925		529	1853
5.992		4076	6120
6.054		14117	14219
6.118		14039	16429
6.2		1262	1369
6.277		4343	8151
6.321		4829	5943
6.419		797	431
6.428		726	239
6.494		19535	21445
6.549		3005	3065
6.643	DCB	1984671	2203529
6.732		552	257
6.81		2528	3661
6.871		1954	2769
6.924		7032	10642
6.982		882	609

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:29:38 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257007B.006.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.022		14371	26744
2.081		8405	7229
2.236		1896	5370
2.26		3241	3446
2.392		3487	4847
2.452		1742	1604
2.518		7885	26429
2.573		32085	35899
2.641	TCX	4240749	2462304
2.859		59082	38187
2.974		11351	7442
3.017		1622	2584
3.069		622	124
3.092		350	68
3.098		1042	482
3.149		1098	1743
3.153		1039	463
3.174		1164	302
3.185		799	461
3.21		2323	2028
3.256		1096	1414
3.319		6621	6438
3.358		6054	7806
3.413		2481	3430
3.481		2611	2304
3.514		2530	2766
3.599		3860	12080
3.671		3373	6104
3.858		4276	12643
3.931		3752	7661
3.978		2444	7711
4.187		3675	4925
4.243		1392	2074
4.27		2274	2571
4.47		5425	9959
4.617		4987	5734
4.754		1810	3531
4.875		3225	15885
5.064		1877	4777
5.095		3756	3940
5.214		7932	8811
5.382		3339	11396
5.45		1788	5670
5.502		1732	1972
5.555		20579	22240
5.622		20097	21044
5.672		4141	4360
5.789		1792	5023
5.902		1923	4517
5.946		1341	2194
5.975		30092	41118
6.084		2362	2258
6.133	DCB	2846169	2684134
6.26		35742	111500

RT B	Compound B	Height B	Area B
6.44		2542	5501
6.589		3611	6311
6.909		9491	16380

IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082

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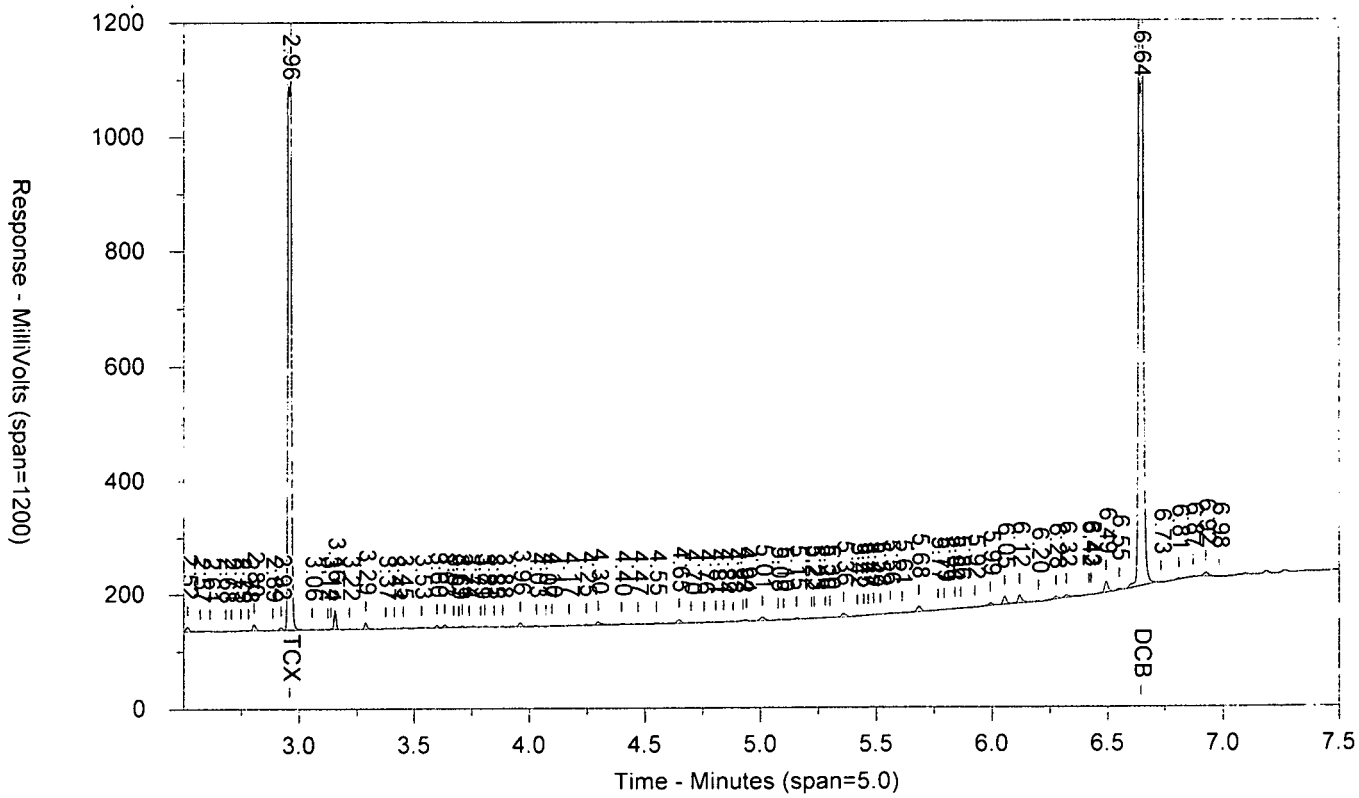

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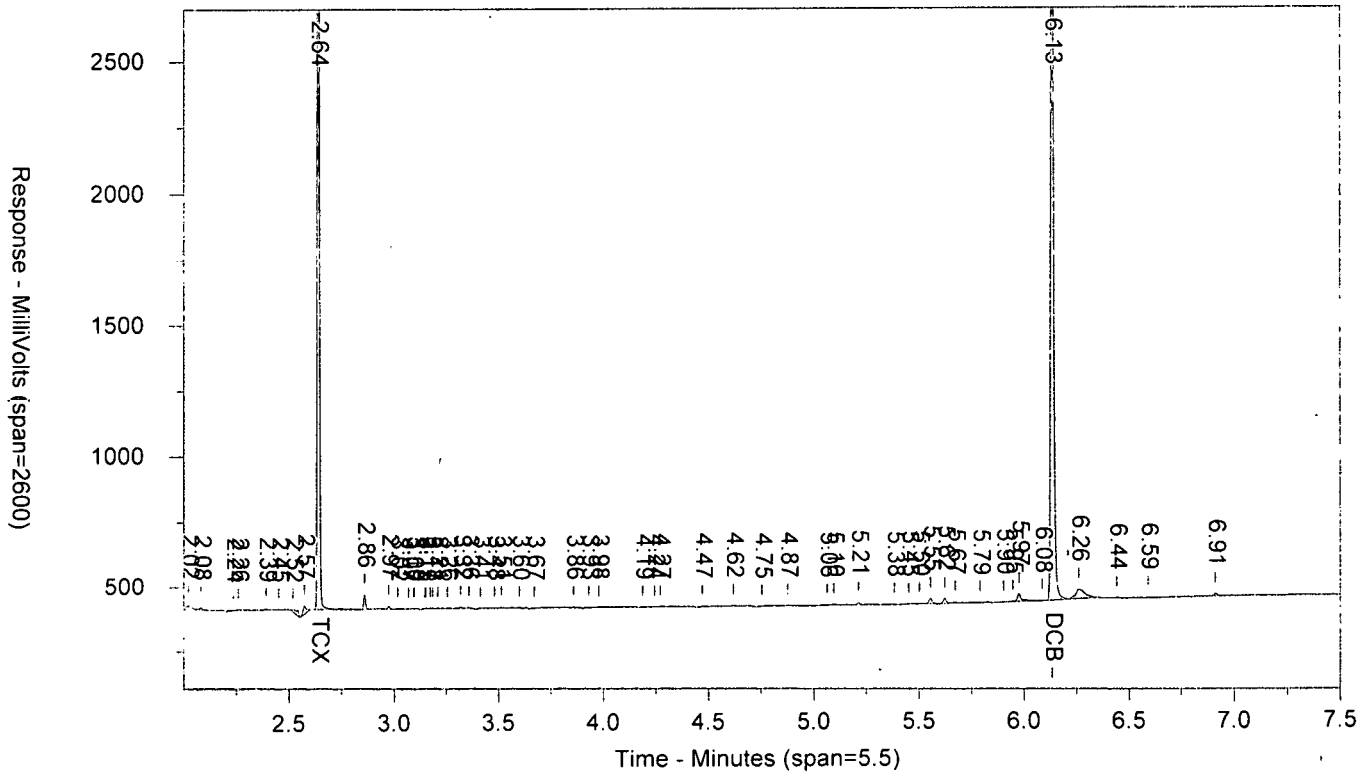

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 9:29:38 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2644552	.233	TCX	2.641	4240749	.237	TCX
6.643	1984671	.186	DCB	6.133	2846169	.188	DCB

Files:
Area File: 25PCBS17257007.006.RAW
Area File: 25PCBS17257007B.006.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/21/2017 9:38:11 PM
File Reported On: 9/21/2017 at 9:38:25 PM

IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082

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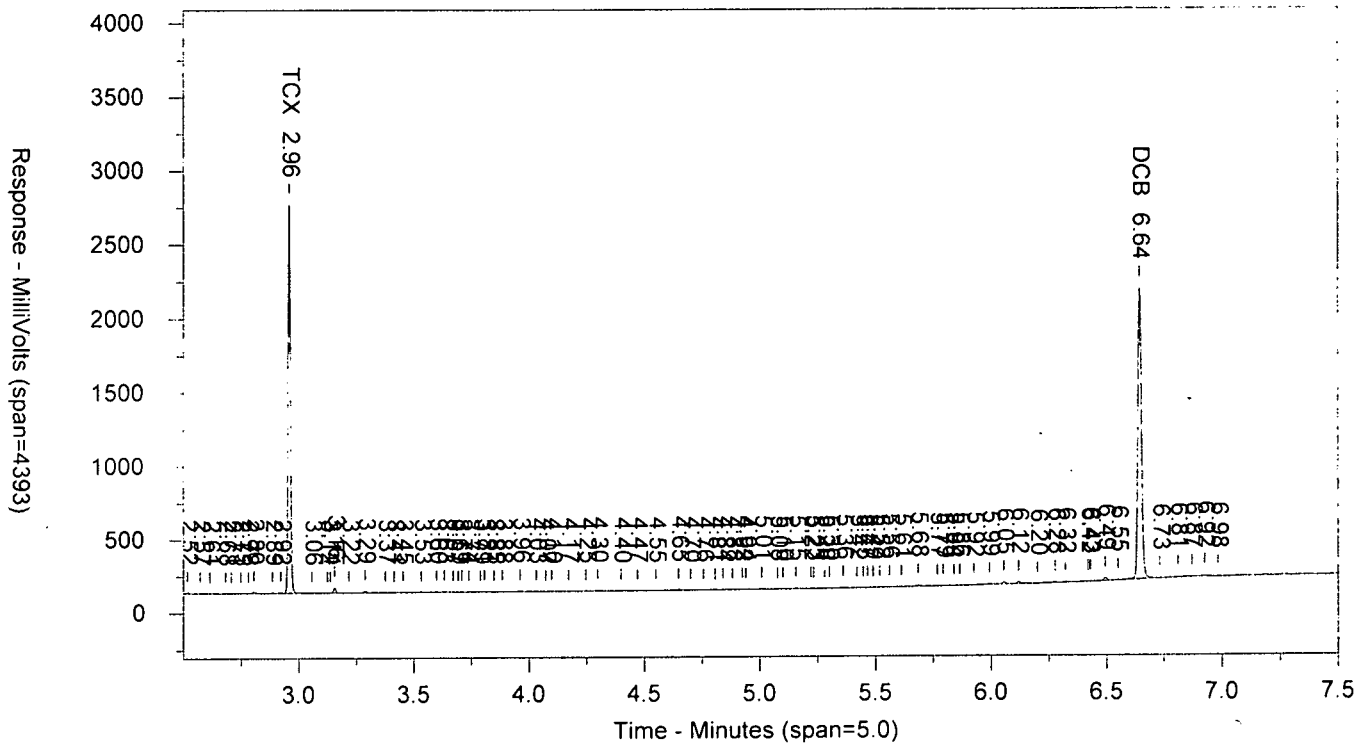

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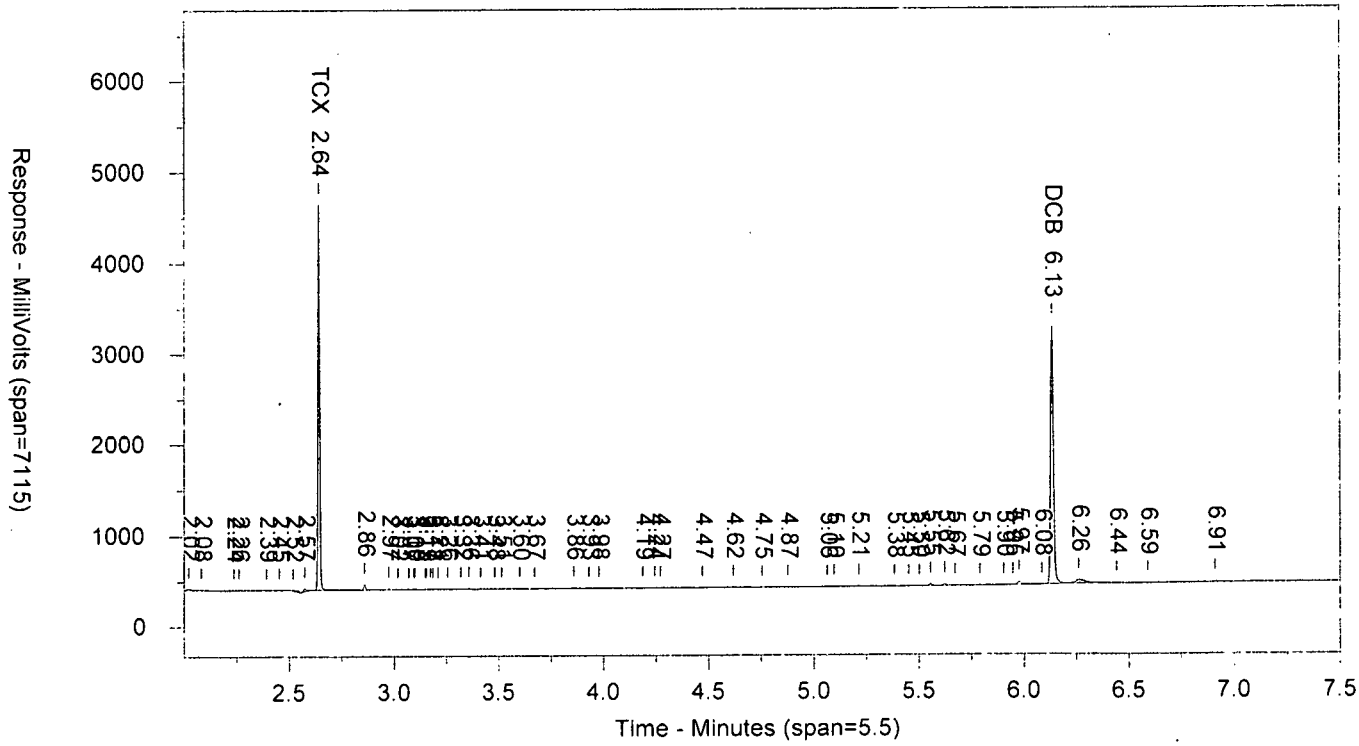

IBLKX1724B CVPIBLKCV PIBLK1726399999 10736 SW-846 8082

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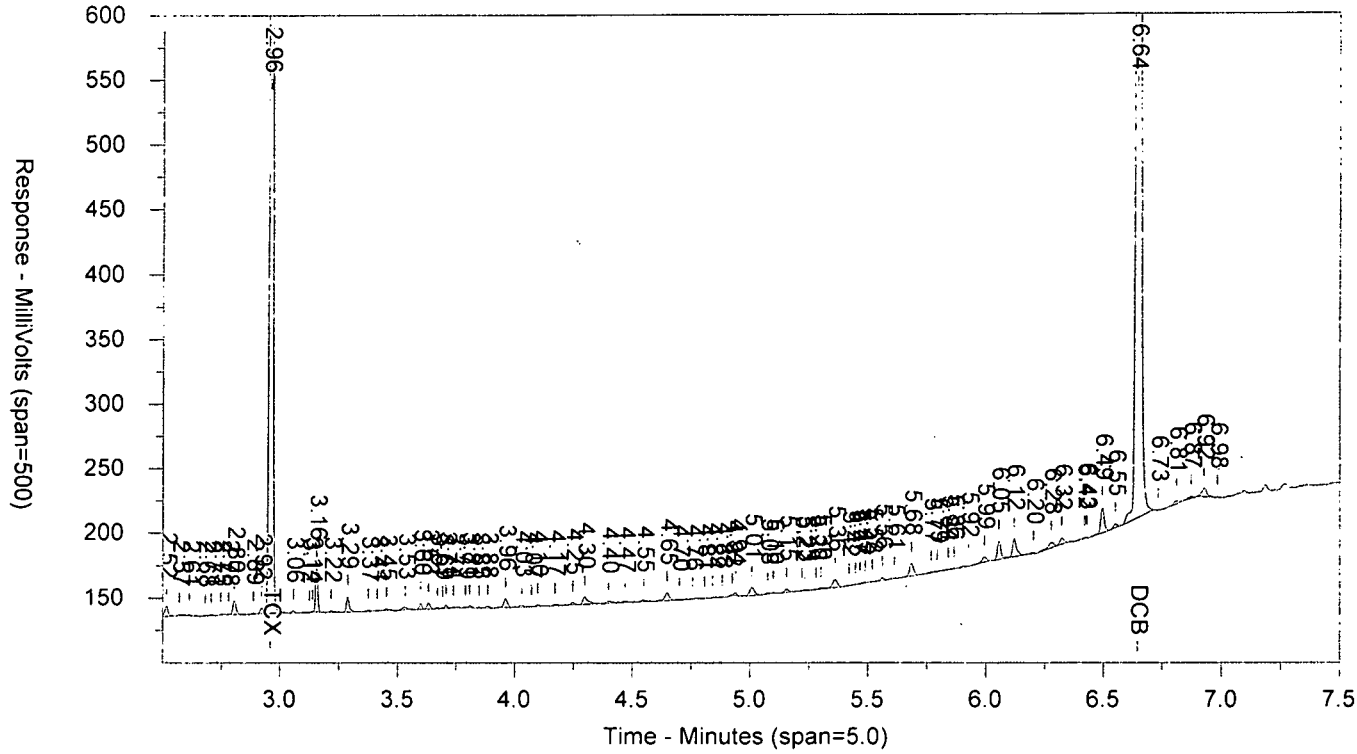

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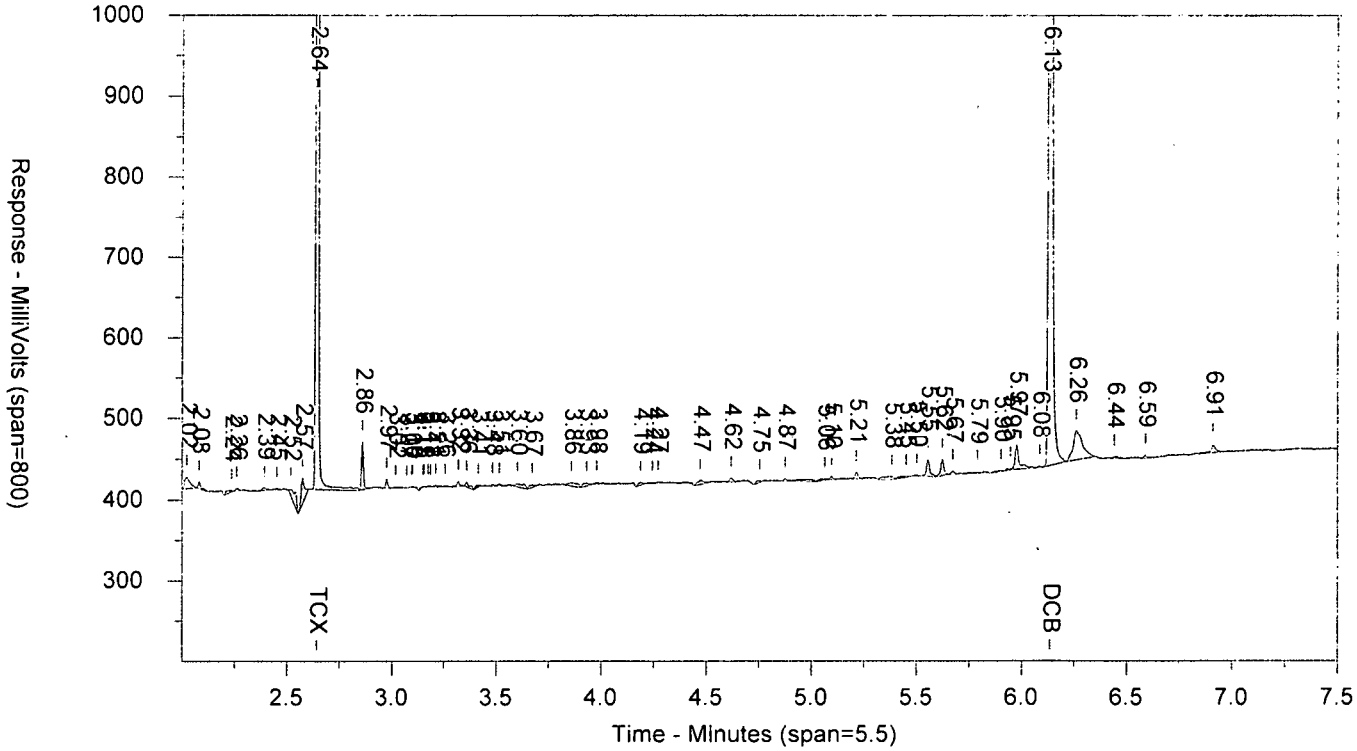

LANCASTER LABORATORIES

Sample Number: AR1641724B CBAR164CB CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:12:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257007.015.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.063		6426	7798
2.106		17768	39461
2.259		21685	15661
2.318		909	734
2.365		9445	9679
2.395		1581	1541
2.42		1241	1334
2.517		6195	7516
2.572		306	145
2.595		4147	2625
2.679		668	744
2.708		1602	1451
2.805		33344	36069
2.868		741	346
2.886		1193	968
2.921		2573	1988
2.959	TCX	4850941	3231923
3.057		2373	2664
3.104		58586	50450
3.159		107181	96554
3.208		378369	277672
3.286		6673	3227
3.302		40752	26862
3.343		1222	838
3.378		1031	850
3.424		367085	227185
3.441		174361	95612
3.478		45964	26418
3.494		4738	1556
3.505		23956	13255
3.539		465725	371709
3.576		2203	1069
3.594		3322	2030
3.615		14258	9201
3.649		109137	63590
3.664		56773	28054
3.708		258693	131973
3.719		516576	273674
3.756		602325	459989
3.813		517704	408626
3.855		37070	26911
3.883		333193	255729
3.911		224379	190993
3.933		68185	36901
4.007		373769	281345
4.031		133361	86194
4.063		147005	108916
4.096		410454	412147
4.136		132363	107270
4.184		19145	16774
4.223		24291	18506
4.257		354250	266065
4.275		64920	36234
4.3		112469	87586

RT A	Compound A	Height A	Area A
4.37		61693	51389
4.413		399306	409060
4.447		9909	6795
4.51		3236	2690
4.551		30287	30218
4.602		45023	32136
4.618		103840	73719
4.663		268382	250875
4.713		395582	448569
4.749		77931	57255
4.789		891525	894455
4.835		3276	2315
4.875		163964	172270
4.908		8457	5138
4.935		175709	174083
4.988		1129932	1471966
5.039		222852	208528
5.079		541819	619319
5.121		3213	1335
5.159		113660	134067
5.192		1444939	1525308
5.234		13718	4898
5.259		693341	649489
5.301		424650	424705
5.357		731	606
5.395		176483	142376
5.421		726575	663042
5.477		394259	372535
5.515		220198	226723
5.558		42254	42440
5.599		260358	304199
5.655		2043215	2159471
5.75		1979	2381
5.806		1058	840
5.859		1237790	1177555
5.889		74654	45300
5.915		260978	300742
5.99		1785	2104
6.051		57263	56824
6.13		245770	345816
6.198		682	236
6.242		610	1174
6.285		526575	544580
6.331		36166	34567
6.418		1496	2517
6.488		172351	182914
6.54		1957	1885
6.564		478	270
6.637	DCB	4105023	4360939
6.782		391	490
6.809		845	1150
6.826		757	230
6.885		819	2469
6.917		6716	9191
6.979		512	170

LANCASTER LABORATORIES

Sample Number: AR1641724B CBAR164CB CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:12:04 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257007B.015.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.017		28083	44778
2.082		15750	12332
2.136		1589	5965
2.213		2316	1453
2.258		2699	5253
2.326		7260	4442
2.39		4389	5814
2.439		1594	1514
2.487		2043	6065
2.573		86614	95182
2.641	TCX	7390764	4314254
2.684		52480	37526
2.759		1566	1227
2.811		115461	75028
2.858		70152	32783
2.872		102622	51436
2.924		592070	369147
2.974		19075	11395
3.035		80393	50139
3.066		1294	357
3.076		548	112
3.087		342	127
3.096		1582	610
3.13		505085	246422
3.142		162679	64335
3.182		93179	57325
3.203		40231	21886
3.229		68185	38287
3.253		701357	471781
3.289		24724	13937
3.317		2381	1036
3.336		191240	102434
3.351		108830	54334
3.376		1740	718
3.401		362091	182889
3.411		858977	365247
3.431		30635	9610
3.445		746960	498915
3.52		786025	503690
3.554		532036	335399
3.578		593212	481828
3.682		642240	444867
3.705		257051	141133
3.725		247870	143691
3.755		152402	77600
3.772		522689	342769
3.813		204955	149732
3.861		25229	21903
3.883		145344	88815
3.905		706555	467582
3.931		151669	105393
3.969		88931	54973
4.004		680237	427537
4.039		20771	12829

RT B	Compound B	Height B	Area B
4.054		45269	28935
4.114		4664	3306
4.149		41254	35624
4.206		161973	122640
4.249		165210	97878
4.28		563333	561016
4.306		234158	243450
4.358		1332463	1066543
4.406		18979	13444
4.429		133331	88673
4.452		304290	227016
4.494		1681989	1333625
4.597		1305666	1298244
4.651		170847	143133
4.689		385393	330645
4.725		1633279	1379779
4.758		800549	582901
4.796		567505	465516
4.869		2533	2743
4.895		208754	224041
4.947		1085021	851636
4.971		130961	86353
5.021		547827	527783
5.056		279583	226255
5.086		204202	175524
5.119		56808	33701
5.14		2637961	2174211
5.181		55920	42461
5.213		107518	94855
5.33		28942	18756
5.353		526761	460789
5.398		1814507	1924446
5.552		75614	69117
5.598		46623	34189
5.62		58309	44669
5.67		313527	296625
5.775		702023	625263
5.806		42588	32663
5.938		1247	1179
5.973		241820	230487
6.131	DCB	5938431	5350422
6.258		20790	60474
6.437		3122	8871
6.582		6141	5273
6.702		2316	3623
6.83		1622	3146
6.904		6978	8038

AR1641724B CBAR164CB CCAL 1726399999 10736 SW-846 8082

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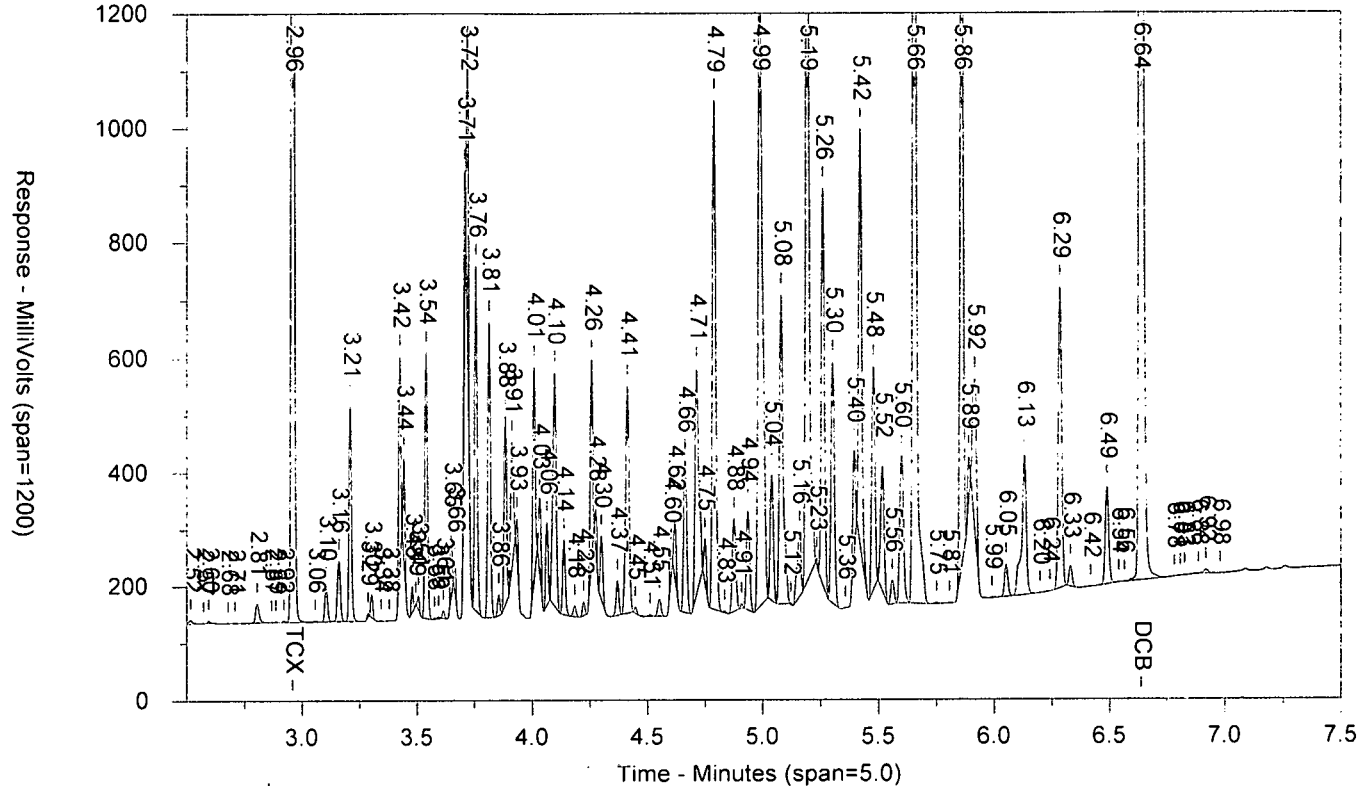

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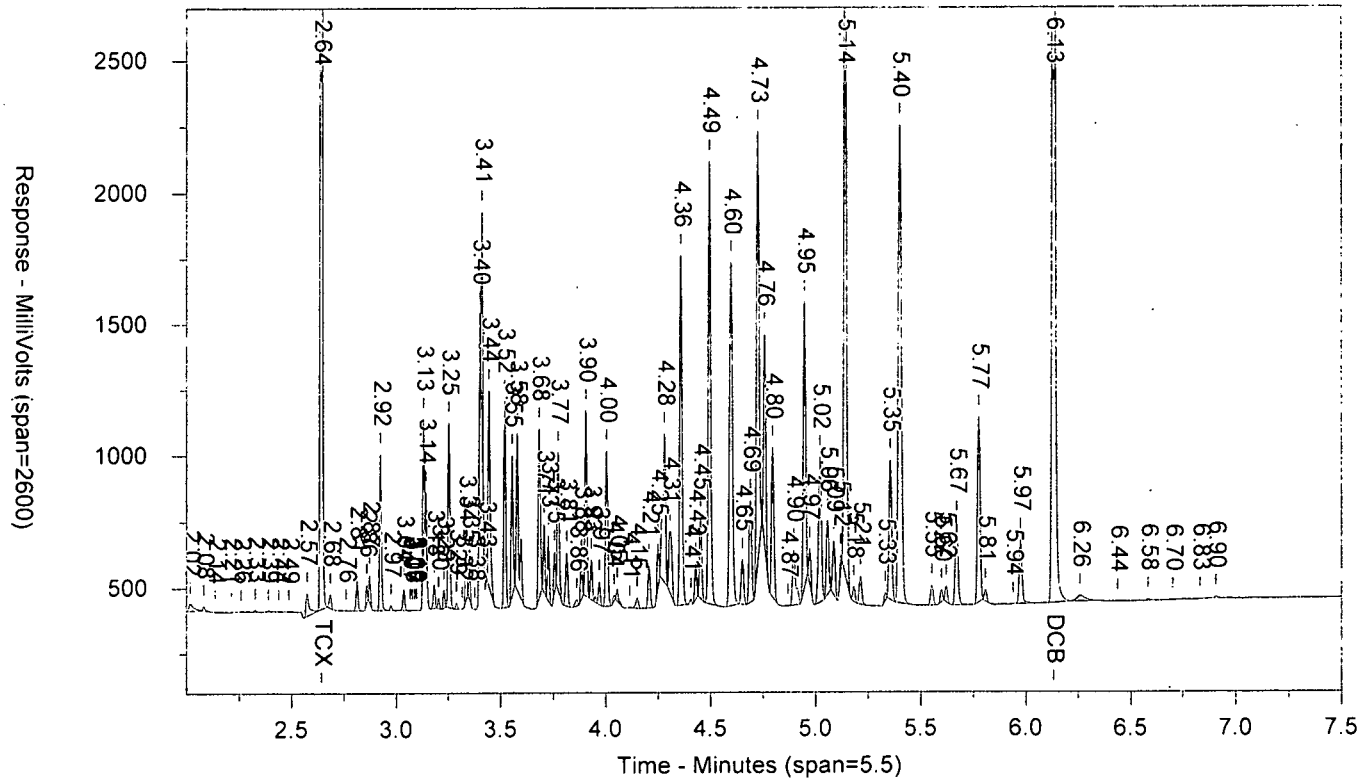

LANCASTER LABORATORIES

Sample Number: AR1641724B CBAR164CB CCAL 1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:12:04 PM Sample Weight: 1
Instrument ID: CP25-18274 Dilution Factor: 1
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	4850941	42.676	TCX	2.641	7390764	41.348	TCX
6.637	4105023	38.549	DCB	6.131	5938431	39.328	DCB

Files:
Area File: 25PCBS17257007.015.RAW
Area File: 25PCBS17257007B.015.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/21/2017 11:20:36 PM
File Reported On: 9/21/2017 at 11:20:49 PM

AR1641724B CBAR164CB CCAL 1726399999 10736 SW-846 8082

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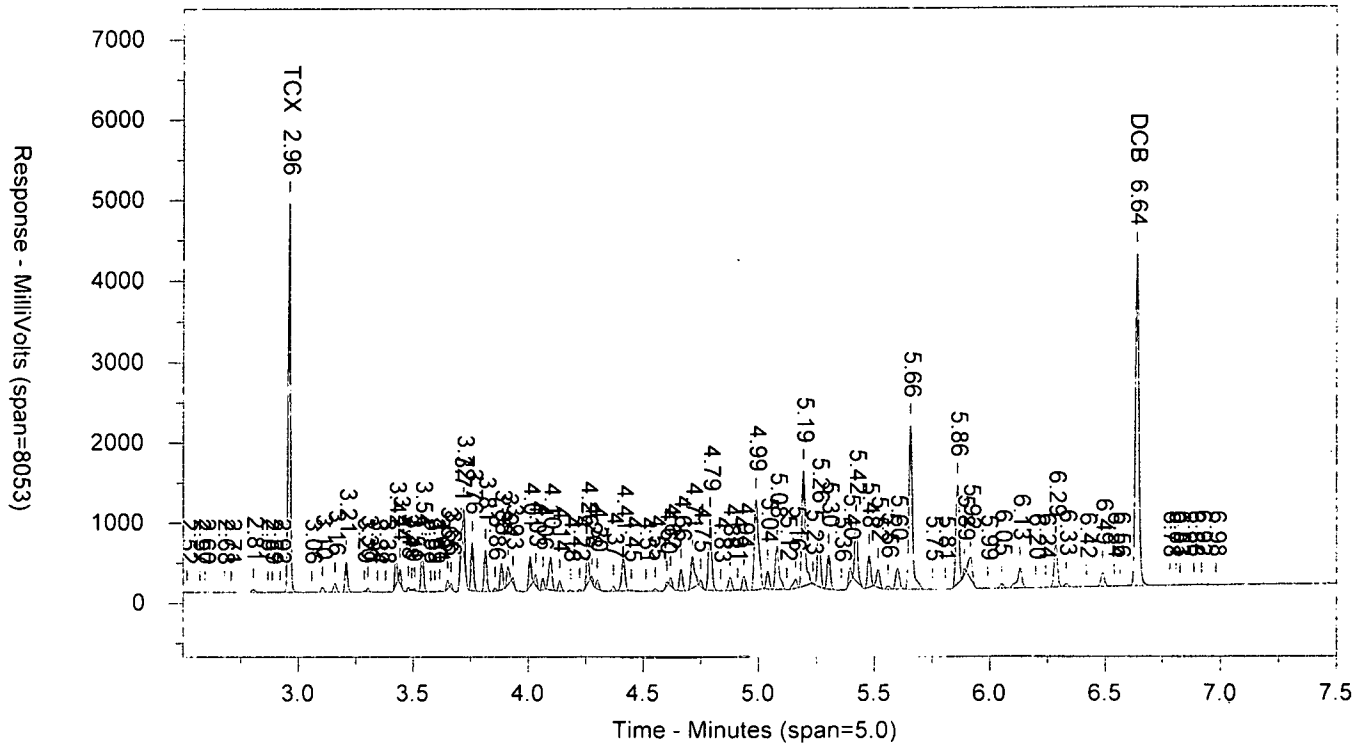

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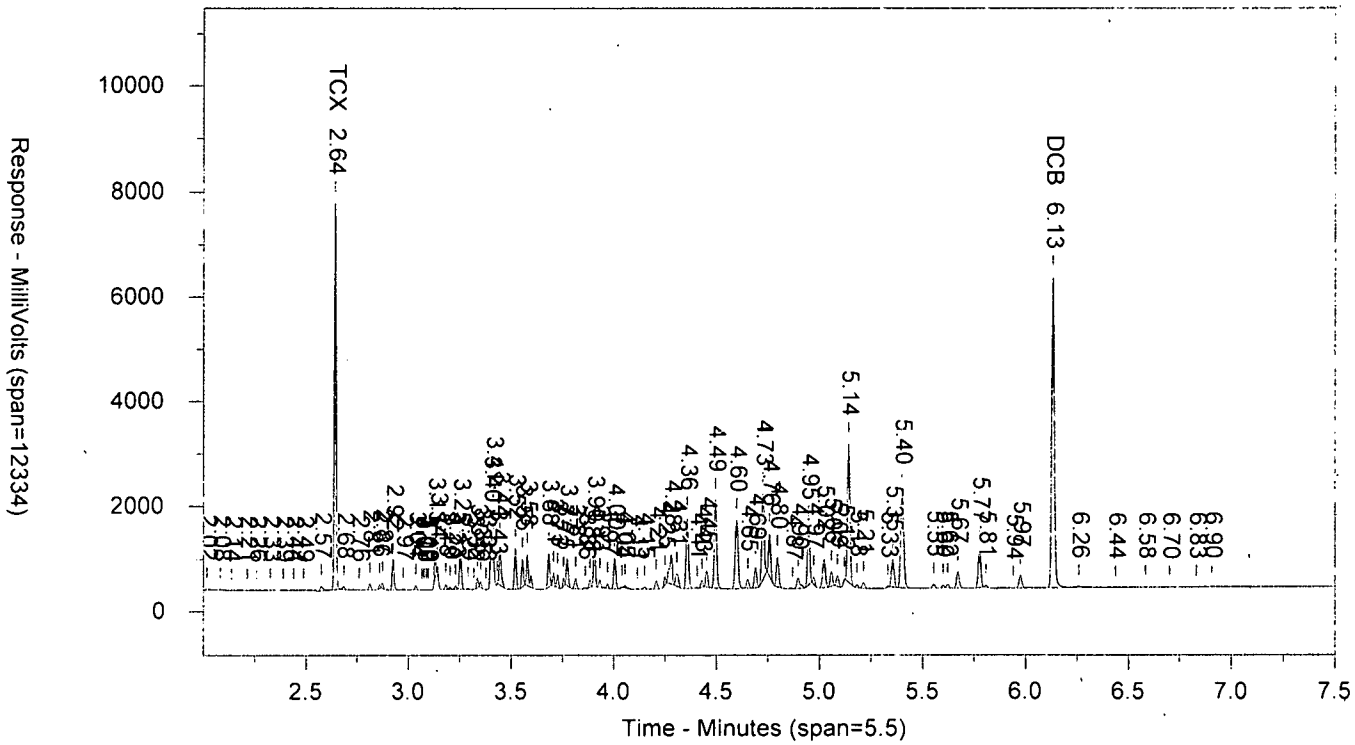

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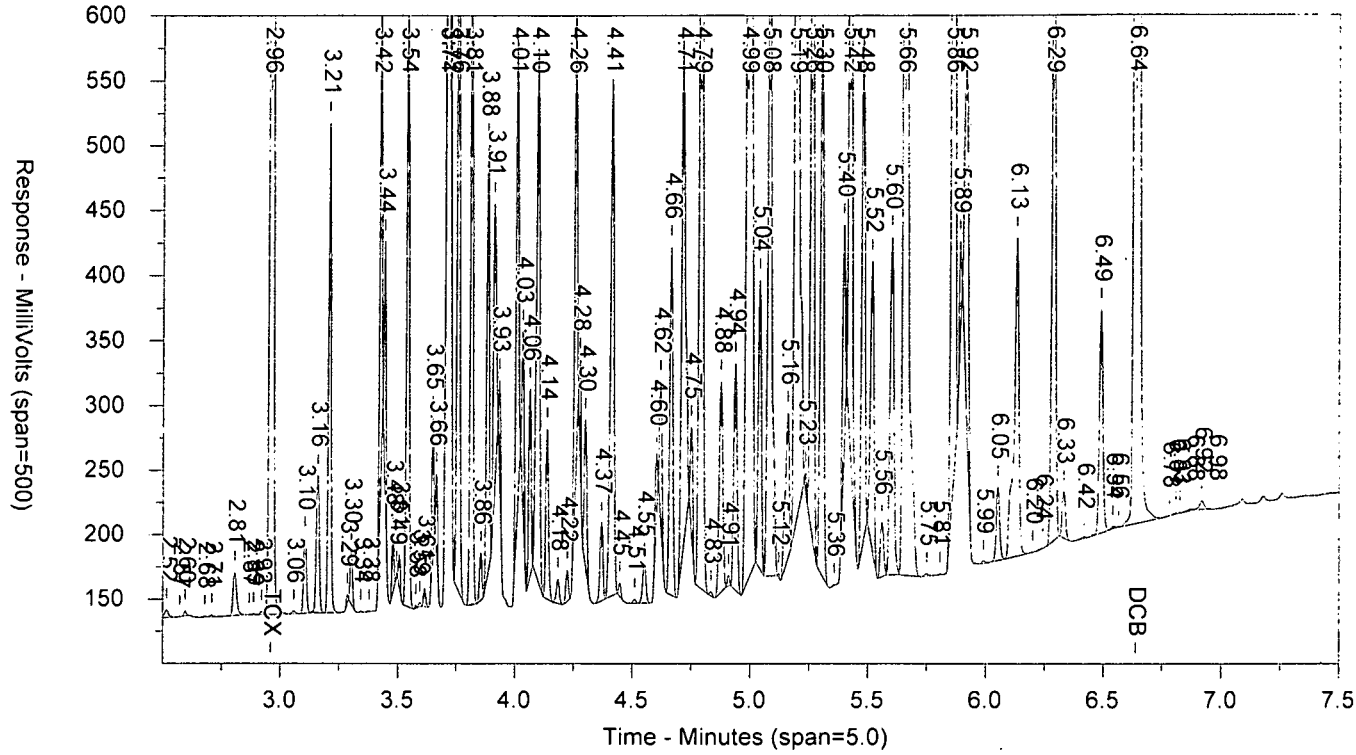

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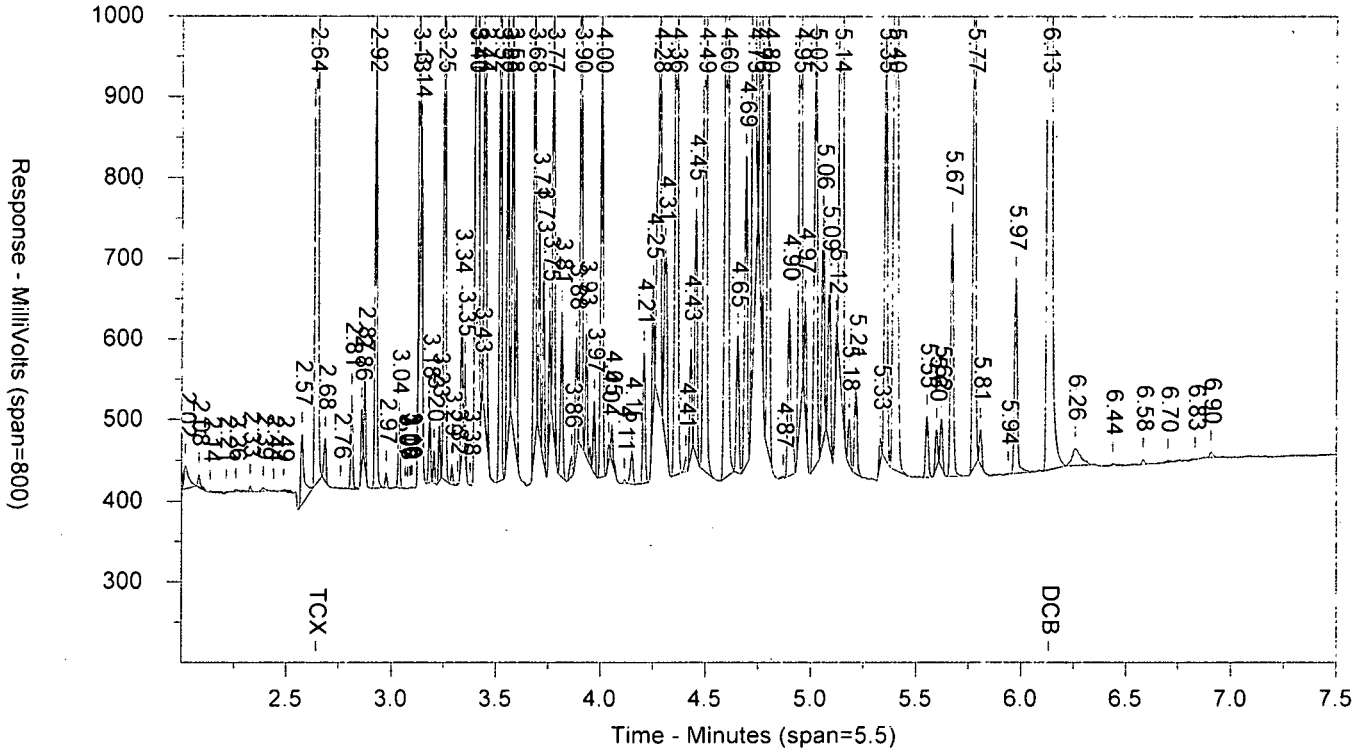

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CZPIBLKCZ PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:23:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257007.016.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.061		12782	13957
2.108		7635	18345
2.186		781	970
2.24		467	192
2.259		11986	8096
2.318		633	624
2.357		15806	13485
2.395		1663	1695
2.463		385	418
2.517		9753	10821
2.583		657	1402
2.611		971	952
2.68		582	628
2.707		1060	907
2.782		280	738
2.805		4873	4731
2.886		1678	1089
2.921		5724	4707
2.959	TCX	2390990	1678133
3.055		1494	1654
3.155		31050	22473
3.219		972	1040
3.286		11865	11126
3.375		900	1073
3.412		761	613
3.448		1107	1477
3.531		2128	3651
3.597		3535	2418
3.63		5250	5032
3.669		737	574
3.704		1553	1266
3.738		884	614
3.755		697	521
3.806		1233	1341
3.845		736	651
3.877		831	942
3.957		6976	8563
4.022		1022	1371
4.094		1348	1748
4.172		861	1108
4.216		494	399
4.244		1629	1959
4.294		6997	9890
4.403		986	1390
4.434		480	169
4.463		885	1150
4.547		773	871
4.643		7128	9848
4.692		793	862
4.787		400	662
4.817		397	184
4.849		608	465
4.866		615	399
4.921		221	328

RT A	Compound A	Height A	Area A
4.934		1818	1419
5.004		7515	11405
5.073		641	460
5.098		674	457
5.151		2227	2285
5.191		423	235
5.239		541	954
5.259		352	155
5.301		502	651
5.32		399	133
5.356		7702	11189
5.439		451	2143
5.484		342	364
5.518		511	250
5.559		1855	2468
5.608		618	512
5.682		10852	13511
5.724		371	148
5.764		623	424
5.862		651	1272
5.93		457	1222
5.989		5092	8265
6.051		13494	12838
6.114		12688	14299
6.177		661	649
6.196		916	781
6.273		5713	11222
6.318		3353	4114
6.392		768	322
6.427		479	883
6.461		768	936
6.487		17722	19592
6.539		3900	4766
6.636	DCB	2072161	2214368
6.744		551	300
6.766		526	245
6.798		2642	2905
6.882		201	1489
6.915		6320	8962
6.968		683	590

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CZPIBLKCZ PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:23:22 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257007B.016.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.014		12447	23846
2.081		7980	7095
2.23		3109	7621
2.258		3567	7329
2.388		6849	196047
2.575		15235	18077
2.641	TCX	3821067	2262717
2.784		1099	697
2.859		57044	38576
2.975		10385	6768
3.018		1536	3010
3.072		530	181
3.082		660	205
3.095		1229	936
3.114		3032	1966
3.142		1542	1507
3.148		830	471
3.164		698	232
3.177		539	162
3.181		836	317
3.208		1442	1671
3.252		1281	1510
3.318		5379	4492
3.355		4787	8764
3.41		4812	7537
3.477		2211	1679
3.6		4012	13522
3.686		1764	7359
3.924		5068	11058
4.179		4512	4849
4.271		2216	7345
4.47		5022	10008
4.617		4204	5425
4.775		712	6229
4.878		1940	1281
5.093		4850	15932
5.213		6914	7179
5.35		3619	12072
5.429		2132	4453
5.553		19706	21503
5.621		17934	18685
5.673		3644	3597
5.894		1805	4057
5.973		27968	24721
6.004		2012	2838
6.131	DCB	2869333	2706692
6.26		20866	69020
6.441		1804	4115
6.583		3697	6927
6.749		1545	5619
6.904		8268	17005

IBLKX1724B CZPIBLKCZ PIBLK1726399999 10736 SW-846 8082

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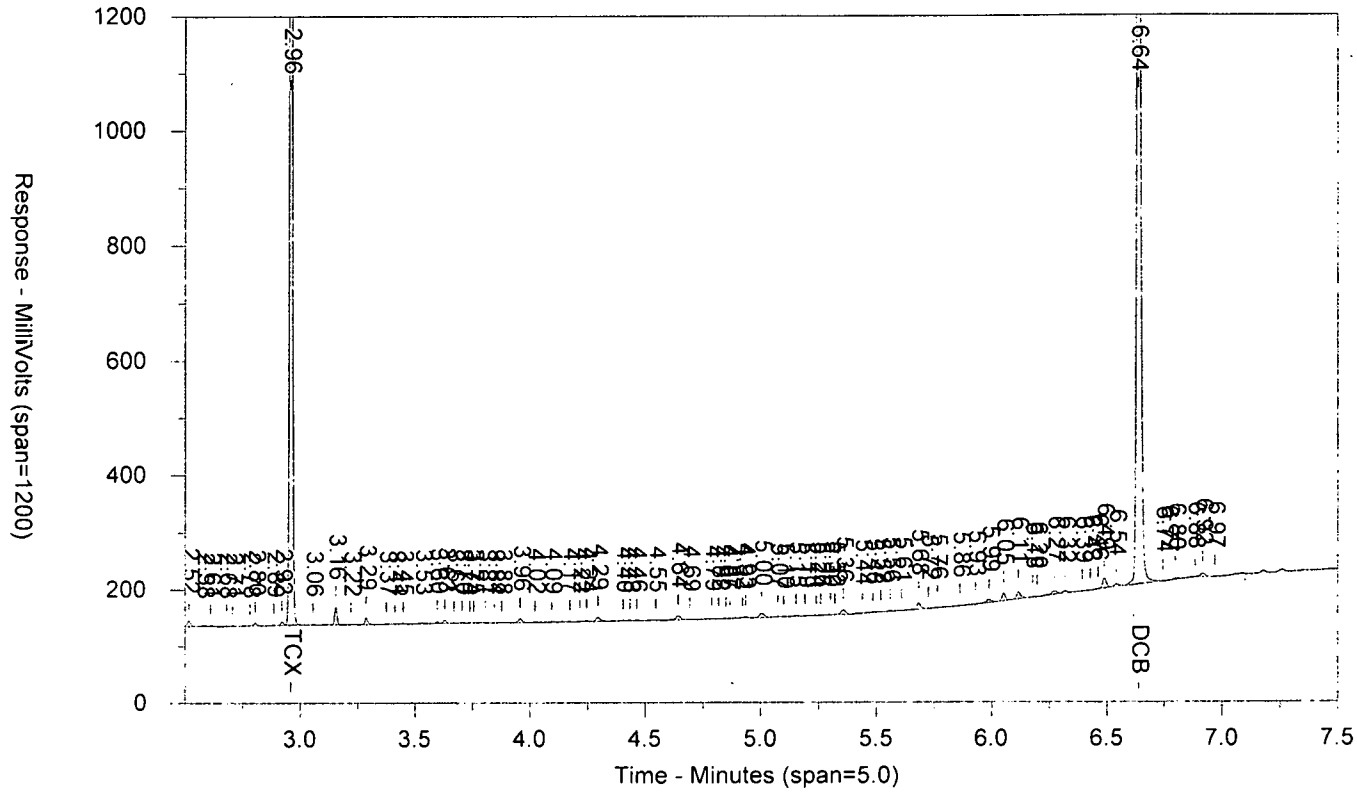

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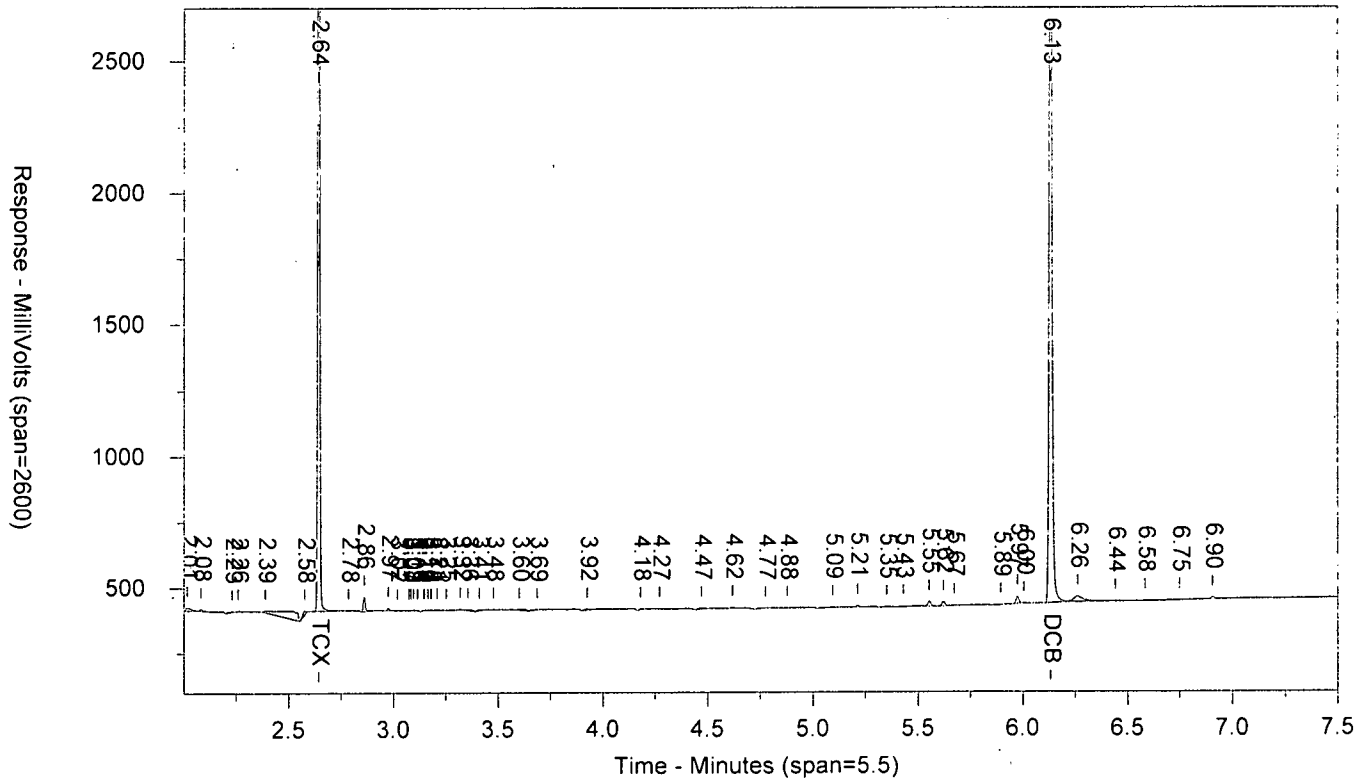

LANCASTER LABORATORIES

Sample Number: IBLKX1724B CZPIBLKCZ PIBLK1726399999 10736 SW-846 8082
Injected On: 9/21/2017 11:23:22 PM Sample Weight: 1000
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	2390990	.21	TCX	2.641	3821067	.214	TCX
6.636	2072161	.195	DCB	6.131	2869333	.19	DCB

Files:
Area File: 25PCBS17257007.016.RAW
Area File: 25PCBS17257007B.016.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/21/2017 11:31:54 PM
File Reported On: 9/21/2017 at 11:32:03 PM

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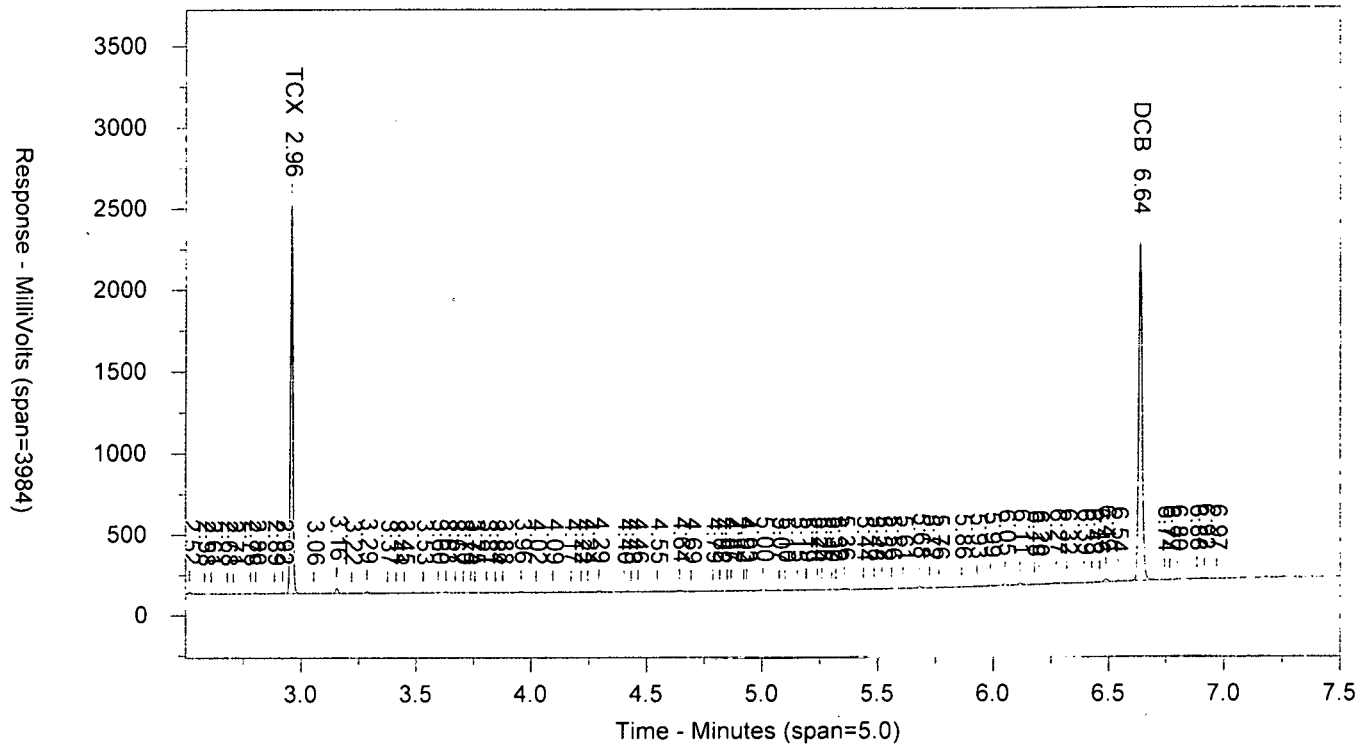

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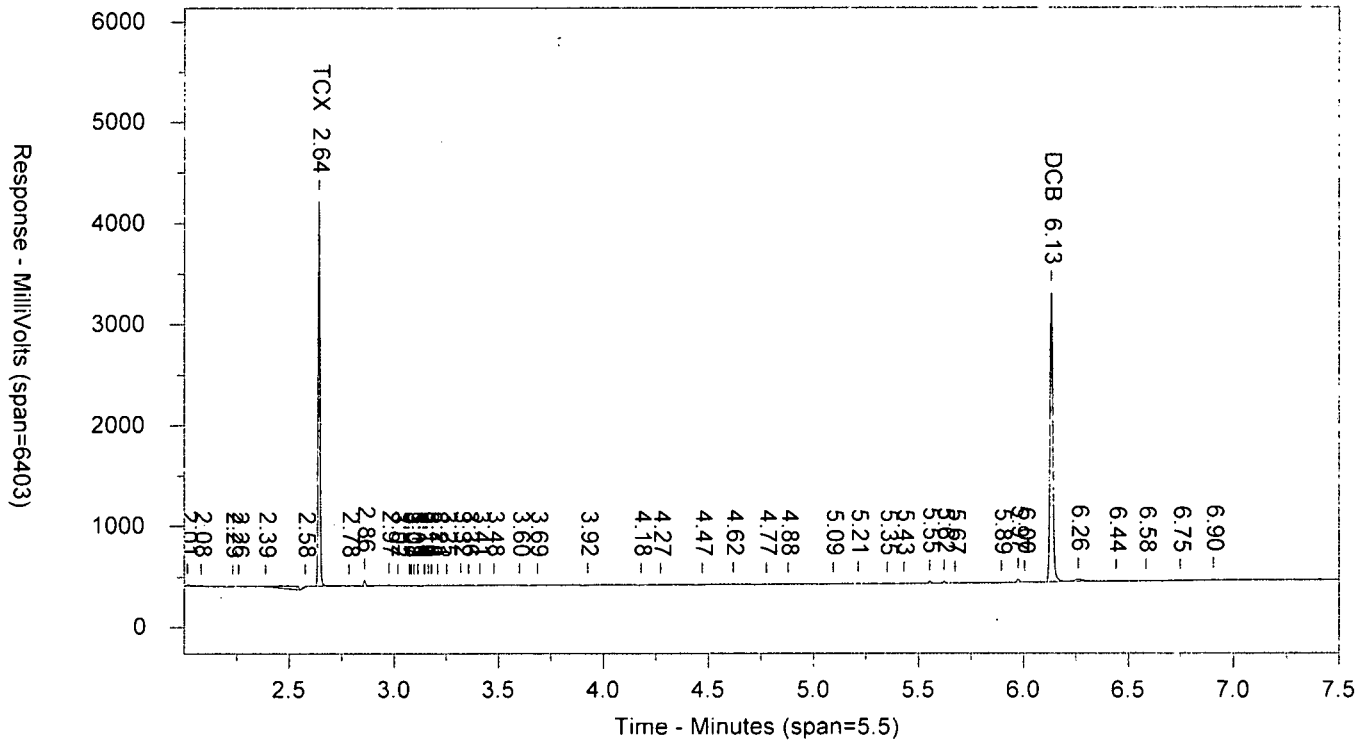

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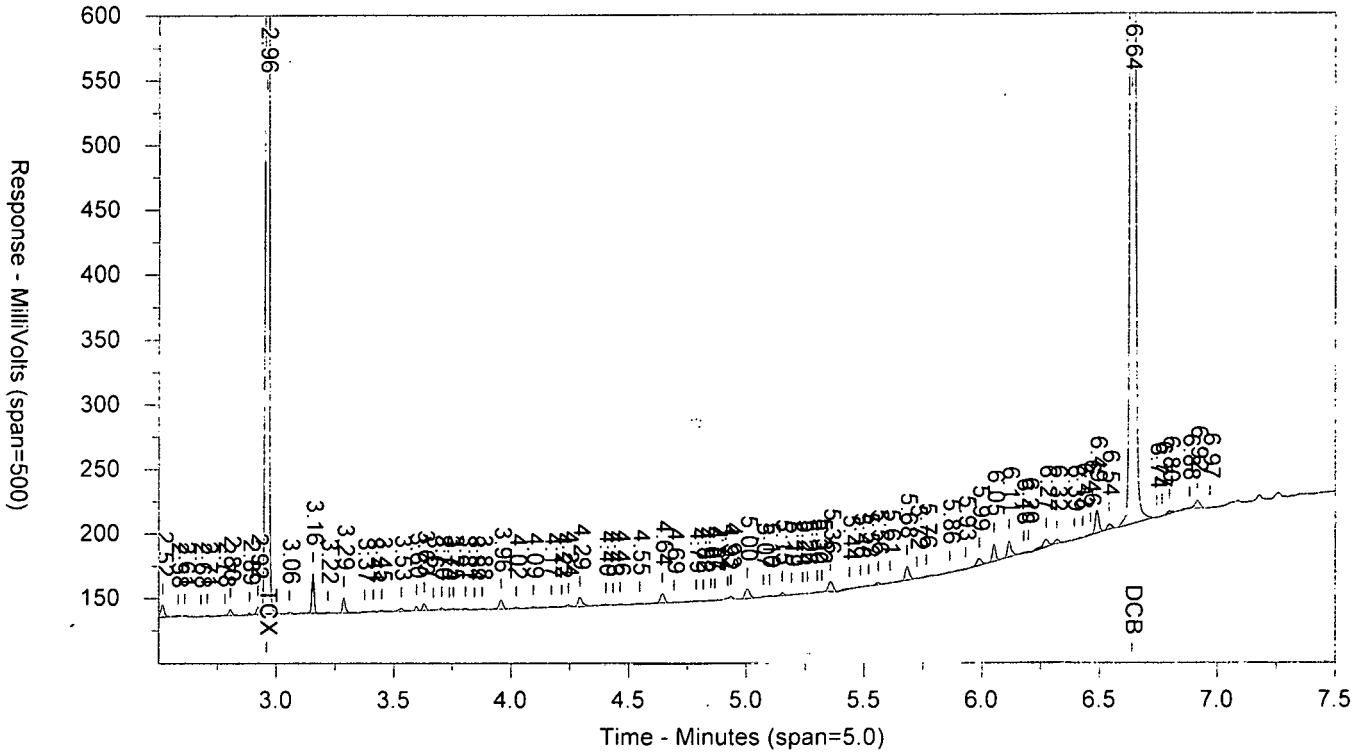

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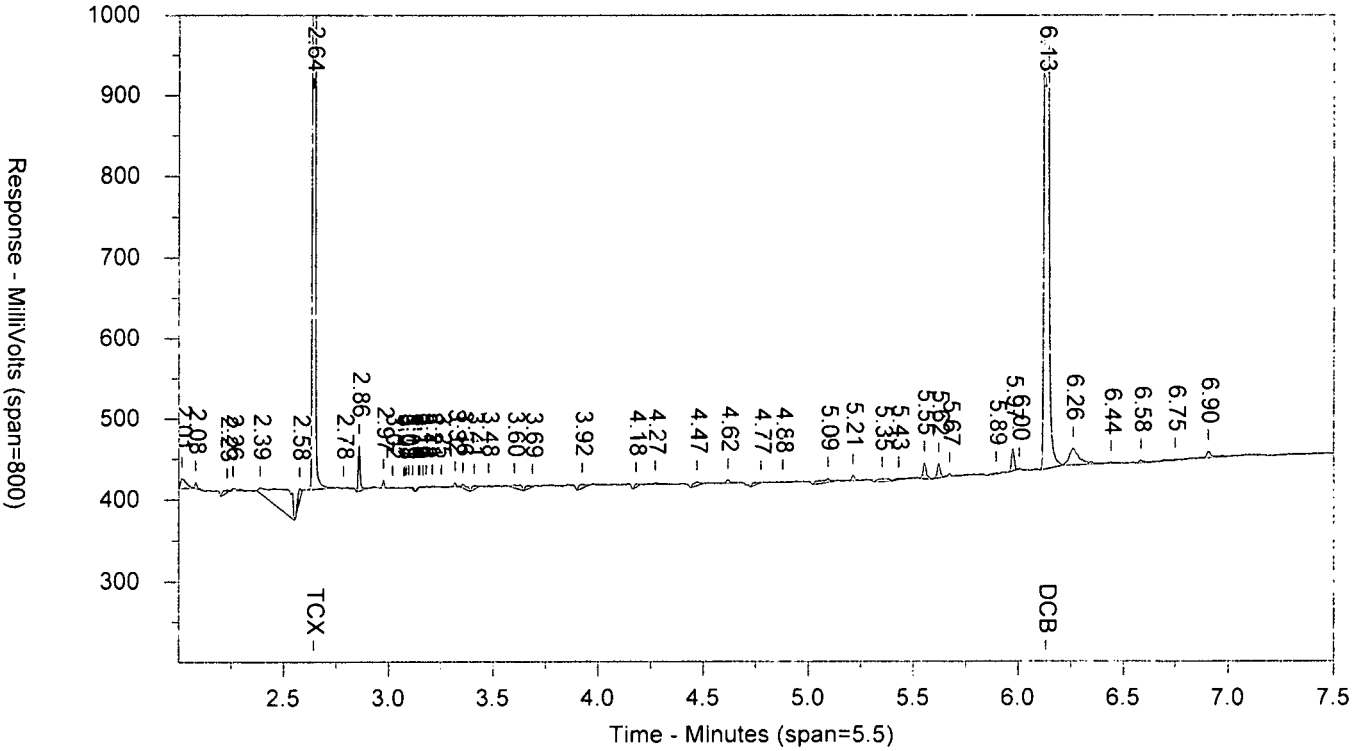

Raw QC Data

Polychlorinated Biphenyls (PCBs)

eurofins | Lancaster Laboratories Environmental

Data Summary

Sample Name: BLANKA 9/13/17 ACF PBLK11256 BLK Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 09:33:00
Instrument	18274A
Result file	25PCBS17257004.084.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 104% (61 - 152) Conc: 31.75068
%SSR(DCB) 95% (48 - 164) Conc: 25.80973

Analysis Report (B)

Injected on	Sep 18, 2017 09:33:00
Instrument	18274B
Result file	25PCBS17257004B.084.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 105% (61 - 152) Conc: 31.95511
%SSR(DCB) 96% (48 - 164) Conc: 26.02753

Single Component Data

Compound	Min	RT	Max	Height	Amount	Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	3609043	31.75068	Tetrachloro-m-xylene	2.61	2.64	2.67	5711880	31.95511
Decachlorobiphenyl	6.61	6.64	6.67	2748412	25.80973	Decachlorobiphenyl	6.10	6.13	6.16	3930074	26.02753

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	31.95511				0.64	
Tetrachloro-m-xylene-D1	A	31.75068					
Tetrachloro-m-xylene-D2	B	31.95511					
Decachlorobiphenyl	B	26.02753				0.84	
Decachlorobiphenyl-D1	A	25.80973					
Decachlorobiphenyl-D2	B	26.02753					

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

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:34:59

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/13/17 ACF PBLK11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 09:33:00
Instrument : CP25--18274A
Result file : 25PCBS17257004.084.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 104% (61-152) Conc.: 31.75068
%SSR(DCB) : 95% (48-164) Conc.: 25.80973

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**4**	**33.75**	
3.19	3.21	3.23	880.8911	0.474736			1
+ 3.19	3.23	3.23	828.6751	0.446596			1
3.41	3.42	3.45	695.8711	0.372959			2
3.74	3.75	3.78	2337.114	0.79525			4
+ 3.79	3.80	3.83	308.29	0.119741			5
3.79	3.81	3.83	1299.744	0.504826			5
Height Summation:			**5213.6202**				
Amount Avg CF:			**0.536943**	Linear:			
Aroclor-1221					**3**	**162.26**	
3.09	3.11	3.13	959.9183	1.009724			1
3.14	3.16	3.18	26839.26	30.466516			2
+ 3.14	3.18	3.18	1265.552	1.436588			2
3.19	3.21	3.23	880.8911	0.334639			3
+ 3.19	3.23	3.23	828.6751	0.314802			3
Height Summation:			**28680.0694**				
Amount Avg CF:			**10.603626**	Linear:			
Aroclor-1232					**4**	**54.53**	
3.19	3.21	3.23	880.8911	0.400209			1
+ 3.19	3.23	3.23	828.6751	0.376486			1
3.40	3.42	3.44	695.8711	0.815711			2
3.73	3.75	3.77	2337.114	1.717742			4
+ 3.79	3.80	3.83	308.29	0.27277			5
3.79	3.81	3.83	1299.744	1.149993			5
Height Summation:			**5213.6202**				
Amount Avg CF:			**1.020914**	Linear:			
Aroclor-1242					**5**	**36.28**	
3.19	3.21	3.23	880.8911	0.337199			1
+ 3.19	3.23	3.23	828.6751	0.317211			1
3.41	3.42	3.45	695.8711	0.275938			2
3.74	3.75	3.78	2337.114	0.574747			4
3.80	3.81	3.84	1299.744	0.366193			5
3.99	4.03	4.03	1666.383	0.640893			6
Height Summation:			**6880.0032**				
Amount Avg CF:			**0.438994**	Linear:			
Aroclor-1248					**6**	**60.88**	
3.74	3.75	3.78	2337.114	1.892362			1
+ 3.80	3.80	3.84	308.29	0.215343			2
3.80	3.81	3.84	1299.744	0.907879			2
3.86	3.88	3.90	1949.624	0.824654			3
3.99	4.03	4.03	1666.383	0.616749			4
4.08	4.10	4.12	1490.111	0.621681			5
4.26	4.26	4.30	5720.74	2.334365			6
Height Summation:			**14463.716**				
Amount Avg CF:			**1.199615**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 09:33:00
Instrument : CP25--18274B
Result file : 25PCBS17257004B.084.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 105% (61-152) Conc.: 31.95511
%SSR(DCB) : 96% (48-164) Conc.: 26.02753

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**5**	**114.98**	
2.91	2.93	2.95	3692.931	1.251577			1
+ 3.11	3.12	3.15	1747.8	0.719385			2
3.11	3.14	3.15	3897.01	1.603987			2
+ 3.23	3.23	3.27	1300.622	0.371918			3
3.23	3.27	3.27	24436.01	6.98758			3
3.43	3.43	3.47	2455.468	0.670844			4
3.54	3.56	3.58	2608.016	0.981061			6
Height Summation:			**37089.435**				
Amount Avg CF:			**2.29901**	Linear:			
Aroclor-1221					**2**	**136.11**	
2.85	2.86	2.89	47209.24	46.788184			2
2.91	2.93	2.95	3692.931	0.895278			3
Height Summation:			**50902.171**				
Amount Avg CF:			**23.841731**	Linear:			
Aroclor-1232					**5**	**125.67**	
2.91	2.93	2.95	3692.931	1.07673			1
+ 3.11	3.12	3.15	1747.8	1.540013			2
3.11	3.14	3.15	3897.01	3.433715			2
+ 3.23	3.23	3.27	1300.622	0.819589			3
3.23	3.27	3.27	24436.01	15.398395			3
3.43	3.43	3.47	2455.468	1.466785			4
3.53	3.56	3.57	2608.016	2.524918			6
Height Summation:			**37089.435**				
Amount Avg CF:			**4.780109**	Linear:			
Aroclor-1242					**5**	**110.96**	
2.91	2.93	2.95	3692.931	0.918468			1
+ 3.11	3.12	3.15	1747.8	0.61417			2
3.11	3.14	3.15	3897.01	1.369395			2
+ 3.23	3.23	3.27	1300.622	0.27527			3
3.23	3.27	3.27	24436.01	5.171763			3
3.43	3.43	3.47	2455.468	0.49539			4
3.54	3.56	3.58	2608.016	0.78524			6
Height Summation:			**37089.435**				
Amount Avg CF:			**1.748051**	Linear:			
Aroclor-1248					**5**	**41.56**	
3.43	3.43	3.47	2455.468	1.672607			1
3.54	3.56	3.58	2608.016	0.695777			3
3.66	3.67	3.70	3139.467	0.675468			4
3.75	3.77	3.79	3041.394	0.956534			5
3.89	3.91	3.93	5172.636	0.891851			6
Height Summation:			**16416.981**				
Amount Avg CF:			**0.978447**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/13/17 ACF PBLK11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 09:33:00
Instrument : CP25--18274A
Result file : 25PCBS17257004.084.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	66.58	
4.24	4.26	4.28	5720.74	2.156003			1
4.39	4.41	4.43	1035.015	0.891021			2
4.65	4.66	4.68	12714.45	2.016064			3
4.86	4.88	4.90	13074.22	2.842812			4
5.06	5.08	5.10	11193.5	3.124141			5
5.17	5.19	5.21	32988.53	6.60626			6
Height Summation:			**79726.455**				
Amount Avg CF:			**2.939383**	Linear:			
Aroclor-1260					6	21.51	
4.97	4.99	5.01	20763.69	3.564056			1
5.17	5.19	5.21	32988.53	4.581131			2
5.24	5.26	5.28	10113.41	2.90336			3
5.40	5.42	5.44	11193.74	3.039758			4
5.64	5.66	5.68	40634.09	3.973029			5
5.84	5.86	5.88	31234.29	4.954534			6
Height Summation:			**146927.75**				
Amount Avg CF:			**3.835978**	Linear:			
Aroclor-1262					6	40.20	
5.25	5.26	5.29	10113.41	1.737054			1
5.41	5.42	5.45	11193.74	2.175443			2
5.64	5.66	5.68	40634.09	3.140035			3
+ 5.64	5.68	5.68	2706.984	0.209185			3
5.85	5.86	5.89	31234.29	4.01358			4
5.90	5.92	5.94	4824.648	1.260972			5
6.27	6.29	6.31	15337.04	3.276608			6
Height Summation:			**113337.218**				
Amount Avg CF:			**2.600616**	Linear:			
Aroclor-1268					6	91.18	
5.84	5.86	5.88	31234.29	2.213918			1
5.90	5.92	5.94	4824.648	0.390366			2
6.03	6.05	6.07	17571.74	1.490835			3
6.10	6.12	6.14	18889.63	6.114813			4
6.27	6.29	6.31	15337.04	2.963317			5
6.47	6.49	6.51	25322.68	0.64411			6
Height Summation:			**113180.028**				
Amount Avg CF:			**2.302893**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 09:33:00
Instrument : CP25--18274B
Result file : 25PCBS17257004B.084.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	55.07	
4.25	4.27	4.29	21096.84	2.383111			1
4.34	4.36	4.38	20621.28	4.958291			2
4.41	4.43	4.45	18516.09	3.025248			3
4.48	4.50	4.51	32965.02	9.013099			4
4.63	4.65	4.67	11312.77	2.630763			5
4.71	4.73	4.75	43478.07	6.386723			6
Height Summation:			**147990.07**				
Amount Avg CF:			**4.732873**	Linear:			
Aroclor-1260					6	19.83	
4.47	4.50	4.51	32965.02	3.966305			1
4.58	4.60	4.62	20633.95	3.129837			2
4.71	4.73	4.75	43478.07	5.410394			3
4.93	4.95	4.97	19101.77	3.463451			4
5.12	5.14	5.16	55544.35	4.282396			5
5.38	5.40	5.42	41709.32	4.627844			6
Height Summation:			**213432.48**				
Amount Avg CF:			**4.146705**	Linear:			
Aroclor-1262					6	36.11	
4.74	4.76	4.78	11628.95	1.439855			1
4.93	4.95	4.97	19101.77	2.370199			2
+ 4.93	4.97	4.97	9831.45	1.219913			2
5.12	5.14	5.16	55544.35	3.256605			3
5.34	5.35	5.38	11090.01	1.692844			4
5.38	5.40	5.42	41709.32	3.648014			5
5.76	5.77	5.80	22314.64	3.53151			6
Height Summation:			**161389.04**				
Amount Avg CF:			**2.656504**	Linear:			
Aroclor-1268					6	76.91	
5.33	5.35	5.37	11090.01	0.581121			1
5.38	5.40	5.42	41709.32	2.227322			2
5.53	5.55	5.57	27387.89	1.745141			3
5.60	5.62	5.64	21291.11	5.198606			4
5.75	5.77	5.79	22314.64	3.150982			5
5.95	5.97	5.99	38221.34	0.652961			6
Height Summation:			**162014.31**				
Amount Avg CF:			**2.259355**	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		** 124.27	4	40	
Aroclor-1221			51	15.3		** 76.86	3	5	
Aroclor-1232			51	12.3		** 129.60	4	10	
Aroclor-1242			51	12.3		** 119.71	4	30	
Aroclor-1248			51	9.9		20.31	4	40	
Aroclor-1254			51	13.2		** 46.75	4	40	
Aroclor-1260			51	11.7		7.79	4	40	
Aroclor-1262			51	9.9		2.13	4	40	

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: BLANKA 9/13/17 ACF PBLK11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 09:33:00
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.084.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 09:33:00
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.084.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1268			51	9.9		1.91	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:33:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.084.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.028		9326	5900
2.042		5971	3905
2.069		8689	10622
2.12		8056	9753
2.141		5239	3042
2.166		217416	161067
2.217		1360	584
2.231		8742	4769
2.259		10490	13958
2.32		3294	3258
2.358		8072	9076
2.399		3243	2661
2.424		296019	193445
2.473		1810	1088
2.489		2634	1349
2.51		11481	12914
2.576		8463	10189
2.62		1075	1079
2.641		932	1017
2.678		2524	1507
2.713		13058	7473
2.734		5776	3300
2.774		202535	154697
2.812		2945	2597
2.885		1299	672
2.902		7306	6848
2.959	TCX	3609043	2477049
3.019		1487	861
3.107		960	634
3.156		26839	21299
3.18		1266	1076
3.212		881	503
3.227		829	310
3.243		2737	1565
3.263		1741	1134
3.288		10720	9290
3.356		447	370
3.388		779	548
3.417		696	516
3.45		1582	2440
3.5		2957	1790
3.517		6755	5022
3.594		847	1031
3.622		16016	13129
3.665		1867	1240
3.687		13538	8689
3.712		964	677
3.747		2337	2409
3.796		308	228
3.809		1300	1372
3.845		856	635
3.884		1950	1584
3.916		1422	1313
3.957		2044	1809

RT A	Compound A	Height A	Area A
4.028		1666	1677
4.067		1752	1508
4.098		1490	1007
4.123		1947	1361
4.174		1217	938
4.259		5721	6970
4.3		3882	4859
4.372		988	1014
4.415		4035	5046
4.448		3555	3230
4.489		726	496
4.515		494	327
4.551		2337	2462
4.603		3519	3408
4.665		12714	10873
4.694		253	135
4.714		3072	3374
4.751		1532	943
4.791		10895	11123
4.839		1082	952
4.877		13074	13814
4.936		5237	5957
4.988		20764	28733
5.038		2100	1633
5.076		11194	12870
5.124		1094	645
5.156		4417	5357
5.193		32989	33583
5.261		10113	9525
5.302		6690	6564
5.356		1748	2075
5.398		5824	4525
5.421		11194	9362
5.477		7598	7605
5.516		4106	3993
5.557		1754	1877
5.598		6439	6504
5.656		40634	35721
5.68		2707	2135
5.758		1817	1811
5.811		551	551
5.861		31234	28005
5.89		2364	1543
5.916		4825	5285
5.948		355	178
6.003		245	1018
6.052		17572	18192
6.115		18890	26853
6.172		1226	1215
6.2		469	188
6.232		731	1111
6.285		15337	14326
6.322		3253	4028
6.416		679	907
6.449		469	513
6.489		25323	27752
6.545		1339	1741
6.639	DCB	2748412	2875235
6.797		2300	5906
6.885		2019	1958
6.919		5240	6899
6.986		992	1258

LANCASTER LABORATORIES

Sample Number: BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:33:00 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.084.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.017		25652	31254
2.062		5942	4522
2.082		8192	3714
2.122		2484	2200
2.143		438498	260413
2.166		10029	5268
2.212		6375	3955
2.24		8258	8626
2.297		2377	1212
2.311		10068	6813
2.341		3537	2601
2.365		1653	916
2.381		2761	1346
2.419		9798	7473
2.461		91279	55441
2.487		270102	154365
2.526		24670	13466
2.578		4875	4317
2.617		12000	6945
2.642	TCX	5711881	3347243
2.733		2165	2658
2.761		7807	4856
2.788		2777	2279
2.839		2293	1800
2.859		47209	27508
2.928		3693	2853
2.948		5945	3715
2.975		12665	10239
3.021		4732	3450
3.052		4299	3739
3.083		347	274
3.095		4016	2822
3.118		1748	763
3.139		3897	2641
3.172		7965	6809
3.194		1754	781
3.21		10347	7031
3.234		1301	388
3.271		24436	16835
3.304		1285	833
3.347		21078	14809
3.387		4315	3146
3.405		1780	1393
3.433		2455	2268
3.485		2633	1616
3.559		2608	2837
3.634		1947	1715
3.668		3139	4495
3.704		5972	4429
3.77		3041	6907
3.832		1796	1217
3.859		5057	3584
3.907		5173	3037
3.931		4252	2771

RT B	Compound B	Height B	Area B
3.971		3533	2231
4.006		9033	6036
4.038		5821	8923
4.152		5833	5888
4.185		2082	1673
4.205		4363	2990
4.242		3282	2262
4.267		21097	19076
4.309		3582	3216
4.359		20621	20088
4.397		3187	2359
4.428		18516	13044
4.454		5391	4248
4.496		32065	27101
4.596		20634	24438
4.648		11313	9128
4.688		8851	10309
4.726		43478	37439
4.757		11629	8089
4.796		9892	8116
4.91		2430	1754
4.946		19102	14731
4.972		9831	7488
5.021		12352	12166
5.057		6450	5080
5.086		5869	5467
5.117		5517	3472
5.139		55544	46527
5.212		9189	7668
5.353		11090	9618
5.397		41709	42913
5.497		1699	3471
5.552		27388	22948
5.62		21291	16887
5.667		9416	7425
5.699		5804	4775
5.774		22315	22232
5.881		2106	3366
5.972		38221	33123
6.131	DCB	3930075	3410528
6.261		6616	18229
6.401		1942	3104
6.524		5030	19648
6.756		1569	1370
6.811		2117	3472

BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 80E

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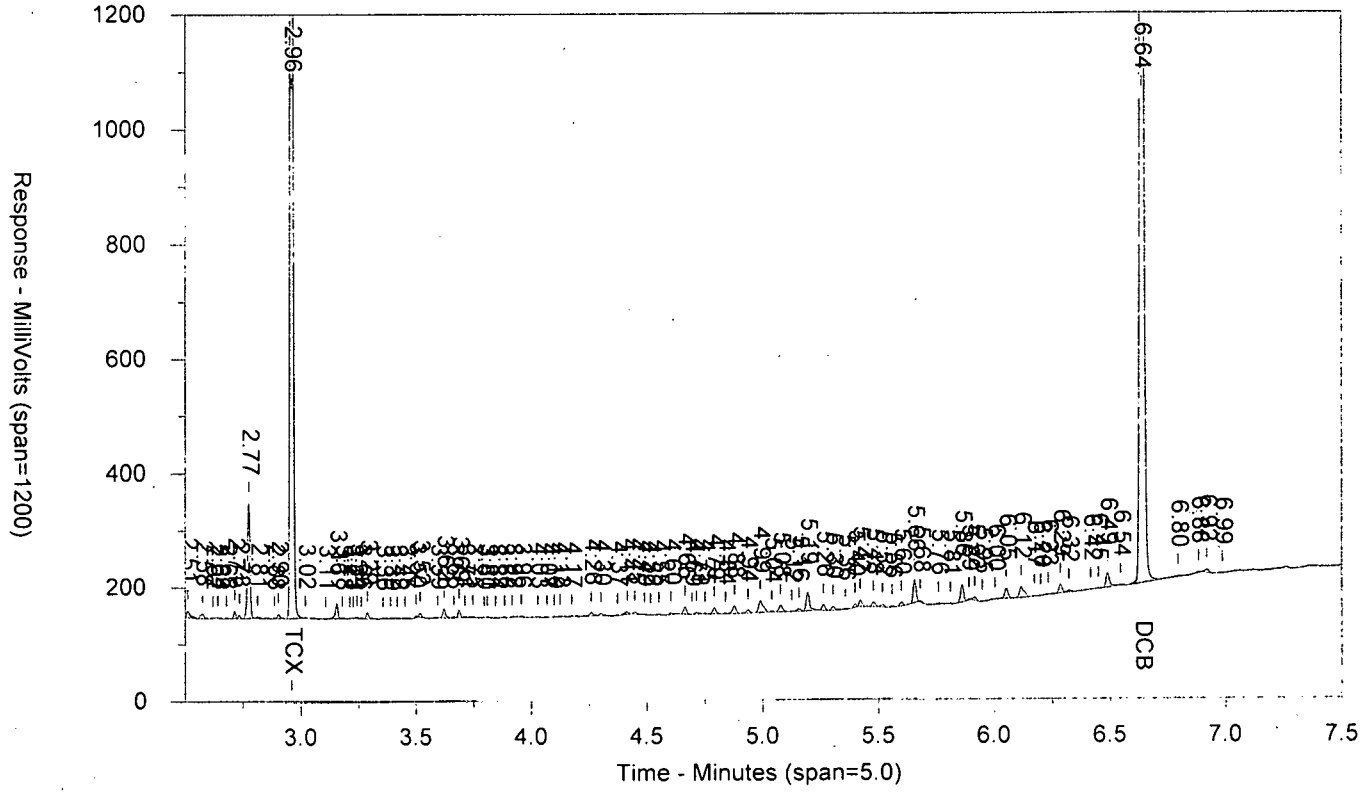

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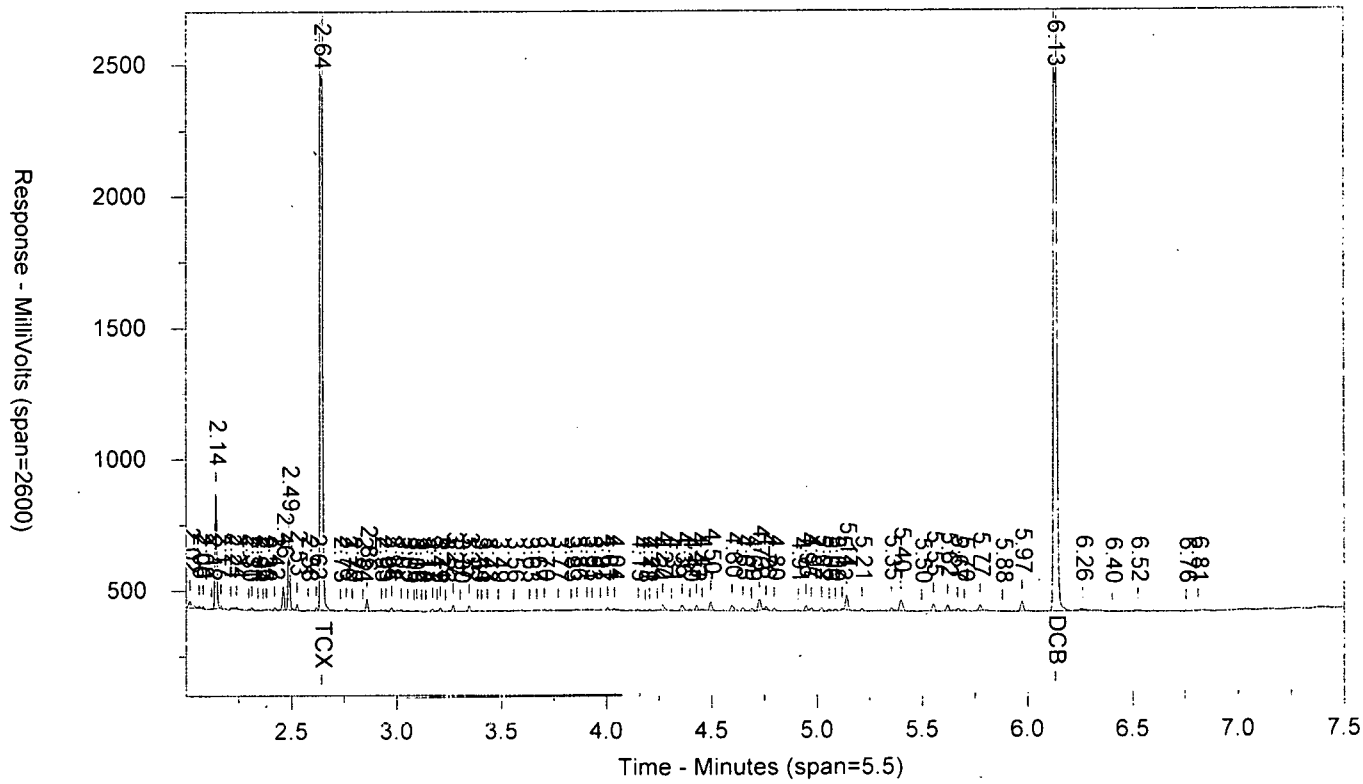

LANCASTER LABORATORIES

Sample Number: BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:33:00 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.959	3609043	31.751	TCX	2.642	5711881	31.955	TCX
6.639	2748412	25.81	DCB	6.131	3930075	26.028	DCB

Files:
Area File: 25PCBS17257004.084.RAW
Area File: 25PCBS17257004B.084.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:04:37 AM
File Reported On: 9/18/2017 at 10:13:50 AM

BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 808

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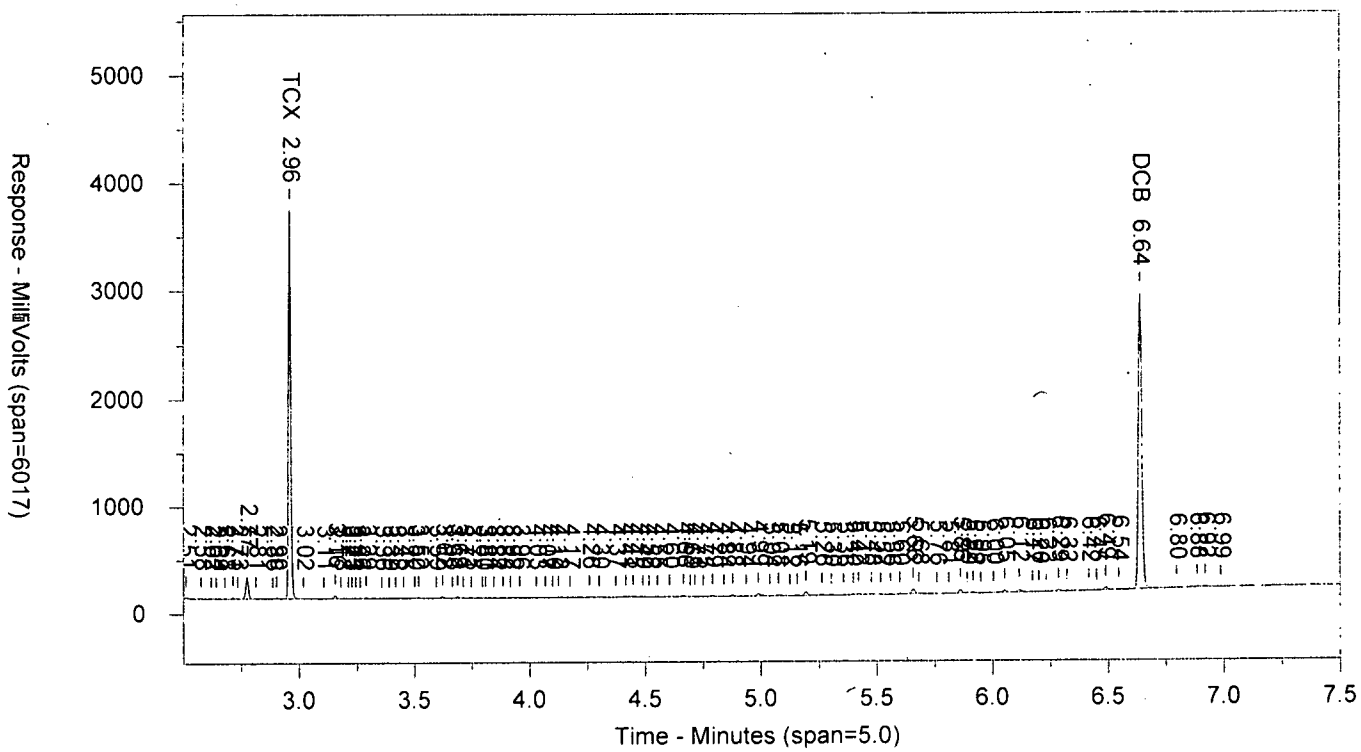

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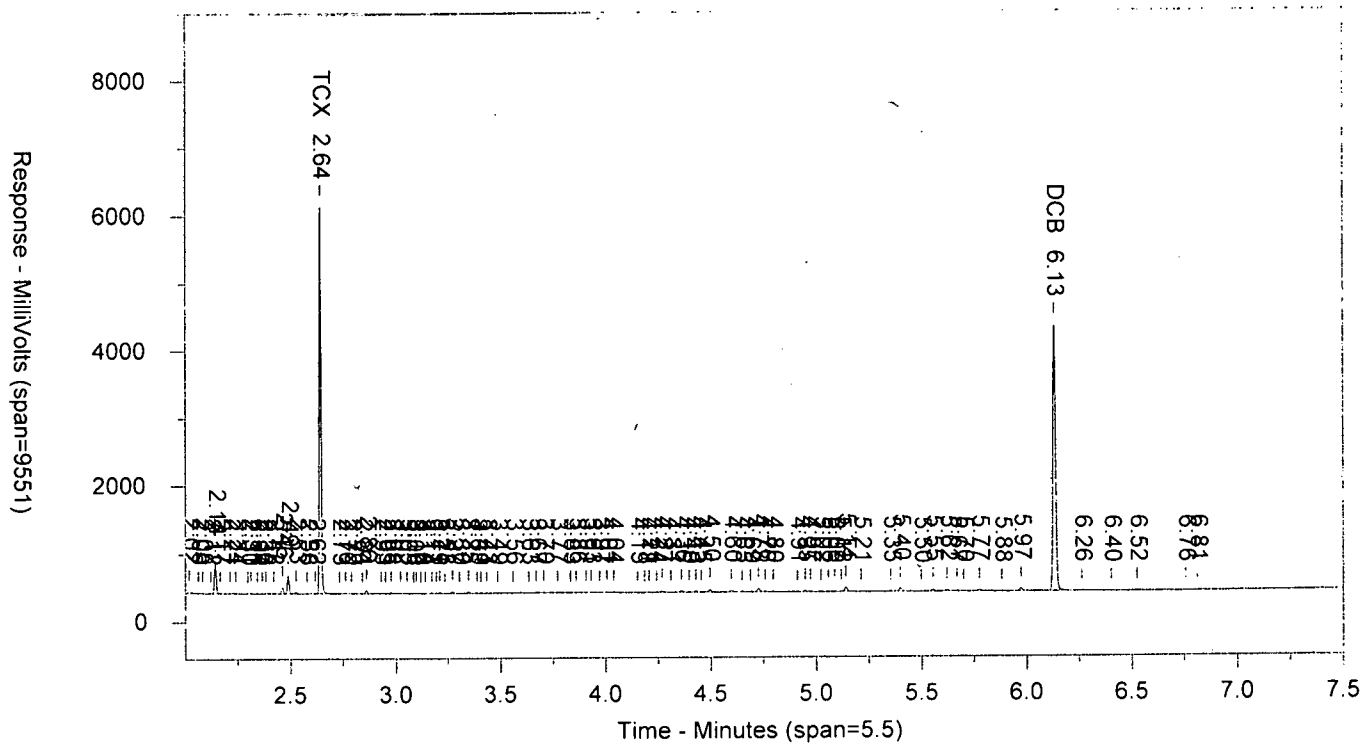

BLANKA 9/13/17 ACF ABPBLK11256 BLK 172560011A 10225 SW-846 80

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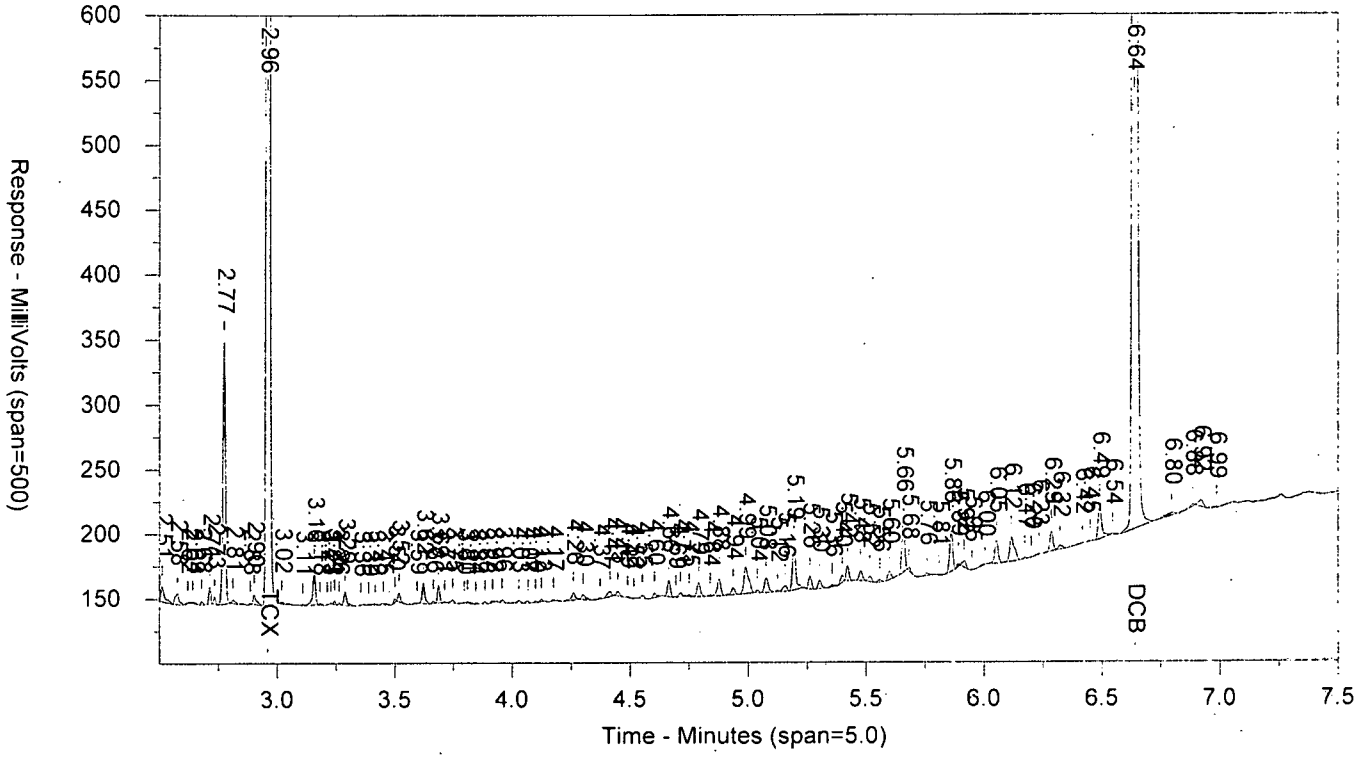

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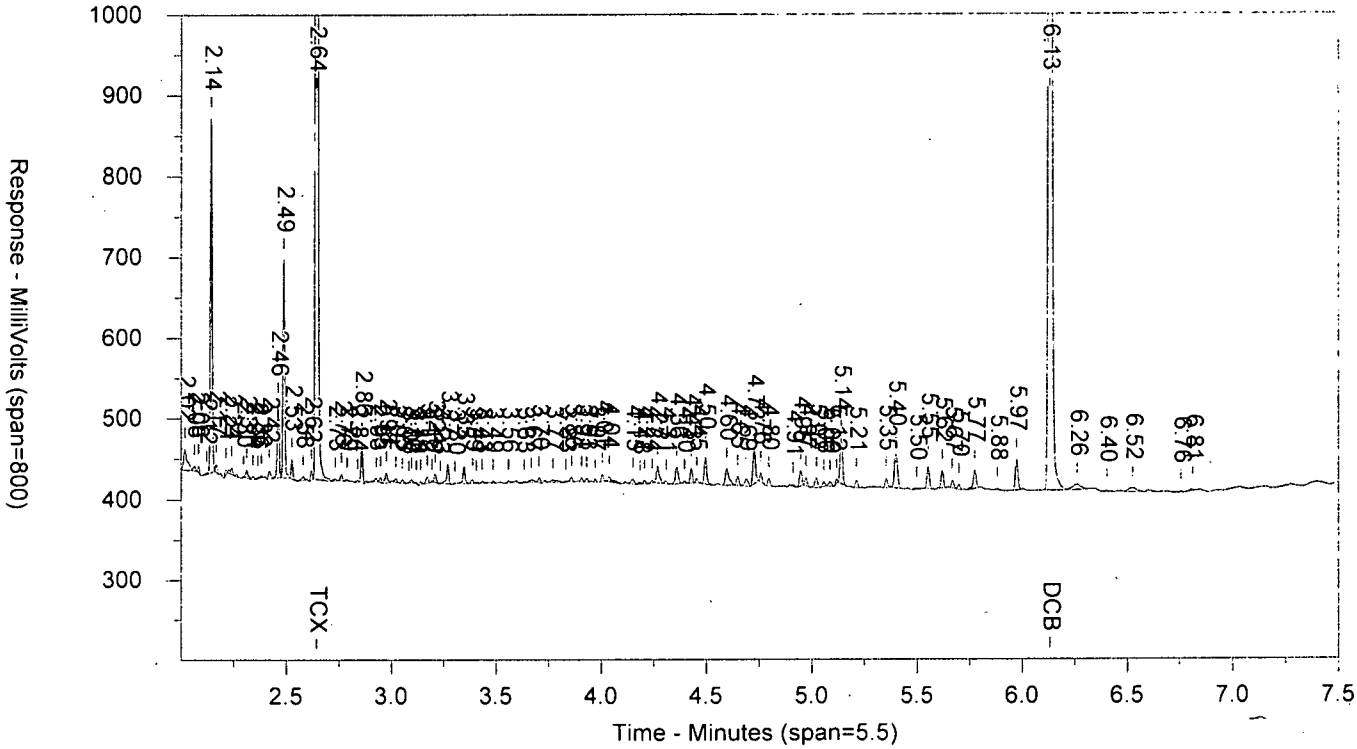

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Data Summary

Sample Name: 9202635 MS ACF DF20 -115W MS Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:57:05
Instrument	18274A
Result file	25PCBS17257004.102.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 70% (61 - 152) Conc: 20.72615
%SSR(DCB) 93% (48 - 164) Conc: 24.31553

Analysis Report (B)

Injected on	Sep 18, 2017 12:57:05
Instrument	18274B
Result file	25PCBS17257004B.102.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 77% (61 - 152) Conc: 22.63076
%SSR(DCB) 92% (48 - 164) Conc: 24.20412

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	121682	20.72615
Decachlorobiphenyl	6.61	6.64	6.67	133737	24.31553

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	208934	22.63076
Decachlorobiphenyl	6.10	6.13	6.16	188768	24.20412

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
Tetrachloro-m-xylene	B	22.63076				8.79	
Tetrachloro-m-xylene-D1	A	20.72615					
Tetrachloro-m-xylene-D2	B	22.63076					
Decachlorobiphenyl	A	24.31553				0.46	
Decachlorobiphenyl-D1	A	24.31553					
Decachlorobiphenyl-D2	B	24.20412					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**26.55**	
3.19	3.21	3.23	37415.08	390.397174			1
3.41	3.43	3.45	35395.88	367.295079			2
3.52	3.54	3.56	44460.42	366.868668			3
3.74	3.76	3.78	56332.36	371.117675			4
3.79	3.82	3.83	54569.97	410.362001			5
3.99	4.01	4.03	64562.48	655.710369			6
Height summation:			**292736.19**				
Concentration		CF:	**426.958494**	L:			
Aroclor-1254						**11.41**	
4.24	4.26	4.28	505825.6	3690.860262			1
4.39	4.41	4.43	695451.8	2973.304134			2
4.65	4.67	4.68	1171929	3597.806252			3
Height summation:			**2373206.4**				
Concentration		CF:	**3420.656883**	L:			
Aroclor-1260						**8.41**	
5.40	5.42	5.44	971796.4	5109.386027			4
5.64	5.66	5.68	3193146	6044.768485			5
5.84	5.86	5.88	1854293	5694.809439			6
Height summation:			**6019235.4**				
Concentration		CF:	**5616.321317**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**17.52**	
2.91	2.93	2.95	54238.85	355.898765			1
3.11	3.13	3.15	52804.96	420.798131			2
3.23	3.25	3.27	93428.33	517.255048			3
3.43	3.45	3.47	62948.34	332.966908			4
3.50	3.52	3.54	84700.59	418.685231			5
Height summation:			**348121.07**				
Concentration		CF:	**409.120817**	L:			
Aroclor-1254						**4.05**	
4.25	4.27	4.29	1573854	3442.08048			1
4.41	4.43	4.45	1054843	3336.79239			3
4.63	4.65	4.67	705215.2	3175.149482			5
Height summation:			**3333912.2**				
Concentration		CF:	**3318.007451**	L:			
Aroclor-1260						**10.37**	
4.93	4.95	4.97	1420134	4985.336388			4
5.12	5.14	5.16	4104957	6127.527466			5
5.38	5.40	5.42	2681010	5759.353143			6
Height summation:			**8206101**				
Concentration		CF:	**5624.072332**	L:			

Valerie L. Tomaylo
Principal Operations

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:33

9/21/2017

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Data Summary

Sample Name: 9202635 MS ACF DF20 -115W MS Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 12:57:05
Instrument	18274A
Result file	25PCBS17257004.102.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 12:57:05
Instrument	18274B
Result file	25PCBS17257004B.102.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
PCB-1016	A	426.958494	<987.4153	191.6747		4.27	4	
PCB-1221			<987.4153	<296.2246			3	
PCB-1232			<987.4153	<238.1413			4	
PCB-1242			<987.4153	<238.1413			4	
PCB-1248			<987.4153	<191.6747			4	
PCB-1254	A	3420.656883	987.4153	255.5663		3.05	4	
PCB-1260	B	5624.072332	987.4153	226.5247		0.14	4	
PCB-1262			<987.4153	<191.6747			4	
PCB-1268			<987.4153	<191.6747			4	
Total PCBs	A	9471.687709	987.4153	191.6747				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:33

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202635** MS ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274A
Result file : 25PCBS17257004.102.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : 70% (61-152) Conc.: 20.72615
%SSR(DCB) : 93% (48-164) Conc.: 24.31553

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**26.55**	
3.19	3.21	3.23	37415.08	390.397174			1
3.41	3.43	3.45	35395.88	367.295079			2
+ 3.41	3.44	3.45	17573.85	182.359886			2
3.52	3.54	3.56	44460.42	366.868668			3
3.74	3.76	3.78	56332.36	371.117675			4
3.79	3.82	3.83	54569.97	410.362001			5
3.99	4.01	4.03	64562.48	655.710369			6
Height Summation:			**292736.19**				
Amount Avg CF:			**426.958494**	Linear:			
Aroclor-1221					**3**	**46.97**	
3.09	3.11	3.13	5026.735	102.372654			1
3.14	3.16	3.18	8019.691	176.254237			2
3.19	3.21	3.23	37415.08	275.188356			3
Height Summation:			**50461.506**				
Amount Avg CF:			**184.605082**	Linear:			
Aroclor-1232					**6**	**46.29**	
3.19	3.21	3.23	37415.08	329.110063			1
3.40	3.43	3.44	35395.88	803.322081			2
3.52	3.54	3.56	44460.42	785.862896			3
3.73	3.76	3.77	56332.36	801.614718			4
3.79	3.82	3.83	54569.97	934.804198			5
3.99	4.01	4.03	64562.48	1578.771249			6
Height Summation:			**292736.19**				
Amount Avg CF:			**872.247534**	Linear:			
Aroclor-1242					**6**	**27.02**	
3.19	3.21	3.23	37415.08	277.2937			1
3.41	3.43	3.45	35395.88	271.747602			2
+ 3.41	3.44	3.45	17573.85	134.921115			2
3.52	3.54	3.56	44460.42	268.97833			3
3.74	3.76	3.78	56332.36	268.215867			4
3.80	3.82	3.84	54569.97	297.670073			5
3.99	4.01	4.03	64562.48	480.751516			6
Height Summation:			**292736.19**				
Amount Avg CF:			**310.776181**	Linear:			
Aroclor-1248					**6**	**103.78**	
3.74	3.76	3.78	56332.36	883.104215			1
3.80	3.82	3.84	54569.97	737.9956			2
3.86	3.89	3.90	98552.44	807.082268			3
3.99	4.01	4.03	64562.48	462.640573			4
4.08	4.10	4.12	103320.7	834.575687			5
4.26	4.26	4.30	505825.6	3996.197975			6
Height Summation:			**883163.55**				
Amount Avg CF:			**1286.93272**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274B
Result file : 25PCBS17257004B.102.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : 77% (61-152) Conc.: 22.63076
%SSR(DCB) : 92% (48-164) Conc.: 24.20412

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**53.57**	
2.91	2.93	2.95	54238.85	355.898765			1
3.11	3.13	3.15	52804.96	420.798131			2
+ 3.11	3.14	3.15	16752.82	133.501765			2
3.23	3.25	3.27	93428.33	517.255048			3
+ 3.43	3.43	3.47	18930.09	100.131211			4
3.43	3.45	3.47	62948.34	332.966908			4
3.50	3.52	3.54	84700.59	418.685231			5
3.54	3.56	3.58	147287.7	1072.709186			6
Height Summation:			**495408.77**				
Amount Avg CF:			**519.718878**	Linear:			
Aroclor-1221					**3**	**26.85**	
2.79	2.81	2.83	12790.97	146.504072			1
+ 2.85	2.86	2.89	2997.701	57.521098			2
2.85	2.87	2.89	10577.69	202.968988			2
2.91	2.93	2.95	54238.85	254.581423			3
Height Summation:			**77607.51**				
Amount Avg CF:			**201.351494**	Linear:			
Aroclor-1232					**6**	**74.95**	
2.91	2.93	2.95	54238.85	306.179207			1
3.11	3.13	3.15	52804.96	900.818182			2
+ 3.11	3.14	3.15	16752.82	285.792184			2
3.23	3.25	3.27	93428.33	1139.86504			3
+ 3.43	3.43	3.47	18930.09	218.934641			4
3.43	3.45	3.47	62948.34	728.024654			4
3.50	3.52	3.54	84700.59	944.880522			5
3.53	3.56	3.57	147287.7	2760.788519			6
Height Summation:			**495408.77**				
Amount Avg CF:			**1130.092687**	Linear:			
Aroclor-1242					**6**	**56.67**	
2.91	2.93	2.95	54238.85	261.175886			1
3.11	3.13	3.15	52804.96	359.253943			2
+ 3.11	3.14	3.15	16752.82	113.976351			2
3.23	3.25	3.27	93428.33	382.839339			3
+ 3.43	3.43	3.47	18930.09	73.942644			4
3.43	3.45	3.47	62948.34	245.88191			4
3.50	3.52	3.54	84700.59	316.590652			5
3.54	3.56	3.58	147287.7	858.594395			6
Height Summation:			**495408.77**				
Amount Avg CF:			**404.056021**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202635** MS ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274A
Result file : 25PCBS17257004.102.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	56.43	
4.24	4.26	4.28	505825.6	3690.860262			1
4.39	4.41	4.43	695451.8	2973.304134			2
4.65	4.67	4.68	1171929	3597.806252			3
4.86	4.88	4.90	826807.9	3480.700143			4
5.06	5.08	5.10	861726.1	4656.543882			5
5.17	5.19	5.21	2607100	10108.344462			6
Height Summation:			**6668840.4**				
Amount Avg CF:			**4751.259856**	Linear:			
Aroclor-1260					6	12.79	
4.97	4.99	5.01	1719917	5715.801968			1
5.17	5.19	5.21	2607100	7009.662027			2
5.24	5.26	5.28	892567.9	4961.056252			3
5.40	5.42	5.44	971796.4	5109.386027			4
5.64	5.66	5.68	3193146	6044.768485			5
5.84	5.86	5.88	1854293	5694.809439			6
Height Summation:			**11238820.3**				
Amount Avg CF:			**5755.914033**	Linear:			
Aroclor-1262					6	33.77	
5.25	5.26	5.29	892567.9	2968.15585			1
5.41	5.42	5.45	971796.4	3656.600764			2
E 5.64	5.66	5.68	3193146	4777.40925			3
E 5.85	5.86	5.89	1854293	4613.264523			4
5.90	5.92	5.94	319841	1618.465579			5
6.27	6.29	6.31	759735.8	3142.499728			6
Height Summation:			**7991380.1**				
Amount Avg CF:			**3462.732615**	Linear:			
Aroclor-1268					6	95.06	
5.84	5.86	5.88	1854293	2544.707292			1
5.90	5.92	5.94	319841	501.037218			2
6.03	6.05	6.07	21430.16	35.202197			3
+ 6.10	6.10	6.14	50188.67	314.553897			4
6.10	6.13	6.14	348127.5	2181.864191			4
6.27	6.29	6.31	759735.8	2842.031516			5
6.47	6.49	6.51	161525.3	79.546469			6
Height Summation:			**3464952.76**				
Amount Avg CF:			**1364.064814**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274B
Result file : 25PCBS17257004B.102.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	76.14	
+ 3.43	3.43	3.47	18930.09	249.655925			1
3.43	3.45	3.47	62948.34	830.18232			1
3.50	3.52	3.54	84700.59	732.619194			2
3.54	3.56	3.58	147287.7	760.774871			3
3.66	3.68	3.70	115482.2	481.053668			4
3.75	3.77	3.79	148228	902.583938			5
3.89	3.91	3.93	809778.4	2703.186932			6
Height Summation:			**1368425.23**				
Amount Avg CF:			**1068.400154**	Linear:			
Aroclor-1254					6	60.79	
+ 4.25	4.25	4.29	148515.7	324.809666			1
4.25	4.27	4.29	1573854	3442.08048			1
4.34	4.36	4.38	2064975	9613.042899			2
4.41	4.43	4.45	1054843	3336.79239			3
4.48	4.50	4.51	2482634	13142.051143			4
4.63	4.65	4.67	705215.2	3175.149482			5
4.71	4.73	4.75	3124650	8886.666639			6
Height Summation:			**11006171.2**				
Amount Avg CF:			**6932.630506**	Linear:			
Aroclor-1260					6	15.81	
4.47	4.50	4.51	2482634	5783.29193			1
4.58	4.60	4.62	1716569	5041.158479			2
4.71	4.73	4.75	3124650	7528.174644			3
4.93	4.95	4.97	1420134	4985.336388			4
5.12	5.14	5.16	4104957	6127.527466			5
5.38	5.40	5.42	2681010	5759.353143			6
Height Summation:			**15529954**				
Amount Avg CF:			**5870.807008**	Linear:			
Aroclor-1262					6	31.59	
4.74	4.76	4.78	1045793	2506.995762			1
4.93	4.95	4.97	1420134	3411.694336			2
+ 4.93	4.97	4.97	486225.1	1168.094996			2
E 5.12	5.14	5.16	4104957	4659.759291			3
5.34	5.35	5.38	676114	1998.180306			4
E 5.38	5.40	5.42	2681010	4539.954731			5
5.76	5.77	5.80	1032678	3164.208826			6
Height Summation:			**10960686**				
Amount Avg CF:			**3380.132209**	Linear:			
Aroclor-1268					6	124.14	
5.33	5.35	5.37	676114	685.937065			1
5.38	5.40	5.42	2681010	2771.902896			2
5.53	5.55	5.57	65724.95	81.083397			3
5.60	5.62	5.64	16511.55	78.055966			4
5.75	5.77	5.79	1032678	2823.258052			5
5.95	5.97	5.99	215535.2	71.290083			6
Height Summation:			**4687573.7**				
Amount Avg CF:			**1085.254577**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202635** MS ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.33 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274A
Result file : 25PCBS17257004.102.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 12:57:05
Instrument : CP25--18274B
Result file : 25PCBS17257004B.102.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			987.4153	191.6747		19.60	4	40	
Aroclor-1221			987.4153	296.2246		8.68	3	5	
Aroclor-1232			987.4153	238.1413		25.75	4	10	
Aroclor-1242			987.4153	238.1413		26.10	4	30	
Aroclor-1248			987.4153	191.6747		18.56	4	40	
Aroclor-1254			987.4153	255.5663		37.34	4	40	
Aroclor-1260			987.4153	226.5247		1.98	4	40	
Aroclor-1262			987.4153	191.6747	E	2.41	4	40	
Aroclor-1268			987.4153	191.6747		22.77	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:57:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.102.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.018		1236	902
2.04		951	947
2.077		6193	7029
2.102		5663	8629
2.165		5079	4421
2.234		25284	17182
2.308		1762	1693
2.361		2555	2737
2.408		2667	6330
2.483		563	416
2.515		3282	4154
2.571		1072	882
2.587		647	752
2.666		2942	1450
2.682		17116	11182
2.734		1121	1807
2.765		730	480
2.788		1414	1758
2.836		1583	1404
2.878		987	646
2.919		1924	2339
2.96	TCX	121682	85134
3.019		740	946
3.05		1180	698
3.067		1293	712
3.107		5027	4210
3.132		1280	876
3.163		8020	6012
3.21		37415	27643
3.263		22524	13748
3.28		13204	7101
3.304		3500	2020
3.37		1583	1484
3.427		35396	21494
3.443		17574	9625
3.481		4468	2667
3.508		3315	2883
3.542		44460	34355
3.594		1696	1166
3.617		3019	2052
3.651		10727	7292
3.667		6530	3526
3.71		20615	11853
3.721		53066	30985
3.758		56332	46641
3.816		54570	40991
3.857		7992	5655
3.886		98552	73780
3.913		75482	52089
3.936		67617	43985
4.009		64562	45151
4.034		38350	26558
4.066		59795	45523
4.099		103321	91168

RT A	Compound A	Height A	Area A
4.14		21566	19770
4.174		7564	9191
4.225		21271	16250
4.26		505826	496892
4.303		236710	220612
4.372		162089	138704
4.415		695452	746657
4.449		337996	282882
4.49		37003	26282
4.512		49224	35398
4.553		218994	210718
4.604		203025	148591
4.621		83589	99483
4.666		1171929	1048906
4.715		472629	526027
4.75		109912	75207
4.791		1278060	1243738
4.837		92063	83453
4.877		826808	826029
4.91		13282	7404
4.938		356362	354590
4.99		1719917	2219039
5.042		254999	225457
5.08		861726	976068
5.123		62854	41882
5.161		188453	243932
5.193		2607100	2629214
5.236		38598	18618
5.261		892568	835722
5.304		598718	593935
5.374		4757	4161
5.398		409987	323342
5.421		971796	838389
5.479		573261	537533
5.517		337229	333510
5.56		40017	40665
5.599		384300	412450
5.632		7247	4192
5.656		3193146	3088219
5.743		1453	1023
5.759		6877	7191
5.804		3373	3332
5.86		1854293	1783043
5.891		126050	79315
5.916		319841	358766
5.959		1297	1165
6.027		23433	18730
6.053		21430	18064
6.103		50189	39805
6.131		348128	336011
6.167		1580	1023
6.197		8742	7223
6.233		1975	1451
6.259		8576	5381
6.286		759736	763636
6.332		60161	57854
6.385		758	1120
6.404		3110	2827
6.457		772	581
6.49		161525	186122
6.613		4953	5377
6.64	DCB	133737	136522
6.675		6786	5078
6.7		2987	2057
6.76		634	386
6.772		809	310

RT A	Compound A	Height A	Area A
6.803		1020	1445
6.827		860	315
6.885		81773	136523
6.972		668	270

LANCASTER LABORATORIES

Sample Number: 9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:57:05 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.102.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.012		17184	30795
2.053		6508	3965
2.073		11081	11754
2.096		11535	7983
2.13		14085	27750
2.193		5314	6522
2.216		3796	1972
2.238		5098	3580
2.257		6068	2933
2.275		5538	7827
2.316		4415	5183
2.337		9890	11008
2.372		5707	5188
2.392		33185	19499
2.458		5945	6021
2.473		3420	2337
2.517		7891	7846
2.563		10209	11758
2.592		3732	2602
2.621		2505	1492
2.642	TCX	208934	127570
2.669		7070	5114
2.683		3650	8356
2.731		13536	27307
2.788		4544	5584
2.812		12791	7630
2.835		5278	3403
2.86		2998	2746
2.874		10578	5614
2.895		2071	892
2.925		54239	35207
2.948		30268	12837
2.981		4011	4395
3.016		2547	1310
3.037		9711	8883
3.069		1412	615
3.096		5150	5697
3.132		52805	26438
3.143		16753	6720
3.171		722	191
3.183		8159	4882
3.207		4228	1738
3.23		6320	3239
3.254		93428	92541
3.296		16694	13928
3.337		21111	11588
3.352		10527	5275
3.382		6693	3826
3.402		41436	19962
3.413		85861	39090
3.433		18930	8103
3.447		62948	43714
3.482		2438	1937
3.521		84701	56561

RT B	Compound B	Height B	Area B
3.556		147288	89580
3.579		144225	77993
3.598		126274	74083
3.683		115482	82346
3.707		64685	36059
3.728		100841	70173
3.773		148228	117064
3.814		37965	28088
3.855		24766	20352
3.884		66719	39166
3.906		809778	543029
3.932		247307	149277
3.951		140116	75741
3.97		199781	126955
4.005		1088307	754943
4.037		532071	528311
4.076		62603	41534
4.117		106702	91864
4.151		342427	280123
4.207		498320	363751
4.25		148516	150966
4.268		1573855	1492993
4.306		339605	320706
4.359		2064975	1638958
4.396		150145	135197
4.429		1054843	717598
4.453		574774	412565
4.495		2482634	1984786
4.598		1716569	1741121
4.649		705215	580276
4.689		638544	581304
4.726		3124650	2589260
4.757		1045793	723670
4.797		793790	622372
4.856		18369	24507
4.896		260043	322820
4.947		1420134	1111503
4.971		486225	341816
5.021		874642	793866
5.056		429035	337806
5.085		304349	250270
5.118		233979	142967
5.14		4104957	3235005
5.181		88227	63847
5.213		118556	100568
5.277		8176	7859
5.311		4453	3001
5.33		35367	21222
5.353		676114	553925
5.398		2681010	2737056
5.499		4386	4904
5.551		65725	56966
5.597		92667	78937
5.62		16512	9519
5.642		54590	37638
5.67		436273	357670
5.709		7441	6704
5.747		16824	11451
5.774		1032678	856618
5.805		68678	52194
5.885		3064	4606
5.972		215535	196006
6.027		3049	3265
6.132	DCB	188768	184784
6.166		14388	12144
6.26		8264	17762

RT B	Compound B	Height B	Area B
6.308		4327	2609
6.337		31285	27731
6.373		3560	2970
6.399		4762	3085
6.437		3027	3203
6.474		2012	1861
6.499		3173	2539
6.577		119702	140323
6.653		5603	5844
6.764		2479	2306
6.809		2372	1700
6.831		2311	3759
6.935		1846	1814

9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082

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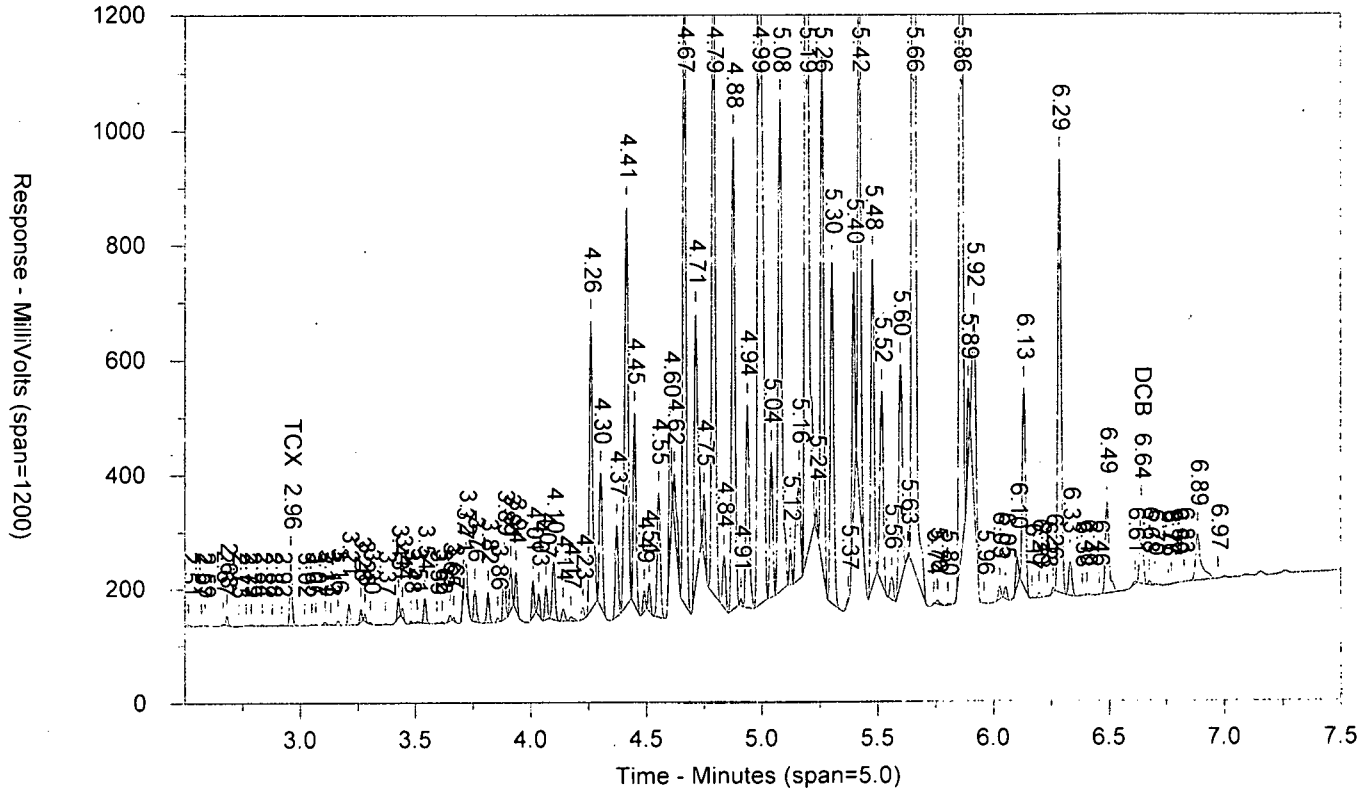

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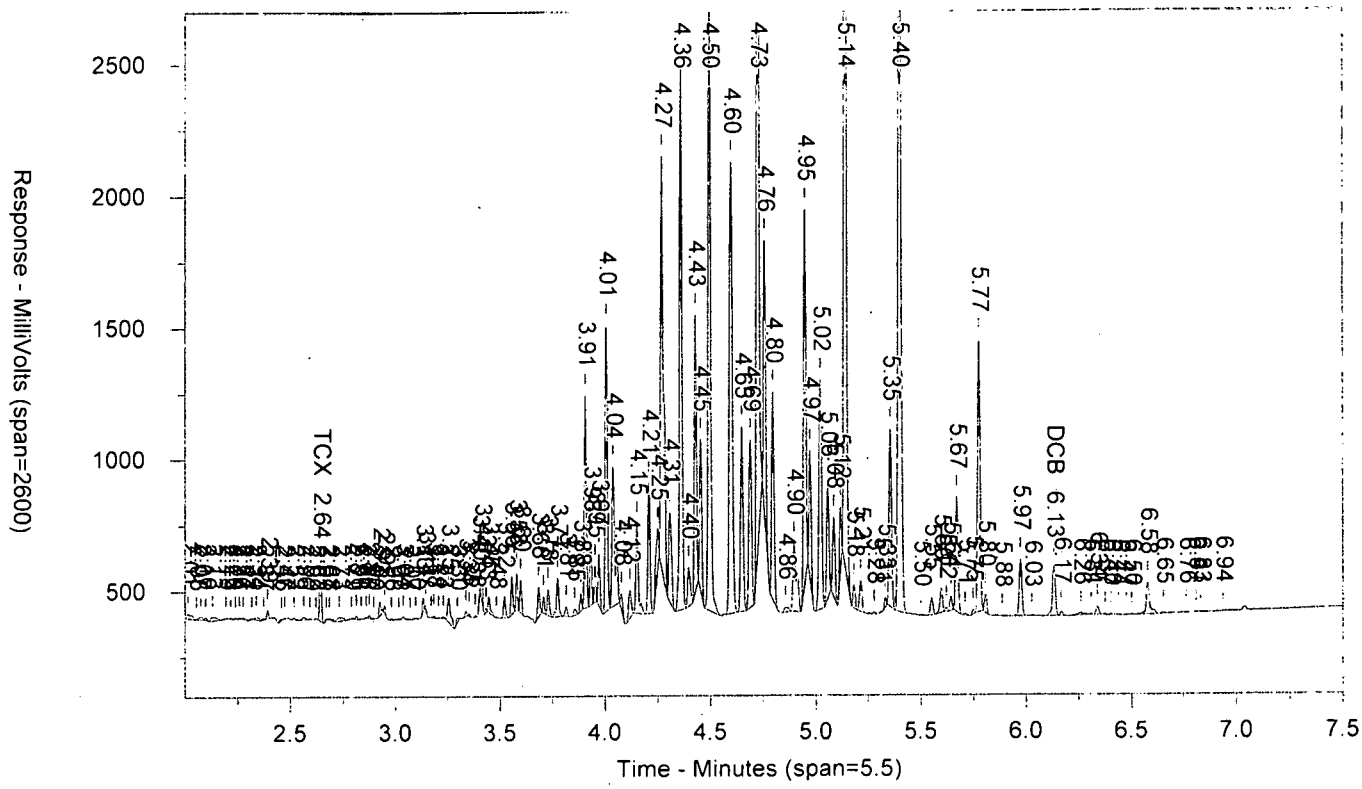

LANCASTER LABORATORIES

Sample Number: 9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 12:57:05 PM Sample Weight: 10.33
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	121682	20.726	TCX	2.642	208934	22.631	TCX
6.64	133737	24.316	DCB	6.132	188768	24.204	DCB

Files:
Area File: 25PCBS17257004.102.RAW
Area File: 25PCBS17257004B.102.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 1:05:36 PM
File Reported On: 9/18/2017 at 1:05:56 PM

9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082

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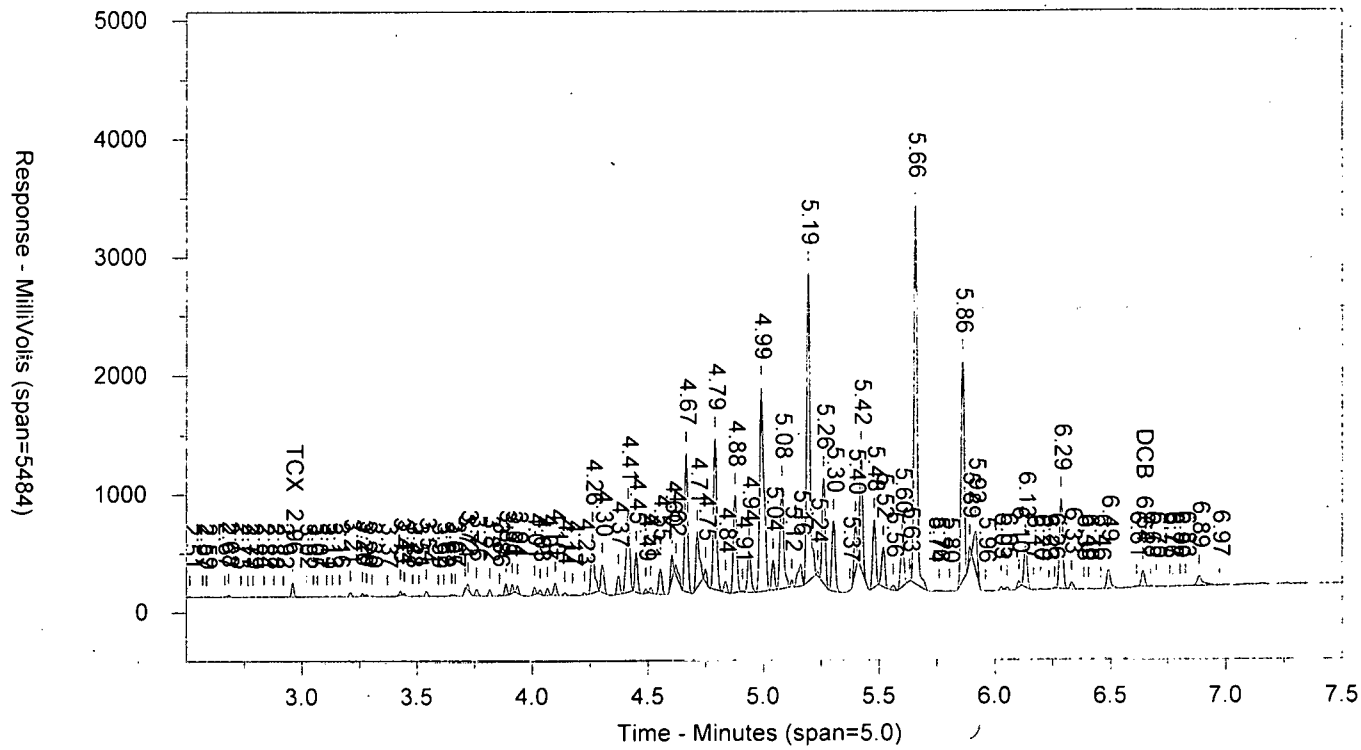

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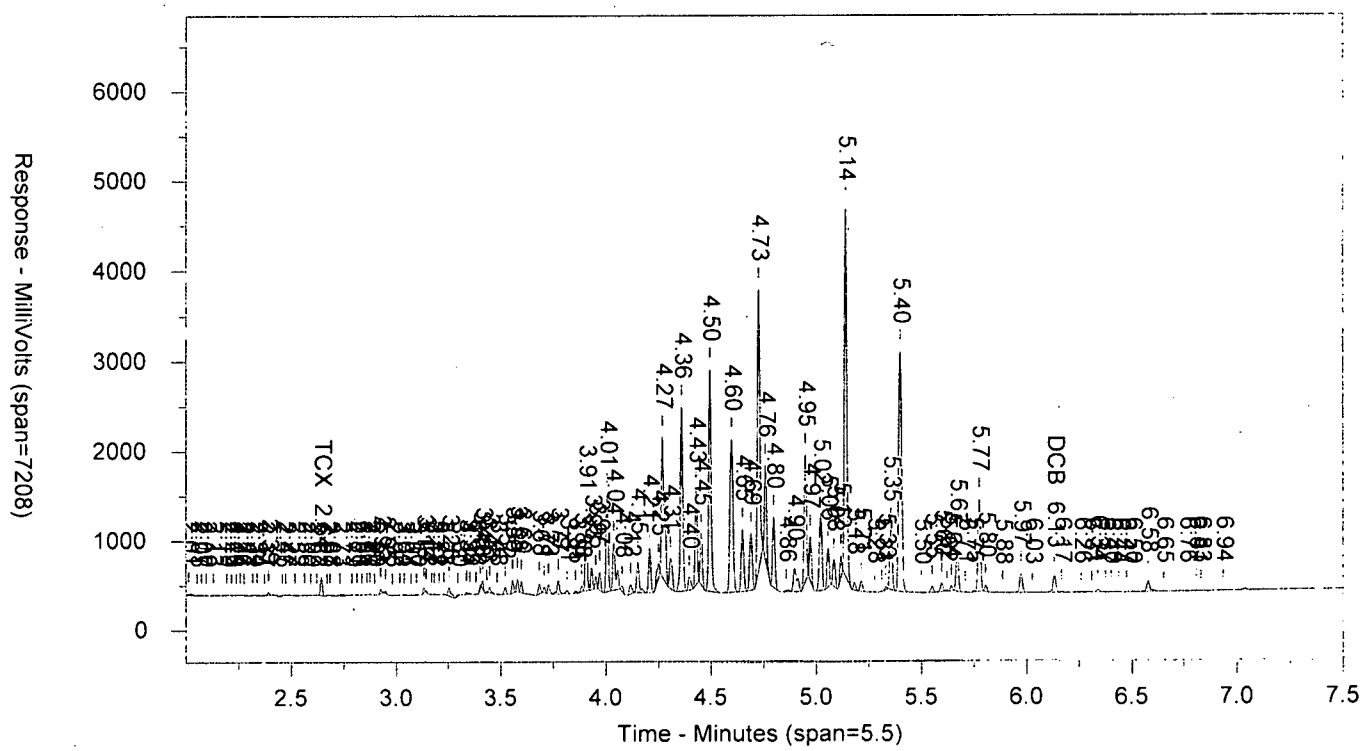

9202635MS ACF DF20 AC-115W MS 172560011A 10225 SW-846 8082

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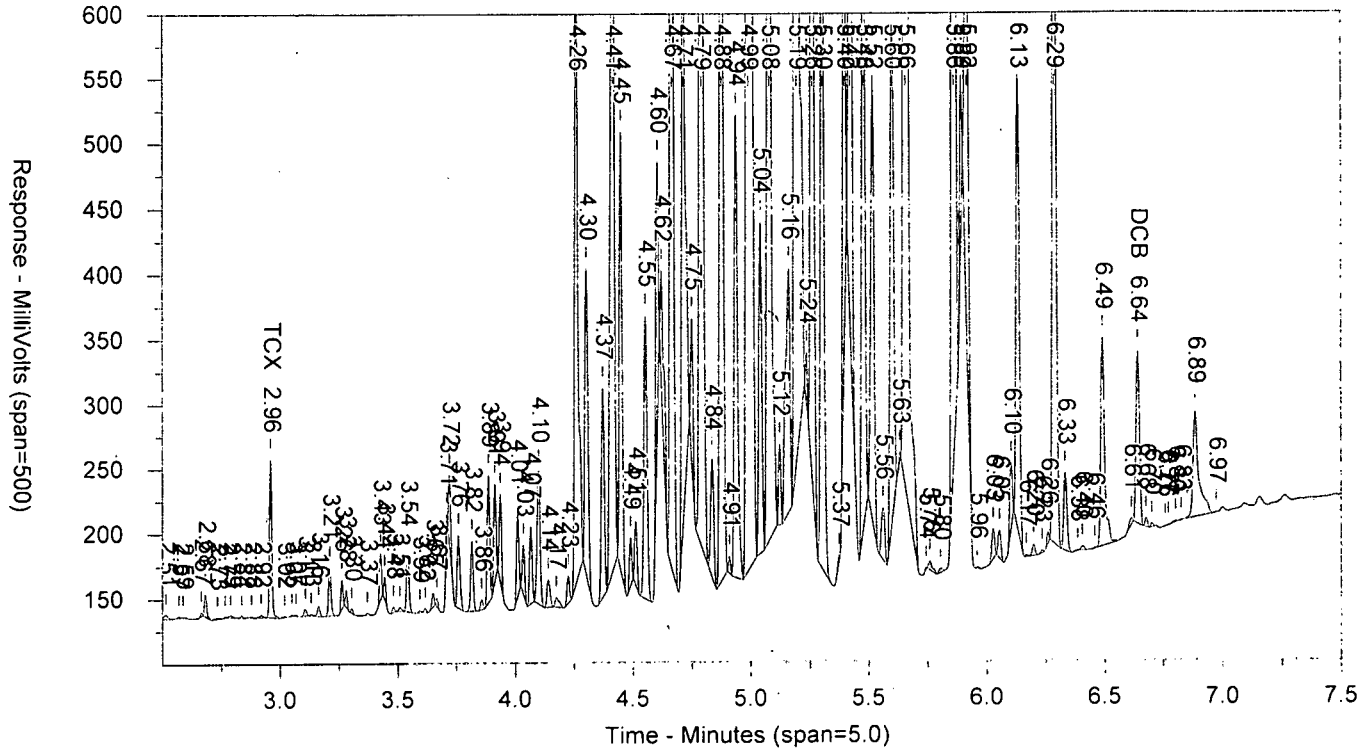

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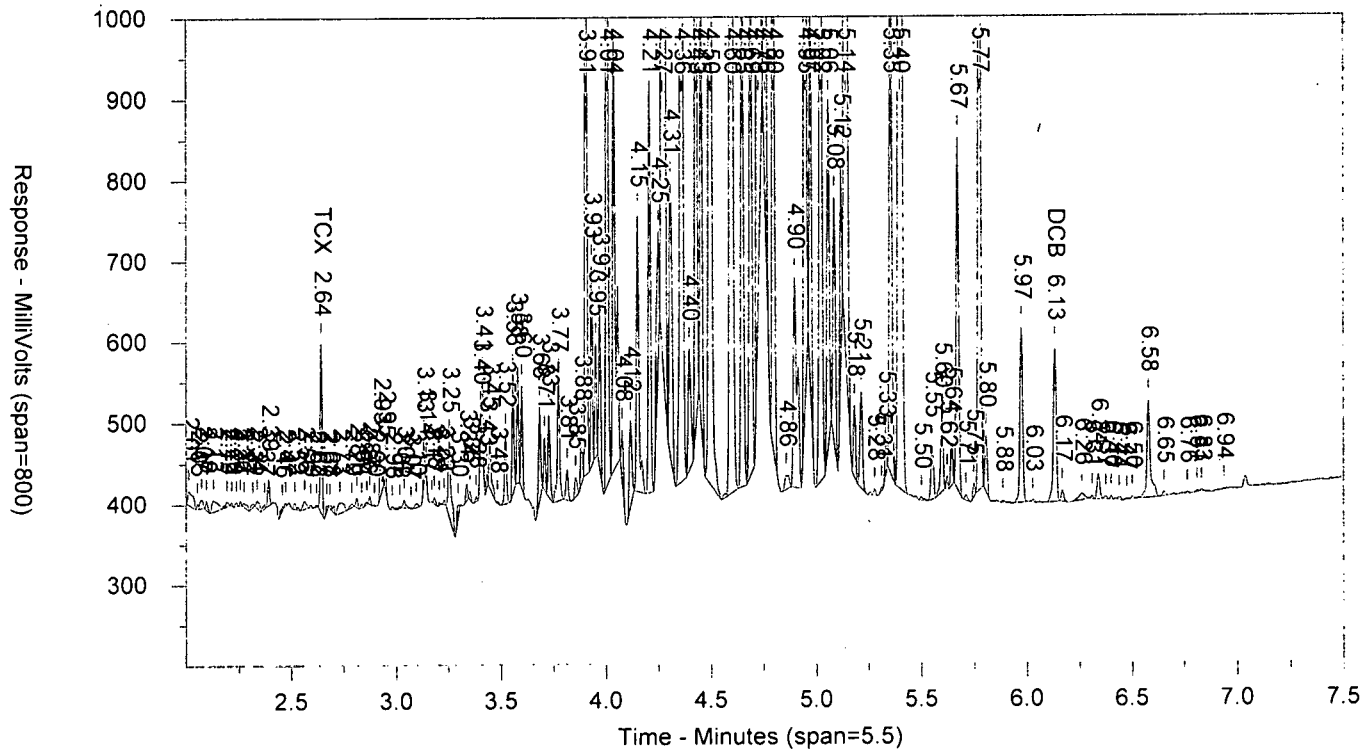

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Data Summary

Sample Name: 9202636 MSD ACF DF20 -115W MSD Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 13:08:49
Instrument	18274A
Result file	25PCBS17257004.103.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) * 44% (61 - 152) Conc: 13.42012
%SSR(DCB) 53% (48 - 164) Conc: 14.3664

Analysis Report (B)

Injected on	Sep 18, 2017 13:08:49
Instrument	18274B
Result file	25PCBS17257004B.103.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) * 50% (61 - 152) Conc: 15.15809
%SSR(DCB) 57% (48 - 164) Conc: 15.38409

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	76730	13.42012
Decachlorobiphenyl	6.61	6.64	6.67	76951	14.3664

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	136286	15.15809
Decachlorobiphenyl	6.10	6.13	6.16	116844	15.38409

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	15.15809				12.16	
☐ Tetrachloro-m-xylene-D1	A	13.42012					
☐ Tetrachloro-m-xylene-D2	B	15.15809					
☐ Decachlorobiphenyl	B	15.38409				6.84	
☐ Decachlorobiphenyl-D1	A	14.3664					
☐ Decachlorobiphenyl-D2	B	15.38409					

Multiple Component Data

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**10.11**	
3.19	3.21	3.23	24380.41	261.21814			1
3.41	3.43	3.45	22745.27	242.357148			2
3.52	3.54	3.56	27069.88	229.364253			3
3.74	3.76	3.78	34004.29	230.032789			4
3.79	3.82	3.83	32313.47	249.516553			5
3.99	4.01	4.03	28510.99	297.335309			6
Height summation:			**169024.31**				
Concentration		CF:	**251.637365**	L:			
Aroclor-1254						**15.70**	
4.24	4.26	4.28	179458.4	1344.599451			1
4.39	4.42	4.43	235944	1035.818296			2
4.65	4.67	4.68	328087.1	1034.255803			3
Height summation:			**743489.5**				
Concentration		CF:	**1138.224517**	L:			
Aroclor-1260						**6.74**	
5.40	5.42	5.44	361813.4	1953.35158			4
5.64	5.66	5.68	1146545	2228.714001			5
5.84	5.86	5.88	649204.4	2047.314832			6
Height summation:			**2157562.8**				
Concentration		CF:	**2076.460138**	L:			

Min	RT	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016						**16.50**	
2.91	2.92	2.95	43950.42	296.129299			1
3.11	3.13	3.15	33172.58	271.444268			2
3.23	3.25	3.27	58924.19	334.982496			3
3.43	3.45	3.47	39320.99	213.571636			4
3.50	3.52	3.54	50370.56	255.670326			5
Height summation:			**225738.74**				
Concentration		CF:	**274.359605**	L:			
Aroclor-1254						**2.89**	
4.25	4.27	4.29	417798.4	938.265379			1
4.41	4.43	4.45	275858	896.043895			3
4.63	4.65	4.67	192532.6	890.121166			5
Height summation:			**886189**				
Concentration		CF:	**908.14348**	L:			
Aroclor-1260						**6.13**	
4.93	4.95	4.97	516541.5	1861.970101			4
5.12	5.14	5.16	1353402	2074.463554			5
5.38	5.40	5.42	940506.5	2074.624093			6
Height summation:			**2810450**				
Concentration		CF:	**2003.685916**	L:			

Valerie L. Tomaszko
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:35

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Data Summary

Sample Name: 9202636 MSD ACF DF20 -115W MSD Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 13:08:49
Instrument	18274A
Result file	25PCBS17257004.103.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 13:08:49
Instrument	18274B
Result file	25PCBS17257004B.103.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	274.359605	<1013.9165	196.8191		8.64	4	
☐ PCB-1221			<1013.9165	<304.175			3	
☐ PCB-1232			<1013.9165	<244.5328			4	
☐ PCB-1242			<1013.9165	<244.5328			4	
☐ PCB-1248			<1013.9165	<196.8191			4	
☐ PCB-1254	A	1138.224517	1013.9165	262.4254		22.49	4	
☐ PCB-1260	A	2076.460138	1013.9165	232.6044		3.57	4	
☐ PCB-1262			<1013.9165	<196.8191			4	
☐ PCB-1268			<1013.9165	<196.8191			4	
☐ Total PCBs	A	3489.044259	1013.9165	196.8191				

Units: ug/kg

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

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:35

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202636** MSD ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274A
Result file : 25PCBS17257004.103.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

%SSR(TCX) : *44% (61-152) Conc.: 13.42012
%SSR(DCB) : 53% (48-164) Conc.: 14.3664

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**10.11**	
3.19	3.21	3.23	24380.41	261.21814			1
3.41	3.43	3.45	22745.27	242.357148			2
3.52	3.54	3.56	27069.88	229.364253			3
3.74	3.76	3.78	34004.29	230.032789			4
3.79	3.82	3.83	32313.47	249.516553			5
3.99	4.01	4.03	28510.99	297.335309			6
Height Summation:			**169024.31**				
Amount Avg CF:			**251.637365**	Linear:			
Aroclor-1221					**3**	**49.43**	
3.09	3.11	3.13	3273.539	68.456995			1
3.14	3.16	3.18	4684.933	105.727425			2
3.19	3.21	3.23	24380.41	184.130919			3
Height Summation:			**32338.882**				
Amount Avg CF:			**119.438446**	Linear:			
Aroclor-1232					**6**	**32.06**	
3.19	3.21	3.23	24380.41	220.210402			1
3.40	3.43	3.44	22745.27	530.066585			2
3.52	3.54	3.56	27069.88	491.317117			3
3.73	3.76	3.77	34004.29	496.871159			4
3.79	3.82	3.83	32313.47	568.39844			5
3.99	4.01	4.03	28510.99	715.902111			6
Height Summation:			**169024.31**				
Amount Avg CF:			**503.794302**	Linear:			
Aroclor-1242					**6**	**10.22**	
3.19	3.21	3.23	24380.41	185.539623			1
3.41	3.43	3.45	22745.27	179.310798			2
+ 3.41	3.45	3.45	11017.05	86.852169			2
3.52	3.54	3.56	27069.88	168.163758			3
3.74	3.76	3.78	34004.29	166.250351			4
3.80	3.82	3.84	32313.47	180.995342			5
3.99	4.01	4.03	28510.99	217.999299			6
Height Summation:			**169024.31**				
Amount Avg CF:			**183.043195**	Linear:			
Aroclor-1248					**6**	**80.52**	
3.74	3.76	3.78	34004.29	547.381435			1
3.80	3.82	3.84	32313.47	448.73092			2
3.86	3.89	3.90	41236.29	346.76268			3
3.99	4.01	4.03	28510.99	209.786797			4
4.08	4.10	4.12	43572.65	361.405455			5
4.26	4.26	4.30	179458.4	1455.835557			6
Height Summation:			**359096.09**				
Amount Avg CF:			**561.650474**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274B
Result file : 25PCBS17257004B.103.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

%SSR(TCX) : *50% (61-152) Conc.: 15.15809
%SSR(DCB) : 57% (48-164) Conc.: 15.38409

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**30.33**	
2.91	2.92	2.95	43950.42	296.129299			1
3.11	3.13	3.15	33172.58	271.444268			2
+ 3.11	3.14	3.15	12328.89	100.884722			2
3.23	3.25	3.27	58924.19	334.982496			3
+ 3.43	3.43	3.47	10152.46	55.143004			4
3.43	3.45	3.47	39320.99	213.571636			4
3.50	3.52	3.54	50370.56	255.670326			5
3.54	3.56	3.58	64350.18	481.246547			6
Height Summation:			**290088.92**				
Amount Avg CF:			**308.840762**	Linear:			
Aroclor-1221					**3**	**45.86**	
2.79	2.81	2.83	7683.277	90.363917			1
+ 2.85	2.86	2.89	1656.838	32.645343			2
2.85	2.87	2.89	5901.792	116.285373			2
2.91	2.92	2.95	43950.42	211.827142			3
Height Summation:			**57535.489**				
Amount Avg CF:			**139.492144**	Linear:			
Aroclor-1232					**6**	**51.77**	
2.91	2.92	2.95	43950.42	254.759619			1
3.11	3.13	3.15	33172.58	581.090823			2
+ 3.11	3.14	3.15	12328.89	215.967671			2
3.23	3.25	3.27	58924.19	738.194508			3
+ 3.43	3.43	3.47	10152.46	120.568937			4
3.43	3.45	3.47	39320.99	466.969579			4
3.50	3.52	3.54	50370.56	576.99172			5
3.53	3.56	3.57	64350.18	1238.564895			6
Height Summation:			**290088.92**				
Amount Avg CF:			**642.761857**	Linear:			
Aroclor-1242					**6**	**32.79**	
2.91	2.92	2.95	43950.42	217.314134			1
3.11	3.13	3.15	33172.58	231.743956			2
+ 3.11	3.14	3.15	12328.89	86.129741			2
3.23	3.25	3.27	58924.19	247.932771			3
+ 3.43	3.43	3.47	10152.46	40.720765			4
3.43	3.45	3.47	39320.99	157.713577			4
3.50	3.52	3.54	50370.56	193.326226			5
3.54	3.56	3.58	64350.18	385.188822			6
Height Summation:			**290088.92**				
Amount Avg CF:			**238.869914**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202636** MSD ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274A
Result file : 25PCBS17257004.103.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	59.38	
4.24	4.26	4.28	179458.4	1344.599451			1
4.39	4.42	4.43	235944	1035.818296			2
4.65	4.67	4.68	328087.1	1034.255803			3
4.86	4.88	4.90	231855.8	1002.264386			4
5.06	5.08	5.10	304058.9	1687.153176			5
5.17	5.20	5.21	864768.1	3442.899494			6
Height Summation:			**2144172.3**				
Amount Avg CF:			**1591.165101**	Linear:			
Aroclor-1260					6	7.86	
4.97	4.99	5.01	636536.8	2172.178655			1
5.17	5.20	5.21	864768.1	2387.489063			2
5.24	5.26	5.28	346156.5	1975.639585			3
5.40	5.42	5.44	361813.4	1953.35158			4
5.64	5.66	5.68	1146545	2228.714001			5
5.84	5.86	5.88	649204.4	2047.314832			6
Height Summation:			**4005024.2**				
Amount Avg CF:			**2127.447953**	Linear:			
Aroclor-1262					6	30.48	
5.25	5.26	5.29	346156.5	1182.007599			1
5.41	5.42	5.45	361813.4	1397.942305			2
5.64	5.66	5.68	1146545	1761.437003			3
5.85	5.86	5.89	649204.4	1658.493578			4
5.90	5.92	5.94	124786.6	648.394952			5
6.27	6.29	6.31	284965.7	1210.340559			6
Height Summation:			**2913471.6**				
Amount Avg CF:			**1309.769333**	Linear:			
Aroclor-1268					6	94.71	
5.84	5.86	5.88	649204.4	914.836052			1
5.90	5.92	5.94	124786.6	200.727162			2
6.03	6.06	6.07	8073.21	13.617361			3
+ 6.10	6.11	6.14	19473.73	125.32591			4
6.10	6.13	6.14	126571.1	814.566			4
6.27	6.29	6.31	284965.7	1094.614579			5
6.47	6.49	6.51	57060.4	28.854763			6
Height Summation:			**1250661.41**				
Amount Avg CF:			**511.202653**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274B
Result file : 25PCBS17257004B.103.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	50.80	
+ 3.43	3.43	3.47	10152.46	137.487377			1
3.43	3.45	3.47	39320.99	532.49555			1
3.50	3.52	3.54	50370.56	447.374244			2
3.54	3.56	3.58	64350.18	341.30432			3
3.66	3.69	3.70	65201.67	278.894238			4
3.75	3.78	3.79	66655.12	416.766888			5
+ 3.89	3.89	3.93	22493.18	77.101547			6
3.89	3.91	3.93	288472.6	988.818995			6
Height Summation:			**574371.12**				
Amount Avg CF:			**500.942373**	Linear:			
Aroclor-1254					6	73.16	
+ 4.25	4.25	4.29	62029.29	139.30148			1
4.25	4.27	4.29	417798.4	938.265379			1
4.34	4.36	4.38	749999.9	3585.168967			2
4.41	4.43	4.45	275858	896.043895			3
4.48	4.50	4.51	925023.6	5028.119699			4
4.63	4.65	4.67	192532.6	890.121166			5
4.71	4.73	4.75	1054151	3078.524945			6
Height Summation:			**3615363.5**				
Amount Avg CF:			**2402.707342**	Linear:			
Aroclor-1260					6	11.72	
4.47	4.50	4.51	925023.6	2212.6747			1
4.58	4.60	4.62	681975.4	2056.554084			2
4.71	4.73	4.75	1054151	2607.915248			3
4.93	4.95	4.97	516541.5	1861.970101			4
+ 5.12	5.12	5.16	62153.06	95.266785			5
5.12	5.14	5.16	1353402	2074.463554			5
5.38	5.40	5.42	940506.5	2074.624093			6
Height Summation:			**5471600**				
Amount Avg CF:			**2148.03363**	Linear:			
Aroclor-1262					6	26.97	
4.74	4.76	4.78	392772.7	966.833087			1
4.93	4.95	4.97	516541.5	1274.231537			2
5.12	5.14	5.16	1353402	1577.553242			3
5.34	5.36	5.38	258810	785.413097			4
5.38	5.40	5.42	940506.5	1635.374534			5
5.76	5.78	5.80	375301.7	1180.818327			6
Height Summation:			**3837334.4**				
Amount Avg CF:			**1236.703971**	Linear:			
Aroclor-1268					6	122.08	
5.33	5.36	5.37	258810	269.617288			1
5.38	5.40	5.42	940506.5	998.490002			2
5.53	5.55	5.57	22064.49	27.951036			3
5.60	5.62	5.64	7997.948	38.823902			4
5.75	5.78	5.79	375301.7	1053.582438			5
5.95	5.97	5.99	83911.65	28.499387			6
Height Summation:			**1688592.288**				
Amount Avg CF:			**402.827342**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **9202636** MSD ACF DF20 -115W Sample ID: AC **Batchnumber: 172560011A**
Sample Amount: 10.06 g Total Volume: 200 ml Analyst: 9065 SDG: ATG65 State: DE
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274A
Result file : 25PCBS17257004.103.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Analysis Report (B)

Injected on : Sep 18, 2017 13:08:49
Instrument : CP25--18274B
Result file : 25PCBS17257004B.103.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016			1013.9164	196.8191		20.41	4	40	
Aroclor-1221			1013.9164	304.1749		15.49	3	5	
Aroclor-1232			1013.9164	244.5328		24.24	4	10	
Aroclor-1242			1013.9164	244.5328		26.46	4	30	
Aroclor-1248			1013.9164	196.8191		11.43	4	40	
Aroclor-1254			1013.9164	262.4254		** 40.64	4	40	
Aroclor-1260			1013.9164	232.6044		0.96	4	40	
Aroclor-1262			1013.9164	196.8191		5.74	4	40	
Aroclor-1268			1013.9164	196.8191		23.71	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: 9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:08:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.103.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.016		378	140
2.041		777	743
2.076		3882	4726
2.103		5511	8874
2.165		3312	2107
2.234		11964	9842
2.313		1019	875
2.348		385	263
2.359		963	571
2.397		709	369
2.464		512	222
2.512		2715	3518
2.574		897	803
2.666		1086	431
2.682		8648	5810
2.737		930	1340
2.767		597	458
2.792		1334	1561
2.818		396	160
2.837		691	438
2.883		953	621
2.907		743	490
2.96	TCX	76730	52186
3.017		809	804
3.052		952	666
3.066		828	416
3.107		3274	2782
3.164		4685	3169
3.211		24380	17983
3.264		13290	7913
3.281		5978	2885
3.305		1972	1221
3.373		1433	1319
3.428		22745	13570
3.445		11017	6448
3.483		2779	1685
3.511		1889	1680
3.544		27070	19659
3.599		1672	1240
3.62		1033	601
3.655		5342	3472
3.669		4056	2368
3.714		13583	7699
3.725		32092	16990
3.762		34004	26967
3.819		32313	24542
3.861		4288	3047
3.889		41236	31270
3.916		32523	23129
3.938		28876	19385
4.013		28511	20620
4.037		19206	13201
4.068		26999	19955
4.102		43573	39502

RT A	Compound A	Height A	Area A
4.143		9612	8600
4.178		4121	5201
4.228		7685	5688
4.263		179458	176925
4.306		86216	76619
4.376		53237	44494
4.418		235944	250497
4.452		100470	82933
4.493		11977	8746
4.516		12251	9062
4.557		64151	59239
4.607		58710	38800
4.624		40581	38900
4.669		328087	303838
4.718		188934	217289
4.754		41653	27602
4.794		482320	468151
4.84		25174	21559
4.881		231856	235936
4.914		3968	2143
4.941		130423	131387
4.993		636537	830401
5.044		102187	94049
5.083		304059	335612
5.127		14732	9101
5.163		74973	90332
5.197		864768	902605
5.239		12824	6165
5.264		346157	330699
5.307		225951	232640
5.377		1457	1138
5.401		130295	104283
5.425		361813	325114
5.481		227125	210206
5.52		136933	131568
5.562		15678	16081
5.602		150122	154246
5.634		1574	669
5.659		1146545	1128254
5.761		4175	5848
5.805		994	957
5.863		649204	641986
5.894		47222	29244
5.919		124787	140385
6.03		5548	4462
6.056		8073	6647
6.105		19474	14689
6.134		126571	123566
6.209		852	1451
6.245		1055	2322
6.262		1680	1033
6.29		284966	284585
6.334		21177	21014
6.388		559	858
6.405		1558	1443
6.446		470	366
6.466		490	240
6.494		57060	53413
6.517		2330	1501
6.55		778	520
6.618		1923	1687
6.643	DCB	76951	77268
6.68		2076	1439
6.705		1971	2094
6.747		730	177
6.834		794	2593

RT A	Compound A	Height A	Area A
6.862		620	143
6.89		33622	73298
6.975		692	254

LANCASTER LABORATORIES

Sample Number: 9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:08:49 PM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.103.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.011		16897	29814
2.074		10046	15172
2.095		9454	6847
2.127		12921	25937
2.177		2586	1191
2.193		3401	2449
2.215		3941	2240
2.237		5060	3663
2.256		5292	2866
2.273		4435	7539
2.317		4009	4266
2.336		5146	5264
2.391		17457	10769
2.456		5116	4173
2.471		4590	2632
2.514		6192	4469
2.563		8706	10620
2.593		3509	2404
2.618		2289	1623
2.641	TCX	136286	81131
2.669		9548	13985
2.702		5383	2386
2.745		7279	16348
2.789		2201	2381
2.811		7683	4483
2.834		4723	2818
2.86		1657	1938
2.872		5902	3521
2.896		2041	1069
2.924		43950	57076
2.98		2891	1762
3.013		3176	1425
3.036		5378	4513
3.093		2133	1537
3.105		824	169
3.132		33173	16285
3.143		12329	4605
3.17		1008	420
3.183		4534	2883
3.206		1992	924
3.229		2864	1411
3.254		58924	62225
3.296		12884	11155
3.312		835	364
3.337		13110	7062
3.353		6594	3169
3.383		3425	2059
3.404		26045	12173
3.413		51853	22636
3.433		10152	4528
3.447		39321	26820
3.523		50371	34254
3.558		64350	38582
3.581		73449	80595

RT B	Compound B	Height B	Area B
3.686		65202	81887
3.73		45297	30995
3.776		66655	53171
3.817		17314	12870
3.857		8157	7345
3.886		22493	12585
3.908		288473	193014
3.934		89056	54504
3.973		73878	78013
4.008		367185	258946
4.04		169817	247137
4.119		41605	43365
4.153		97488	81819
4.21		142927	103535
4.252		62029	52571
4.27		417798	473236
4.309		134070	130653
4.361		750000	602893
4.399		45936	41379
4.431		275858	194404
4.455		213260	155235
4.498		925024	757815
4.6		681975	656913
4.652		192533	165792
4.692		235859	212535
4.729		1054151	871690
4.76		392773	284712
4.799		308383	249920
4.868		5252	6679
4.898		105793	123490
4.949		516542	419924
4.974		135686	96910
5.024		333143	303571
5.059		164837	131303
5.087		118239	96323
5.12		62153	39526
5.141		1353402	1163286
5.183		33863	24764
5.214		43268	38045
5.278		2648	1588
5.331		13898	8699
5.355		258810	219191
5.4		940507	1003067
5.553		22064	19838
5.597		36199	29436
5.621		7998	4553
5.643		14279	9578
5.67		162566	140669
5.749		4935	3063
5.776		375302	324960
5.807		25223	19242
5.974		83912	76263
6.133	DCB	116844	105913
6.169		4507	4002
6.265		8879	25542
6.339		12383	15029
6.401		2231	1689
6.438		2795	3106
6.471		1686	1095
6.507		2141	2648
6.579		45524	51437
6.701		2051	3239
6.853		1566	4401

9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 80

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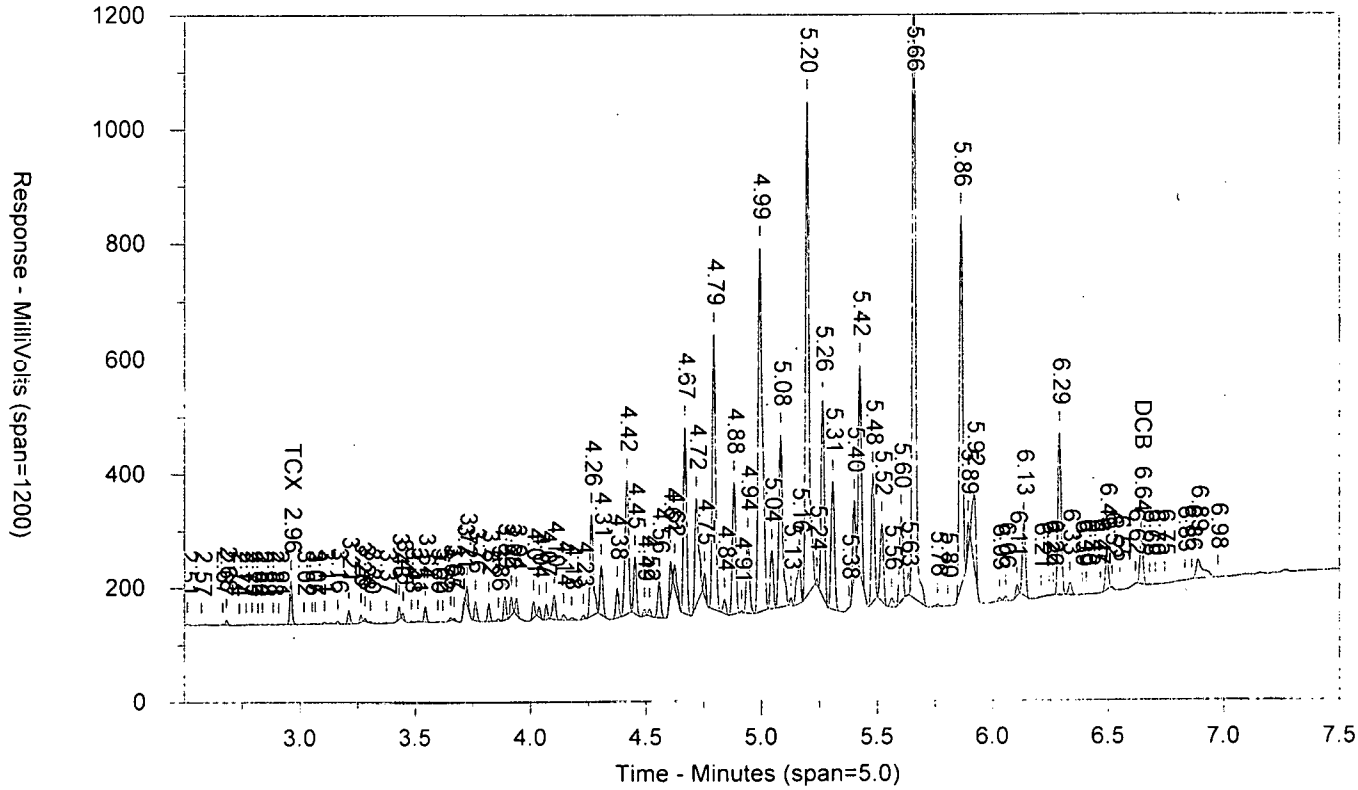

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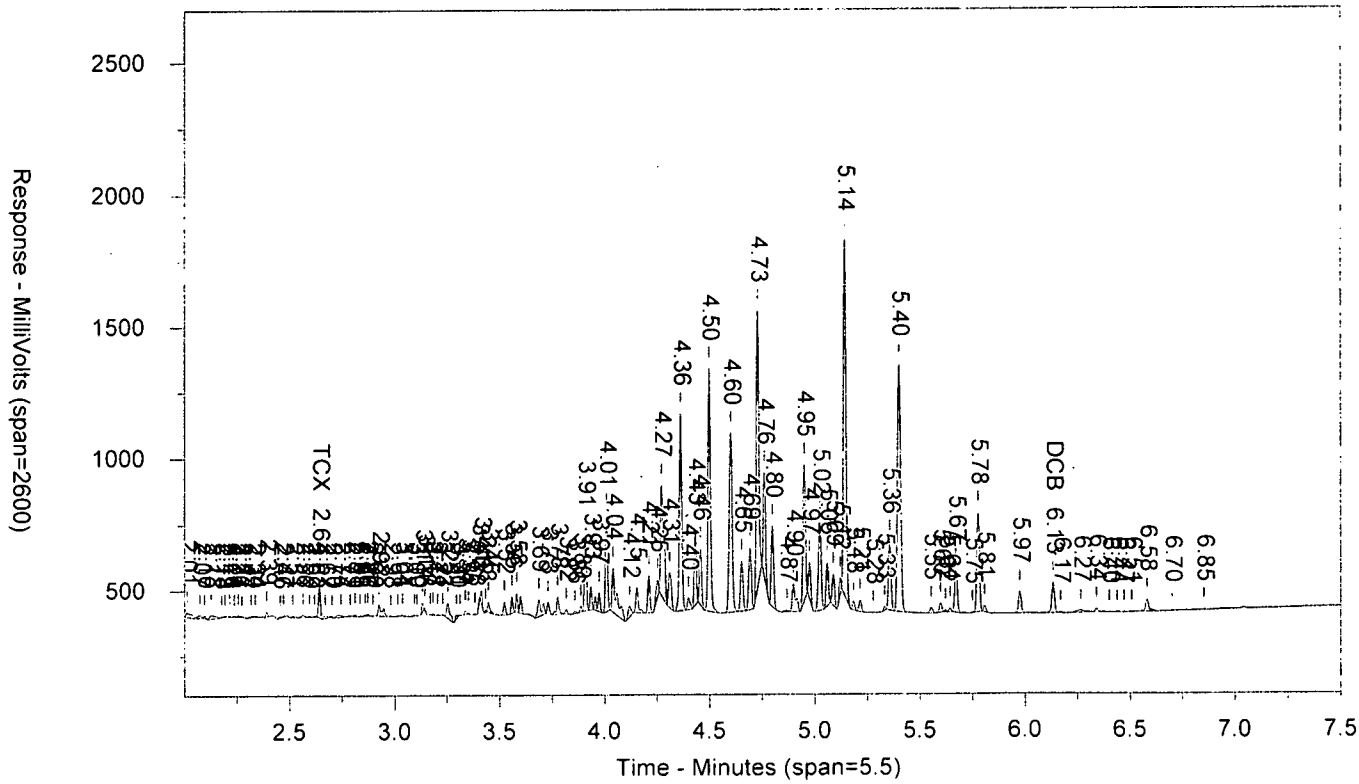

LANCASTER LABORATORIES

Sample Number: 9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 1:08:49 PM Sample Weight: 10.06
Instrument ID: CP25-18274 Dilution Factor: 200
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	76730	13.42	TCX	2.641	136286	15.158	TCX
6.643	76951	14.366	DCB	6.133	116844	15.384	DCB

Files:
Area File: 25PCBS17257004.103.RAW
Area File: 25PCBS17257004B.103.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 1:17:20 PM
File Reported On: 9/18/2017 at 1:17:40 PM

9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 80

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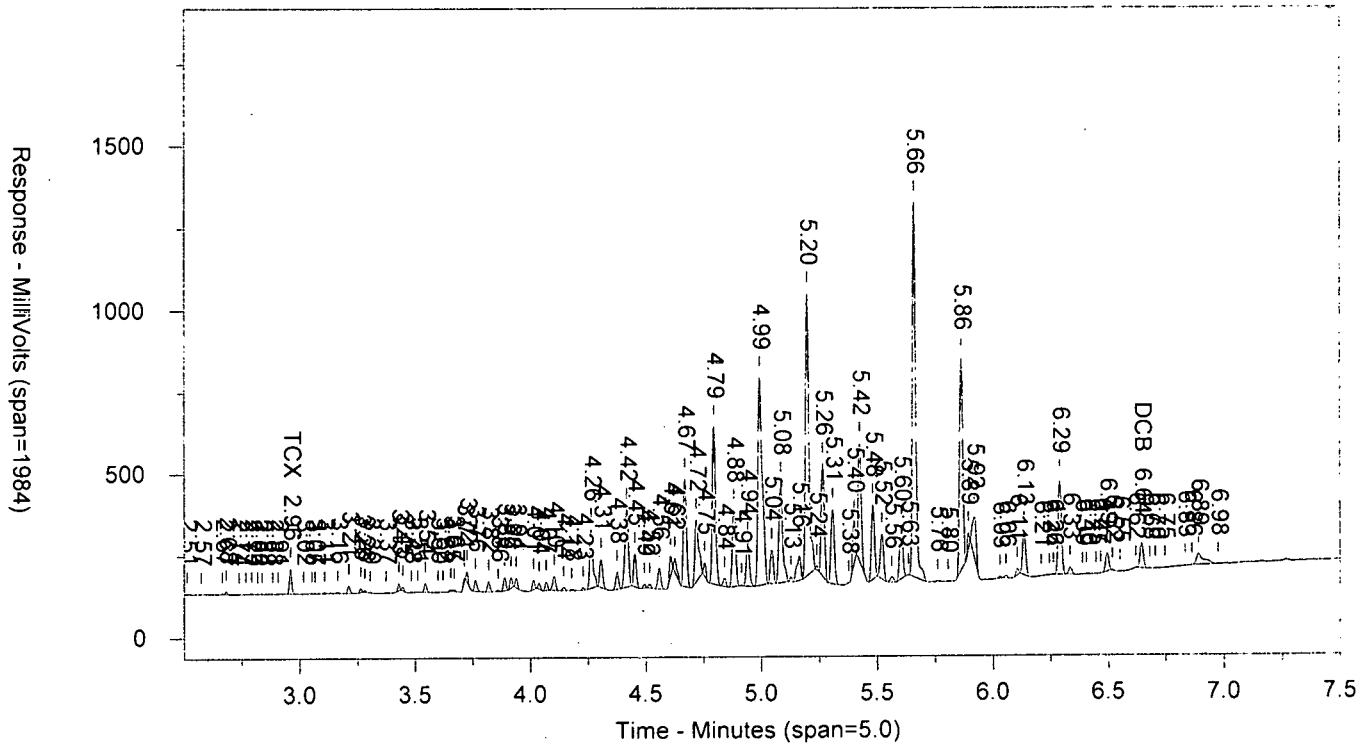

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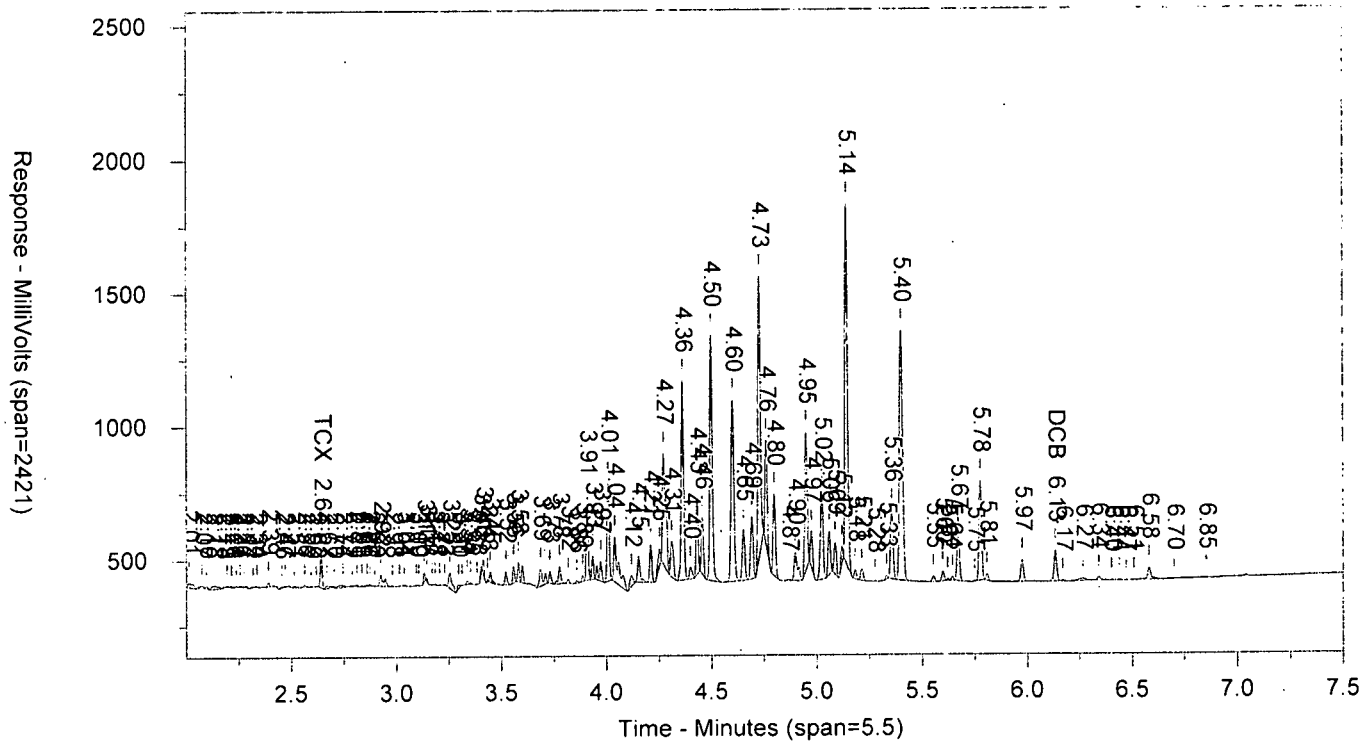

9202636MSD ACF DF20AC-115W MSD 172560011A 10225 SW-846 80

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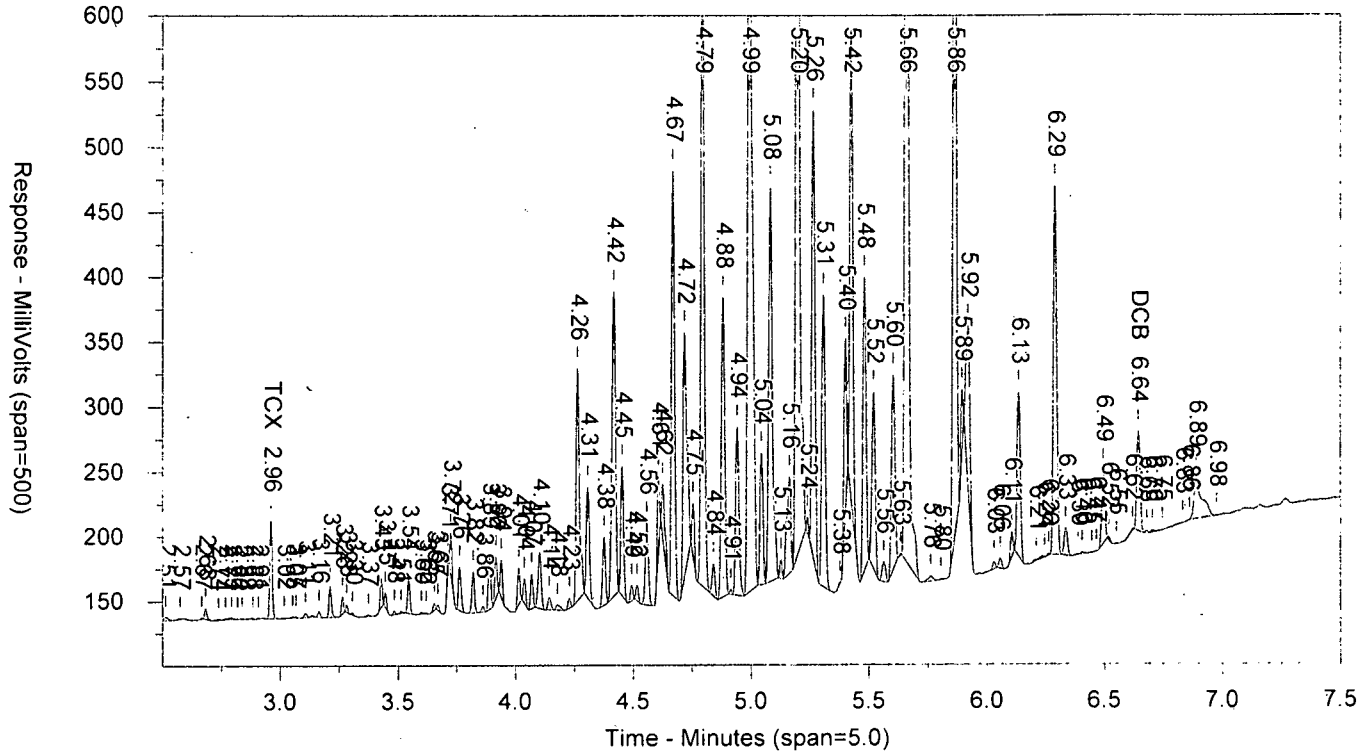

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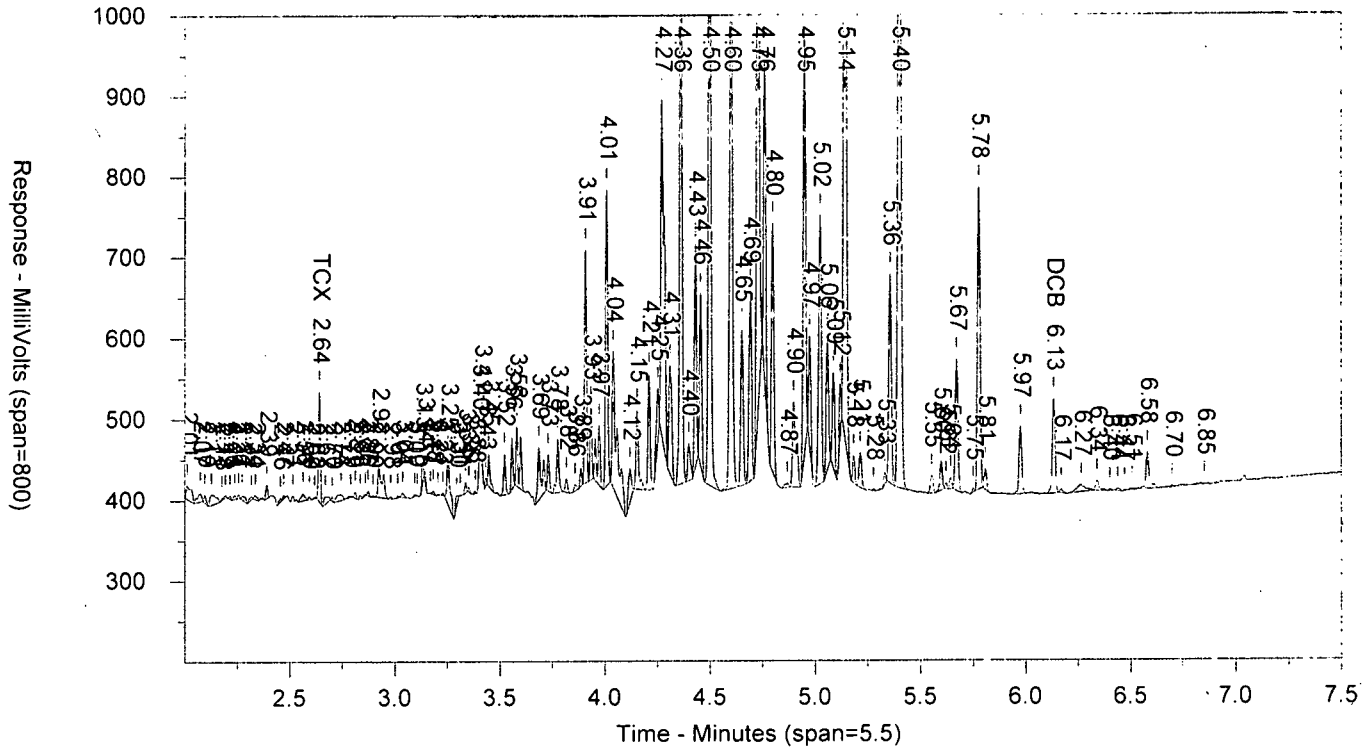

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Data Summary

Sample Name: LCSA 9/13/17 ACF LCS11256 LCS Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 09:44:48
Instrument	18274A
Result file	25PCBS17257004.085.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

%SSR(TCX) 97% (61 - 152) Conc: 29.71989
%SSR(DCB) 94% (48 - 164) Conc: 25.54181

Analysis Report (B)

Injected on	Sep 18, 2017 09:44:48
Instrument	18274B
Result file	25PCBS17257004B.085.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

%SSR(TCX) 97% (61 - 152) Conc: 29.77145
%SSR(DCB) 102% (48 - 164) Conc: 27.61516

Single Component Data

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.93	2.96	2.99	3378206	29.71989
Decachlorobiphenyl	6.61	6.64	6.67	2719882	25.54181

Compound	Min	RT	Max	Height	Amount
Tetrachloro-m-xylene	2.61	2.64	2.67	5321558	29.77145
Decachlorobiphenyl	6.10	6.13	6.16	4169802	27.61516

Single Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	Comments
☐ Tetrachloro-m-xylene	B	29.77145				0.17	
☐ Tetrachloro-m-xylene-D1	A	29.71989					
☐ Tetrachloro-m-xylene-D2	B	29.77145					
☐ Decachlorobiphenyl	B	27.61516				7.80	
☐ Decachlorobiphenyl-D1	A	25.54181					
☐ Decachlorobiphenyl-D2	B	27.61516					

Multiple Component Data

Aroclor-1016 (%RSD 4.39)

Min	RT	Max	Height	Amount	Pks	Peak
3.19	3.21	3.23	816859.6	440.228069		1
3.41	3.43	3.45	824368.1	441.828676		2
3.52	3.54	3.56	1061478	452.395614		3
3.74	3.76	3.78	1377958	468.878155		4
3.79	3.82	3.83	1272686	494.316396		5
3.99	4.01	4.03	880555.1	461.911431		6

Height summation: **6233904.8**
Concentration CF: **459.92639** L:

Aroclor-1016 (%RSD 4.15)

Min	RT	Max	Height	Amount	Pks	Peak
2.91	2.92	2.95	1281994	434.482538		1
3.11	3.13	3.15	1077028	443.298645		2
3.23	3.25	3.27	1587144	453.850491		3
3.43	3.45	3.47	1736334	474.373463		4
3.50	3.52	3.54	1886961	481.764124		5
3.54	3.56	3.58	1257596	473.071726		6

Height summation: **8827057**
Concentration CF: **460.140165** L:

Aroclor-1260 (%RSD 6.00)

Min	RT	Max	Height	Amount	Pks	Peak
4.97	4.99	5.01	2838526	487.228728		1
5.17	5.20	5.21	3646520	506.393724		2
5.24	5.26	5.28	1497366	429.864104		3
5.40	5.43	5.44	1670714	453.696958		4
5.64	5.66	5.68	4671708	456.779823		5
5.84	5.86	5.88	2831893	449.208539		6

Height summation: **17156727**
Concentration CF: **463.861979** L:

Aroclor-1260 (%RSD 8.25)

Min	RT	Max	Height	Amount	Pks	Peak
4.47	4.50	4.51	4226620	508.540969		1
4.58	4.60	4.62	3328380	504.861572		2
4.71	4.73	4.75	4569402	568.614593		3
4.93	4.95	4.97	2442234	442.815426		4
5.12	5.14	5.16	6216504	479.284294		5
5.38	5.40	5.42	4485630	497.701613		6

Height summation: **25268770**
Concentration CF: **500.303078** L:

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:02

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Data Summary

Sample Name: LCSA 9/13/17 ACF LCS11256 LCS Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 g Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	Sep 18, 2017 09:44:48
Instrument	18274A
Result file	25PCBS17257004.085.RAW
Calibration file	25PCBS1725702
Method file	25PCBS

Analysis Report (B)

Injected on	Sep 18, 2017 09:44:48
Instrument	18274B
Result file	25PCBS17257004B.085.RAW
Calibration file	25PCBS1725702B
Method file	25PCBSB

Multiple Component Summary

Compound Name	Column	Amount Found	LOQ	MDL	Qualifiers	%RPD	No. of Hits Required	Comments
☐ PCB-1016	B	460.140165	51	9.9		0.05	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	500.303078	51	11.7		7.56	4	
☐ PCB-1262			<51	<9.9			4	
☐ PCB-1268			<51	<9.9			4	
☐ Total PCBs	A	960.443242	51	9.9				

Units: ug/kg

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

Valerie L. Tomayko
Principal Specialist

SEP 21 2017

Reviewed and digitally signed by Kirby B Turner on 9/21/2017 13:35:02

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 13/17 ACF LCS11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 09:44:48
Instrument : CP25--18274A
Result file : 25PCBS17257004.085.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**4.39**	
3.19	3.21	3.23	816859.6	440.228069			1
3.41	3.43	3.45	824368.1	441.828676			2
3.52	3.54	3.56	1061478	452.395614			3
3.74	3.76	3.78	1377958	468.878155			4
3.79	3.82	3.83	1272686	494.316396			5
3.99	4.01	4.03	880555.1	461.911431			6
Height Summation:			**6233904.8**				
Amount Avg CF:			**459.92639**	Linear:			
Aroclor-1221					**3**	**41.42**	
3.09	3.11	3.13	125725.2	132.248462			1
E 3.14	3.16	3.18	181158.6	205.641712			2
E 3.19	3.21	3.23	816859.6	310.31382			3
Height Summation:			**1123743.4**				
Amount Avg CF:			**216.067998**	Linear:			
Aroclor-1232					**6**	**30.29**	
E 3.19	3.21	3.23	816859.6	371.118178			1
E 3.40	3.43	3.44	824368.1	966.336745			2
E 3.52	3.54	3.56	1061478	969.068656			3
E 3.73	3.76	3.77	1377958	1012.777496			4
E 3.79	3.82	3.83	1272686	1126.052221			5
E 3.99	4.01	4.03	880555.1	1112.156404			6
Height Summation:			**6233904.8**				
Amount Avg CF:			**926.251617**	Linear:			
Aroclor-1242					**6**	**4.55**	
E 3.19	3.21	3.23	816859.6	312.687894			1
E 3.41	3.43	3.45	824368.1	326.892164			2
+ 3.41	3.45	3.45	386400.6	153.221999			2
E 3.52	3.54	3.56	1061478	331.684407			3
E 3.74	3.76	3.78	1377958	338.869768			4
E 3.80	3.82	3.84	1272686	358.569257			5
E 3.99	4.01	4.03	880555.1	338.662664			6
Height Summation:			**6233904.8**				
Amount Avg CF:			**334.561026**	Linear:			
Aroclor-1248					**6**	**59.59**	
E 3.74	3.76	3.78	1377958	1115.733102			1
3.80	3.82	3.84	1272686	888.979304			2
3.86	3.89	3.90	767109.8	324.472789			3
3.99	4.01	4.03	880555.1	325.904514			4
4.08	4.10	4.12	1022444	426.567973			5
4.26	4.26	4.30	881518	359.706015			6
+ 4.26	4.28	4.30	136778.3	55.812788			6
Height Summation:			**6202270.9**				
Amount Avg CF:			**573.560616**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 09:44:48
Instrument : CP25--18274B
Result file : 25PCBS17257004B.085.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1016					**6**	**4.15**	
2.91	2.92	2.95	1281994	434.482538			1
3.11	3.13	3.15	1077028	443.298645			2
+ 3.11	3.14	3.15	331148.9	136.299018			2
3.23	3.25	3.27	1587144	453.850491			3
+ 3.43	3.43	3.47	58355.23	15.942885			4
3.43	3.45	3.47	1736334	474.373463			4
3.50	3.52	3.54	1886961	481.764124			5
3.54	3.56	3.58	1257596	473.071726			6
Height Summation:			**8827057**				
Amount Avg CF:			**460.140164**	Linear:			
Aroclor-1221					**3**	**39.17**	
2.79	2.81	2.83	224471.3	132.793667			1
+ 2.85	2.86	2.89	19934.51	19.756715			2
E 2.85	2.87	2.89	249826.3	247.598115			2
E 2.91	2.92	2.95	1281994	310.79395			3
Height Summation:			**1756291.6**				
Amount Avg CF:			**230.395244**	Linear:			
Aroclor-1232					**6**	**31.15**	
E 2.91	2.92	2.95	1281994	373.784716			1
E 3.11	3.13	3.15	1077028	948.985869			2
E+ 3.11	3.14	3.15	331148.9	291.780368			2
E 3.23	3.25	3.27	1587144	1000.141631			3
+ 3.43	3.43	3.47	58355.23	34.858759			4
E 3.43	3.45	3.47	1736334	1037.206907			4
E 3.50	3.52	3.54	1886961	1087.235717			5
E 3.53	3.56	3.57	1257596	1217.525688			6
Height Summation:			**8827057**				
Amount Avg CF:			**944.146755**	Linear:			
Aroclor-1242					**6**	**6.78**	
E 2.91	2.92	2.95	1281994	318.844494			1
E 3.11	3.13	3.15	1077028	378.463625			2
+ 3.11	3.14	3.15	331148.9	116.364489			2
E 3.23	3.25	3.27	1587144	335.911312			3
+ 3.43	3.43	3.47	58355.23	11.773143			4
E 3.43	3.45	3.47	1736334	350.304642			4
E 3.50	3.52	3.54	1886961	364.288031			5
E 3.54	3.56	3.58	1257596	378.645711			6
Height Summation:			**8827057**				
Amount Avg CF:			**354.409636**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 13/17 ACF LCS11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on : Sep 18, 2017 09:44:48
Instrument : CP25--18274A
Result file : 25PCBS17257004.085.RAW
Calibration file : 25PCBS1725702.CAL
Method file : 25PCBS.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1254					6	76.90	
4.24	4.26	4.28	881518	332.221939			1
4.39	4.42	4.43	997028	220.165862			2
4.65	4.67	4.68	664627	105.38645			3
4.86	4.88	4.90	410890	89.342457			4
5.06	5.08	5.10	1305946	364.493677			5
5.17	5.20	5.21	3646520	730.249501			6
Height Summation:			**7906529**				
Amount Avg CF:			**306.976648**	Linear:			
Aroclor-1260					6	6.00	
4.97	4.99	5.01	2838526	487.228728			1
5.17	5.20	5.21	3646520	506.393724			2
5.24	5.26	5.28	1497366	429.864104			3
5.40	5.43	5.44	1670714	453.696958			4
5.64	5.66	5.68	4671708	456.779823			5
5.84	5.86	5.88	2831893	449.208539			6
Height Summation:			**17156727**				
Amount Avg CF:			**463.861979**	Linear:			
Aroclor-1262					6	30.38	
E 5.25	5.26	5.29	1497366	257.183872			1
E 5.41	5.43	5.45	1670714	324.694325			2
E 5.64	5.66	5.68	4671708	361.010377			3
E 5.85	5.86	5.89	2831893	363.895902			4
5.90	5.92	5.94	556836.6	145.534994			5
E 6.27	6.29	6.31	1090563	232.988101			6
Height Summation:			**12319080.6**				
Amount Avg CF:			**280.884595**	Linear:			
Aroclor-1268					6	93.26	
5.84	5.86	5.88	2831893	200.727392			1
5.90	5.92	5.94	556836.6	45.054062			2
6.03	6.05	6.07	63900.79	5.421518			3
+ 6.10	6.11	6.14	53254.96	17.239306			4
6.10	6.13	6.14	421206	136.349722			4
E 6.27	6.29	6.31	1090563	210.711085			5
6.47	6.49	6.51	284394.4	7.233887			6
Height Summation:			**5248793.79**				
Amount Avg CF:			**100.916278**	Linear:			

Analysis Report (B)

Injected on : Sep 18, 2017 09:44:48
Instrument : CP25--18274B
Result file : 25PCBS17257004B.085.RAW
Calibration file : 25PCBS1725702B.CAL
Method file : 25PCBSB.MET

Min	R.T.	Max	Height	Amount	Pks	%RSD	Peak
Aroclor-1248					6	62.29	
+ 3.43	3.43	3.47	58355.23	39.750199			1
E 3.43	3.45	3.47	1736334	1182.749556			1
3.50	3.52	3.54	1886961	842.99521			2
3.54	3.56	3.58	1257596	335.506665			3
3.66	3.69	3.70	1613055	347.054743			4
+ 3.75	3.76	3.79	337427.8	106.12276			5
3.75	3.78	3.79	1357259	426.864863			5
+ 3.89	3.89	3.93	347969.5	59.995876			6
3.89	3.91	3.93	1817664	313.39627			6
Height Summation:			**9668869**				
Amount Avg CF:			**574.761218**	Linear:			
Aroclor-1254					6	92.92	
+ 4.25	4.25	4.29	348792.8	39.399836			1
4.25	4.28	4.29	1298152	146.64			1
4.34	4.36	4.38	3333989	801.642199			2
4.41	4.43	4.45	381706.9	62.365111			3
E 4.48	4.50	4.51	4226620	1155.617164			4
4.63	4.65	4.67	404072.6	93.966325			5
4.71	4.73	4.75	4569402	671.223579			6
Height Summation:			**14213942.5**				
Amount Avg CF:			**488.57573**	Linear:			
Aroclor-1260					6	8.25	
4.47	4.50	4.51	4226620	508.540969			1
4.58	4.60	4.62	3328380	504.861572			2
4.71	4.73	4.75	4569402	568.614593			3
4.93	4.95	4.97	2442234	442.815426			4
+ 5.12	5.12	5.16	228344.8	17.605084			5
5.12	5.14	5.16	6216504	479.284294			5
5.38	5.40	5.42	4485630	497.701613			6
Height Summation:			**25268770**				
Amount Avg CF:			**500.303078**	Linear:			
Aroclor-1262					6	28.47	
E 4.74	4.76	4.78	1898336	235.045142			1
E 4.93	4.95	4.97	2442234	303.038905			2
E 5.12	5.14	5.16	6216504	364.47808			3
5.34	5.36	5.38	1165724	177.942959			4
E 5.38	5.40	5.42	4485630	392.325794			5
E 5.76	5.78	5.80	1573895	249.084265			6
Height Summation:			**17782323**				
Amount Avg CF:			**286.985857**	Linear:			
Aroclor-1268					6	119.37	
5.33	5.36	5.37	1165724	61.084413			1
E 5.38	5.40	5.42	4485630	239.537411			2
5.53	5.55	5.57	94057.71	5.993305			3
5.60	5.62	5.64	63582.73	15.524862			4
E 5.75	5.78	5.79	1573895	222.244863			5
5.95	5.97	5.99	408839.4	6.984478			6
Height Summation:			**7791728.84**				
Amount Avg CF:			**91.894889**	Linear:			

Eurofins Lancaster Laboratories-Multiple Component Data Summary

Sample Name: **LCSA 9/** 13/17 ACF LCS11256 Sample ID: AB **Batchnumber: 172560011A**
Sample Amount: 10 Total Volume: 10 ml Analyst: 9065 SDG: State:
Analyses: 10225

Analysis Report (A)

Injected on	: Sep 18, 2017 09:44:48
Instrument	: CP25--18274A
Result file	: 25PCBS17257004.085.RAW
Calibration file	: 25PCBS1725702.CAL
Method file	: 25PCBS.MET

Analysis Report (B)

Injected on	: Sep 18, 2017 09:44:48
Instrument	: CP25--18274B
Result file	: 25PCBS17257004B.085.RAW
Calibration file	: 25PCBS1725702B.CAL
Method file	: 25PCBSB.MET

Summary Report

Compound Name	Column	Higher Amount Found	LOQ	MDL	Qualifiers	%Difference	No of Hits Required	Max %RSD	Comments
Aroclor-1016						0.05	4	40	
Aroclor-1221						6.42	3	5	
Aroclor-1232						1.91	4	10	
Aroclor-1242						5.76	4	30	
Aroclor-1248						0.21	4	40	
Aroclor-1254						** 45.65	4	40	
Aroclor-1260						7.56	4	40	
Aroclor-1262						2.15	4	40	
Aroclor-1268						9.36	4	40	

Units: ug/kg

LANCASTER LABORATORIES

Sample Number: LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:44:48 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Date File: 25PCBS17257004.085.RAW
Method File: 25PCBS.MET
Calibration File: 25PCBS1725702.CAL

RT A	Compound A	Height A	Area A
2.024		9938	5439
2.049		7342	5995
2.068		14603	11963
2.106		5407	3324
2.12		5263	3194
2.144		3971	2275
2.167		117723	89052
2.233		5960	3869
2.261		9099	10151
2.32		4099	4047
2.36		9497	9949
2.401		2218	1899
2.425		21906	14978
2.474		609	349
2.492		1457	845
2.519		35620	29578
2.575		3692	3909
2.597		7864	4630
2.641		7853	5904
2.687		1711	1459
2.715		44849	29081
2.775		84071	64005
2.798		1344	630
2.824		2646	2155
2.848		5747	3797
2.87		1114	459
2.886		2881	1607
2.904		1382	662
2.92		1349	1009
2.96	TCX	3378206	2312790
3.023		2040	1710
3.061		4752	4002
3.085		404	149
3.107		125725	106946
3.14		940	490
3.164		181159	138213
3.211		816860	589995
3.247		5348	2667
3.306		103827	86474
3.349		2632	2079
3.377		3206	2797
3.428		824368	502488
3.445		386401	211230
3.482		102810	60307
3.498		8357	3153
3.509		57704	31810
3.544		1061478	821178
3.581		5447	2936
3.597		4349	2301
3.62		35893	25620
3.655		236724	135896
3.67		122559	64564
3.714		482820	261069
3.724		1371169	694403

RT A	Compound A	Height A	Area A
3.761		1377958	1063461
3.819		1272686	955264
3.86		87283	62689
3.888		767110	574899
3.916		505786	434984
3.938		145724	72554
4.012		880555	646539
4.036		307832	201455
4.068		336441	241233
4.101		1022444	949862
4.142		286698	244592
4.189		46015	39202
4.228		61953	46334
4.263		881518	625485
4.28		136778	70179
4.305		258422	198257
4.375		148998	128862
4.418		997028	972601
4.452		30096	20154
4.49		1519	945
4.516		8634	7207
4.557		75195	66843
4.607		125054	90018
4.624		217009	157997
4.669		664627	636582
4.718		898680	1012836
4.755		183201	133991
4.794		2162342	2065653
4.84		9042	6243
4.88		410890	425301
4.912		19491	11716
4.94		401046	392285
4.993		2838526	3468329
5.045		459852	430496
5.083		1305946	1426274
5.125		7847	3315
5.164		235105	290220
5.197		3646520	3719359
5.238		30885	12503
5.263		1497366	1400401
5.306		948242	933974
5.361		578	402
5.4		429462	351978
5.425		1670714	1475347
5.481		878656	796849
5.52		504883	499148
5.562		80775	87017
5.602		608814	692330
5.659		4671709	4854170
5.756		5408	8712
5.811		1367	1328
5.863		2831893	2641115
5.894		162752	101498
5.919		556837	622208
6.008		1183	902
6.055		63901	68219
6.106		53255	43667
6.133		421206	417871
6.239		1487	3237
6.289		1090563	1098802
6.335		78033	75648
6.378		1436	1404
6.396		648	343
6.452		509	425
6.493		284394	302860
6.564		1102	1508

RT A	Compound A	Height A	Area A
6.644	DCB	2719882	2879589
6.807		719	545
6.867		566	1073
6.897		748	542
6.927		5343	6584
6.982		574	330

LANCASTER LABORATORIES

Sample Number: LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:44:48 AM Injection Volume: 1 ul
Instrument ID: CP25-18274 Analyst: 9065
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Data File: 25PCBS17257004B.085.RAW
Method File: 25PCBSB.MET
Calibration File: 25PCBS1725702b.CAL

RT B	Compound B	Height B	Area B
2.017		32712	42410
2.083		9637	7065
2.123		54496	31266
2.142		39614	22148
2.167		5065	2866
2.19		4317	3056
2.212		2819	1659
2.227		2615	1162
2.242		4520	1922
2.258		4953	3845
2.296		3771	3129
2.326		15471	13627
2.388		5342	7405
2.42		6324	4917
2.46		45932	27188
2.487		114939	71526
2.526		85111	46714
2.577		5105	4346
2.597		3037	1406
2.617		4137	2011
2.641	TCX	5321559	3072435
2.685		108701	82552
2.758		5593	4137
2.812		224471	147509
2.843		2847	1351
2.859		19935	8782
2.873		249826	140794
2.925		1281994	778309
2.975		9451	6321
3.036		166782	121698
3.096		6494	4947
3.132		1077028	535758
3.143		331149	130908
3.183		200427	124089
3.205		91573	53960
3.231		150496	83670
3.254		1587144	1052775
3.291		54668	30374
3.337		426454	225924
3.353		247286	121726
3.381		2319	1167
3.404		918037	443423
3.414		2085162	914011
3.433		58355	19675
3.448		1736334	1181250
3.523		1886961	1187333
3.557		1257596	776881
3.581		1392163	1115111
3.686		1613055	1520740
3.73		545922	326779
3.759		337428	175415
3.777		1357259	821931
3.817		459862	338407
3.864		65289	51217

RT B	Compound B	Height B	Area B
3.886		347970	213132
3.908		1817664	1174208
3.934		383042	254184
3.972		213477	135780
4.008		1514388	1038770
4.042		66369	40035
4.058		108139	75174
4.118		14363	9532
4.153		106503	85675
4.21		421258	308119
4.252		348793	210380
4.283		1298152	1412317
4.31		578374	585412
4.361		3333989	2555333
4.409		48579	32207
4.431		381707	258509
4.456		734750	550394
4.498		4226621	3254204
4.601		3328380	3169208
4.655		404073	339237
4.692		899081	767031
4.728		4569402	3683284
4.76		1898336	1303607
4.799		1367345	1063694
4.87		14026	11557
4.899		451666	502086
4.95		2442234	1962566
4.974		365755	237209
5.023		1305629	1183222
5.059		649491	518330
5.088		464446	390598
5.12		228345	126915
5.142		6216504	5149940
5.183		133662	102300
5.215		205653	180236
5.295		2975	2718
5.332		65327	42567
5.355		1165724	959551
5.4		4485631	4473017
5.516		3057	2000
5.554		94058	83181
5.598		125473	98396
5.622		63583	44519
5.67		667258	604502
5.776		1573895	1312396
5.807		97072	73097
5.975		408839	377599
6.133	DCB	4169802	3533806
6.258		5320	11815
6.311		2896	2764
6.695		2675	7028

LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082

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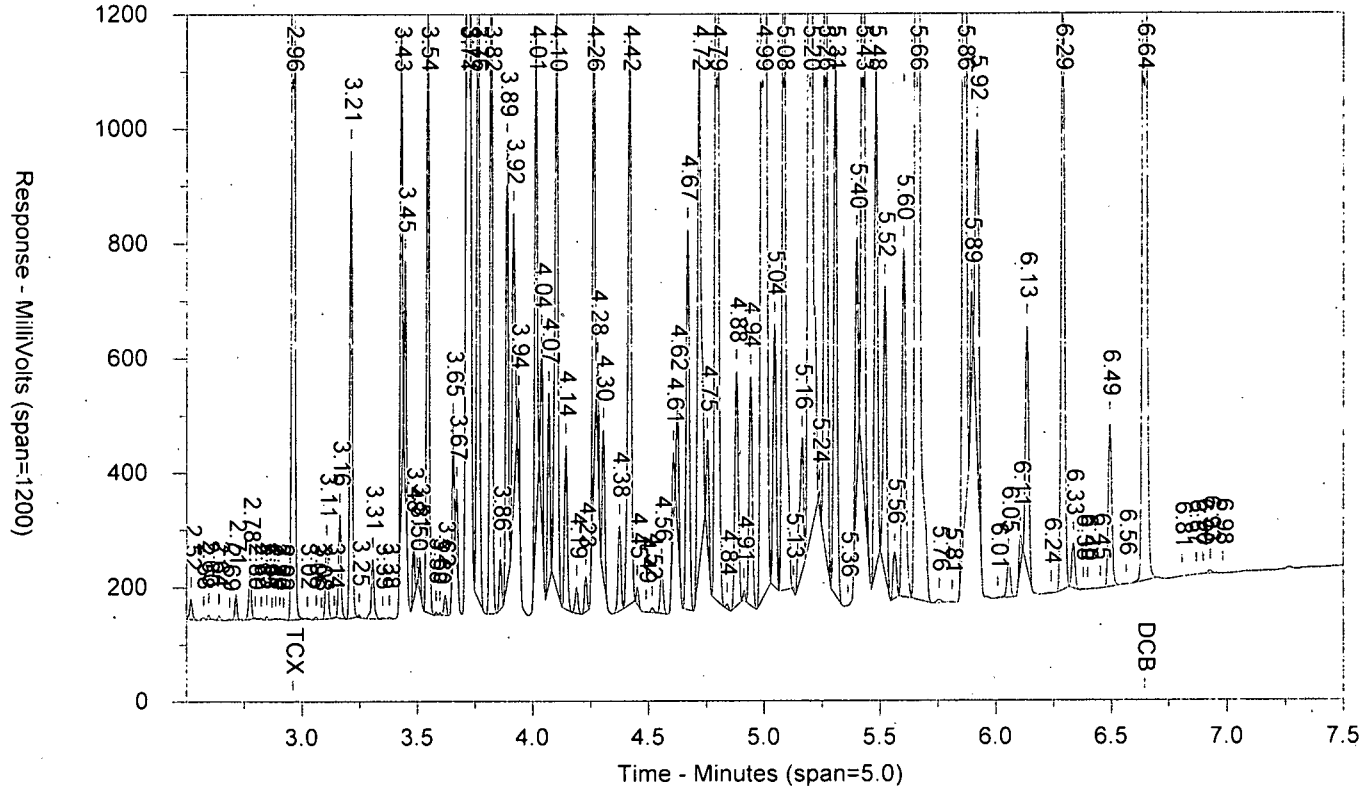

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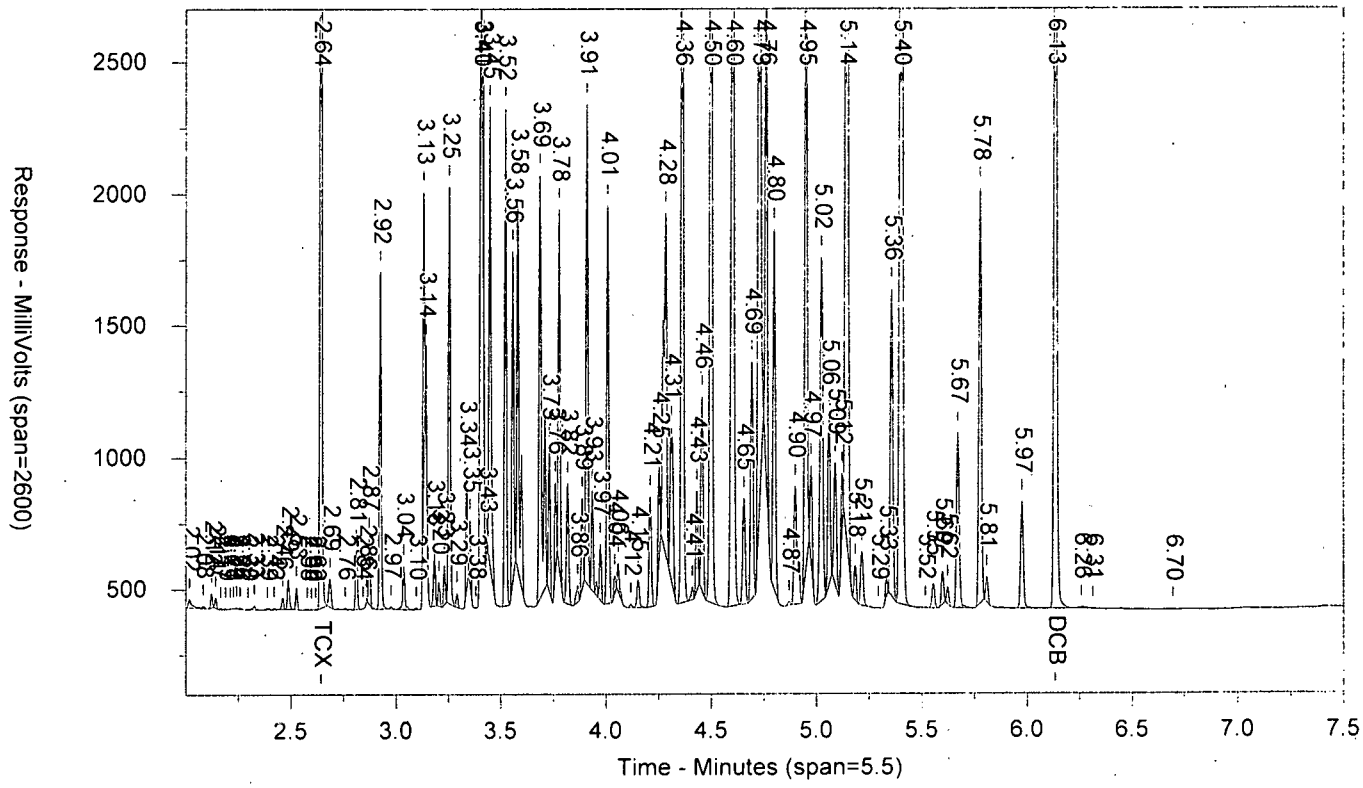

LANCASTER LABORATORIES

Sample Number: LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082
Injected On: 9/18/2017 9:44:48 AM Sample Weight: 10
Instrument ID: CP25-18274 Dilution Factor: 10
Oven Parameters: 110c to 250 @ 40c/min, to 280 @ 20c/min, to 330 @ 30c/min, hold for 5 min
Column A ID: ZB Multiresidue-1 30m x 0.32mm x 0.5um
Column B ID: ZB Multiresidue-2 30m x 0.32mm x 0.25um
Injection Volume: 1 ul

Threshold: 3
Calibration Type: external
Quantitation: Height

Analyst: 9065

RT A	Height A	Amount A - PPB	Compound A	RT B	Height B	Amount B - PPB	Compound B
2.96	3378206	29.72	TCX	2.641	5321559	29.771	TCX
6.644	2719882	25.542	DCB	6.133	4169802	27.615	DCB

Files:
Area File: 25PCBS17257004.085.RAW
Area File: 25PCBS17257004B.085.RAW
Method A: 25PCBS.MET
Method B: 25PCBSB.MET
Calibration File A: 25PCBS1725702.CAL
Calibration File B: 25PCBS1725702b.CAL
Format A: pestD25.FMTA
Format B: pestD25.FMTB
Area File Created On: 9/18/2017 10:04:37 AM
File Reported On: 9/18/2017 at 10:14:04 AM

LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082

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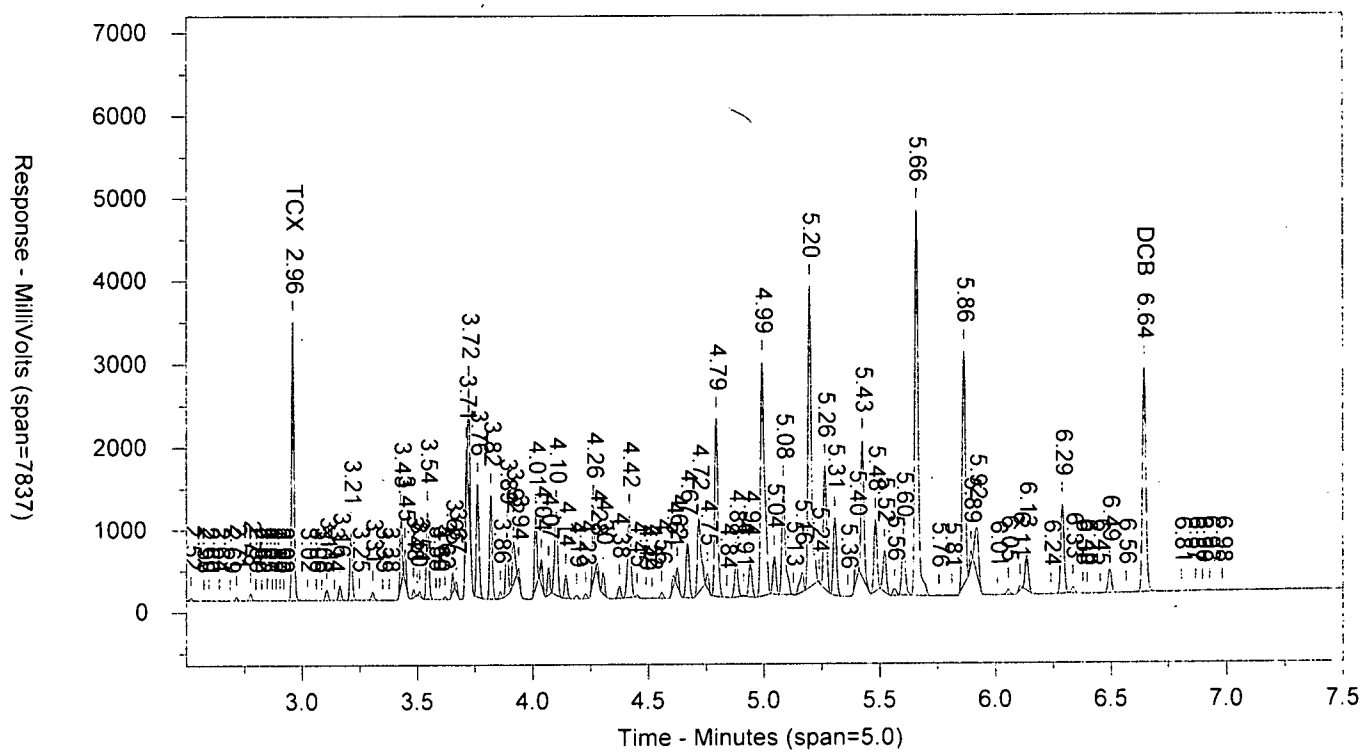

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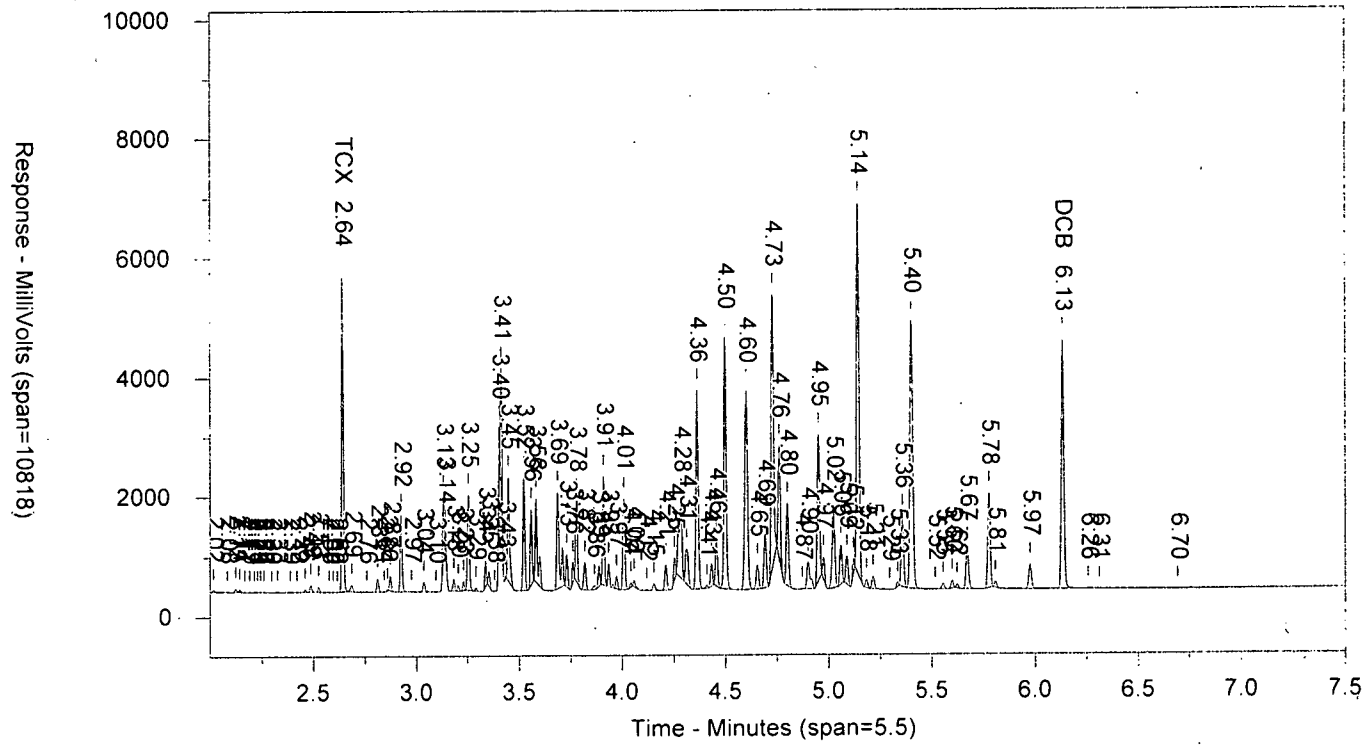

LCSA 9/13/17 ACF ABLCS11256 LCS 172560011A 10225 SW-846 8082

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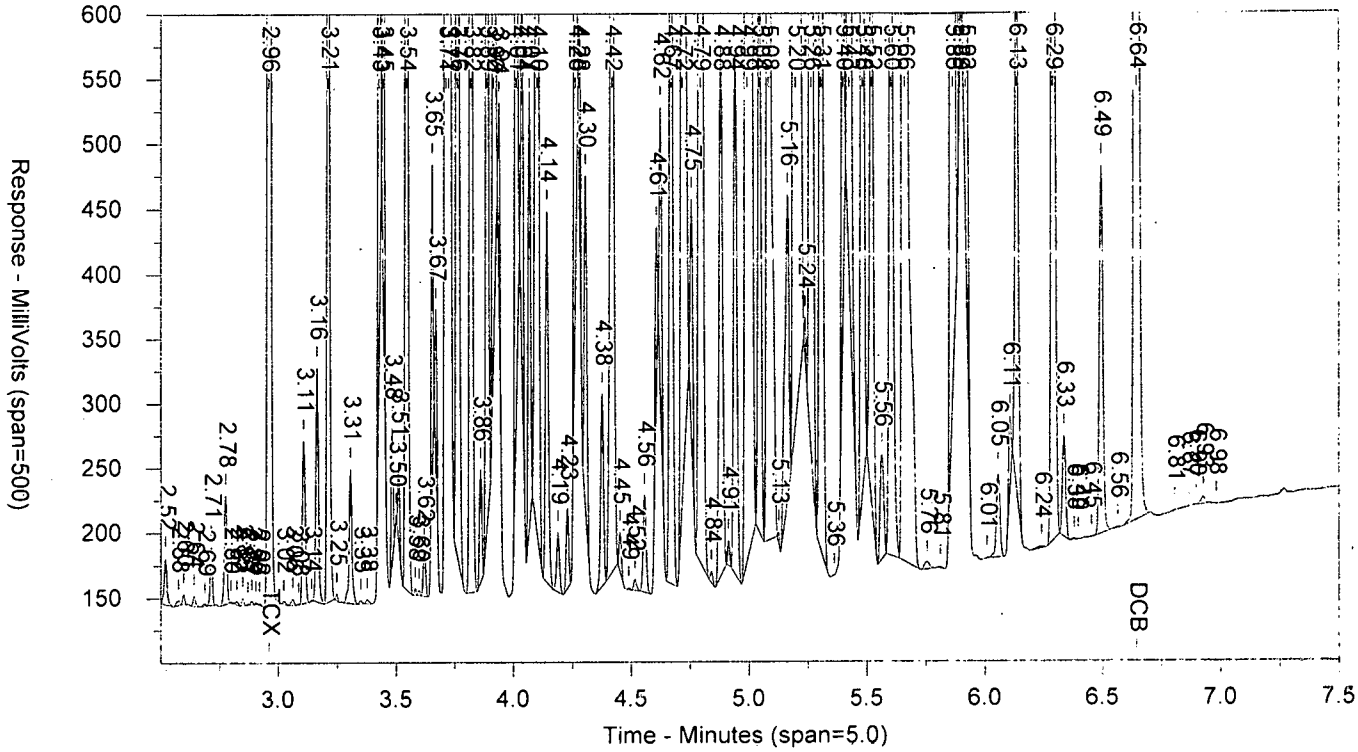

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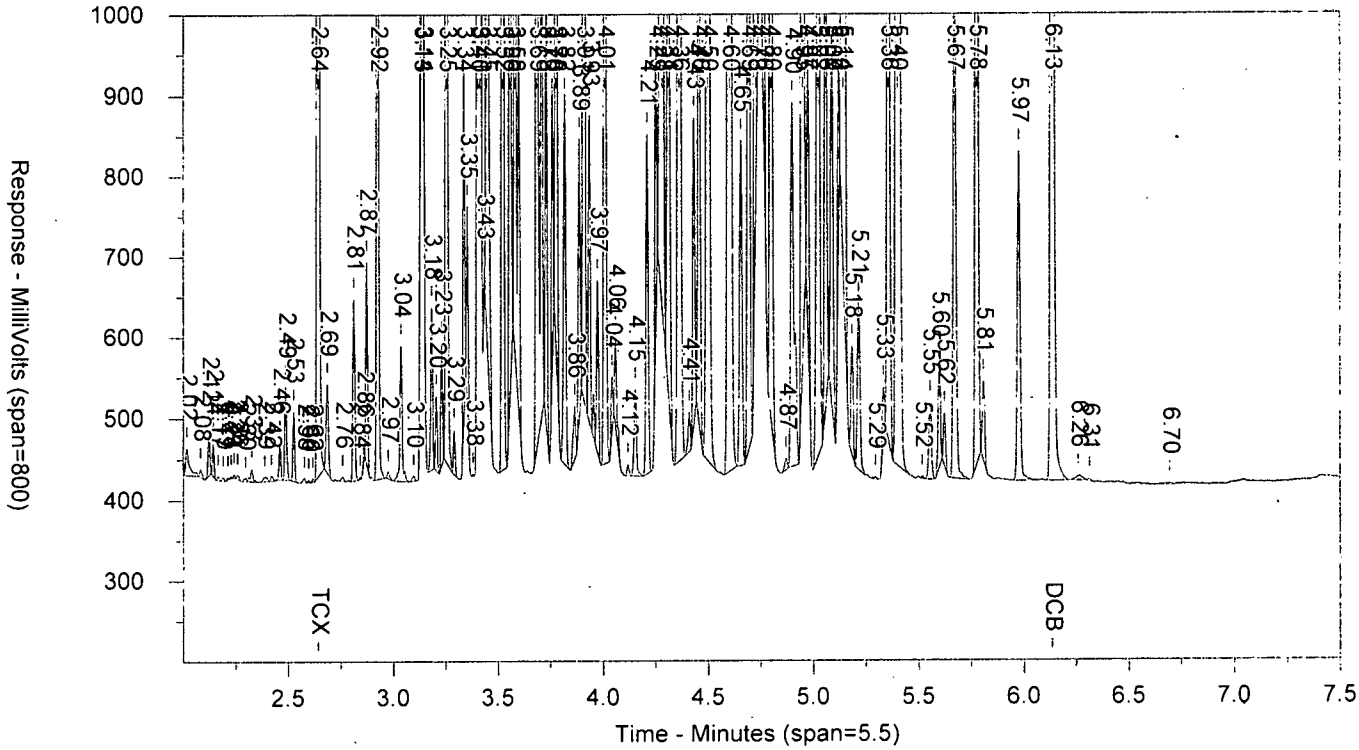

Extraction/Distillation/Digestion Logs

Polychlorinated Biphenyls (PCBs)

Organic Extraction Batchlog Assigned to: 504 Sally Appleyard Reviewed by: Kat Gobs Start Date: 9/13/17 Start time: 17:55

172560011A

Tech 1: SAT 504 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
9202635MS	-115W	10.33	SS1723424A	1.0	MS1725024C	1.0	10	Z	Z	314A	
9202636MSD	-115W	10.06	SS1723424A		MS1725024C	1.0	10	Z	Z	314A	
BLANKA	PBLK11256	10.0	SS1723424A				10	Z	Z		
LCSA	LCS11256	10.0	SS1723424A		MS1725024C	1.0	10	Z	Z		

Solvent Used	Lot No.
1:1 MeCl2/Acetone	183082
Filter Paper	923863
Hexane	174465
Sodium Sulfate	172541

Spike Solutions: Witness: NA

MS1725024C PCB SPIKE

SS1723424A SW846 SURROGATE STANDARI

	Sample #	Sample Code	Amt (G)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
1	9202620	T199E	10.33	SS1723424A	1.0	10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	09/21/2017	N
2	9202621	-100W	10.21	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Grey;Brown	10225	1869	09/21/2017	N
3	9202622	-100E	10.26	SS1723424A	1.0	10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	09/21/2017	N
4	~~9202623~~	~~101W~~		~~SS1723424A~~			~~Z~~	~~Z~~	034a	onhold WCRA 9-13-17	10225	1869	09/21/2017	N
5	~~9202624~~	~~-101E~~		~~SS1723424A~~			~~Z~~	~~Z~~	034a		10225	1869	09/21/2017	N
6	9202625	-102W	10.30	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	09/21/2017	N
7	9202626	-102E	10.06	SS1723424A	1.0	10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	09/21/2017	N
8	9202627	-103W	10.13	SS1723424A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	09/21/2017	N
9	9202628	-103E	10.32	SS1723424A		10	Z	Z	314A	Soil;Gritty;Sandy;Rocks;Brown	10225	1869	09/21/2017	N
10	9202629	-104W	10.20	SS1723424A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Grey	10225	1869	09/21/2017	N
11	9202630	-104E	10.15	SS1723424A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Brown	10225	1869	09/21/2017	N
12	9202631	-113E	10.35	SS1723424A		10	Z	Z	314A	Soil;Rocks;Brown	10225	1869	09/21/2017	N
13	9202632	DUP12	10.30	SS1723424A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	09/21/2017	N
14	9202633	-114E	10.07	SS1723424A		10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	09/21/2017	N
15	9202634BKG	-115W	10.27	SS1723424A		10	Z	Z	314A	Soil;Sandy;Brown	10225	1869	09/21/2017	N
16	9202637	DUP13	10.27	SS1723424A		10	Z	Z	314A	Soil;Sandy;Rocks;Black;Brown	10225	1869	09/21/2017	N
17	9202639	-105W	10.16	SS1723424A		10	Z	Z	314A	Soil;Gritty;Rocks;Brown	10225	1869	09/21/2017	N
18	9202640	-105E	10.20	SS1723424A		10	Z	Z	314A	Soil;Sandy;Rocks;Brown	10225	1869	09/21/2017	N
19	9202641	-106W	10.40	SS1723424A		10	Z	Z	314a	Soil;Sandy;Rocks;Brown	10225	1869	09/21/2017	N

ATC65 Page 700 of 715

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Sonc	Micro Temp 100?
Internal Standard		Balance #	—	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C			
S-bath ID	1 93 C	S-bath ID	C	N-Evap	C	M-vap	C	172560011A

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Sample #	Sample Code	Amt	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio
2019202642	-106E	10.15	SS1723424A	1.0	10	Z	Z	314a	Soil;Sandy;Rocks;Brown	10225	1869	09/21/2017	N

SZA 9/13/17

Bench#	Bench#	Bench#		
Rack ID:		Work Station	Sen	Micro Temp 100?
Internal Standard		Balance #	—	

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C		
S-bath ID	97 C	S-bath ID	C	N-Evap	C	M-vap	C

172560011A

DF = Dilution Factor FV = Final Volume

Page 2 of 2

Documented temps are NIST corrected.

Prep-Process Worksheet

Acid Cleanup

Prep: 14248 PCB 10g Sonication Ext

Batch No: 172560011A

Verified: KBT
Start Date: 9/13/17
Start Time: 1115
Tech 1: SLA
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9202635MS		10.0	10.0			
9202636MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9202620		10.0	10.0				10225
2	9202621							10225
3	9202622							10225
4	9202623							10225
5	9202624							10225
6	9202625							10225
7	9202626							10225
8	9202627							10225
9	9202628							10225
10	9202629							10225
11	9202630							10225
12	9202631							10225
13	9202632							10225
14	9202633							10225
15	9202634							10225
16	9202637							10225
17	9202639							10225
18	9202640							10225
19	9202641							10225
20	9202642							10225

SLA 9/13/17 N/A

DF = Dilution Factor FV = Final Volume

Additional Comment:

Solvent Used	Lot No.	Solvent Used	Lot No.
		H2SO4	174051

Prep-Process Worksheet

Copper/Florisil
Prep: 14248 PCB 10g Sonication Ext
Batch No: 172560011A

Verified: KMT 9/06/17
Start Date: 9/13/17
Start Time: 1155
Tech 1: SLA
Tech 2:

Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments
9202635MS		2.0	2.0			
9202636MSD						
BLANKA						
LCSA						

	Sample #	QC	Aliquot (g)	Final Volume (mL)	D.F. Aliq	D.F. F.V.	Comments	Analyses
1	9202620		2.0	2.0				10225
2	9202621							10225
3	9202622							10225
4	9202623							10225
5	9202624							10225
6	9202625							10225
7	9202626							10225
8	9202627							10225
9	9202628							10225
10	9202629							10225
11	9202630							10225
12	9202631							10225
13	9202632							10225
14	9202633							10225
15	9202634							10225
16	9202637							10225
17	9202639							10225
18	9202640							10225
19	9202641							10225
20	9202642							10225

SLA 9/13/17

Additional Comment: _____

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
		Florisil	4140116
		Copper	470600B

Moisture Data

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CLIENT: Stantec
SDG: ATG65

MOISTURE

SAMPLE NUMBERS:

Sample #	Sample Code
9202620	T199E
9202621	-100W
9202622	-100E
9202625	-102W
9202626	-102E
9202627	-103W
9202628	-103E
9202629	-104W
9202630	-104E
9202631	-113E
9202632	DUP12FD
9202633	-114E
9202634	-115WBKG
9202635	-115WMS
9202636	-115WMSD
9202637	DUP13FD

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: 17256820007B	Sample number(s): 9202620-9202622, 9202625-9202637				
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: 17256820007B	Sample number(s): 9202620-9202622, 9202625-9202637			
Moisture	11.3	12.1	7*	5
Moisture	11.3	12.1	7*	5
Moisture Duplicate	11.3	12.1	7*	5

* - Outside of specification

(1) - The result for one or both determinations was less than five times the LOQ.

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CLIENT: **Stantec**
SDG: ATG65

MOISTURE

Moisture Data Report

Batch #: **17256820007**

Sample ID	Batch ID	Analysis#	Tare Wt	Sample Wt	Dry Wt	%Moisture	Analysis Date (Emp#)	Verified Date (Emp#)
9202620	B	00111	1.1601	5.5317	6.2754	7.53	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202621	B	00111	1.1607	5.4319	6.3749	4.01	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202622	B	00111	1.1616	5.5859	6.2291	9.28	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202625	B	00111	1.1582	5.5813	6.3796	6.45	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202626	B	00111	1.1560	5.5193	6.2780	7.20	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202627	B	00111	1.1699	5.3054	6.1291	6.53	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202628	B	00111	1.1767	5.1359	6.1289	3.58	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202629	B	00111	1.1629	5.2134	5.9466	8.24	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202630	B	00111	1.1803	5.4184	5.9969	11.11	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202631	B	00111	1.1709	5.6864	6.5435	5.52	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202632FD	B	00111	1.1821	5.4393	5.8359	14.44	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202633	B	00111	1.1674	5.4634	5.8441	14.40	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202634BKG	B	00111	1.1265	5.7740	6.2501	11.26	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202635MS	B	00118				11.26	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202636MSD	B	00118				11.26	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202636MSD	B	00121	1.1459	5.6355	6.1022	12.05	9/13/17 (835/LEB)	9/14/17 (236/CW)
9202637FD	B	00111	1.1614	5.5696	6.1844	9.81	9/13/17 (835/LEB)	9/14/17 (236/CW)
LCS 89.5% Std.		00111	1.1554	5.0226	1.6888	89.38	9/13/17 (835/LEB)	9/14/17 (236/CW)